



Final Report
October 1994

A Study to Develop Projected Activity for "Non-Road Mobile" Categories in California, 1970-2020

ARB Contract No. 92-732

Prepared for
California Air Resources Board
California Environmental Protection Agency

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 **Air Resources Board**
Technical Support Division

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Prepared for:
California Environmental Protection Agency
California Air Resources Board
Technical Support Division

Submitted by:
Institute for Economic & Environmental Studies
California State University, Fullerton

Prepared by:
Anil K. Puri, Ph.D.
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October, 1994

DISCLAIMER

The statements and conclusions in this report are those of the contractor and not necessarily those of the California Air Resources Board. The mention of commercial products, their source, or their use in connection with material reported herein is not to be construed as actual or implied endorsement of such products.

ACKNOWLEDGEMENT

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ABSTRACT

The California Air Resources Board (ARB) maintains models to track and forecast emission trends for the State. The models are also used by Air Quality Management Districts (AQMDs) and Air Pollution Control Districts (APCDs) to demonstrate that their air quality management plans will achieve required pollution reductions. Emission forecasts, in turn, are based upon measures of past and projected economic activity across the State and at the county levels. The accuracy of emission forecasts and control measure effectiveness thus depends critically on estimates of the underlying economic activity.

This report presents estimates and projections for 21 categories of non-road mobile sources of pollution in California and its 58 counties. The historical estimates are for the period 1970-1992 and projections for 1993-2020. The categories include: farm equipment, aircraft, locomotives, ships, commercial and recreational boats, lawn and garden equipment, off-highway recreational motor vehicles, and non-farm equipment.

The estimates and projections are summarized in 21 graphs and 21 tables for the State and 58 counties.

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A STUDY TO DEVELOP PROJECTED ACTIVITY FOR "NON-ROAD MOBILE" CATEGORIES IN CALIFORNIA, 1970-2020

1.0 INTRODUCTION

The California Air Resources Board (ARB) maintains models to track and forecast emission trends for the State. The models are also used by Air Quality Management Districts (AQMDs) and Air Pollution Control Districts (APCDs) to demonstrate that their air quality management plans will achieve required pollution reductions. Emission forecasts, in turn, are based upon measures of past and projected economic activity across the State and at the county levels. The accuracy of emission forecasts and control measure effectiveness thus depends critically on estimates of the underlying economic activity.

This report presents estimates and projections of activity for non-road mobile sources of pollution in California and its 58 counties. The historical estimates are for the period 1970-1992 and projections for 1993-2020. The list of non-road mobile sources for which activity measures are developed was provided by the ARB. This project involved collecting, and when necessary, estimating the historical trends and producing projections for the specified non-road mobile sources.

1.1 PREVIOUS STUDIES

Several studies supplied by ARB staff were reviewed to determine the availability of data for the present study:

Booz, Allen, and Hamilton (1991). "Inventory of Air Pollutant Emissions from Marine Vessels".

Booz, Allen, and Hamilton (1992). "Locomotive Emissions Inventory: Locomotive Emissions by County". Draft Report

Booz, Allen, and Hamilton (1992). "Off-road Mobile Equipment Emission Inventory Estimate". Draft Report

California Air Resources Board (1990). "Regulations Regarding the California Exhaust Emission Standards and Test Procedures for 1994 and Subsequent Model Utility and Lawn and Garden Equipment Engines".

DRI/McGraw-Hill, Inc. (1994). "A Study to Develop Statewide and County-level Economic Projections". Selected data from draft only.

Energy and Environmental Analysis (1992). "Briefing on Development of a Non-Road Equipment Emissions Model".

Energy and Environmental Analysis (1993). "Briefing on Development of a Non-Road Equipment Emissions Model".

KVB, Inc., Research and Analyses Division (1980). Inventory of Emissions from Non-Automotive Vehicular Sources: Final Report.

Sierra Research (1993). "SJVAQS/AUSPEX Agricultural Emissions Inventory". Draft Report.

In general, the studies provided data for a single year, thus could not be used directly for the development of a time-series. Nevertheless, they provided useful background information, and occasionally reported data sources that could be used. The DRI/McGraw-Hill study was relied upon for relevant data for shipping, locomotive, and non-farm equipment categories.

1.2 METHODOLOGY

Given the detailed nature of the activity categories and the necessity to develop long-term historical series, gathering of data and validation of information required a major effort. In all cases every attempt was made to collect official and reliable data.

In general, government economic data are organized according to the system of Standard Industrial Classification (SIC) codes. When one or more SIC codes corresponded to an ARB category, official SIC data were used to develop historical estimates and projections. This was the case for ships, locomotives, and non-farm equipment. Other categories, such as recreational boating, commercial boating, lawn and garden activity, and off-highway vehicle activity do not correspond directly to an SIC or group of SICs.

Complete documentation is provided in the report for all sources used. Wherever any estimation was necessary to fill gaps in the historical data, generally reliable and commonly used statistical procedures were employed. Projections of economic activity for all categories were carried out using statistical and economic techniques. These included techniques of multiple regression analysis, moving averages (MA), autoregression (AR), and autoregressive integrative moving averages (ARIMA). An individually appropriate approach was developed and used for each activity. Projections made by official and other dependable sources, when available, were also acquired to verify and substantiate the projections reported here. It must be emphasized that these projections represent long-term trends and may not accurately capture year-to-year fluctuations (changes) in activity.

Two typical assignment methods for developing state and county estimates are the top-down and bottom-up approaches. Because of the desired long time frame, consistency across a large number of geographic areas (58 counties), and unavailability of detailed long-term data, the top-down approach was most commonly used. In this case, an annual activity measure for a given category was estimated at the state level based upon existing data, then distributed across counties on the basis of related data for which a county breakdown was available. The bottom-up approach is usually carried out for cross-section studies for one period or short-term analysis when detailed data are available by county. This approach was used successfully with aviation (civil and military), for which extensive data and forecasts were available by airport, which could then be assigned to the individual counties.

To provide an assessment of the trends in activities and their variability, each activity is graphed for the State. The figures also shows a one standard deviation confidence interval as a measure of the statistical validity of the projections. Appropriate account was taken of the special features of different counties. For example, there is obviously no shipping activity in inland counties and boating activities are limited in counties with limited surface water sources. Variability in the data for each county is analyzed in the report sections for each activity.

1.3 MACROECONOMIC ASSUMPTIONS

The projections are based upon assumptions regarding the long-run state of the economy, demographic features, and significant socioeconomic features of the State. No effort is made to account for possible cyclical short-term changes since this project deals with projections of long-run activities and produces annual data. Major economic variables used as drivers are U.S. and California population, total real personal income, real income per capita, real gross domestic product (GDP), employment, construction activity, and price indices, notably the producer price index for refined petroleum products.

Macroeconomic data for the U.S. and California were obtained from Federal and State government agencies and national consulting firms such as the WEFA Group. The Center for Continuing Study of California Economy provided consistent projection series for a number of key macroeconomic variables. The following figures show growth paths (in annual rates of change) of selected macroeconomic indicators which represent general assumptions about economic activity over the study period.

**Figure 1.3.1 - Macro Assumptions - California
Percentage Changes**

5

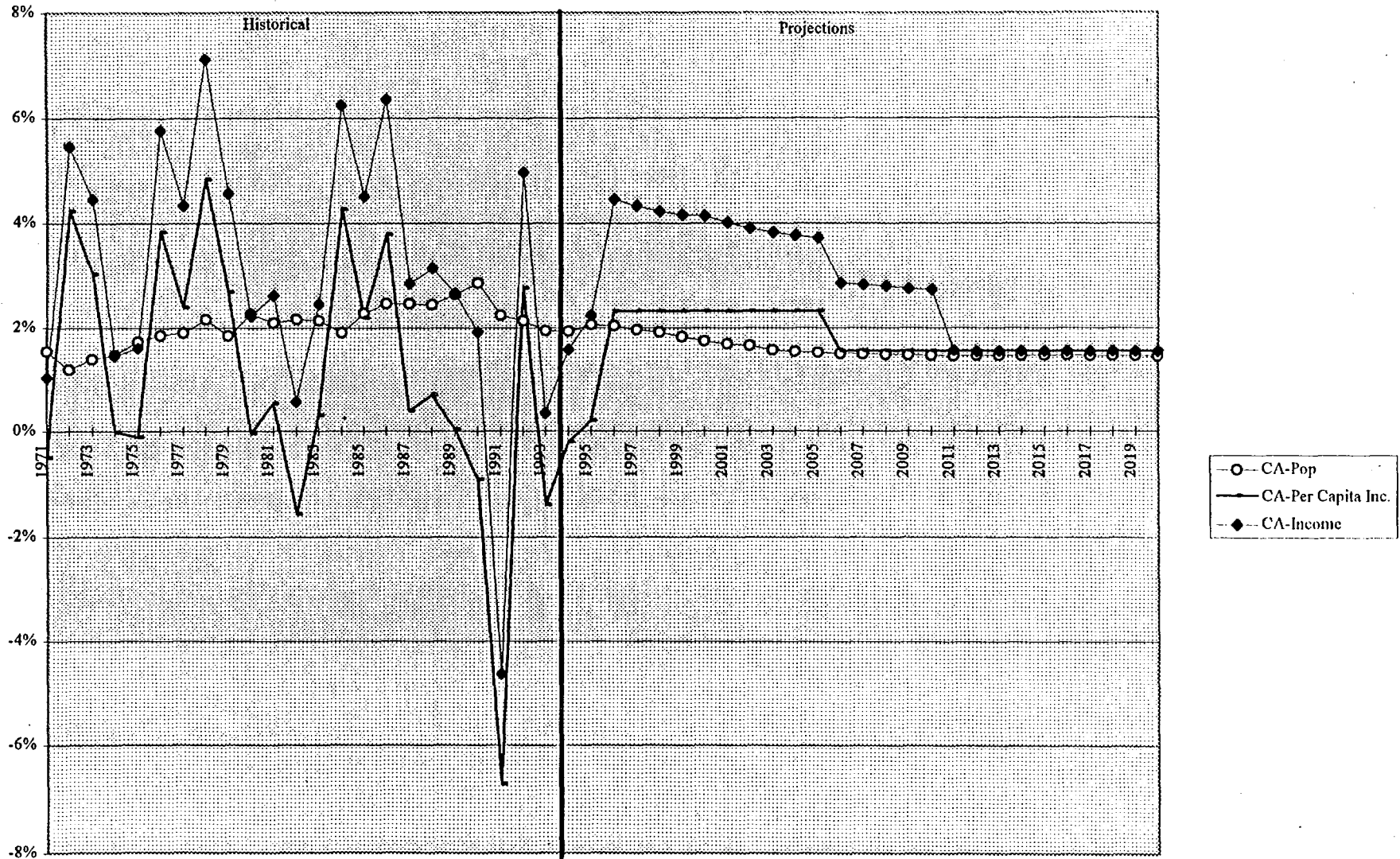


Figure 1.3.2 - Macro Assumptions - United States
Percentage Changes

9

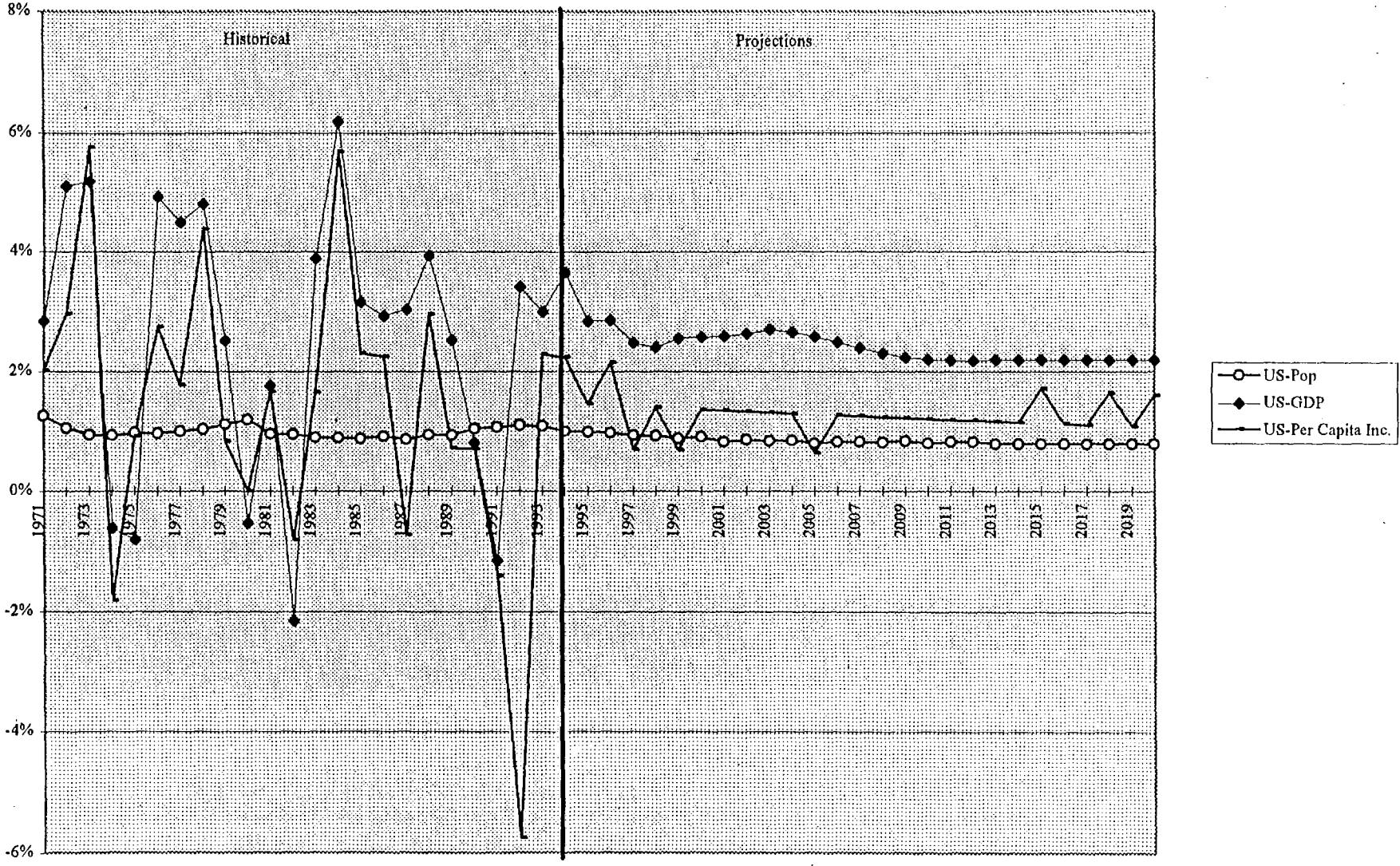
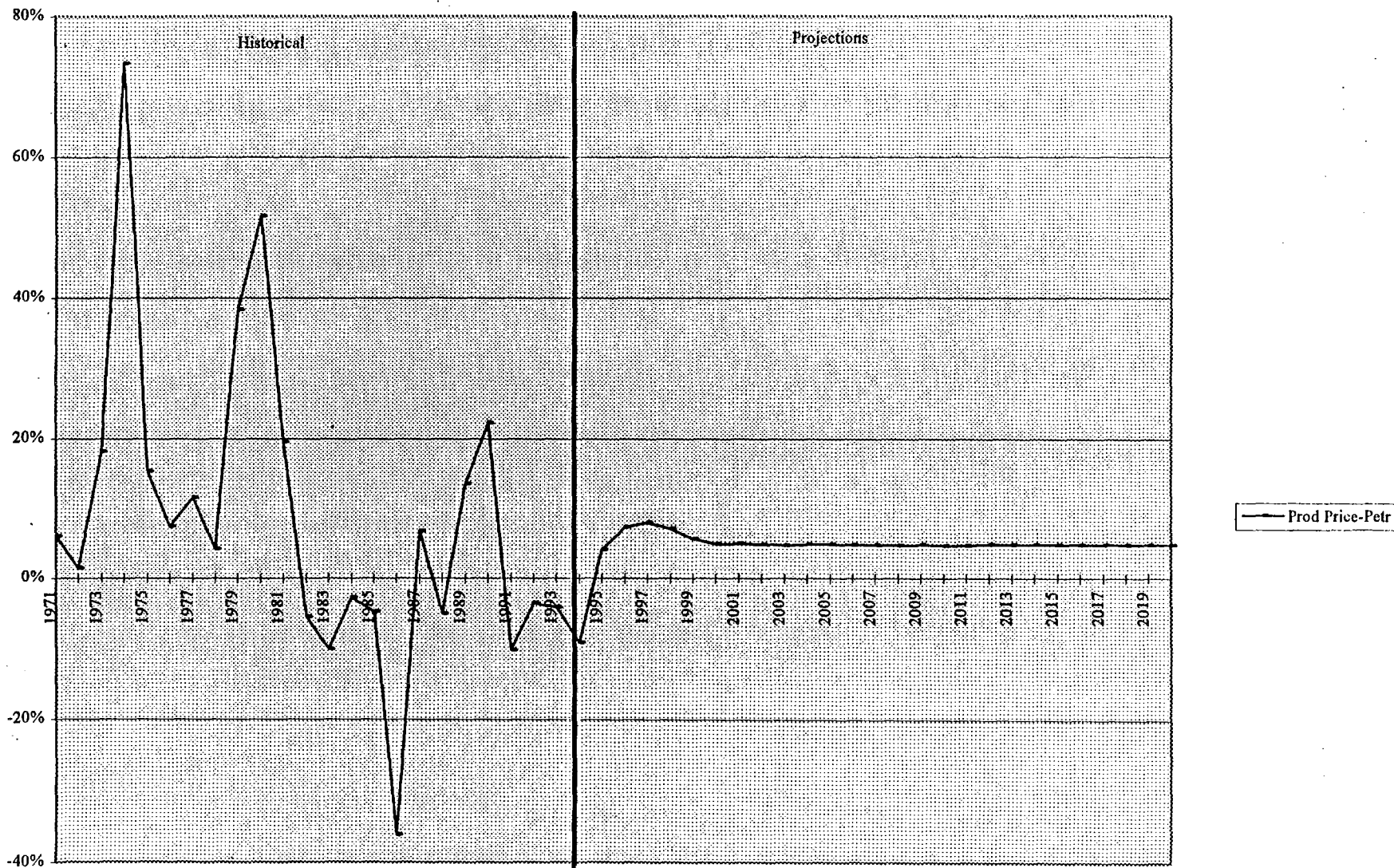


Figure 1.3.3 - Macro Assumptions - Producer Price Index for Petroleum Products
Percentage Change



7

The non-road mobile categories in this study are listed in the following table.

Non-Road Mobile Sources of Air Pollution

Farm Equipment, Gasoline
Farm Equipment, Diesel
Civil Aircraft, Jet
Civil Aircraft, Piston
Civil Aircraft, Turboprop
Military Aircraft, Jet
Military Aircraft, Piston
Military Aircraft, Turboprop
Recreational Boats, Diesel
Recreational Boats, Gasoline
Commercial Boats, Diesel
Commercial Boats, Gasoline
Commercial Boats, Off Shore Oil Supply
Recreational Vehicles - Motorcycle/ATV
Recreational Vehicles - Four Wheel Drive
Lawn and Garden Equipment, Commercial
Lawn and Garden Equipment, Residential
Non-Farm Equipment, Gasoline
Non-Farm Equipment, Diesel
Ships
Locomotives

Each of the categories is discussed in the following section. Data sources and issues are described for each category, as are the estimation and forecasting techniques that were used to develop statewide and county-level time-series from 1970 to 2020. The projections for each category are also summarized and discussed. The report contains time-series graphs of each category at the State level. Detailed tables showing the series for the State and each county are provided in the appendix. The tables are also being provided in electronic format on a disk.

Overall summaries, conclusions, and recommendations appear at the end of the report.

2.0 ESTIMATION AND PROJECTIONS BY CATEGORY

2.1 FARM EQUIPMENT

Data

Activity in the farm equipment category can be estimated by a number of variables. Such variables include sales of farm equipment, inventory of equipment on the farm, farm output, agricultural land, and fuel used on the farm. Data from the U.S. Bureau of Economic Analysis (BEA) and the United States Department of Agriculture (USDA) were collected on farm production, farm income and expenses, and fuel expenditures for the State and California counties. The Census of Agriculture provided data on the inventory of farm equipment and value by county. Indexes of input usage, prices for agricultural inputs and data on imports and exports of agricultural product were gathered from Statistical Abstract of the United States. California Department of Food and Agriculture sources provided data on farm production, income, expenses, and output by commodities for California counties.

A sufficient number of observations are needed to fit a statistical model and generate projections for the fifty year period 1970-2020. An analysis of all the available data indicated that a number of otherwise theoretically sound variables had no or incomplete series available at the level of detail needed for this category. Data for most variables were published either for a very short time period or were not disaggregated to the county level. Further, when only state data were reported no reliable bases were available to determine county shares from State totals.

The best available measure of farm equipment usage was fuel consumption, measured in real (constant) dollar annual expenditures. Unlike the other variables, the series for this variable was available for both the historical time period and at the desired level of geographic detail.

Estimation and Results

The amount of fuel used on the farm is influenced by a number of variables. It is possible, theoretically, to construct a sophisticated model of farm fuel use to estimate and

forecast such usage. To do this, however, one would need historical data and projections for independent (exogenous or driving) variables to the year 2020. Given the data limitations described above, an appropriate estimation model was constructed to accomplish the goals. (This general strategy was applied throughout this project for each of the categories reported here. This discussion will not be repeated).

Given the multitude of factors affecting farm equipment activity (real fuel consumption), regression analysis was considered to be the most appropriate technique. A multiple regression model was developed to estimate and project the activity. Independent variables used included agricultural output, energy costs, and a one-period lagged dependent variable. Other statistical techniques including ARIMA and moving average models were also tested to assure the best projections. The final estimated equation for the State was:

$$\begin{aligned}
 \text{FUEL} = & 0.630 + 0.103 \text{ FUEL}(-1) - 0.50 \text{ FUEL}(-2) \\
 & (5.89) \quad (5.13) \quad (3.19) \\
 & + 0.002 \text{ PFUEL} + 0.471 \text{ DUMMY} \\
 & (3.00) \quad (4.13) \\
 \\
 \text{R-sq} = & .95 \quad \text{Adjusted R-sq} = .93 \quad \text{F} = 53.2
 \end{aligned}$$

where FUEL is the real fuel expenditures by California farms in 1977 dollars (FUEL(-1) and FUEL(-2) are one and two period lagged values), PFUEL is producer price index for fuel, and DUMMY is the dummy variable to account for unusual events of the Arab oil embargo of the early 1970s. Total farm output variable turned out to have very low explanatory power and was dropped from the final equation. Since the estimated equation showed considerable serial autocorrelation, a correction for that was imbedded in the final estimation.

This equation was also used to generate projections to the year 2020. Allocation to counties was made on the basis of historical county farm output shares.

Gasoline-Diesel Breakdown

A number of studies including those by Booz, Allen, and Hamilton and by Sierra Research provide partial information on the split between gasoline and diesel farm equipment. These studies, however, point out the difficulty in estimating this breakdown accurately and point to wide variations in the 1987 and 1991 estimates carried out for the ARB. National data on the gasoline/diesel breakdown, though imperfect and incomplete, are the alternative basis for such a breakdown among the two fuels. Data from the USDA Agriculture Statistics (various years) were available as a complete time-series. A discussion of the decline in gasoline usage in agriculture was found in the USDA's Agriculture Outlook (December 1992).

Based on the USDA data a trend series for relative use of gasoline versus diesel use was constructed as shown on the following page. This was applied to the total farm fuel usage to generate gasoline and diesel use.

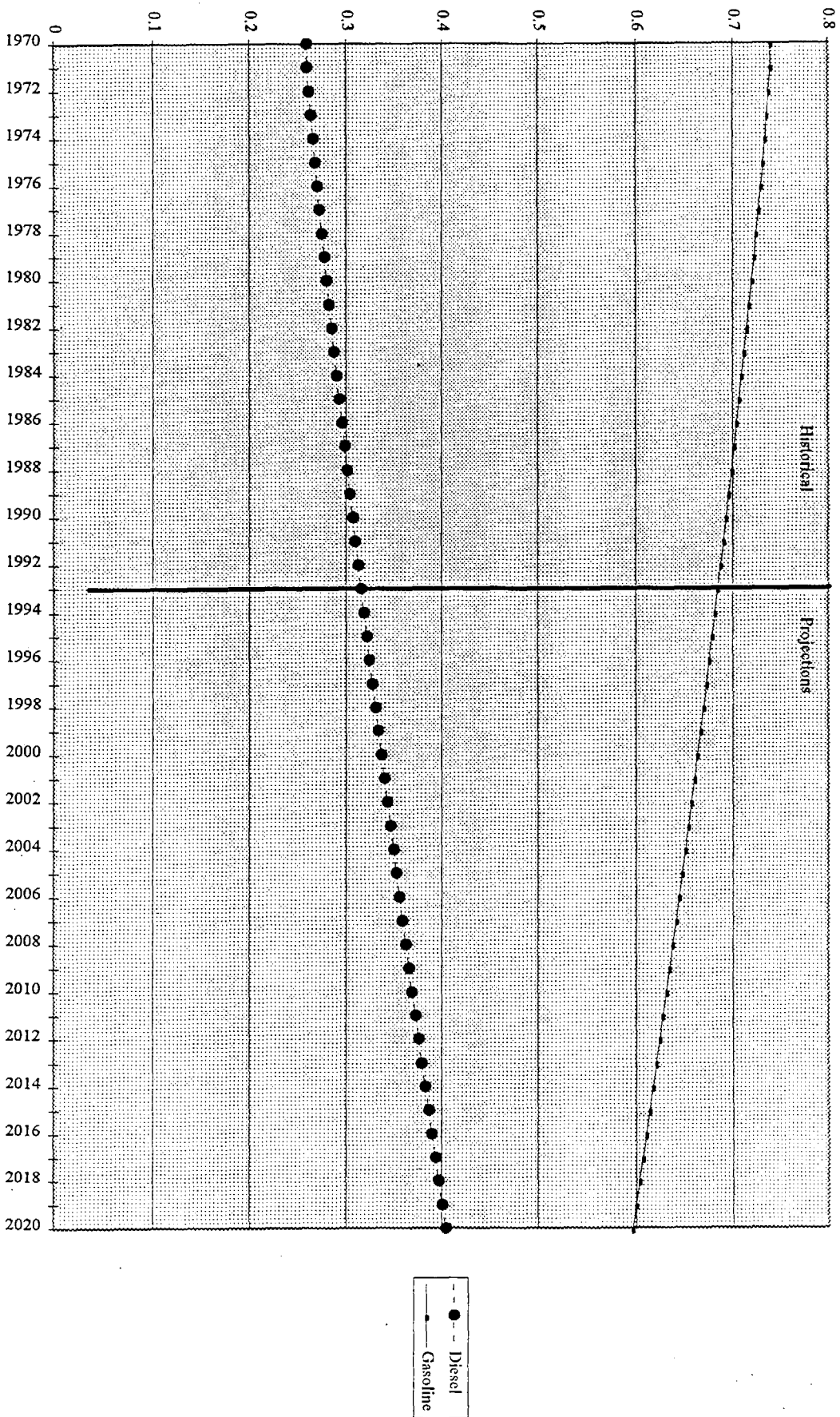


Figure 2.1.1 - Gasoline versus Diesel Use on the Farm

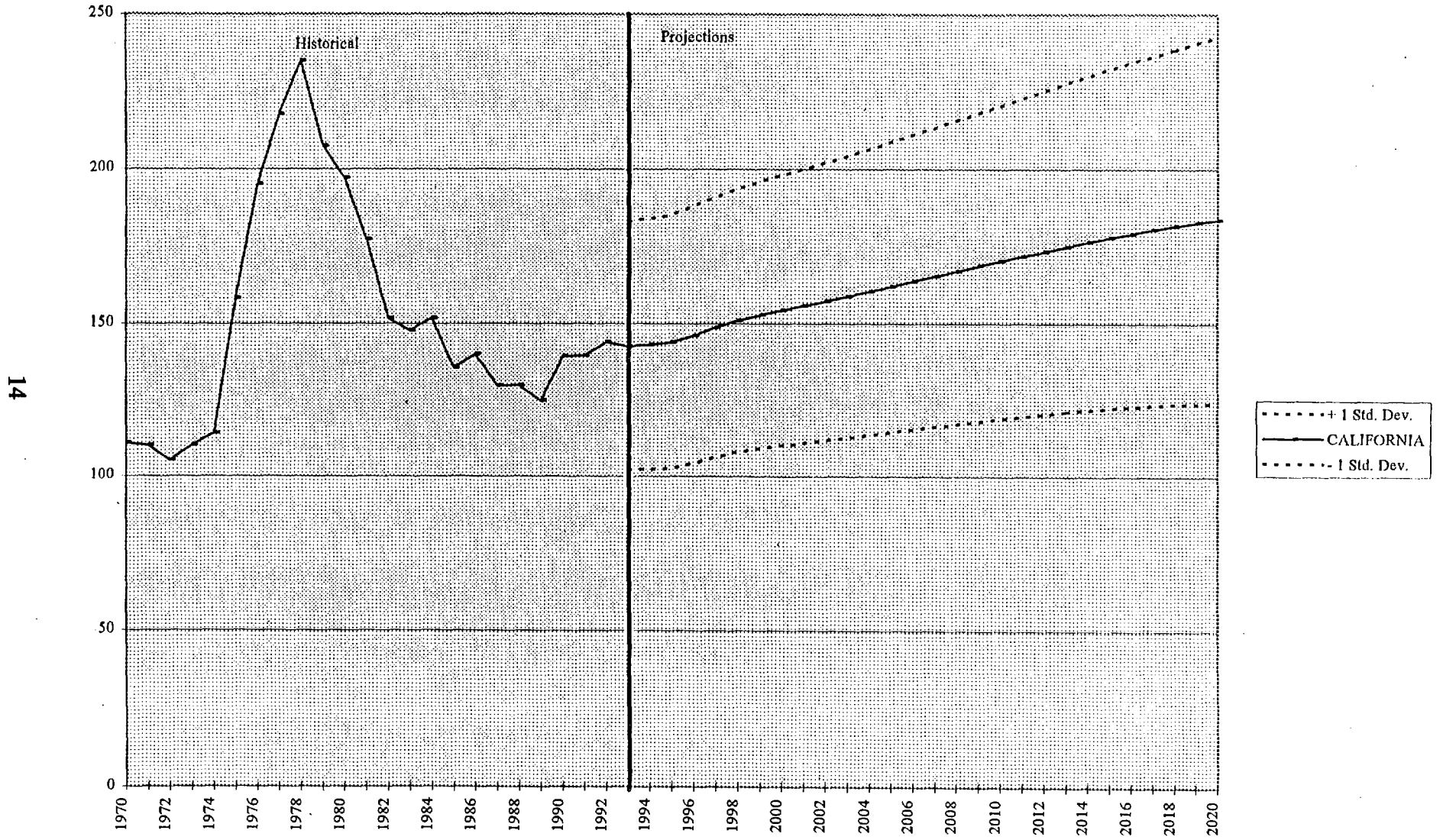
Discussion

Farm fuel use by gasoline and diesel categories is reported in Figures 2.1.2 and 2.1.3 and Tables 1 and 2. Like other types of equipment, farm equipment is constantly evolving due to technological and economic factors. This affects the fuel use. This trend is, however, built into the historical data and is assumed to continue in the future. Similar considerations apply to gasoline versus diesel use where diesel use has been increasing. In the absence of any special knowledge of the future technological or economic factors, it was considered prudent to rely on historical trends only. The projected trends are also generally consistent with forecasts of U.S. farm output.

The five largest counties are Fresno, Kern, Tulare, Monterey, and San Joaquin and the five smallest with no or almost no agricultural activity are San Francisco, Alpine, Sierra, Trinity, and Nevada. The county activity patterns are very similar to the overall State trends.

For interpretation of bands, see technical discussion in the appendix.

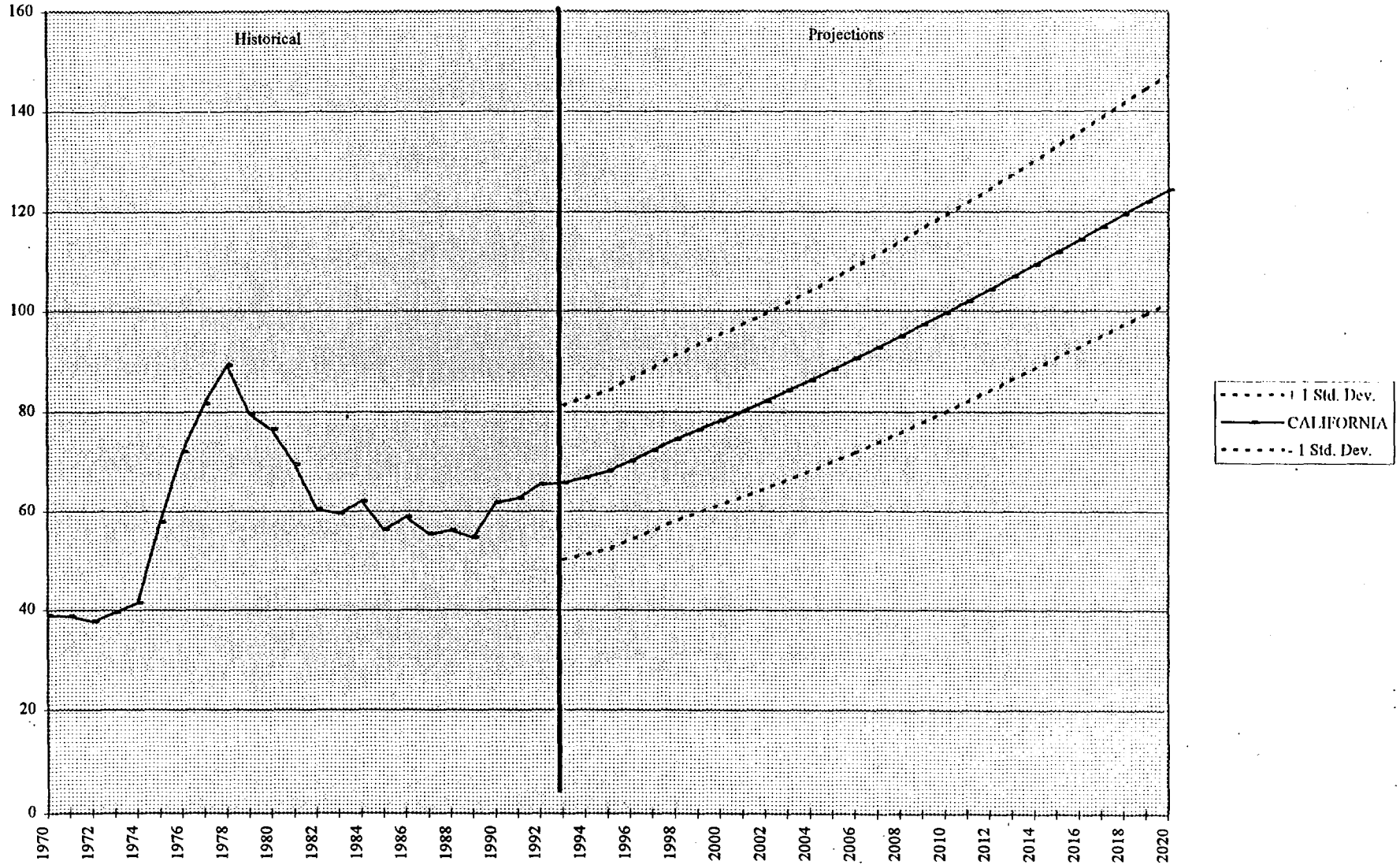
Figure 2.1.2 - Farm Equipment, Gasoline (Millions in 1977\$)



For interpretation of bands, see technical discussion in the appendix.

Figure 2.1.3 - Farm Equipment, Diesel (Millions in 1977\$)

15



2.2 CIVIL AIRCRAFT

Data

The civil aircraft category is divided into three subcategories for the ARB: jet, piston, and turboprop. A great deal of information is available on civil aviation because of its past and current regulatory environment. Two public agencies maintain extensive data series on aviation: The California Department of Transportation Division of Aeronautics and the U.S. Department of Transportation Federal Aviation Administration (FAA), civil aviation's main regulatory agency.

Publications from both agencies were reviewed and compared for content. In addition, officials at each agency were consulted to discuss alternative measures of aviation activity as well as their availability in a time-series at the county level. To a large extent, both rely on the same primary data sources.

The Division of Aeronautics publication, The California Aviation System Plan Inventory, contains data on facilities, annual flight operations, and the number of based aircraft by airport. However, the report is published infrequently (1978, 1987, and 1992) and does not cover the entire historical time period.

The FAA databases were ultimately chosen because they provided activity measures in both the geographic detail and the time frame that were required for the analysis. A number of FAA publications report activity measures such as passenger enplanements, revenue miles, flight operations, fleet composition, and type of aircraft (commercial carrier, general aviation, air taxi). In particular, the FAA's Terminal Area Forecasts provide historical data for the entire period from 1970 through 1992, and publish forecasts by airport to the year 2005.

Data are commonly reported separately for commercial carriers, general aviation, and air taxi. *Commercial carriers* refer to major, national, and regional airlines that offer scheduled service. *General aviation* refers to a wide range of small aircraft including amateur built single engine planes, aircraft for agricultural uses, and multi-engine

corporate jet aircraft. *Air taxi* refers to small aircraft that are available for hire on specific trips. In general, the geographic details and time-series are better for commercial carrier activity than the other types of activity.

There are significant differences between the commercial fleet, which consists largely of jets, and the general aviation and air taxi fleets, which have more piston and turboprop aircraft. Because a separate series was to be constructed for each of jet, piston, and turboprop categories aggregated across commercial, general aviation, and air taxi aircraft types, a common unit of measurement was needed. Given these considerations and the need to develop a series for individual counties, the best available measure was determined to be *flight operations*, which refer to takeoffs and landings.

Flight operations data were available from the FAA for various subsets of airports and for various types of aircraft. The most complete data exist for towered airports, of which there were about 50 during the period 1970-1992. Tower statistics were obtained directly from the FAA for California and its towered airports from 1979 to 1992. To complete the series back to 1970, earlier volumes of Terminal Area Forecasts were used. Forecasts for 1993 to 2005 were obtained from Terminal Area Forecasts, 1993-2005, also from the FAA.

The Terminal Area Forecasts provide data for both towered and non-towered airports. After comparing activity levels for towered airports with the overall levels of activity, it was determined that towered airports account for over 99% of all flight activity in the State.

Data on the flight operations by type of aircraft (jet, piston, turboprop) for major and regional commercial aviation activity were obtained for each airport for each year from 1970 to 1991 from the annual FAA publication Certificated Route Carrier Statistics. Information on the composition of the general aviation and air taxi fleets was available from two sources. The Census of U.S. Civil Aircraft reports the inventory of aircraft by type of aircraft for each county, but does not report on usage by type of aircraft. The

FAA Aviation Forecasts (various years) report hours flown by type of general aviation aircraft, but only at the national level. The latter was chosen to describe the composition of general aviation and air taxi activity by subcategory because 1) it measured usage, not merely population; and 2) it provided forecasts through the year 2004.

Estimation and Results

A bottom-up approach to activity estimation involved 3 steps. First, a separate series was developed by aviation activity (commercial, air taxi, and general aviation) for each towered airport from 1970 to 1992. Forecasts for each airport for the period from 1993 to 2005 were obtained from Terminal Area Forecasts, FY1993-2005. The forecasting branch of the FAA was contacted to discuss plausible growth rates beyond the year 2005, after which trend analysis was used to extend the series at the state level forward to the year 2020. These statewide projections were then distributed across the counties on the basis of each airport's share of statewide activity.

Second, numbers of jet, piston, and turboprop flight operations were determined separately for each aviation activity. For commercial air carriers, the FAA reports annual flights by aircraft model (DC 10, Boeing 727, etc.) in Certificated Route Carrier Statistics. Each aircraft model was identified as a jet, piston, or turboprop aircraft. Then the number of jet, piston, and turboprop flights was tabulated for each airport, and converted to shares of total flights. Finally, the shares were used to split total commercial flight operations for each airport for each year into separate jet, piston, and turboprop components.

For general aviation and air taxi service, the overall measures of activity were distributed across the jet, piston, and turboprop subcategories based upon national estimates of hours flown in each type of aircraft. For each year, hours flown in jet, piston, and turboprop aircraft were determined as shares of total hours flown. Upon multiplying the overall measure by this share, the result is estimated activity by subcategory. Both fixed wing activity and helicopter activity were accounted for in this measure.

Third, data by airport were aggregated for each county, and operations by type of aircraft (jet, piston, turboprop) were summed across aircraft activity (commercial, air taxi, general aviation) to obtain separate measures of jet, piston, and turboprop activity for each county. County totals were added to obtain the total for the State.

Discussion

The results for civil aircraft appear in Figures 2.2.1, 2.2.2, and 2.2.3 and in Tables 3, 4, and 5. Civil aviation is generally regarded as a cyclical activity in the short-run that moves with the business cycle, but the trend for this category is established by long-term economic growth. For California, this trend is primarily the result of State and national population growth and the increase in domestic and international trade, all of which show a trend increase over the forecast time period.

Civil aviation at the county level is generally driven by local population growth and the overall level of economic activity. California's population growth has historically been greater in urban areas than in rural areas. This is expected to continue throughout the forecast period. Consequently, most of the statewide growth in civil aviation is expected in the State's urban areas.

Jet activity in Los Angeles and San Francisco counties together accounts for over half of all jet activity statewide. Other areas with substantial jet activity include San Diego, Santa Clara, and Alameda counties. Each of these counties has significant commercial air carrier, therefore jet, activity. Jet activity in these counties is very closely associated with statewide activity levels.

Piston and turboprop aircraft are more commonly found in the general aviation and air taxi fleets. Also, in large metropolitan areas with several airports, operations at the major or international airport are generally restricted to commercial activity with limited general aviation and air taxi activity. General aviation and air taxi traffic is routed to so-called general aviation and reliever airports in the area. Therefore, counties served by numerous or large general aviation facilities have the biggest shares of statewide piston

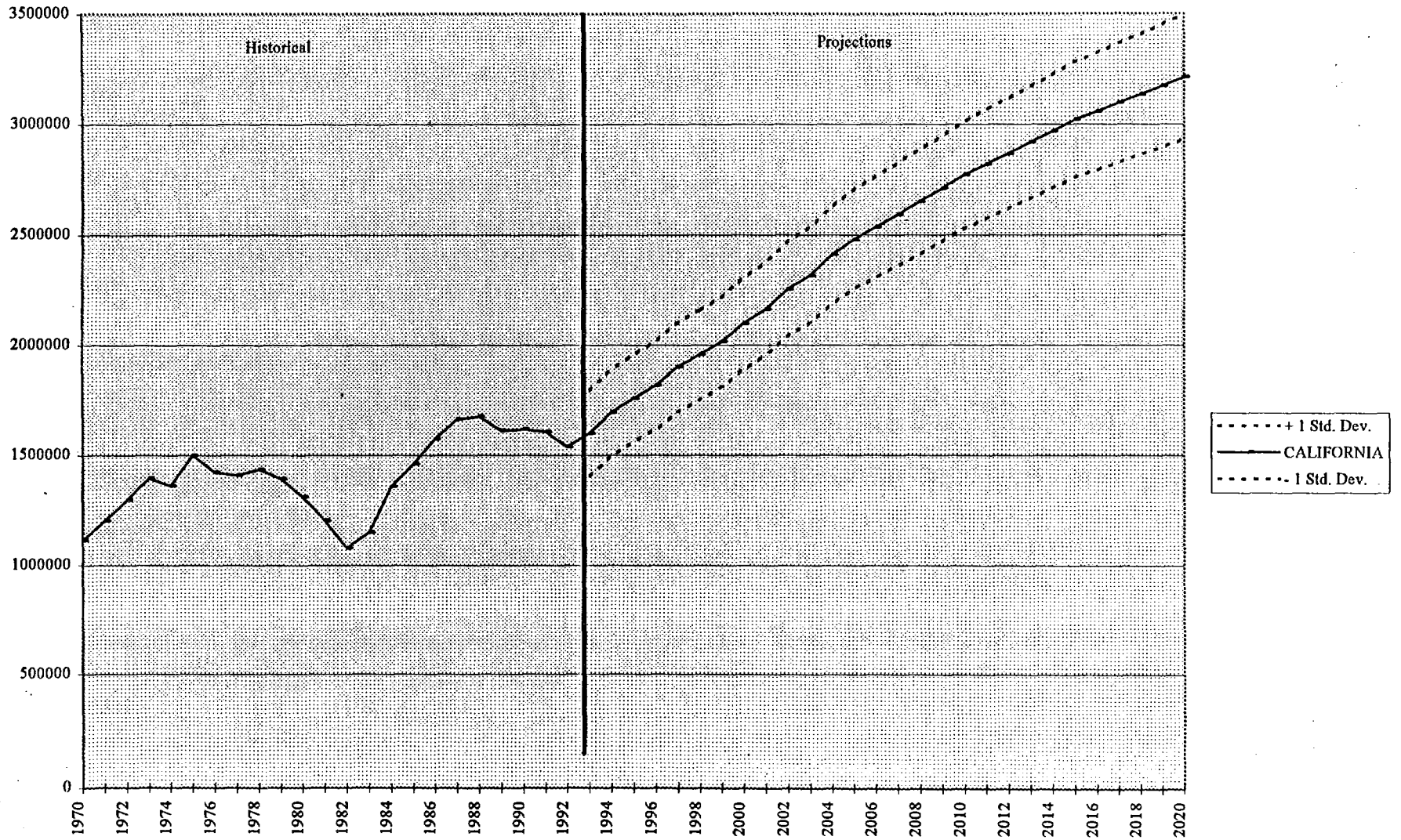
and turboprop flight operations. These include Los Angeles, San Diego, Alameda, Santa Clara, and Orange counties. Since San Francisco county has a large international airport but not a large general aviation airport, it ranks highly in the jet subcategory but not in the piston and turboprop subcategories.

The volume of flight operations associated with general aviation is considerably larger than those associated with commercial activity. As a result, the volume of flight operations in piston aircraft is nearly 4 times that of jet aircraft. The volume of turboprop operations is the smallest of the three.

The share of statewide activity for each of the subcategories is smallest in those counties with little or no urban population. There also tends to be less of a correspondence between the trends in these counties and the statewide trends.

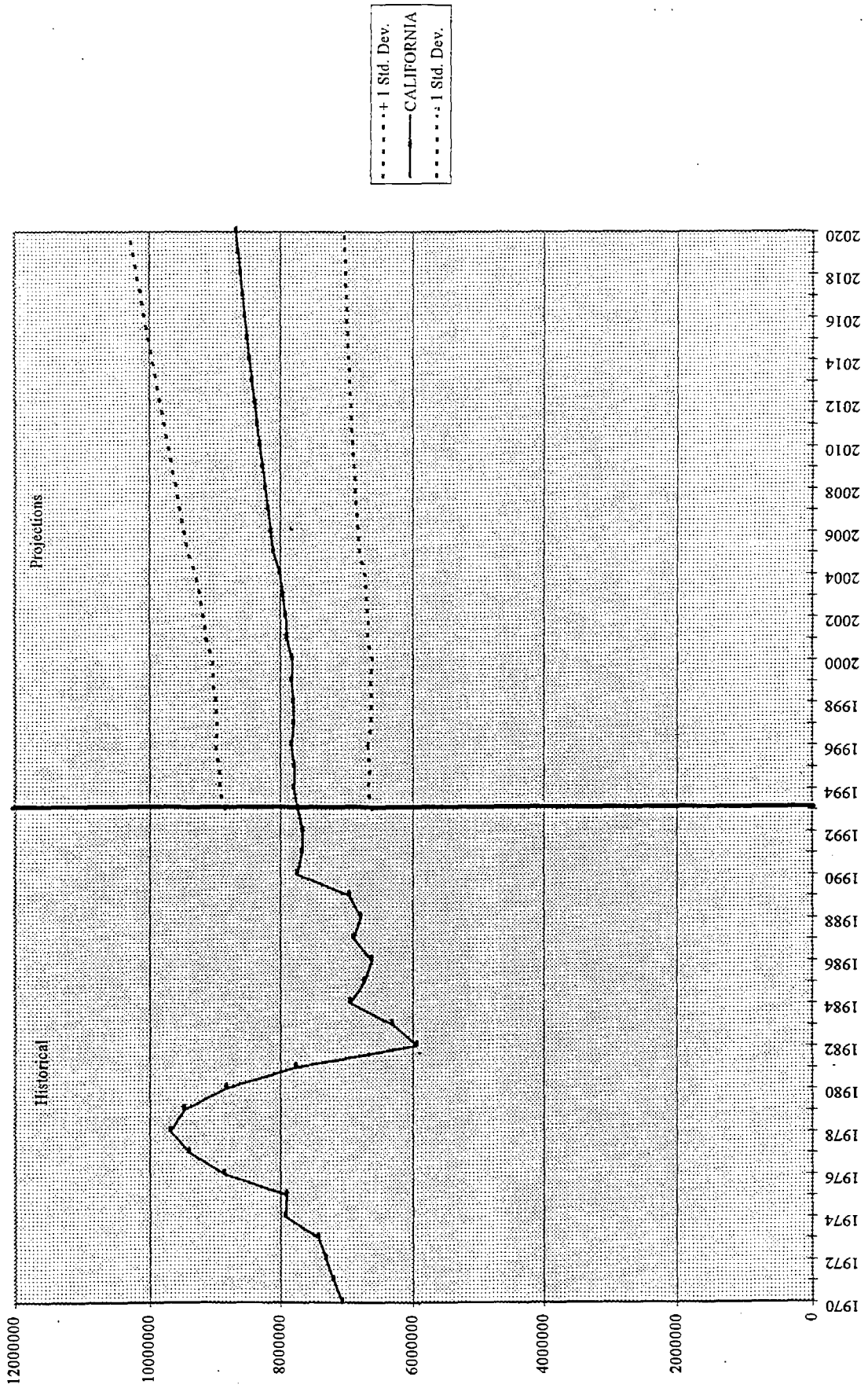
For interpretation of bands, see technical discussion in the appendix.

Figure 2.2.1 - Civil Aircraft, Jet (Flight Operations)



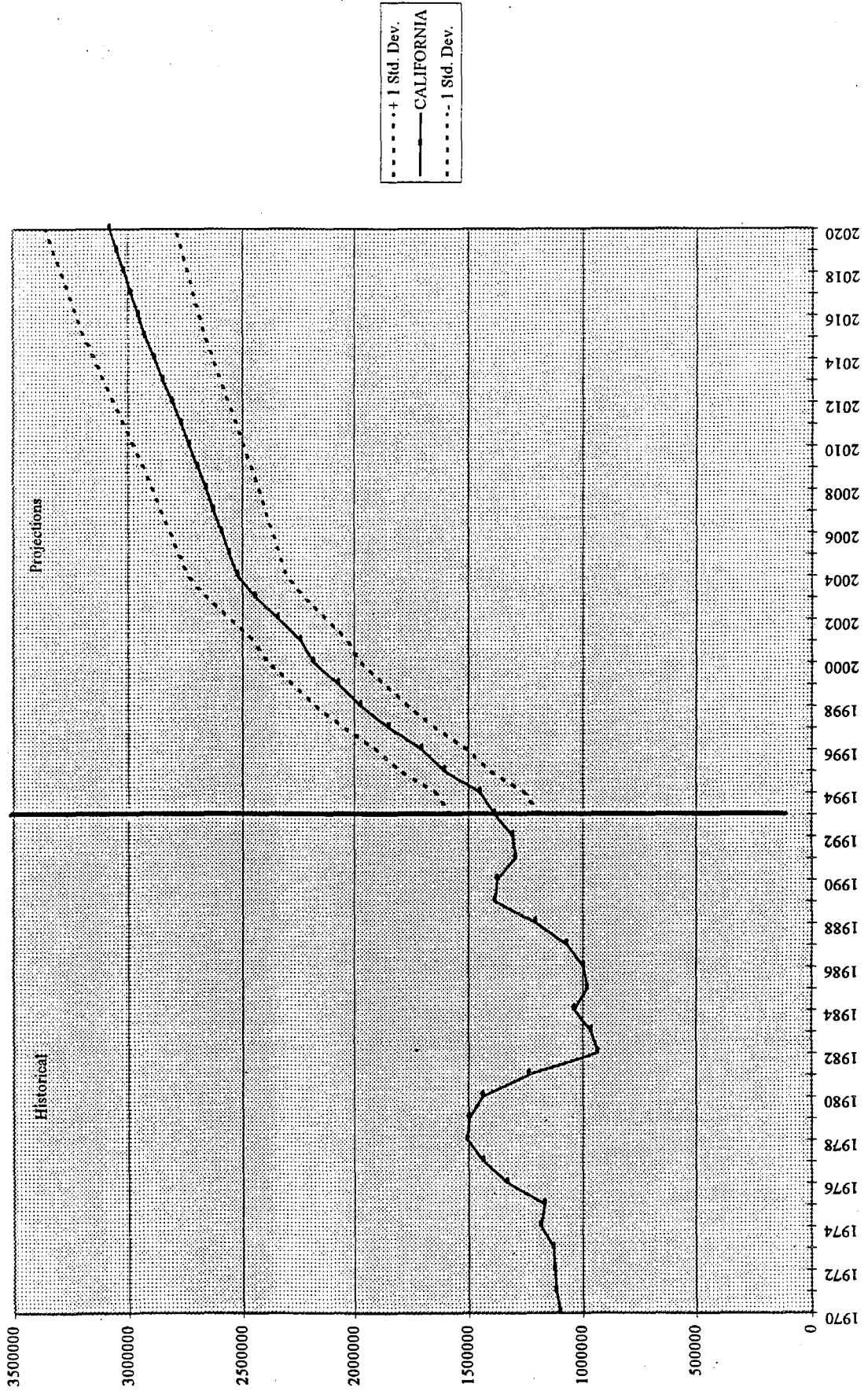
For interpretation of bands, see technical discussion in the appendix.

Figure 2.2.2 - Civil Aircraft, Piston (Flight Operations)



For interpretation of bands, see technical discussion in the appendix.

Figure 2.2.3 - Civil Aircraft, Turboprop (Flight Operations)



2.3 MILITARY AIRCRAFT

Data

The military aircraft category is divided into three subcategories: jet, turboprop, piston. The same FAA data sources that were used for civil aircraft were also used for military aircraft.

The FAA reports Department of Defense estimates of military aviation activity in its FAA Aviation Forecasts and in Terminal Area Forecasts. Additional data on military operations (takeoffs and landings) by flight tower were obtained directly from the FAA. When compared to a more extensive listing of military activity for the year 1992, the data used appear to account for about 83% of the military aviation operations that are tracked by the FAA.

A complete historical data series of flight operations by towered airport was available from 1970 to 1992. Forecasts were also available to the year 2005.

Estimation and Results

A 2-step bottom-up approach was used to generate annual measures of jet, piston, and turboprop flight operations. First, a complete series was developed for military aviation activity for each airport from 1970 to 1992, with forecasts from the FAA to the year 2005. Trend analysis was used to extend the series to 2020.

Second, assignment of total flight operations to the jet, piston, and turboprop subcategories was based upon reported historical and forecast hours of operation by type of aircraft, which was available at the national level from the annual publication FAA Aviation Forecasts (various years). The analysis of fleet composition accounted for both fixed-wing and helicopter activity. The fleet composition data were applied to the military aviation figures for each of the airports. Data by airport were then aggregated for each county. These were summed to obtain the statewide totals.

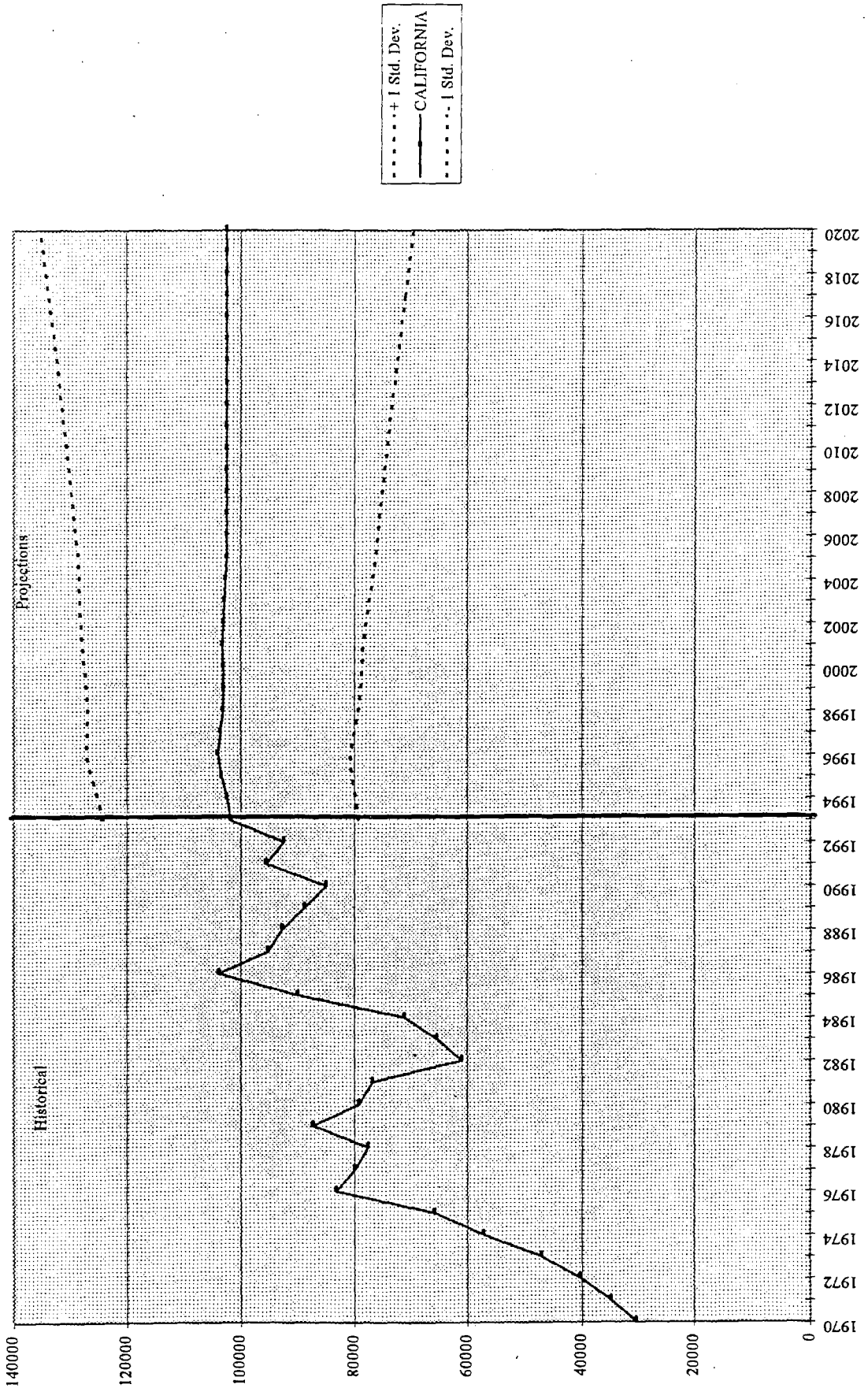
Discussion

The results for military aircraft appear in Figures 2.3.1, 2.3.2, and 2.3.3 and in Tables 6, 7, and 8. Military flight operations are generally driven by military activity in the U.S. and around the world. In the present post-Cold War era, the U.S. military has continued the downsizing that began in the late 1980s.

Los Angeles and San Diego counties have the largest volumes of military flight operations in each of the three subcategories and correspond closely to statewide trends. The effects of downsizing are reflected in the forecasts for military flight operations, which show no growth through the year 2020. Since the forecasts are based upon the latest official forecasts of the Department of Defense which were obtained through the FAA, the forecasts are presumed to take military base closures into account. Even after military bases close, however, military flight operations at civilian airports are expected to continue. Additionally, California Air National Guard operations are expected to continue.

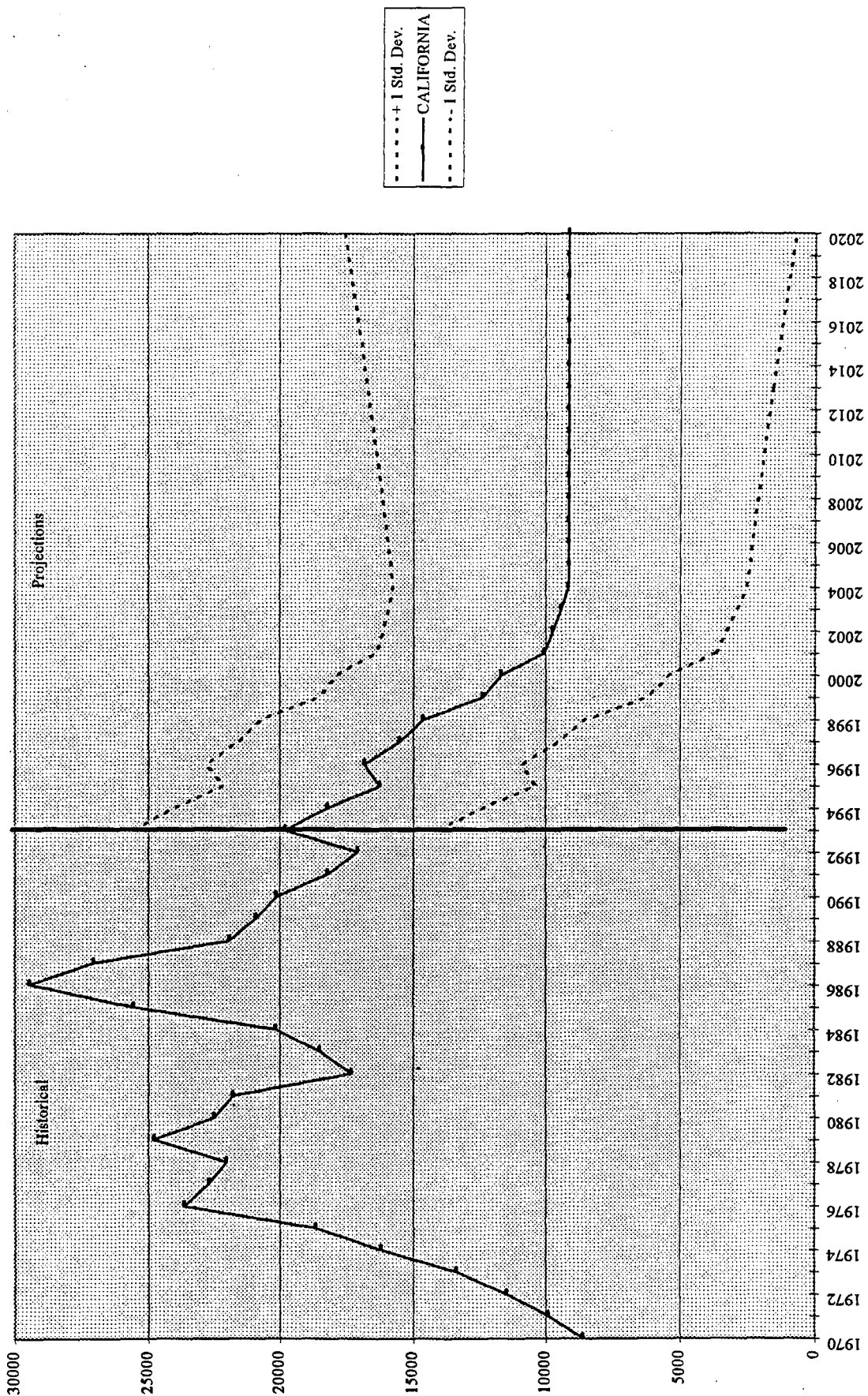
For interpretation of bands, see technical discussion in the appendix.

Figure 2.3.1 - Military Aircraft, Jet (Flight Operations)



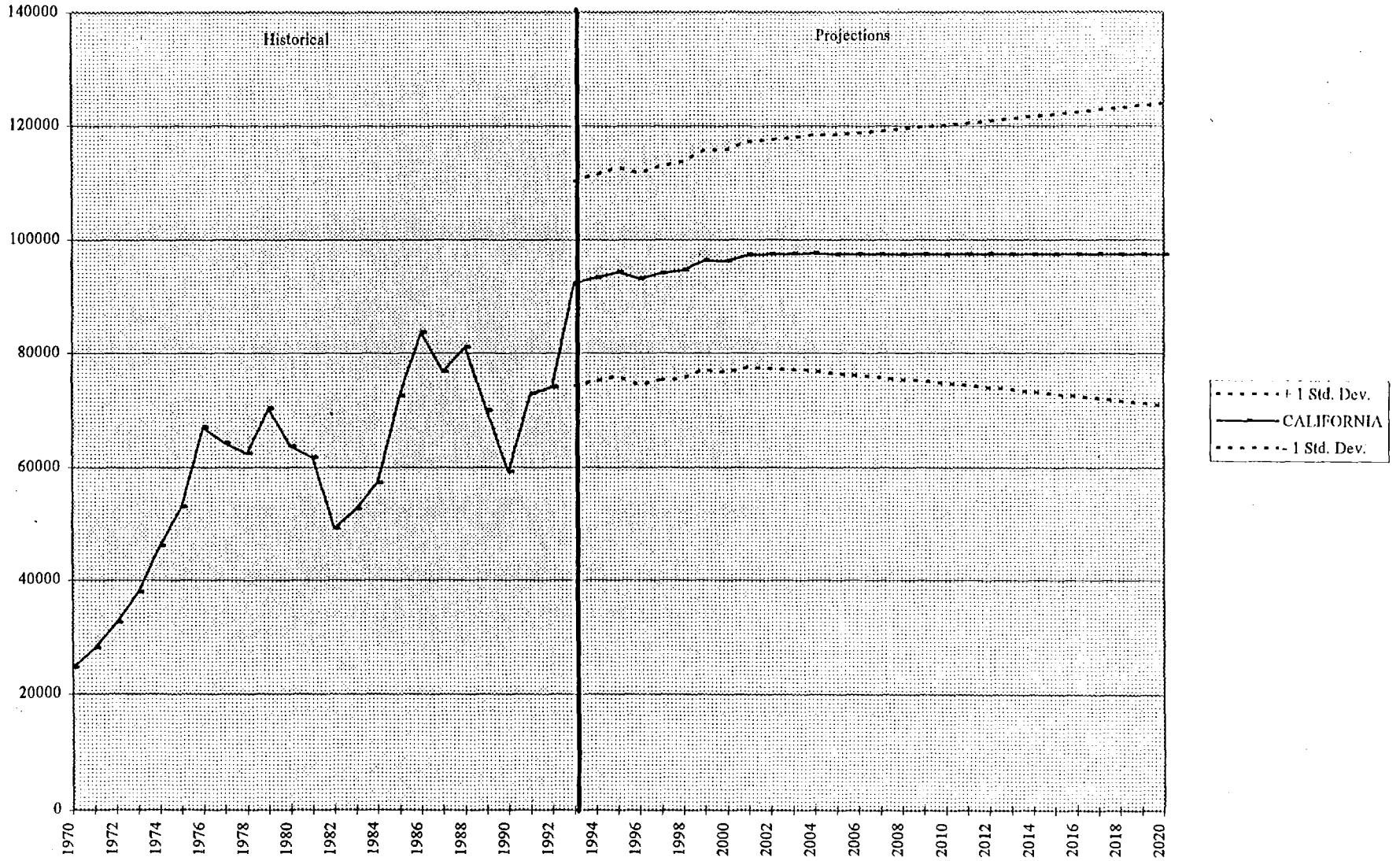
For interpretation of bands, see technical discussion in the appendix.

Figure 2.3.2 - Military Aircraft, Piston (Flight Operations)



For interpretation of bands, see technical discussion in the appendix.

Figure 2.3.3 - Military Aircraft, Turboprop (Number of Flight Operations)



2.4 RECREATIONAL BOATS

Data

Two series are generated for recreational boats: gasoline-powered vessels and diesel-powered vessels. Possible measures of recreational boating activity included boat registrations, marine fuel sales, and marina activity. A direct measure of marine activity obviously would be preferred. For example, marine fuel sales would have been an ideal indicator of usage. The most likely source for such data was the California Board of Equalization. In conversations with officials at the Board of Equalization it was determined that these data are not kept at the county level. Marina employment and payroll were available at the state level, but only since 1989 following the BEA's revisions to the SICs. Accurate estimates of employment and payroll were not available at the county level.

Other agencies contacted included the California Department of Boating and Waterways, the California Department of Motor Vehicles (DMV), and the U.S. Coast Guard. In a series of telephone conversations it was established that the Department of Boating and Waterways did not publish the type of data needed for this category. Agency officials referred the IEES to the California DMV.

Data on registrations were obtained from the U.S. Coast Guard. The Coast Guard maintains data for the State only, and does not provide adequate information about the composition of the fleet.

Registrations data from the DMV provide the most comprehensive measure of activity in this category. Moreover, data exist from 1981 to 1993 for the State and each county. Data on the composition of the fleet (type of propulsion and size of watercraft) at the state level were also obtained from the DMV. DMV data were used in the analysis below.

Estimation and Results

Sufficient details were available for the period 1981-1993 to separate the number of pleasure crafts from total vessel registrations for each county. Further analysis using state level data made it possible to determine number of motorized pleasure crafts by summing inboards, outboards, inboard/outboards, auxiliary engine sailboats, and jet skis. The share of motorized pleasure crafts in total pleasure craft registrations was determined at the state level for each year, then applied to the county registrations data to obtain motorized pleasure crafts by county.

It was necessary to estimate data for the years 1970-1980. Several explanatory variables were analyzed for their relationship to recreational boat ownership: population, real personal income, and other county characteristics including water area. A statistical model of recreational boating was then developed at the state level, with registrations as the dependent variable and population, real personal income, and real income per capita, as explanatory variables.

Various specification were tested and a final specification was developed and used to estimate missing values in the historical series, as well as to develop state level forecasts to the year 2020. The final specification was

$$\text{REGS} = -748819 \quad + \quad 0.037652 \text{ POP} \quad + \quad 17.404290 \text{ PICAP}$$

(-8.30) (23.16) (4.06)

$$R\text{-sq} = 98.7 \quad \text{Adjusted R-sq} = 98.4 \quad F = 343.0$$

Here REGS refers to the total number of motorized pleasure craft registrations for the year, POP refers to State population, and PICAP refers to personal income per capita (in constant 1993 dollars). The t-ratios are shown below each parameter estimate in parentheses. Tests for serial correlation were inconclusive, and alternative specifications were attempted, but little could be done to test for or correct it because of the brevity of the series. However, serial correlation is known to be a problem with time-series data on personal income and population.

The historical series from 1970 to 1980 were distributed across the counties based upon the distribution for the reference year 1981. The forecast series were distributed across the counties using the distribution for the reference year 1993. The procedure is described as follows. Let R_t be the estimate of registrations at the state level in year t , r_{cy} be the registrations in county c in reference year y , and R_y be State registrations in reference year y . Then the estimate in year t for county r_{ct} will be:

$$r_{ct} = (r_{cy}/R_y)R_t$$

Gasoline-Diesel Breakdown

The split between gasoline and diesel boating activity was based upon observations of officials at the U.S. Coast Guard and the California Department of Boating and Waterways: larger boats (generally over 40 feet) tend to be powered by diesel engines, smaller boats are almost always gasoline-powered. The distribution of boat registrations by length was also obtained from the DMV for the available years. Motorized boats were divided into 2 classes: less than 40 feet in length, greater than or equal to 40 feet. The share of boats in the under 40 feet class was taken as a proxy for the share of gasoline-powered boats. The share of boats in the 40 feet or larger class was taken as a proxy for the share of diesel-powered boats. These shares were computed for each year, then applied to overall commercial boat registrations to determine the split between gasoline and diesel-powered recreational or pleasure boats. On this basis, about 1% of all boats registered with the DMV are diesel-powered.

Other ARB-funded studies offer comparative data on the split between diesel and gasoline split, but they generally refer to a single year. A 1992 "Briefing on Development of a Non-Road Equipment Emissions Model" from Energy and Environmental Analysis indicated that just over 4% of all pleasure boats in the South Coast of California were diesel-powered. The discrepancy probably results from the under-reporting of large vessels - typically diesel - in the DMV registrations. As described below in the section on commercial boats, larger vessels are required to have U.S. Coast Guard documentation, which precludes the need for DMV registration.

Discussion

Recreational boating activity is shown for the gasoline and diesel subcategories in Figures 2.4.1 and 2.4.2 and in Tables 9 and 10. Recreational boating registrations show growth over the forecast period in response to projected growth in population and real per capita income.

Owing to their coastal locations, large populations, and relatively warmer ocean temperatures, Los Angeles, Orange, and San Diego counties have the largest number of recreational boat registrations. These counties also follow the state trend very closely. As expected, the smallest number of registrations is found in mountainous inland locations such as Sierra and Alpine counties.

As indicated earlier, registrations are only an indirect measure of boat usage. The possibility exists that a county shows a positive value for boat registrations but has no navigable waterways and therefore not boating usage. This possibility was examined as follows.

First, each county was identified as coastal or non-coastal. All coastal counties were assumed to have boating activity. Second, each water reservoir in the State which is available for recreational use was identified by county. All counties with such a reservoir were likewise assumed to have boating activity. Third, waterway areas for each county were obtained from the California Statistical Abstract for all years from 1970 through 1992. The data for 1992 appear on page 34. All non-coastal counties with substantial amounts of water were assumed to have boating activity.

A number of counties were identified as non-coastal counties with relatively small water areas and potentially no boating activity: Alpine, Amador, Colusa, Glenn, Kings, Mariposa, San Benito, Sierra, Sutter, Tehama, and Yolo. California Department of Boating and Waterways publications were examined to determine whether any boating facilities existed in these counties. The 1987 Inventory of Boating Facilities showed berths and moorings available by county. Of the counties with small water area, only

Sierra county showed no boating facilities in 1987. To determine whether other counties may have had no boating activity prior to 1987, figures were obtained on dollar allocations by county for a launch facilities grant program from the agency's Biennial Report back to 1978. All of the above counties showed facilities completed and/or in progress back to 1978. (Data for the earlier years could not be obtained.) On this basis, all non-coastal counties with small water areas were judged to have boat usage over the historical period. Accordingly, there was no apparent need to adjust the registrations series to account for counties without boating activity.

Exhibit A

LAND AND WATER AREAS OF CALIFORNIA COUNTIES, 1992

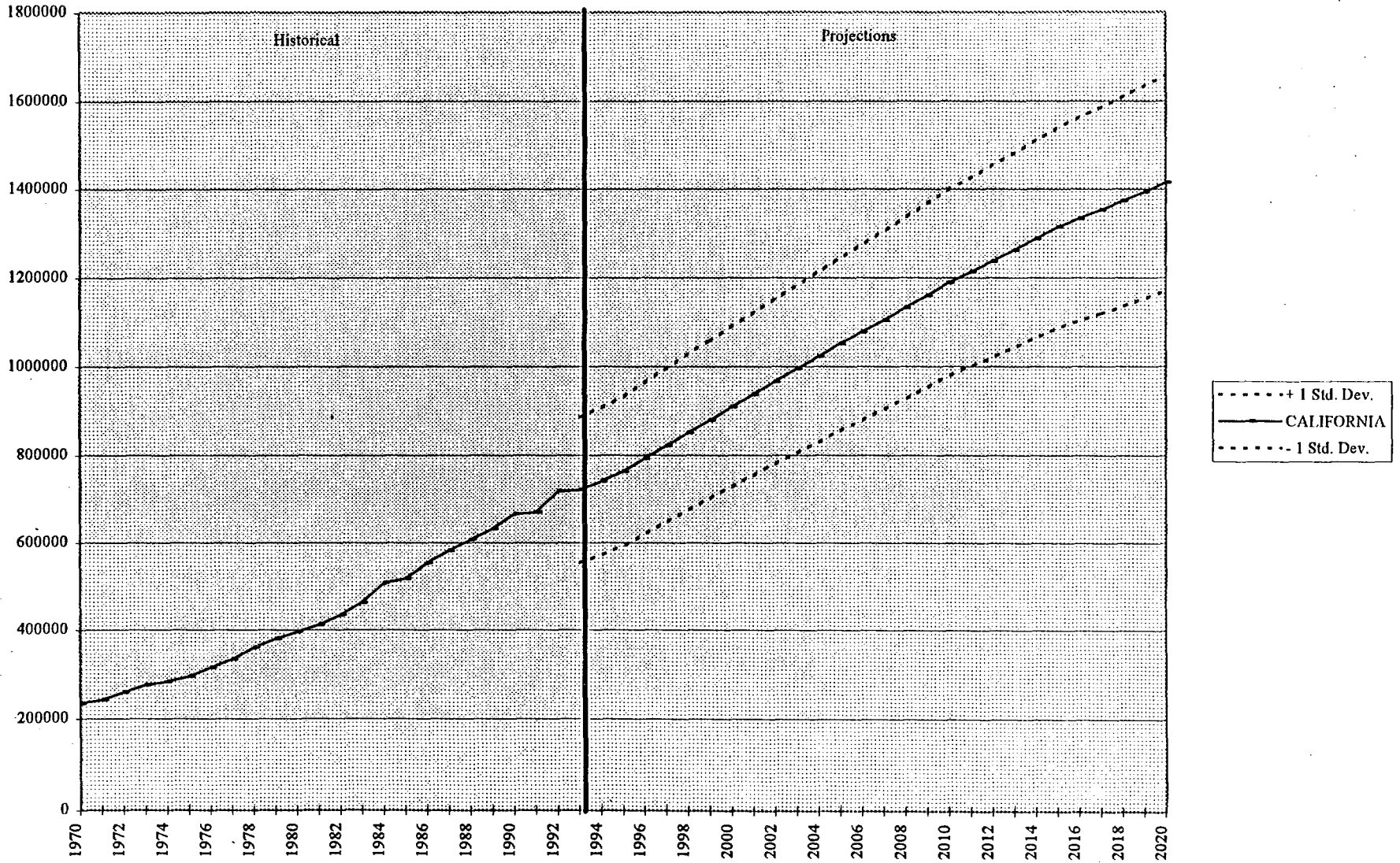
County	Water area a/		Land area a/		Total area a/	
	Acres	Square miles	Acres	Square miles	Acres	Square miles
Total	4,949,750	7,734.0	99,822,800	155,973.1	104,772,550	163,707.1
Alameda	53,610	83.8	472,000	737.5	525,610	821.3
Alpine	2,930	4.6	472,740	738.7	475,670	743.2
Amador	7,490	11.7	379,240	592.6	386,730	604.3
Butte	24,070	37.6	1,049,340	1,639.6	1,073,410	1,677.2
Calaveras	10,710	16.7	652,920	1,020.2	663,630	1,036.9
Colusa	3,550	5.5	736,500	1,150.8	740,050	1,156.3
Contra Costa	52,410	81.9	460,980	720.3	513,390	802.2
Del Norte	142,050	222.0	645,050	1,007.9	787,100	1,229.8
El Dorado	51,080	79.8	1,095,350	1,711.5	1,146,430	1,791.3
Fresno	35,000	54.7	3,816,450	5,963.2	3,851,450	6,017.9
Glenn	7,910	12.4	841,530	1,314.9	849,440	1,327.2
Humboldt	307,020	479.7	2,286,590	3,572.8	2,593,610	4,052.5
Imperial	196,500	307.0	2,672,030	4,175.1	2,868,530	4,482.1
Inyo	22,830	35.7	6,522,930	10,192.1	6,545,760	10,227.7
Kern	13,070	20.4	5,210,630	8,141.6	5,223,700	8,162.0
Kings	1,340	2.1	889,270	1,389.5	890,610	1,391.6
Lake	45,520	71.1	805,420	1,258.5	850,940	1,329.6
Lassen	104,400	163.1	2,916,790	4,557.5	3,021,190	4,720.6
Los Angeles	443,100	692.3	2,598,380	4,060.0	3,041,480	4,752.3
Madera	9,580	15.0	1,368,590	2,138.4	1,378,170	2,153.4
Marin	197,400	308.4	332,660	519.8	530,060	828.2
Mariposa	7,470	11.7	928,780	1,451.2	936,250	1,462.9
Mendocino	236,300	369.2	2,245,940	3,509.3	2,482,240	3,878.5
Merced	27,600	43.1	1,234,490	1,928.9	1,262,090	1,972.0
Modoc	165,920	259.3	2,524,390	3,944.4	2,690,310	4,203.6
Mono	55,940	87.4	1,948,470	3,044.5	2,004,410	3,131.9
Monterey	287,460	449.2	2,126,040	3,321.9	2,413,500	3,771.1
Napa	22,070	34.5	482,470	753.9	504,540	788.3
Nevada	10,800	16.9	612,900	957.7	623,700	974.5
Orange	101,260	158.2	505,400	789.7	606,660	947.9
Placer	61,330	95.8	898,820	1,404.4	960,150	1,500.2
Plumas	38,260	59.8	1,634,540	2,554.0	1,672,800	2,613.7
Riverside	61,220	95.7	4,613,220	7,208.2	4,674,440	7,303.8
Sacramento	19,180	30.0	618,040	965.7	637,220	995.7
San Benito	1,070	1.7	889,050	1,389.1	890,120	1,390.8
San Bernardino	28,550	44.6	12,839,540	20,061.8	12,868,090	20,106.4
San Diego	205,720	321.4	2,690,870	4,204.5	2,896,590	4,525.9
San Francisco	118,520	185.2	29,890	46.7	148,410	231.9
San Joaquin	17,240	26.9	895,640	1,399.4	912,880	1,426.4
San Luis Obispo	199,190	311.2	2,114,880	3,304.5	2,314,070	3,615.7
San Mateo	186,850	292.0	287,430	449.1	474,280	741.1
Santa Barbara	672,700	1,051.1	1,752,620	2,738.5	2,425,320	3,789.6
Santa Clara	8,520	13.3	826,380	1,291.2	834,900	1,304.5
Santa Cruz	103,640	161.9	285,310	445.8	388,950	607.7
Shasta	39,650	62.0	2,422,820	3,785.7	2,462,470	3,847.6
Sierra	5,500	8.6	610,200	953.4	615,700	962.0
Siskiyou	38,760	60.6	4,023,850	6,287.3	4,062,610	6,347.8
Solano	50,360	78.7	530,030	828.2	580,390	906.9
Sonoma	122,970	192.1	1,008,770	1,576.2	1,131,740	1,768.3
Stanislaus	12,950	20.2	956,520	1,494.6	969,470	1,514.8
Sutter	3,940	6.2	385,720	602.7	389,660	608.9
Tehama	7,200	11.3	7,888,670	2,951.0	1,895,870	2,962.3
Trinity	18,510	28.9	2,034,470	3,178.9	2,052,980	3,207.8
Tulare	9,650	15.1	3,087,570	4,824.3	3,097,220	4,839.4
Tuolumne	24,880	38.9	1,430,820	2,235.6	1,455,700	2,274.5
Ventura	231,940	362.4	1,181,410	1,846.0	1,413,350	2,208.4
Yolo	6,670	10.4	647,960	1,012.4	654,630	1,022.9
Yuba	8,390	13.1	403,490	630.5	411,880	643.6

a/ Components for counties rounded to nearest 10 acres and tenths of square miles.

Source: Sacramento Area Council of Governments, 1990 Census Geographic Areas Reference List, Part A
Department of Water Resources, Statewide Planning Branch (916) 653-8023

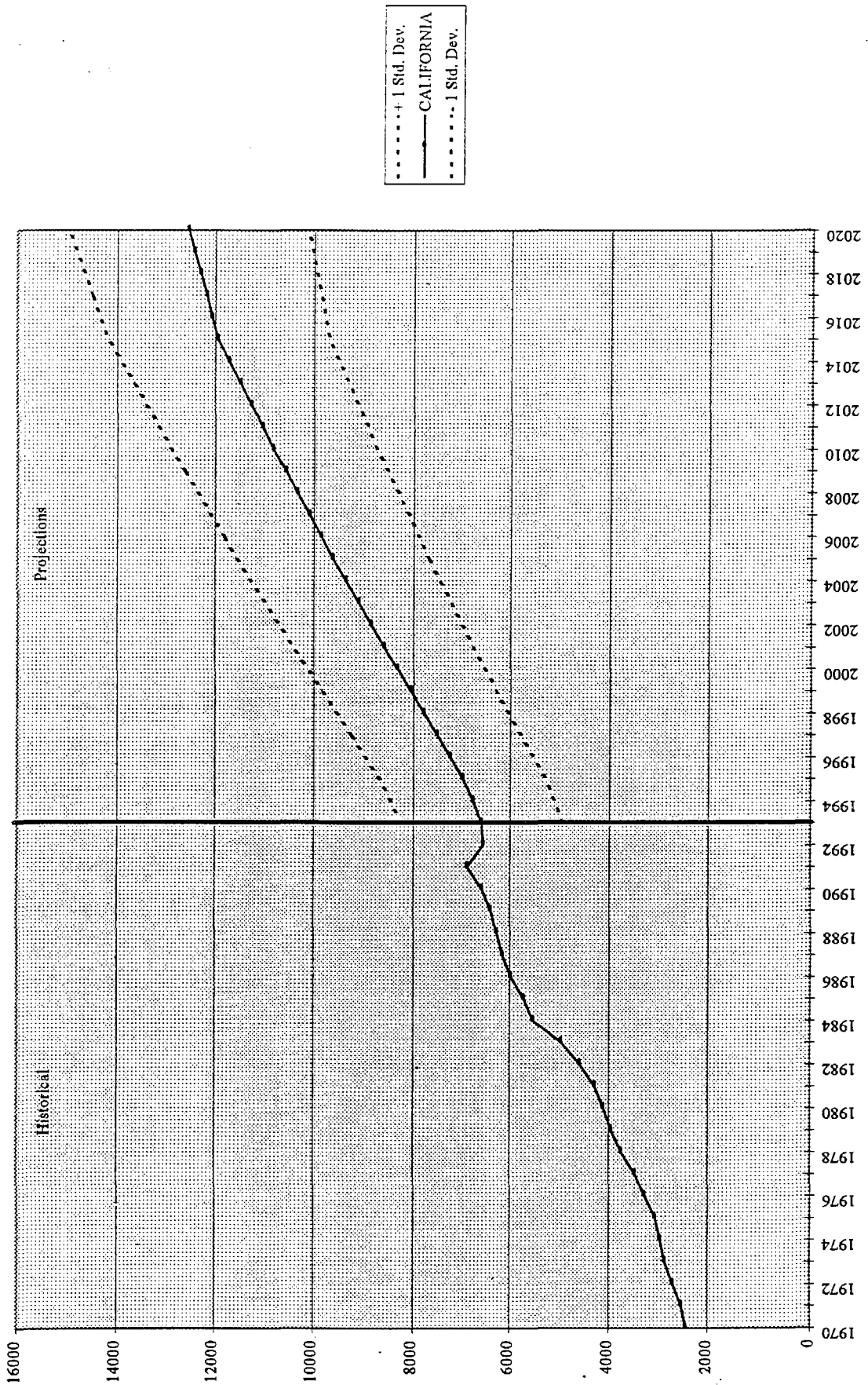
For interpretation of bands, see technical discussion in the appendix.

Figure 2.4.1 - Recreational Boats, Gasoline (DMV Registrations)



For interpretation of bands, see technical discussion in the appendix.

Figure 2.4.2 - Recreational Boats, Diesel (DMV Registrations)



2.5 COMMERCIAL BOATS

Data

The ARB category for commercial boating includes smaller boats used in commerce, available for hire, fishing vessels, and government-operated boats. For the purposes of this study, commercial boats are divided into gasoline-powered vessels, diesel-powered vessels, and offshore oil supply vessels.

It should be noted that the distinction between ARB categories shipping and commercial boating is not clear. In usage by marine officials, commercial boating refers to any vessel used in trade or for hire. By that definition, both of the ARB categories fall under commercial boating. In this study, shipping activity refers to large freight and passenger vessels over 5 net tons in size, and vessels that engage in coastal trade. These vessels must obtain documentation from the U.S. Coast Guard. Commercial boating activity, on the other hand, refers to vessels for hire and for other commercial uses that are less than 5 net tons.

There exist a number of measures of water transportation activity at the state level, including a breakdown by freight and passenger activity. Data sources include figures on State sectoral output from the BEA, County Business Patterns employment, and similar information from the 5-year Census of Transportation and from data currently being assembled by the newly-formed U.S. Bureau of Transportation Statistics. In each case, there was insufficient detail geographically to disaggregate to the county level, an insufficient or incomplete time-series, or both. Additionally, these data sources generally refer to water transportation and related activities in the aggregate, from which the commercial boating component could not be readily extracted. Data on fishing harvests are available, but fishing is just one portion of commercial boating, and would therefore be an inadequate measure of overall commercial boating activity.

DMV registrations are used as an indirect measure of gasoline and diesel commercial boating activity by county. Discussions with individuals at the DMV, the California Department of Boating and Waterways, local and national offices of the U.S. Coast

Guard, and the San Pedro Marine exchange indicated that there is no overall measure of commercial boating activity, while measures of individual components of commercial boating could not be aggregated.

In general, the smaller vessels are registered with the DMV. Vessel registration data provide the most comprehensive measure of activity in this category. Moreover, data exist from 1981 to 1993 inclusive for the State and each county. These data are used to develop time-series for gasoline and diesel commercial boats. Commercial boats that serve offshore oil supply facilities are handled separately, using oil production of offshore oil facilities.

Fishing activity is captured to a certain extent in the commercial vessel figures, although fishing vessels are not singled out in the DMV data. U.S. Coast Guard officials estimate that DMV registrations probably account for 1/2 to 2/3 of all fishing vessels, the remainder of which consists of larger vessels that have the required Coast Guard documentation but not DMV registration.

The series for commercial offshore oil supply boating activity utilized data on production and reserves from the Annual Report of the State Oil and Gas Supervisor, published by the California Department of Conservation, Division of Oil, Gas, and Geothermal Resources. Data on offshore oil production by State and Federal offshore oil field were available for most years back to 1970. Offshore production data for the period 1976 through 1978 was reported at the state level but not by field. A series on reserves was available from 1981 forward.

Estimation and Results

From the data for the period 1981-1993, it was possible to separate the number of commercial and government boat registrations from total registrations. It was necessary to estimate data for the years 1970-1980, and to develop forecasts for the period from 1994-2020. A statistical model of commercial boating at the state level was developed, based upon relationships between registrations and explanatory variables for which

historical and forecast series exist. These include population, real personal income, and real income per capita. The final specification was similar to that of recreational boating although commercial boating shows a trend decline in activity. Serial correlation was a problem. Correction methods were employed but did not improve the estimation. Again, the brevity of the time series proved to be a major shortcoming.

The historical series were distributed across the counties based upon the distribution for the reference year 1981. The forecast series were distributed across the counties using the distribution for the reference year 1993. The procedure is the same as that described earlier for recreational boats.

The distribution of boat registrations by length was also obtained from the DMV for the available years. As described earlier for recreational boats, boats smaller than 40 feet are generally gasoline-powered while those larger than 40 feet are diesel-powered. The share of boats in the under 40 feet class was taken as a proxy for the share of gasoline-powered boats. The share of boats in the 40 feet or larger class was taken as a proxy for the share of diesel-powered boats. These shares were computed for each year, then applied to overall commercial boat registrations to determine the split between gasoline- and diesel-powered commercial boats.

A separate time series was developed for commercial offshore oil supply boating activity with data on production and reserves from the California Department of Conservation, Division of Oil, Gas, and Geothermal Resources. Historical data back to 1970 were available by oil field and each oil field could be identified by county location. Therefore a bottom-up approach could be used for the historical series through 1992. Over the historical time period, offshore oil extraction in State and Federal oil fields took place in Los Angeles, Orange, Santa Barbara, Solano, and Ventura Counties. Oil production ceased in Solano county in the late 1980s.

In order to determine the long-term trend in offshore oil production, several specifications of a statistical model were tested using annual oil production (in barrels) as the dependent

variable and the following variables as explanatory variables: oil reserves (in barrels), the producer price index for petroleum and related fuels, a national index of petroleum production, U.S. and California population, real personal income, and real income per capita. Oil reserves are an important determinant of oil production. Since offshore oil reserves data were available for the last decade only, models including oil reserves were not at all robust. Alternative models dropped oil reserves as an explanatory variable, but the series for the remaining variables extended back to 1970. Moreover, projections were available for all remaining explanatory variables.

Projections by county were generated but proved unsatisfactory, so statewide projections of offshore oil production were generated, then distributed to each individual county on the basis of its share of statewide oil production for the reference year 1992. The final specification was

$$\begin{aligned}
 \text{PROD} = & 178.87 & - & 0.3854 \text{ PPI_PETR} & + & 0.4572 \text{ EXTR_OIL} \\
 & (4.34) & & (-6.84) & & (2.23) \\
 & & & - & 0.012378 \text{ PICAPUS} & + & 31.396 \text{ DUM} \\
 & & & & (-5.90) & & (6.65)
 \end{aligned}$$

$$\text{R-sq} = 93.7 \quad \text{Adjusted R-sq} = 90.2 \quad \text{F} = 51.79$$

Here PROD refers to the total number of registrations for the year, PPI_PETR refers to the producer price index for petroleum, EXTR_OIL is an index of U.S. oil production, PICAPUS is real U.S. per capita income, and DUM refers to a dummy variable to account for a structural break in the series.

Production clearly depends on the available reserves. Assuming no new reserves are discovered (reserves have declined in all but a few years since 1970), the remaining reserves could be computed each year by subtracting production in a given year from reserves shown at the end of the previous year. The procedure was applied, beginning with actual reserves in 1992. Therefore, the production series was constrained by the projected series for reserves.

Discussion

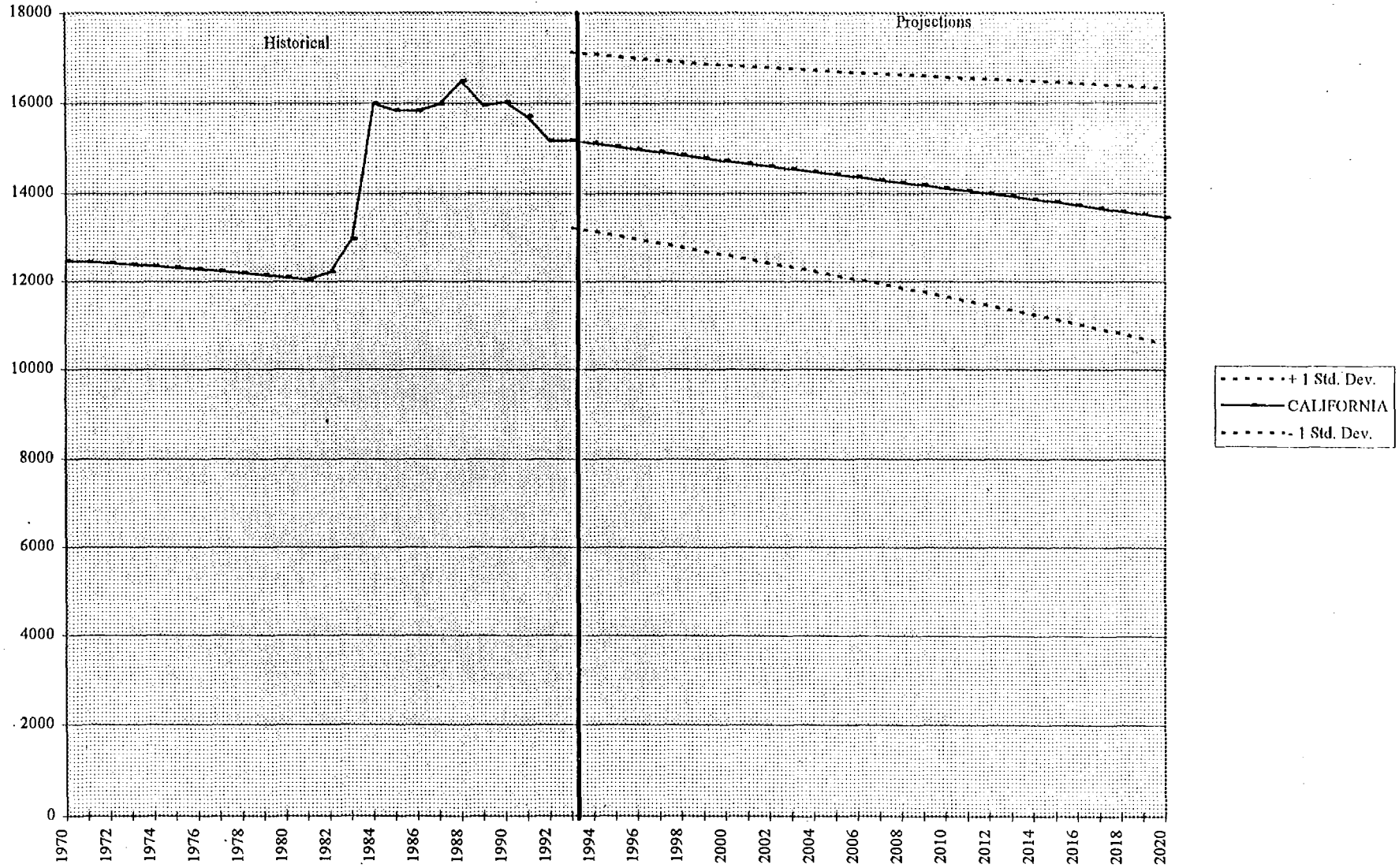
Commercial boating activity is shown in Figures 2.5.1, 2.5.2, and 2.5.3 and in Tables 11, 12 and 13. Commercial boat registrations have declined over the past several years and are expected to continue this trend. This may be attributed to a decline in commercial boating activity as a whole, a gradual shift from smaller to larger vessels, and a long-term decline in fishing. DMV boat registrations also under-represent commercial boating because commercial boats are often larger than 5 net tons, therefore required to have Coast Guard documentation which supersedes State registration.

The counties with the largest number of commercial boat registrations are the same as those for recreational boating: Los Angeles, San Diego, and Orange. The trends in these counties bear a strong resemblance to those of the State, although the correspondence is not as pronounced as with other categories. As with recreational boating, inland mountainous counties have few commercial boating registrations.

As indicated earlier, offshore oil production currently takes place in Los Angeles, Santa Barbara, Orange, and Ventura counties, with production levels ranked in that order. Offshore production ceased in Solano county in the late 1980s. Production at the county level appeared to proceed without regard to the trend in oil prices. Production typically leveled off at some stable rate, then declined rapidly as reserves were depleted. This trend occurs in each county series. Based upon forecast production through 2020, and assuming no new reserves would be discovered after 1992, estimated reserves by 2020 would equal 15 percent of actual 1992 reserves.

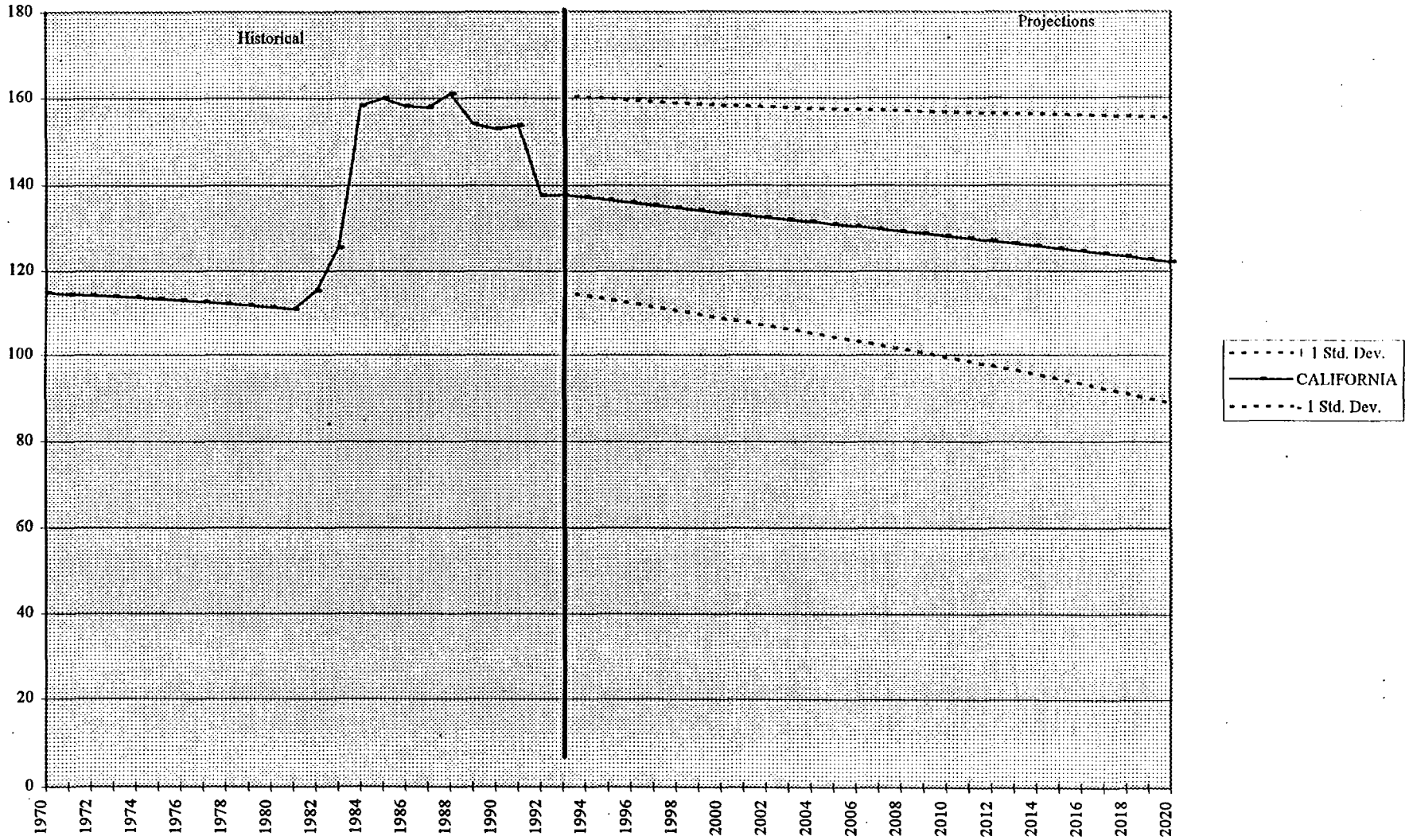
For interpretation of bands, see technical discussion in the appendix.

Figure 2.5.1 - Commercial Boats, Gasoline (DMV Registrations)



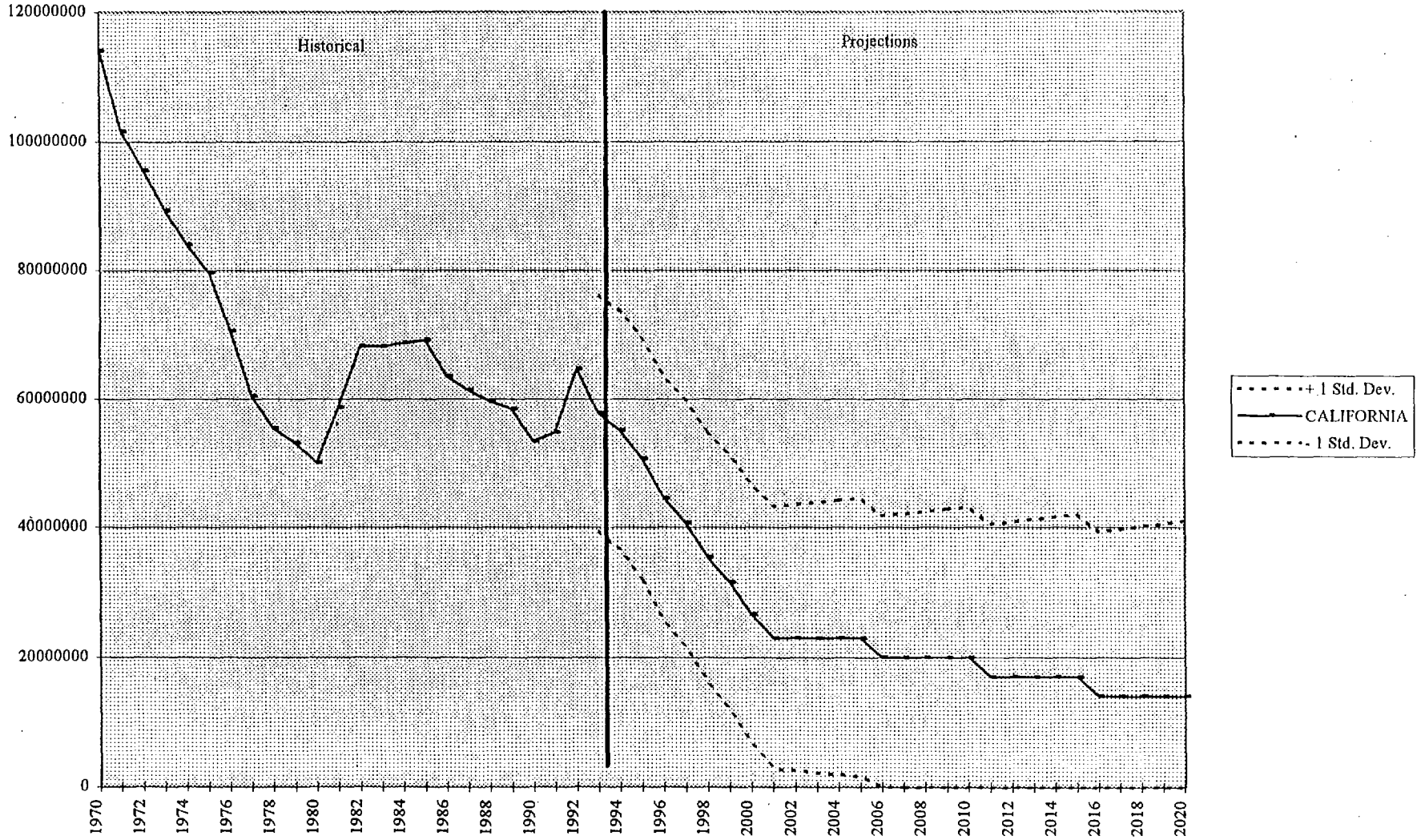
For interpretation of bands, see technical discussion in the appendix.

Figure 2.5.2- Commercial Boats, Diesel (DMV Registrations)



For interpretation of bands, see technical discussion in the appendix.

Figure 2.5.3 - Commercial Boats, Offshore Oil Production (Barrels per year)



2.6 RECREATIONAL VEHICLES

Data

The ARB requests 2 subcategories of off-highway recreational motor vehicles (OHVs): all-terrain vehicles/motorcycles (ATV/MTCs) and four-wheel drive vehicles (FWDs). No specific mention was made of snowmobiles, but these were included in the ATV/MTC category. There were three possible sources of data: the California Department of Parks and Recreation Off-highway Motor Vehicle Recreation Division (OHMVR), the Motorcycle Industry Council, and the California DMV.

The OHMVR Division has data on State Recreation Areas including State Recreational Vehicle Areas (SRVAs) where off-highway vehicles may be used. The agency publishes data on entrance fees for SRVAs statewide and by each SRVA, but a substantial portion of OHV activity occurs on Federal public lands in the State and in private user areas. A guidebook was first published in 1992 listing State, Federal, and private OHV user areas throughout the State, but no consistent measure of capacity or usage is reported. As for OHV-related fuel taxes, agency officials indicated no knowledge of whether or where historical data are kept.

The Motorcycle Industry Council (MIC) reports a variety of information on-and off-road vehicles including data on population, production, sales, and usage in its Motorcycle Statistical Annual. The MIC data are published at the state or national level. No data are reported at the county level. Usage by state is represented by the number of ATV/MTCs used off-highway. There also are estimates of the annual miles traveled for the U.S. as a whole.

DMV data were used in this analysis because they offered the required county-level detail for nearly the entire historical period. DMV registrations measure the OHV population by county but not usage, and thus are an indirect measure of activity in this category. Discussions with individuals at the DMV and the California Department of Parks and Recreation (Off-Highway Motor Vehicle Recreation Division) indicated that no overall measures of OHV and FWD activity exist over time.

The DMV maintains a database of 'green-sticker' off-road recreational motor vehicle registrations by county. The series extends from 1972-1993. The series undercounts the FWD registrations because many enthusiasts use their four-wheel drive on-road vehicle with conventional registration for off-road purposes.

DMV categories changed in number and definition over the period for which data were available. As a rule, there were 4 categories of vehicles. Separate categories existed throughout the period for *motorcycles* and *snowmobiles*. Categories that were present on an irregular basis include *4-wheel drive*, *3-wheel motorcycle*, and *pickups*. A final category, *all others*, was present throughout the series and presumably included 4-wheel drives and pickups when they were not mentioned explicitly. Moreover, the DMV only recorded active registrations prior to 1979, but recorded both active and inactive (expired) registrations from 1979 on.

Estimation and Results

In order to develop a consistent time-series from 1970 through 1993 for the ARB categories, a data set was created for active registrations only. DMV categories were grouped as follows: the ARB category ATV/MTC consists of DMV categories for motorcycles and snowmobiles, and 3-wheel motorcycles when listed separately; the ARB category FWDs consists of the all others category, and the 4-wheel drives and pickups categories when listed separately.

OHV registrations from the DMV are reported for selected years in the table on the following page. The numbers shown characterize those with current registrations. In the early 1990s approximately current registrations comprised 60% of all OHVs with current or expired registrations.

ACTIVE IN-STATE REGISTRATIONS BY OHV CATEGORY, SELECTED YEARS

Number of Registrations¹

Year	MTC/ATVs	Snowmobiles	All Others	Total
1975	41,485	621	5,523	47,629
1980	172,896	5,472	16,427	194,795
1985	298,423	5,423	19,821	323,667
1990	296,501	7,893	24,463	328,857
1993	284,288	10,090	25,454	319,832

Category as Percentage of Total Registrations

Year	MTC/ATVs	Snowmobiles	All Others	Total
1975	87.1%	1.3%	11.6%	100.0%
1980	88.8	2.8	8.4	100.0
1985	92.2	1.7	6.1	100.0
1990	90.2	2.4	7.4	100.0
1993	88.9	3.2	8.0	100.0

¹ MTC/ATV registrations were reported as a single category in 1975 and 1980. For the years 1985, 1990, and 1993, the number shown in this column is the sum of the registrations for off-road motorcycles and 3-wheel motorcycles.

The data from the DMV were checked for consistency across the time-series and for each county. Fluctuations in the series appear to result from lapsed registrations, lax efforts to enforce registration requirements (mainly in the early 1970s), and common measurement error. Analysis was based on the continuous series from 1977 through 1993.

Furthermore, since the data in 1979 greatly exceeded the prior and subsequent year, the county totals for 1979 were replaced by an average of the registrations for the years 1978 and 1980, then summed to obtain the 1979 State total.

Regression analysis was utilized to establish a trend for all OHV registrations at the State level. Registrations were estimated as a function of relevant variables for which consistent historical and forecast data existed, but the small number of observations in the series restricted the number of explanatory variables that could be used. In addition to simple time-series analysis, a number of specifications were tested using combinations explanatory variables that included population, personal income (constant 1993 dollars), personal income per capita (constant 1993 dollars), and a national index of real personal consumption spending on gasoline/oil. The final specification was

$$\text{REGS} = \begin{matrix} -542517 & + & 0.011194 \text{ POP} & + & 24.426 \text{ PICAP} \\ (-4.53) & & (4.25) & & (3.37) \end{matrix}$$

$$\text{R-sq} = 86.6 \quad \text{Adjusted R-sq} = 84.7 \quad \text{F} = 45.3$$

Here REGS refers to the total number of registrations for the year, POP refers to State population, and PICAP refers to State personal income per capita (in constant 1993 dollars). The t-ratios are shown below each parameter estimate in parentheses. A Durbin-Watson value of 0.90 indicated that the presence of serial correlation was inconclusive. Additional tests for serial correlation required more data points than those available. However, serial correlation is known to be a problem with time-series data on personal income and population. Two alternative specifications - one using differences and another using a Cochrane-Orcutt transformation - were tested with no improvement relative to the final model. Plots of the residuals indicate heteroscedasticity as well. The model was specified in log and semi-log form and re-estimated. Neither of these alternative forms was superior to the final model.

The series consists of actual county and state level registrations for 1973, 1977-78, and 1980-1993; and state level estimates for 1970-1972, 1974-1976, and 1979 that were distributed to the counties on the basis of available data for years before or after the estimated year. Forecasts at the state level from 1994-2020 were obtained from the regression model, then distributed to the counties on the basis of the distribution for 1993.

In order to ensure consistency between the actual data and the estimates, the implied growth rate from the regression model was applied to actual data in completing or extending the series.

Discussion

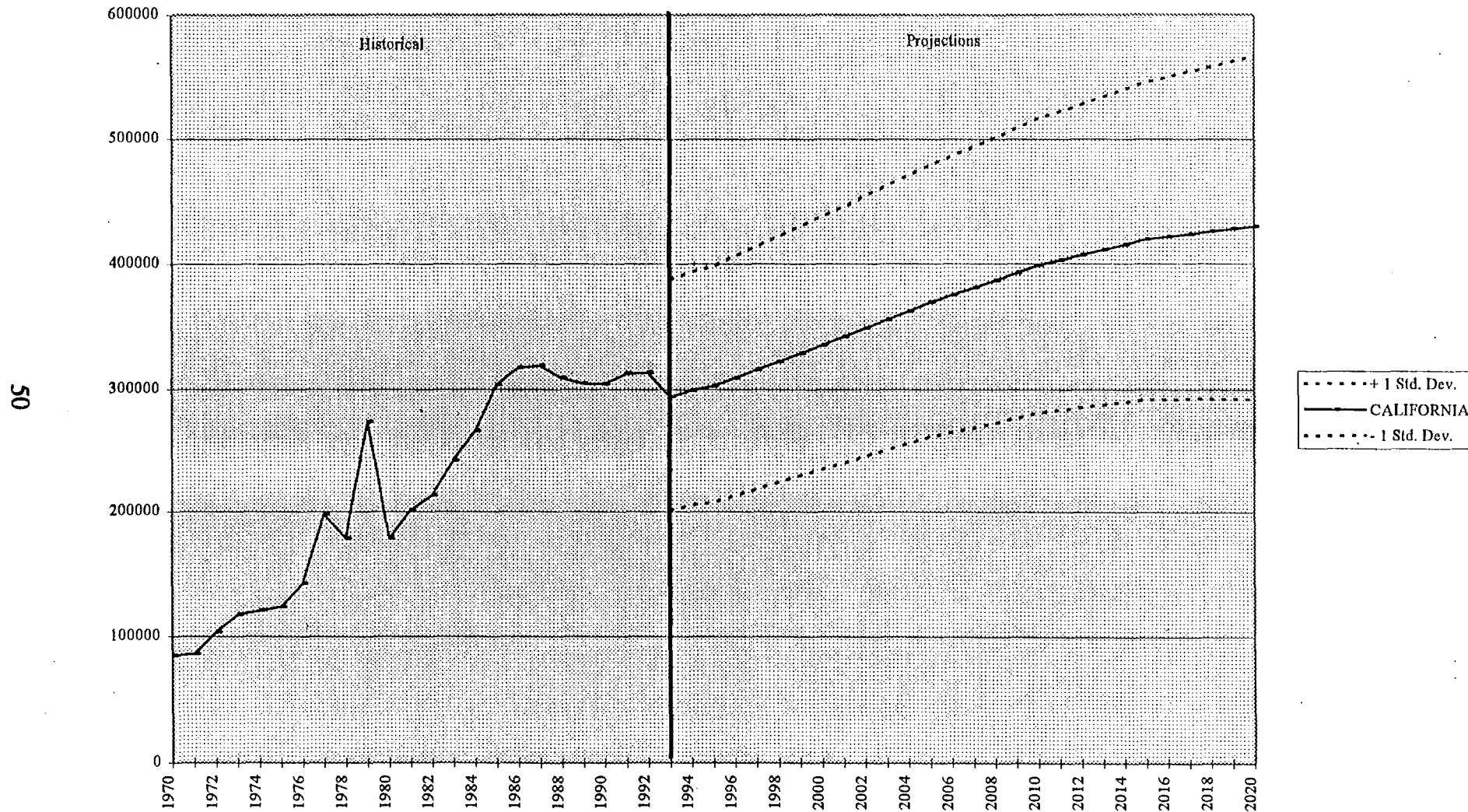
OHV activity is shown Figures 2.6.1 and 2.6.2 and in Tables 14 and 15. This activity is driven primarily by population growth and real income per capita, both of which are expected to grow well into the 21st Century. Hence the trend shows growth throughout

the forecast period. The trend will be mitigated by net increases or decreases in public lands designated for OHV use. Officials at the OHMVR Division indicated that private facilities for OHV use have dwindled in number over the years and relatively few remain compared to the 1970s. Among the reasons cited for this decline was the tremendous liability these facilities assume when open to the public.

Recreational vehicle registrations by county correspond closely to county population. The largest numbers of registrations are found in Los Angeles, San Diego, Orange, and San Bernardino counties. There are several OHV user areas in southern California, mainly in Imperial and San Bernardino counties. Notably, registrations in Imperial county amount to less than one percent of the State total. This illustrates the drawback of using registrations as a proxy for usage. The 1993 Statewide Off-Highway-Vehicle User Survey Analysis of the OHMVR Division reports that more OHV miles are driven in Imperial county than any other, about 70 percent more than in second-ranked San Bernardino county. Yet on the basis of registrations, Imperial county ranks 28th for the ATV/MTC subcategory, and 12th for the FWD subcategory. Unfortunately, this survey was the first ever. Consequently, the survey's findings on usage could not be applied to the 50 year time span of this study.

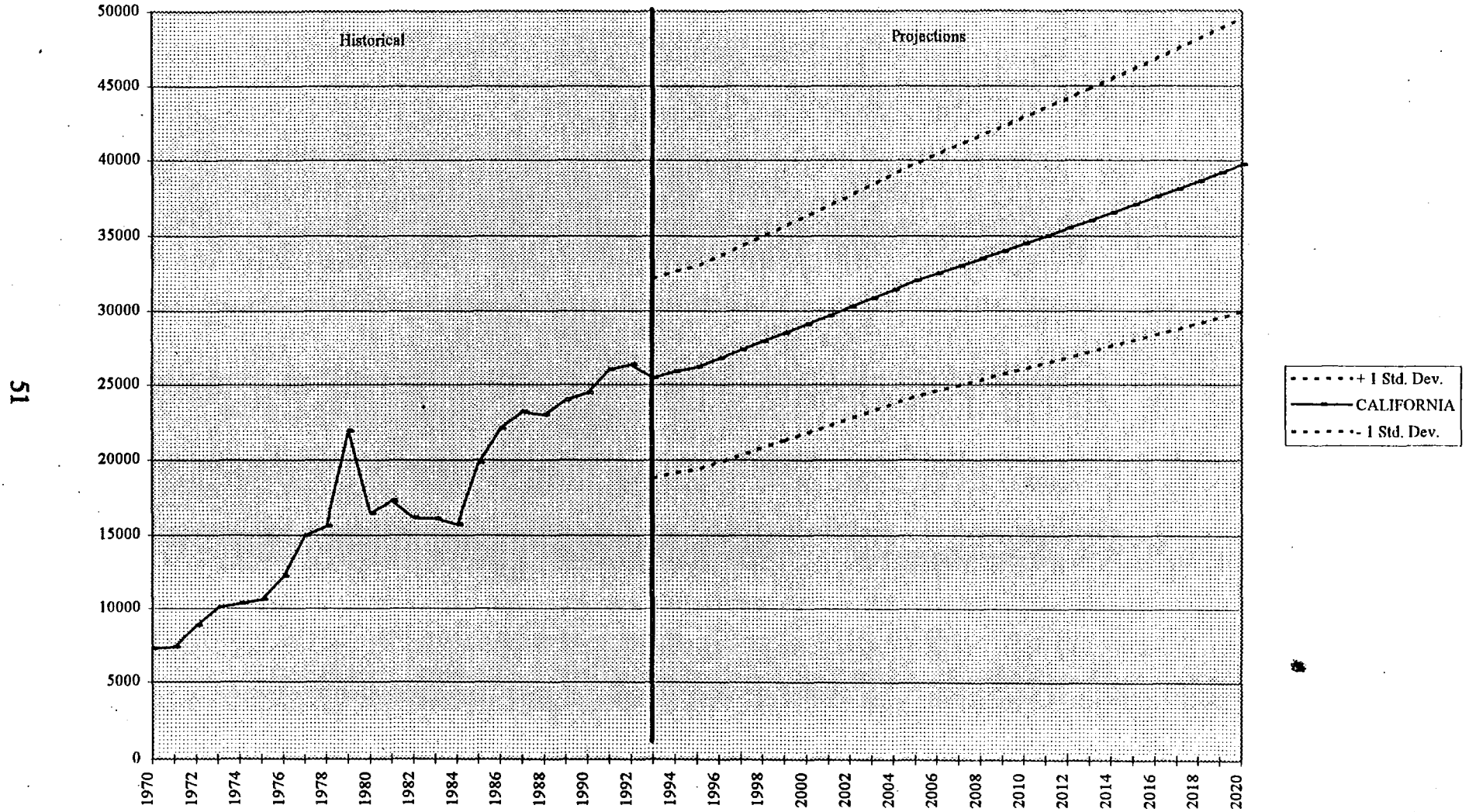
For interpretation of bands, see technical discussion in the appendix.

Figure 2.6.1 - Recreational Vehicle, ATV/Snowmobiles (DMV registrations)



For interpretation of bands, see technical discussion in the appendix.

Figure 2.6.2 - Recreational Vehicles, 4-Wheel Drive (DMV registrations)



2.7 LAWN AND GARDEN EQUIPMENT

Data

The lawn and garden equipment category includes not only the household purchase and use of equipment but also that used by commercial landscaping operations. No time-series data of usable quality are available for lawn and garden equipment sales or usage though a number of sources were discovered to have detailed point-in-time information on the type and use of such equipment. County Business Patterns provide data on employment and sales in landscaping and horticulture industry for the counties and the State. The Census of Agriculture has data on revenues in landscaping and sales for California. These data do not lend themselves to separate estimations for the residential and commercial sector usages.

In the absence of any consistent time-series of equipment use, it was decided to use the number of households as the best proxy for residential use of lawn and garden equipment and to use the nominal(current) value of commercial construction as the measure for commercial activity in this category.

Estimation and Results

The Center for Continuing Study of California Economy (CCSCE) developed the projections for households and construction. The household projections to 2010 were based on CCSCE's model of household formation in which the key determinants are projections of population by county and trends in person per household. All county projections are constrained by regional projections which depend on job growth, population projection by age and ethnic group, and household formation rates by age and ethnic group. Projections for 2010-2020 were developed separately. California projections were based on Department of Finance's population growth projections for 2010-2020 and the assumptions that persons per household would remain at the 2010 level. County projections were prepared by extending the 2000-2010 rate of growth while them by the statewide total household projection.

The construction projections were based on the household growth projections. Data for

1970-1992 were analyzed to determine relationship between household growth and construction levels for the state. The construction data were obtained from the Construction Industry Research Board. The relationship between average construction levels and household growth was used with projections of household growth to project average construction levels. No cycles were included.

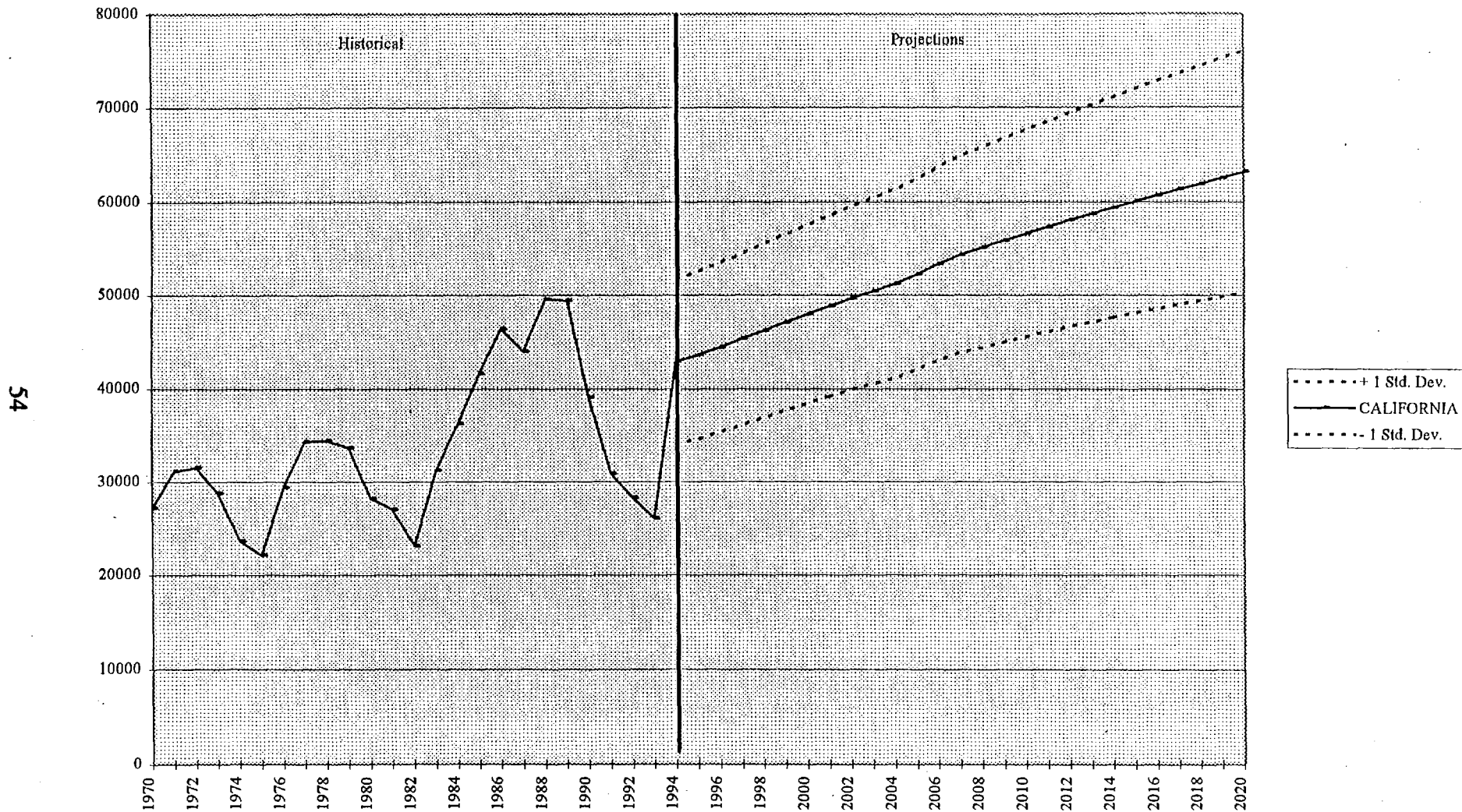
Discussion

The results for lawn and garden equipment are reported in the Figures 2.7.1 and 2.7.2 and Tables 16 and 17. Though there are substantial short-run fluctuations in both the residential and commercial sectors which affect the use of lawn and garden equipment, both sectors have healthy long-term growth prospects. There is also continuing innovation and development activity in the lawn and garden equipment market and the long-term trends are assumed to be similar in that regard.

The five largest counties are Los Angeles, San Diego, Orange, Santa Clara, and San Bernardino and the five smallest are Alpine, Sierra, Modoc, Mono, and Trinity. The county activity patterns are similar to the overall State trends.

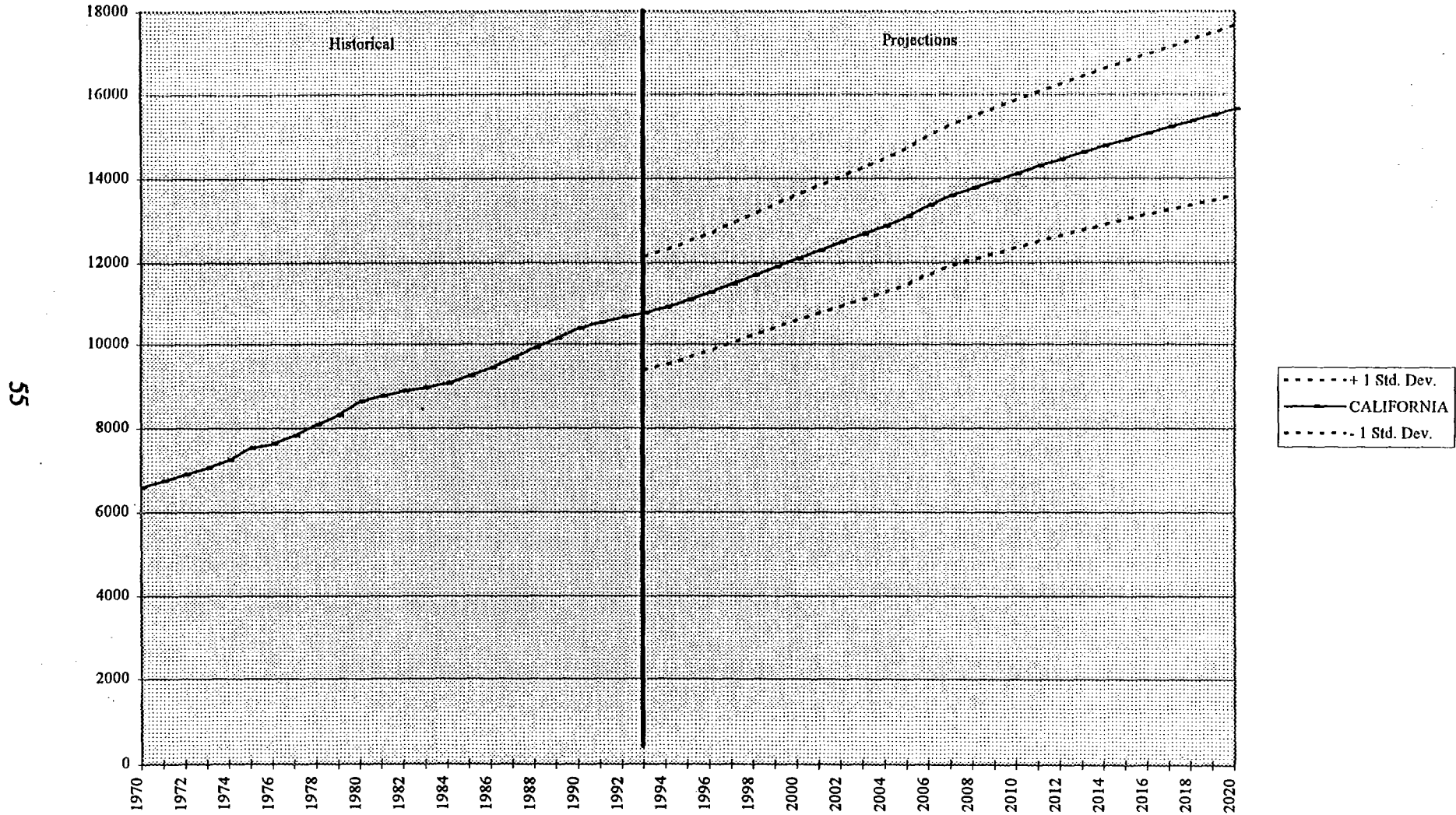
For interpretation of bands, see technical discussion in the appendix.

Figure 2.7.1 - Lawn & Garden Equipment, Commercial ('000\$ Comm. Construction)



For interpretation of bands, see technical discussion in the appendix.

Figure 2.7.2 - Lawn & Garden Equipment, Residential ('000s of Households)



2.8 NON-FARM EQUIPMENT

Data

Non-farm equipment is a composite category that includes the equipment for mining, logging, construction, commercial and industrial material handling, and material handling in transportation (warehousing, aviation, etc). Due to the highly diverse nature of the equipment used and the fact that a number of sectors employ such equipment, the search for an appropriate measure of activity had to be restricted to variables common to these sectors. Time-series data of an aggregate nature whereby equipment used in all of these sectors could be added were not available. Therefore, a search was made for a surrogate variable that could fulfil the conditions for estimation and projection of a broad category of non-farm equipment use.

Employment and output in major non-farm sectors using such equipment were determined to be two such variables that could be used to develop trends in activity. Output data are generally subject to a greater degree of uncertainty than employment since it involves the use of changing prices and product quality to measure the value of output. Employment, on the other hand, is easier to measure and add across sectors and is reported in rather concrete terms (number of employees) and at the geographically detailed county levels. For these reasons employment was chosen as the activity variable for this category.

Estimation and Results

DRI/McGraw-Hill has produced for ARB estimates of employment for the desired period for the following relevant SIC categories:

- Logging (SIC 08)
- Mining (SIC 10)
- Construction (SICs 15, 16, 17)
- Rail Transportation (SIC 40)
- Trucking and Warehousing (SIC 42)
- Water Transportation (SIC 44)
- Air Transportation (SIC 45)

Total employment in these industries was aggregated to design a measure of activity for non-farm equipment category. Such a measure allows for appropriate weighting by size of the individual sectors. The DRI/McGraw-Hill data also provide projections for the

series which are used in this report.

Gasoline-Diesel Breakdown

Complete data on diesel versus gasoline based equipment were not available either for the period or for the geographic areas needed. Partial data, however, are available from various sources on the usage of diesel- versus gasoline-powered equipment. Publications of the U.S. Department of Energy as well as those for the state of California were used to create series of the relative use of the two fuels. Based on the historical trends in their usage, forecasts were developed for the trends in diesel/gasoline usage. These trends were developed using a modified moving average method taking into account the historical and expected changes in the relative use for the two fuels. These trends were used in estimating the diesel versus gasoline split as reported in the end tables.

Discussion

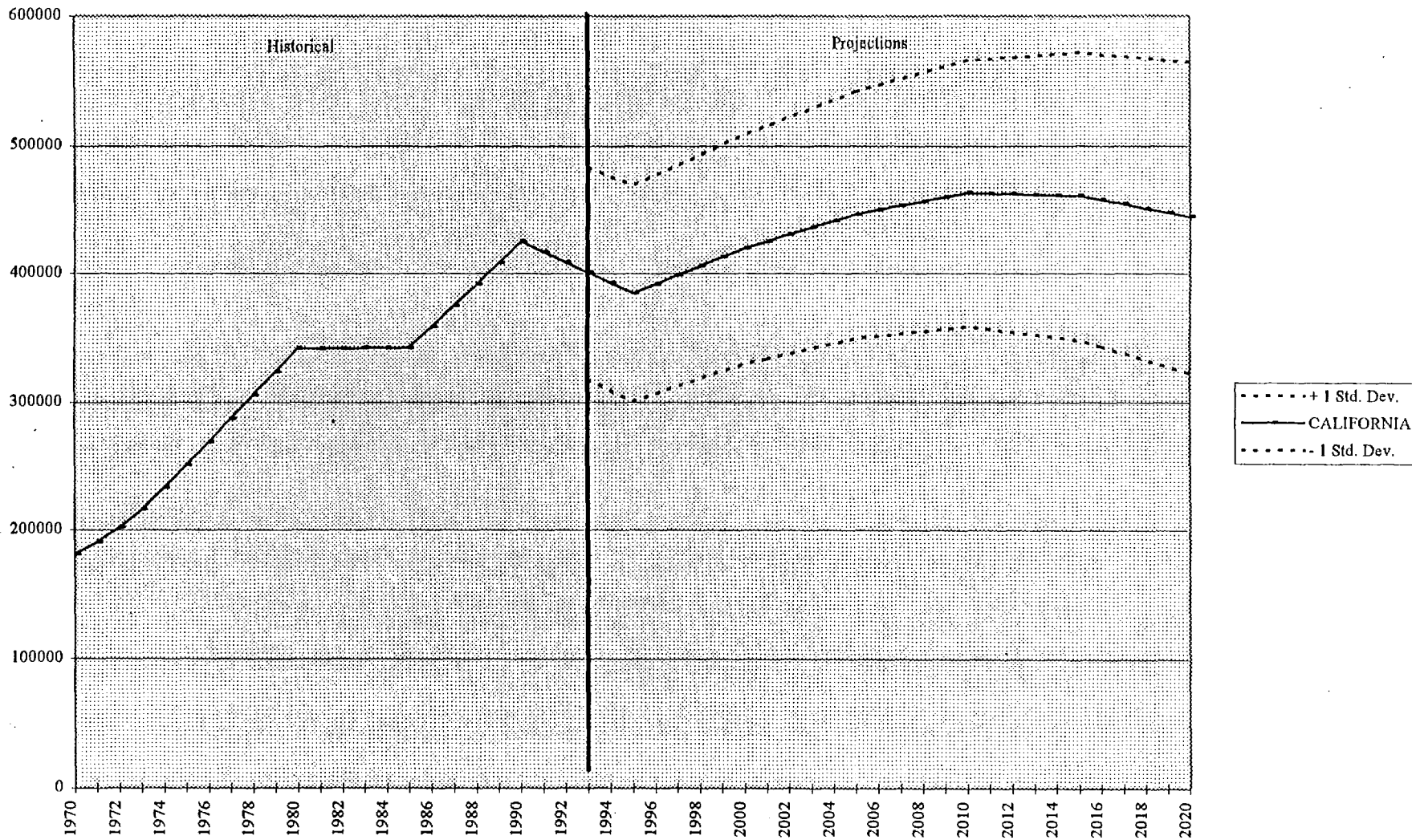
The series for the non-farm equipment subcategories appear in Figures 2.8.1 and 2.8.2 and Tables 18 and 19. These represent highly aggregated and diverse sectors which are closely related to the overall economy. Non-farm equipment is subject to constant innovation and development. Historical data already incorporate these trends and projections have the same trends built in.

The 5 largest counties in this category are Los Angeles, Orange, San Diego, Alameda, and Santa Clara. These counties have relatively large shares of manufacturing activity and/or are major transshipment points, thus have significant material handling operations. They also have had historically high levels of construction. San Francisco county is an anomaly in that it has substantial level of activity in this category, but the level has been declining. This may be due to the shrinking manufacturing base of the county. In addition, new construction is constrained by the unavailability of space.

For interpretation of bands, see technical discussion in the appendix.

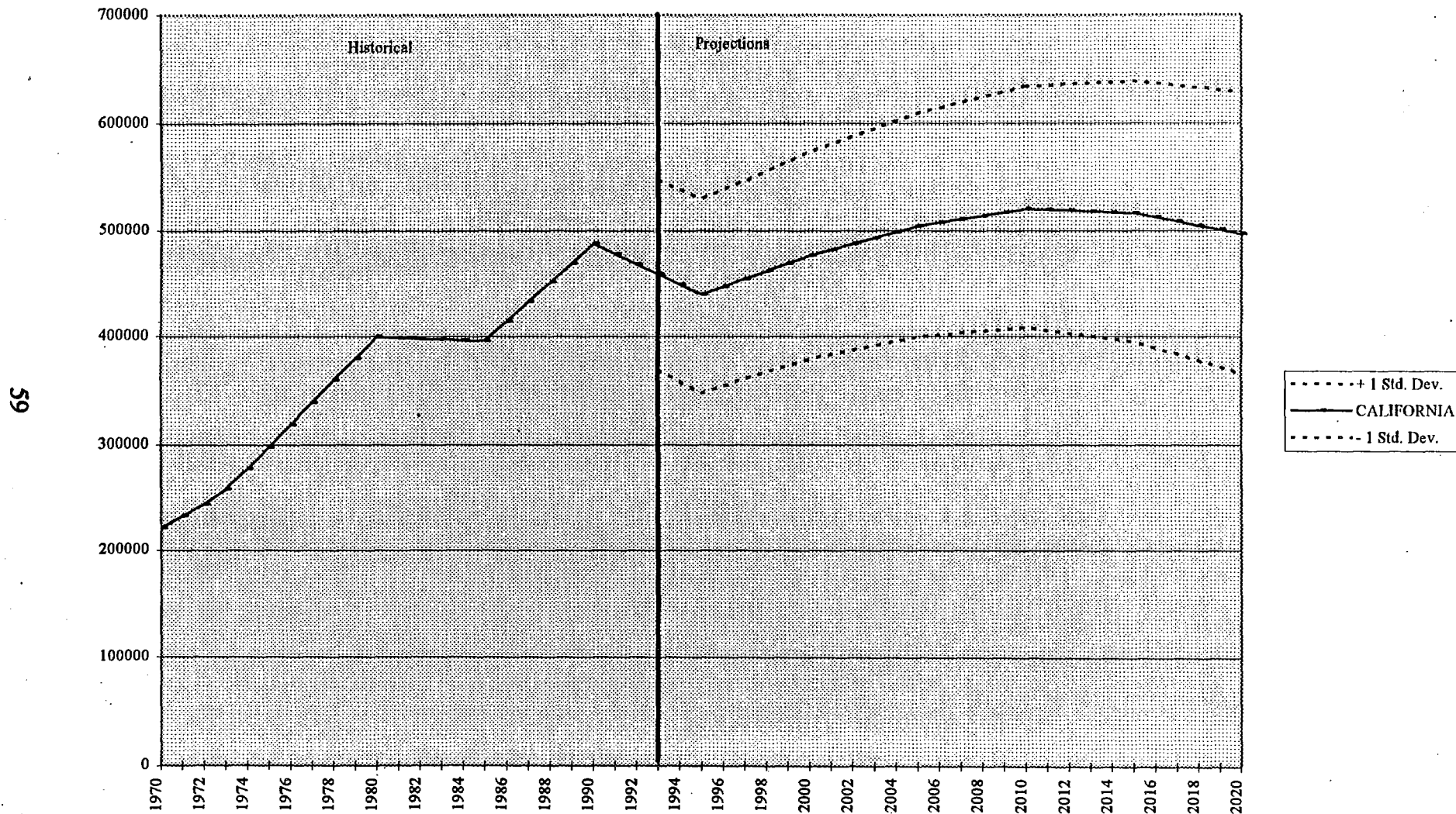
Figure 2.8.1 - Non-farm Equipment, Gasoline (Employment)

85



For interpretation of bands, see technical discussion in the appendix.

Figure 2.8.2 - Non-farm Equipment, Diesel (Employment)



2.9 SHIPS

Data

In the ARB request for proposals, the shipping category is divided into three subcategories: Ships-U.S./Foreign Berthing, U.S./Foreign Transit, and U.S./Foreign Maneuvering. A thorough review of data sources, discussions with port officials from the Marine Exchanges and the U.S. Coast Guard, and an examination of the methodological issues involved led to the conclusion that a key issue limited our ability to estimate activity for each of these subcategories. A single economic activity, namely overall shipping, dictates the level of activity for each of the three subcategories. Unlike a breakdown by freight vs. passenger activity, a breakdown by transit, maneuvering, and berthing is not economically meaningful. Freight and passenger travel are two distinct types of economic activity, while transit, maneuvering, and berthing are all aspects of the same economic activity. In short, while there may be technological distinctions between the subcategories, it is not economically meaningful to separate the overall economic measure into the subcategories. It was decided, therefore, to estimate historical and projected activity for *total* shipping activity.

A number of data sources were consulted but judged inadequate or inappropriate for the scope of work in the category. The 5-year Census of Transportation reports shipping revenues for freight and passenger shipping, but do not provide sufficient detail for estimation at the county level. The Army Corps of Engineers publishes Waterborne Commerce of the United States, which presents freight tonnage and passenger activity by ports, but provides no common unit of measurement for both freight and passenger activity, e.g. revenues, employment. A State publication, California's Transportation Future, presents cargo forecasts for ports from 1990 through 2010.

Shipping makes up a large part of SIC category 44, water transportation. Historical time-series for employment, output, and earnings in this category are available from the BEA and the California Employment Development Department (EDD) by State and for county and/or metropolitan areas. Since the most reliable long-term measure is employment, it was selected as the activity measure for this category.

Estimation and Results

DRI/McGraw-Hill has produced under contract with ARB estimates of employment and output for shipping activity under SIC 44 for the ARB. The DRI/McGraw-Hill employment estimates are used in this report.

Discussion

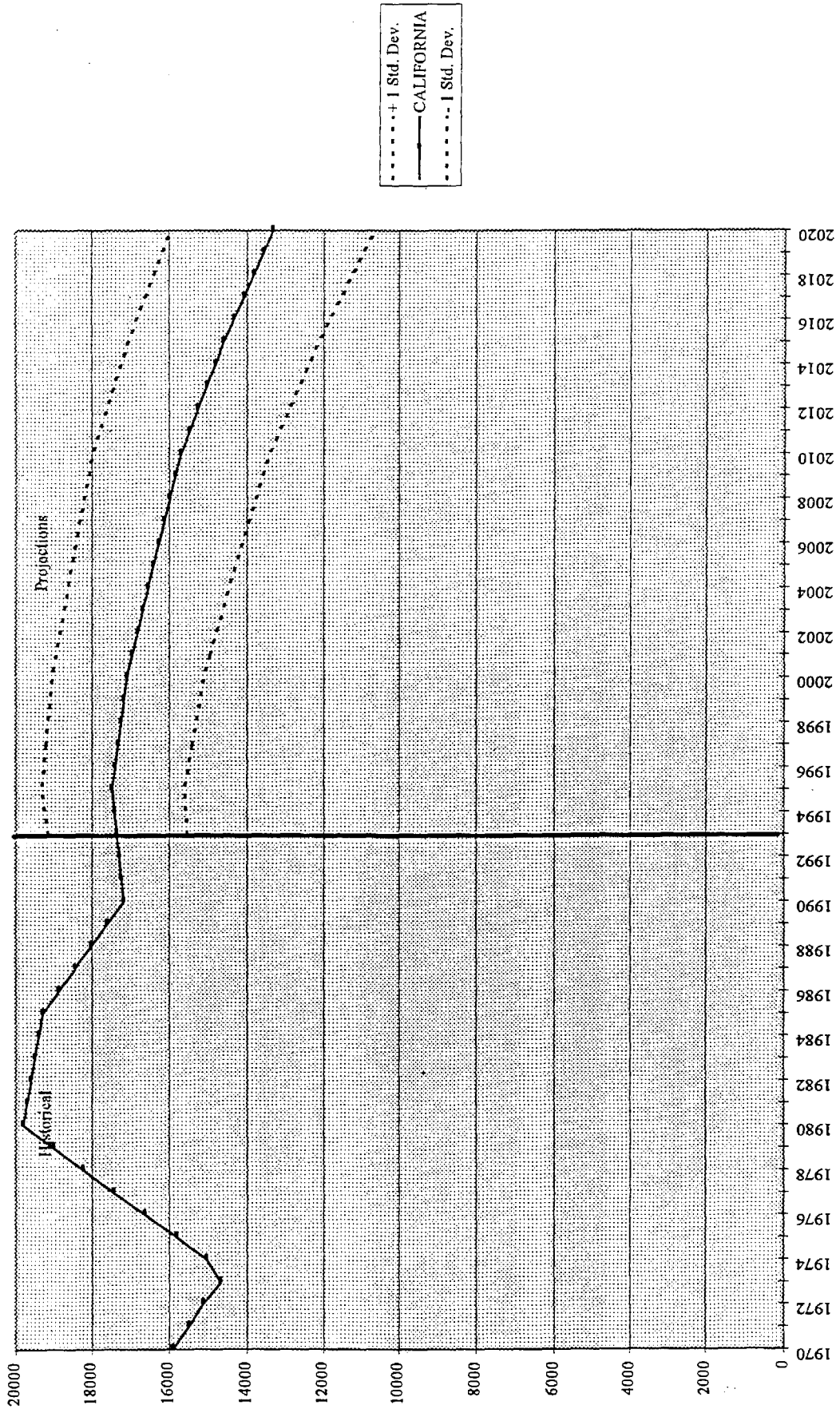
The series for shipping statewide appears in Figure 2.9.1. Table 20 shows the series at both the State and county level. Shipping activity is driven by the general level of economic activity in the U.S. and California, as well as trade between the U.S. and the rest of the world. Shipping employment expanded in the 1970s with the increase in U.S. trade with the rest of the world and peaked in 1980. The employment series exhibits a slowly declining trend after 1980, although there were slight increases in the early 1990s which are expected to continue through 1995.

Given the prospects of increased global trade in the coming years, shipping volume is expected to show gains. However, the size of ships and the technology of shipping has been undergoing substantial changes. The trend towards larger ships and labor-saving innovations has kept down the number of sea-faring vessels and employment in the industry. This historical trend is assumed to continue during the forecast period.

Activity in this category is greatest in Los Angeles county and the Bay Area (San Francisco and Alameda counties). Los Angeles county accounts for about 38 percent of the State's total, followed by San Francisco county with 33 percent, and Alameda county with 14 percent. Activity at the county level is closely associated with statewide activity.

For interpretation of bands, see technical discussion in the appendix.

Figure 2.9.1 - Shipping (Employment)



2.10 LOCOMOTIVES

Data

Locomotive activity is broken down by ARB into two subcategories: hauling and switching/yard operations. A thorough review of data sources, and an examination of the methodological issues involved indicated that a key issue limits our ability to estimate activity for each of these subcategories. A single economic activity, namely overall rail activity, dictates the level of activity for each of the subcategories. In this sense, locomotive activity resembles shipping. Based upon the rationale discussed in the previous section under ships, it was decided, therefore, to estimate historical and projected activity for total locomotive activity.

The Census of Transportation reports revenue, freight tonnage, and number of passengers for Class 1 railroads in California. Transportation Statistics in the United States from the Interstate Commerce Commission reports income, expenses, and fuel use by type of operation (linehaul vs. switching yard) for Class 1 railroads by region in the U.S. Separate data for California are not available, but were included in the figures for the Western region. Neither of these sources offered the county-level details that this study requires. Direct telephone inquiries to discover county-level data from the U.S. Department of Transportation, the U.S. Department of Commerce, and the California Public Utilities Commission were not successful.

Since the railroad sector corresponded directly to SIC category 40, and since employment series and forecasts are generally available for 2-digit SICs, measures of railroad employment were sought. County Business Patterns is generally one of the best sources of sectoral employment data at the county level. However, railroad activity is the only major transportation sector for which employment is not reported. The same is true of the employment series from the EDD.

Estimation and Results

DRI/McGraw-Hill has produced estimates of employment and output for rail activity under SIC 40 for the ARB. The DRI/McGraw-Hill estimates for employment are used in

this report.

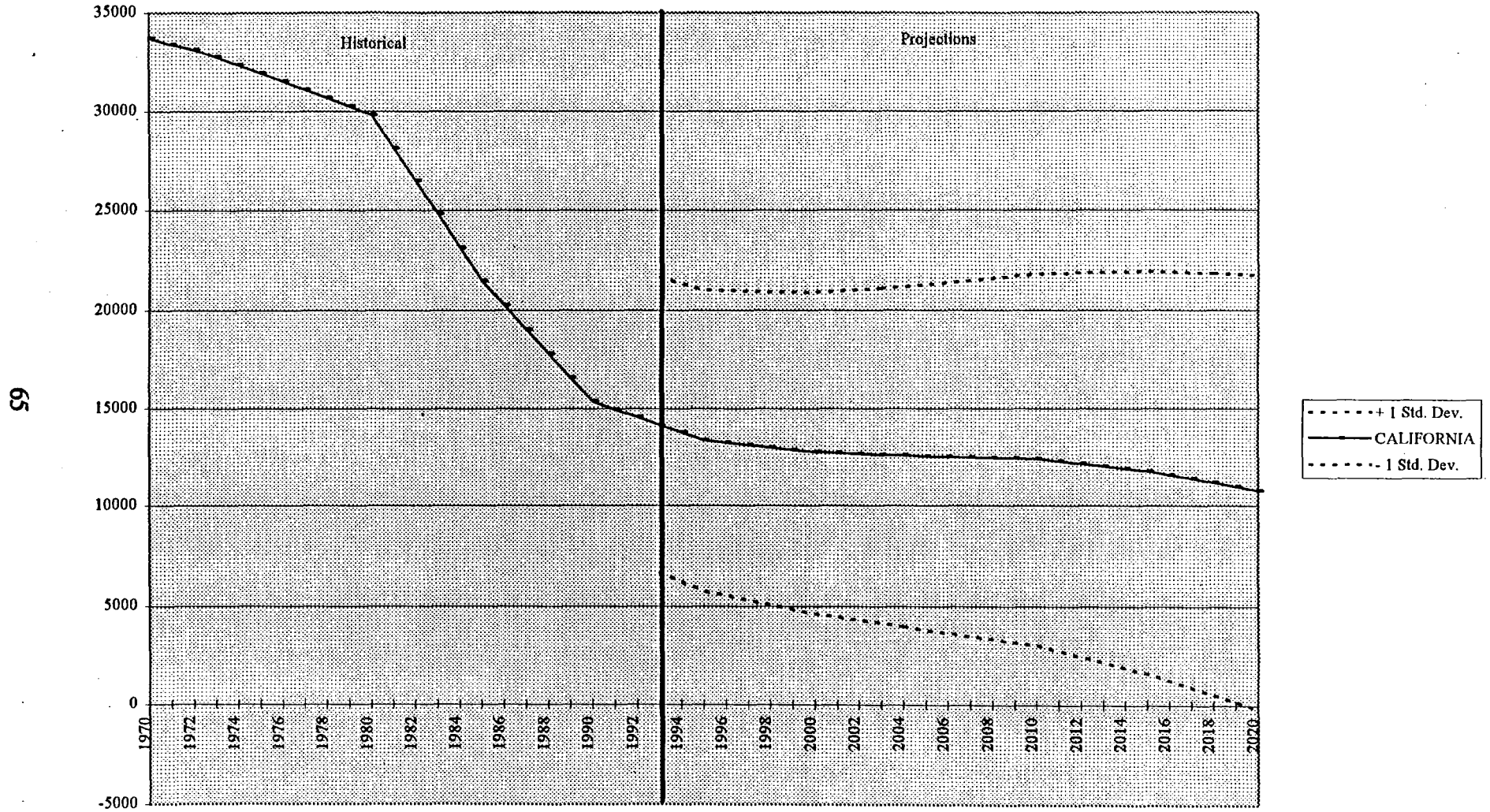
Discussion

Rail employment is shown in Figure 2.10.1 and in Table 21. Although rail activity shows a decline throughout the entire series, the industry suffered a significant decline in the late 1970s and the 1980s as it adjusted to the era of transportation deregulation. The rail industry gave up a sizable share of business to the trucking industry. The sector is expected to decline through the year 2020, but the rate of decline shows some stability beyond 1990.

Most of the State's rail activity is closely tied to shipping activity. Ports in Los Angeles, San Francisco, and Alameda county are transshipment points where foodstuffs, manufactured and processed goods, and materials are transferred from one mode of travel to the other, for eventual shipment overseas or for overland movement to locations in California and North America. Railyard activity is greatest in these counties. A moderate amount of activity occurs in adjacent counties which may also have smaller rail yards. Counties with low levels of activity generally have linehaul and spur operations.

For interpretation of bands, see technical discussion in the appendix.

Figure 2.10.1 - Locomotive (Employment)



3.0 SUMMARY AND CONCLUSIONS

This report presents estimates and projections for 21 categories of non-road mobile sources of pollution in California and its 58 counties. The categories include: farm equipment, aircraft, locomotives, ships, commercial and recreational boats, lawn and garden equipment, off-highway recreational motor vehicles, and non-farm equipment. Accurate forecasts of long-term trends for each of these categories are essential to the accurate forecast of emissions and control measure effectiveness.

The categories studied clearly encompass a wide variety of activities from household oriented recreational activities to major commercial, industrial, and transportation sectors. Moreover, a series for each category was required at the county-level for a lengthy 50-year time span. With these considerations in mind, an exhaustive search for data was undertaken. Because of the variety of categories, diverse data sources were consulted.

For each activity, an individualized statistical model was developed based upon the nature of the historical time-series and underlying causal variables. The projections should be viewed as long-term trends which are driven by economic and demographic variables such as annual personal income, employment, and population, and do not capture short-term fluctuations in activity. In the absence of any special knowledge for alternative assumptions, long-term historical trends in product innovation, fuel consumption, and technological change were assumed to continue for the projected period. In spite of short-run downswings, the long-run projections for key economic variables all exhibit positive growth.

Categories showing trend increase include civil aviation, recreational activities, and residential lawn and garden activity, all of which are fundamentally driven by population growth and increases in real personal income. Industrial and transportation categories show modest growth or decline in the long-term. These categories are driven by State, national, and worldwide economic growth, the ongoing transformation of the economy from manufacturing-based activities to service-based activities. Finally, the slowdown in military aviation is the result of the Cold War's end.

4.0 RECOMMENDATIONS

This report represents the culmination of an ambitious effort to develop series for the 21 non-road categories. The geographic detail and time period requirements for data in each individual category were extensive, while the availability of such data was limited.

Indeed, this study should be viewed as an initial, yet comprehensive, attempt to develop projections for the 21 non-road mobile categories. The IEES recommends that the projections be updated at regular intervals, preferably category by category or by functional groupings of categories. It is suggested that special projects be developed which call for the in-depth analysis of specific categories, a detailed understanding of the sector under study, and, ideally, the use of a bottom-up approach to activity estimation.

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GLOSSARY OF TERMS, ABBREVIATIONS, AND SYMBOLS

APCD - Air Pollution Control District
AQMD - Air Quality Management District
AR - autoregressive time series analysis
ARB - California Air Resources Board
ARIMA - autoregressive integrative moving averages method of time series analysis
ATV - all-terrain vehicle
BEA - Bureau of Economic Analysis, U.S. Department of Commerce
DMV - California Department of Motor Vehicles
EDD - Employment Development Department, State of California
FAA - Federal Aviation Administration, U.S. Department of Transportation
Flight operations - takeoffs and landings by aircraft
FWD - four-wheel drive off-highway vehicle
GDP - Gross Domestic Product
Gross Domestic Product - value of output produced in the economy over a certain time period, usually a year.
MA - moving average method of time series analysis
MIC - Motorcycle Industry Council
MTC - Off-highway motorcycle
OHMVR - Off-Highway Motor Vehicle Recreation Division, California Department of Parks and Recreation
OHV - off-highway recreational motor vehicle other than an all-terrain vehicle
Per Capita Income - personal income divided by population
Personal Income - the sum of earned income, unearned income, and transfer payments to households
SIC - Standard Industrial Classification
SRVA - state recreational vehicle area
Standard Industrial Classification - U.S. Government numerical classification scheme for economic activity. Most official economic data are reported by SIC.
USDA - U.S. Department of Agriculture

APPENDIX A - DATA TABLES

**Table 1 - Farm Equipment,
Gasoline (Millions in
1977\$)**

	1970	1971	1972	1973	1974	1975
CALIFORNIA	111.03	110.35	105.42	110.52	114.35	158.04
ALAMEDA	1.10	1.07	1.01	1.05	1.08	1.59
ALPINE	0.00	0.00	0.00	0.00	0.00	0.00
AMADOR	0.14	0.13	0.12	0.12	0.12	0.16
BUTTE	2.25	2.23	2.12	2.22	2.29	3.15
CALAVERAS	0.15	0.13	0.13	0.12	0.11	0.15
COLUSA	2.07	2.03	1.92	2.00	2.06	2.72
CONTRA COSTA	0.99	0.94	0.86	0.87	0.87	1.23
DEL NORTE	0.18	0.20	0.20	0.23	0.25	0.22
EL DORADO	0.23	0.21	0.18	0.18	0.17	0.20
FRESNO	11.70	11.82	11.42	12.09	12.60	16.85
GLENN	1.91	1.94	1.89	2.00	2.10	2.70
HUMBOLDT	0.61	0.56	0.50	0.49	0.48	0.62
IMPERIAL	4.72	4.86	4.78	5.12	5.39	6.25
INYO	0.12	0.11	0.10	0.10	0.10	0.12
KERN	8.60	8.77	8.55	9.10	9.54	13.15
KINGS	3.90	4.10	4.08	4.41	4.69	6.64
LAKE	0.46	0.44	0.41	0.41	0.42	0.44
LASSEN	0.39	0.37	0.33	0.33	0.33	0.46
LOS ANGELES	2.19	1.94	1.69	1.62	1.56	2.47
MADERA	2.59	2.56	2.44	2.54	2.63	3.62
MARIN	0.29	0.27	0.25	0.25	0.25	0.33
MARIPOSA	0.13	0.12	0.11	0.11	0.11	0.11
MENDOCINO	0.67	0.62	0.55	0.55	0.55	0.74
MERCED	4.90	5.12	5.08	5.48	5.80	8.20
MODOC	0.91	0.87	0.80	0.81	0.82	1.10
MONO	0.00	0.00	0.00	0.07	0.07	0.10
MONTEREY	4.33	4.47	4.40	4.71	4.96	7.92
NAPA	0.52	0.50	0.47	0.48	0.49	0.49
NEVADA	0.00	0.00	0.00	0.00	0.00	0.07
ORANGE	1.20	1.17	1.10	1.14	1.17	1.52
PLACER	0.57	0.52	0.45	0.44	0.43	0.59
PLUMAS	0.12	0.12	0.11	0.12	0.12	0.11
RIVERSIDE	3.58	3.54	3.37	3.52	3.64	5.03
SACRAMENTO	2.04	2.07	2.01	2.14	2.24	2.99
SAN BENITO	0.93	0.89	0.82	0.83	0.84	1.12
SAN BERNARDINO	2.00	1.90	1.76	1.79	1.81	2.41
SAN DIEGO	2.59	2.57	2.45	2.56	2.65	4.25
SAN FRANCISCO	0.00	0.00	0.00	0.00	0.00	0.00
SAN JOAQUIN	6.12	6.06	5.77	6.03	6.23	8.47
SAN LUIS OBISPO	1.79	1.69	1.55	1.57	1.58	2.11
SAN MATEO	0.70	0.71	0.69	0.74	0.78	1.56
SANTA BARBARA	1.84	1.80	1.71	1.78	1.83	2.66
SANTA CLARA	2.21	2.01	1.79	1.77	1.73	2.62
SANTA CRUZ	0.78	0.76	0.72	0.75	0.77	1.41
SHASTA	0.44	0.41	0.36	0.36	0.36	0.46
SIERRA	0.00	0.00	0.00	0.00	0.00	0.05
SISKIYOU	1.01	0.96	0.89	0.90	0.92	1.26
SOLANO	1.67	1.71	1.67	1.78	1.87	2.37
SONOMA	1.92	1.80	1.64	1.65	1.65	2.32
STANISLAUS	4.97	4.78	4.45	4.56	4.63	6.24
SUTTER	2.64	2.62	2.50	2.62	2.71	4.29
TEHAMA	1.01	0.95	0.88	0.89	0.89	1.32
TRINITY	0.00	0.00	0.00	0.00	0.00	0.05
TULARE	8.25	8.12	7.70	8.01	8.25	11.11
TUOLUMNE	0.10	0.09	0.08	0.07	0.07	0.08
VENTURA	2.46	2.48	2.39	2.53	2.63	3.74
YOLO	3.28	3.44	3.43	3.71	3.94	4.94
YUBA	0.82	0.80	0.75	0.78	0.79	1.14

**Table 1 - Farm Equipment,
Gasoline (Millions in
1977\$)**

	1976	1977	1978	1979	1980	1981
CALIFORNIA	195.07	217.98	235.13	207.50	197.24	177.02
ALAMEDA	2.03	2.33	2.50	1.92	1.60	1.24
ALPINE	0.00	0.00	0.00	0.00	0.00	0.00
AMADOR	0.20	0.22	0.23	0.14	0.10	0.12
BUTTE	3.87	4.33	4.58	4.09	3.65	3.52
CALAVERAS	0.17	0.15	0.15	0.13	0.10	0.12
COLUSA	3.29	3.62	3.88	3.29	3.03	2.49
CONTRA COSTA	1.52	1.71	1.82	1.50	1.34	1.12
DEL NORTE	0.27	0.27	0.30	0.21	0.14	0.12
EL DORADO	0.19	0.24	0.25	0.21	0.17	0.20
FRESNO	20.40	22.58	23.73	21.77	21.43	19.58
GLENN	3.20	3.49	3.63	3.18	3.02	2.57
HUMBOLDT	0.73	0.79	0.82	0.76	0.76	0.70
IMPERIAL	7.60	6.99	9.82	7.50	6.19	4.77
INYO	0.14	0.10	0.15	0.15	0.15	0.15
KERN	16.18	18.09	19.16	19.16	20.12	19.31
KINGS	8.29	9.35	9.96	8.60	8.05	7.04
LAKE	0.47	0.50	0.76	0.62	0.48	0.50
LASSEN	0.57	0.64	0.68	0.66	0.68	0.65
LOS ANGELES	3.25	3.79	4.12	3.43	3.10	2.63
MADERA	4.45	4.98	5.27	5.20	5.40	5.15
MARIN	0.40	0.44	0.46	0.47	0.49	0.47
MARIPOSA	0.11	0.09	0.12	0.12	0.10	0.10
MENDOCINO	0.89	0.99	1.05	0.90	0.63	0.72
MERCED	10.24	11.54	12.30	10.78	10.22	9.04
MODOC	1.34	1.48	1.56	1.34	1.24	1.08
MONO	0.12	0.13	0.15	0.16	0.17	0.17
MONTEREY	10.47	12.21	13.30	11.61	10.97	10.36
NAPA	0.60	1.01	1.25	1.02	0.91	0.76
NEVADA	0.09	0.09	0.11	0.08	0.08	0.10
ORANGE	1.81	1.98	2.07	1.76	1.62	1.55
PLACER	0.70	0.70	0.86	0.67	0.59	0.51
PLUMAS	0.11	0.13	0.16	0.16	0.12	0.11
RIVERSIDE	6.20	6.95	7.36	6.53	6.26	5.58
SACRAMENTO	3.61	3.99	4.19	3.56	3.29	2.84
SAN BENITO	1.03	1.35	1.68	1.46	1.37	1.20
SAN BERNARDINO	2.91	3.21	3.37	3.42	3.62	3.50
SAN DIEGO	5.64	6.59	7.18	6.31	5.99	5.31
SAN FRANCISCO	0.00	0.00	0.00	0.00	0.00	0.00
SAN JOAQUIN	10.35	11.52	12.16	10.54	9.89	8.68
SAN LUIS OBISPO	2.56	2.84	2.99	2.64	2.52	2.25
SAN MATEO	2.26	2.75	3.08	2.34	1.93	1.60
SANTA BARBARA	3.37	3.84	4.11	3.63	3.46	3.08
SANTA CLARA	3.37	3.88	4.19	3.49	3.15	2.67
SANTA CRUZ	1.97	2.37	2.63	2.19	1.99	1.69
SHASTA	0.54	0.59	0.61	0.60	0.62	0.58
SIERRA	0.06	0.06	0.08	0.08	0.06	0.06
SISKIYOU	1.55	1.73	1.83	1.66	1.62	1.47
SOLANO	2.78	3.01	3.12	2.66	2.46	2.13
SONOMA	2.76	3.25	3.52	3.04	2.85	2.49
STANISLAUS	7.59	8.42	8.87	7.70	7.25	6.37
SUTTER	5.64	6.57	7.15	5.67	4.88	3.94
TEHAMA	1.68	1.92	2.06	1.78	1.67	1.46
TRINITY	0.06	0.00	0.08	0.06	0.05	0.04
TULARE	13.50	14.98	15.78	14.55	14.39	13.20
TUOLUMNE	0.07	0.08	0.10	0.08	0.07	0.08
VENTURA	4.68	5.28	5.63	4.92	4.65	4.19
YOLO	5.76	6.22	6.42	5.38	4.90	4.17
YUBA	1.43	1.62	1.74	1.62	1.62	1.50

**Table 1 - Farm Equipment,
Gasoline (Millions in
1977\$)**

	1982	1983	1984	1985	1986	1987
CALIFORNIA	151.59	147.77	151.73	135.75	140.12	130.12
ALAMEDA	0.93	0.92	0.96	0.87	0.91	0.87
ALPINE	0.00	0.00	0.00	0.00	0.00	0.00
AMADOR	0.09	0.11	0.13	0.14	0.17	0.19
BUTTE	2.71	2.53	2.64	2.31	2.32	2.10
CALAVERAS	0.09	0.11	0.13	0.14	0.17	0.18
COLUSA	2.12	2.10	2.35	2.29	2.35	2.31
CONTRA COSTA	0.91	0.90	0.94	0.85	0.88	0.84
DEL NORTE	0.07	0.08	0.08	0.08	0.09	0.09
EL DORADO	0.17	0.17	0.18	0.17	0.18	0.18
FRESNO	17.18	16.69	17.46	15.72	16.29	15.37
GLENN	2.28	2.22	2.26	2.00	2.04	1.88
HUMBOLDT	0.62	0.61	0.63	0.56	0.58	0.55
IMPERIAL	3.54	3.99	4.43	4.45	5.08	5.63
INYO	0.14	0.13	0.13	0.11	0.11	0.10
KERN	17.63	16.43	15.86	13.17	12.95	10.17
KINGS	5.95	5.63	5.86	5.18	5.25	4.82
LAKE	0.41	0.37	0.42	0.39	0.40	0.39
LASSEN	0.59	0.56	0.56	0.49	0.49	0.44
LOS ANGELES	2.16	2.05	2.03	1.74	1.70	1.49
MADERA	4.68	4.13	4.22	3.43	3.30	2.73
MARIN	0.43	0.43	0.44	0.39	0.40	0.38
MARIPOSA	0.08	0.09	0.11	0.11	0.13	0.14
MENDOCINO	0.61	0.53	0.63	0.58	0.61	0.59
MERCED	7.72	7.27	7.50	6.58	6.60	5.98
MODOC	0.91	0.87	0.87	0.76	0.75	0.67
MONO	0.16	0.16	0.16	0.14	0.14	0.13
MONTEREY	8.77	9.09	8.67	7.69	7.82	7.21
NAPA	0.61	0.63	0.68	0.65	0.71	0.71
NEVADA	0.08	0.08	0.09	0.09	0.09	0.09
ORANGE	1.29	1.36	1.51	1.47	1.65	1.70
PLACER	0.41	0.43	0.47	0.46	0.51	0.52
PLUMAS	0.09	0.11	0.13	0.13	0.16	0.17
RIVERSIDE	4.80	4.74	4.91	4.44	4.62	4.38
SACRAMENTO	2.37	2.32	2.39	2.14	2.21	2.07
SAN BENITO	1.02	1.02	1.07	0.99	1.05	1.02
SAN BERNARDINO	3.21	3.03	2.97	2.52	2.42	2.08
SAN DIEGO	4.54	4.58	4.86	4.51	4.84	4.74
SAN FRANCISCO	0.00	0.00	0.00	0.00	0.00	0.00
SAN JOAQUIN	7.35	7.09	7.46	6.71	6.95	6.55
SAN LUIS OBISPO	1.93	2.12	2.02	1.85	1.96	1.90
SAN MATEO	1.22	1.25	1.36	1.29	1.41	1.42
SANTA BARBARA	2.64	2.62	2.73	2.49	2.62	2.51
SANTA CLARA	2.20	2.10	2.09	1.81	1.79	1.59
SANTA CRUZ	1.39	1.52	1.76	1.77	2.06	2.19
SHASTA	0.53	0.51	0.52	0.46	0.46	0.43
SIERRA	0.05	0.05	0.05	0.04	0.04	0.04
SISKIYOU	1.28	1.21	1.20	1.03	1.00	0.87
SOLANO	1.78	1.73	1.75	1.54	1.56	1.43
SONOMA	2.10	2.08	2.16	1.97	2.05	1.96
STANISLAUS	5.40	5.27	5.74	5.47	5.67	5.52
SUTTER	3.08	3.07	3.22	2.95	3.12	3.01
TEHAMA	1.24	1.20	1.21	1.06	1.07	0.98
TRINITY	0.03	0.03	0.03	0.03	0.04	0.04
TULARE	11.62	11.26	11.21	9.89	10.12	9.32
TUOLUMNE	0.06	0.07	0.08	0.09	0.10	0.11
VENTURA	3.56	3.60	3.82	3.55	4.13	3.74
YOLO	3.44	3.34	3.40	3.00	3.05	2.80
YUBA	1.33	1.19	1.20	1.00	0.93	0.77

**Table 1 - Farm Equipment,
Gasoline (Millions in
1977\$)**

	1988	1989	1990	1991	1992	1993
CALIFORNIA	130.13	125.19	139.48	139.72	143.92	142.65
ALAMEDA	0.87	0.83	0.93	0.93	0.96	0.95
ALPINE	0.00	0.00	0.00	0.00	0.00	0.00
AMADOR	0.19	0.18	0.21	0.21	0.21	0.21
BUTTE	2.10	2.01	2.26	2.27	2.33	2.31
CALAVERAS	0.18	0.18	0.20	0.20	0.20	0.20
COLUSA	2.55	2.94	2.85	2.73	2.90	2.95
CONTRA COSTA	0.84	0.81	0.90	0.90	0.93	0.92
DEL NORTE	0.09	0.09	0.10	0.10	0.10	0.10
EL DORADO	0.18	0.17	0.19	0.19	0.20	0.19
FRESNO	15.36	14.72	16.52	16.55	17.02	16.87
GLENN	1.88	1.80	2.02	2.02	2.08	2.06
HUMBOLDT	0.55	0.52	0.59	0.59	0.61	0.60
IMPERIAL	5.62	5.40	5.94	5.89	6.17	6.11
INYO	0.10	0.09	0.10	0.10	0.11	0.11
KERN	10.16	9.74	10.93	10.17	11.10	10.97
KINGS	4.61	4.62	5.18	5.19	5.29	5.24
LAKE	0.39	0.37	0.41	0.42	0.43	0.42
LASSEN	0.44	0.42	0.47	0.48	0.49	0.48
LOS ANGELES	1.49	1.43	1.22	1.19	1.32	1.27
MADERA	2.73	2.62	2.94	2.94	3.03	3.00
MARIN	0.38	0.36	0.41	0.41	0.42	0.42
MARIPOSA	0.14	0.14	0.16	0.16	0.16	0.16
MENDOCINO	0.59	0.56	0.63	0.63	0.65	0.64
MERCED	5.87	5.69	6.34	6.36	6.56	6.49
MODOC	0.67	0.64	0.72	0.72	0.74	0.73
MONO	0.13	0.12	0.14	0.14	0.14	0.14
MONTEREY	7.21	6.91	7.85	7.77	8.01	7.94
NAPA	0.71	0.79	0.76	0.98	0.86	0.86
NEVADA	0.09	0.09	0.07	0.07	0.09	0.09
ORANGE	1.70	1.63	1.83	1.83	1.88	1.86
PLACER	0.52	0.50	0.56	0.56	0.57	0.57
PLUMAS	0.17	0.16	0.18	0.18	0.19	0.19
RIVERSIDE	4.49	4.20	4.71	4.59	4.85	4.81
SACRAMENTO	2.07	1.98	2.23	2.23	2.29	2.27
SAN BENITO	1.02	0.98	1.10	1.10	1.13	1.12
SAN BERNARDINO	2.08	2.00	2.24	2.24	2.31	2.29
SAN DIEGO	4.74	4.54	5.33	5.52	5.38	5.36
SAN FRANCISCO	0.00	0.00	0.00	0.00	0.00	0.00
SAN JOAQUIN	6.54	6.27	7.04	7.05	7.25	7.19
SAN LUIS OBISPO	1.89	1.81	2.04	2.04	2.10	2.08
SAN MATEO	1.42	1.36	1.52	1.53	1.57	1.56
SANTA BARBARA	2.51	2.40	2.70	2.70	2.78	2.75
SANTA CLARA	1.52	1.45	1.40	1.40	1.60	1.55
SANTA CRUZ	2.19	2.10	2.36	2.36	2.43	2.41
SHASTA	0.43	0.41	0.46	0.46	0.47	0.47
SIERRA	0.03	0.03	0.04	0.04	0.04	0.04
SISKIYOU	0.87	0.84	0.94	0.94	0.97	0.96
SOLANO	1.43	1.37	1.54	1.54	1.59	1.57
SONOMA	1.96	1.88	2.11	2.32	2.21	2.20
STANISLAUS	5.52	5.18	5.97	6.05	6.12	6.07
SUTTER	3.01	2.97	2.91	3.39	3.32	3.29
TEHAMA	0.98	0.94	1.05	1.05	1.08	1.07
TRINITY	0.04	0.04	0.04	0.04	0.04	0.04
TULARE	9.31	8.61	10.20	10.04	10.29	10.19
TUOLUMNE	0.11	0.11	0.12	0.12	0.12	0.12
VENTURA	3.93	3.76	4.10	4.19	4.28	4.26
YOLO	2.80	2.69	3.01	3.02	3.11	3.08
YUBA	0.77	0.74	0.72	0.88	0.84	0.83

**Table 1 - Farm Equipment,
Gasoline (Millions in
1977\$)**

	1994	1995	1996	1997	1998	1999
CALIFORNIA	143.15	143.94	146.19	148.67	150.95	152.72
ALAMEDA	0.96	0.96	0.98	0.99	1.01	1.02
ALPINE	0.00	0.00	0.00	0.00	0.00	0.00
AMADOR	0.21	0.21	0.22	0.22	0.22	0.23
BUTTE	2.32	2.33	2.37	2.41	2.44	2.47
CALAVERAS	0.20	0.20	0.21	0.21	0.21	0.22
COLUSA	2.99	2.93	2.97	3.04	3.10	3.13
CONTRA COSTA	0.93	0.93	0.95	0.96	0.98	0.99
DEL NORTE	0.10	0.10	0.10	0.10	0.10	0.11
EL DORADO	0.19	0.20	0.20	0.20	0.21	0.21
FRESNO	16.93	17.03	17.30	17.59	17.86	18.07
GLENN	2.07	2.08	2.11	2.15	2.18	2.21
HUMBOLDT	0.60	0.61	0.62	0.63	0.64	0.64
IMPERIAL	6.12	6.14	6.23	6.36	6.45	6.52
INYO	0.11	0.11	0.11	0.11	0.11	0.11
KERN	10.97	10.99	11.11	11.39	11.55	11.67
KINGS	5.29	5.32	5.39	5.48	5.56	5.63
LAKE	0.43	0.43	0.43	0.44	0.45	0.45
LASSEN	0.49	0.49	0.50	0.51	0.51	0.52
LOS ANGELES	1.27	1.28	1.30	1.32	1.34	1.36
MADERA	3.01	3.03	3.08	3.13	3.18	3.21
MARIN	0.42	0.42	0.43	0.44	0.44	0.45
MARIPOSA	0.16	0.16	0.16	0.17	0.17	0.17
MENDOCINO	0.65	0.65	0.66	0.67	0.68	0.69
MERCED	6.52	6.55	6.65	6.77	6.87	6.95
MODOC	0.73	0.74	0.75	0.76	0.77	0.78
MONO	0.14	0.14	0.15	0.15	0.15	0.15
MONTEREY	7.97	8.03	8.14	8.28	8.41	8.51
NAPA	0.88	0.88	0.91	0.91	0.93	0.94
NEVADA	0.09	0.08	0.09	0.09	0.09	0.09
ORANGE	1.87	1.88	1.91	1.94	1.97	2.00
PLACER	0.57	0.57	0.58	0.59	0.60	0.61
PLUMAS	0.19	0.19	0.19	0.19	0.20	0.20
RIVERSIDE	4.80	4.82	4.89	4.99	5.06	5.12
SACRAMENTO	2.28	2.29	2.33	2.37	2.41	2.43
SAN BENITO	1.12	1.13	1.15	1.17	1.18	1.20
SAN BERNARDINO	2.30	2.31	2.35	2.38	2.42	2.45
SAN DIEGO	5.41	5.49	5.57	5.62	5.72	5.80
SAN FRANCISCO	0.00	0.00	0.00	0.00	0.00	0.00
SAN JOAQUIN	7.21	7.26	7.37	7.49	7.61	7.70
SAN LUIS OBISPO	2.09	2.10	2.13	2.17	2.20	2.23
SAN MATEO	1.56	1.57	1.60	1.62	1.65	1.67
SANTA BARBARA	2.76	2.78	2.82	2.87	2.91	2.95
SANTA CLARA	1.54	1.52	1.56	1.60	1.62	1.63
SANTA CRUZ	2.41	2.43	2.47	2.51	2.55	2.58
SHASTA	0.47	0.47	0.48	0.49	0.50	0.50
SIERRA	0.04	0.04	0.04	0.04	0.04	0.04
SISKIYOU	0.96	0.97	0.98	1.00	1.02	1.03
SOLANO	1.58	1.59	1.61	1.64	1.67	1.68
SONOMA	2.22	2.24	2.29	2.31	2.35	2.38
STANISLAUS	6.09	6.15	6.25	6.33	6.43	6.51
SUTTER	3.29	3.29	3.40	3.42	3.48	3.52
TEHAMA	1.08	1.08	1.10	1.12	1.14	1.15
TRINITY	0.04	0.04	0.04	0.04	0.05	0.05
TULARE	10.22	10.34	10.47	10.64	10.80	10.93
TUOLUMNE	0.12	0.12	0.13	0.13	0.13	0.13
VENTURA	4.27	4.28	4.36	4.43	4.50	4.55
YOLO	3.09	3.11	3.16	3.21	3.26	3.30
YUBA	0.83	0.83	0.87	0.87	0.88	0.89

**Table 1 - Farm Equipment,
Gasoline (Millions in
1977\$)**

	2000	2001	2002	2003	2004	2005
CALIFORNIA	154.21	155.60	157.07	158.64	160.26	161.89
ALAMEDA	1.03	1.04	1.05	1.06	1.07	1.08
ALPINE	0.00	0.00	0.00	0.00	0.00	0.00
AMADOR	0.23	0.23	0.23	0.23	0.24	0.24
BUTTE	2.50	2.52	2.54	2.57	2.59	2.62
CALAVERAS	0.22	0.22	0.22	0.22	0.23	0.23
COLUSA	3.15	3.18	3.22	3.25	3.28	3.31
CONTRA COSTA	1.00	1.01	1.02	1.03	1.04	1.05
DEL NORTE	0.11	0.11	0.11	0.11	0.11	0.11
EL DORADO	0.21	0.21	0.21	0.22	0.22	0.22
FRESNO	18.25	18.41	18.58	18.77	18.96	19.15
GLENN	2.23	2.25	2.27	2.29	2.32	2.34
HUMBOLDT	0.65	0.66	0.66	0.67	0.68	0.68
IMPERIAL	6.58	6.64	6.71	6.77	6.84	6.91
INYO	0.11	0.12	0.12	0.12	0.12	0.12
KERN	11.78	11.89	12.01	12.13	12.25	12.37
KINGS	5.69	5.74	5.79	5.85	5.91	5.97
LAKE	0.46	0.46	0.47	0.47	0.48	0.48
LASSEN	0.52	0.53	0.53	0.54	0.54	0.55
LOS ANGELES	1.37	1.39	1.40	1.41	1.43	1.44
MADERA	3.25	3.27	3.31	3.34	3.37	3.41
MARIN	0.45	0.46	0.46	0.46	0.47	0.47
MARIPOSA	0.17	0.17	0.17	0.18	0.18	0.18
MENDOCINO	0.70	0.70	0.71	0.72	0.72	0.73
MERCED	7.02	7.08	7.15	7.22	7.29	7.37
MODOC	0.79	0.80	0.81	0.81	0.82	0.83
MONO	0.15	0.16	0.16	0.16	0.16	0.16
MONTEREY	8.59	8.67	8.75	8.84	8.93	9.02
NAPA	0.95	0.96	0.96	0.98	0.99	1.00
NEVADA	0.09	0.09	0.09	0.09	0.10	0.10
ORANGE	2.02	2.03	2.05	2.07	2.10	2.12
PLACER	0.62	0.62	0.63	0.63	0.64	0.65
PLUMAS	0.20	0.20	0.20	0.21	0.21	0.21
RIVERSIDE	5.17	5.22	5.27	5.32	5.37	5.43
SACRAMENTO	2.46	2.48	2.50	2.53	2.55	2.58
SAN BENITO	1.21	1.22	1.23	1.24	1.26	1.27
SAN BERNARDINO	2.47	2.50	2.52	2.54	2.57	2.60
SAN DIEGO	5.86	5.90	5.95	6.02	6.08	6.14
SAN FRANCISCO	0.00	0.00	0.00	0.00	0.00	0.00
SAN JOAQUIN	7.77	7.84	7.92	8.00	8.08	8.16
SAN LUIS OBISPO	2.25	2.27	2.29	2.31	2.34	2.36
SAN MATEO	1.68	1.70	1.71	1.73	1.75	1.77
SANTA BARBARA	2.98	3.00	3.03	3.06	3.09	3.12
SANTA CLARA	1.65	1.67	1.68	1.70	1.72	1.73
SANTA CRUZ	2.60	2.63	2.65	2.68	2.70	2.73
SHASTA	0.51	0.51	0.52	0.52	0.53	0.53
SIERRA	0.04	0.04	0.04	0.04	0.04	0.04
SISKIYOU	1.04	1.05	1.06	1.07	1.08	1.09
SOLANO	1.70	1.72	1.73	1.75	1.77	1.79
SONOMA	2.40	2.43	2.44	2.47	2.50	2.52
STANISLAUS	6.58	6.64	6.70	6.76	6.83	6.90
SUTTER	3.55	3.59	3.62	3.66	3.69	3.73
TEHAMA	1.16	1.17	1.18	1.19	1.21	1.22
TRINITY	0.05	0.05	0.05	0.05	0.05	0.05
TULARE	11.05	11.14	11.24	11.36	11.47	11.59
TUOLUMNE	0.13	0.13	0.14	0.14	0.14	0.14
VENTURA	4.60	4.64	4.68	4.73	4.78	4.83
YOLO	3.33	3.36	3.39	3.42	3.46	3.49
YUBA	0.90	0.91	0.92	0.93	0.94	0.95

**Table 1 - Farm Equipment,
Gasoline (Millions in
1977\$)**

	2006	2007	2008	2009	2010	2011
CALIFORNIA	163.53	165.16	166.78	168.40	169.99	171.56
ALAMEDA	1.09	1.10	1.11	1.12	1.14	1.15
ALPINE	0.00	0.00	0.00	0.00	0.00	0.00
AMADOR	0.24	0.24	0.25	0.25	0.25	0.25
BUTTE	2.65	2.67	2.70	2.73	2.75	2.78
CALAVERAS	0.23	0.23	0.24	0.24	0.24	0.24
COLUSA	3.35	3.38	3.41	3.45	3.48	3.51
CONTRA COSTA	1.06	1.07	1.08	1.09	1.10	1.11
DEL NORTE	0.11	0.11	0.12	0.12	0.12	0.12
EL DORADO	0.22	0.22	0.23	0.23	0.23	0.23
FRESNO	19.35	19.54	19.73	19.92	20.11	20.30
GLENN	2.36	2.39	2.41	2.44	2.46	2.48
HUMBOLDT	0.69	0.70	0.70	0.71	0.72	0.72
IMPERIAL	6.98	7.05	7.12	7.19	7.26	7.32
INYO	0.12	0.12	0.12	0.13	0.13	0.13
KERN	12.50	12.62	12.75	12.87	12.99	13.11
KINGS	6.03	6.09	6.15	6.21	6.27	6.33
LAKE	0.49	0.49	0.50	0.50	0.50	0.51
LASSEN	0.56	0.56	0.57	0.57	0.58	0.58
LOS ANGELES	1.46	1.47	1.48	1.50	1.51	1.53
MADERA	3.44	3.48	3.51	3.54	3.58	3.61
MARIN	0.48	0.48	0.49	0.49	0.50	0.50
MARIPOSA	0.18	0.18	0.19	0.19	0.19	0.19
MENDOCINO	0.74	0.74	0.75	0.76	0.77	0.77
MERCED	7.44	7.52	7.59	7.66	7.74	7.81
MODOC	0.84	0.85	0.86	0.86	0.87	0.88
MONO	0.16	0.17	0.17	0.17	0.17	0.17
MONTEREY	9.11	9.20	9.29	9.38	9.47	9.56
NAPA	1.01	1.02	1.03	1.04	1.05	1.06
NEVADA	0.10	0.10	0.10	0.10	0.10	0.10
ORANGE	2.14	2.16	2.18	2.20	2.22	2.24
PLACER	0.65	0.66	0.67	0.67	0.68	0.68
PLUMAS	0.21	0.22	0.22	0.22	0.22	0.22
RIVERSIDE	5.48	5.54	5.59	5.65	5.70	5.75
SACRAMENTO	2.61	2.63	2.66	2.68	2.71	2.73
SAN BENITO	1.28	1.30	1.31	1.32	1.33	1.35
SAN BERNARDINO	2.62	2.65	2.68	2.70	2.73	2.75
SAN DIEGO	6.20	6.26	6.33	6.39	6.45	6.51
SAN FRANCISCO	0.00	0.00	0.00	0.00	0.00	0.00
SAN JOAQUIN	8.24	8.33	8.41	8.49	8.57	8.65
SAN LUIS OBISPO	2.39	2.41	2.43	2.46	2.48	2.50
SAN MATEO	1.78	1.80	1.82	1.84	1.86	1.87
SANTA BARBARA	3.16	3.19	3.22	3.25	3.28	3.31
SANTA CLARA	1.75	1.77	1.79	1.80	1.82	1.84
SANTA CRUZ	2.76	2.79	2.81	2.84	2.87	2.89
SHASTA	0.54	0.54	0.55	0.55	0.56	0.56
SIERRA	0.04	0.04	0.05	0.05	0.05	0.05
SISKIYOU	1.10	1.11	1.12	1.13	1.14	1.15
SOLANO	1.80	1.82	1.84	1.86	1.88	1.89
SONOMA	2.55	2.57	2.60	2.62	2.65	2.67
STANISLAUS	6.97	7.04	7.11	7.18	7.25	7.32
SUTTER	3.77	3.81	3.84	3.88	3.92	3.95
TEHAMA	1.23	1.24	1.26	1.27	1.28	1.29
TRINITY	0.05	0.05	0.05	0.05	0.05	0.05
TULARE	11.71	11.82	11.94	12.06	12.17	12.28
TUOLUMNE	0.14	0.14	0.14	0.15	0.15	0.15
VENTURA	4.87	4.92	4.97	5.02	5.07	5.11
YOLO	3.53	3.56	3.60	3.63	3.67	3.70
YUBA	0.96	0.97	0.98	0.98	0.99	1.00

**Table 1 - Farm Equipment,
Gasoline (Millions in
1977\$)**

	2012	2013	2014	2015	2016	2017
CALIFORNIA	173.12	174.65	176.15	177.59	178.95	180.24
ALAMEDA	1.16	1.17	1.18	1.19	1.20	1.20
ALPINE	0.00	0.00	0.00	0.00	0.00	0.00
AMADOR	0.26	0.26	0.26	0.26	0.26	0.27
BUTTE	2.80	2.83	2.85	2.88	2.90	2.92
CALAVERAS	0.24	0.25	0.25	0.25	0.25	0.26
COLUSA	3.54	3.58	3.61	3.64	3.66	3.69
CONTRA COSTA	1.12	1.13	1.14	1.15	1.16	1.17
DEL NORTE	0.12	0.12	0.12	0.12	0.12	0.12
EL DORADO	0.24	0.24	0.24	0.24	0.24	0.24
FRESNO	20.48	20.66	20.84	21.01	21.17	21.32
GLENN	2.50	2.53	2.55	2.57	2.59	2.61
HUMBOLDT	0.73	0.74	0.74	0.75	0.75	0.76
IMPERIAL	7.39	7.46	7.52	7.58	7.64	7.70
INYO	0.13	0.13	0.13	0.13	0.13	0.13
KERN	13.23	13.35	13.46	13.57	13.68	13.78
KINGS	6.38	6.44	6.50	6.55	6.60	6.65
LAKE	0.51	0.52	0.52	0.53	0.53	0.54
LASSEN	0.59	0.59	0.60	0.60	0.61	0.61
LOS ANGELES	1.54	1.55	1.57	1.58	1.59	1.60
MADERA	3.64	3.68	3.71	3.74	3.77	3.79
MARIN	0.51	0.51	0.52	0.52	0.52	0.53
MARIPOSA	0.19	0.19	0.20	0.20	0.20	0.20
MENDOCINO	0.78	0.79	0.79	0.80	0.81	0.81
MERCED	7.88	7.95	8.02	8.08	8.14	8.20
MODOC	0.89	0.90	0.90	0.91	0.92	0.92
MONO	0.17	0.18	0.18	0.18	0.18	0.18
MONTEREY	9.64	9.73	9.81	9.89	9.97	10.04
NAPA	1.06	1.07	1.08	1.09	1.10	1.11
NEVADA	0.10	0.10	0.10	0.11	0.11	0.11
ORANGE	2.26	2.28	2.30	2.32	2.34	2.36
PLACER	0.69	0.70	0.70	0.71	0.71	0.72
PLUMAS	0.23	0.23	0.23	0.23	0.23	0.23
RIVERSIDE	5.81	5.86	5.91	5.95	6.00	6.04
SACRAMENTO	2.76	2.78	2.81	2.83	2.85	2.87
SAN BENITO	1.36	1.37	1.38	1.39	1.40	1.41
SAN BERNARDINO	2.78	2.80	2.83	2.85	2.87	2.89
SAN DIEGO	6.57	6.63	6.68	6.74	6.79	6.84
SAN FRANCISCO	0.00	0.00	0.00	0.00	0.00	0.00
SAN JOAQUIN	8.73	8.80	8.88	8.95	9.02	9.09
SAN LUIS OBISPO	2.52	2.55	2.57	2.59	2.61	2.63
SAN MATEO	1.89	1.91	1.92	1.94	1.95	1.97
SANTA BARBARA	3.34	3.37	3.40	3.43	3.45	3.48
SANTA CLARA	1.85	1.87	1.89	1.90	1.92	1.93
SANTA CRUZ	2.92	2.95	2.97	3.00	3.02	3.04
SHASTA	0.57	0.57	0.58	0.58	0.59	0.59
SIERRA	0.05	0.05	0.05	0.05	0.05	0.05
SISKIYOU	1.17	1.18	1.19	1.20	1.20	1.21
SOLANO	1.91	1.93	1.94	1.96	1.97	1.99
SONOMA	2.70	2.72	2.74	2.77	2.79	2.81
STANISLAUS	7.38	7.45	7.51	7.57	7.63	7.69
SUTTER	3.99	4.03	4.06	4.09	4.12	4.15
TEHAMA	1.30	1.31	1.33	1.34	1.35	1.36
TRINITY	0.05	0.05	0.05	0.05	0.05	0.05
TULARE	12.39	12.50	12.61	12.71	12.81	12.90
TUOLUMNE	0.15	0.15	0.15	0.15	0.15	0.16
VENTURA	5.16	5.21	5.25	5.29	5.33	5.37
YOLO	3.74	3.77	3.80	3.83	3.86	3.89
YUBA	1.01	1.02	1.03	1.04	1.05	1.05

**Table 1 - Farm Equipment,
Gasoline (Millions in
1977\$)**

	2018	2019	2020
CALIFORNIA	181.43	182.52	183.48
ALAMEDA	1.21	1.22	1.23
ALPINE	0.00	0.00	0.00
AMADOR	0.27	0.27	0.27
BUTTE	2.94	2.95	2.97
CALAVERAS	0.26	0.26	0.26
COLUSA	3.71	3.74	3.76
CONTRA COSTA	1.17	1.18	1.19
DEL NORTE	0.13	0.13	0.13
EL DORADO	0.25	0.25	0.25
FRESNO	21.47	21.59	21.71
GLENN	2.62	2.64	2.65
HUMBOLDT	0.77	0.77	0.77
IMPERIAL	7.75	7.79	7.83
INYO	0.13	0.14	0.14
KERN	13.87	13.95	14.02
KINGS	6.69	6.73	6.77
LAKE	0.54	0.54	0.55
LASSEN	0.62	0.62	0.62
LOS ANGELES	1.62	1.63	1.63
MADERA	3.82	3.84	3.86
MARIN	0.53	0.53	0.54
MARIPOSA	0.20	0.20	0.20
MENDOCINO	0.82	0.82	0.83
MERCED	8.26	8.31	8.35
MODOC	0.93	0.94	0.94
MONO	0.18	0.18	0.18
MONTEREY	10.11	10.17	10.22
NAPA	1.12	1.12	1.13
NEVADA	0.11	0.11	0.11
ORANGE	2.37	2.39	2.40
PLACER	0.72	0.73	0.73
PLUMAS	0.24	0.24	0.24
RIVERSIDE	6.08	6.12	6.15
SACRAMENTO	2.89	2.91	2.92
SAN BENITO	1.42	1.43	1.44
SAN BERNARDINO	2.91	2.93	2.94
SAN DIEGO	6.88	6.92	6.96
SAN FRANCISCO	0.00	0.00	0.00
SAN JOAQUIN	9.15	9.20	9.25
SAN LUIS OBISPO	2.65	2.66	2.68
SAN MATEO	1.98	1.99	2.00
SANTA BARBARA	3.50	3.52	3.54
SANTA CLARA	1.94	1.95	1.96
SANTA CRUZ	3.06	3.08	3.10
SHASTA	0.60	0.60	0.60
SIERRA	0.05	0.05	0.05
SISKIYOU	1.22	1.23	1.24
SOLANO	2.00	2.01	2.02
SONOMA	2.83	2.84	2.86
STANISLAUS	7.74	7.78	7.82
SUTTER	4.18	4.21	4.23
TEHAMA	1.37	1.37	1.38
TRINITY	0.05	0.05	0.05
TULARE	12.99	13.07	13.14
TUOLUMNE	0.16	0.16	0.16
VENTURA	5.41	5.44	5.47
YOLO	3.92	3.94	3.96
YUBA	1.06	1.07	1.07

**Table 2 - Farm Equipment,
Diesel (Millions in 1977\$)**

	1970	1971	1972	1973	1974	1975
CALIFORNIA	38.86	38.62	37.67	39.49	41.32	57.76
ALAMEDA	0.38	0.38	0.36	0.37	0.39	0.58
ALPINE	0.00	0.00	0.00	0.00	0.00	0.00
AMADOR	0.05	0.05	0.04	0.04	0.04	0.06
BUTTE	0.79	0.78	0.76	0.79	0.83	1.15
CALAVERAS	0.05	0.05	0.04	0.04	0.04	0.06
COLUSA	0.72	0.71	0.69	0.72	0.74	1.00
CONTRA COSTA	0.35	0.33	0.31	0.31	0.32	0.45
DEL NORTE	0.06	0.07	0.07	0.08	0.09	0.08
EL DORADO	0.08	0.07	0.06	0.06	0.06	0.07
FRESNO	4.10	4.14	4.08	4.32	4.55	6.16
GLENN	0.67	0.68	0.67	0.72	0.76	0.99
HUMBOLDT	0.21	0.19	0.18	0.18	0.17	0.23
IMPERIAL	1.65	1.70	1.71	1.83	1.95	2.28
INYO	0.04	0.04	0.04	0.04	0.04	0.04
KERN	3.01	3.07	3.06	3.25	3.45	4.81
KINGS	1.36	1.43	1.46	1.58	1.69	2.43
LAKE	0.16	0.15	0.15	0.15	0.15	0.16
LASSEN	0.14	0.13	0.12	0.12	0.12	0.17
LOS ANGELES	0.77	0.68	0.60	0.58	0.56	0.90
MADERA	0.91	0.90	0.87	0.91	0.95	1.32
MARIN	0.10	0.09	0.09	0.09	0.09	0.12
MARIPOSA	0.05	0.04	0.04	0.04	0.04	0.04
MENDOCINO	0.23	0.22	0.20	0.20	0.20	0.27
MERCED	1.71	1.79	1.81	1.96	2.10	3.00
MODOC	0.32	0.30	0.29	0.29	0.30	0.40
MONO	0.00	0.00	0.00	0.02	0.02	0.04
MONTEREY	1.52	1.57	1.57	1.68	1.79	2.90
NAPA	0.18	0.17	0.17	0.17	0.18	0.18
NEVADA	0.00	0.00	0.00	0.00	0.00	0.03
ORANGE	0.42	0.41	0.39	0.41	0.42	0.56
PLACER	0.20	0.18	0.16	0.16	0.16	0.22
PLUMAS	0.04	0.04	0.04	0.04	0.04	0.04
RIVERSIDE	1.25	1.24	1.20	1.26	1.31	1.84
SACRAMENTO	0.71	0.73	0.72	0.76	0.81	1.09
SAN BENITO	0.33	0.31	0.29	0.30	0.30	0.41
SAN BERNARDINO	0.70	0.67	0.63	0.64	0.65	0.88
SAN DIEGO	0.91	0.90	0.87	0.91	0.96	1.55
SAN FRANCISCO	0.00	0.00	0.00	0.00	0.00	0.00
SAN JOAQUIN	2.14	2.12	2.06	2.16	2.25	3.10
SAN LUIS OBISPO	0.63	0.59	0.55	0.56	0.57	0.77
SAN MATEO	0.24	0.25	0.25	0.26	0.28	0.57
SANTA BARBARA	0.64	0.63	0.61	0.63	0.66	0.97
SANTA CLARA	0.77	0.71	0.64	0.63	0.63	0.96
SANTA CRUZ	0.27	0.27	0.26	0.27	0.28	0.52
SHASTA	0.15	0.14	0.13	0.13	0.13	0.17
SIERRA	0.00	0.00	0.00	0.00	0.00	0.02
SISKIYOU	0.35	0.34	0.32	0.32	0.33	0.46
SOLANO	0.58	0.60	0.60	0.64	0.68	0.87
SONOMA	0.67	0.63	0.59	0.59	0.60	0.85
STANISLAUS	1.74	1.67	1.59	1.63	1.67	2.28
SUTTER	0.92	0.92	0.89	0.94	0.98	1.57
TEHAMA	0.35	0.33	0.31	0.32	0.32	0.48
TRINITY	0.00	0.00	0.00	0.00	0.00	0.02
TULARE	2.89	2.84	2.75	2.86	2.98	4.06
TUOLUMNE	0.04	0.03	0.03	0.03	0.03	0.03
VENTURA	0.86	0.87	0.86	0.90	0.95	1.37
YOLO	1.15	1.21	1.22	1.33	1.42	1.81
YUBA	0.29	0.28	0.27	0.28	0.29	0.42

**Table 2 - Farm Equipment,
Diesel (Millions in 1977\$)**

	1976	1977	1978	1979	1980	1981
CALIFORNIA	72.13	81.57	89.07	79.58	76.59	69.60
ALAMEDA	0.75	0.87	0.95	0.74	0.62	0.49
ALPINE	0.00	0.00	0.00	0.00	0.00	0.00
AMADOR	0.07	0.08	0.09	0.05	0.04	0.05
BUTTE	1.43	1.62	1.74	1.57	1.42	1.39
CALAVERAS	0.06	0.06	0.06	0.05	0.04	0.05
COLUSA	1.21	1.35	1.47	1.26	1.18	0.98
CONTRA COSTA	0.56	0.64	0.69	0.57	0.52	0.44
DEL NORTE	0.10	0.10	0.11	0.08	0.06	0.05
EL DORADO	0.07	0.09	0.09	0.08	0.07	0.08
FRESNO	7.54	8.45	8.99	8.35	8.32	7.70
GLENN	1.18	1.30	1.37	1.22	1.17	1.01
HUMBOLDT	0.27	0.30	0.31	0.29	0.30	0.28
IMPERIAL	2.81	2.61	3.72	2.88	2.40	1.88
INYO	0.05	0.04	0.06	0.06	0.06	0.06
KERN	5.98	6.77	7.26	7.35	7.81	7.59
KINGS	3.06	3.50	3.77	3.30	3.13	2.77
LAKE	0.17	0.19	0.29	0.24	0.19	0.20
LASSEN	0.21	0.24	0.26	0.25	0.27	0.26
LOS ANGELES	1.20	1.42	1.56	1.32	1.20	1.03
MADERA	1.65	1.86	2.00	1.99	2.10	2.03
MARIN	0.15	0.16	0.18	0.18	0.19	0.19
MARIPOSA	0.04	0.03	0.05	0.05	0.04	0.04
MENDOCINO	0.33	0.37	0.40	0.34	0.24	0.28
MERCED	3.78	4.32	4.66	4.13	3.97	3.55
MODOC	0.49	0.55	0.59	0.51	0.48	0.43
MONO	0.04	0.05	0.06	0.06	0.07	0.07
MONTEREY	3.87	4.57	5.04	4.45	4.26	4.07
NAPA	0.22	0.38	0.47	0.39	0.35	0.30
NEVADA	0.03	0.03	0.04	0.03	0.03	0.04
ORANGE	0.67	0.74	0.78	0.67	0.63	0.61
PLACER	0.26	0.26	0.33	0.26	0.23	0.20
PLUMAS	0.04	0.05	0.06	0.06	0.05	0.04
RIVERSIDE	2.29	2.60	2.79	2.50	2.43	2.20
SACRAMENTO	1.33	1.49	1.59	1.37	1.28	1.12
SAN BENITO	0.38	0.50	0.64	0.56	0.53	0.47
SAN BERNARDINO	1.08	1.20	1.28	1.31	1.41	1.37
SAN DIEGO	2.08	2.46	2.72	2.42	2.33	2.09
SAN FRANCISCO	0.00	0.00	0.00	0.00	0.00	0.00
SAN JOAQUIN	3.83	4.31	4.61	4.04	3.84	3.41
SAN LUIS OBISPO	0.95	1.06	1.13	1.01	0.98	0.88
SAN MATEO	0.83	1.03	1.17	0.90	0.75	0.63
SANTA BARBARA	1.25	1.44	1.56	1.39	1.34	1.21
SANTA CLARA	1.25	1.45	1.59	1.34	1.22	1.05
SANTA CRUZ	0.73	0.89	0.99	0.84	0.77	0.66
SHASTA	0.20	0.22	0.23	0.23	0.24	0.23
SIERRA	0.02	0.02	0.03	0.03	0.02	0.02
SISKIYOU	0.57	0.65	0.69	0.64	0.63	0.58
SOLANO	1.03	1.13	1.18	1.02	0.95	0.84
SONOMA	1.02	1.21	1.34	1.17	1.11	0.98
STANISLAUS	2.81	3.15	3.36	2.95	2.81	2.50
SUTTER	2.09	2.46	2.71	2.17	1.90	1.55
TEHAMA	0.62	0.72	0.78	0.68	0.65	0.57
TRINITY	0.02	0.00	0.03	0.02	0.02	0.01
TULARE	4.99	5.61	5.98	5.58	5.59	5.19
TUOLUMNE	0.03	0.03	0.04	0.03	0.03	0.03
VENTURA	1.73	1.98	2.13	1.89	1.80	1.65
YOLO	2.13	2.33	2.43	2.06	1.90	1.64
YUBA	0.53	0.61	0.66	0.62	0.63	0.59

**Table 2 - Farm Equipment,
Diesel (Millions in 1977\$)**

	1982	1983	1984	1985	1986	1987
CALIFORNIA	60.37	59.61	62.00	56.19	58.77	55.30
ALAMEDA	0.37	0.37	0.39	0.36	0.38	0.37
ALPINE	0.00	0.00	0.00	0.00	0.00	0.00
AMADOR	0.04	0.04	0.05	0.06	0.07	0.08
BUTTE	1.08	1.02	1.08	0.96	0.97	0.89
CALAVERAS	0.04	0.04	0.05	0.06	0.07	0.08
COLUSA	0.84	0.85	0.96	0.95	0.99	0.98
CONTRA COSTA	0.36	0.36	0.38	0.35	0.37	0.36
DEL NORTE	0.03	0.03	0.03	0.03	0.04	0.04
EL DORADO	0.07	0.07	0.07	0.07	0.08	0.07
FRESNO	6.84	6.73	7.13	6.51	6.83	6.53
GLENN	0.91	0.90	0.92	0.83	0.85	0.80
HUMBOLDT	0.25	0.25	0.26	0.23	0.24	0.23
IMPERIAL	1.41	1.61	1.81	1.84	2.13	2.39
INYO	0.05	0.05	0.05	0.05	0.05	0.04
KERN	7.02	6.63	6.48	5.45	5.43	4.32
KINGS	2.37	2.27	2.39	2.14	2.20	2.05
LAKE	0.16	0.15	0.17	0.16	0.17	0.16
LASSEN	0.23	0.23	0.23	0.20	0.21	0.19
LOS ANGELES	0.86	0.83	0.83	0.72	0.71	0.63
MADERA	1.86	1.67	1.72	1.42	1.38	1.16
MARIN	0.17	0.17	0.18	0.16	0.17	0.16
MARIPOSA	0.03	0.04	0.04	0.05	0.06	0.06
MENDOCINO	0.24	0.22	0.26	0.24	0.26	0.25
MERCED	3.07	2.93	3.06	2.72	2.77	2.54
MODOC	0.36	0.35	0.36	0.31	0.31	0.28
MONO	0.06	0.06	0.06	0.06	0.06	0.06
MONTEREY	3.49	3.66	3.54	3.18	3.28	3.07
NAPA	0.24	0.25	0.28	0.27	0.30	0.30
NEVADA	0.03	0.03	0.04	0.04	0.04	0.04
ORANGE	0.51	0.55	0.62	0.61	0.69	0.72
PLACER	0.16	0.17	0.19	0.19	0.21	0.22
PLUMAS	0.04	0.04	0.05	0.05	0.07	0.07
RIVERSIDE	1.91	1.91	2.01	1.84	1.94	1.86
SACRAMENTO	0.94	0.94	0.98	0.89	0.93	0.88
SAN BENITO	0.40	0.41	0.44	0.41	0.44	0.43
SAN BERNARDINO	1.28	1.22	1.21	1.04	1.02	0.89
SAN DIEGO	1.81	1.85	1.99	1.87	2.03	2.01
SAN FRANCISCO	0.00	0.00	0.00	0.00	0.00	0.00
SAN JOAQUIN	2.93	2.86	3.05	2.78	2.92	2.78
SAN LUIS OBISPO	0.77	0.86	0.83	0.77	0.82	0.81
SAN MATEO	0.48	0.51	0.55	0.53	0.59	0.60
SANTA BARBARA	1.05	1.06	1.12	1.03	1.10	1.07
SANTA CLARA	0.87	0.85	0.86	0.75	0.75	0.68
SANTA CRUZ	0.55	0.61	0.72	0.73	0.87	0.93
SHASTA	0.21	0.21	0.21	0.19	0.19	0.18
SIERRA	0.02	0.02	0.02	0.02	0.02	0.01
SISKIYOU	0.51	0.49	0.49	0.43	0.42	0.37
SOLANO	0.71	0.70	0.72	0.64	0.66	0.61
SONOMA	0.84	0.84	0.88	0.81	0.86	0.83
STANISLAUS	2.15	2.12	2.34	2.26	2.38	2.35
SUTTER	1.23	1.24	1.32	1.22	1.31	1.28
TEHAMA	0.49	0.48	0.49	0.44	0.45	0.42
TRINITY	0.01	0.01	0.01	0.01	0.02	0.02
TULARE	4.63	4.54	4.58	4.09	4.24	3.96
TUOLUMNE	0.02	0.03	0.03	0.04	0.04	0.05
VENTURA	1.42	1.45	1.56	1.47	1.73	1.59
YOLO	1.37	1.35	1.39	1.24	1.28	1.19
YUBA	0.53	0.48	0.49	0.41	0.39	0.33

**Table 2 - Farm Equipment,
Diesel (Millions in 1977\$)**

	1988	1989	1990	1991	1992	1993
CALIFORNIA	56.04	54.64	61.70	62.64	65.41	65.72
ALAMEDA	0.37	0.36	0.41	0.42	0.44	0.44
ALPINE	0.00	0.00	0.00	0.00	0.00	0.00
AMADOR	0.08	0.08	0.09	0.09	0.10	0.10
BUTTE	0.90	0.88	1.00	1.02	1.06	1.06
CALAVERAS	0.08	0.08	0.09	0.09	0.09	0.09
COLUSA	1.10	1.28	1.26	1.22	1.32	1.36
CONTRA COSTA	0.36	0.35	0.40	0.41	0.42	0.43
DEL NORTE	0.04	0.04	0.04	0.04	0.05	0.05
EL DORADO	0.08	0.07	0.08	0.09	0.09	0.09
FRESNO	6.61	6.43	7.31	7.42	7.74	7.77
GLENN	0.81	0.79	0.89	0.91	0.95	0.95
HUMBOLDT	0.24	0.23	0.26	0.26	0.28	0.28
IMPERIAL	2.42	2.36	2.63	2.64	2.81	2.81
INYO	0.04	0.04	0.05	0.05	0.05	0.05
KERN	4.38	4.25	4.84	4.56	5.05	5.06
KINGS	1.99	2.01	2.29	2.33	2.40	2.41
LAKE	0.17	0.16	0.18	0.19	0.19	0.20
LASSEN	0.19	0.18	0.21	0.21	0.22	0.22
LOS ANGELES	0.64	0.62	0.54	0.53	0.60	0.58
MADERA	1.18	1.14	1.30	1.32	1.38	1.38
MARIN	0.16	0.16	0.18	0.18	0.19	0.19
MARIPOSA	0.06	0.06	0.07	0.07	0.07	0.07
MENDOCINO	0.25	0.24	0.28	0.28	0.29	0.30
MERCED	2.53	2.48	2.81	2.85	2.98	2.99
MODOC	0.29	0.28	0.32	0.32	0.34	0.34
MONO	0.06	0.05	0.06	0.06	0.07	0.07
MONTEREY	3.10	3.02	3.47	3.48	3.64	3.66
NAPA	0.31	0.34	0.34	0.44	0.39	0.40
NEVADA	0.04	0.04	0.03	0.03	0.04	0.04
ORANGE	0.73	0.71	0.81	0.82	0.85	0.86
PLACER	0.22	0.22	0.25	0.25	0.26	0.26
PLUMAS	0.07	0.07	0.08	0.08	0.09	0.09
RIVERSIDE	1.93	1.83	2.08	2.06	2.20	2.21
SACRAMENTO	0.89	0.87	0.98	1.00	1.04	1.05
SAN BENITO	0.44	0.43	0.48	0.49	0.51	0.52
SAN BERNARDINO	0.90	0.87	0.99	1.01	1.05	1.05
SAN DIEGO	2.04	1.98	2.36	2.48	2.45	2.47
SAN FRANCISCO	0.00	0.00	0.00	0.00	0.00	0.00
SAN JOAQUIN	2.82	2.74	3.11	3.16	3.30	3.31
SAN LUIS OBISPO	0.82	0.79	0.90	0.91	0.95	0.96
SAN MATEO	0.61	0.59	0.67	0.68	0.71	0.72
SANTA BARBARA	1.08	1.05	1.19	1.21	1.26	1.27
SANTA CLARA	0.66	0.63	0.62	0.63	0.73	0.72
SANTA CRUZ	0.94	0.92	1.04	1.06	1.10	1.11
SHASTA	0.18	0.18	0.20	0.21	0.21	0.22
SIERRA	0.02	0.01	0.02	0.02	0.02	0.02
SISKIYOU	0.38	0.37	0.42	0.42	0.44	0.44
SOLANO	0.62	0.60	0.68	0.69	0.72	0.72
SONOMA	0.84	0.82	0.93	1.04	1.01	1.01
STANISLAUS	2.38	2.26	2.64	2.71	2.78	2.79
SUTTER	1.29	1.30	1.29	1.52	1.51	1.51
TEHAMA	0.42	0.41	0.47	0.47	0.49	0.49
TRINITY	0.02	0.02	0.02	0.02	0.02	0.02
TULARE	4.01	3.76	4.51	4.50	4.68	4.70
TUOLUMNE	0.05	0.05	0.05	0.05	0.06	0.06
VENTURA	1.69	1.64	1.81	1.88	1.94	1.96
YOLO	1.21	1.17	1.33	1.35	1.41	1.42
YUBA	0.33	0.32	0.32	0.39	0.38	0.38

**Table 2 - Farm Equipment,
Diesel (Millions in 1977\$)**

	1994	1995	1996	1997	1998	1999
CALIFORNIA	66.86	68.16	70.18	72.37	74.51	76.44
ALAMEDA	0.45	0.46	0.47	0.48	0.49	0.51
ALPINE	0.00	0.00	0.00	0.00	0.00	0.00
AMADOR	0.10	0.10	0.10	0.11	0.11	0.11
BUTTE	1.08	1.10	1.14	1.17	1.21	1.24
CALAVERAS	0.09	0.10	0.10	0.10	0.11	0.11
COLUSA	1.40	1.39	1.43	1.48	1.53	1.57
CONTRA COSTA	0.43	0.44	0.45	0.47	0.48	0.49
DEL NORTE	0.05	0.05	0.05	0.05	0.05	0.05
EL DORADO	0.09	0.09	0.10	0.10	0.10	0.10
FRESNO	7.91	8.07	8.30	8.56	8.81	9.04
GLENN	0.97	0.99	1.02	1.05	1.08	1.11
HUMBOLDT	0.28	0.29	0.30	0.31	0.31	0.32
IMPERIAL	2.86	2.91	2.99	3.09	3.18	3.26
INYO	0.05	0.05	0.05	0.05	0.06	0.06
KERN	5.13	5.21	5.33	5.55	5.70	5.84
KINGS	2.47	2.52	2.59	2.67	2.75	2.82
LAKE	0.20	0.20	0.21	0.21	0.22	0.23
LASSEN	0.23	0.23	0.24	0.25	0.25	0.26
LOS ANGELES	0.59	0.61	0.62	0.64	0.66	0.68
MADERA	1.41	1.43	1.48	1.52	1.57	1.61
MARIN	0.20	0.20	0.21	0.21	0.22	0.22
MARIPOSA	0.07	0.08	0.08	0.08	0.08	0.08
MENDOCINO	0.30	0.31	0.32	0.33	0.34	0.34
MERCED	3.04	3.10	3.19	3.29	3.39	3.48
MODOC	0.34	0.35	0.36	0.37	0.38	0.39
MONO	0.07	0.07	0.07	0.07	0.07	0.08
MONTEREY	3.72	3.80	3.91	4.03	4.15	4.26
NAPA	0.41	0.42	0.44	0.44	0.46	0.47
NEVADA	0.04	0.04	0.04	0.04	0.04	0.05
ORANGE	0.87	0.89	0.92	0.95	0.97	1.00
PLACER	0.27	0.27	0.28	0.29	0.30	0.31
PLUMAS	0.09	0.09	0.09	0.09	0.10	0.10
RIVERSIDE	2.24	2.28	2.35	2.43	2.50	2.56
SACRAMENTO	1.07	1.09	1.12	1.15	1.19	1.22
SAN BENITO	0.52	0.53	0.55	0.57	0.58	0.60
SAN BERNARDINO	1.07	1.09	1.13	1.16	1.20	1.23
SAN DIEGO	2.53	2.60	2.67	2.74	2.82	2.90
SAN FRANCISCO	0.00	0.00	0.00	0.00	0.00	0.00
SAN JOAQUIN	3.37	3.44	3.54	3.65	3.76	3.85
SAN LUIS OBISPO	0.97	0.99	1.02	1.06	1.09	1.11
SAN MATEO	0.73	0.74	0.77	0.79	0.81	0.83
SANTA BARBARA	1.29	1.32	1.35	1.40	1.44	1.48
SANTA CLARA	0.72	0.72	0.75	0.78	0.80	0.82
SANTA CRUZ	1.13	1.15	1.18	1.22	1.26	1.29
SHASTA	0.22	0.22	0.23	0.24	0.24	0.25
SIERRA	0.02	0.02	0.02	0.02	0.02	0.02
SISKIYOU	0.45	0.46	0.47	0.49	0.50	0.51
SOLANO	0.74	0.75	0.77	0.80	0.82	0.84
SONOMA	1.04	1.06	1.10	1.12	1.16	1.19
STANISLAUS	2.84	2.91	3.00	3.08	3.18	3.26
SUTTER	1.54	1.56	1.63	1.67	1.72	1.76
TEHAMA	0.50	0.51	0.53	0.54	0.56	0.58
TRINITY	0.02	0.02	0.02	0.02	0.02	0.02
TULARE	4.77	4.90	5.03	5.18	5.33	5.47
TUOLUMNE	0.06	0.06	0.06	0.06	0.06	0.07
VENTURA	1.99	2.03	2.09	2.16	2.22	2.28
YOLO	1.44	1.47	1.51	1.56	1.61	1.65
YUBA	0.39	0.39	0.42	0.42	0.44	0.45

**Table 2 - Farm Equipment,
Diesel (Millions in 1977\$)**

	2000	2001	2002	2003	2004	2005
CALIFORNIA	78.28	80.10	82.01	84.00	86.07	88.19
ALAMEDA	0.52	0.53	0.55	0.56	0.57	0.59
ALPINE	0.00	0.00	0.00	0.00	0.00	0.00
AMADOR	0.12	0.12	0.12	0.12	0.13	0.13
BUTTE	1.27	1.30	1.33	1.36	1.39	1.43
CALAVERAS	0.11	0.11	0.12	0.12	0.12	0.12
COLUSA	1.60	1.64	1.68	1.72	1.76	1.80
CONTRA COSTA	0.51	0.52	0.53	0.54	0.56	0.57
DEL NORTE	0.05	0.06	0.06	0.06	0.06	0.06
EL DORADO	0.11	0.11	0.11	0.11	0.12	0.12
FRESNO	9.26	9.48	9.70	9.94	10.18	10.43
GLENN	1.13	1.16	1.19	1.21	1.24	1.28
HUMBOLDT	0.33	0.34	0.35	0.35	0.36	0.37
IMPERIAL	3.34	3.42	3.50	3.59	3.67	3.77
INYO	0.06	0.06	0.06	0.06	0.06	0.07
KERN	5.98	6.12	6.27	6.42	6.58	6.74
KINGS	2.89	2.95	3.02	3.10	3.17	3.25
LAKE	0.23	0.24	0.24	0.25	0.26	0.26
LASSEN	0.27	0.27	0.28	0.29	0.29	0.30
LOS ANGELES	0.70	0.71	0.73	0.75	0.77	0.79
MADERA	1.65	1.69	1.73	1.77	1.81	1.86
MARIN	0.23	0.23	0.24	0.25	0.25	0.26
MARIPOSA	0.09	0.09	0.09	0.09	0.10	0.10
MENDOCINO	0.35	0.36	0.37	0.38	0.39	0.40
MERCED	3.56	3.65	3.73	3.82	3.92	4.01
MODOC	0.40	0.41	0.42	0.43	0.44	0.45
MONO	0.08	0.08	0.08	0.08	0.09	0.09
MONTEREY	4.36	4.46	4.57	4.68	4.79	4.91
NAPA	0.48	0.49	0.50	0.52	0.53	0.54
NEVADA	0.05	0.05	0.05	0.05	0.05	0.05
ORANGE	1.02	1.05	1.07	1.10	1.13	1.15
PLACER	0.31	0.32	0.33	0.34	0.34	0.35
PLUMAS	0.10	0.10	0.11	0.11	0.11	0.11
RIVERSIDE	2.62	2.69	2.75	2.82	2.89	2.96
SACRAMENTO	1.25	1.28	1.31	1.34	1.37	1.41
SAN BENITO	0.61	0.63	0.64	0.66	0.68	0.69
SAN BERNARDINO	1.26	1.28	1.32	1.35	1.38	1.41
SAN DIEGO	2.97	3.04	3.11	3.19	3.27	3.35
SAN FRANCISCO	0.00	0.00	0.00	0.00	0.00	0.00
SAN JOAQUIN	3.95	4.04	4.13	4.23	4.34	4.45
SAN LUIS OBISPO	1.14	1.17	1.20	1.23	1.26	1.29
SAN MATEO	0.85	0.87	0.89	0.92	0.94	0.96
SANTA BARBARA	1.51	1.55	1.58	1.62	1.66	1.70
SANTA CLARA	0.84	0.86	0.88	0.90	0.92	0.94
SANTA CRUZ	1.32	1.35	1.38	1.42	1.45	1.49
SHASTA	0.26	0.26	0.27	0.28	0.28	0.29
SIERRA	0.02	0.02	0.02	0.02	0.02	0.02
SISKIYOU	0.53	0.54	0.55	0.57	0.58	0.59
SOLANO	0.86	0.88	0.90	0.93	0.95	0.97
SONOMA	1.22	1.25	1.28	1.31	1.34	1.37
STANISLAUS	3.34	3.42	3.50	3.58	3.67	3.76
SUTTER	1.80	1.85	1.89	1.94	1.98	2.03
TEHAMA	0.59	0.60	0.62	0.63	0.65	0.66
TRINITY	0.02	0.02	0.02	0.03	0.03	0.03
TULARE	5.61	5.73	5.87	6.01	6.16	6.31
TUOLUMNE	0.07	0.07	0.07	0.07	0.07	0.08
VENTURA	2.33	2.39	2.44	2.50	2.57	2.63
YOLO	1.69	1.73	1.77	1.81	1.86	1.90
YUBA	0.46	0.47	0.48	0.49	0.50	0.52

**Table 2 - Farm Equipment,
Diesel (Millions in 1977\$)**

	2006	2007	2008	2009	2010	2011
CALIFORNIA	90.37	92.58	94.84	97.15	99.49	101.87
ALAMEDA	0.60	0.62	0.63	0.65	0.66	0.68
ALPINE	0.00	0.00	0.00	0.00	0.00	0.00
AMADOR	0.13	0.14	0.14	0.14	0.15	0.15
BUTTE	1.46	1.50	1.54	1.57	1.61	1.65
CALAVERAS	0.13	0.13	0.13	0.14	0.14	0.14
COLUSA	1.85	1.90	1.94	1.99	2.04	2.09
CONTRA COSTA	0.58	0.60	0.61	0.63	0.64	0.66
DEL NORTE	0.06	0.06	0.07	0.07	0.07	0.07
EL DORADO	0.12	0.13	0.13	0.13	0.14	0.14
FRESNO	10.69	10.95	11.22	11.49	11.77	12.05
GLENN	1.31	1.34	1.37	1.40	1.44	1.47
HUMBOLDT	0.38	0.39	0.40	0.41	0.42	0.43
IMPERIAL	3.86	3.95	4.05	4.15	4.25	4.35
INYO	0.07	0.07	0.07	0.07	0.07	0.08
KERN	6.91	7.08	7.25	7.42	7.60	7.79
KINGS	3.33	3.41	3.50	3.58	3.67	3.76
LAKE	0.27	0.28	0.28	0.29	0.30	0.30
LASSEN	0.31	0.31	0.32	0.33	0.34	0.35
LOS ANGELES	0.80	0.82	0.84	0.86	0.89	0.91
MADERA	1.90	1.95	2.00	2.04	2.09	2.14
MARIN	0.26	0.27	0.28	0.28	0.29	0.30
MARIPOSA	0.10	0.10	0.11	0.11	0.11	0.11
MENDOCINO	0.41	0.42	0.43	0.44	0.45	0.46
MERCED	4.11	4.21	4.32	4.42	4.53	4.64
MODOC	0.46	0.48	0.49	0.50	0.51	0.52
MONO	0.09	0.09	0.10	0.10	0.10	0.10
MONTEREY	5.03	5.16	5.28	5.41	5.54	5.67
NAPA	0.56	0.57	0.58	0.60	0.61	0.63
NEVADA	0.05	0.06	0.06	0.06	0.06	0.06
ORANGE	1.18	1.21	1.24	1.27	1.30	1.33
PLACER	0.36	0.37	0.38	0.39	0.40	0.41
PLUMAS	0.12	0.12	0.12	0.13	0.13	0.13
RIVERSIDE	3.03	3.10	3.18	3.26	3.34	3.42
SACRAMENTO	1.44	1.48	1.51	1.55	1.59	1.62
SAN BENITO	0.71	0.73	0.74	0.76	0.78	0.80
SAN BERNARDINO	1.45	1.49	1.52	1.56	1.60	1.63
SAN DIEGO	3.43	3.51	3.60	3.69	3.77	3.86
SAN FRANCISCO	0.00	0.00	0.00	0.00	0.00	0.00
SAN JOAQUIN	4.56	4.67	4.78	4.90	5.02	5.14
SAN LUIS OBISPO	1.32	1.35	1.38	1.42	1.45	1.49
SAN MATEO	0.99	1.01	1.04	1.06	1.09	1.11
SANTA BARBARA	1.74	1.79	1.83	1.88	1.92	1.97
SANTA CLARA	0.97	0.99	1.02	1.04	1.07	1.09
SANTA CRUZ	1.52	1.56	1.60	1.64	1.68	1.72
SHASTA	0.30	0.30	0.31	0.32	0.33	0.33
SIERRA	0.02	0.03	0.03	0.03	0.03	0.03
SISKIYOU	0.61	0.62	0.64	0.65	0.67	0.69
SOLANO	1.00	1.02	1.05	1.07	1.10	1.12
SONOMA	1.41	1.44	1.48	1.51	1.55	1.59
STANISLAUS	3.85	3.95	4.04	4.14	4.24	4.34
SUTTER	2.08	2.13	2.19	2.24	2.29	2.35
TEHAMA	0.68	0.70	0.71	0.73	0.75	0.77
TRINITY	0.03	0.03	0.03	0.03	0.03	0.03
TULARE	6.47	6.63	6.79	6.96	7.12	7.29
TUOLUMNE	0.08	0.08	0.08	0.08	0.09	0.09
VENTURA	2.69	2.76	2.83	2.90	2.97	3.04
YOLO	1.95	2.00	2.05	2.10	2.15	2.20
YUBA	0.53	0.54	0.55	0.57	0.58	0.60

**Table 2 - Farm Equipment,
Diesel (Millions in 1977\$)**

	2012	2013	2014	2015	2016	2017
CALIFORNIA	104.30	106.76	109.26	111.77	114.29	116.81
ALAMEDA	0.70	0.71	0.73	0.75	0.76	0.78
ALPINE	0.00	0.00	0.00	0.00	0.00	0.00
AMADOR	0.15	0.16	0.16	0.16	0.17	0.17
BUTE	1.69	1.73	1.77	1.81	1.85	1.89
CALAVERAS	0.15	0.15	0.15	0.16	0.16	0.17
COLUSA	2.14	2.19	2.24	2.29	2.34	2.39
CONTRA COSTA	0.67	0.69	0.71	0.72	0.74	0.76
DEL NORTE	0.07	0.07	0.08	0.08	0.08	0.08
EL DORADO	0.14	0.15	0.15	0.15	0.16	0.16
FRESNO	12.34	12.63	12.93	13.22	13.52	13.82
GLENN	1.51	1.54	1.58	1.62	1.65	1.69
HUMBOLDT	0.44	0.45	0.46	0.47	0.48	0.49
IMPERIAL	4.45	4.56	4.66	4.77	4.88	4.99
INYO	0.08	0.08	0.08	0.08	0.08	0.09
KERN	7.97	8.16	8.35	8.54	8.74	8.93
KINGS	3.85	3.94	4.03	4.12	4.21	4.31
LAKE	0.31	0.32	0.32	0.33	0.34	0.35
LASSEN	0.35	0.36	0.37	0.38	0.39	0.40
LOS ANGELES	0.93	0.95	0.97	1.00	1.02	1.04
MADERA	2.19	2.25	2.30	2.35	2.41	2.46
MARIN	0.31	0.31	0.32	0.33	0.33	0.34
MARIPOSA	0.12	0.12	0.12	0.12	0.13	0.13
MENDOCINO	0.47	0.48	0.49	0.50	0.52	0.53
MERCED	4.75	4.86	4.97	5.09	5.20	5.32
MODOC	0.54	0.55	0.56	0.57	0.59	0.60
MONO	0.10	0.11	0.11	0.11	0.11	0.12
MONTEREY	5.81	5.95	6.09	6.23	6.37	6.51
NAPA	0.64	0.66	0.67	0.69	0.70	0.72
NEVADA	0.06	0.06	0.06	0.07	0.07	0.07
ORANGE	1.36	1.40	1.43	1.46	1.49	1.53
PLACER	0.42	0.43	0.44	0.45	0.46	0.47
PLUMAS	0.14	0.14	0.14	0.15	0.15	0.15
RIVERSIDE	3.50	3.58	3.66	3.75	3.83	3.92
SACRAMENTO	1.66	1.70	1.74	1.78	1.82	1.86
SAN BENITO	0.82	0.84	0.86	0.88	0.90	0.92
SAN BERNARDINO	1.67	1.71	1.75	1.79	1.83	1.87
SAN DIEGO	3.96	4.05	4.14	4.24	4.34	4.43
SAN FRANCISCO	0.00	0.00	0.00	0.00	0.00	0.00
SAN JOAQUIN	5.26	5.38	5.51	5.63	5.76	5.89
SAN LUIS OBISPO	1.52	1.56	1.59	1.63	1.67	1.70
SAN MATEO	1.14	1.17	1.19	1.22	1.25	1.27
SANTA BARBARA	2.01	2.06	2.11	2.16	2.21	2.25
SANTA CLARA	1.12	1.14	1.17	1.20	1.22	1.25
SANTA CRUZ	1.76	1.80	1.84	1.89	1.93	1.97
SHASTA	0.34	0.35	0.36	0.37	0.38	0.38
SIERRA	0.03	0.03	0.03	0.03	0.03	0.03
SISKIYOU	0.70	0.72	0.74	0.75	0.77	0.79
SOLANO	1.15	1.18	1.21	1.23	1.26	1.29
SONOMA	1.62	1.66	1.70	1.74	1.78	1.82
STANISLAUS	4.45	4.55	4.66	4.77	4.87	4.98
SUTTER	2.40	2.46	2.52	2.58	2.63	2.69
TEHAMA	0.79	0.80	0.82	0.84	0.86	0.88
TRINITY	0.03	0.03	0.03	0.03	0.03	0.03
TULARE	7.47	7.64	7.82	8.00	8.18	8.36
TUOLUMNE	0.09	0.09	0.09	0.10	0.10	0.10
VENTURA	3.11	3.18	3.26	3.33	3.41	3.48
YOLO	2.25	2.30	2.36	2.41	2.47	2.52
YUBA	0.61	0.62	0.64	0.65	0.67	0.68

**Table 2 - Farm Equipment,
Diesel (Millions in 1977\$)**

	2018	2019	2020
CALIFORNIA	119.33	121.82	124.28
ALAMEDA	0.80	0.81	0.83
ALPINE	0.00	0.00	0.00
AMADOR	0.18	0.18	0.18
BUTTE	1.93	1.97	2.01
CALAVERAS	0.17	0.17	0.18
COLUSA	2.44	2.49	2.54
CONTRA COSTA	0.77	0.79	0.80
DEL NORTE	0.08	0.08	0.09
EL DORADO	0.16	0.17	0.17
FRESNO	14.12	14.41	14.70
GLENN	1.73	1.76	1.80
HUMBOLDT	0.50	0.51	0.52
IMPERIAL	5.09	5.20	5.31
INYO	0.09	0.09	0.09
KERN	9.12	9.31	9.50
KINGS	4.40	4.49	4.58
LAKE	0.35	0.36	0.37
LASSEN	0.41	0.41	0.42
LOS ANGELES	1.06	1.08	1.11
MADERA	2.51	2.56	2.62
MARIN	0.35	0.36	0.36
MARIPOSA	0.13	0.14	0.14
MENDOCINO	0.54	0.55	0.56
MERCED	5.43	5.54	5.66
MODOC	0.61	0.63	0.64
MONO	0.12	0.12	0.12
MONTEREY	6.65	6.79	6.92
NAPA	0.73	0.75	0.76
NEVADA	0.07	0.07	0.07
ORANGE	1.56	1.59	1.63
PLACER	0.48	0.49	0.50
PLUMAS	0.16	0.16	0.16
RIVERSIDE	4.00	4.08	4.17
SACRAMENTO	1.90	1.94	1.98
SAN BENITO	0.94	0.96	0.97
SAN BERNARDINO	1.91	1.95	1.99
SAN DIEGO	4.53	4.62	4.71
SAN FRANCISCO	0.00	0.00	0.00
SAN JOAQUIN	6.02	6.14	6.26
SAN LUIS OBISPO	1.74	1.78	1.81
SAN MATEO	1.30	1.33	1.36
SANTA BARBARA	2.30	2.35	2.40
SANTA CLARA	1.28	1.30	1.33
SANTA CRUZ	2.01	2.06	2.10
SHASTA	0.39	0.40	0.41
SIERRA	0.03	0.03	0.03
SISKIYOU	0.80	0.82	0.84
SOLANO	1.32	1.34	1.37
SONOMA	1.86	1.90	1.94
STANISLAUS	5.09	5.19	5.30
SUTTER	2.75	2.81	2.86
TEHAMA	0.90	0.92	0.94
TRINITY	0.04	0.04	0.04
TULARE	8.54	8.72	8.90
TUOLUMNE	0.10	0.11	0.11
VENTURA	3.56	3.63	3.70
YOLO	2.58	2.63	2.68
YUBA	0.70	0.71	0.73

**Table 3 - Civil Aircraft, Jet
(Flight Operations)**

	1970	1971	1972	1973	1974	1975
CALIFORNIA	1117154	1204846	1297805	1396288	1363121	1500060
ALAMEDA	67846	70540	77032	84105	85261	94503
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	2644	2699	3239	3862	4473	5220
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	12879	13107	13327	13548	14481	14449
DEL NORTE	0	0	0	0	0	0
EL DORADO	1740	1769	1797	1824	1946	1938
FRESNO	21583	22674	24003	25393	25098	26932
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	1571	4098	3671	3142	2473	1801
INYO	0	0	0	0	0	0
KERN	8864	8808	9625	10522	10861	11994
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	440615	477428	513638	551652	530551	585077
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	3189	3300	3416	3534	3620	3735
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	7717	7852	7982	8113	8669	8647
NAPA	8216	8361	8502	8644	9240	9220
NEVADA	0	0	0	0	0	0
ORANGE	51825	56043	58881	61838	62019	65650
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	19065	19766	21098	22557	23669	25327
SACRAMENTO	31846	37104	40002	43070	41912	46209
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	94892	103259	109475	115921	113019	121856
SAN FRANCISCO	200496	221190	245381	271201	255566	294059
SAN JOAQUIN	9940	10372	11001	11656	11406	12295
SAN LUIS OBISPO	3898	3987	4079	4176	4497	4528
SAN MATEO	8737	8882	9021	9157	9773	9733
SANTA BARBARA	15744	16025	17914	20020	21003	23677
SANTA CLARA	78922	81993	87726	93806	92958	101055
SANTA CRUZ	0	0	0	0	0	0
SHASTA	2127	2170	2938	3829	4596	5702
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	5545	5664	5784	5911	6351	6380
STANISLAUS	7843	8155	8482	8820	8968	9334
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	7599	7754	7910	8072	8661	8685
YOLO	0	0	0	0	0	0
YUBA	1813	1847	1881	1916	2052	2053

**Table 3 - Civil Aircraft, Jet
(Flight Operations)**

	1976	1977	1978	1979	1980	1981
CALIFORNIA	1424425	1409489	1436720	1395145	1312601	1206021
ALAMEDA	93159	86302	91512	90052	78527	74795
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	4997	5331	4885	3908	3481	3325
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	16111	14597	21161	15253	15401	14700
DEL NORTE	0	0	0	0	0	0
EL DORADO	2157	2295	2157	2608	2263	3216
FRESNO	26099	27506	27577	30297	26557	20626
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	2820	3620	4741	7060	10946	1864
INYO	0	0	0	0	0	0
KERN	10890	11264	9516	8587	7366	6591
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	545809	542070	542859	529136	527143	503246
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	3738	4226	3980	3721	3436	3025
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	10533	12820	15327	15994	19643	13436
NAPA	10282	8400	9089	10720	9987	7660
NEVADA	0	0	0	0	0	0
ORANGE	64742	63752	60318	59001	50521	49304
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	24753	24785	24219	23650	20748	18263
SACRAMENTO	43570	48472	52303	50319	44244	39049
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	117375	124617	127991	124595	102854	90399
SAN FRANCISCO	265832	249870	257197	252477	240301	226403
SAN JOAQUIN	11656	11958	11606	9161	8886	8722
SAN LUIS OBISPO	5095	3489	6656	0	0	0
SAN MATEO	10833	11889	12118	12270	11241	9057
SANTA BARBARA	21582	18307	16014	15022	14317	12638
SANTA CLARA	98305	99550	98313	94364	80256	70249
SANTA CRUZ	0	0	0	0	0	0
SHASTA	5706	5258	5075	7412	7624	8642
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	7161	7849	8721	9295	8294	7199
STANISLAUS	9194	9054	7365	7396	7030	5750
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	9731	9456	13541	10171	9009	5653
YOLO	0	0	0	0	0	0
YUBA	2295	2754	2479	2678	2526	2209

**Table 3 - Civil Aircraft, Jet
(Flight Operations)**

	1982	1983	1984	1985	1986	1987
CALIFORNIA	1080911	1152882	1358799	1462941	1572750	1663854
ALAMEDA	73069	80440	93142	101733	105062	113400
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	0	0	1964	3026	2807	2788
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	10568	9540	10991	11026	10689	10605
DEL NORTE	0	0	0	0	0	0
EL DORADO	2061	2577	3475	3629	3441	3836
FRESNO	16703	17918	23681	23527	20233	20308
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	6512	5798	5878	8795	9525	9269
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	447211	454359	534995	575857	603828	648014
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	0	0	0	0	2723	230
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	11563	10401	13947	13679	14583	16408
NAPA	5783	5796	5671	5838	5744	6206
NEVADA	0	0	0	0	0	0
ORANGE	47809	51949	56579	64228	80643	86418
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	15150	20507	26422	28456	28907	29057
SACRAMENTO	38113	42391	48060	52660	57935	60464
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	87270	101320	120375	135138	146716	159124
SAN FRANCISCO	213462	229352	271678	271670	302570	314221
SAN JOAQUIN	5616	5888	6250	8829	8353	6996
SAN LUIS OBISPO	0	0	0	0	0	1250
SAN MATEO	5945	6957	8021	7530	7505	8685
SANTA BARBARA	9854	13017	14341	13400	12516	13378
SANTA CLARA	62853	73021	90338	110584	125957	128384
SANTA CRUZ	0	0	0	0	0	0
SHASTA	7453	7153	7185	6548	5766	6848
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	5426	4849	5191	5538	5735	6511
STANISLAUS	4365	4092	4564	5301	5421	5351
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	4126	5558	6052	5951	6093	6103
YOLO	0	0	0	0	0	0
YUBA	0	0	0	0	0	0

**Table 3 - Civil Aircraft, Jet
(Flight Operations)**

	1988	1989	1990	1991	1992	1993
CALIFORNIA	1676670	1612277	1618362	1608294	1540647	1601172
ALAMEDA	113324	105825	110652	128805	126163	129722
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	2620	2822	3153	3188	3087	3152
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	11742	12352	13123	12241	11825	11798
DEL NORTE	0	0	0	0	0	0
EL DORADO	3643	3467	3535	2324	1318	1374
FRESNO	18011	14599	12732	11919	9799	10115
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	7637	6024	5101	5058	4214	4376
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	667380	657984	679289	656575	624420	654636
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	244	238	177	216	203	202
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	14523	15156	14627	11988	10559	11072
NAPA	7878	8030	8060	7877	8243	8206
NEVADA	0	0	0	0	0	0
ORANGE	85453	82736	75990	80846	77932	79505
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	29554	28077	27026	28553	24850	25356
SACRAMENTO	62004	53605	47535	46627	52544	53770
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	164675	163028	159292	156011	154435	159509
SAN FRANCISCO	298984	280030	272350	269511	258135	268510
SAN JOAQUIN	6482	5542	5371	5241	4744	4768
SAN LUIS OBISPO	4820	5460	5500	5052	4462	6101
SAN MATEO	8738	8109	8408	7679	7132	7202
SANTA BARBARA	14126	13265	13890	13115	11275	11902
SANTA CLARA	130151	122314	120663	124504	118054	122264
SANTA CRUZ	0	0	0	0	0	0
SHASTA	5431	4602	5137	4598	4058	4121
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	6546	7060	7283	6687	6592	6586
STANISLAUS	6008	5570	4626	4158	3756	3838
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	6694	6382	14842	15524	12846	13091
YOLO	0	0	0	0	0	0
YUBA	0	0	0	0	0	0

**Table 3 - Civil Aircraft, Jet
(Flight Operations)**

	1994	1995	1996	1997	1998	1999
CALIFORNIA	1694059	1759743	1817685	1900672	1956064	2014050
ALAMEDA	135020	136755	139642	144476	146979	149697
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	3432	3408	3447	3697	3705	3735
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	12571	12369	12294	12983	12815	12730
DEL NORTE	0	0	0	0	0	0
EL DORADO	1545	1599	1620	1772	1809	1857
FRESNO	10721	11050	11118	11849	12037	12275
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	4845	4882	4989	5450	5574	5728
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	692828	724791	746129	775611	797119	819388
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	215	210	208	230	237	245
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	12046	12150	12356	13223	13377	13596
NAPA	8799	8628	8602	9105	9008	8968
NEVADA	0	0	0	0	0	0
ORANGE	84972	88893	90689	94588	96421	98449
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	26902	26776	26711	28254	28294	28476
SACRAMENTO	56121	58276	61113	64287	66608	69005
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	169288	176212	183400	193237	200305	207631
SAN FRANCISCO	283404	297783	313136	328174	342828	357519
SAN JOAQUIN	5191	5175	5192	5567	5578	5623
SAN LUIS OBISPO	6607	6605	6645	7120	7129	7181
SAN MATEO	7648	7457	7365	7746	7616	7535
SANTA BARBARA	12913	13207	13397	14372	14550	14800
SANTA CLARA	129173	133730	139471	146824	152129	157628
SANTA CRUZ	0	0	0	0	0	0
SHASTA	4419	4460	4486	4692	4588	4514
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	7079	6984	6936	7394	7366	7384
STANISLAUS	4162	4207	4236	4594	4652	4738
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	14158	14136	14504	15428	15340	15347
YOLO	0	0	0	0	0	0
YUBA	0	0	0	0	0	0

**Table 3 - Civil Aircraft, Jet
(Flight Operations)**

	2000	2001	2002	2003	2004	2005
CALIFORNIA	2096683	2162558	2254391	2316246	2409586	2477331
ALAMEDA	154533	163037	173803	181966	192904	201595
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	3985	4054	4358	4391	4713	4801
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	13388	13384	14146	14019	14805	14844
DEL NORTE	0	0	0	0	0	0
EL DORADO	2015	2054	2212	2233	2401	2450
FRESNO	13010	13276	14073	14259	15095	15405
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	6210	6361	6871	6971	7515	7701
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	848629	869555	897734	917513	946012	967399
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	269	268	282	279	294	294
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	14488	14843	15921	16168	17300	17716
NAPA	9452	9442	9972	9875	10421	10441
NEVADA	0	0	0	0	0	0
ORANGE	102308	105534	110701	113631	118932	122309
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	29997	30301	32009	32094	33877	34278
SACRAMENTO	72211	77056	82770	87484	93269	98187
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	217455	224482	234145	240765	250583	257803
SAN FRANCISCO	372547	386083	399976	413458	427373	440936
SAN JOAQUIN	6000	6071	6494	6512	6957	7055
SAN LUIS OBISPO	7657	7777	8348	8400	9005	9161
SAN MATEO	7893	7808	8165	8005	8363	8295
SANTA BARBARA	15793	16126	17261	17474	18679	19083
SANTA CLARA	164948	170726	178417	183896	191691	197602
SANTA CRUZ	0	0	0	0	0	0
SHASTA	4701	4777	5129	5163	5536	5634
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	7836	7893	8405	8391	8926	9014
STANISLAUS	5104	5196	5591	5637	6055	6173
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	16254	16455	17609	17665	18881	19156
YOLO	0	0	0	0	0	0
YUBA	0	0	0	0	0	0

**Table 3 - Civil Aircraft, Jet
(Flight Operations)**

	2006	2007	2008	2009	2010	2011
CALIFORNIA	2533071	2590065	2648342	2707930	2768858	2817313
ALAMEDA	206131	210769	215511	220360	225318	229261
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	4909	5020	5133	5248	5366	5460
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	15178	15520	15869	16226	16591	16882
DEL NORTE	0	0	0	0	0	0
EL DORADO	2505	2561	2619	2678	2738	2786
FRESNO	15751	16106	16468	16839	17218	17519
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	7874	8051	8233	8418	8607	8758
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	989165	1011421	1034178	1057447	1081240	1100162
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	301	307	314	321	329	334
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	18114	18522	18939	19365	19800	20147
NAPA	10676	10916	11161	11412	11669	11873
NEVADA	0	0	0	0	0	0
ORANGE	125061	127875	130752	133694	136702	139095
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	35049	35837	36644	37468	38311	38982
SACRAMENTO	100397	102655	104965	107327	109742	111662
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	263603	269534	275599	281800	288140	293183
SAN FRANCISCO	450857	461002	471374	481980	492825	501449
SAN JOAQUIN	7213	7376	7542	7711	7885	8023
SAN LUIS OBISPO	9368	9578	9794	10014	10239	10419
SAN MATEO	8482	8673	8868	9067	9271	9433
SANTA BARBARA	19512	19951	20400	20859	21328	21702
SANTA CLARA	202048	206595	211243	215996	220856	224721
SANTA CRUZ	0	0	0	0	0	0
SHASTA	5761	5890	6023	6158	6297	6407
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	9217	9425	9637	9854	10075	10252
STANISLAUS	6312	6454	6599	6748	6899	7020
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	19587	20027	20478	20939	21410	21784
YOLO	0	0	0	0	0	0
YUBA	0	0	0	0	0	0

**Table 3 - Civil Aircraft, Jet
(Flight Operations)**

	2012	2013	2014	2015	2016	2017
CALIFORNIA	2866616	2916782	2967825	3019762	3057509	3095728
ALAMEDA	233273	237356	241509	245736	248808	251918
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	5556	5653	5752	5852	5926	6000
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	17177	17478	17783	18095	18321	18550
DEL NORTE	0	0	0	0	0	0
EL DORADO	2834	2884	2935	2986	3023	3061
FRESNO	17825	18137	18455	18778	19012	19250
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	8911	9067	9226	9387	9505	9623
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	1119415	1139004	1158937	1179218	1193958	1208883
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	340	346	352	358	363	367
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	20499	20858	21223	21595	21865	22138
NAPA	12081	12293	12508	12727	12886	13047
NEVADA	0	0	0	0	0	0
ORANGE	141529	144006	146526	149090	150953	152840
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	39664	40358	41064	41783	42305	42834
SACRAMENTO	113616	115605	117628	119686	121182	122697
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	298314	303534	308846	314251	318179	322156
SAN FRANCISCO	510224	519153	528239	537483	544201	551004
SAN JOAQUIN	8163	8306	8452	8599	8707	8816
SAN LUIS OBISPO	10601	10787	10975	11167	11307	11448
SAN MATEO	9599	9767	9937	10111	10238	10366
SANTA BARBARA	22081	22468	22861	23261	23552	23846
SANTA CLARA	228653	232655	236726	240869	243880	246928
SANTA CRUZ	0	0	0	0	0	0
SHASTA	6519	6633	6749	6868	6953	7040
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	10431	10613	10799	10988	11126	11265
STANISLAUS	7143	7268	7395	7525	7619	7714
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	22166	22554	22948	23350	23642	23937
YOLO	0	0	0	0	0	0
YUBA	0	0	0	0	0	0

**Table 3 - Civil Aircraft, Jet
(Flight Operations)**

	2018	2019	2020
CALIFORNIA	3134425	3173605	3213275
ALAMEDA	255067	258255	261483
ALPINE	0	0	0
AMADOR	0	0	0
BUTTE	6075	6151	6227
CALAVERAS	0	0	0
COLUSA	0	0	0
CONTRA COSTA	18782	19017	19254
DEL NORTE	0	0	0
EL DORADO	3099	3138	3177
FRESNO	19491	19734	19981
GLENN	0	0	0
HUMBOLDT	0	0	0
IMPERIAL	0	0	0
INYO	0	0	0
KERN	9744	9865	9989
KINGS	0	0	0
LAKE	0	0	0
LASSEN	0	0	0
LOS ANGELES	1223994	1239294	1254785
MADERA	0	0	0
MARIN	0	0	0
MARIPOSA	0	0	0
MENDOCINO	0	0	0
MERCED	372	377	381
MODOC	0	0	0
MONO	0	0	0
MONTEREY	22415	22695	22978
NAPA	13210	13375	13542
NEVADA	0	0	0
ORANGE	154751	156685	158644
PLACER	0	0	0
PLUMAS	0	0	0
RIVERSIDE	43370	43912	44461
SACRAMENTO	124231	125784	127356
SAN BENITO	0	0	0
SAN BERNARDINO	0	0	0
SAN DIEGO	326183	330260	334389
SAN FRANCISCO	557891	564865	571926
SAN JOAQUIN	8926	9038	9151
SAN LUIS OBISPO	11591	11736	11883
SAN MATEO	10495	10626	10759
SANTA BARBARA	24144	24446	24752
SANTA CLARA	250015	253140	256304
SANTA CRUZ	0	0	0
SHASTA	7128	7217	7308
SIERRA	0	0	0
SISKIYOU	0	0	0
SOLANO	0	0	0
SONOMA	11405	11548	11692
STANISLAUS	7810	7908	8007
SUTTER	0	0	0
TEHAMA	0	0	0
TRINITY	0	0	0
TULARE	0	0	0
TUOLUMNE	0	0	0
VENTURA	24237	24539	24846
YOLO	0	0	0
YUBA	0	0	0

**Table 4 - Civil Aircraft,
Piston
(Flight Operations)**

	1970	1971	1972	1973	1974	1975
CALIFORNIA	7072288	7197049	7312746	7427627	7921629	7900069
ALAMEDA	596916	610068	618356	626254	665846	661734
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	49601	50742	51419	52068	55258	54962
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	233657	237791	241791	245800	262718	262146
DEL NORTE	0	0	0	0	0	0
EL DORADO	35664	36550	36229	35712	36523	35168
FRESNO	184934	188728	192360	196112	210204	210533
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	28509	30174	30575	30960	32854	32678
INYO	0	0	0	0	0	0
KERN	89545	91757	93099	94403	100483	100024
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	2190908	2226489	2264389	2302487	2459186	2455466
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	42985	43701	44383	45054	48083	47888
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	140000	142453	144821	147187	157279	156888
NAPA	149055	151699	154259	156827	167632	167282
NEVADA	0	0	0	0	0	0
ORANGE	565378	574084	584096	594220	635547	634802
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	263484	268477	272780	277050	295471	294641
SACRAMENTO	206763	207621	210935	214223	228523	227843
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	717124	727013	739014	750986	802360	800234
SAN FRANCISCO	56366	57066	55626	53699	51916	49055
SAN JOAQUIN	76437	78012	79389	80761	85927	85898
SAN LUIS OBISPO	70726	72340	74001	75773	81583	82157
SAN MATEO	158506	161149	163663	166135	177306	176587
SANTA BARBARA	169052	173326	176080	178785	189632	189307
SANTA CLARA	636598	649408	659492	669381	713191	710561
SANTA CRUZ	0	0	0	0	0	0
SHASTA	41042	42018	42284	42464	44561	43904
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	100601	102754	104938	107237	115227	115747
STANISLAUS	97687	99435	101131	102837	109947	109748
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	137865	140679	143502	146443	157135	157567
YOLO	0	0	0	0	0	0
YUBA	32886	33514	34133	34768	37236	37249

**Table 4 - Civil Aircraft,
Piston
(Flight Operations)**

	1976	1977	1978	1979	1980	1981
CALIFORNIA	8845425	9394846	9675087	9473354	8815155	7768666
ALAMEDA	737855	836121	831957	843823	799873	775874
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	61626	74951	74118	66468	63154	60322
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	292308	264826	383915	276730	279417	266702
DEL NORTE	0	0	0	0	0	0
EL DORADO	40141	44039	45141	52729	46145	46634
FRESNO	236371	262976	253185	259185	238232	216038
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	36643	36643	42472	43999	43276	33780
INYO	0	0	0	0	0	0
KERN	112353	130764	124897	141238	138802	119508
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	2756192	2845617	2826565	2783939	2599636	2338454
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	53498	66190	65557	66078	64365	54883
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	175370	197615	215132	206250	192758	174273
NAPA	186544	152400	164892	194494	181196	138970
NEVADA	0	0	0	0	0	0
ORANGE	711021	737491	692838	706452	639206	559157
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	328650	359330	379184	396859	376420	302651
SACRAMENTO	254923	282997	282877	283548	271990	230795
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	894371	978855	1002128	996125	864153	756196
SAN FRANCISCO	58699	76724	79643	93962	111277	86916
SAN JOAQUIN	95757	122574	124683	126554	113155	107751
SAN LUIS OBISPO	92439	63292	120754	0	0	0
SAN MATEO	196538	215692	219856	222616	203952	164322
SANTA BARBARA	211863	227158	246671	254854	251841	226700
SANTA CLARA	792048	864513	875422	854347	782048	655001
SANTA CRUZ	0	0	0	0	0	0
SHASTA	49136	59129	55797	73484	68217	77856
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	129915	142407	158230	168634	150470	130607
STANISLAUS	122973	131022	118530	127879	125968	102628
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	176551	171554	245672	184527	163767	102567
YOLO	0	0	0	0	0	0
YUBA	41639	49967	44970	48580	45834	40082

**Table 4 - Civil Aircraft,
Piston
(Flight Operations)**

	1982	1983	1984	1985	1986	1987
CALIFORNIA	5934633	6299088	6940616	6723098	6619348	6886786
ALAMEDA	637566	608431	619235	589385	619059	660325
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	0	0	35624	54892	50934	50578
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	191730	173091	199411	200041	193921	192400
DEL NORTE	0	0	0	0	0	0
EL DORADO	28362	31254	32448	33545	29455	30609
FRESNO	140676	141139	151407	147141	148492	151639
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	118070	100829	106241	95553	86185	92901
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	1901162	1978113	2205863	2051259	1976815	2071951
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	0	0	0	0	49401	4164
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	121439	139072	153128	147948	145616	145164
NAPA	104915	105163	102882	105926	104214	112593
NEVADA	0	0	0	0	0	0
ORANGE	469967	491447	534054	538358	544905	537165
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	235275	318591	361420	356034	342577	346385
SACRAMENTO	164030	162215	184449	186577	196360	209465
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	571454	666180	681317	678100	651239	681598
SAN FRANCISCO	86063	101816	110711	106248	103748	119761
SAN JOAQUIN	84029	86998	87872	88571	95496	91220
SAN LUIS OBISPO	0	0	0	0	0	22685
SAN MATEO	107854	126216	145527	136620	136155	157577
SANTA BARBARA	176983	234331	259128	243110	221485	229271
SANTA CLARA	472934	496371	601799	576167	542020	560927
SANTA CRUZ	0	0	0	0	0	0
SHASTA	70285	74788	81317	83016	68373	92465
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	98443	87976	94178	100467	104014	118128
STANISLAUS	78543	74234	82797	96175	98347	97080
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	74853	100831	109808	107964	110536	110732
YOLO	0	0	0	0	0	0
YUBA	0	0	0	0	0	0

**Table 4 - Civil Aircraft,
Piston
(Flight Operations)**

	1988	1989	1990	1991	1992	1993
CALIFORNIA	6784425	6960066	7745049	7676663	7657559	7733129
ALAMEDA	628917	640833	658475	627124	624340	636586
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	43838	47780	59043	61557	63296	64606
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	196483	209162	245584	236337	242409	241859
DEL NORTE	0	0	0	0	0	0
EL DORADO	30209	27780	30541	28976	26652	28162
FRESNO	155951	154656	158270	151518	148333	151036
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	101066	93120	91192	91959	83812	86229
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	1954768	2136661	2347144	2313266	2330374	2303174
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	4088	4032	3306	4169	4169	4141
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	155601	147932	162964	162258	175989	181301
NAPA	131833	135969	150837	152087	168978	168213
NEVADA	0	0	0	0	0	0
ORANGE	514513	511644	510883	544516	575466	572824
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	356780	364406	395026	441359	414258	416474
SACRAMENTO	221570	234166	250867	229565	234718	240695
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	681618	695722	805723	769762	764600	772943
SAN FRANCISCO	141366	134136	146369	148324	148532	151680
SAN JOAQUIN	81455	83177	93817	99844	97041	97737
SAN LUIS OBISPO	80662	92456	102924	97533	91470	125071
SAN MATEO	146210	137315	157357	148265	146199	147638
SANTA BARBARA	219910	205212	225514	214517	200265	212114
SANTA CLARA	536835	504906	552862	555812	557939	564100
SANTA CRUZ	0	0	0	0	0	0
SHASTA	78664	77255	96308	88793	83245	84485
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	109541	119354	135711	129101	135138	135010
STANISLAUS	100532	94326	86577	80279	76991	78687
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	112017	108069	277755	299742	263342	268364
YOLO	0	0	0	0	0	0
YUBA	0	0	0	0	0	0

**Table 4 - Civil Aircraft,
Piston
(Flight Operations)**

	1994	1995	1996	1997	1998	1999
CALIFORNIA	7794423	7788818	7833429	7793288	7802208	7827971
ALAMEDA	645978	647710	654532	654096	657718	662706
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	65743	65534	66559	66544	66948	67492
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	240782	237864	237367	233691	231592	230053
DEL NORTE	0	0	0	0	0	0
EL DORADO	29584	30744	31275	31894	32695	33553
FRESNO	153192	154855	156763	157380	158930	160790
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	89675	90741	93163	95260	97885	100669
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	2302814	2287879	2275527	2248894	2236827	2229875
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	4109	4045	4010	4134	4282	4435
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	188102	190865	195602	198005	201579	205527
NAPA	168538	165931	166086	163885	162781	162062
NEVADA	0	0	0	0	0	0
ORANGE	579031	579284	585133	580440	579460	579767
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	418994	418234	418633	415802	415649	416418
SACRAMENTO	247074	252744	259331	263546	269158	275215
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	775302	775786	781312	779696	782942	787838
SAN FRANCISCO	155004	155862	159197	160630	162756	165122
SAN JOAQUIN	99436	99515	100240	100209	100811	101624
SAN LUIS OBISPO	126554	127023	128307	128166	128835	129778
SAN MATEO	146485	143413	142192	139434	137633	136176
SANTA BARBARA	217885	220165	224687	226444	229543	233079
SANTA CLARA	569002	567807	571162	567192	566879	567825
SANTA CRUZ	0	0	0	0	0	0
SHASTA	84644	85761	86607	84459	82906	81569
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	135594	134304	133920	133088	133117	133442
STANISLAUS	79713	80906	81796	82688	84074	85619
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	271188	271845	280029	277712	277210	277336
YOLO	0	0	0	0	0	0
YUBA	0	0	0	0	0	0

**Table 4 - Civil Aircraft,
Piston
(Flight Operations)**

	2000	2001	2002	2003	2004	2005
CALIFORNIA	7822032	7904877	7919214	7963460	7999770	8102490
ALAMEDA	664908	676654	682398	690664	698162	711490
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	67746	68911	69450	70251	70972	72300
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	227597	227527	225450	224298	222949	223539
DEL NORTE	0	0	0	0	0	0
EL DORADO	34254	34911	35250	35721	36150	36888
FRESNO	161989	164694	165992	167884	169597	172677
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	102983	105566	107195	109205	111079	113883
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	2214232	2225389	2217480	2218142	2216779	2233868
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	4567	4554	4500	4465	4427	4427
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	208542	212071	213684	216102	218274	222307
NAPA	160689	160516	158929	157996	156927	157224
NEVADA	0	0	0	0	0	0
ORANGE	577746	586119	589351	594777	599570	609353
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	415470	418736	418299	419495	420274	424642
SACRAMENTO	280147	287141	291824	297469	302812	310401
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	789477	798048	799662	804306	808137	818714
SAN FRANCISCO	167062	170607	173209	176218	179115	182925
SAN JOAQUIN	102000	103214	103500	104186	104761	106236
SAN LUIS OBISPO	130164	132205	133050	134400	135599	137960
SAN MATEO	134189	132732	130125	128079	125943	124914
SANTA BARBARA	235604	240530	243323	246991	250372	255828
SANTA CLARA	566440	571289	571093	573118	574570	580911
SANTA CRUZ	0	0	0	0	0	0
SHASTA	79925	81205	81750	82605	83366	84841
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	133209	134179	133950	134251	134418	135746
STANISLAUS	86776	88339	89100	90195	91186	92957
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	276313	279741	280650	282642	284330	288461
YOLO	0	0	0	0	0	0
YUBA	0	0	0	0	0	0

**Table 4 - Civil Aircraft,
Piston
(Flight Operations)**

	2006	2007	2008	2009	2010	2011
CALIFORNIA	8143002	8183717	8224636	8265759	8307088	8344470
ALAMEDA	715047	718623	722216	725827	729456	732739
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	72661	73025	73390	73757	74125	74459
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	224657	225780	226909	228043	229184	230215
DEL NORTE	0	0	0	0	0	0
EL DORADO	37072	37257	37444	37631	37819	37989
FRESNO	173541	174408	175281	176157	177038	177834
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	114452	115025	115600	116178	116759	117284
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	2245038	2256263	2267544	2278882	2290276	2300582
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	4449	4471	4493	4516	4538	4559
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	223418	224535	225658	226786	227920	228946
NAPA	158010	158800	159594	160392	161194	161919
NEVADA	0	0	0	0	0	0
ORANGE	612400	615462	618539	621632	624740	627551
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	426765	428899	431043	433198	435364	437324
SACRAMENTO	311953	313512	315080	316655	318239	319671
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	822807	826921	831056	835211	839387	843164
SAN FRANCISCO	183840	184759	185683	186611	187544	188388
SAN JOAQUIN	106767	107301	107838	108377	108919	109409
SAN LUIS OBISPO	138649	139343	140039	140740	141443	142080
SAN MATEO	125539	126167	126797	127431	128069	128645
SANTA BARBARA	257107	258392	259684	260983	262287	263468
SANTA CLARA	583815	586734	589668	592616	595579	598259
SANTA CRUZ	0	0	0	0	0	0
SHASTA	85266	85692	86120	86551	86984	87375
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	136425	137107	137793	138482	139174	139800
STANISLAUS	93422	93889	94358	94830	95304	95733
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	289903	291353	292810	294274	295745	297076
YOLO	0	0	0	0	0	0
YUBA	0	0	0	0	0	0

**Table 4 - Civil Aircraft,
Piston
(Flight Operations)**

	2012	2013	2014	2015	2016	2017
CALIFORNIA	8382020	8419739	8457628	8495687	8529670	8563788
ALAMEDA	736036	739348	742675	746017	749001	751997
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	74794	75131	75469	75808	76112	76416
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	231251	232291	233337	234387	235324	236266
DEL NORTE	0	0	0	0	0	0
EL DORADO	38160	38332	38504	38678	38832	38988
FRESNO	178635	179438	180246	181057	181781	182508
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	117812	118342	118875	119409	119887	120367
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	2310935	2321334	2331780	2342273	2351642	2361049
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	4579	4600	4621	4641	4660	4679
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	229976	231011	232051	233095	234027	234963
NAPA	162648	163380	164115	164853	165513	166175
NEVADA	0	0	0	0	0	0
ORANGE	630375	633212	636061	638924	641479	644045
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	439292	441268	443254	445249	447030	448818
SACRAMENTO	321109	322554	324006	325464	326766	328073
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	846959	850770	854598	858444	861878	865325
SAN FRANCISCO	189236	190088	190943	191802	192570	193340
SAN JOAQUIN	109901	110396	110893	111392	111837	112285
SAN LUIS OBISPO	142719	143361	144007	144655	145233	145814
SAN MATEO	129224	129805	130389	130976	131500	132026
SANTA BARBARA	264653	265844	267041	268242	269315	270393
SANTA CLARA	600952	603656	606372	609101	611537	613983
SANTA CRUZ	0	0	0	0	0	0
SHASTA	87768	88163	88560	88959	89315	89672
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	140430	141061	141696	142334	142903	143475
STANISLAUS	96164	96596	97031	97468	97858	98249
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	298413	299756	301105	302460	303669	304884
YOLO	0	0	0	0	0	0
YUBA	0	0	0	0	0	0

**Table 4 - Civil Aircraft,
Piston
(Flight Operations)**

	2018	2019	2020
CALIFORNIA	8598044	8632436	8666966
ALAMEDA	755005	758025	761057
ALPINE	0	0	0
AMADOR	0	0	0
BUTTE	76722	77028	77337
CALAVERAS	0	0	0
COLUSA	0	0	0
CONTRA COSTA	237211	238160	239112
DEL NORTE	0	0	0
EL DORADO	39144	39300	39457
FRESNO	183238	183971	184707
GLENN	0	0	0
HUMBOLDT	0	0	0
IMPERIAL	0	0	0
INYO	0	0	0
KERN	120848	121331	121817
KINGS	0	0	0
LAKE	0	0	0
LASSEN	0	0	0
LOS ANGELES	2370493	2379975	2389495
MADERA	0	0	0
MARIN	0	0	0
MARIPOSA	0	0	0
MENDOCINO	0	0	0
MERCED	4697	4716	4735
MODOC	0	0	0
MONO	0	0	0
MONTEREY	235903	236847	237794
NAPA	166839	167507	168177
NEVADA	0	0	0
ORANGE	646621	649208	651805
PLACER	0	0	0
PLUMAS	0	0	0
RIVERSIDE	450613	452416	454225
SACRAMENTO	329385	330702	332025
SAN BENITO	0	0	0
SAN BERNARDINO	0	0	0
SAN DIEGO	868787	872262	875751
SAN FRANCISCO	194113	194890	195669
SAN JOAQUIN	112734	113185	113637
SAN LUIS OBISPO	146397	146983	147571
SAN MATEO	132554	133084	133617
SANTA BARBARA	271474	272560	273650
SANTA CLARA	616439	618905	621381
SANTA CRUZ	0	0	0
SHASTA	90030	90391	90752
SIERRA	0	0	0
SISKIYOU	0	0	0
SOLANO	0	0	0
SONOMA	144049	144625	145203
STANISLAUS	98642	99037	99433
SUTTER	0	0	0
TEHAMA	0	0	0
TRINITY	0	0	0
TULARE	0	0	0
TUOLUMNE	0	0	0
VENTURA	306104	307328	308557
YOLO	0	0	0
YUBA	0	0	0

**Table 5 - Civil Aircraft,
Turboprop (Flight
Operations)**

	1970	1971	1972	1973	1974	1975
CALIFORNIA	1101607	1116452	1124638	1130500	1184089	1168341
ALAMEDA	92987	97229	96896	96156	99271	96401
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	8626	8915	8732	8482	8463	8006
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	34037	34639	35222	35806	38270	38187
DEL NORTE	0	0	0	0	0	0
EL DORADO	8696	9132	8383	7446	6355	5123
FRESNO (S)	27006	27660	28158	28668	30668	30671
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	4153	5310	5200	5049	5035	4760
INYO	0	0	0	0	0	0
KERN	13844	14659	14632	14549	15037	14643
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	336862	338076	342299	346181	365674	363273
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	6262	6366	6465	6563	7004	6976
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	20394	20751	21096	21441	22911	22854
NAPA	21713	22098	22471	22845	24419	24368
NEVADA	0	0	0	0	0	0
ORANGE	84207	84077	85452	86825	92702	92471
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	40676	41582	41890	42113	44126	43542
SACRAMENTO	34131	31840	32082	32261	33881	33429
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	106746	105982	107716	109442	116901	116570
SAN FRANCISCO	26478	25901	23024	19435	14072	9748
SAN JOAQUIN	12469	12943	13263	13586	14180	14371
SAN LUIS OBISPO	10303	10538	10780	11038	11884	11968
SAN MATEO	23089	23474	23841	24201	25828	25723
SANTA BARBARA	30039	31555	31560	31422	31638	31040
SANTA CLARA	97053	100494	101559	102463	107542	106594
SANTA CRUZ	0	0	0	0	0	0
SHASTA	8079	8404	8022	7532	7113	6398
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	14655	14968	15286	15621	16785	16861
STANISLAUS	14230	14485	14732	14980	16016	15987
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	20083	20493	20904	21332	22890	22953
YOLO	0	0	0	0	0	0
YUBA	4791	4882	4972	5065	5424	5426

**Table 5 - Civil Aircraft,
Turboprop (Flight
Operations)**

	1976	1977	1978	1979	1980	1981
CALIFORNIA	1329399	1434432	1505215	1498853	1435659	1235177
ALAMEDA	107488	121800	121193	122920	116517	113021
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	8977	10918	10797	9682	9200	8787
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	42580	38577	55925	40311	40703	38850
DEL NORTE	0	0	0	0	0	0
EL DORADO	6702	8466	11702	12304	11071	9624
FRESNO (S)	35024	39573	39031	41426	38931	33469
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	5338	5338	6187	6409	6304	4921
INYO	0	0	0	0	0	0
KERN	17015	20485	20310	22431	24797	17417
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	419707	446522	459487	468484	461722	402030
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	7964	9984	10062	9971	11109	7995
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	25960	29707	32995	32253	32385	26590
NAPA	27174	22200	24020	28332	26395	20244
NEVADA	0	0	0	0	0	0
ORANGE	105555	111393	107294	111643	102725	89499
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	48329	52684	55463	57932	54833	44087
SACRAMENTO	37923	42802	43821	44655	43261	36113
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	132381	147140	153338	154966	136154	117048
SAN FRANCISCO	13165	17672	20590	24796	28982	22389
SAN JOAQUIN	16072	20121	20807	19984	18856	17329
SAN LUIS OBISPO	13466	9220	17590	0	0	0
SAN MATEO	28630	31420	32026	32428	29710	23937
SANTA BARBARA	34705	36483	38209	38843	39176	33841
SANTA CLARA	118992	130270	132642	130238	119274	99147
SANTA CRUZ	0	0	0	0	0	0
SHASTA	7159	8614	8128	10705	9937	11341
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	18925	20744	23049	24565	21919	19025
STANISLAUS	18386	20031	18212	19616	20889	17693
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	25718	24990	35787	26882	24134	14941
YOLO	0	0	0	0	0	0
YUBA	6066	7279	6551	7077	6677	5839

**Table 5 - Civil Aircraft,
Turboprop (Flight
Operations)**

	1982	1983	1984	1985	1986	1987
CALIFORNIA	933363	963312	1037946	980496	995809	1071537
ALAMEDA	92874	88630	90203	85855	91481	99084
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	0	0	5189	7996	7420	7372
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	27929	25214	29048	29140	28248	28027
DEL NORTE	0	0	0	0	0	0
EL DORADO	4827	5058	5092	4887	4291	4459
FRESNO (S)	21904	21544	22747	21434	23297	26077
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	17203	14769	15479	13919	13427	15491
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	316959	313780	335974	298807	296296	320184
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	0	0	0	0	7196	607
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	18665	20576	22589	21551	21502	21932
NAPA	15283	15319	14987	15430	15181	16401
NEVADA	0	0	0	0	0	0
ORANGE	74764	75853	79900	78422	81043	82151
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	34272	46409	52648	51863	50691	52194
SACRAMENTO	25863	25073	27651	27179	31611	37293
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	88884	101203	101800	98778	97036	104166
SAN FRANCISCO	19542	20096	19787	16622	23938	34915
SAN JOAQUIN	12607	12908	12934	12902	14385	14032
SAN LUIS OBISPO	0	0	0	0	0	3305
SAN MATEO	15711	18386	21199	19901	19834	22954
SANTA BARBARA	26345	34713	38082	35414	33136	35495
SANTA CLARA	71761	74569	89017	83930	79787	83414
SANTA CRUZ	0	0	0	0	0	0
SHASTA	10238	10894	11845	12093	10392	14505
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	14340	12815	13719	14635	15190	17208
STANISLAUS	12488	10815	12061	14010	14326	14142
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	10904	14688	15996	15727	16102	16130
YOLO	0	0	0	0	0	0
YUBA	0	0	0	0	0	0

**Table 5 - Civil Aircraft,
Turboprop (Flight
Operations)**

	1988	1989	1990	1991	1992	1993
CALIFORNIA	1207035	1381763	1374272	1294914	1305041	1385026
ALAMEDA	107015	121197	110573	102156	103516	110736
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	7161	8654	9276	9076	9524	10242
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	32095	37880	38431	34839	36460	38343
DEL NORIE	0	0	0	0	0	0
EL DORADO	4935	5031	4779	4271	4009	4465
FRESNO (S)	30858	33988	33951	31139	27792	29763
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	18080	18015	16354	16230	13709	15139
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	347745	423609	417555	390217	397155	414196
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	668	730	517	615	627	657
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	26179	28093	27154	24929	27024	29362
NAPA	21534	24624	23604	22419	25415	26668
NEVADA	0	0	0	0	0	0
ORANGE	89812	100223	89404	90597	96297	100793
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	60643	68791	65570	68706	65262	69204
SACRAMENTO	47064	55180	54954	49973	54290	57392
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	118835	135872	138524	126029	127617	135534
SAN FRANCISCO	47473	54696	61956	60921	59614	62468
SAN JOAQUIN	14481	15927	15792	14936	14628	15495
SAN LUIS OBISPO	13176	16744	16106	14377	13758	19828
SAN MATEO	23883	24868	24625	21856	21989	23406
SANTA BARBARA	38692	40313	40400	37221	34273	37872
SANTA CLARA	90237	94609	90581	86247	87998	93645
SANTA CRUZ	0	0	0	0	0	0
SHASTA	13856	14161	15211	13103	12570	13394
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	17893	21902	21941	19037	20326	21404
STANISLAUS	16422	17083	13548	11834	11580	12475
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	18298	19571	43465	44185	39608	42545
YOLO	0	0	0	0	0	0
YUBA	0	0	0	0	0	0

**Table 5 - Civil Aircraft,
Turboprop (Flight
Operations)**

	1994	1995	1996	1997	1998	1999
CALIFORNIA	1448562	1603288	1703753	1847192	1969164	2071700
ALAMEDA	116372	129125	137840	150215	160864	169930
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	10825	12058	12994	14259	15348	16273
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	39647	43767	46339	50077	53092	55467
DEL NORTE	0	0	0	0	0	0
EL DORADO	4871	5657	6105	6834	7495	8090
FRESNO (S)	31000	34700	36724	39972	42830	45327
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	16223	18120	19591	21784	23785	25596
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	430622	474137	498604	536911	568626	594464
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	677	744	783	886	982	1069
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	31587	35720	38777	43008	46779	50112
NAPA	27751	30531	32423	35118	37317	39074
NEVADA	0	0	0	0	0	0
ORANGE	105868	117626	125414	135663	144266	151387
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	72145	80036	84764	92149	98359	103505
SACRAMENTO	60355	66569	71529	77766	83458	88630
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	141307	156806	167116	182024	194840	205748
SAN FRANCISCO	65763	70037	74009	78337	82356	86098
SAN JOAQUIN	16373	18311	19569	21473	23111	24502
SAN LUIS OBISPO	20838	23372	25048	27464	29535	31290
SAN MATEO	24120	26388	27759	29879	31552	32833
SANTA BARBARA	40090	45214	48502	53194	57343	60981
SANTA CLARA	98084	108973	116178	126333	134879	141972
SANTA CRUZ	0	0	0	0	0	0
SHASTA	13937	15780	16907	18098	19006	19667
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	22327	24712	26144	28519	30517	32174
STANISLAUS	13125	14887	15968	17719	19274	20643
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	44653	50019	54667	59510	63550	66868
YOLO	0	0	0	0	0	0
YUBA	0	0	0	0	0	0

**Table 5 - Civil Aircraft,
Turboprop (Flight
Operations)**

	2000	2001	2002	2003	2004	2005
CALIFORNIA	2181291	2239957	2341172	2442457	2520192	2557113
ALAMEDA	179664	185944	195961	206061	214153	218663
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	17269	17836	18792	19758	20515	20899
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	58015	58889	61004	63084	64446	64617
DEL NORTE	0	0	0	0	0	0
EL DORADO	8731	9036	9538	10047	10450	10663
FRESNO (S)	47989	49494	51876	54275	56201	57288
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	27551	28616	30278	31968	33349	34160
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	622021	634906	659603	684129	701959	708450
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	1164	1179	1218	1256	1280	1280
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	53706	55471	58429	61413	63757	64958
NAPA	40960	41545	43004	44436	45362	45447
NEVADA	0	0	0	0	0	0
ORANGE	159004	163842	171879	179960	186302	189578
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	109030	111550	116369	121179	124707	126029
SACRAMENTO	94117	98703	104730	110795	116092	120009
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	217414	223257	233421	243599	251390	255036
SAN FRANCISCO	89928	92982	96621	100265	103588	106349
SAN JOAQUIN	26000	26714	28006	29302	30282	30709
SAN LUIS OBISPO	33179	34218	36002	37800	39197	39879
SAN MATEO	34205	34354	35210	36022	36405	36108
SANTA BARBARA	64888	67168	70780	74438	77393	79072
SANTA CLARA	149574	153239	160033	166820	171863	173902
SANTA CRUZ	0	0	0	0	0	0
SHASTA	20373	21018	22121	23233	24098	24524
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	33955	34729	36245	37758	38855	39239
STANISLAUS	22119	22864	24109	25367	26359	26870
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	70433	72404	75941	79493	82189	83383
YOLO	0	0	0	0	0	0
YUBA	0	0	0	0	0	0

**Table 5 - Civil Aircraft,
Turboprop (Flight
Operations)**

	2006	2007	2008	2009	2010	2011
CALIFORNIA	2591210	2625876	2661123	2696965	2733412	2770480
ALAMEDA	221366	224110	226896	229724	232596	235512
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	21137	21378	21621	21868	22118	22370
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	65267	65923	66587	67256	67933	68617
DEL NORTE	0	0	0	0	0	0
EL DORADO	10789	10916	11045	11176	11308	11443
FRESNO (S)	58216	59163	60128	61112	62116	63140
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	34599	35046	35499	35959	36426	36901
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	717991	727693	737560	747595	757803	768187
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	1304	1329	1354	1380	1406	1433
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	65725	66502	67290	68088	68896	69715
NAPA	45902	46361	46825	47294	47767	48245
NEVADA	0	0	0	0	0	0
ORANGE	191922	194301	196718	199172	201664	204196
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	127455	128900	130363	131845	133347	134868
SACRAMENTO	122195	124431	126719	129059	131454	133903
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	258308	261632	265010	268442	271929	275472
SAN FRANCISCO	109145	112019	114972	118007	121126	124333
SAN JOAQUIN	31035	31365	31699	32036	32377	32722
SAN LUIS OBISPO	40328	40782	41241	41707	42178	42654
SAN MATEO	36470	36835	37204	37577	37953	38333
SANTA BARBARA	80203	81353	82523	83713	84923	86154
SANTA CLARA	175924	177974	180052	182158	184294	186458
SANTA CRUZ	0	0	0	0	0	0
SHASTA	24814	25107	25404	25705	26009	26318
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	39657	40079	40505	40937	41373	41814
STANISLAUS	27175	27484	27797	28114	28434	28759
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	84282	85192	86111	87042	87982	88934
YOLO	0	0	0	0	0	0
YUBA	0	0	0	0	0	0

**Table 5 - Civil Aircraft,
Turboprop (Flight
Operations)**

	2012	2013	2014	2015	2016	2017
CALIFORNIA	2808180	2846526	2885533	2925214	2954466	2984011
ALAMEDA	238472	241479	244532	247633	250110	252611
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	22626	22886	23148	23413	23648	23884
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	69307	70005	70709	71421	72135	72856
DEL NORTE	0	0	0	0	0	0
EL DORADO	11578	11716	11856	11997	12117	12238
FRESNO (S)	64185	65250	66337	67447	68121	68802
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	37382	37871	38368	38872	39261	39653
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	778750	789496	800431	811556	819672	827869
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	1460	1487	1516	1545	1560	1576
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	70546	71387	72239	73103	73834	74573
NAPA	48727	49215	49707	50205	50707	51214
NEVADA	0	0	0	0	0	0
ORANGE	206767	209379	212033	214729	216876	219045
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	136409	137971	139553	141156	142568	143993
SACRAMENTO	136410	138975	141600	144287	145730	147187
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	279073	282734	286454	290236	293138	296069
SAN FRANCISCO	127628	131015	134496	138074	139455	140849
SAN JOAQUIN	33071	33423	33780	34140	34482	34827
SAN LUIS OBISPO	43137	43625	44119	44619	45066	45516
SAN MATEO	38717	39105	39497	39893	40292	40695
SANTA BARBARA	87407	88682	89979	91298	92211	93133
SANTA CLARA	188653	190878	193133	195421	197375	199349
SANTA CRUZ	0	0	0	0	0	0
SHASTA	26630	26947	27268	27593	27869	28148
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	42260	42711	43167	43629	44065	44506
STANISLAUS	29087	29419	29756	30097	30398	30702
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	89896	90870	91854	92850	93779	94716
YOLO	0	0	0	0	0	0
YUBA	0	0	0	0	0	0

**Table 5 - Civil Aircraft,
Turboprop (Flight
Operations)**

	2018	2019	2020
CALIFORNIA	3013851	3043989	3074429
ALAMEDA	255137	257688	260265
ALPINE	0	0	0
AMADOR	0	0	0
BUTTE	24123	24364	24608
CALAVERAS	0	0	0
COLUSA	0	0	0
CONTRA COSTA	73585	74321	75064
DEL NORTE	0	0	0
EL DORADO	12360	12484	12609
FRESNO (S)	69490	70185	70887
GLENN	0	0	0
HUMBOLDT	0	0	0
IMPERIAL	0	0	0
INYO	0	0	0
KERN	40050	40450	40855
KINGS	0	0	0
LAKE	0	0	0
LASSEN	0	0	0
LOS ANGELES	836147	844509	852954
MADERA	0	0	0
MARIN	0	0	0
MARIPOSA	0	0	0
MENDOCINO	0	0	0
MERCED	1591	1607	1623
MODOC	0	0	0
MONO	0	0	0
MONTEREY	75318	76072	76832
NAPA	51726	52243	52766
NEVADA	0	0	0
ORANGE	221236	223448	225682
PLACER	0	0	0
PLUMAS	0	0	0
RIVERSIDE	145433	146888	148357
SACRAMENTO	148659	150146	151647
SAN BENITO	0	0	0
SAN BERNARDINO	0	0	0
SAN DIEGO	299030	302020	305041
SAN FRANCISCO	142258	143680	145117
SAN JOAQUIN	35175	35527	35882
SAN LUIS OBISPO	45971	46431	46895
SAN MATEO	41101	41512	41928
SANTA BARBARA	94065	95005	95955
SANTA CLARA	201342	203356	205389
SANTA CRUZ	0	0	0
SHASTA	28429	28713	29000
SIERRA	0	0	0
SISKIYOU	0	0	0
SOLANO	0	0	0
SONOMA	44951	45400	45854
STANISLAUS	31009	31319	31632
SUTTER	0	0	0
TEHAMA	0	0	0
TRINITY	0	0	0
TULARE	0	0	0
TUOLUMNE	0	0	0
VENTURA	95663	96620	97586
YOLO	0	0	0
YUBA	0	0	0

Table 6 - Military Aircraft,
Jet (Flight Operations)

	1970	1971	1972	1973	1974	1975
CALIFORNIA	30397	34879	40339	47074	57124	65713
ALAMEDA	1398	1604	1855	2164	2626	3021
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	0	0	0	0	0	0
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	0	0	0	0	0	0
DEL NORTE	0	0	0	0	0	0
EL DORADO	175	200	232	271	328	378
FRESNO	3669	4209	4868	5681	6894	7931
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	699	802	927	1082	1313	1511
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	9259	10624	12287	14339	17400	20016
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	524	601	695	812	985	1133
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	1398	1604	1855	2164	2626	3021
NAPA	175	200	232	271	328	378
NEVADA	0	0	0	0	0	0
ORANGE	175	200	232	271	328	378
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	349	401	464	541	657	755
SACRAMENTO	3145	3608	4173	4870	5909	6798
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	5590	6414	7419	8657	10505	12085
SAN FRANCISCO	873	1002	1159	1353	1641	1888
SAN JOAQUIN	1922	2205	2550	2976	3611	4154
SAN LUIS OBISPO	0	0	0	0	0	0
SAN MATEO	0	0	0	0	0	0
SANTA BARBARA	349	401	464	541	657	755
SANTA CLARA	0	0	0	0	0	0
SANTA CRUZ	0	0	0	0	0	0
SHASTA	175	200	232	271	328	378
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	175	200	232	271	328	378
STANISLAUS	349	401	464	541	657	755
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	0	0	0	0	0	0
YOLO	0	0	0	0	0	0
YUBA	0	0	0	0	0	0

Table 6 - Military Aircraft,
Jet (Flight Operations)

	1976	1977	1978	1979	1980	1981
CALIFORNIA	83285	79934	77541	87320	79143	76714
ALAMEDA	3829	3829	2872	3003	1440	1301
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	0	0	0	250	410	387
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	0	0	0	232	321	262
DEL NORTE	0	0	0	0	0	0
EL DORADO	479	479	0	414	334	295
FRESNO	10052	9094	9094	7910	7525	8852
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	479	0	113	116	101
INYO	0	0	0	0	0	0
KERN	1915	1915	2393	1871	1539	1395
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	25368	24411	25368	37938	34860	36330
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	1436	0	479	486	455	761
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	3829	2393	2393	2870	2606	2212
NAPA	479	1915	957	714	813	465
NEVADA	0	0	0	0	0	0
ORANGE	479	479	479	640	998	630
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	957	957	479	797	704	609
SACRAMENTO	8616	7180	7658	6797	6240	4498
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	15317	15317	16274	12976	11114	9424
SAN FRANCISCO	2393	2393	1915	1337	1098	1109
SAN JOAQUIN	5265	4786	3829	3562	3392	3820
SAN LUIS OBISPO	0	0	0	0	0	0
SAN MATEO	0	0	0	53	52	32
SANTA BARBARA	957	957	479	897	865	1075
SANTA CLARA	0	479	479	860	997	517
SANTA CRUZ	0	0	0	0	0	0
SHASTA	479	957	0	374	513	522
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	479	479	479	653	569	502
STANISLAUS	957	957	957	673	573	405
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	0	479	479	704	329	218
YOLO	0	0	0	0	0	0
YUBA	0	0	479	1197	1279	992

Table 6 - Military Aircraft,
Jet (Flight Operations)

	1982	1983	1984	1985	1986	1987
CALIFORNIA	60968	65276	71044	89960	103828	95241
ALAMEDA	955	1115	1130	916	1134	1200
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	0	0	151	221	325	334
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	253	320	550	381	361	317
DEL NORTE	0	0	0	0	0	0
EL DORADO	181	273	359	426	628	435
FRESNO	8808	8634	6025	6082	5221	5083
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	1189	1409	1228	1408	2096	1541
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	28033	27981	30137	41061	43049	36585
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	0	0	0	0	645	0
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	2395	1866	1962	2403	7560	4061
NAPA	309	262	228	572	1289	1208
NEVADA	0	0	0	0	0	0
ORANGE	765	962	1004	822	704	1298
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	528	628	740	936	1219	1584
SACRAMENTO	4779	6138	6666	6075	7654	6195
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	5486	7339	10896	18284	21088	22993
SAN FRANCISCO	1155	1306	1304	1417	1310	1284
SAN JOAQUIN	3370	3577	4858	5061	5197	5759
SAN LUIS OBISPO	0	0	0	0	0	144
SAN MATEO	41	90	38	101	85	14
SANTA BARBARA	877	746	916	1134	1163	1143
SANTA CLARA	472	651	359	373	416	940
SANTA CRUZ	0	0	0	0	0	0
SHASTA	328	463	791	878	1177	1146
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	397	325	312	239	355	324
STANISLAUS	327	602	546	479	637	622
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	320	591	845	690	514	1031
YOLO	0	0	0	0	0	0
YUBA	0	0	0	0	0	0

Table 6 - Military Aircraft,
Jet (Flight Operations)

	1988	1989	1990	1991	1992	1993
CALIFORNIA	92720	88850	85081	95558	92455	101777
ALAMEDA	1072	989	1748	886	1213	951
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	1671	1795	1596	1041	1159	951
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	450	484	519	383	463	476
DEL NORTE	0	0	0	0	0	0
EL DORADO	361	385	411	357	461	476
FRESNO	5319	5079	6818	6173	6561	6183
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	1680	1901	2367	1778	1408	951
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	36054	33986	30270	30256	32882	36621
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	0	0	0	0	0	476
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	4758	6555	6571	6736	6604	6183
NAPA	691	731	800	514	536	476
NEVADA	0	0	0	0	0	0
ORANGE	2398	2666	751	305	333	476
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	1598	1858	1615	1730	2339	1902
SACRAMENTO	6712	5337	2275	2997	2942	2378
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	17133	14408	14410	18861	22879	21402
SAN FRANCISCO	1199	1267	1332	1209	1218	951
SAN JOAQUIN	6632	6380	7205	6653	5367	4756
SAN LUIS OBISPO	473	537	596	506	477	476
SAN MATEO	8	22	141	10276	175	9512
SANTA BARBARA	1303	1097	1030	981	1221	951
SANTA CLARA	544	444	417	324	528	476
SANTA CRUZ	0	0	0	0	0	0
SHASTA	856	1179	1683	1277	821	951
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	397	366	445	472	458	476
STANISLAUS	570	443	489	356	420	476
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	840	942	1590	1485	1989	2378
YOLO	0	0	0	0	0	0
YUBA	0	0	0	0	0	476

Table 6 - Military Aircraft,
Jet (Flight Operations)

	1994	1995	1996	1997	1998	1999
CALIFORNIA	102422	103373	103987	103547	103137	102970
ALAMEDA	957	966	972	971	971	973
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	957	966	972	971	971	973
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	479	483	486	364	243	122
DEL NORTE	0	0	0	0	0	0
EL DORADO	479	483	486	486	485	486
FRESNO	6222	6280	6317	6312	6310	6322
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	957	966	972	971	971	973
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	36853	37195	37416	37267	37129	37079
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	479	483	486	486	485	486
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	6222	6280	6317	6312	6310	6322
NAPA	479	483	486	486	485	486
NEVADA	0	0	0	0	0	0
ORANGE	479	483	486	486	485	486
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	1914	1932	1944	1821	1699	1580
SACRAMENTO	2393	2415	2430	2428	2427	2431
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	21537	21737	21866	21850	21841	21883
SAN FRANCISCO	957	966	972	971	971	973
SAN JOAQUIN	4786	4830	4859	4856	4854	4863
SAN LUIS OBISPO	479	483	486	486	485	486
SAN MATEO	9572	9661	9718	9711	9707	9726
SANTA BARBARA	957	966	972	971	971	973
SANTA CLARA	479	483	486	486	485	486
SANTA CRUZ	0	0	0	0	0	0
SHASTA	957	966	972	971	971	973
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	479	483	486	486	485	486
STANISLAUS	479	483	486	486	485	486
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	2393	2415	2430	2428	2427	2431
YOLO	0	0	0	0	0	0
YUBA	479	483	486	486	485	486

**Table 6 - Military Aircraft,
Jet (Flight Operations)**

	2000	2001	2002	2003	2004	2005
CALIFORNIA	103053	103185	103008	102871	102615	102419
ALAMEDA	977	980	980	981	980	980
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	977	980	980	981	980	980
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	0	0	0	0	0	0
DEL NORTE	0	0	0	0	0	0
EL DORADO	488	490	490	490	490	490
FRESNO	6349	6369	6371	6374	6371	6371
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	977	980	980	981	980	980
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	37119	37041	36852	36677	36459	36263
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	488	490	490	490	490	490
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	6349	6369	6371	6374	6371	6371
NAPA	488	490	490	490	490	490
NEVADA	0	0	0	0	0	0
ORANGE	488	490	490	490	490	490
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	1465	1470	1470	1471	1470	1470
SACRAMENTO	2442	2450	2450	2452	2450	2450
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	21978	22048	22052	22065	22052	22052
SAN FRANCISCO	977	980	980	981	980	980
SAN JOAQUIN	4884	4900	4900	4903	4900	4900
SAN LUIS OBISPO	488	490	490	490	490	490
SAN MATEO	9768	9799	9801	9807	9801	9801
SANTA BARBARA	977	980	980	981	980	980
SANTA CLARA	488	490	490	490	490	490
SANTA CRUZ	0	0	0	0	0	0
SHASTA	977	980	980	981	980	980
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	488	490	490	490	490	490
STANISLAUS	488	490	490	490	490	490
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	2442	2450	2450	2452	2450	2450
YOLO	0	0	0	0	0	0
YUBA	488	490	490	490	490	490

Table 6 - Military Aircraft,
Jet (Flight Operations)

	2006	2007	2008	2009	2010	2011
CALIFORNIA	102419	102419	102419	102419	102419	102419
ALAMEDA	980	980	980	980	980	980
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	980	980	980	980	980	980
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	0	0	0	0	0	0
DEL NORIE	0	0	0	0	0	0
EL DORADO	490	490	490	490	490	490
FRESNO	6371	6371	6371	6371	6371	6371
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	980	980	980	980	980	980
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	36263	36263	36263	36263	36263	36263
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	490	490	490	490	490	490
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	6371	6371	6371	6371	6371	6371
NAPA	490	490	490	490	490	490
NEVADA	0	0	0	0	0	0
ORANGE	490	490	490	490	490	490
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	1470	1470	1470	1470	1470	1470
SACRAMENTO	2450	2450	2450	2450	2450	2450
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	22052	22052	22052	22052	22052	22052
SAN FRANCISCO	980	980	980	980	980	980
SAN JOAQUIN	4900	4900	4900	4900	4900	4900
SAN LUIS OBISPO	490	490	490	490	490	490
SAN MATEO	9801	9801	9801	9801	9801	9801
SANTA BARBARA	980	980	980	980	980	980
SANTA CLARA	490	490	490	490	490	490
SANTA CRUZ	0	0	0	0	0	0
SHASTA	980	980	980	980	980	980
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	490	490	490	490	490	490
STANISLAUS	490	490	490	490	490	490
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	2450	2450	2450	2450	2450	2450
YOLO	0	0	0	0	0	0
YUBA	490	490	490	490	490	490

**Table 6 - Military Aircraft,
Jet (Flight Operations)**

	2012	2013	2014	2015	2016	2017
CALIFORNIA	102419	102419	102419	102419	102419	102419
ALAMEDA	980	980	980	980	980	980
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	980	980	980	980	980	980
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	0	0	0	0	0	0
DEL NORTE	0	0	0	0	0	0
EL DORADO	490	490	490	490	490	490
FRESNO	6371	6371	6371	6371	6371	6371
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	980	980	980	980	980	980
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	36263	36263	36263	36263	36263	36263
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	490	490	490	490	490	490
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	6371	6371	6371	6371	6371	6371
NAPA	490	490	490	490	490	490
NEVADA	0	0	0	0	0	0
ORANGE	490	490	490	490	490	490
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	1470	1470	1470	1470	1470	1470
SACRAMENTO	2450	2450	2450	2450	2450	2450
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	22052	22052	22052	22052	22052	22052
SAN FRANCISCO	980	980	980	980	980	980
SAN JOAQUIN	4900	4900	4900	4900	4900	4900
SAN LUIS OBISPO	490	490	490	490	490	490
SAN MATEO	9801	9801	9801	9801	9801	9801
SANTA BARBARA	980	980	980	980	980	980
SANTA CLARA	490	490	490	490	490	490
SANTA CRUZ	0	0	0	0	0	0
SHASTA	980	980	980	980	980	980
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	490	490	490	490	490	490
STANISLAUS	490	490	490	490	490	490
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	2450	2450	2450	2450	2450	2450
YOLO	0	0	0	0	0	0
YUBA	490	490	490	490	490	490

**Table 6 - Military Aircraft,
Jet (Flight Operations)**

	2018	2019	2020
CALIFORNIA	102419	102419	102419
ALAMEDA	980	980	980
ALPINE	0	0	0
AMADOR	0	0	0
BUTTE	980	980	980
CALAVERAS	0	0	0
COLUSA	0	0	0
CONTRA COSTA	0	0	0
DEL NORTE	0	0	0
EL DORADO	490	490	490
FRESNO	6371	6371	6371
GLENN	0	0	0
HUMBOLDT	0	0	0
IMPERIAL	0	0	0
INYO	0	0	0
KERN	980	980	980
KINGS	0	0	0
LAKE	0	0	0
LASSEN	0	0	0
LOS ANGELES	36263	36263	36263
MADERA	0	0	0
MARIN	0	0	0
MARIPOSA	0	0	0
MENDOCINO	0	0	0
MERCED	490	490	490
MODOC	0	0	0
MONO	0	0	0
MONTEREY	6371	6371	6371
NAPA	490	490	490
NEVADA	0	0	0
ORANGE	490	490	490
PLACER	0	0	0
PLUMAS	0	0	0
RIVERSIDE	1470	1470	1470
SACRAMENTO	2450	2450	2450
SAN BENITO	0	0	0
SAN BERNARDINO	0	0	0
SAN DIEGO	22052	22052	22052
SAN FRANCISCO	980	980	980
SAN JOAQUIN	4900	4900	4900
SAN LUIS OBISPO	490	490	490
SAN MATEO	9801	9801	9801
SANTA BARBARA	980	980	980
SANTA CLARA	490	490	490
SANTA CRUZ	0	0	0
SHASTA	980	980	980
SIERRA	0	0	0
SISKIYOU	0	0	0
SOLANO	0	0	0
SONOMA	490	490	490
STANISLAUS	490	490	490
SUTTER	0	0	0
TEHAMA	0	0	0
TRINITY	0	0	0
TULARE	0	0	0
TUOLUMNE	0	0	0
VENTURA	2450	2450	2450
YOLO	0	0	0
YUBA	490	490	490

Table 7 - Military Aircraft,
Piston (Flight Operations)

	1970	1971	1972	1973	1974	1975
CALIFORNIA	8628	9900	11450	13362	16215	18653
ALAMEDA	397	455	526	614	746	858
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	0	0	0	0	0	0
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	0	0	0	0	0	0
DEL NORTE	0	0	0	0	0	0
EL DORADO	50	57	66	77	93	107
FRESNO	1041	1195	1382	1613	1957	2251
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	198	228	263	307	373	429
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	2628	3016	3488	4070	4939	5682
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	149	171	197	230	280	322
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	397	455	526	614	746	858
NAPA	50	57	66	77	93	107
NEVADA	0	0	0	0	0	0
ORANGE	50	57	66	77	93	107
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	99	114	132	154	186	214
SACRAMENTO	893	1024	1185	1382	1677	1930
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	1587	1821	2106	2457	2982	3430
SAN FRANCISCO	248	284	329	384	466	536
SAN JOAQUIN	545	626	724	845	1025	1179
SAN LUIS OBISPO	0	0	0	0	0	0
SAN MATEO	0	0	0	0	0	0
SANTA BARBARA	99	114	132	154	186	214
SANTA CLARA	0	0	0	0	0	0
SANTA CRUZ	0	0	0	0	0	0
SHASTA	50	57	66	77	93	107
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	50	57	66	77	93	107
STANISLAUS	99	114	132	154	186	214
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	0	0	0	0	0	0
YOLO	0	0	0	0	0	0
YUBA	0	0	0	0	0	0

**Table 7 - Military Aircraft,
Piston (Flight Operations)**

	1976	1977	1978	1979	1980	1981
CALIFORNIA	23641	22690	22010	24786	22465	21775
ALAMEDA	1087	1087	815	852	409	369
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	0	0	0	71	116	110
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	0	0	0	66	91	74
DEL NORTE	0	0	0	0	0	0
EL DORADO	136	136	0	117	95	84
FRESNO	2853	2581	2581	2245	2136	2513
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	136	0	32	33	29
INYO	0	0	0	0	0	0
KERN	543	543	679	531	437	396
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	7201	6929	7201	10769	9895	10312
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	408	0	136	138	129	216
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	1087	679	679	815	740	628
NAPA	136	543	272	203	231	132
NEVADA	0	0	0	0	0	0
ORANGE	136	136	136	182	283	179
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	272	272	136	226	200	173
SACRAMENTO	2446	2038	2174	1929	1771	1277
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	4348	4348	4619	3683	3155	2675
SAN FRANCISCO	679	679	543	380	312	315
SAN JOAQUIN	1495	1359	1087	1011	963	1084
SAN LUIS OBISPO	0	0	0	0	0	0
SAN MATEO	0	0	0	15	15	9
SANTA BARBARA	272	272	136	254	246	305
SANTA CLARA	0	136	136	244	283	147
SANTA CRUZ	0	0	0	0	0	0
SHASTA	136	272	0	106	146	148
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	136	136	136	185	161	142
STANISLAUS	272	272	272	191	163	115
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	0	136	136	200	93	62
YOLO	0	0	0	0	0	0
YUBA	0	0	136	340	363	282

Table 7 - Military Aircraft,
Piston (Flight Operations)

	1982	1983	1984	1985	1986	1987
CALIFORNIA	17306	18529	20166	25535	29472	27034
ALAMEDA	271	316	321	260	322	341
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	0	0	43	63	92	95
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	72	91	156	108	103	90
DEL NORTE	0	0	0	0	0	0
EL DORADO	51	77	102	121	178	123
FRESNO	2500	2451	1710	1726	1482	1443
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	338	400	348	400	595	437
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	7957	7942	8554	11655	12220	10385
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	0	0	0	0	183	0
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	680	530	557	682	2146	1153
NAPA	88	74	65	162	366	343
NEVADA	0	0	0	0	0	0
ORANGE	217	273	285	233	200	368
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	150	178	210	266	346	450
SACRAMENTO	1356	1742	1892	1725	2173	1759
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	1557	2083	3093	5190	5986	6527
SAN FRANCISCO	328	371	370	402	372	365
SAN JOAQUIN	957	1015	1379	1437	1475	1635
SAN LUIS OBISPO	0	0	0	0	0	41
SAN MATEO	12	26	11	29	24	4
SANTA BARBARA	249	212	260	322	330	325
SANTA CLARA	134	185	102	106	118	267
SANTA CRUZ	0	0	0	0	0	0
SHASTA	93	131	224	249	334	325
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	113	92	89	68	101	92
STANISLAUS	93	171	155	136	181	176
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	91	168	240	196	146	293
YOLO	0	0	0	0	0	0
YUBA	0	0	0	0	0	0

**Table 7 - Military Aircraft,
Piston (Flight Operations)**

	1988	1989	1990	1991	1992	1993
CALIFORNIA	21908	20896	20115	18229	17089	19815
ALAMEDA	253	232	413	169	224	185
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	395	422	377	199	214	185
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	106	114	123	73	86	93
DEL NORTE	0	0	0	0	0	0
EL DORADO	85	90	97	68	85	93
FRESNO	1257	1194	1612	1178	1213	1204
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	397	447	560	339	260	185
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	8519	7993	7156	5772	6078	7130
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	0	0	0	0	0	93
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	1124	1542	1553	1285	1221	1204
NAPA	163	172	189	98	99	93
NEVADA	0	0	0	0	0	0
ORANGE	567	627	178	58	62	93
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	378	437	382	330	432	370
SACRAMENTO	1586	1255	538	572	544	463
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	4048	3388	3407	3598	4229	4167
SAN FRANCISCO	283	298	315	231	225	185
SAN JOAQUIN	1567	1500	1703	1269	992	926
SAN LUIS OBISPO	112	126	141	97	88	93
SAN MATEO	2	5	33	1960	32	1852
SANTA BARBARA	308	258	244	187	226	185
SANTA CLARA	129	104	99	62	98	93
SANTA CRUZ	0	0	0	0	0	0
SHASTA	202	277	398	244	152	185
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	94	86	105	90	85	93
STANISLAUS	135	104	116	68	78	93
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	198	222	376	283	368	463
YOLO	0	0	0	0	0	0
YUBA	0	0	0	0	0	93

Table 7 - Military Aircraft,
Piston (Flight Operations)

	1994	1995	1996	1997	1998	1999
CALIFORNIA	18218	16258	16833	15507	14644	12365
ALAMEDA	170	152	157	145	138	117
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	170	152	157	145	138	117
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	85	76	79	55	34	15
DEL NORTE	0	0	0	0	0	0
EL DORADO	85	76	79	73	69	58
FRESNO	1107	988	1023	945	896	759
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	170	152	157	145	138	117
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	6555	5850	6057	5581	5272	4453
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	85	76	79	73	69	58
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	1107	988	1023	945	896	759
NAPA	85	76	79	73	69	58
NEVADA	0	0	0	0	0	0
ORANGE	85	76	79	73	69	58
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	341	304	315	273	241	190
SACRAMENTO	426	380	393	364	345	292
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	3831	3419	3540	3272	3101	2628
SAN FRANCISCO	170	152	157	145	138	117
SAN JOAQUIN	851	760	787	727	689	584
SAN LUIS OBISPO	85	76	79	73	69	58
SAN MATEO	1703	1519	1573	1454	1378	1168
SANTA BARBARA	170	152	157	145	138	117
SANTA CLARA	85	76	79	73	69	58
SANTA CRUZ	0	0	0	0	0	0
SHASTA	170	152	157	145	138	117
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	85	76	79	73	69	58
STANISLAUS	85	76	79	73	69	58
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	426	380	393	364	345	292
YOLO	0	0	0	0	0	0
YUBA	85	76	79	73	69	58

**Table 7 - Military Aircraft,
Piston (Flight Operations)**

	2000	2001	2002	2003	2004	2005
CALIFORNIA	11670	10042	9732	9427	9162	9144
ALAMEDA	111	95	93	90	88	88
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	111	95	93	90	88	88
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	0	0	0	0	0	0
DEL NORTE	0	0	0	0	0	0
EL DORADO	55	48	46	45	44	44
FRESNO	719	620	602	584	569	569
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	111	95	93	90	88	88
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	4203	3605	3482	3361	3255	3238
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	55	48	46	45	44	44
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	719	620	602	584	569	569
NAPA	55	48	46	45	44	44
NEVADA	0	0	0	0	0	0
ORANGE	55	48	46	45	44	44
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	166	143	139	135	131	131
SACRAMENTO	277	238	231	225	219	219
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	2489	2146	2083	2022	1969	1969
SAN FRANCISCO	111	95	93	90	88	88
SAN JOAQUIN	553	477	463	449	438	438
SAN LUIS OBISPO	55	48	46	45	44	44
SAN MATEO	1106	954	926	899	875	875
SANTA BARBARA	111	95	93	90	88	88
SANTA CLARA	55	48	46	45	44	44
SANTA CRUZ	0	0	0	0	0	0
SHASTA	111	95	93	90	88	88
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	55	48	46	45	44	44
STANISLAUS	55	48	46	45	44	44
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	277	238	231	225	219	219
YOLO	0	0	0	0	0	0
YUBA	55	48	46	45	44	44

**Table 7 - Military Aircraft,
Piston (Flight Operations)**

	2006	2007	2008	2009	2010	2011
CALIFORNIA	9144	9144	9144	9144	9144	9144
ALAMEDA	88	88	88	88	88	88
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	88	88	88	88	88	88
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	0	0	0	0	0	0
DEL NORTE	0	0	0	0	0	0
EL DORADO	44	44	44	44	44	44
FRESNO	569	569	569	569	569	569
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	88	88	88	88	88	88
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	3238	3238	3238	3238	3238	3238
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	44	44	44	44	44	44
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	569	569	569	569	569	569
NAPA	44	44	44	44	44	44
NEVADA	0	0	0	0	0	0
ORANGE	44	44	44	44	44	44
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	131	131	131	131	131	131
SACRAMENTO	219	219	219	219	219	219
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	1969	1969	1969	1969	1969	1969
SAN FRANCISCO	88	88	88	88	88	88
SAN JOAQUIN	438	438	438	438	438	438
SAN LUIS OBISPO	44	44	44	44	44	44
SAN MATEO	875	875	875	875	875	875
SANTA BARBARA	88	88	88	88	88	88
SANTA CLARA	44	44	44	44	44	44
SANTA CRUZ	0	0	0	0	0	0
SHASTA	88	88	88	88	88	88
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	44	44	44	44	44	44
STANISLAUS	44	44	44	44	44	44
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	219	219	219	219	219	219
YOLO	0	0	0	0	0	0
YUBA	44	44	44	44	44	44

Table 7 - Military Aircraft,
Piston (Flight Operations)

	2012	2013	2014	2015	2016	2017
CALIFORNIA	9144	9144	9144	9144	9144	9144
ALAMEDA	88	88	88	88	88	88
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	88	88	88	88	88	88
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	0	0	0	0	0	0
DEL NORTE	0	0	0	0	0	0
EL DORADO	44	44	44	44	44	44
FRESNO	569	569	569	569	569	569
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	88	88	88	88	88	88
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	3238	3238	3238	3238	3238	3238
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	44	44	44	44	44	44
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	569	569	569	569	569	569
NAPA	44	44	44	44	44	44
NEVADA	0	0	0	0	0	0
ORANGE	44	44	44	44	44	44
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	131	131	131	131	131	131
SACRAMENTO	219	219	219	219	219	219
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	1969	1969	1969	1969	1969	1969
SAN FRANCISCO	88	88	88	88	88	88
SAN JOAQUIN	438	438	438	438	438	438
SAN LUIS OBISPO	44	44	44	44	44	44
SAN MATEO	875	875	875	875	875	875
SANTA BARBARA	88	88	88	88	88	88
SANTA CLARA	44	44	44	44	44	44
SANTA CRUZ	0	0	0	0	0	0
SHASTA	88	88	88	88	88	88
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	44	44	44	44	44	44
STANISLAUS	44	44	44	44	44	44
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	219	219	219	219	219	219
YOLO	0	0	0	0	0	0
YUBA	44	44	44	44	44	44

**Table 7 - Military Aircraft,
Piston (Flight Operations)**

	2018	2019	2020
CALIFORNIA	9144	9144	9144
ALAMEDA	88	88	88
ALPINE	0	0	0
AMADOR	0	0	0
BUTTE	88	88	88
CALAVERAS	0	0	0
COLUSA	0	0	0
CONTRA COSTA	0	0	0
DEL NORTE	0	0	0
EL DORADO	44	44	44
FRESNO	569	569	569
GLENN	0	0	0
HUMBOLDT	0	0	0
IMPERIAL	0	0	0
INYO	0	0	0
KERN	88	88	88
KINGS	0	0	0
LAKE	0	0	0
LASSEN	0	0	0
LOS ANGELES	3238	3238	3238
MADERA	0	0	0
MARIN	0	0	0
MARIPOSA	0	0	0
MENDOCINO	0	0	0
MERCED	44	44	44
MODOC	0	0	0
MONO	0	0	0
MONTEREY	569	569	569
NAPA	44	44	44
NEVADA	0	0	0
ORANGE	44	44	44
PLACER	0	0	0
PLUMAS	0	0	0
RIVERSIDE	131	131	131
SACRAMENTO	219	219	219
SAN BENITO	0	0	0
SAN BERNARDINO	0	0	0
SAN DIEGO	1969	1969	1969
SAN FRANCISCO	88	88	88
SAN JOAQUIN	438	438	438
SAN LUIS OBISPO	44	44	44
SAN MATEO	875	875	875
SANTA BARBARA	88	88	88
SANTA CLARA	44	44	44
SANTA CRUZ	0	0	0
SHASTA	88	88	88
SIERRA	0	0	0
SISKIYOU	0	0	0
SOLANO	0	0	0
SONOMA	44	44	44
STANISLAUS	44	44	44
SUTTER	0	0	0
TEHAMA	0	0	0
TRINITY	0	0	0
TULARE	0	0	0
TUOLUMNE	0	0	0
VENTURA	219	219	219
YOLO	0	0	0
YUBA	44	44	44

**Table 8 - Military Aircraft,
Turboprop (Flight
Operations)**

	1970	1971	1972	1973	1974	1975
CALIFORNIA	24481	28090	32487	37912	46005	52922
ALAMEDA	1126	1291	1494	1743	2115	2433
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	0	0	0	0	0	0
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	0	0	0	0	0	0
DEL NORTE	0	0	0	0	0	0
EL DORADO	141	161	187	218	264	304
FRESNO	2955	3390	3921	4576	5552	6387
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	563	646	747	872	1058	1217
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	7457	8556	9896	11548	14013	16120
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	422	484	560	654	793	912
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	1126	1291	1494	1743	2115	2433
NAPA	141	161	187	218	264	304
NEVADA	0	0	0	0	0	0
ORANGE	141	161	187	218	264	304
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	281	323	373	436	529	608
SACRAMENTO	2532	2906	3361	3922	4759	5475
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	4502	5166	5975	6972	8461	9733
SAN FRANCISCO	703	807	934	1089	1322	1521
SAN JOAQUIN	1548	1776	2054	2397	2908	3346
SAN LUIS OBISPO	0	0	0	0	0	0
SAN MATEO	0	0	0	0	0	0
SANTA BARBARA	281	323	373	436	529	608
SANTA CLARA	0	0	0	0	0	0
SANTA CRUZ	0	0	0	0	0	0
SHASTA	141	161	187	218	264	304
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	141	161	187	218	264	304
STANISLAUS	281	323	373	436	529	608
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	0	0	0	0	0	0
YOLO	0	0	0	0	0	0
YUBA	0	0	0	0	0	0

**Table 8 - Military Aircraft,
Turboprop (Flight
Operations)**

	1976	1977	1978	1979	1980	1981
CALIFORNIA	67075	64376	62449	70324	63739	61783
ALAMEDA	3084	3084	2313	2418	1160	1048
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	0	0	0	201	330	311
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	0	0	0	187	259	211
DEL NORTE	0	0	0	0	0	0
EL DORADO	385	385	0	333	269	237
FRESNO	8095	7324	7324	6371	6060	7129
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	385	0	91	94	81
INYO	0	0	0	0	0	0
KERN	1542	1542	1927	1506	1240	1124
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	20431	19660	20431	30554	28075	29259
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	1156	0	385	392	367	613
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	3084	1927	1927	2311	2099	1781
NAPA	385	1542	771	575	655	375
NEVADA	0	0	0	0	0	0
ORANGE	385	385	385	516	804	507
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	771	771	385	642	567	490
SACRAMENTO	6939	5782	6168	5474	5026	3622
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	12336	12336	13107	10451	8951	7590
SAN FRANCISCO	1927	1927	1542	1077	884	893
SAN JOAQUIN	4240	3855	3084	2869	2732	3077
SAN LUIS OBISPO	0	0	0	0	0	0
SAN MATEO	0	0	0	43	42	26
SANTA BARBARA	771	771	385	722	697	865
SANTA CLARA	0	385	385	692	803	417
SANTA CRUZ	0	0	0	0	0	0
SHASTA	385	771	0	301	413	420
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	385	385	385	526	458	404
STANISLAUS	771	771	771	542	462	327
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	0	385	385	567	265	175
YOLO	0	0	0	0	0	0
YUBA	0	0	385	964	1030	799

**Table 8 - Military Aircraft,
Turboprop (Flight
Operations)**

	1982	1983	1984	1985	1986	1987
CALIFORNIA	49102	52571	57217	72451	83619	76704
ALAMEDA	769	898	910	738	913	967
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	0	0	122	178	262	269
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	204	258	443	307	291	256
DEL NORTE	0	0	0	0	0	0
EL DORADO	146	220	289	343	506	350
FRESNO	7094	6953	4852	4898	4205	4094
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	958	1134	989	1134	1688	1241
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	22577	22535	24271	33069	34670	29464
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	0	0	0	0	520	0
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTIEREY	1929	1503	1580	1936	6088	3270
NAPA	249	211	183	460	1038	973
NEVADA	0	0	0	0	0	0
ORANGE	616	775	809	662	567	1045
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	425	506	596	754	981	1276
SACRAMENTO	3849	4943	5369	4893	6164	4989
SAN BENTITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	4418	5911	8776	14725	16984	18518
SAN FRANCISCO	930	1052	1050	1141	1055	1034
SAN JOAQUIN	2714	2881	3912	4076	4185	4638
SAN LUIS OBISPO	0	0	0	0	0	116
SAN MATEO	33	72	31	81	69	11
SANTA BARBARA	707	601	738	913	937	921
SANTA CLARA	380	524	289	300	335	757
SANTA CRUZ	0	0	0	0	0	0
SHASTA	264	373	637	707	948	923
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	320	261	251	192	286	261
STANISLAUS	263	485	440	386	513	501
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	258	476	680	555	414	830
YOLO	0	0	0	0	0	0
YUBA	0	0	0	0	0	0

**Table 8 - Military Aircraft,
Turboprop (Flight
Operations)**

	1988	1989	1990	1991	1992	1993
CALIFORNIA	81076	70021	59193	72878	74085	92408
ALAMEDA	937	779	1216	676	972	864
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	1461	1414	1110	794	928	864
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	393	381	361	292	371	432
DEL NORTE	0	0	0	0	0	0
EL DORADO	315	303	286	272	370	432
FRESNO	4651	4003	4744	4708	5258	5614
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	1469	1498	1647	1356	1128	864
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	31526	26783	21060	23075	26349	33250
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	0	0	0	0	0	432
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	4161	5166	4572	5138	5292	5614
NAPA	604	576	556	392	430	432
NEVADA	0	0	0	0	0	0
ORANGE	2097	2101	522	233	267	432
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	1397	1464	1124	1320	1874	1727
SACRAMENTO	5870	4206	1583	2286	2358	2159
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	14982	11355	10025	14385	18333	19432
SAN FRANCISCO	1049	998	927	922	976	864
SAN JOAQUIN	5799	5028	5013	5074	4301	4318
SAN LUIS OBISPO	414	423	415	386	382	432
SAN MATEO	7	17	98	7837	140	8636
SANTA BARBARA	1140	865	717	748	978	864
SANTA CLARA	476	350	290	247	423	432
SANTA CRUZ	0	0	0	0	0	0
SHASTA	749	929	1171	974	658	864
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	348	289	309	360	367	432
STANISLAUS	499	349	340	272	336	432
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	735	742	1107	1133	1594	2159
YOLO	0	0	0	0	0	0
YUBA	0	0	0	0	0	432

**Table 8 - Military Aircraft,
Turboprop (Flight
Operations)**

	1994	1995	1996	1997	1998	1999
CALIFORNIA	93360	94370	93180	94196	94718	96415
ALAMEDA	873	882	871	883	891	911
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	873	882	871	883	891	911
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	436	441	435	331	223	114
DEL NORTE	0	0	0	0	0	0
EL DORADO	436	441	435	442	446	455
FRESNO	5671	5733	5660	5742	5795	5919
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	873	882	871	883	891	911
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	33592	33956	33527	33902	34099	34718
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	436	441	435	442	446	455
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	5671	5733	5660	5742	5795	5919
NAPA	436	441	435	442	446	455
NEVADA	0	0	0	0	0	0
ORANGE	436	441	435	442	446	455
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	1745	1764	1742	1656	1560	1480
SACRAMENTO	2181	2205	2177	2209	2229	2277
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	19632	19844	19594	19877	20058	20490
SAN FRANCISCO	873	882	871	883	891	911
SAN JOAQUIN	4363	4410	4354	4417	4457	4553
SAN LUIS OBISPO	436	441	435	442	446	455
SAN MATEO	8725	8820	8708	8834	8915	9106
SANTA BARBARA	873	882	871	883	891	911
SANTA CLARA	436	441	435	442	446	455
SANTA CRUZ	0	0	0	0	0	0
SHASTA	873	882	871	883	891	911
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	436	441	435	442	446	455
STANISLAUS	436	441	435	442	446	455
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	2181	2205	2177	2209	2229	2277
YOLO	0	0	0	0	0	0
YUBA	436	441	435	442	446	455

**Table 8 - Military Aircraft,
Turboprop (Flight
Operations)**

	2000	2001	2002	2003	2004	2005
CALIFORNIA	96277	97373	97460	97502	97623	97437
ALAMEDA	913	925	927	929	932	932
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	913	925	927	929	932	932
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	0	0	0	0	0	0
DEL NORTE	0	0	0	0	0	0
EL DORADO	456	462	464	465	466	466
FRESNO	5932	6011	6028	6042	6061	6061
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	913	925	927	929	932	932
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	34678	34954	34867	34762	34686	34499
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	456	462	464	465	466	466
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	5932	6011	6028	6042	6061	6061
NAPA	456	462	464	465	466	466
NEVADA	0	0	0	0	0	0
ORANGE	456	462	464	465	466	466
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	1369	1387	1391	1394	1399	1399
SACRAMENTO	2281	2312	2318	2324	2331	2331
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	20533	20806	20864	20913	20979	20979
SAN FRANCISCO	913	925	927	929	932	932
SAN JOAQUIN	4563	4624	4637	4647	4662	4662
SAN LUIS OBISPO	456	462	464	465	466	466
SAN MATEO	9126	9247	9273	9295	9324	9324
SANTA BARBARA	913	925	927	929	932	932
SANTA CLARA	456	462	464	465	466	466
SANTA CRUZ	0	0	0	0	0	0
SHASTA	913	925	927	929	932	932
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	456	462	464	465	466	466
STANISLAUS	456	462	464	465	466	466
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	2281	2312	2318	2324	2331	2331
YOLO	0	0	0	0	0	0
YUBA	456	462	464	465	466	466

**Table 8 - Military Aircraft,
Turboprop (Flight
Operations)**

	2006	2007	2008	2009	2010	2011
CALIFORNIA	97437	97437	97437	97437	97437	97437
ALAMEDA	932	932	932	932	932	932
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	932	932	932	932	932	932
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	0	0	0	0	0	0
DEL NORTE	0	0	0	0	0	0
EL DORADO	466	466	466	466	466	466
FRESNO	6061	6061	6061	6061	6061	6061
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	932	932	932	932	932	932
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	34499	34499	34499	34499	34499	34499
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	466	466	466	466	466	466
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	6061	6061	6061	6061	6061	6061
NAPA	466	466	466	466	466	466
NEVADA	0	0	0	0	0	0
ORANGE	466	466	466	466	466	466
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	1399	1399	1399	1399	1399	1399
SACRAMENTO	2331	2331	2331	2331	2331	2331
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	20979	20979	20979	20979	20979	20979
SAN FRANCISCO	932	932	932	932	932	932
SAN JOAQUIN	4662	4662	4662	4662	4662	4662
SAN LUIS OBISPO	466	466	466	466	466	466
SAN MATEO	9324	9324	9324	9324	9324	9324
SANTA BARBARA	932	932	932	932	932	932
SANTA CLARA	466	466	466	466	466	466
SANTA CRUZ	0	0	0	0	0	0
SHASTA	932	932	932	932	932	932
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	466	466	466	466	466	466
STANISLAUS	466	466	466	466	466	466
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	2331	2331	2331	2331	2331	2331
YOLO	0	0	0	0	0	0
YUBA	466	466	466	466	466	466

**Table 8 - Military Aircraft,
Turboprop (Flight
Operations)**

	2012	2013	2014	2015	2016	2017
CALIFORNIA	97437	97437	97437	97437	97437	97437
ALAMEDA	932	932	932	932	932	932
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	932	932	932	932	932	932
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	0	0	0	0	0	0
DEL NORTE	0	0	0	0	0	0
EL DORADO	466	466	466	466	466	466
FRESNO	6061	6061	6061	6061	6061	6061
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	932	932	932	932	932	932
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	34499	34499	34499	34499	34499	34499
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	466	466	466	466	466	466
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	6061	6061	6061	6061	6061	6061
NAPA	466	466	466	466	466	466
NEVADA	0	0	0	0	0	0
ORANGE	466	466	466	466	466	466
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	1399	1399	1399	1399	1399	1399
SACRAMENTO	2331	2331	2331	2331	2331	2331
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	20979	20979	20979	20979	20979	20979
SAN FRANCISCO	932	932	932	932	932	932
SAN JOAQUIN	4662	4662	4662	4662	4662	4662
SAN LUIS OBISPO	466	466	466	466	466	466
SAN MATEO	9324	9324	9324	9324	9324	9324
SANTA BARBARA	932	932	932	932	932	932
SANTA CLARA	466	466	466	466	466	466
SANTA CRUZ	0	0	0	0	0	0
SHASTA	932	932	932	932	932	932
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	466	466	466	466	466	466
STANISLAUS	466	466	466	466	466	466
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	2331	2331	2331	2331	2331	2331
YOLO	0	0	0	0	0	0
YUBA	466	466	466	466	466	466

**Table 8 - Military Aircraft,
Turboprop (Flight
Operations)**

	2018	2019	2020
CALIFORNIA	97437	97437	97437
ALAMEDA	932	932	932
ALPINE	0	0	0
AMADOR	0	0	0
BUTTE	932	932	932
CALAVERAS	0	0	0
COLUSA	0	0	0
CONTRA COSTA	0	0	0
DEL NORTE	0	0	0
EL DORADO	466	466	466
FRESNO	6061	6061	6061
GLENN	0	0	0
HUMBOLDT	0	0	0
IMPERIAL	0	0	0
INYO	0	0	0
KERN	932	932	932
KINGS	0	0	0
LAKE	0	0	0
LASSEN	0	0	0
LOS ANGELES	34499	34499	34499
MADERA	0	0	0
MARIN	0	0	0
MARIPOSA	0	0	0
MENDOCINO	0	0	0
MERCED	466	466	466
MODOC	0	0	0
MONO	0	0	0
MONTEREY	6061	6061	6061
NAPA	466	466	466
NEVADA	0	0	0
ORANGE	466	466	466
PLACER	0	0	0
PLUMAS	0	0	0
RIVERSIDE	1399	1399	1399
SACRAMENTO	2331	2331	2331
SAN BENITO	0	0	0
SAN BERNARDINO	0	0	0
SAN DIEGO	20979	20979	20979
SAN FRANCISCO	932	932	932
SAN JOAQUIN	4662	4662	4662
SAN LUIS OBISPO	466	466	466
SAN MATEO	9324	9324	9324
SANTA BARBARA	932	932	932
SANTA CLARA	466	466	466
SANTA CRUZ	0	0	0
SHASTA	932	932	932
SIERRA	0	0	0
SISKIYOU	0	0	0
SOLANO	0	0	0
SONOMA	466	466	466
STANISLAUS	466	466	466
SUTTER	0	0	0
TEHAMA	0	0	0
TRINITY	0	0	0
TULARE	0	0	0
TUOLUMNE	0	0	0
VENTURA	2331	2331	2331
YOLO	0	0	0
YUBA	466	466	466



**Table 9 - Recreational
Boats, Gasoline (DMV
Registrations)**

	1970	1971	1972	1973	1974	1975
CALIFORNIA	234761	242638	259336	274932	283828	294249
ALAMEDA	11094	11467	12256	12993	13413	13905
ALPINE	12	12	13	14	14	15
AMADOR	381	394	421	447	461	478
BUTTE	4195	4335	4634	4912	5071	5258
CALAVERAS	449	464	496	526	543	563
COLUSA	296	306	327	346	357	371
CONTRA COSTA	10910	11276	12052	12776	13190	13674
DEL NORTE	353	365	390	413	427	443
EL DORADO	2039	2108	2253	2388	2466	2556
FRESNO	6010	6212	6639	7039	7266	7533
GLENN	509	526	563	596	616	638
HUMBOLDT	1803	1864	1992	2112	2180	2260
IMPERIAL	670	693	740	785	810	840
INYO	270	279	298	316	326	338
KERN	4173	4313	4610	4887	5045	5231
KINGS	614	634	678	719	742	769
LAKE	2444	2526	2700	2862	2955	3063
LASSEN	668	691	738	783	808	838
LOS ANGELES	40406	41762	44636	47320	48851	50644
MADERA	1085	1122	1199	1271	1312	1360
MARIN	3033	3135	3350	3552	3667	3801
MARIPOSA	257	266	284	301	311	322
MENDOCINO	1076	1112	1189	1260	1301	1349
MERCED	1664	1720	1838	1949	2012	2086
MODOC	135	140	149	158	164	170
MONO	218	225	241	255	263	273
MONTEREY	2242	2317	2477	2626	2710	2810
NAPA	1978	2044	2185	2316	2391	2479
NEVADA	1490	1540	1646	1745	1802	1868
ORANGE	20187	20865	22300	23642	24407	25303
PLACER	3544	3662	3915	4150	4284	4441
PLUMAS	518	535	572	606	626	649
RIVERSIDE	6344	6557	7008	7430	7670	7952
SACRAMENTO	14548	15036	16071	17038	17589	18235
SAN BENITO	217	225	240	255	263	272
SAN BERNARDINO	8514	8800	9406	9971	10294	10672
SAN DIEGO	14177	14652	15661	16602	17140	17769
SAN FRANCISCO	1748	1807	1931	2047	2113	2191
SAN JOAQUIN	6650	6873	7346	7788	8039	8335
SAN LUIS OBISPO	2392	2472	2642	2801	2892	2998
SAN MATEO	5368	5548	5929	6286	6489	6728
SANTA BARBARA	2745	2837	3032	3214	3318	3440
SANTA CLARA	12636	13060	13959	14798	15277	15838
SANTA CRUZ	1940	2005	2143	2272	2346	2432
SHASTA	4115	4253	4546	4819	4975	5158
SIERRA	62	65	69	73	76	78
SISKIYOU	924	955	1021	1082	1117	1158
SOLANO	3719	3844	4108	4355	4496	4661
SONOMA	4060	4197	4485	4755	4909	5089
STANISLAUS	4914	5079	5429	5755	5941	6160
SUTTER	1475	1525	1630	1728	1783	1849
TEHAMA	1013	1047	1119	1186	1225	1270
TRINITY	363	375	401	425	439	455
TULARE	2365	2444	2612	2769	2859	2964
TUOLUMNE	960	992	1061	1125	1161	1204
VENTURA	5835	6031	6446	6833	7054	7313
YOLO	1887	1950	2084	2209	2281	2365
YUBA	1068	1104	1180	1251	1291	1339

**Table 9 - Recreational
Boats, Gasoline (DMV
Registrations)**

	1976	1977	1978	1979	1980	1981
CALIFORNIA	315360	333690	360523	380241	395521	411608
ALAMEDA	14903	15769	17037	17969	18691	19452
ALPINE	16	17	18	19	20	20
AMADOR	512	542	586	618	643	669
BUTTE	5635	5962	6442	6794	7067	7354
CALAVERAS	603	638	690	727	757	787
COLUSA	397	420	454	479	498	518
CONTRA COSTA	14655	15507	16754	17670	18380	19128
DEL NORTE	474	502	542	572	595	619
EL DORADO	2740	2899	3132	3303	3436	3576
FRESNO	8074	8543	9230	9735	10126	10538
GLENN	684	724	782	825	858	893
HUMBOLDT	2422	2563	2769	2920	3038	3161
IMPERIAL	900	953	1029	1085	1129	1175
INYO	362	383	414	437	454	473
KERN	5606	5932	6409	6759	7031	7317
KINGS	824	872	943	994	1034	1076
LAKE	3283	3474	3753	3958	4117	4285
LASSEN	898	950	1026	1082	1126	1172
LOS ANGELES	54278	57433	62051	65445	68075	70844
MADERA	1458	1543	1667	1758	1828	1903
MARIN	4074	4311	4658	4912	5110	5318
MARIPOSA	345	365	395	416	433	451
MENDOCINO	1445	1529	1652	1743	1813	1886
MERCED	2235	2365	2555	2695	2804	2918
MODOC	182	192	208	219	228	237
MONO	293	310	334	353	367	382
MONTEREY	3012	3187	3443	3631	3777	3931
NAPA	2657	2811	3037	3204	3332	3468
NEVADA	2002	2118	2288	2413	2510	2613
ORANGE	27118	28694	31002	32697	34011	35394
PLACER	4760	5037	5442	5739	5970	6213
PLUMAS	695	736	795	838	872	908
RIVERSIDE	8522	9018	9743	10276	10689	11123
SACRAMENTO	19543	20679	22342	23564	24511	25508
SAN BENITO	292	309	334	352	366	381
SAN BERNARDINO	11437	12102	13075	13790	14345	14928
SAN DIEGO	19044	20151	21771	22962	23884	24856
SAN FRANCISCO	2348	2485	2684	2831	2945	3065
SAN JOAQUIN	8933	9452	10212	10770	11203	11659
SAN LUIS OBISPO	3213	3400	3673	3874	4030	4194
SAN MATEO	7210	7629	8243	8694	9043	9411
SANTA BARBARA	3687	3901	4215	4445	4624	4812
SANTA CLARA	16974	17961	19405	20467	21289	22155
SANTA CRUZ	2606	2758	2979	3142	3269	3402
SHASTA	5528	5849	6319	6665	6933	7215
SIERRA	84	89	96	101	105	110
SISKIYOU	1241	1313	1419	1496	1557	1620
SOLANO	4996	5286	5711	6023	6266	6520
SONOMA	5454	5771	6235	6576	6841	7119
STANISLAUS	6601	6985	7547	7960	8279	8616
SUTTER	1982	2097	2265	2389	2485	2586
TEHAMA	1361	1440	1556	1641	1707	1776
TRINITY	487	516	557	588	611	636
TULARE	3176	3361	3631	3830	3984	4146
TUOLUMNE	1290	1365	1475	1555	1618	1684
VENTURA	7838	8294	8961	9451	9830	10230
YOLO	2534	2681	2897	3056	3178	3308
YUBA	1435	1518	1640	1730	1799	1873

**Table 9 - Recreational
Boats, Gasoline (DMV
Registrations)**

	1982	1983	1984	1985	1986	1987
CALIFORNIA	434279	462989	507930	518231	552953	580934
ALAMEDA	20239	21239	23052	23556	24670	25493
ALPINE	23	24	27	33	27	34
AMADOR	749	872	1027	1095	1238	1371
BUTTE	7574	7957	8459	8625	8953	9428
CALAVERAS	971	1165	1437	1603	1788	2055
COLUSA	613	675	777	777	806	828
CONTRA COSTA	20253	21640	23501	24204	26030	27416
DEL NORTE	649	652	719	728	753	789
EL DORADO	3972	4419	5229	5424	6094	6597
FRESNO	11067	11730	12866	12905	13506	13906
GLENN	920	1000	1107	1100	1141	1162
HUMBOLDT	3083	3325	3531	3672	3899	4191
IMPERIAL	1290	1373	1545	1556	1636	1683
INYO	515	556	627	636	664	684
KERN	7962	8637	9390	9585	9911	10066
KINGS	1105	1165	1248	1280	1373	1425
LAKE	4881	5292	5922	5898	6144	6246
LASSEN	1256	1379	1562	1616	1708	1859
LOS ANGELES	74658	79028	86768	86889	91372	94693
MADERA	2043	2163	2334	2409	2638	2796
MARIN	5730	6126	6964	7023	7374	7876
MARIPOSA	506	533	609	595	634	662
MENDOCINO	1950	2110	2293	2324	2489	2626
MERCED	3023	3090	3339	3386	3551	3727
MODOC	231	265	337	359	373	400
MONO	496	520	606	622	649	674
MONTEREY	4367	4433	4889	4922	5285	5617
NAPA	3595	3845	4089	4320	4595	4770
NEVADA	2921	3263	3750	3934	4379	4765
ORANGE	37412	39745	43880	44595	47403	49635
PLACER	6593	7131	7933	8212	8926	9577
PLUMAS	1026	1152	1463	1518	1666	1807
RIVERSIDE	12047	13011	14257	15112	17033	18721
SACRAMENTO	25809	27190	28649	29335	30909	32030
SAN BENITO	380	423	482	514	587	642
SAN BERNARDINO	15910	16884	18535	19203	21200	23025
SAN DIEGO	27280	29444	33461	34497	37633	39966
SAN FRANCISCO	3103	3251	3588	3656	3802	3987
SAN JOAQUIN	11746	12435	13392	13807	14838	15673
SAN LUIS OBISPO	4617	5030	5569	5669	6215	6690
SAN MATEO	9740	10346	11432	11677	12265	12744
SANTA BARBARA	5203	5583	6157	6187	6592	6888
SANTA CLARA	22610	24022	25791	26164	27234	27664
SANTA CRUZ	3575	3866	4280	4367	4835	5165
SHASTA	7623	8257	9343	9469	10042	10509
SIERRA	108	125	153	150	155	173
SISKIYOU	1674	1834	2062	2106	2212	2333
SOLANO	6842	7309	7761	7988	8702	9249
SONOMA	7427	8046	8706	9170	10324	11375
STANISLAUS	8830	9341	9979	10108	10655	11122
SUTTER	2601	2758	2907	2936	3113	3227
TEHAMA	1819	1941	2106	2111	2267	2463
TRINITY	702	757	883	933	975	1050
TULARE	4427	4693	5110	5192	5505	5648
TUOLUMNE	2027	2318	2737	2811	3046	3179
VENTURA	11268	12079	13226	13631	14821	15902
YOLO	3434	3596	3927	3832	3995	4200
YUBA	1806	1946	2157	2207	2326	2454

**Table 9 - Recreational
Boats, Gasoline (DMV
Registrations)**

	1988	1989	1990	1991	1992	1993
CALIFORNIA	606132	631603	664230	668603	716400	720233
ALAMEDA	25994	26343	27098	26535	27943	27345
ALPINE	44	46	49	57	68	68
AMADOR	1462	1593	1722	1826	2008	2118
BUTTE	9922	10361	10757	10941	11778	12004
CALAVERAS	2237	2477	2763	2934	3224	3322
COLUSA	868	887	929	958	1026	1022
CONTRA COSTA	28611	29686	31091	31388	33506	33334
DEL NORTE	853	936	1082	1186	1233	1240
EL DORADO	6803	7609	8280	8748	9618	9876
FRESNO	14161	14621	15237	15512	16701	17175
GLENN	1186	1238	1298	1344	1428	1466
HUMBOLDT	4450	4682	4992	5225	5690	5775
IMPERIAL	1763	1791	1868	1934	2079	2077
INYO	719	730	768	825	887	916
KERN	10164	10335	10726	11007	11797	12034
KINGS	1470	1552	1650	1679	1821	1873
LAKE	6457	6659	7272	7798	8589	8620
LASSEN	1923	2023	2150	2198	2395	2416
LOS ANGELES	97767	100183	104241	101725	107106	106067
MADERA	2929	3107	3332	3616	4036	4090
MARIN	8174	8439	8765	8593	9149	9065
MARIPOSA	709	732	783	818	922	990
MENDOCINO	2815	2988	3246	3435	3804	3877
MERCED	3881	4044	4265	4299	4617	4707
MODOC	446	475	524	534	597	614
MONO	701	708	754	833	891	912
MONTEREY	5839	5888	6116	6103	6608	6719
NAPA	4939	5036	5301	5427	5847	5868
NEVADA	5090	5496	5960	6266	6877	6989
ORANGE	51651	54265	56831	56345	60366	60560
PLACER	10082	10967	11859	12108	13180	13438
PLUMAS	1915	2015	2216	2411	2710	2758
RIVERSIDE	20695	23395	25973	27247	29811	30606
SACRAMENTO	32801	33642	35338	35850	38144	37849
SAN BENITO	712	765	829	875	977	1027
SAN BERNARDINO	25097	27476	30145	31558	34403	34772
SAN DIEGO	42501	44597	47015	47310	50399	50255
SAN FRANCISCO	4048	4088	4039	3627	3799	3733
SAN JOAQUIN	16401	16943	17762	18290	19572	19718
SAN LUIS OBISPO	7043	7323	7610	7792	8462	8660
SAN MATEO	12967	13125	13252	12577	13056	13003
SANTA BARBARA	7055	7164	7377	7343	7741	7889
SANTA CLARA	28049	28108	28257	26811	28636	28878
SANTA CRUZ	5410	5612	5811	5850	6293	6346
SHASTA	10894	11251	11904	12248	13234	13527
SIERRA	185	191	216	241	280	282
SISKIYOU	2460	2578	2720	2807	3029	3129
SOLANO	9875	10397	10991	11134	11970	12106
SONOMA	12371	13213	14036	14531	15774	16067
STANISLAUS	11542	12081	12907	13118	14137	14347
SUTTER	3350	3486	3761	3870	4197	4210
TEHAMA	2587	2701	2891	2997	3235	3273
TRINITY	1091	1149	1234	1291	1412	1434
TULARE	5701	5873	6177	6334	6838	7157
TUOLUMNE	3301	3471	3768	4015	4314	4388
VENTURA	17036	17898	18704	18651	20055	20016
YOLO	4363	4512	4761	4682	4966	5013
YUBA	2572	2649	2825	2946	3165	3214

**Table 9 - Recreational
Boats, Gasoline (DMV
Registrations)**

	1994	1995	1996	1997	1998	1999
CALIFORNIA	739713	762300	791987	821393	850899	880034
ALAMEDA	28085	28942	30069	31186	32306	33412
ALPINE	69	72	74	77	80	83
AMADOR	2175	2242	2329	2415	2502	2588
BUTTE	12329	12705	13200	13690	14182	14667
CALAVERAS	3412	3516	3653	3788	3924	4059
COLUSA	1049	1081	1123	1165	1207	1248
CONTRA COSTA	34235	35281	36655	38016	39381	40730
DEL NORTE	1274	1313	1364	1415	1465	1516
EL DORADO	10144	10453	10860	11264	11668	12068
FRESNO	17640	18178	18886	19587	20291	20986
GLENN	1505	1551	1612	1671	1731	1791
HUMBOLDT	5931	6112	6350	6586	6823	7056
IMPERIAL	2133	2198	2284	2369	2454	2538
INYO	940	969	1007	1044	1082	1119
KERN	12360	12737	13233	13725	14218	14704
KINGS	1924	1983	2060	2136	2213	2289
LAKE	8853	9123	9479	9831	10184	10533
LASSEN	2481	2557	2657	2755	2854	2952
LOS ANGELES	108936	112262	116634	120964	125309	129600
MADERA	4200	4329	4497	4664	4832	4997
MARIN	9310	9594	9968	10338	10709	11076
MARIPOSA	1017	1048	1089	1130	1170	1210
MENDOCINO	3982	4104	4263	4422	4580	4737
MERCED	4835	4982	5176	5368	5561	5752
MODOC	631	650	675	700	725	750
MONO	937	965	1003	1040	1078	1114
MONTEREY	6901	7112	7389	7663	7938	8210
NAPA	6026	6210	6452	6692	6932	7170
NEVADA	7178	7397	7685	7971	8257	8540
ORANGE	62198	64097	66593	69066	71547	73996
PLACER	13801	14222	14776	15325	15876	16419
PLUMAS	2832	2919	3032	3145	3258	3369
RIVERSIDE	31434	32394	33656	34905	36159	37397
SACRAMENTO	38873	40060	41620	43165	44716	46247
SAN BENITO	1055	1087	1129	1171	1213	1255
SAN BERNARDINO	35712	36803	38236	39656	41080	42487
SAN DIEGO	51614	53190	55262	57314	59373	61406
SAN FRANCISCO	3834	3951	4105	4257	4410	4561
SAN JOAQUIN	20252	20870	21683	22488	23296	24093
SAN LUIS OBISPO	8894	9166	9523	9876	10231	10581
SAN MATEO	13355	13763	14299	14830	15362	15889
SANTA BARBARA	8102	8349	8674	8997	9320	9639
SANTA CLARA	29659	30565	31755	32934	34117	35286
SANTA CRUZ	6518	6717	6979	7238	7498	7755
SHASTA	13892	14317	14874	15427	15981	16528
SIERRA	290	299	310	322	333	345
SISKIYOU	3213	3311	3440	3568	3696	3823
SOLANO	12433	12813	13312	13806	14302	14791
SONOMA	16502	17006	17668	18324	18982	19632
STANISLAUS	14735	15185	15776	16362	16950	17530
SUTTER	4324	4456	4629	4801	4974	5144
TEHAMA	3361	3464	3599	3733	3867	3999
TRINITY	1472	1517	1576	1635	1694	1752
TULARE	7351	7575	7870	8162	8456	8745
TUOLUMNE	4507	4644	4825	5004	5184	5361
VENTURA	20558	21185	22010	22828	23648	24457
YOLO	5149	5306	5513	5718	5923	6126
YUBA	3301	3402	3534	3666	3797	3927

**Table 9 - Recreational
Boats, Gasoline (DMV
Registrations)**

	2000	2001	2002	2003	2004	2005
CALIFORNIA	908640	937179	965870	993979	1022263	1050777
ALAMEDA	34498	35582	36671	37738	38812	39895
ALPINE	85	88	91	93	96	99
AMADOR	2672	2756	2840	2923	3006	3090
BUTTE	15144	15620	16098	16567	17038	17513
CALAVERAS	4191	4322	4455	4584	4715	4846
COLUSA	1289	1329	1370	1410	1450	1490
CONTRA COSTA	42054	43374	44702	46003	47312	48632
DEL NORTE	1565	1614	1664	1712	1761	1810
EL DORADO	12460	12851	13245	13630	14018	14409
FRESNO	21668	22348	23033	23703	24377	25057
GLENN	1849	1907	1965	2023	2080	2138
HUMBOLDT	7286	7515	7745	7970	8197	8426
IMPERIAL	2620	2703	2785	2866	2948	3030
INYO	1155	1191	1228	1264	1300	1336
KERN	15182	15659	16139	16608	17081	17557
KINGS	2363	2437	2512	2585	2659	2733
LAKE	10875	11216	11560	11896	12235	12576
LASSEN	3048	3144	3240	3334	3429	3525
LOS ANGELES	133813	138016	142241	146380	150546	154745
MADERA	5160	5322	5485	5644	5805	5967
MARIN	11436	11795	12157	12510	12866	13225
MARIPOSA	1249	1289	1328	1367	1406	1445
MENDOCINO	4891	5045	5199	5351	5503	5656
MERCED	5939	6125	6313	6496	6681	6868
MODOC	775	799	823	847	871	896
MONO	1151	1187	1223	1259	1295	1331
MONTEREY	8477	8743	9011	9273	9537	9803
NAPA	7403	7635	7869	8098	8328	8561
NEVADA	8817	9094	9372	9645	9920	10196
ORANGE	76402	78801	81214	83577	85955	88353
PLACER	16953	17485	18021	18545	19073	19605
PLUMAS	3479	3588	3698	3806	3914	4023
RIVERSIDE	38613	39826	41045	42239	43441	44653
SACRAMENTO	47750	49250	50757	52235	53721	55219
SAN BENITO	1296	1336	1377	1417	1458	1498
SAN BERNARDINO	43868	45246	46631	47988	49353	50730
SAN DIEGO	63402	65393	67395	69356	71330	73319
SAN FRANCISCO	4709	4857	5006	5152	5298	5446
SAN JOAQUIN	24876	25658	26443	27213	27987	28768
SAN LUIS OBISPO	10925	11269	11614	11952	12292	12634
SAN MATEO	16405	16920	17438	17946	18456	18971
SANTA BARBARA	9952	10265	10579	10887	11197	11509
SANTA CLARA	36433	37577	38727	39854	40988	42132
SANTA CRUZ	8007	8258	8511	8759	9008	9259
SHASTA	17065	17601	18140	18668	19199	19735
SIERRA	356	367	378	389	400	412
SISKIYOU	3947	4071	4196	4318	4441	4565
SOLANO	15272	15752	16234	16707	17182	17661
SONOMA	20270	20907	21547	22174	22805	23441
STANISLAUS	18100	18669	19240	19800	20364	20932
SUTTER	5311	5478	5646	5810	5975	6142
TEHAMA	4129	4259	4389	4517	4645	4775
TRINITY	1809	1865	1922	1978	2035	2091
TULARE	9029	9313	9598	9877	10158	10442
TUOLUMNE	5536	5710	5884	6056	6228	6402
VENTURA	25252	26046	26843	27624	28410	29203
YOLO	6325	6524	6723	6919	7116	7314
YUBA	4055	4182	4310	4436	4562	4689

**Table 9 - Recreational
Boats, Gasoline (DMV
Registrations)**

	2006	2007	2008	2009	2010	2011
CALIFORNIA	1077046	1103972	1131571	1159861	1188857	1212634
ALAMEDA	40892	41915	42962	44036	45137	46040
ALPINE	101	104	106	109	112	114
AMADOR	3167	3246	3327	3411	3496	3566
BUTTE	17951	18400	18860	19331	19815	20211
CALAVERAS	4967	5092	5219	5349	5483	5593
COLUSA	1528	1566	1605	1645	1686	1720
CONTRA COSTA	49848	51094	52371	53681	55023	56123
DEL NORTE	1855	1901	1949	1998	2048	2089
EL DORADO	14769	15139	15517	15905	16303	16629
FRESNO	25684	26326	26984	27659	28350	28917
GLENN	2192	2246	2303	2360	2419	2468
HUMBOLDT	8636	8852	9073	9300	9533	9723
IMPERIAL	3106	3183	3263	3345	3428	3497
INYO	1369	1404	1439	1475	1511	1542
KERN	17996	18446	18907	19380	19865	20262
KINGS	2801	2871	2943	3016	3092	3154
LAKE	12890	13213	13543	13882	14229	14513
LASSEN	3613	3703	3796	3891	3988	4068
LOS ANGELES	158614	162579	166643	170809	175080	178581
MADERA	6116	6269	6425	6586	6751	6886
MARIN	13556	13895	14242	14598	14963	15262
MARIPOSA	1481	1518	1556	1595	1635	1668
MENDOCINO	5798	5943	6091	6244	6400	6528
MERCED	7039	7215	7396	7581	7770	7926
MODOC	918	941	965	989	1013	1034
MONO	1364	1398	1433	1469	1506	1536
MONTEREY	10048	10299	10557	10821	11091	11313
NAPA	8775	8994	9219	9449	9686	9879
NEVADA	10451	10713	10980	11255	11536	11767
ORANGE	90562	92826	95146	97525	99963	101963
PLACER	20095	20597	21112	21640	22181	22625
PLUMAS	4124	4227	4333	4441	4552	4643
RIVERSIDE	45769	46913	48086	49288	50521	51531
SACRAMENTO	56600	58015	59465	60952	62476	63725
SAN BENITO	1536	1574	1613	1654	1695	1729
SAN BERNARDINO	51998	53298	54631	55996	57396	58544
SAN DIEGO	75152	77031	78957	80931	82954	84613
SAN FRANCISCO	5582	5722	5865	6011	6162	6285
SAN JOAQUIN	29487	30224	30980	31754	32548	33199
SAN LUIS OBISPO	12950	13274	13606	13946	14295	14581
SAN MATEO	19445	19932	20430	20941	21464	21893
SANTA BARBARA	11797	12092	12394	12704	13021	13282
SANTA CLARA	43185	44265	45371	46506	47668	48622
SANTA CRUZ	9491	9728	9971	10220	10476	10685
SHASTA	20228	20734	21252	21783	22328	22774
SIERRA	422	432	443	454	466	475
SISKIYOU	4679	4796	4916	5038	5164	5268
SOLANO	18103	18555	19019	19495	19982	20382
SONOMA	24027	24628	25243	25874	26521	27052
STANISLAUS	21455	21991	22541	23104	23682	24156
SUTTER	6296	6453	6614	6780	6949	7088
TEHAMA	4894	5017	5142	5271	5402	5510
TRINITY	2144	2197	2252	2309	2366	2414
TULARE	10703	10970	11245	11526	11814	12050
TUOLUMNE	6562	6726	6894	7066	7243	7388
VENTURA	29933	30681	31448	32234	33040	33701
YOLO	7497	7685	7877	8074	8275	8441
YUBA	4806	4927	5050	5176	5305	5412

**Table 9 - Recreational
Boats, Gasoline (DMV
Registrations)**

	2012	2013	2014	2015	2016	2017
CALIFORNIA	1236887	1261625	1286857	1312594	1332283	1352268
ALAMEDA	46961	47900	48858	49835	50583	51342
ALPINE	116	118	121	123	125	127
AMADOR	3637	3710	3784	3860	3918	3976
BUTTE	20615	21027	21448	21877	22205	22538
CALAVERAS	5705	5819	5935	6054	6145	6237
COLUSA	1754	1789	1825	1862	1890	1918
CONTRA COSTA	57246	58391	59558	60749	61661	62586
DEL NORTE	2130	2173	2216	2261	2295	2329
EL DORADO	16961	17300	17646	17999	18269	18543
FRESNO	29495	30085	30687	31301	31770	32247
GLENN	2517	2567	2619	2671	2711	2752
HUMBOLDT	9918	10116	10319	10525	10683	10843
IMPERIAL	3567	3638	3711	3785	3842	3899
INYO	1572	1604	1636	1669	1694	1719
KERN	20667	21080	21502	21932	22261	22595
KINGS	3217	3281	3347	3414	3465	3517
LAKE	14803	15100	15402	15710	15945	16184
LASSEN	4149	4232	4317	4403	4469	4536
LOS ANGELES	182153	185796	189512	193302	196202	199145
MADERA	7024	7164	7307	7453	7565	7679
MARIN	15568	15879	16196	16520	16768	17020
MARIPOSA	1701	1735	1770	1805	1832	1860
MENDOCINO	6658	6791	6927	7066	7172	7279
MERCED	8084	8246	8411	8579	8708	8838
MODOC	1054	1076	1097	1119	1136	1153
MONO	1566	1598	1630	1662	1687	1713
MONTEREY	11539	11770	12005	12246	12429	12616
NAPA	10077	10278	10484	10694	10854	11017
NEVADA	12002	12242	12487	12737	12928	13122
ORANGE	104002	106082	108203	110368	112023	113703
PLACER	23077	23539	24009	24490	24857	25230
PLUMAS	4736	4831	4927	5026	5101	5178
RIVERSIDE	52562	53613	54685	55779	56616	57465
SACRAMENTO	65000	66300	67626	68978	70013	71063
SAN BENITO	1764	1799	1835	1871	1900	1928
SAN BERNARDINO	59715	60909	62128	63370	64321	65286
SAN DIEGO	86305	88032	89792	91588	92962	94356
SAN FRANCISCO	6411	6539	6670	6803	6905	7009
SAN JOAQUIN	33863	34540	35231	35936	36475	37022
SAN LUIS OBISPO	14872	15170	15473	15783	16019	16260
SAN MATEO	22331	22778	23233	23698	24054	24414
SANTA BARBARA	13547	13818	14095	14377	14592	14811
SANTA CLARA	49594	50586	51598	52630	53419	54220
SANTA CRUZ	10899	11117	11339	11566	11740	11916
SHASTA	23230	23694	24168	24652	25021	25397
SIERRA	484	494	504	514	522	530
SISKIYOU	5373	5481	5590	5702	5787	5874
SOLANO	20789	21205	21629	22062	22393	22729
SONOMA	27593	28145	28708	29282	29721	30167
STANISLAUS	24639	25132	25634	26147	26539	26937
SUTTER	7230	7374	7522	7672	7787	7904
TEHAMA	5621	5733	5848	5965	6054	6145
TRINITY	2462	2511	2561	2613	2652	2692
TULARE	12291	12537	12788	13043	13239	13438
TUOLUMNE	7535	7686	7840	7997	8117	8238
VENTURA	34375	35062	35764	36479	37026	37581
YOLO	8610	8782	8958	9137	9274	9413
YUBA	5520	5630	5743	5858	5946	6035

**Table 9 - Recreational
Boats, Gasoline (DMV
Registrations)**

	2018	2019	2020
CALIFORNIA	1372552	1393140	1414037
ALAMEDA	52112	52893	53687
ALPINE	129	131	133
AMADOR	4036	4097	4158
BUTTE	22876	23219	23568
CALAVERAS	6330	6425	6522
COLUSA	1947	1976	2006
CONTRA COSTA	63524	64477	65444
DEL NORTE	2364	2399	2435
EL DORADO	18822	19104	19390
FRESNO	32731	33221	33720
GLENN	2793	2835	2877
HUMBOLDT	11006	11171	11338
IMPERIAL	3958	4017	4078
INYO	1745	1771	1798
KERN	22934	23278	23627
KINGS	3570	3623	3678
LAKE	16427	16674	16924
LASSEN	4604	4673	4743
LOS ANGELES	202132	205164	208241
MADERA	7794	7911	8029
MARIN	17275	17534	17797
MARIPOSA	1887	1916	1944
MENDOCINO	7389	7499	7612
MERCED	8971	9105	9242
MODOC	1170	1188	1205
MONO	1738	1764	1791
MONTEREY	12805	12997	13192
NAPA	11182	11350	11520
NEVADA	13319	13519	13721
ORANGE	115409	117140	118897
PLACER	25608	25992	26382
PLUMAS	5255	5334	5414
RIVERSIDE	58327	59202	60090
SACRAMENTO	72129	73211	74309
SAN BENITO	1957	1986	2016
SAN BERNARDINO	66265	67259	68268
SAN DIEGO	95772	97208	98666
SAN FRANCISCO	7114	7221	7329
SAN JOAQUIN	37577	38141	38713
SAN LUIS OBISPO	16503	16751	17002
SAN MATEO	24781	25152	25530
SANTA BARBARA	15033	15259	15488
SANTA CLARA	55034	55859	56697
SANTA CRUZ	12094	12276	12460
SHASTA	25778	26164	26557
SIERRA	538	546	554
SISKIYOU	5962	6052	6143
SOLANO	23070	23416	23767
SONOMA	30619	31079	31545
STANISLAUS	27341	27751	28168
SUTTER	8023	8143	8265
TEHAMA	6237	6331	6426
TRINITY	2732	2773	2814
TULARE	13639	13844	14052
TUOLUMNE	8362	8487	8615
VENTURA	38145	38717	39298
YOLO	9554	9697	9843
YUBA	6125	6217	6310

**Table 10 -
Recreational Boats,
Diesel (DMV
registrations)**

	1970	1971	1972	1973	1974	1975
CALIFORNIA	2438	2520	2693	2855	2948	3056
ALAMEDA	115	119	127	135	139	144
ALPINE	0	0	0	0	0	0
AMADOR	4	4	4	5	5	5
BUTTE	44	45	48	51	53	55
CALAVERAS	5	5	5	5	6	6
COLUSA	3	3	3	4	4	4
CONTRA COSTA	113	117	125	133	137	142
DEL NORTE	4	4	4	4	4	5
EL DORADO	21	22	23	25	26	27
FRESNO	62	65	69	73	75	78
GLENN	5	5	6	6	6	7
HUMBOLDT	19	19	21	22	23	23
IMPERIAL	7	7	8	8	8	9
INYO	3	3	3	3	3	4
KERN	43	45	48	51	52	54
KINGS	6	7	7	7	8	8
LAKE	25	26	28	30	31	32
LASSEN	7	7	8	8	8	9
LOS ANGELES	420	434	464	491	507	526
MADERA	11	12	12	13	14	14
MARIN	31	33	35	37	38	39
MARIPOSA	3	3	3	3	3	3
MENDOCINO	11	12	12	13	14	14
MERCED	17	18	19	20	21	22
MODOC	1	1	2	2	2	2
MONO	2	2	2	3	3	3
MONTEREY	23	24	26	27	28	29
NAPA	21	21	23	24	25	26
NEVADA	15	16	17	18	19	19
ORANGE	210	217	232	246	253	263
PLACER	37	38	41	43	44	46
PLUMAS	5	6	6	6	7	7
RIVERSIDE	66	68	73	77	80	83
SACRAMENTO	151	156	167	177	183	189
SAN BENITO	2	2	2	3	3	3
SAN BERNARDINO	88	91	98	104	107	111
SAN DIEGO	147	152	163	172	178	185
SAN FRANCISCO	18	19	20	21	22	23
SAN JOAQUIN	69	71	76	81	83	87
SAN LUIS OBISPO	25	26	27	29	30	31
SAN MATEO	56	58	62	65	67	70
SANTA BARBARA	29	29	31	33	34	36
SANTA CLARA	131	136	145	154	159	164
SANTA CRUZ	20	21	22	24	24	25
SHASTA	43	44	47	50	52	54
SIERRA	1	1	1	1	1	1
SISKIYOU	10	10	11	11	12	12
SOLANO	39	40	43	45	47	48
SONOMA	42	44	47	49	51	53
STANISLAUS	51	53	56	60	62	64
SUTTER	15	16	17	18	19	19
TEHAMA	11	11	12	12	13	13
TRINITY	4	4	4	4	5	5
TULARE	25	25	27	29	30	31
TUOLUMNE	10	10	11	12	12	13
VENTURA	61	63	67	71	73	76
YOLO	20	20	22	23	24	25
YUBA	11	11	12	13	13	14

**Table 10 -
Recreational Boats,
Diesel (DMV
registrations)**

	1976	1977	1978	1979	1980	1981
CALIFORNIA	3275	3466	3744	3949	4108	4275
ALAMEDA	155	164	177	187	194	202
ALPINE	0	0	0	0	0	0
AMADOR	5	6	6	6	7	7
BUTTE	59	62	67	71	73	76
CALAVERAS	6	7	7	8	8	8
COLUSA	4	4	5	5	5	5
CONTRA COSTA	152	161	174	184	191	199
DEL NORTE	5	5	6	6	6	6
EL DORADO	28	30	33	34	36	37
FRESNO	84	89	96	101	105	109
GLENN	7	8	8	9	9	9
HUMBOLDT	25	27	29	30	32	33
IMPERIAL	9	10	11	11	12	12
INYO	4	4	4	5	5	5
KERN	58	62	67	70	73	76
KINGS	9	9	10	10	11	11
LAKE	34	36	39	41	43	45
LASSEN	9	10	11	11	12	12
LOS ANGELES	564	596	644	680	707	736
MADERA	15	16	17	18	19	20
MARIN	42	45	48	51	53	55
MARIPOSA	4	4	4	4	4	5
MENDOCINO	15	16	17	18	19	20
MERCED	23	25	27	28	29	30
MODOC	2	2	2	2	2	2
MONO	3	3	3	4	4	4
MONTEREY	31	33	36	38	39	41
NAPA	28	29	32	33	35	36
NEVADA	21	22	24	25	26	27
ORANGE	282	298	322	340	353	368
PLACER	49	52	57	60	62	65
PLUMAS	7	8	8	9	9	9
RIVERSIDE	89	94	101	107	111	116
SACRAMENTO	203	215	232	245	255	265
SAN BENITO	3	3	3	4	4	4
SAN BERNARDINO	119	126	136	143	149	155
SAN DIEGO	198	209	226	238	248	258
SAN FRANCISCO	24	26	28	29	31	32
SAN JOAQUIN	93	98	106	112	116	121
SAN LUIS OBISPO	33	35	38	40	42	44
SAN MATEO	75	79	86	90	94	98
SANTA BARBARA	38	41	44	46	48	50
SANTA CLARA	176	187	202	213	221	230
SANTA CRUZ	27	29	31	33	34	35
SHASTA	57	61	66	69	72	75
SIERRA	1	1	1	1	1	1
SISKIYOU	13	14	15	16	16	17
SOLANO	52	55	59	63	65	68
SONOMA	57	60	65	68	71	74
STANISLAUS	69	73	78	83	86	89
SUTTER	21	22	24	25	26	27
TEHAMA	14	15	16	17	18	18
TRINITY	5	5	6	6	6	7
TULARE	33	35	38	40	41	43
TUOLUMNE	13	14	15	16	17	17
VENTURA	81	86	93	98	102	106
YOLO	26	28	30	32	33	34
YUBA	15	16	17	18	19	19

**Table 10 -
Recreational Boats,
Diesel (DMV
registrations)**

	1982	1983	1984	1985	1986	1987
CALIFORNIA	4580	4958	5521	5717	5975	6146
ALAMEDA	213	227	251	260	267	270
ALPINE	0	0	0	0	0	0
AMADOR	8	9	11	12	13	15
BUTTE	80	85	92	95	97	100
CALAVERAS	10	12	16	18	19	22
COLUSA	6	7	8	9	9	9
CONTRA COSTA	214	232	255	267	281	290
DEL NORTE	7	7	8	8	8	8
EL DORADO	42	47	57	60	66	70
FRESNO	117	126	140	142	146	147
GLENN	10	11	12	12	12	12
HUMBOLDT	33	36	38	41	42	44
IMPERIAL	14	15	17	17	18	18
INYO	5	6	7	7	7	7
KERN	84	92	102	106	107	106
KINGS	12	12	14	14	15	15
LAKE	51	57	64	65	66	66
LASSEN	13	15	17	18	18	20
LOS ANGELES	787	846	943	959	987	1002
MADERA	22	23	25	27	29	30
MARIN	60	66	76	77	80	83
MARIPOSA	5	6	7	7	7	7
MENDOCINO	21	23	25	26	27	28
MERCED	32	33	36	37	38	39
MODOC	2	3	4	4	4	4
MONO	5	6	7	7	7	7
MONTEREY	46	47	53	54	57	59
NAPA	38	41	44	48	50	50
NEVADA	31	35	41	43	47	50
ORANGE	395	426	477	492	512	525
PLACER	70	76	86	91	96	101
PLUMAS	11	12	16	17	18	19
RIVERSIDE	127	139	155	167	184	198
SACRAMENTO	272	291	311	324	334	339
SAN BENITO	4	5	5	6	6	7
SAN BERNARDINO	168	181	201	212	229	244
SAN DIEGO	288	315	364	381	407	423
SAN FRANCISCO	33	35	39	40	41	42
SAN JOAQUIN	124	133	146	152	160	166
SAN LUIS OBISPO	49	54	61	63	67	71
SAN MATEO	103	111	124	129	133	135
SANTA BARBARA	55	60	67	68	71	73
SANTA CLARA	238	257	280	289	294	293
SANTA CRUZ	38	41	47	48	52	55
SHASTA	80	88	102	104	109	111
SIERRA	1	1	2	2	2	2
SISKIYOU	18	20	22	23	24	25
SOLANO	72	78	84	88	94	98
SONOMA	78	86	95	101	112	120
STANISLAUS	93	100	108	112	115	118
SUTTER	27	30	32	32	34	34
TEHAMA	19	21	23	23	25	26
TRINITY	7	8	10	10	11	11
TULARE	47	50	56	57	59	60
TUOLUMNE	21	25	30	31	33	34
VENTURA	119	129	144	150	160	168
YOLO	36	39	43	42	43	44
YUBA	19	21	23	24	25	26

**Table 10 -
Recreational Boats,
Diesel (DMV
registrations)**

	1988	1989	1990	1991	1992	1993
CALIFORNIA	6275	6395	6575	6885	6555	6590
ALAMEDA	269	267	268	273	256	250
ALPINE	0	0	0	1	1	1
AMADOR	15	16	17	19	18	19
BUTTE	103	105	106	113	108	110
CALAVERAS	23	25	27	30	29	30
COLUSA	9	9	9	10	9	9
CONTRA COSTA	296	301	308	323	307	305
DEL NORTE	9	9	11	12	11	11
EL DORADO	70	77	82	90	88	90
FRESNO	147	148	151	160	153	157
GLENN	12	13	13	14	13	13
HUMBOLDT	46	47	49	54	52	53
IMPERIAL	18	18	18	20	19	19
INYO	7	7	8	9	8	8
KERN	105	105	106	113	108	110
KINGS	15	16	16	17	17	17
LAKE	67	67	72	80	79	79
LASSEN	20	20	21	23	22	22
LOS ANGELES	1012	1014	1032	1048	980	970
MADERA	30	31	33	37	37	37
MARIN	85	85	87	88	84	83
MARIPOSA	7	7	8	8	8	9
MENDOCINO	29	30	32	35	35	35
MERCED	40	41	42	44	42	43
MODOC	5	5	5	5	5	6
MONO	7	7	7	9	8	8
MONTEREY	60	60	61	63	60	61
NAPA	51	51	52	56	53	54
NEVADA	53	56	59	65	63	64
ORANGE	535	549	563	580	552	554
PLACER	104	111	117	125	121	123
PLUMAS	20	20	22	25	25	25
RIVERSIDE	214	237	257	281	273	280
SACRAMENTO	340	341	350	369	349	346
SAN BENITO	7	8	8	9	9	9
SAN BERNARDINO	260	278	298	325	315	318
SAN DIEGO	440	452	465	487	461	460
SAN FRANCISCO	42	41	40	37	35	34
SAN JOAQUIN	170	172	176	188	179	180
SAN LUIS OBISPO	73	74	75	80	77	79
SAN MATEO	134	133	131	130	119	119
SANTA BARBARA	73	73	73	76	71	72
SANTA CLARA	290	285	280	276	262	264
SANTA CRUZ	56	57	58	60	58	58
SHASTA	113	114	118	126	121	124
SIERRA	2	2	2	2	3	3
SISKIYOU	25	26	27	29	28	29
SOLANO	102	105	109	115	110	111
SONOMA	128	134	139	150	144	147
STANISLAUS	119	122	128	135	129	131
SUTTER	35	35	37	40	38	39
TEHAMA	27	27	29	31	30	30
TRINITY	11	12	12	13	13	13
TULARE	59	59	61	65	63	65
TUOLUMNE	34	35	37	41	39	40
VENTURA	176	181	185	192	183	183
YOLO	45	46	47	48	45	46
YUBA	27	27	28	30	29	29

**Table 10 -
Recreational Boats,
Diesel (DMV
registrations)**

	1994	1995	1996	1997	1998	1999
CALIFORNIA	6768	6975	7246	7515	7785	8052
ALAMEDA	257	265	275	285	296	306
ALPINE	1	1	1	1	1	1
AMADOR	20	21	21	22	23	24
BUTTE	113	116	121	125	130	134
CALAVERAS	31	32	33	35	36	37
COLUSA	10	10	10	11	11	11
CONTRA COSTA	313	323	335	348	360	373
DEL NORTE	12	12	12	13	13	14
EL DORADO	93	96	99	103	107	110
FRESNO	161	166	173	179	186	192
GLENN	14	14	15	15	16	16
HUMBOLDT	54	56	58	60	62	65
IMPERIAL	20	20	21	22	22	23
INYO	9	9	9	10	10	10
KERN	113	117	121	126	130	135
KINGS	18	18	19	20	20	21
LAKE	81	83	87	90	93	96
LASSEN	23	23	24	25	26	27
LOS ANGELES	997	1027	1067	1107	1147	1186
MADERA	38	40	41	43	44	46
MARIN	85	88	91	95	98	101
MARIPOSA	9	10	10	10	11	11
MENDOCINO	36	38	39	40	42	43
MERCED	44	46	47	49	51	53
MODOC	6	6	6	6	7	7
MONO	9	9	9	10	10	10
MONTEREY	63	65	68	70	73	75
NAPA	55	57	59	61	63	66
NEVADA	66	68	70	73	76	78
ORANGE	569	586	609	632	655	677
PLACER	126	130	135	140	145	150
PLUMAS	26	27	28	29	30	31
RIVERSIDE	288	296	308	319	331	342
SACRAMENTO	356	367	381	395	409	423
SAN BENITO	10	10	10	11	11	11
SAN BERNARDINO	327	337	350	363	376	389
SAN DIEGO	472	487	506	524	543	562
SAN FRANCISCO	35	36	38	39	40	42
SAN JOAQUIN	185	191	198	206	213	220
SAN LUIS OBISPO	81	84	87	90	94	97
SAN MATEO	122	126	131	136	141	145
SANTA BARBARA	74	76	79	82	85	88
SANTA CLARA	271	280	291	301	312	323
SANTA CRUZ	60	61	64	66	69	71
SHASTA	127	131	136	141	146	151
SIERRA	3	3	3	3	3	3
SISKIYOU	29	30	31	33	34	35
SOLANO	114	117	122	126	131	135
SONOMA	151	156	162	168	174	180
STANISLAUS	135	139	144	150	155	160
SUTTER	40	41	42	44	46	47
TEHAMA	31	32	33	34	35	37
TRINITY	13	14	14	15	15	16
TULARE	67	69	72	75	77	80
TUOLUMNE	41	42	44	46	47	49
VENTURA	188	194	201	209	216	224
YOLO	47	49	50	52	54	56
YUBA	30	31	32	34	35	36

**Table 10 -
Recreational Boats,
Diesel (DMV
registrations)**

	2000	2001	2002	2003	2004	2005
CALIFORNIA	8313	8575	8837	9094	9353	9614
ALAMEDA	316	326	336	345	355	365
ALPINE	1	1	1	1	1	1
AMADOR	24	25	26	27	28	28
BUTTE	139	143	147	152	156	160
CALAVERAS	38	40	41	42	43	44
COLUSA	12	12	13	13	13	14
CONTRA COSTA	385	397	409	421	433	445
DEL NORTE	14	15	15	16	16	17
EL DORADO	114	118	121	125	128	132
FRESNO	198	204	211	217	223	229
GLENN	17	17	18	19	19	20
HUMBOLDT	67	69	71	73	75	77
IMPERIAL	24	25	25	26	27	28
INYO	11	11	11	12	12	12
KERN	139	143	148	152	156	161
KINGS	22	22	23	24	24	25
LAKE	99	103	106	109	112	115
LASSEN	28	29	30	31	31	32
LOS ANGELES	1224	1263	1301	1339	1377	1416
MADERA	47	49	50	52	53	55
MARIN	105	108	111	114	118	121
MARIPOSA	11	12	12	13	13	13
MENDOCINO	45	46	48	49	50	52
MERCED	54	56	58	59	61	63
MODOC	7	7	8	8	8	8
MONO	11	11	11	12	12	12
MONTEREY	78	80	82	85	87	90
NAPA	68	70	72	74	76	78
NEVADA	81	83	86	88	91	93
ORANGE	699	721	743	765	786	808
PLACER	155	160	165	170	175	179
PLUMAS	32	33	34	35	36	37
RIVERSIDE	353	364	376	386	397	409
SACRAMENTO	437	451	464	478	492	505
SAN BENITO	12	12	13	13	13	14
SAN BERNARDINO	401	414	427	439	452	464
SAN DIEGO	580	598	617	635	653	671
SAN FRANCISCO	43	44	46	47	48	50
SAN JOAQUIN	228	235	242	249	256	263
SAN LUIS OBISPO	100	103	106	109	112	116
SAN MATEO	150	155	160	164	169	174
SANTA BARBARA	91	94	97	100	102	105
SANTA CLARA	333	344	354	365	375	385
SANTA CRUZ	73	76	78	80	82	85
SHASTA	156	161	166	171	176	181
SIERRA	3	3	3	4	4	4
SISKIYOU	36	37	38	40	41	42
SOLANO	140	144	149	153	157	162
SONOMA	185	191	197	203	209	214
STANISLAUS	166	171	176	181	186	192
SUTTER	49	50	52	53	55	56
TEHAMA	38	39	40	41	43	44
TRINITY	17	17	18	18	19	19
TULARE	83	85	88	90	93	96
TUOLUMNE	51	52	54	55	57	59
VENTURA	231	238	246	253	260	267
YOLO	58	60	62	63	65	67
YUBA	37	38	39	41	42	43

**Table 10 -
Recreational Boats,
Diesel (DMV
registrations)**

	2006	2007	2008	2009	2010	2011
CALIFORNIA	9848	10084	10323	10563	10807	11023
ALAMEDA	374	383	392	401	410	420
ALPINE	1	1	1	1	1	1
AMADOR	29	30	30	31	32	33
BUTTE	164	168	172	176	180	185
CALAVERAS	45	47	48	49	50	51
COLUSA	14	14	15	15	15	16
CONTRA COSTA	456	467	478	489	500	512
DEL NORTE	17	17	18	18	19	19
EL DORADO	135	138	142	145	148	152
FRESNO	235	240	246	252	258	264
GLENN	20	21	21	21	22	23
HUMBOLDT	79	81	83	85	87	89
IMPERIAL	28	29	30	30	31	32
INYO	13	13	13	13	14	14
KERN	165	168	172	177	181	185
KINGS	26	26	27	27	28	29
LAKE	118	121	124	126	129	133
LASSEN	33	34	35	35	36	37
LOS ANGELES	1450	1485	1520	1556	1591	1631
MADERA	56	57	59	60	61	63
MARIN	124	127	130	133	136	139
MARIPOSA	14	14	14	15	15	15
MENDOCINO	53	54	56	57	58	60
MERCED	64	66	67	69	71	72
MODOC	8	9	9	9	9	9
MONO	12	13	13	13	14	14
MONTEREY	92	94	96	99	101	103
NAPA	80	82	84	86	88	90
NEVADA	96	98	100	103	105	107
ORANGE	828	848	868	888	909	931
PLACER	184	188	193	197	202	207
PLUMAS	38	39	40	40	41	42
RIVERSIDE	418	429	439	449	459	470
SACRAMENTO	518	530	542	555	568	582
SAN BENITO	14	14	15	15	15	16
SAN BERNARDINO	475	487	498	510	522	535
SAN DIEGO	687	704	720	737	754	773
SAN FRANCISCO	51	52	54	55	56	57
SAN JOAQUIN	270	276	283	289	296	303
SAN LUIS OBISPO	118	121	124	127	130	133
SAN MATEO	178	182	186	191	195	200
SANTA BARBARA	108	110	113	116	118	121
SANTA CLARA	395	404	414	424	433	444
SANTA CRUZ	87	89	91	93	95	98
SHASTA	185	189	194	198	203	208
SIERRA	4	4	4	4	4	4
SISKIYOU	43	44	45	46	47	48
SOLANO	166	169	174	178	182	186
SONOMA	220	225	230	236	241	247
STANISLAUS	196	201	206	210	215	221
SUTTER	58	59	60	62	63	65
TEHAMA	45	46	47	48	49	50
TRINITY	20	20	21	21	22	22
TULARE	98	100	103	105	107	110
TUOLUMNE	60	61	63	64	66	67
VENTURA	274	280	287	294	300	308
YOLO	69	70	72	74	75	77
YUBA	44	45	46	47	48	49

**Table 10 -
Recreational Boats,
Diesel (DMV
registrations)**

	2012	2013	2014	2015	2016	2017
CALIFORNIA	11243	11468	11698	11932	12051	12171
ALAMEDA	431	441	452	462	473	484
ALPINE	1	1	1	1	1	1
AMADOR	33	34	35	36	37	38
BUTTE	189	194	198	203	208	213
CALAVERAS	52	54	55	56	57	59
COLUSA	16	16	17	17	18	18
CONTRA COSTA	525	538	550	564	577	591
DEL NORTE	20	20	20	21	21	22
EL DORADO	156	159	163	167	171	175
FRESNO	270	277	284	290	297	304
GLENN	23	24	24	25	25	26
HUMBOLDT	91	93	95	98	100	102
IMPERIAL	33	33	34	35	36	37
INYO	14	15	15	15	16	16
KERN	189	194	199	203	208	213
KINGS	29	30	31	32	32	33
LAKE	136	139	142	146	149	153
LASSEN	38	39	40	41	42	43
LOS ANGELES	1670	1711	1752	1793	1836	1879
MADERA	64	66	68	69	71	72
MARIN	143	146	150	153	157	161
MARIPOSA	16	16	16	17	17	18
MENDOCINO	61	63	64	66	67	69
MERCED	74	76	78	80	81	83
MODOC	10	10	10	10	11	11
MONO	14	15	15	15	16	16
MONTEREY	106	108	111	114	116	119
NAPA	92	95	97	99	102	104
NEVADA	110	113	115	118	121	124
ORANGE	954	977	1000	1024	1048	1073
PLACER	212	217	222	227	233	238
PLUMAS	43	44	46	47	48	49
RIVERSIDE	482	494	505	518	530	542
SACRAMENTO	596	610	625	640	655	671
SAN BENITO	16	17	17	17	18	18
SAN BERNARDINO	548	561	574	588	602	616
SAN DIEGO	791	810	830	850	870	890
SAN FRANCISCO	59	60	62	63	65	66
SAN JOAQUIN	310	318	326	333	341	349
SAN LUIS OBISPO	136	140	143	146	150	153
SAN MATEO	205	210	215	220	225	230
SANTA BARBARA	124	127	130	133	137	140
SANTA CLARA	455	466	477	488	500	512
SANTA CRUZ	100	102	105	107	110	112
SHASTA	213	218	223	229	234	240
SIERRA	4	5	5	5	5	5
SISKIYOU	49	50	52	53	54	55
SOLANO	191	195	200	205	210	214
SONOMA	253	259	265	272	278	285
STANISLAUS	226	231	237	243	248	254
SUTTER	66	68	70	71	73	75
TEHAMA	52	53	54	55	57	58
TRINITY	23	23	24	24	25	25
TULARE	113	115	118	121	124	127
TUOLUMNE	69	71	72	74	76	78
VENIURA	315	323	331	338	346	355
YOLO	79	81	83	85	87	89
YUBA	51	52	53	54	56	57

**Table 10 -
Recreational Boats,
Diesel (DMV
registrations)**

	2018	2019	2020
CALIFORNIA	12293	12416	12540
ALAMEDA	496	507	519
ALPINE	1	1	1
AMADOR	38	39	40
BUTTE	218	223	228
CALAVERAS	60	62	63
COLUSA	19	19	19
CONTRA COSTA	604	618	632
DEL NORTE	22	23	24
EL DORADO	179	183	187
FRESNO	311	319	326
GLENN	27	27	28
HUMBOLDT	105	107	110
IMPERIAL	38	39	39
INYO	17	17	17
KERN	218	223	228
KINGS	34	35	36
LAKE	156	160	164
LASSEN	44	45	46
LOS ANGELES	1923	1967	2012
MADERA	74	76	78
MARIN	164	168	172
MARIPOSA	18	18	19
MENDOCINO	70	72	74
MERCED	85	87	89
MODOC	11	11	12
MONO	17	17	17
MONTEREY	122	125	127
NAPA	106	109	111
NEVADA	127	130	133
ORANGE	1098	1123	1149
PLACER	244	249	255
PLUMAS	50	51	52
RIVERSIDE	555	568	581
SACRAMENTO	686	702	718
SAN BENITO	19	19	19
SAN BERNARDINO	630	645	660
SAN DIEGO	911	932	953
SAN FRANCISCO	68	69	71
SAN JOAQUIN	357	366	374
SAN LUIS OBISPO	157	161	164
SAN MATEO	236	241	247
SANTA BARBARA	143	146	150
SANTA CLARA	524	536	548
SANTA CRUZ	115	118	120
SHASTA	245	251	257
SIERRA	5	5	5
SISKIYOU	57	58	59
SOLANO	219	225	230
SONOMA	291	298	305
STANISLAUS	260	266	272
SUTTER	76	78	80
TEHAMA	59	61	62
TRINITY	26	27	27
TULARE	130	133	136
TUOLUMNE	80	81	83
VENTURA	363	371	380
YOLO	91	93	95
YUBA	58	60	61

Table 11 - Commercial
Boats, Gasoline (DMV
Registrations)

	1970	1971	1972	1973	1974	1975
CALIFORNIA	12465	12434	12410	12382	12351	12315
ALAMEDA	464	462	462	461	459	458
ALPINE	0	0	0	0	0	0
AMADOR	76	76	76	75	75	75
BUTTE	74	74	74	73	73	73
CALAVERAS	29	29	29	29	28	28
COLUSA	13	13	13	13	13	13
CONTRA COSTA	469	468	467	466	464	463
DEL NORTE	153	152	152	152	151	151
EL DORADO	149	148	148	148	147	147
FRESNO	255	255	254	254	253	252
GLENN	10	10	10	10	10	10
HUMBOLDT	324	323	323	322	321	320
IMPERIAL	32	32	32	32	32	31
INYO	18	18	18	18	18	18
KERN	126	126	126	125	125	125
KINGS	2	2	2	2	2	2
LAKE	291	291	290	289	289	288
LASSEN	59	59	59	59	59	59
LOS ANGELES	1413	1410	1407	1404	1401	1396
MADERA	46	46	46	46	46	46
MARIN	244	244	243	242	242	241
MARIPOSA	16	16	16	16	16	16
MENDOCINO	181	180	180	179	179	178
MERCED	65	64	64	64	64	64
MODOC	2	2	2	2	2	2
MONO	275	274	274	273	272	272
MONTEREY	312	311	310	310	309	308
NAPA	99	99	99	99	99	98
NEVADA	31	31	31	31	30	30
ORANGE	935	933	931	929	927	924
PLACER	128	128	128	127	127	127
PLUMAS	79	79	79	78	78	78
RIVERSIDE	171	171	171	170	170	169
SACRAMENTO	789	787	785	783	782	779
SAN BENITO	3	3	3	3	3	3
SAN BERNARDINO	410	409	408	408	407	405
SAN DIEGO	1243	1240	1238	1235	1232	1228
SAN FRANCISCO	219	219	219	218	217	217
SAN JOAQUIN	310	309	308	308	307	306
SAN LUIS OBISPO	215	215	214	214	213	213
SAN MATEO	192	191	191	191	190	189
SANTA BARBARA	292	292	291	290	290	289
SANTA CLARA	270	269	269	268	267	267
SANTA CRUZ	174	174	174	173	173	172
SHASTA	601	600	598	597	596	594
SIERRA	17	17	17	17	17	17
SISKIYOU	35	35	35	35	35	34
SOLANO	139	139	139	139	138	138
SONOMA	141	140	140	140	139	139
STANISLAUS	108	107	107	107	107	106
SUTTER	25	25	25	24	24	24
TEHAMA	30	30	30	30	29	29
TRINITY	94	94	94	94	94	93
TULARE	80	80	80	79	79	79
TUOLUMNE	86	86	86	86	85	85
VENTURA	281	280	280	279	278	278
YOLO	119	119	118	118	118	118
YUBA	48	48	48	48	48	48

**Table 11 - Commercial
Boats, Gasoline (DMV
Registrations)**

	1976	1977	1978	1979	1980	1981
CALIFORNIA	12276	12234	12186	12144	12092	12042
ALAMEDA	457	455	453	452	450	448
ALPINE	0	0	0	0	0	0
AMADOR	75	74	74	74	74	73
BUTTE	73	72	72	72	72	71
CALAVERAS	28	28	28	28	28	28
COLUSA	13	13	13	13	13	13
CONTRA COSTA	462	460	458	457	455	453
DEL NORTE	151	150	149	149	148	148
EL DORADO	146	146	145	145	144	144
FRESNO	252	251	250	249	248	247
GLENN	10	10	10	10	10	10
HUMBOLDT	319	318	317	316	314	313
IMPERIAL	31	31	31	31	31	31
INYO	18	18	18	18	18	18
KERN	124	124	123	123	122	122
KINGS	2	2	2	2	2	2
LAKE	287	286	285	284	283	281
LASSEN	59	58	58	58	58	57
LOS ANGELES	1392	1387	1382	1377	1371	1365
MADERA	45	45	45	45	45	45
MARIN	240	240	239	238	237	236
MARIPOSA	16	16	16	16	16	16
MENDOCINO	178	177	176	176	175	174
MERCED	64	63	63	63	63	62
MODOC	2	2	2	2	2	2
MONO	271	270	269	268	267	266
MONTEREY	307	306	305	304	302	301
NAPA	98	98	97	97	97	96
NEVADA	30	30	30	30	30	30
ORANGE	921	918	914	911	907	904
PLACER	126	126	125	125	124	124
PLUMAS	78	78	77	77	77	76
RIVERSIDE	169	168	167	167	166	165
SACRAMENTO	777	774	771	768	765	762
SAN BENITO	3	3	3	3	3	3
SAN BERNARDINO	404	403	401	400	398	396
SAN DIEGO	1224	1220	1215	1211	1206	1201
SAN FRANCISCO	216	215	215	214	213	212
SAN JOAQUIN	305	304	303	302	300	299
SAN LUIS OBISPO	212	211	211	210	209	208
SAN MATEO	189	188	188	187	186	185
SANTA BARBARA	288	287	286	285	284	282
SANTA CLARA	266	265	264	263	262	261
SANTA CRUZ	172	171	170	170	169	168
SHASTA	592	590	588	586	583	581
SIERRA	17	17	17	17	17	17
SISKIYOU	34	34	34	34	34	34
SOLANO	137	137	136	136	135	135
SONOMA	138	138	137	137	136	136
STANISLAUS	106	106	105	105	104	104
SUTTER	24	24	24	24	24	24
TEHAMA	29	29	29	29	29	29
TRINITY	93	93	92	92	92	91
TULARE	79	79	78	78	78	77
TUOLUMNE	85	85	84	84	84	83
VENTURA	277	276	275	274	273	271
YOLO	117	117	116	116	115	115
YUBA	47	47	47	47	47	47

Table 11 - Commercial
Boats, Gasoline (DMV
Registrations)

	1982	1983	1984	1985	1986	1987
CALIFORNIA	12209	12961	15986	15833	15825	15967
ALAMEDA	510	522	599	604	639	653
ALPINE	0	0	1	0	0	0
AMADOR	81	97	108	103	107	103
BUTTE	87	86	92	72	102	100
CALAVERAS	39	38	57	61	63	85
COLUSA	15	17	27	24	21	21
CONTRA COSTA	431	424	482	494	483	494
DEL NORTE	150	167	166	161	155	142
EL DORADO	161	165	187	193	202	196
FRESNO	239	244	293	296	297	306
GLENN	14	14	18	19	21	24
HUMBOLDT	318	310	325	320	331	371
IMPERIAL	34	45	44	43	51	49
INYO	19	31	33	32	33	32
KERN	119	132	163	166	174	152
KINGS	3	5	11	20	34	37
LAKE	299	309	328	317	298	253
LASSEN	74	87	91	88	98	91
LOS ANGELES	1372	1423	1916	1886	1838	1781
MADERA	45	47	55	53	54	44
MARIN	226	216	248	237	227	230
MARIPOSA	16	19	27	9	27	24
MENDOCINO	169	180	219	199	202	231
MERCED	71	69	79	69	75	76
MODOC	2	2	3	3	2	2
MONO	289	353	387	377	380	382
MONTEREY	112	333	386	359	371	397
NAPA	111	110	127	170	149	152
NEVADA	21	25	38	55	54	49
ORANGE	856	943	1071	1010	1032	1043
PLACER	148	150	188	215	221	201
PLUMAS	77	86	95	93	96	93
RIVERSIDE	196	175	302	263	187	275
SACRAMENTO	685	670	832	836	863	880
SAN BENITO	3	2	2	2	2	1
SAN BERNARDINO	458	498	726	765	726	758
SAN DIEGO	1199	1272	1587	1465	1489	1443
SAN FRANCISCO	207	207	233	248	238	228
SAN JOAQUIN	317	335	457	487	385	436
SAN LUIS OBISPO	207	233	257	243	231	253
SAN MATEO	202	197	232	242	225	230
SANTA BARBARA	326	323	494	484	484	489
SANTA CLARA	261	263	322	325	331	317
SANTA CRUZ	180	190	250	236	236	220
SHASTA	640	703	889	880	939	930
SIERRA	17	27	38	38	39	39
SISKIYOU	39	40	51	51	50	50
SOLANO	126	140	165	165	179	178
SONOMA	144	140	164	160	156	180
STANISLAUS	102	118	138	157	167	157
SUTTER	20	21	41	37	39	44
TEHAMA	30	30	33	21	17	21
TRINITY	99	106	129	134	140	147
TULARE	87	104	117	114	117	120
TUOLUMNE	99	48	77	146	143	141
VENTURA	297	306	382	401	420	432
YOLO	113	119	132	120	117	112
YUBA	50	50	73	65	70	77

**Table 11 - Commercial
Boats, Gasoline (DMV
Registrations)**

	1988	1989	1990	1991	1992	1993
CALIFORNIA	16481	15948	16016	15695	15166	15178
ALAMEDA	642	627	681	697	704	689
ALPINE	5	2	2	0	0	0
AMADOR	95	94	90	88	102	98
BUTTE	112	127	130	146	146	137
CALAVERAS	86	60	82	86	86	82
COLUSA	23	23	24	21	21	20
CONTRA COSTA	425	425	403	425	459	454
DEL NORTE	140	136	124	129	123	123
EL DORADO	191	206	210	211	204	237
FRESNO	302	292	293	284	289	287
GLENN	23	18	20	21	17	15
HUMBOLDT	360	339	335	356	347	332
IMPERIAL	49	52	42	34	43	47
INYO	33	33	29	28	29	23
KERN	147	145	152	145	147	141
KINGS	38	34	31	25	27	25
LAKE	277	298	281	310	331	335
LASSEN	93	96	105	109	119	116
LOS ANGELES	1743	1809	1780	1672	1593	1476
MADERA	48	61	56	72	69	75
MARIN	262	257	242	244	230	245
MARIPOSA	45	39	33	34	30	32
MENDOCINO	261	272	280	306	330	300
MERCED	82	74	78	75	63	73
MODOC	2	3	2	1	1	1
MONO	377	382	383	407	361	308
MONTEREY	386	388	374	376	348	352
NAPA	165	130	136	138	137	134
NEVADA	51	60	40	46	33	39
ORANGE	1599	1001	1007	1055	1021	997
PLACER	198	190	180	185	198	213
PLUMAS	102	114	128	121	119	115
RIVERSIDE	287	275	307	333	288	360
SACRAMENTO	874	1175	1151	839	834	817
SAN BENITO	3	4	5	4	3	4
SAN BERNARDINO	747	660	611	615	590	627
SAN DIEGO	1388	1380	1313	1328	1300	1245
SAN FRANCISCO	213	215	246	236	227	204
SAN JOAQUIN	477	427	584	416	398	354
SAN LUIS OBISPO	271	266	264	292	307	294
SAN MATEO	238	230	248	246	232	211
SANTA BARBARA	468	460	443	415	414	485
SANTA CLARA	314	302	262	240	226	210
SANTA CRUZ	240	250	259	251	238	241
SHASTA	918	776	811	851	778	826
SIERRA	38	38	36	36	35	35
SISKIYOU	49	49	52	56	54	52
SOLANO	187	174	183	179	184	188
SONOMA	195	248	243	247	274	307
STANISLAUS	165	161	169	167	175	171
SUTTER	49	48	35	40	42	42
TEHAMA	27	40	38	36	37	34
TRINITY	145	151	160	160	161	168
TULARE	122	118	125	131	129	128
TUOLUMNE	124	139	140	141	138	136
VENTURA	394	400	399	405	197	342
YOLO	106	101	98	97	92	90
YUBA	80	79	82	94	90	90

**Table 11 - Commercial
Boats, Gasoline (DMV
Registrations)**

	1994	1995	1996	1997	1998	1999
CALIFORNIA	15116	15049	14980	14914	14847	14782
ALAMEDA	686	688	682	679	677	673
ALPINE	0	0	0	0	0	0
AMADOR	95	98	96	95	95	95
BUTTE	141	140	138	138	137	137
CALAVERAS	84	83	82	82	82	82
COLUSA	20	20	20	20	20	20
CONTRA COSTA	440	448	443	439	439	437
DEL NORTE	123	122	122	121	120	120
EL DORADO	214	217	221	215	216	215
FRESNO	283	285	282	281	280	279
GLENN	17	16	16	16	16	16
HUMBOLDT	340	337	333	334	332	330
IMPERIAL	40	43	43	42	42	42
INYO	26	26	25	25	25	25
KERN	142	142	140	140	140	139
KINGS	25	25	25	25	25	25
LAKE	321	327	325	321	321	319
LASSEN	113	115	114	113	113	112
LOS ANGELES	1556	1531	1507	1517	1505	1497
MADERA	71	71	72	71	71	71
MARIN	236	235	236	234	233	232
MARIPOSA	31	31	31	31	30	30
MENDOCINO	308	310	303	304	303	301
MERCED	70	68	70	69	68	68
MODOC	1	1	1	1	1	1
MONO	353	338	330	337	332	330
MONTEREY	353	349	348	347	345	343
NAPA	134	134	133	132	132	131
NEVADA	38	36	37	37	37	37
ORANGE	1009	1002	994	992	987	982
PLACER	196	201	202	198	198	197
PLUMAS	116	116	115	115	114	114
RIVERSIDE	322	321	331	322	322	322
SACRAMENTO	818	817	810	808	804	800
SAN BENITO	4	3	4	4	4	4
SAN BERNARDINO	602	602	605	597	596	594
SAN DIEGO	1272	1263	1249	1250	1243	1236
SAN FRANCISCO	219	215	211	213	211	210
SAN JOAQUIN	383	376	368	372	369	366
SAN LUIS OBISPO	294	296	292	291	291	289
SAN MATEO	226	221	218	220	218	216
SANTA BARBARA	432	440	448	436	438	437
SANTA CLARA	222	218	215	216	214	213
SANTA CRUZ	239	238	237	236	235	234
SHASTA	806	797	802	795	791	789
SIERRA	34	34	34	34	34	34
SISKIYOU	53	52	52	52	52	51
SOLANO	181	183	183	181	181	180
SONOMA	272	282	285	277	279	278
STANISLAUS	169	171	169	168	168	167
SUTTER	40	41	41	40	40	40
TEHAMA	35	35	34	34	34	34
TRINITY	161	162	162	160	160	160
TULARE	127	127	126	126	125	125
TUOLUMNE	136	136	135	134	134	133
VENTURA	309	281	308	297	292	296
YOLO	92	91	90	90	89	89
YUBA	90	90	89	89	88	88

**Table 11 - Commercial
Boats, Gasoline (DMV
Registrations)**

	2000	2001	2002	2003	2004	2005
CALIFORNIA	14720	14658	14596	14537	14478	14419
ALAMEDA	671	668	665	662	660	657
ALPINE	0	0	0	0	0	0
AMADOR	94	94	94	93	93	92
BUTTE	136	136	135	135	134	133
CALAVERAS	81	81	81	80	80	80
COLUSA	20	20	19	19	19	19
CONTRA COSTA	435	433	431	430	428	426
DEL NORTE	119	119	118	118	118	117
EL DORADO	214	213	212	211	210	210
FRESNO	277	276	275	274	273	272
GLENN	16	16	16	16	16	16
HUMBOLDT	329	327	326	325	323	322
IMPERIAL	42	41	41	41	41	41
INYO	25	25	24	24	24	24
KERN	138	138	137	137	136	135
KINGS	25	24	24	24	24	24
LAKE	318	317	315	314	313	311
LASSEN	112	111	111	110	110	109
LOS ANGELES	1493	1486	1479	1474	1467	1461
MADERA	70	70	70	69	69	69
MARIN	231	230	229	228	227	226
MARIPOSA	30	30	30	30	30	30
MENDOCINO	300	299	298	297	295	294
MERCED	68	68	67	67	67	66
MODOC	1	1	1	1	1	1
MONO	330	328	327	326	324	323
MONTEREY	342	340	339	338	336	335
NAPA	131	130	130	129	128	128
NEVADA	36	36	36	36	36	36
ORANGE	979	974	970	966	962	958
PLACER	196	196	195	194	193	192
PLUMAS	113	113	112	112	111	111
RIVERSIDE	319	318	317	316	315	313
SACRAMENTO	797	794	790	787	784	781
SAN BENITO	3	3	3	3	3	3
SAN BERNARDINO	591	589	586	584	581	579
SAN DIEGO	1232	1227	1221	1217	1212	1207
SAN FRANCISCO	209	208	207	207	206	205
SAN JOAQUIN	366	364	362	361	359	358
SAN LUIS OBISPO	288	287	285	284	283	282
SAN MATEO	216	215	214	213	212	211
SANTA BARBARA	433	432	430	428	427	425
SANTA CLARA	213	212	211	210	209	208
SANTA CRUZ	233	232	231	230	229	228
SHASTA	785	782	778	775	772	769
SIERRA	34	33	33	33	33	33
SISKIYOU	51	51	51	50	50	50
SOLANO	179	178	177	177	176	175
SONOMA	276	275	274	272	272	270
STANISLAUS	166	165	165	164	163	163
SUTTER	40	40	40	39	39	39
TEHAMA	34	34	33	33	33	33
TRINITY	159	158	157	157	156	155
TULARE	124	124	123	123	122	122
TUOLUMNE	132	132	131	131	130	130
VENTURA	293	291	291	289	288	287
YOLO	89	88	88	88	87	87
YUBA	88	87	87	87	86	86

Table 11 - Commercial
Boats, Gasoline (DMV
Registrations)

	2006	2007	2008	2009	2010	2011
CALIFORNIA	14360	14300	14239	14179	14118	14056
ALAMEDA	654	651	649	646	643	640
ALPINE	0	0	0	0	0	0
AMADOR	92	92	91	91	91	90
BUTTE	133	132	132	131	131	130
CALAVERAS	79	79	79	78	78	78
COLUSA	19	19	19	19	19	19
CONTRA COSTA	424	423	421	419	417	415
DEL NORTE	117	116	116	115	115	114
EL DORADO	209	208	207	206	205	204
FRESNO	271	269	268	267	266	265
GLENN	16	15	15	15	15	15
HUMBOLDT	321	319	318	317	315	314
IMPERIAL	41	40	40	40	40	40
INYO	24	24	24	24	24	24
KERN	135	134	134	133	133	132
KINGS	24	24	24	24	24	23
LAKE	310	309	308	306	305	304
LASSEN	109	109	108	108	107	107
LOS ANGELES	1456	1449	1443	1437	1431	1425
MADERA	69	68	68	68	67	67
MARIN	225	225	224	223	222	221
MARIPOSA	30	29	29	29	29	29
MENDOCINO	293	292	290	289	288	287
MERCED	66	66	66	65	65	65
MODOC	1	1	1	1	1	1
MONO	322	320	319	318	316	315
MONTEREY	334	332	331	329	328	327
NAPA	127	127	126	126	125	125
NEVADA	36	35	35	35	35	35
ORANGE	955	951	947	943	938	934
PLACER	192	191	190	189	188	188
PLUMAS	110	110	109	109	108	108
RIVERSIDE	312	311	309	308	307	305
SACRAMENTO	778	774	771	768	764	761
SAN BENITO	3	3	3	3	3	3
SAN BERNARDINO	577	574	572	569	567	564
SAN DIEGO	1202	1197	1192	1187	1181	1176
SAN FRANCISCO	204	203	202	202	201	200
SAN JOAQUIN	357	355	354	352	350	349
SAN LUIS OBISPO	281	280	278	277	276	275
SAN MATEO	210	210	209	208	207	206
SANTA BARBARA	423	421	420	418	416	414
SANTA CLARA	207	206	205	205	204	203
SANTA CRUZ	227	226	225	224	223	222
SHASTA	766	763	759	756	753	750
SIERRA	33	33	33	32	32	32
SISKIYOU	50	50	49	49	49	49
SOLANO	175	174	173	172	172	171
SONOMA	269	268	267	266	265	264
STANISLAUS	162	161	161	160	159	159
SUTTER	39	39	39	38	38	38
TEHAMA	33	33	33	33	32	32
TRINITY	155	154	154	153	152	152
TULARE	121	121	120	120	119	119
TUOLUMNE	129	129	128	128	127	126
VENTURA	286	285	283	282	281	280
YOLO	87	86	86	85	85	85
YUBA	85	85	85	84	84	84

**Table 11 - Commercial
Boats, Gasoline (DMV
Registrations)**

	2012	2013	2014	2015	2016	2017
CALIFORNIA	13993	13929	13864	13798	13731	13663
ALAMEDA	637	635	632	629	626	622
ALPINE	0	0	0	0	0	0
AMADOR	90	89	89	88	88	88
BUTTE	129	129	128	128	127	126
CALAVERAS	77	77	77	76	76	75
COLUSA	19	19	18	18	18	18
CONTRA COSTA	413	412	410	408	406	404
DEL NORTE	114	113	113	112	111	111
EL DORADO	203	202	201	200	199	199
FRESNO	264	262	261	260	259	257
GLENN	15	15	15	15	15	15
HUMBOLDT	313	311	310	308	307	305
IMPERIAL	40	39	39	39	39	39
INYO	23	23	23	23	23	23
KERN	131	131	130	130	129	128
KINGS	23	23	23	23	23	23
LAKE	302	301	299	298	297	295
LASSEN	106	106	105	105	104	104
LOS ANGELES	1418	1412	1405	1399	1392	1385
MADERA	67	66	66	66	66	65
MARIN	220	219	218	217	216	215
MARIPOSA	29	29	28	28	28	28
MENDOCINO	285	284	283	281	280	279
MERCED	64	64	64	64	63	63
MODOC	1	1	1	1	1	1
MONO	313	312	311	309	308	306
MONTIEREY	325	324	322	321	319	317
NAPA	124	124	123	122	122	121
NEVADA	35	34	34	34	34	34
ORANGE	930	926	922	917	913	908
PLACER	187	186	185	184	183	182
PLUMAS	108	107	107	106	106	105
RIVERSIDE	304	303	301	300	298	297
SACRAMENTO	758	754	751	747	743	740
SAN BENITO	3	3	3	3	3	3
SAN BERNARDINO	562	559	557	554	551	549
SAN DIEGO	1171	1166	1160	1155	1149	1143
SAN FRANCISCO	199	198	197	196	195	194
SAN JOAQUIN	347	346	344	343	341	339
SAN LUIS OBISPO	274	272	271	270	268	267
SAN MATEO	205	204	203	202	201	200
SANTA BARBARA	412	411	409	407	405	403
SANTA CLARA	202	201	200	199	198	197
SANTA CRUZ	221	220	219	218	217	216
SHASTA	746	743	739	736	732	729
SIERRA	32	32	32	32	31	31
SISKIYOU	49	48	48	48	48	47
SOLANO	170	169	169	168	167	166
SONOMA	262	261	260	259	257	256
STANISLAUS	158	157	156	156	155	154
SUTTER	38	38	38	37	37	37
TEHAMA	32	32	32	32	32	31
TRINITY	151	150	149	149	148	147
TULARE	118	117	117	116	116	115
TUOLUMNE	126	125	125	124	123	123
VENTURA	278	277	276	275	273	272
YOLO	84	84	84	83	83	82
YUBA	83	83	83	82	82	81

**Table 11 - Commercial
Boats, Gasoline (DMV
Registrations)**

	2018	2019	2020
CALIFORNIA	13594	13525	13454
ALAMEDA	619	616	613
ALPINE	0	0	0
AMADOR	87	87	86
BUTTE	126	125	124
CALAVERAS	75	75	74
COLUSA	18	18	18
CONTRA COSTA	402	400	398
DEL NORTE	110	110	109
EL DORADO	198	196	195
FRESNO	256	255	254
GLENN	15	15	15
HUMBOLDT	304	302	300
IMPERIAL	38	38	38
INYO	23	23	23
KERN	128	127	126
KINGS	23	23	22
LAKE	294	292	291
LASSEN	103	103	102
LOS ANGELES	1378	1371	1364
MADERA	65	65	64
MARIN	213	212	211
MARIPOSA	28	28	28
MENDOCINO	277	276	274
MERCED	63	62	62
MODOC	1	1	1
MONO	305	303	301
MONTEREY	316	314	313
NAPA	121	120	119
NEVADA	34	33	33
ORANGE	904	899	894
PLACER	181	180	179
PLUMAS	104	104	103
RIVERSIDE	295	294	292
SACRAMENTO	736	732	728
SAN BENITO	3	3	3
SAN BERNARDINO	546	543	540
SAN DIEGO	1138	1132	1126
SAN FRANCISCO	193	192	191
SAN JOAQUIN	338	336	334
SAN LUIS OBISPO	266	264	263
SAN MATEO	199	198	197
SANTA BARBARA	401	399	397
SANTA CLARA	196	195	194
SANTA CRUZ	215	214	213
SHASTA	725	721	717
SIERRA	31	31	31
SISKIYOU	47	47	47
SOLANO	165	164	164
SONOMA	255	254	252
STANISLAUS	153	153	152
SUTTER	37	37	36
TEHAMA	31	31	31
TRINITY	147	146	145
TULARE	115	114	113
TUOLUMNE	122	122	121
VENTURA	270	269	268
YOLO	82	82	81
YUBA	81	80	80

Table 12- Commercial Boats,
Diesel (DMV Registrations)

	1970	1971	1972	1973	1974	1975
CALIFORNIA	115	115	114	114	114	114
ALAMEDA	4	4	4	4	4	4
ALPINE	0	0	0	0	0	0
AMADOR	1	1	1	1	1	1
BUTTE	1	1	1	1	1	1
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	4	4	4	4	4	4
DEL NORIE	1	1	1	1	1	1
EL DORADO	1	1	1	1	1	1
FRESNO	2	2	2	2	2	2
GLENN	0	0	0	0	0	0
HUMBOLDT	3	3	3	3	3	3
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	1	1	1	1	1	1
KINGS	0	0	0	0	0	0
LAKE	3	3	3	3	3	3
LASSEN	1	1	1	1	1	1
LOS ANGELES	13	13	13	13	13	13
MADERA	0	0	0	0	0	0
MARIN	2	2	2	2	2	2
MARIPOSA	0	0	0	0	0	0
MENDOCINO	2	2	2	2	2	2
MERCED	1	1	1	1	1	1
MODOC	0	0	0	0	0	0
MONO	3	3	3	3	3	3
MONTEREY	3	3	3	3	3	3
NAPA	1	1	1	1	1	1
NEVADA	0	0	0	0	0	0
ORANGE	9	9	9	9	9	9
PLACER	1	1	1	1	1	1
PLUMAS	1	1	1	1	1	1
RIVERSIDE	2	2	2	2	2	2
SACRAMENTO	7	7	7	7	7	7
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	4	4	4	4	4	4
SAN DIEGO	11	11	11	11	11	11
SAN FRANCISCO	2	2	2	2	2	2
SAN JOAQUIN	3	3	3	3	3	3
SAN LUIS OBISPO	2	2	2	2	2	2
SAN MATEO	2	2	2	2	2	2
SANTA BARBARA	3	3	3	3	3	3
SANTA CLARA	2	2	2	2	2	2
SANTA CRUZ	2	2	2	2	2	2
SHASTA	6	6	6	6	5	5
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	1	1	1	1	1	1
SONOMA	1	1	1	1	1	1
STANISLAUS	1	1	1	1	1	1
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	1	1	1	1	1	1
TULARE	1	1	1	1	1	1
TUOLUMNE	1	1	1	1	1	1
VENTURA	3	3	3	3	3	3
YOLO	1	1	1	1	1	1
YUBA	0	0	0	0	0	0

Table 12- Commercial Boats,
Diesel (DMV Registrations)

	1976	1977	1978	1979	1980	1981
CALIFORNIA	113	113	112	112	111	111
ALAMEDA	4	4	4	4	4	4
ALPINE	0	0	0	0	0	0
AMADOR	1	1	1	1	1	1
BUTTE	1	1	1	1	1	1
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	4	4	4	4	4	4
DEL NORTE	1	1	1	1	1	1
EL DORADO	1	1	1	1	1	1
FRESNO	2	2	2	2	2	2
GLENN	0	0	0	0	0	0
HUMBOLDT	3	3	3	3	3	3
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	1	1	1	1	1	1
KINGS	0	0	0	0	0	0
LAKE	3	3	3	3	3	3
LASSEN	1	1	1	1	1	1
LOS ANGELES	13	13	13	13	13	13
MADERA	0	0	0	0	0	0
MARIN	2	2	2	2	2	2
MARIPOSA	0	0	0	0	0	0
MENDOCINO	2	2	2	2	2	2
MERCED	1	1	1	1	1	1
MODOC	0	0	0	0	0	0
MONO	2	2	2	2	2	2
MONTEREY	3	3	3	3	3	3
NAPA	1	1	1	1	1	1
NEVADA	0	0	0	0	0	0
ORANGE	8	8	8	8	8	8
PLACER	1	1	1	1	1	1
PLUMAS	1	1	1	1	1	1
RIVERSIDE	2	2	2	2	2	2
SACRAMENTO	7	7	7	7	7	7
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	4	4	4	4	4	4
SAN DIEGO	11	11	11	11	11	11
SAN FRANCISCO	2	2	2	2	2	2
SAN JOAQUIN	3	3	3	3	3	3
SAN LUIS OBISPO	2	2	2	2	2	2
SAN MATEO	2	2	2	2	2	2
SANTA BARBARA	3	3	3	3	3	3
SANTA CLARA	2	2	2	2	2	2
SANTA CRUZ	2	2	2	2	2	2
SHASTA	5	5	5	5	5	5
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	1	1	1	1	1	1
SONOMA	1	1	1	1	1	1
STANISLAUS	1	1	1	1	1	1
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	1	1	1	1	1	1
TULARE	1	1	1	1	1	1
TUOLUMNE	1	1	1	1	1	1
VENTURA	3	3	3	3	3	3
YOLO	1	1	1	1	1	1
YUBA	0	0	0	0	0	0

Table 12- Commercial Boats,
Diesel (DMV Registrations)

	1982	1983	1984	1985	1986	1987
CALIFORNIA	115	125	158	160	158	158
ALAMEDA	5	5	6	6	6	6
ALPINE	0	0	0	0	0	0
AMADOR	1	1	1	1	1	1
BUTTE	1	1	1	1	1	1
CALAVERAS	0	0	1	1	1	1
COLUSA	0	0	0	0	0	0
CONTRA COSTA	4	4	5	5	5	5
DEL NORTE	1	2	2	2	2	1
EL DORADO	2	2	2	2	2	2
FRESNO	2	2	3	3	3	3
GLENN	0	0	0	0	0	0
HUMBOLDT	3	3	3	3	3	4
IMPERIAL	0	0	0	0	1	0
INYO	0	0	0	0	0	0
KERN	1	1	2	2	2	1
KINGS	0	0	0	0	0	0
LAKE	3	3	3	3	3	3
LASSEN	1	1	1	1	1	1
LOS ANGELES	13	14	19	19	18	18
MADERA	0	0	1	1	1	0
MARIN	2	2	2	2	2	2
MARIPOSA	0	0	0	0	0	0
MENDOCINO	2	2	2	2	2	2
MERCED	1	1	1	1	1	1
MODOC	0	0	0	0	0	0
MONO	3	3	4	4	4	4
MONTEREY	1	3	4	4	4	4
NAPA	1	1	1	2	1	2
NEVADA	0	0	0	1	1	0
ORANGE	8	9	11	10	10	10
PLACER	1	1	2	2	2	2
PLUMAS	1	1	1	1	1	1
RIVERSIDE	2	2	3	3	2	3
SACRAMENTO	6	6	8	8	9	9
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	4	5	7	8	7	7
SAN DIEGO	11	12	16	15	15	14
SAN FRANCISCO	2	2	2	3	2	2
SAN JOAQUIN	3	3	5	5	4	4
SAN LUIS OBISPO	2	2	3	2	2	3
SAN MATEO	2	2	2	2	2	2
SANTA BARBARA	3	3	5	5	5	5
SANTA CLARA	2	3	3	3	3	3
SANTA CRUZ	2	2	2	2	2	2
SHASTA	6	7	9	9	9	9
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	1	1	0
SOLANO	1	1	2	2	2	2
SONOMA	1	1	2	2	2	2
STANISLAUS	1	1	1	2	2	2
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	1	1	1	1	1	1
TULARE	1	1	1	1	1	1
TUOLUMNE	1	0	1	1	1	1
VENTURA	3	3	4	4	4	4
YOLO	1	1	1	1	1	1
YUBA	0	0	1	1	1	1

Table 12- Commercial Boats,
Diesel (DMV Registrations)

	1988	1989	1990	1991	1992	1993
CALIFORNIA	161	154	153	154	138	138
ALAMEDA	6	6	6	7	6	6
ALPINE	0	0	0	0	0	0
AMADOR	1	1	1	1	1	1
BUTTE	1	1	1	1	1	1
CALAVERAS	1	1	1	1	1	1
COLUSA	0	0	0	0	0	0
CONTRA COSTA	4	4	4	4	4	4
DEL NORTE	1	1	1	1	1	1
EL DORADO	2	2	2	2	2	2
FRESNO	3	3	3	3	3	3
GLENN	0	0	0	0	0	0
HUMBOLDT	4	3	3	3	3	3
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	1	1	1	1	1	1
KINGS	0	0	0	0	0	0
LAKE	3	3	3	3	3	3
LASSEN	1	1	1	1	1	1
LOS ANGELES	17	17	17	16	14	13
MADERA	0	1	1	1	1	1
MARIN	3	2	2	2	2	2
MARIPOSA	0	0	0	0	0	0
MENDOCINO	3	3	3	3	3	3
MERCED	1	1	1	1	1	1
MODOC	0	0	0	0	0	0
MONO	4	4	4	4	3	3
MONTEREY	4	4	4	4	3	3
NAPA	2	1	1	1	1	1
NEVADA	1	1	0	0	0	0
ORANGE	16	10	10	10	9	9
PLACER	2	2	2	2	2	2
PLUMAS	1	1	1	1	1	1
RIVERSIDE	3	3	3	3	3	3
SACRAMENTO	9	11	11	8	8	7
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	7	6	6	6	5	6
SAN DIEGO	14	13	13	13	12	11
SAN FRANCISCO	2	2	2	2	2	2
SAN JOAQUIN	5	4	6	4	4	3
SAN LUIS OBISPO	3	3	3	3	3	3
SAN MATEO	2	2	2	2	2	2
SANTA BARBARA	5	4	4	4	4	4
SANTA CLARA	3	3	2	2	2	2
SANTA CRUZ	2	2	2	2	2	2
SHASTA	9	7	8	8	7	7
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	1	1	0	0
SOLANO	2	2	2	2	2	2
SONOMA	2	2	2	2	2	3
STANISLAUS	2	2	2	2	2	2
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	1	1	2	2	1	2
TULARE	1	1	1	1	1	1
TUOLUMNE	1	1	1	1	1	1
VENTURA	4	4	4	4	2	3
YOLO	1	1	1	1	1	1
YUBA	1	1	1	1	1	1

Table 12- Commercial Boats,
Diesel (DMV Registrations)

	1994	1995	1996	1997	1998	1999
CALIFORNIA	137	137	136	135	135	134
ALAMEDA	6	6	6	6	6	6
ALPINE	0	0	0	0	0	0
AMADOR	1	1	1	1	1	1
BUTTE	1	1	1	1	1	1
CALAVERAS	1	1	1	1	1	1
COLUSA	0	0	0	0	0	0
CONTRA COSTA	4	4	4	4	4	4
DEL NORTE	1	1	1	1	1	1
EL DORADO	2	2	2	2	2	2
FRESNO	3	3	3	3	3	3
GLENN	0	0	0	0	0	0
HUMBOLDT	3	3	3	3	3	3
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	1	1	1	1	1	1
KINGS	0	0	0	0	0	0
LAKE	3	3	3	3	3	3
LASSEN	1	1	1	1	1	1
LOS ANGELES	14	14	14	14	14	14
MADERA	1	1	1	1	1	1
MARIN	2	2	2	2	2	2
MARIPOSA	0	0	0	0	0	0
MENDOCINO	3	3	3	3	3	3
MERCED	1	1	1	1	1	1
MODOC	0	0	0	0	0	0
MONO	3	3	3	3	3	3
MONTEREY	3	3	3	3	3	3
NAPA	1	1	1	1	1	1
NEVADA	0	0	0	0	0	0
ORANGE	9	9	9	9	9	9
PLACER	2	2	2	2	2	2
PLUMAS	1	1	1	1	1	1
RIVERSIDE	3	3	3	3	3	3
SACRAMENTO	7	7	7	7	7	7
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	5	5	5	5	5	5
SAN DIEGO	12	11	11	11	11	11
SAN FRANCISCO	2	2	2	2	2	2
SAN JOAQUIN	3	3	3	3	3	3
SAN LUIS OBISPO	3	3	3	3	3	3
SAN MATEO	2	2	2	2	2	2
SANTA BARBARA	4	4	4	4	4	4
SANTA CLARA	2	2	2	2	2	2
SANTA CRUZ	2	2	2	2	2	2
SHASTA	7	7	7	7	7	7
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	2	2	2	2	2	2
SONOMA	2	3	3	3	3	3
STANISLAUS	2	2	2	2	2	2
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	1	1	1	1	1	1
TULARE	1	1	1	1	1	1
TUOLUMNE	1	1	1	1	1	1
VENTURA	3	3	3	3	3	3
YOLO	1	1	1	1	1	1
YUBA	1	1	1	1	1	1

Table 12- Commercial Boats,
Diesel (DMV Registrations)

	2000	2001	2002	2003	2004	2005
CALIFORNIA	134	133	133	132	131	131
ALAMEDA	6	6	6	6	6	6
ALPINE	0	0	0	0	0	0
AMADOR	1	1	1	1	1	1
BUTTE	1	1	1	1	1	1
CALAVERAS	1	1	1	1	1	1
COLUSA	0	0	0	0	0	0
CONTRA COSTA	4	4	4	4	4	4
DEL NORTE	1	1	1	1	1	1
EL DORADO	2	2	2	2	2	2
FRESNO	3	3	2	2	2	2
GLENN	0	0	0	0	0	0
HUMBOLDT	3	3	3	3	3	3
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	1	1	1	1	1	1
KINGS	0	0	0	0	0	0
LAKE	3	3	3	3	3	3
LASSEN	1	1	1	1	1	1
LOS ANGELES	14	13	13	13	13	13
MADERA	1	1	1	1	1	1
MARIN	2	2	2	2	2	2
MARIPOSA	0	0	0	0	0	0
MENDOCINO	3	3	3	3	3	3
MERCED	1	1	1	1	1	1
MODOC	0	0	0	0	0	0
MONO	3	3	3	3	3	3
MONTEREY	3	3	3	3	3	3
NAPA	1	1	1	1	1	1
NEVADA	0	0	0	0	0	0
ORANGE	9	9	9	9	9	9
PLACER	2	2	2	2	2	2
PLUMAS	1	1	1	1	1	1
RIVERSIDE	3	3	3	3	3	3
SACRAMENTO	7	7	7	7	7	7
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	5	5	5	5	5	5
SAN DIEGO	11	11	11	11	11	11
SAN FRANCISCO	2	2	2	2	2	2
SAN JOAQUIN	3	3	3	3	3	3
SAN LUIS OBISPO	3	3	3	3	3	3
SAN MATEO	2	2	2	2	2	2
SANTA BARBARA	4	4	4	4	4	4
SANTA CLARA	2	2	2	2	2	2
SANTA CRUZ	2	2	2	2	2	2
SHASTA	7	7	7	7	7	7
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	2	2	2	2	2	2
SONOMA	3	2	2	2	2	2
STANISLAUS	2	2	1	1	1	1
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	1	1	1	1	1	1
TULARE	1	1	1	1	1	1
TUOLUMNE	1	1	1	1	1	1
VENTURA	3	3	3	3	3	3
YOLO	1	1	1	1	1	1
YUBA	1	1	1	1	1	1

Table 12- Commercial Boats,
Diesel (DMV Registrations)

	2006	2007	2008	2009	2010	2011
CALIFORNIA	130	130	129	129	128	128
ALAMEDA	6	6	6	6	6	6
ALPINE	0	0	0	0	0	0
AMADOR	1	1	1	1	1	1
BUTTE	1	1	1	1	1	1
CALAVERAS	1	1	1	1	1	1
COLUSA	0	0	0	0	0	0
CONTRA COSTA	4	4	4	4	4	4
DEL NORTE	1	1	1	1	1	1
EL DORADO	2	2	2	2	2	2
FRESNO	2	2	2	2	2	2
GLENN	0	0	0	0	0	0
HUMBOLDT	3	3	3	3	3	3
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	1	1	1	1	1	1
KINGS	0	0	0	0	0	0
LAKE	3	3	3	3	3	3
LASSEN	1	1	1	1	1	1
LOS ANGELES	13	13	13	13	13	13
MADERA	1	1	1	1	1	1
MARIN	2	2	2	2	2	2
MARIPOSA	0	0	0	0	0	0
MENDOCINO	3	3	3	3	3	3
MERCED	1	1	1	1	1	1
MODOC	0	0	0	0	0	0
MONO	3	3	3	3	3	3
MONTEREY	3	3	3	3	3	3
NAPA	1	1	1	1	1	1
NEVADA	0	0	0	0	0	0
ORANGE	9	9	9	9	9	8
PLACER	2	2	2	2	2	2
PLUMAS	1	1	1	1	1	1
RIVERSIDE	3	3	3	3	3	3
SACRAMENTO	7	7	7	7	7	7
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	5	5	5	5	5	5
SAN DIEGO	11	11	11	11	11	11
SAN FRANCISCO	2	2	2	2	2	2
SAN JOAQUIN	3	3	3	3	3	3
SAN LUIS OBISPO	3	3	3	3	3	2
SAN MATEO	2	2	2	2	2	2
SANTA BARBARA	4	4	4	4	4	4
SANTA CLARA	2	2	2	2	2	2
SANTA CRUZ	2	2	2	2	2	2
SHASTA	7	7	7	7	7	7
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	2	2	2	2	2	2
SONOMA	2	2	2	2	2	2
STANISLAUS	1	1	1	1	1	1
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	1	1	1	1	1	1
TULARE	1	1	1	1	1	1
TUOLUMNE	1	1	1	1	1	1
VENTURA	3	3	3	3	3	3
YOLO	1	1	1	1	1	1
YUBA	1	1	1	1	1	1

**Table 12- Commercial Boats,
Diesel (DMV Registrations)**

	2012	2013	2014	2015	2016	2017
CALIFORNIA	127	126	126	125	125	124
ALAMEDA	6	6	6	6	6	6
ALPINE	0	0	0	0	0	0
AMADOR	1	1	1	1	1	1
BUTTE	1	1	1	1	1	1
CALAVERAS	1	1	1	1	1	1
COLUSA	0	0	0	0	0	0
CONTRA COSTA	4	4	4	4	4	4
DEL NORTE	1	1	1	1	1	1
EL DORADO	2	2	2	2	2	2
FRESNO	2	2	2	2	2	2
GLENN	0	0	0	0	0	0
HUMBOLDT	3	3	3	3	3	3
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	1	1	1	1	1	1
KINGS	0	0	0	0	0	0
LAKE	3	3	3	3	3	3
LASSEN	1	1	1	1	1	1
LOS ANGELES	13	13	13	13	13	13
MADERA	1	1	1	1	1	1
MARIN	2	2	2	2	2	2
MARIPOSA	0	0	0	0	0	0
MENDOCINO	3	3	3	3	3	3
MERCED	1	1	1	1	1	1
MODOC	0	0	0	0	0	0
MONO	3	3	3	3	3	3
MONTEREY	3	3	3	3	3	3
NAPA	1	1	1	1	1	1
NEVADA	0	0	0	0	0	0
ORANGE	8	8	8	8	8	8
PLACER	2	2	2	2	2	2
PLUMAS	1	1	1	1	1	1
RIVERSIDE	3	3	3	3	3	3
SACRAMENTO	7	7	7	7	7	7
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	5	5	5	5	5	5
SAN DIEGO	11	11	11	10	10	10
SAN FRANCISCO	2	2	2	2	2	2
SAN JOAQUIN	3	3	3	3	3	3
SAN LUIS OBISPO	2	2	2	2	2	2
SAN MATEO	2	2	2	2	2	2
SANTA BARBARA	4	4	4	4	4	4
SANTA CLARA	2	2	2	2	2	2
SANTA CRUZ	2	2	2	2	2	2
SHASTA	7	7	7	7	7	7
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	2	2	2	2	2	2
SONOMA	2	2	2	2	2	2
STANISLAUS	1	1	1	1	1	1
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	1	1	1	1	1	1
TULARE	1	1	1	1	1	1
TUOLUMNE	1	1	1	1	1	1
VENTURA	3	3	3	2	2	2
YOLO	1	1	1	1	1	1
YUBA	1	1	1	1	1	1

Table 12- Commercial Boats,
Diesel (DMV Registrations)

	2018	2019	2020
CALIFORNIA	123	123	122
ALAMEDA	6	6	6
ALPINE	0	0	0
AMADOR	1	1	1
BUTTE	1	1	1
CALAVERAS	1	1	1
COLUSA	0	0	0
CONTRA COSTA	4	4	4
DEL NORTE	1	1	1
EL DORADO	2	2	2
FRESNO	2	2	2
GLENN	0	0	0
HUMBOLDT	3	3	3
IMPERIAL	0	0	0
INYO	0	0	0
KERN	1	1	1
KINGS	0	0	0
LAKE	3	3	3
LASSEN	1	1	1
LOS ANGELES	13	12	12
MADERA	1	1	1
MARIN	2	2	2
MARIPOSA	0	0	0
MENDOCINO	3	3	2
MERCED	1	1	1
MODOC	0	0	0
MONO	3	3	3
MONTEREY	3	3	3
NAPA	1	1	1
NEVADA	0	0	0
ORANGE	8	8	8
PLACER	2	2	2
PLUMAS	1	1	1
RIVERSIDE	3	3	3
SACRAMENTO	7	7	7
SAN BENITO	0	0	0
SAN BERNARDINO	5	5	5
SAN DIEGO	10	10	10
SAN FRANCISCO	2	2	2
SAN JOAQUIN	3	3	3
SAN LUIS OBISPO	2	2	2
SAN MATEO	2	2	2
SANTA BARBARA	4	4	4
SANTA CLARA	2	2	2
SANTA CRUZ	2	2	2
SHASTA	7	7	7
SIERRA	0	0	0
SISKIYOU	0	0	0
SOLANO	2	1	1
SONOMA	2	2	2
STANISLAUS	1	1	1
SUTTER	0	0	0
TEHAMA	0	0	0
TRINITY	1	1	1
TULARE	1	1	1
TUOLUMNE	1	1	1
VENTURA	2	2	2
YOLO	1	1	1
YUBA	1	1	1

Table 13 - Commercial
Boats, Offshore Oil
Production (barrels per
year)

	1970	1971	1972	1973	1974	1975
CALIFORNIA	114117735	101724120	95590774	89260931	83918321	79670884
ALAMEDA	0	0	0	0	0	0
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	0	0	0	0	0	0
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	0	0	0	0	0	0
DEL NORTE	0	0	0	0	0	0
EL DORADO	0	0	0	0	0	0
FRESNO	0	0	0	0	0	0
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	0	0	0	0	0	0
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	58054982	51365920	49761998	48075953	46300557	44680688
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	0	0	0	0	0	0
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	0	0	0	0	0	0
NAPA	0	0	0	0	0	0
NEVADA	0	0	0	0	0	0
ORANGE	15340902	14559371	18973118	18386347	17134270	16000691
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	0	0	0	0	0	0
SACRAMENTO	0	0	0	0	0	0
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	0	0	0	0	0	0
SAN FRANCISCO	0	0	0	0	0	0
SAN JOAQUIN	0	0	0	0	0	0
SAN LUIS OBISPO	0	0	0	0	0	0
SAN MATEO	0	0	0	0	0	0
SANTA BARBARA	40042433	34998360	26092031	22114078	19884224	18504245
SANTA CLARA	0	0	0	0	0	0
SANTA CRUZ	0	0	0	0	0	0
SHASTA	0	0	0	0	0	0
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	0	0	0	0	0	0
STANISLAUS	0	0	0	0	0	0
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	679418	800469	763627	684553	599270	485260
YOLO	0	0	0	0	0	0
YUBA	0	0	0	0	0	0

**Table 13 - Commercial
Boats, Offshore Oil
Production (barrels per
year)**

	1976	1977	1978	1979	1980	1981
CALIFORNIA	70615279	60496897	55504288	53173580	50096486	58769710
ALAMEDA	0	0	0	0	0	0
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	0	0	0	0	0	0
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	0	0	0	0	0	0
DEL NORTE	0	0	0	0	0	0
EL DORADO	0	0	0	0	0	0
FRESNO	0	0	0	0	0	0
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	0	0	0	0	0	0
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	39229838	33451941	30723114	27881429	26687684	26858620
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	0	0	0	0	0	0
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	0	0	0	0	0	0
NAPA	0	0	0	0	0	0
NEVADA	0	0	0	0	0	0
ORANGE	14105396	11850988	10242173	10007652	9439668	9232549
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	0	0	0	0	0	0
SACRAMENTO	0	0	0	0	0	0
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	0	0	0	0	0	0
SAN FRANCISCO	0	0	0	0	0	0
SAN JOAQUIN	0	0	0	0	0	0
SAN LUIS OBISPO	0	0	0	0	0	0
SAN MATEO	0	0	0	0	0	0
SANTA BARBARA	16788300	14743679	14239736	14886889	13470732	21760784
SANTA CLARA	0	0	0	0	0	0
SANTA CRUZ	0	0	0	0	0	0
SHASTA	0	0	0	0	0	0
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	0	0	0	0	0	0
STANISLAUS	0	0	0	0	0	0
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	491745	450289	299265	397610	498402	917757
YOLO	0	0	0	0	0	0
YUBA	0	0	0	0	0	0

Table 13 - Commercial
Boats, Offshore Oil
Production (barrels per
year)

	1982	1983	1984	1985	1986	1987
CALIFORNIA	68250781	68230072	68705458	69180844	63469997	61451287
ALAMEDA	0	0	0	0	0	0
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	0	0	0	0	0	0
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	0	0	0	0	0	0
DEL NORTE	0	0	0	0	0	0
EL DORADO	0	0	0	0	0	0
FRESNO	0	0	0	0	0	0
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	0	0	0	0	0	0
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	28333035	29203790	31856573	34509356	31802812	28316552
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	0	0	0	0	0	0
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	0	0	0	0	0	0
NAPA	0	0	0	0	0	0
NEVADA	0	0	0	0	0	0
ORANGE	9712864	7890816	7177563	6464309	5475421	4436912
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	0	0	0	0	0	0
SACRAMENTO	0	0	0	0	0	0
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	0	0	0	0	0	0
SAN FRANCISCO	0	0	0	0	0	0
SAN JOAQUIN	0	0	0	0	0	0
SAN LUIS OBISPO	0	0	0	0	0	0
SAN MATEO	0	0	0	0	0	0
SANTA BARBARA	27673562	26234572	25321123	24407673	22327296	25015704
SANTA CLARA	0	0	0	0	0	0
SANTA CRUZ	0	0	0	0	0	0
SHASTA	0	0	0	0	0	0
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	176	217	214	210	194	165
SONOMA	0	0	0	0	0	0
STANISLAUS	0	0	0	0	0	0
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	2531144	4900677	4349987	3799296	3864274	3681954
YOLO	0	0	0	0	0	0
YUBA	0	0	0	0	0	0

**Table 13 - Commercial
Boats, Offshore Oil
Production (barrels per
year)**

	1988	1989	1990	1991	1992	1993
CALIFORNIA	59707144	58479787	53445463	54859983	64648647	57859240
ALAMEDA	0	0	0	0	0	0
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	0	0	0	0	0	0
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	0	0	0	0	0	0
DEL NORTE	0	0	0	0	0	0
EL DORADO	0	0	0	0	0	0
FRESNO	0	0	0	0	0	0
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	0	0	0	0	0	0
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	26093749	24152363	22833831	21638075	20901942	18706818
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	0	0	0	0	0	0
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	0	0	0	0	0	0
NAPA	0	0	0	0	0	0
NEVADA	0	0	0	0	0	0
ORANGE	3945110	3526848	2699855	3063014	2958048	2647394
FLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	0	0	0	0	0	0
SACRAMENTO	0	0	0	0	0	0
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	0	0	0	0	0	0
SAN FRANCISCO	0	0	0	0	0	0
SAN JOAQUIN	0	0	0	0	0	0
SAN LUIS OBISPO	0	0	0	0	0	0
SAN MATEO	0	0	0	0	0	0
SANTA BARBARA	26222175	25263324	21954210	25309849	36485296	32653607
SANTA CLARA	0	0	0	0	0	0
SANTA CRUZ	0	0	0	0	0	0
SHASTA	0	0	0	0	0	0
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	266	0	0	0	0	0
SONOMA	0	0	0	0	0	0
STANISLAUS	0	0	0	0	0	0
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLOMNE	0	0	0	0	0	0
VENTURA	3445844	5537252	5957567	4849045	4303361	3851422
YOLO	0	0	0	0	0	0
YUBA	0	0	0	0	0	0

**Table 13 - Commercial
Boats, Offshore Oil
Production (barrels per
year)**

	1994	1995	1996	1997	1998	1999
CALIFORNIA	55199620	50740320	44455300	40696140	35410500	31586720
ALAMEDA	0	0	0	0	0	0
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	0	0	0	0	0	0
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	0	0	0	0	0	0
DEL NORTE	0	0	0	0	0	0
EL DORADO	0	0	0	0	0	0
FRESNO	0	0	0	0	0	0
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	0	0	0	0	0	0
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	17846920	16405157	14373110	13157713	11448781	10212492
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	0	0	0	0	0	0
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	0	0	0	0	0	0
NAPA	0	0	0	0	0	0
NEVADA	0	0	0	0	0	0
ORANGE	2525701	2321662	2034086	1862083	1620234	1445274
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	0	0	0	0	0	0
SACRAMENTO	0	0	0	0	0	0
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	0	0	0	0	0	0
SAN FRANCISCO	0	0	0	0	0	0
SAN JOAQUIN	0	0	0	0	0	0
SAN LUIS OBISPO	0	0	0	0	0	0
SAN MATEO	0	0	0	0	0	0
SANTA BARBARA	31152616	28635953	25088921	22967390	19984371	17826372
SANTA CLARA	0	0	0	0	0	0
SANTA CRUZ	0	0	0	0	0	0
SHASTA	0	0	0	0	0	0
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	0	0	0	0	0	0
STANISLAUS	0	0	0	0	0	0
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	3674383	3377548	2959183	2708954	2357113	2102582
YOLO	0	0	0	0	0	0
YUBA	0	0	0	0	0	0

**Table 13 - Commercial
Boats, Offshore Oil
Production (barrels per
year)**

	2000	2001	2002	2003	2004	2005
CALIFORNIA	26595040	23000000	23000000	23000000	23000000	23000000
ALAMEDA	0	0	0	0	0	0
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	0	0	0	0	0	0
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	0	0	0	0	0	0
DEL NORTE	0	0	0	0	0	0
EL DORADO	0	0	0	0	0	0
FRESNO	0	0	0	0	0	0
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	0	0	0	0	0	0
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	8598602	7436268	7436268	7436268	7436268	7436268
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	0	0	0	0	0	0
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	0	0	0	0	0	0
NAPA	0	0	0	0	0	0
NEVADA	0	0	0	0	0	0
ORANGE	1216876	1052382	1052382	1052382	1052382	1052382
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	0	0	0	0	0	0
SACRAMENTO	0	0	0	0	0	0
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	0	0	0	0	0	0
SAN FRANCISCO	0	0	0	0	0	0
SAN JOAQUIN	0	0	0	0	0	0
SAN LUIS OBISPO	0	0	0	0	0	0
SAN MATEO	0	0	0	0	0	0
SANTA BARBARA	15009253	12980346	12980346	12980346	12980346	12980346
SANTA CLARA	0	0	0	0	0	0
SANTA CRUZ	0	0	0	0	0	0
SHASTA	0	0	0	0	0	0
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	0	0	0	0	0	0
STANISLAUS	0	0	0	0	0	0
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLOMNE	0	0	0	0	0	0
VENTURA	1770309	1531003	1531003	1531003	1531003	1531003
YOLO	0	0	0	0	0	0
YUBA	0	0	0	0	0	0

**Table 13 - Commercial
Boats, Offshore Oil
Production (barrels per
year)**

	2006	2007	2008	2009	2010	2011
CALIFORNIA	20000000	20000000	20000000	20000000	20000000	17000000
ALAMEDA	0	0	0	0	0	0
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	0	0	0	0	0	0
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	0	0	0	0	0	0
DEL NORTE	0	0	0	0	0	0
EL DORADO	0	0	0	0	0	0
FRESNO	0	0	0	0	0	0
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	0	0	0	0	0	0
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	6466320	6466320	6466320	6466320	6466320	5496372
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	0	0	0	0	0	0
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	0	0	0	0	0	0
NAPA	0	0	0	0	0	0
NEVADA	0	0	0	0	0	0
ORANGE	915115	915115	915115	915115	915115	777848
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	0	0	0	0	0	0
SACRAMENTO	0	0	0	0	0	0
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	0	0	0	0	0	0
SAN FRANCISCO	0	0	0	0	0	0
SAN JOAQUIN	0	0	0	0	0	0
SAN LUIS OBISPO	0	0	0	0	0	0
SAN MATEO	0	0	0	0	0	0
SANTA BARBARA	11287257	11287257	11287257	11287257	11287257	9594169
SANTA CLARA	0	0	0	0	0	0
SANTA CRUZ	0	0	0	0	0	0
SHASTA	0	0	0	0	0	0
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	0	0	0	0	0	0
STANISLAUS	0	0	0	0	0	0
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLOMNE	0	0	0	0	0	0
VENTURA	1331307	1331307	1331307	1331307	1331307	1131611
YOLO	0	0	0	0	0	0
YUBA	0	0	0	0	0	0

**Table 13 - Commercial
Boats, Offshore Oil
Production (barrels per
year)**

	2012	2013	2014	2015	2016	2017
CALIFORNIA	17000000	17000000	17000000	17000000	14000000	14000000
ALAMEDA	0	0	0	0	0	0
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	0	0	0	0	0	0
CALAVERAS	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0
CONTRA COSTA	0	0	0	0	0	0
DEL NORTE	0	0	0	0	0	0
EL DORADO	0	0	0	0	0	0
FRESNO	0	0	0	0	0	0
GLENN	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	0	0	0	0	0	0
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	5496372	5496372	5496372	5496372	4526424	4526424
MADERA	0	0	0	0	0	0
MARIN	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0
MERCED	0	0	0	0	0	0
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTIEREY	0	0	0	0	0	0
NAPA	0	0	0	0	0	0
NEVADA	0	0	0	0	0	0
ORANGE	777848	777848	777848	777848	640581	640581
PLACER	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0
RIVERSIDE	0	0	0	0	0	0
SACRAMENTO	0	0	0	0	0	0
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0
SAN DIEGO	0	0	0	0	0	0
SAN FRANCISCO	0	0	0	0	0	0
SAN JOAQUIN	0	0	0	0	0	0
SAN LUIS OBISPO	0	0	0	0	0	0
SAN MATEO	0	0	0	0	0	0
SANTA BARBARA	9594169	9594169	9594169	9594169	7901080	7901080
SANTA CLARA	0	0	0	0	0	0
SANTA CRUZ	0	0	0	0	0	0
SHASTA	0	0	0	0	0	0
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0
SONOMA	0	0	0	0	0	0
STANISLAUS	0	0	0	0	0	0
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0
TULARE	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0
VENTURA	1131611	1131611	1131611	1131611	931915	931915
YOLO	0	0	0	0	0	0
YUBA	0	0	0	0	0	0

**Table 13 - Commercial
Boats, Offshore Oil
Production (barrels per
year)**

	2018	2019	2020
CALIFORNIA	14000000	14000000	14000000
ALAMEDA	0	0	0
ALPINE	0	0	0
AMADOR	0	0	0
BUTTE	0	0	0
CALAVERAS	0	0	0
COLUSA	0	0	0
CONTRA COSTA	0	0	0
DEL NORTE	0	0	0
EL DORADO	0	0	0
FRESNO	0	0	0
GLENN	0	0	0
HUMBOLDT	0	0	0
IMPERIAL	0	0	0
INYO	0	0	0
KERN	0	0	0
KINGS	0	0	0
LAKE	0	0	0
LASSEN	0	0	0
LOS ANGELES	4526424	4526424	4526424
MADERA	0	0	0
MARIN	0	0	0
MARIPOSA	0	0	0
MENDOCINO	0	0	0
MERCED	0	0	0
MODOC	0	0	0
MONO	0	0	0
MONTEREY	0	0	0
NAPA	0	0	0
NEVADA	0	0	0
ORANGE	640581	640581	640581
PLACER	0	0	0
PLUMAS	0	0	0
RIVERSIDE	0	0	0
SACRAMENTO	0	0	0
SAN BENITO	0	0	0
SAN BERNARDINO	0	0	0
SAN DIEGO	0	0	0
SAN FRANCISCO	0	0	0
SAN JOAQUIN	0	0	0
SAN LUIS OBISPO	0	0	0
SAN MATEO	0	0	0
SANTA BARBARA	7901080	7901080	7901080
SANTA CLARA	0	0	0
SANTA CRUZ	0	0	0
SHASTA	0	0	0
SIERRA	0	0	0
SISKIYOU	0	0	0
SOLANO	0	0	0
SONOMA	0	0	0
STANISLAUS	0	0	0
SUTTER	0	0	0
TEHAMA	0	0	0
TRINITY	0	0	0
TULARE	0	0	0
TUOLOMNE	0	0	0
VENTURA	931915	931915	931915
YOLO	0	0	0
YUBA	0	0	0

**Table 14 - Recreational
Vehicle,
ATV/Snowmobiles
(DMV registrations)**

	1970	1971	1972	1973	1974	1975
CALIFORNIA	84505	85703	103366	117623	120543	123675
ALAMEDA	2494	2529	3050	3471	3557	3650
ALPINE	18	18	22	25	26	26
AMADOR	68	69	83	95	97	100
BUTTE	415	420	507	577	591	607
CALAVERAS	34	34	41	47	48	49
COLUSA	59	60	72	82	84	86
CONTRA COSTA	1632	1655	1997	2272	2328	2389
DEL NORTE	50	51	62	70	72	74
EL DORADO	422	428	517	588	603	618
FRESNO	1706	1730	2086	2374	2433	2496
GLENN	69	70	84	96	98	101
HUMBOLDT	388	393	475	540	553	568
IMPERIAL	588	597	720	819	839	861
INYO	159	161	194	221	226	232
KERN	1886	1913	2307	2625	2690	2760
KINGS	335	340	410	466	478	490
LAKE	79	80	97	110	113	116
LASSEN	249	252	304	346	355	364
LOS ANGELES	27333	27720	33434	38045	38990	40002
MADERA	160	162	196	223	229	234
MARIN	333	338	408	464	476	488
MARIPOSA	9	9	11	12	12	13
MENDOCINO	134	136	163	186	191	196
MERCED	220	223	269	306	314	322
MODOC	19	19	23	26	27	27
MONO	159	161	194	221	226	232
MONTEREY	555	563	679	773	792	813
NAPA	332	337	406	462	473	486
NEVADA	152	154	186	212	217	223
ORANGE	11733	11900	14352	16332	16737	17172
PLACER	465	471	569	647	663	680
PLUMAS	234	238	286	326	334	343
RIVERSIDE	2104	2133	2573	2928	3001	3079
SACRAMENTO	2752	2791	3367	3831	3926	4028
SEN BENITO	65	66	79	90	92	95
SAN BERNARDINO	3299	3346	4035	4592	4706	4828
SAN DIEGO	10210	10355	12489	14212	14565	14943
SAN FRANCISCO	297	301	363	413	423	434
SAN JOAQUIN	586	595	717	816	836	858
SAN LUIS OBSPO	400	406	489	557	571	586
SAN MATEO	1197	1214	1464	1666	1707	1752
SANTA BARBARA	800	812	979	1114	1142	1171
SANTA CLARA	3461	3511	4234	4818	4938	5066
SANTA CRUZ	361	366	441	502	514	528
SHASTA	414	420	506	576	590	606
SIERRA	45	46	55	63	65	66
SISKIYOU	256	259	313	356	365	374
SOLANO	498	505	609	693	710	729
SONOMA	596	604	729	829	850	872
STANISLAUS	806	818	986	1122	1150	1180
SUTTER	274	278	336	382	391	402
TEHAMA	67	68	82	93	95	98
TRINITY	31	31	38	43	44	45
TULARE	721	732	882	1004	1029	1056
TUOLUMNE	91	92	111	126	129	132
VENTURA	2154	2184	2635	2998	3072	3152
YOLO	353	358	432	492	504	517
YUBA	178	181	218	248	254	261

**Table 14 - Recreational
Vehicle,
ATV/Snowmobiles
(DMV registrations)**

	1976	1977	1978	1979	1980	1981
CALIFORNIA	142512	197678	178414	273755	178368	201030
ALAMEDA	4205	5943	5207	7061	4993	5352
ALPINE	30	39	20	51	19	30
AMADOR	115	254	291	428	306	277
BUTTE	699	1634	1542	2573	1759	1988
CALAVERAS	57	204	200	353	250	280
COLUSA	99	173	179	316	240	283
CONTRA COSTA	2753	4520	3992	5969	3667	4004
DEL NORTE	85	247	221	355	182	195
EL DORADO	712	1047	1042	1698	1092	1149
FRESNO	2876	4493	4167	7371	5073	6005
GLENN	116	351	340	480	374	431
HUMBOLDT	654	1453	1304	2098	1137	1325
IMPERIAL	992	958	843	1803	1128	1462
INYO	268	319	280	454	261	266
KERN	3180	5467	5367	9048	6117	8011
KINGS	565	1072	1077	1815	1287	1633
LAKE	133	277	261	444	270	295
LASSEN	419	631	586	1120	652	674
LOS ANGELES	46095	54876	46014	67698	42090	46997
MADERA	270	484	467	911	648	843
MARIN	562	923	806	1310	657	668
MARIPOSA	15	53	54	88	80	80
MENDOCINO	225	493	551	842	532	574
MERCED	371	920	931	1385	1083	1195
MODOC	32	63	51	100	50	49
MONO	268	273	233	431	225	235
MONTEREY	937	1627	1557	2578	1376	1481
NAPA	560	1010	837	1199	795	832
NEVADA	257	605	620	1080	694	746
ORANGE	19788	25234	21436	31592	19446	21090
PLACER	784	1483	1515	2216	1737	1771
PLUMAS	395	505	463	866	502	506
RIVERSIDE	3548	5511	5390	9500	6239	7387
SACRAMENTO	4642	5863	5341	7399	4847	5129
SEN BENITO	109	354	334	433	278	279
SAN BERNARDINO	5564	8839	8797	14292	10296	12332
SAN DIEGO	17219	20109	19332	31052	20103	23709
SAN FRANCISCO	500	625	568	1033	470	491
SAN JOAQUIN	989	2186	2090	3436	2186	2385
SAN LUIS OBSPO	675	1198	1138	1775	1222	1520
SAN MATEO	2019	3127	2937	4049	2721	2818
SANTA BARBARA	1350	1870	1579	2820	1670	1989
SANTA CLARA	5837	9675	8792	11676	8346	8756
SANTA CRUZ	608	1242	1242	1728	1125	1258
SHASTA	698	1615	1593	2561	1707	1678
SIERRA	76	101	95	136	74	79
SISKIYOU	431	546	494	863	501	558
SOLANO	840	1520	1398	2103	1438	1588
SONOMA	1004	1983	1949	2778	1897	1947
STANISLAUS	1359	2231	2194	3461	2406	2606
SUTTER	463	748	732	1234	829	938
TEHAMA	113	357	356	595	413	428
TRINITY	52	174	178	243	143	142
TULARE	1216	2735	2656	4640	3694	4406
TUOLUMNE	153	371	362	551	341	352
VENTURA	3632	5647	5136	7626	5468	6187
YOLO	596	912	793	1221	685	759
YUBA	300	508	484	817	547	582

Table 14 - Recreational
Vehicle,
ATV/Snowmobiles
(DMV registrations)

	1982	1983	1984	1985	1986	1987
CALIFORNIA	213108	241602	266756	303846	317884	319471
ALAMEDA	5506	6285	7575	8614	8131	8097
ALPINE	33	33	22	25	30	37
AMADOR	256	307	375	433	444	468
BUTTE	2051	2277	2522	2812	2780	2831
CALAVERAS	279	332	388	436	473	506
COLUSA	343	393	465	518	539	472
CONTRA COSTA	4129	4507	4874	5831	6106	6142
DEL NORTE	186	178	183	227	232	207
EL DORADO	1103	1261	1465	1683	1737	1861
FRESNO	5927	6218	6484	6699	6649	6481
GLENN	510	619	647	720	710	733
HUMBOLDT	1531	1870	2098	2149	2259	2297
IMPERIAL	1699	1986	2165	2252	2149	1902
INYO	254	310	330	352	364	382
KERN	8772	8615	8802	9113	8793	8028
KINGS	1672	1580	1587	1536	1438	1334
LAKE	315	409	499	586	635	667
LASSEN	597	682	684	686	587	585
LOS ANGELES	49623	56865	62396	71538	75021	75571
MADERA	864	970	1031	1218	1237	1174
MARIN	675	776	843	953	1010	1003
MARIPOSA	80	88	108	132	172	209
MENDOCINO	633	837	1061	1270	1318	1298
MERCED	1273	1425	1469	1608	1645	1673
MODOC	42	50	72	90	94	104
MONO	185	215	213	222	217	228
MONTEREY	1515	1802	2004	2301	2485	2476
NAPA	887	946	1107	1341	1450	1483
NEVADA	694	805	1044	1269	1299	1301
ORANGE	22024	25380	27526	31734	33934	34096
PLACER	1677	1870	2180	2534	2633	2706
PLUMAS	472	500	483	527	581	673
RIVERSIDE	8814	10955	13320	15753	17030	17987
SACRAMENTO	5209	5694	6308	7551	7703	7857
SEN BENITO	279	360	411	453	547	587
SAN BERNARDINO	14166	17138	19917	22988	24846	25575
SAN DIEGO	26435	29827	32327	37258	39903	39221
SAN FRANCISCO	555	672	708	760	740	729
SAN JOAQUIN	2442	2872	3544	4236	4392	4569
SAN LUIS OBSPO	1577	1742	2113	2416	2453	2472
SAN MATEO	2795	3124	3258	3573	3689	3718
SANTA BARBARA	2152	2283	2458	2801	2960	2966
SANTA CLARA	8867	9940	10486	11964	12359	12224
SANTA CRUZ	1320	1445	1585	1756	1877	1911
SHASTA	1660	2043	2417	2799	2942	3113
SIERRA	64	64	68	84	76	73
SISKIYOU	512	546	505	530	513	507
SOLANO	1640	1870	2010	2328	2491	2584
SONOMA	2000	2446	2858	3312	3509	3621
STANISLAUS	2588	2946	3425	4151	4572	4802
SUTTER	969	991	1079	1225	1245	1236
TEHAMA	443	584	754	882	879	881
TRINITY	140	156	212	211	218	252
TULARE	4537	4551	4536	4637	4652	4422
TUOLUMNE	373	421	523	590	585	573
VENTURA	6496	7109	7647	8355	8584	8591
YOLO	708	807	886	1000	1131	1131
YUBA	560	625	699	824	836	844

**Table 14 - Recreational
Vehicle,
ATV/Snowmobiles
(DMV registrations)**

	1988	1989	1990	1991	1992	1993
CALIFORNIA	309439	305050	304393	313010	313687	294378
ALAMEDA	7737	7516	7408	7747	7590	7139
ALPINE	38	44	63	77	96	106
AMADOR	515	568	588	641	712	711
BUTTE	2713	2785	2857	3103	3296	3290
CALAVERAS	565	648	688	818	907	861
COLUSA	434	439	469	496	474	473
CONTRA COSTA	5999	5930	6026	6342	6396	6044
DEL NORTE	193	178	177	177	190	193
EL DORADO	1937	2186	2546	2865	3090	3102
FRESNO	6240	6241	6343	6774	7093	6880
GLENN	729	738	780	863	917	889
HUMBOLDT	2133	2148	2119	2287	2496	2461
IMPERIAL	1849	1813	1906	1979	2075	2054
INYO	380	404	436	474	512	516
KERN	7417	7044	7138	7446	7680	7424
KINGS	1321	1299	1294	1379	1384	1288
LAKE	660	679	731	798	844	834
LASSEN	635	651	654	703	752	772
LOS ANGELES	72510	69602	67257	66882	64734	58982
MADERA	1116	1161	1262	1417	1506	1486
MARIN	976	959	955	972	1005	958
MARIPOSA	222	220	235	277	280	275
MENDOCINO	1295	1285	1341	1465	1537	1505
MERCED	1605	1674	1738	1813	1912	1838
MODOC	106	116	113	120	159	165
MONO	244	324	395	485	564	574
MONTEREY	2361	2343	2393	2521	2718	2624
NAPA	1456	1421	1461	1553	1573	1534
NEVADA	1242	1347	1457	1732	1852	1832
ORANGE	32642	31181	30258	29966	29128	26656
PLACER	2712	2905	3086	3532	3793	3805
PLUMAS	718	835	979	1164	1310	1392
RIVERSIDE	18211	18668	19167	19814	20063	18861
SACRAMENTO	7585	7667	7925	8534	8752	8396
SEN BENITO	606	642	699	715	765	738
SAN BERNARDINO	25897	25614	25592	26085	25706	23759
SAN DIEGO	36494	35111	34385	34079	33468	30643
SAN FRANCISCO	698	713	709	701	692	638
SAN JOAQUIN	4439	4414	4462	4855	4976	4788
SAN LUIS OBSPO	2389	2589	2660	2759	2730	2553
SAN MATEO	3688	3619	3587	3709	3820	3670
SANTA BARBARA	2822	2910	2976	3146	3179	3018
SANTA CLARA	11796	11562	11460	11750	11725	11022
SANTA CRUZ	1937	1992	2064	2153	2305	2204
SHASTA	3144	3172	3306	3605	3763	3718
SIERRA	76	104	120	154	189	190
SISKIYOU	485	529	569	630	707	716
SOLANO	2587	2690	2765	2939	3030	2965
SONOMA	3600	3759	3859	4123	4361	4301
STANISLAUS	4844	5136	5291	5605	5716	5443
SUTTER	1203	1167	1189	1307	1379	1320
TEHAMA	919	938	963	1049	1080	1085
TRINITY	268	258	253	281	304	313
TULARE	4205	4081	4014	4285	4426	4127
TUOLUMNE	640	755	812	882	960	955
VENTURA	8339	8377	8436	8847	8836	8185
YOLO	1078	1083	1126	1207	1216	1162
YUBA	789	816	851	928	964	945

**Table 14 - Recreational
Vehicle,
ATV/Snowmobiles
(DMV registrations)**

	1994	1995	1996	1997	1998	1999
CALIFORNIA	299419	302797	309384	315989	322664	329345
ALAMEDA	7261	7343	7503	7663	7825	7987
ALPINE	108	109	111	114	116	119
AMADOR	723	731	747	763	779	795
BUTTE	3346	3384	3458	3532	3606	3681
CALAVERAS	876	886	905	924	944	963
COLUSA	481	487	497	508	518	529
CONTRA COSTA	6147	6217	6352	6488	6625	6762
DEL NORTE	196	199	203	207	212	216
EL DORADO	3155	3191	3260	3330	3400	3470
FRESNO	6998	7077	7231	7385	7541	7697
GLENN	904	914	934	954	974	995
HUMBOLDT	2503	2531	2586	2642	2697	2753
IMPERIAL	2089	2113	2159	2205	2251	2298
INYO	525	531	542	554	566	577
KERN	7551	7636	7802	7969	8137	8306
KINGS	1310	1325	1354	1383	1412	1441
LAKE	848	858	877	895	914	933
LASSEN	785	794	811	829	846	864
LOS ANGELES	59992	60669	61989	63312	64649	65988
MADERA	1511	1528	1562	1595	1629	1663
MARIN	974	985	1007	1028	1050	1072
MARIPOSA	280	283	289	295	301	308
MENDOCINO	1531	1548	1582	1615	1650	1684
MERCED	1869	1891	1932	1973	2015	2056
MODOC	168	170	173	177	181	185
MONO	584	590	603	616	629	642
MONTEREY	2669	2699	2758	2817	2876	2936
NAPA	1560	1578	1612	1647	1681	1716
NEVADA	1863	1884	1925	1966	2008	2050
ORANGE	27112	27418	28015	28613	29217	29822
PLACER	3870	3914	3999	4084	4171	4257
PLUMAS	1416	1432	1463	1494	1526	1557
RIVERSIDE	19184	19400	19822	20246	20673	21101
SACRAMENTO	8540	8636	8824	9012	9203	9393
SEN BENITO	751	759	776	792	809	826
SAN BERNARDINO	24166	24438	24970	25503	26042	26581
SAN DIEGO	31168	31519	32205	32893	33587	34283
SAN FRANCISCO	649	656	671	685	699	714
SAN JOAQUIN	4870	4925	5032	5139	5248	5357
SAN LUIS OBSPO	2597	2626	2683	2740	2798	2856
SAN MATEO	3733	3775	3857	3939	4023	4106
SANTA BARBARA	3070	3104	3172	3240	3308	3376
SANTA CLARA	11211	11337	11584	11831	12081	12331
SANTA CRUZ	2242	2267	2316	2366	2416	2466
SHASTA	3782	3824	3908	3991	4075	4160
SIERRA	193	195	200	204	208	213
SISKIYOU	728	736	752	769	785	801
SOLANO	3016	3050	3116	3183	3250	3317
SONOMA	4375	4424	4520	4617	4714	4812
STANISLAUS	5536	5599	5720	5843	5966	6090
SUTTER	1343	1358	1387	1417	1447	1477
TEHAMA	1104	1116	1140	1165	1189	1214
TRINITY	318	322	329	336	343	350
TULARE	4198	4245	4337	4430	4524	4617
TUOLUMNE	971	982	1004	1025	1047	1068
VENTURA	8325	8419	8602	8786	8971	9157
YOLO	1182	1195	1221	1247	1274	1300
YUBA	961	972	993	1014	1036	1057

**Table 14 - Recreational
Vehicle,
ATV/Snowmobiles
(DMV registrations)**

	2000	2001	2002	2003	2004	2005
CALIFORNIA	336010	342725	349520	356292	363149	370098
ALAMEDA	8149	8311	8476	8640	8807	8975
ALPINE	121	123	126	128	131	133
AMADOR	812	828	844	861	877	894
BUTTE	3755	3830	3906	3982	4059	4136
CALAVERAS	983	1002	1022	1042	1062	1082
COLUSA	540	551	562	572	583	595
CONTRA COSTA	6899	7037	7176	7315	7456	7599
DEL NORTE	220	225	229	234	238	243
EL DORADO	3541	3611	3683	3754	3827	3900
FRESNO	7853	8010	8169	8327	8487	8650
GLENN	1015	1035	1056	1076	1097	1118
HUMBOLDT	2809	2865	2922	2979	3036	3094
IMPERIAL	2344	2391	2439	2486	2534	2582
INYO	589	601	613	625	637	649
KERN	8474	8643	8815	8985	9158	9334
KINGS	1470	1500	1529	1559	1589	1619
LAKE	952	971	990	1009	1029	1049
LASSEN	881	899	917	934	952	971
LOS ANGELES	67324	68669	70030	71387	72761	74153
MADERA	1696	1730	1764	1799	1833	1868
MARIN	1093	1115	1137	1159	1182	1204
MARIPOSA	314	320	327	333	339	346
MENDOCINO	1718	1752	1787	1822	1857	1892
MERCED	2098	2140	2182	2225	2267	2311
MODOC	188	192	196	200	204	207
MONO	655	668	682	695	708	722
MONTEREY	2995	3055	3116	3176	3237	3299
NAPA	1751	1786	1821	1857	1892	1929
NEVADA	2091	2133	2175	2217	2260	2303
ORANGE	30426	31034	31649	32262	32883	33512
PLACER	4343	4430	4518	4605	4694	4784
PLUMAS	1589	1621	1653	1685	1717	1750
RIVERSIDE	21528	21959	22394	22828	23267	23712
SACRAMENTO	9583	9775	9969	10162	10357	10556
SEN BENITO	842	859	876	893	910	928
SAN BERNARDINO	27119	27661	28209	28756	29309	29870
SAN DIEGO	34977	35676	36383	37088	37802	38525
SAN FRANCISCO	728	743	758	772	787	802
SAN JOAQUIN	5465	5574	5685	5795	5907	6020
SAN LUIS OBSPO	2914	2972	3031	3090	3149	3210
SAN MATEO	4189	4273	4357	4442	4527	4614
SANTA BARBARA	3445	3514	3583	3653	3723	3794
SANTA CLARA	12581	12832	13087	13340	13597	13857
SANTA CRUZ	2516	2566	2617	2668	2719	2771
SHASTA	4244	4329	4414	4500	4587	4674
SIERRA	217	221	226	230	234	239
SISKIYOU	817	834	850	867	883	900
SOLANO	3384	3452	3520	3589	3658	3728
SONOMA	4909	5007	5107	5206	5306	5407
STANISLAUS	6213	6337	6463	6588	6715	6843
SUTTER	1507	1537	1567	1598	1628	1660
TEHAMA	1238	1263	1288	1313	1338	1364
TRINITY	357	364	372	379	386	394
TULARE	4711	4805	4900	4995	5091	5189
TUOLUMNE	1090	1112	1134	1156	1178	1201
VENTURA	9343	9529	9718	9906	10097	10290
YOLO	1326	1353	1380	1406	1433	1461
YUBA	1079	1100	1122	1144	1166	1188

**Table 14 - Recreational
Vehicle,
ATV/Snowmobiles
(DMV registrations)**

	2006	2007	2008	2009	2010	2011
CALIFORNIA	375700	381366	387110	392903	398778	404551
ALAMEDA	9111	9249	9388	9528	9671	9811
ALPINE	135	137	139	141	144	146
AMADOR	907	921	935	949	963	977
BUTTE	4199	4262	4326	4391	4457	4521
CALAVERAS	1099	1115	1132	1149	1166	1183
COLUSA	604	613	622	631	641	650
CONTRA COSTA	7714	7830	7948	8067	8187	8306
DEL NORTE	246	250	254	258	261	265
EL DORADO	3959	4019	4079	4140	4202	4263
FRESNO	8781	8913	9047	9183	9320	9455
GLENN	1135	1152	1169	1187	1204	1222
HUMBOLDT	3141	3188	3236	3285	3334	3382
IMPERIAL	2621	2661	2701	2741	2782	2823
INYO	659	668	679	689	699	709
KERN	9475	9618	9763	9909	10057	10202
KINGS	1644	1669	1694	1719	1745	1770
LAKE	1064	1080	1097	1113	1130	1146
LASSEN	985	1000	1015	1030	1046	1061
LOS ANGELES	75276	76411	77562	78723	79900	81056
MADERA	1897	1925	1954	1983	2013	2042
MARIN	1223	1241	1260	1279	1298	1317
MARIPOSA	351	356	362	367	373	378
MENDOCINO	1921	1950	1979	2009	2039	2068
MERCED	2346	2381	2417	2453	2490	2526
MODOC	211	214	217	220	224	227
MONO	733	744	755	766	778	789
MONTEREY	3349	3399	3451	3502	3555	3606
NAPA	1958	1987	2017	2047	2078	2108
NEVADA	2338	2373	2409	2445	2482	2518
ORANGE	34020	34533	35053	35578	36109	36632
PLACER	4856	4929	5004	5078	5154	5229
PLUMAS	1777	1803	1830	1858	1886	1913
RIVERSIDE	24071	24434	24802	25174	25550	25920
SACRAMENTO	10715	10877	11041	11206	11374	11538
SEN BENITO	942	956	970	985	1000	1014
SAN BERNARDINO	30322	30780	31243	31711	32185	32651
SAN DIEGO	39108	39698	40296	40899	41510	42111
SAN FRANCISCO	814	827	839	852	864	877
SAN JOAQUIN	6111	6203	6296	6390	6486	6580
SAN LUIS OBSPO	3258	3307	3357	3407	3458	3508
SAN MATEO	4684	4754	4826	4898	4972	5044
SANTA BARBARA	3852	3910	3969	4028	4088	4148
SANTA CLARA	14067	14279	14494	14711	14931	15147
SANTA CRUZ	2813	2855	2898	2942	2986	3029
SHASTA	4745	4817	4889	4962	5037	5109
SIERRA	242	246	250	254	257	261
SISKIYOU	914	928	942	956	970	984
SOLANO	3784	3841	3899	3957	4017	4075
SONOMA	5489	5572	5656	5741	5826	5911
STANISLAUS	6947	7051	7158	7265	7373	7480
SUTTER	1685	1710	1736	1762	1788	1814
TEHAMA	1385	1406	1427	1448	1470	1491
TRINITY	399	405	412	418	424	430
TULARE	5267	5347	5427	5508	5591	5672
TUOLUMNE	1219	1237	1256	1275	1294	1312
VENTURA	10446	10604	10763	10924	11088	11248
YOLO	1483	1505	1528	1551	1574	1597
YUBA	1206	1224	1243	1261	1280	1299

**Table 14 - Recreational
Vehicle,
ATV/Snowmobiles
(DMV registrations)**

	2012	2013	2014	2015	2016	2017
CALIFORNIA	410410	416361	422405	428545	434558	440651
ALAMEDA	9953	10097	10244	10393	10539	10686
ALPINE	148	150	152	154	156	159
AMADOR	991	1006	1020	1035	1050	1064
BUTTE	4587	4653	4721	4789	4857	4925
CALAVERAS	1200	1218	1235	1253	1271	1289
COLUSA	659	669	679	689	698	708
CONTRA COSTA	8426	8548	8673	8799	8922	9047
DEL NORTE	269	273	277	281	285	289
EL DORADO	4325	4387	4451	4516	4579	4643
FRESNO	9592	9731	9872	10016	10156	10299
GLENN	1239	1257	1276	1294	1312	1331
HUMBOLDT	3431	3481	3531	3583	3633	3684
IMPERIAL	2864	2905	2947	2990	3032	3075
INYO	719	730	740	751	762	772
KERN	10350	10500	10653	10808	10959	11113
KINGS	1796	1822	1848	1875	1901	1928
LAKE	1163	1180	1197	1214	1231	1248
LASSEN	1076	1092	1108	1124	1140	1156
LOS ANGELES	82230	83423	84634	85864	87069	88289
MADERA	2072	2102	2132	2163	2194	2224
MARIN	1336	1355	1375	1395	1414	1434
MARIPOSA	383	389	395	400	406	412
MENDOCINO	2098	2129	2160	2191	2222	2253
MERCED	2562	2600	2637	2676	2713	2751
MODOC	230	233	237	240	244	247
MONO	800	812	824	836	847	859
MONTEREY	3658	3711	3765	3820	3874	3928
NAPA	2139	2170	2201	2233	2264	2296
NEVADA	2554	2591	2629	2667	2704	2742
ORANGE	37163	37702	38249	38805	39349	39901
PLACER	5305	5382	5460	5539	5617	5696
PLUMAS	1941	1969	1997	2026	2055	2084
RIVERSIDE	26295	26677	27064	27457	27842	28233
SACRAMENTO	11705	11875	12047	12223	12394	12568
SEN BENITO	1029	1044	1059	1074	1089	1105
SAN BERNARDINO	33124	33604	34092	34588	35073	35565
SAN DIEGO	42721	43341	43970	44609	45235	45869
SAN FRANCISCO	889	902	915	929	942	955
SAN JOAQUIN	6675	6772	6870	6970	7068	7167
SAN LUIS OBSPO	3559	3611	3663	3717	3769	3822
SAN MATEO	5117	5191	5266	5343	5418	5494
SANTA BARBARA	4208	4269	4331	4393	4455	4518
SANTA CLARA	15366	15589	15816	16045	16271	16499
SANTA CRUZ	3073	3117	3163	3209	3254	3299
SHASTA	5183	5259	5335	5413	5488	5565
SIERRA	265	269	273	277	280	284
SISKIYOU	998	1013	1027	1042	1057	1072
SOLANO	4134	4194	4254	4316	4377	4438
SONOMA	5996	6083	6172	6261	6349	6438
STANISLAUS	7588	7698	7810	7924	8035	8148
SUTTER	1840	1867	1894	1922	1949	1976
TEHAMA	1513	1535	1557	1580	1602	1624
TRINITY	436	443	449	456	462	469
TULARE	5754	5837	5922	6008	6092	6178
TUOLUMNE	1331	1351	1370	1390	1410	1430
VENTURA	11411	11577	11745	11915	12083	12252
YOLO	1620	1644	1667	1692	1715	1739
YUBA	1317	1337	1356	1376	1395	1415

**Table 14 - Recreational
Vehicle,
ATV/Snowmobiles
(DMV registrations)**

	2018	2019	2020
CALIFORNIA	446823	453072	459399
ALAMEDA	10836	10988	11141
ALPINE	161	163	165
AMADOR	1079	1094	1110
BUTTE	4994	5064	5134
CALAVERAS	1307	1325	1344
COLUSA	718	728	738
CONTRA COSTA	9174	9302	9432
DEL NORTE	293	297	301
EL DORADO	4708	4774	4841
FRESNO	10443	10589	10737
GLENN	1349	1368	1387
HUMBOLDT	3735	3788	3841
IMPERIAL	3118	3161	3205
INYO	783	794	805
KERN	11269	11426	11586
KINGS	1955	1982	2010
LAKE	1266	1284	1302
LASSEN	1172	1188	1205
LOS ANGELES	89526	90778	92046
MADERA	2256	2287	2319
MARIN	1454	1474	1495
MARIPOSA	417	423	429
MENDOCINO	2284	2316	2349
MERCED	2790	2829	2868
MODOC	250	254	257
MONO	871	883	896
MONTEREY	3983	4039	4095
NAPA	2328	2361	2394
NEVADA	2781	2820	2859
ORANGE	40460	41026	41599
PLACER	5775	5856	5938
PLUMAS	2113	2142	2172
RIVERSIDE	28628	29029	29434
SACRAMENTO	12744	12922	13103
SEN BENITO	1120	1136	1152
SAN BERNARDINO	36063	36567	37078
SAN DIEGO	46512	47162	47821
SAN FRANCISCO	968	982	996
SAN JOAQUIN	7267	7369	7472
SAN LUIS OBSPO	3875	3929	3984
SAN MATEO	5571	5648	5727
SANTA BARBARA	4581	4645	4710
SANTA CLARA	16730	16964	17201
SANTA CRUZ	3345	3392	3440
SHASTA	5643	5722	5802
SIERRA	288	292	297
SISKIYOU	1087	1102	1117
SOLANO	4500	4563	4627
SONOMA	6528	6620	6712
STANISLAUS	8262	8377	8494
SUTTER	2004	2032	2060
TEHAMA	1647	1670	1693
TRINITY	475	482	488
TULARE	6264	6352	6441
TUOLUMNE	1450	1470	1490
VENTURA	12424	12597	12773
YOLO	1764	1788	1813
YUBA	1434	1454	1475

**Table 15 - Recreational
Vehicles, 4-Wheel Drive
(DMV registrations)**

	1970	1971	1972	1973	1974	1975
CALIFORNIA	7226	7328	8839	10058	10308	10575
ALAMEDA	43	44	53	60	61	63
ALPINE	0	0	0	0	0	0
AMADOR	2	2	3	3	3	3
BUTTE	11	12	14	16	16	17
CALAVERAS	1	1	2	2	2	2
COLUSA	1	1	1	1	1	1
CONTRA COSTA	39	39	47	54	55	57
DEL NORTE	0	0	0	0	0	0
EL DORADO	4	4	5	6	6	6
FRESNO	154	157	189	215	220	226
GLENN	1	1	2	2	2	2
HUMBOLDT	27	28	33	38	39	40
IMPERIAL	134	136	163	186	191	196
INYO	9	9	11	12	12	13
KERN	169	171	207	235	241	247
KINGS	60	61	74	84	86	88
LAKE	1	1	2	2	2	2
LASSEN	4	4	4	5	5	5
LOS ANGELES	2050	2079	2507	2853	2924	3000
MADERA	18	18	22	25	26	26
MARIN	4	4	5	6	6	6
MARIPOSA	1	1	1	1	1	1
MENDOCINO	14	15	18	20	20	21
MERCED	13	13	16	18	18	19
MODOC	1	1	2	2	2	2
MONO	5	5	6	7	7	7
MONTEREY	34	35	42	48	49	50
NAPA	21	21	25	29	30	30
NEVADA	5	5	6	7	7	7
ORANGE	861	874	1054	1199	1229	1261
PLACER	14	15	18	20	20	21
PLUMAS	5	5	6	7	7	7
RIVERSIDE	259	263	317	361	370	380
SACRAMENTO	68	68	83	94	96	99
SEN BENITO	1	1	1	1	1	1
SAN BERNARDINO	408	414	499	568	582	597
SAN DIEGO	2096	2125	2563	2917	2989	3067
SAN FRANCISCO	34	34	41	47	48	49
SAN JOAQUIN	23	23	28	32	33	34
SAN LUIS OBISPO	38	39	47	53	54	56
SAN MATEO	26	26	32	36	37	38
SANTA BARBARA	56	57	69	78	80	82
SANTA CLARA	110	111	134	153	157	161
SANTA CRUZ	17	17	20	23	24	24
SHASTA	25	26	31	35	36	37
SIERRA	0	0	0	0	0	0
SISKIYOU	4	4	5	6	6	6
SOLANO	13	13	16	18	18	19
SONOMA	17	17	21	24	25	25
STANISLAUS	60	61	74	84	86	88
SUTTER	6	7	8	9	9	9
TEHAMA	1	1	2	2	2	2
TRINITY	0	0	0	0	0	0
TULARE	75	76	91	104	107	109
TUOLUMNE	1	1	2	2	2	2
VENTURA	157	159	192	218	223	229
YOLO	16	16	19	22	23	23
YUBA	6	6	7	8	8	8

**Table 15 - Recreational
Vehicles, 4-Wheel Drive
(DMV registrations)**

	1976	1977	1978	1979	1980	1981
CALIFORNIA	12186	14951	15587	21916	16427	17266
ALAMEDA	73	146	184	238	206	231
ALPINE	0	0	0	0	0	0
AMADOR	4	4	1	9	6	7
BUTTE	19	71	82	121	84	84
CALAVERAS	2	12	17	26	22	20
COLUSA	1	7	6	14	15	20
CONTRA COSTA	65	166	178	254	161	144
DEL NORTE	0	9	13	19	13	17
EL DORADO	7	26	27	56	48	53
FRESNO	260	447	522	709	599	632
GLENN	2	10	15	29	35	41
HUMBOLDT	46	127	129	174	115	129
IMPERIAL	225	194	169	270	171	175
INYO	15	10	17	24	14	20
KERN	285	459	589	850	671	665
KINGS	102	119	113	162	112	128
LAKE	2	21	26	49	33	38
LASSEN	6	9	14	15	10	15
LOS ANGELES	3457	4148	4169	5689	4281	4527
MADERA	30	38	62	85	89	91
MARIN	7	17	24	34	23	16
MARIPOSA	1	2	2	5	2	2
MENDOCINO	24	51	61	84	60	65
MERCED	22	51	62	87	75	88
MODOC	2	3	3	6	2	1
MONO	8	12	9	19	9	7
MONTEREY	58	45	50	92	82	86
NAPA	35	43	39	62	33	30
NEVADA	8	12	27	39	34	29
ORANGE	1453	1751	1630	2252	1634	1713
PLACER	24	29	53	87	78	69
PLUMAS	8	8	6	9	9	8
RIVERSIDE	437	536	594	960	742	834
SACRAMENTO	114	264	329	465	362	341
SEN BENITO	1	7	10	14	16	24
SAN BERNARDINO	688	869	952	1365	1073	1190
SAN DIEGO	3534	3204	2943	4009	2649	2817
SAN FRANCISCO	57	17	14	33	18	20
SAN JOAQUIN	39	91	135	212	192	187
SAN LUIS OBISPO	64	95	117	178	178	199
SAN MATEO	44	61	71	105	88	94
SANTA BARBARA	95	178	164	232	163	183
SANTA CLARA	185	293	374	530	435	438
SANTA CRUZ	28	30	44	73	46	47
SHASTA	42	73	70	105	60	64
SIERRA	0	2	1	2	3	4
SISKIYOU	7	19	18	23	18	17
SOLANO	22	63	70	108	85	79
SONOMA	29	67	96	128	144	146
STANISLAUS	102	188	209	306	244	226
SUTTER	11	24	22	40	37	41
TEHAMA	2	14	13	19	24	28
TRINITY	0	8	9	13	3	3
TULARE	126	292	438	601	443	437
TUOLUMNE	2	11	17	25	16	15
VENTURA	264	455	519	706	589	598
YOLO	27	28	44	65	56	59
YUBA	10	15	15	30	17	24

**Table 15 - Recreational
Vehicles, 4-Wheel Drive
(DMV registrations)**

	1982	1983	1984	1985	1986	1987
CALIFORNIA	16120	16095	15680	19821	22097	23202
ALAMEDA	247	263	269	342	346	357
ALPINE	0	1	0	1	1	1
AMADOR	11	10	16	34	86	118
BUTTE	85	86	92	156	243	334
CALAVERAS	19	23	24	38	78	97
COLUSA	18	13	9	24	56	81
CONTRA COSTA	152	159	165	244	276	296
DEL NORTE	12	13	19	26	44	64
EL DORADO	47	47	69	144	209	262
FRESNO	527	480	400	396	434	428
GLENN	36	27	27	65	117	146
HUMBOLDT	103	103	104	126	115	116
IMPERIAL	160	179	219	241	280	276
INYO	19	20	17	21	24	22
KERN	616	550	476	481	494	538
KINGS	109	100	85	89	107	115
LAKE	36	30	37	34	71	80
LASSEN	9	14	27	37	124	172
LOS ANGELES	4296	4306	4109	4657	4532	4509
MADERA	67	64	51	49	46	50
MARIN	22	30	32	38	48	52
MARIPOSA	1	4	9	11	17	17
MENDOCINO	54	52	65	108	161	202
MERCED	91	92	92	142	155	144
MODOC	3	3	3	7	20	23
MONO	4	4	5	12	12	11
MONTEREY	87	80	87	150	153	145
NAPA	31	37	45	52	51	58
NEVADA	32	37	39	55	75	99
ORANGE	1631	1669	1622	1874	1960	2111
PLACER	76	72	71	201	295	320
PLUMAS	6	7	5	9	35	47
RIVERSIDE	872	906	966	1279	1438	1414
SACRAMENTO	302	323	345	630	850	862
SEN BENITO	22	24	22	29	42	42
SAN BERNARDINO	1187	1207	1162	1539	1679	1714
SAN DIEGO	2559	2642	2471	3090	3257	3385
SAN FRANCISCO	19	16	18	18	14	15
SAN JOAQUIN	151	167	184	322	411	408
SAN LUIS OBISPO	141	107	122	196	320	309
SAN MATEO	90	91	80	103	112	120
SANTA BARBARA	168	135	126	167	211	196
SANTA CLARA	407	408	414	514	540	603
SANTA CRUZ	54	55	48	53	49	55
SHASTA	70	72	100	251	294	323
SIERRA	2	2	5	4	6	7
SISKIYOU	15	19	17	37	47	48
SOLANO	70	61	82	100	129	129
SONOMA	129	128	122	177	236	274
STANISLAUS	196	192	223	355	392	369
SUTTER	40	34	30	56	103	115
TEHAMA	20	17	23	104	205	279
TRINITY	2	4	6	9	25	26
TULARE	359	290	247	242	310	321
TUOLUMNE	11	13	12	38	85	128
VENTURA	554	543	486	530	511	516
YOLO	48	43	52	75	107	176
YUBA	25	21	27	39	59	77

**Table 15 - Recreational
Vehicles, 4-Wheel Drive
(DMV registrations)**

	1988	1989	1990	1991	1992	1993
CALIFORNIA	23009	23976	24463	26003	26330	25454
ALAMEDA	352	344	326	326	303	279
ALPINE	1	1	1	1	1	0
AMADOR	107	103	112	111	115	112
BUTTE	333	359	380	439	454	441
CALAVERAS	78	66	73	89	98	96
COLUSA	88	88	84	93	95	104
CONTRA COSTA	300	259	259	267	267	243
DEL NORTE	67	60	53	59	56	47
EL DORADO	250	263	297	311	310	305
FRESNO	362	364	349	387	393	393
GLENN	132	141	147	150	153	147
HUMBOLDT	108	117	124	136	147	134
IMPERIAL	281	277	319	342	398	404
INYO	28	28	24	30	32	38
KERN	682	887	924	995	994	909
KINGS	96	99	97	120	131	133
LAKE	67	64	60	59	60	59
LASSEN	140	135	121	128	124	123
LOS ANGELES	4387	4446	4375	4473	4314	4075
MADERA	48	42	43	49	64	67
MARIN	51	36	38	41	43	42
MARIPOSA	17	18	14	13	13	17
MENDOCINO	173	160	152	146	154	148
MERCED	135	126	125	136	146	139
MODOC	31	35	39	49	63	69
MONO	9	9	11	9	13	16
MONTEREY	135	124	122	119	132	124
NAPA	53	54	61	63	70	67
NEVADA	98	99	111	141	149	138
ORANGE	2108	2234	2231	2301	2342	2262
PLACER	330	329	336	368	365	343
PLUMAS	50	49	51	58	69	72
RIVERSIDE	1496	1623	1750	1947	1985	1936
SACRAMENTO	832	792	793	836	785	712
SEN BENITO	43	41	41	49	48	46
SAN BERNARDINO	1796	1947	2086	2305	2371	2350
SAN DIEGO	3287	3519	3548	3735	3784	3735
SAN FRANCISCO	18	18	24	24	16	17
SAN JOAQUIN	348	353	375	404	435	414
SAN LUIS OBISPO	296	331	368	404	411	400
SAN MATEO	111	116	112	113	123	122
SANTA BARBARA	171	173	179	202	206	193
SANTA CLARA	653	649	625	594	589	535
SANTA CRUZ	52	49	60	69	65	67
SHASTA	385	441	490	586	624	584
SIERRA	7	14	12	15	15	14
SISKIYOU	59	83	109	146	164	180
SOLANO	122	142	147	148	158	164
SONOMA	282	278	268	274	273	257
STANISLAUS	364	354	338	354	366	348
SUTTER	109	122	131	155	160	152
TEHAMA	259	247	238	249	246	238
TRINITY	28	27	27	32	32	29
TULARE	272	265	245	271	299	317
TUOLUMNE	122	116	115	112	112	110
VENTURA	502	536	573	602	612	596
YOLO	217	242	270	279	284	287
YUBA	81	82	80	89	99	105

**Table 15 - Recreational
Vehicles, 4-Wheel Drive
(DMV registrations)**

	1994	1995	1996	1997	1998	1999
CALIFORNIA	25890	26182	26752	27323	27900	28477
ALAMEDA	284	287	293	299	306	312
ALPINE	0	0	0	0	0	0
AMADOR	114	115	118	120	123	125
BUTTE	449	454	463	473	483	493
CALAVERAS	98	99	101	103	105	107
COLUSA	106	107	109	112	114	116
CONTRA COSTA	247	250	255	261	266	272
DEL NORIE	48	48	49	50	52	53
EL DORADO	310	314	321	327	334	341
FRESNO	400	404	413	422	431	440
GLENN	150	151	154	158	161	164
HUMBOLDT	136	138	141	144	147	150
IMPERIAL	411	416	425	434	443	452
INYO	39	39	40	41	42	43
KERN	925	935	955	976	996	1017
KINGS	135	137	140	143	146	149
LAKE	60	61	62	63	65	66
LASSEN	125	127	129	132	135	138
LOS ANGELES	4145	4192	4283	4374	4467	4559
MADERA	68	69	70	72	73	75
MARIN	43	43	44	45	46	47
MARIPOSA	17	17	18	18	19	19
MENDOCINO	151	152	156	159	162	166
MERCED	141	143	146	149	152	156
MODOC	70	71	73	74	76	77
MONO	16	16	17	17	18	18
MONTEREY	126	128	130	133	136	139
NAPA	68	69	70	72	73	75
NEVADA	140	142	145	148	151	154
ORANGE	2301	2327	2377	2428	2479	2531
PLACER	349	353	360	368	376	384
PLUMAS	73	74	76	77	79	81
RIVERSIDE	1969	1991	2035	2078	2122	2166
SACRAMENTO	724	732	748	764	780	797
SEN BENITO	47	47	48	49	50	51
SAN BERNARDINO	2390	2417	2470	2523	2576	2629
SAN DIEGO	3799	3842	3925	4009	4094	4179
SAN FRANCISCO	17	17	18	18	19	19
SAN JOAQUIN	421	426	435	444	454	463
SAN LUIS OBISPO	407	411	420	429	438	448
SAN MATEO	124	125	128	131	134	136
SANTA BARBARA	196	199	203	207	212	216
SANTA CLARA	544	550	562	574	586	599
SANTA CRUZ	68	69	70	72	73	75
SHASTA	594	601	614	627	640	653
SIERRA	14	14	15	15	15	16
SISKIYOU	183	185	189	193	197	201
SOLANO	167	169	172	176	180	183
SONOMA	261	264	270	276	282	288
STANISLAUS	354	358	366	374	381	389
SUTTER	155	156	160	163	167	170
TEHAMA	242	245	250	255	261	266
TRINITY	29	30	30	31	32	32
TULARE	322	326	333	340	347	355
TUOLUMNE	112	113	116	118	121	123
VENTURA	606	613	626	640	653	667
YOLO	292	295	302	308	315	321
YUBA	107	108	110	113	115	117

**Table 15 - Recreational
Vehicles, 4-Wheel Drive
(DMV registrations)**

	2000	2001	2002	2003	2004	2005
CALIFORNIA	29054	29634	30222	30808	31400	32001
ALAMEDA	318	325	331	338	344	351
ALPINE	0	0	0	0	0	0
AMADOR	128	130	133	136	138	141
BUTTE	503	513	524	534	544	554
CALAVERAS	110	112	114	116	118	121
COLUSA	119	121	123	126	128	131
CONTRA COSTA	277	283	289	294	300	306
DEL NORTE	54	55	56	57	58	59
EL DORADO	348	355	362	369	376	383
FRESNO	449	458	467	476	485	494
GLENN	168	171	175	178	181	185
HUMBOLDT	153	156	159	162	165	168
IMPERIAL	461	470	480	489	498	508
INYO	43	44	45	46	47	48
KERN	1038	1058	1079	1100	1121	1143
KINGS	152	155	158	161	164	167
LAKE	67	69	70	71	73	74
LASSEN	140	143	146	149	152	155
LOS ANGELES	4651	4744	4838	4932	5027	5123
MADERA	76	78	80	81	83	84
MARIN	48	49	50	51	52	53
MARIPOSA	19	20	20	21	21	21
MENDOCINO	169	172	176	179	183	186
MERCED	159	162	165	168	171	175
MODOC	79	80	82	84	85	87
MONO	18	19	19	19	20	20
MONTEREY	142	144	147	150	153	156
NAPA	76	78	80	81	83	84
NEVADA	158	161	164	167	170	173
ORANGE	2582	2633	2686	2738	2790	2844
PLACER	392	399	407	415	423	431
PLUMAS	82	84	85	87	89	91
RIVERSIDE	2210	2254	2299	2343	2388	2434
SACRAMENTO	813	829	845	862	878	895
SEN BENITO	53	54	55	56	57	58
SAN BERNARDINO	2682	2736	2790	2844	2899	2954
SAN DIEGO	4263	4348	4435	4521	4608	4696
SAN FRANCISCO	19	20	20	21	21	21
SAN JOAQUIN	473	482	492	501	511	520
SAN LUIS OBISPO	457	466	475	484	493	503
SAN MATEO	139	142	145	148	151	153
SANTA BARBARA	220	225	229	234	238	243
SANTA CLARA	611	623	635	648	660	673
SANTA CRUZ	76	78	80	81	83	84
SHASTA	667	680	693	707	720	734
SIERRA	16	16	17	17	17	18
SISKIYOU	205	210	214	218	222	226
SOLANO	187	191	195	198	202	206
SONOMA	293	299	305	311	317	323
STANISLAUS	397	405	413	421	429	438
SUTTER	173	177	180	184	188	191
TEHAMA	272	277	283	288	294	299
TRINITY	33	34	34	35	36	36
TULARE	362	369	376	384	391	399
TUOLUMNE	126	128	131	133	136	138
VENTURA	680	694	708	721	735	749
YOLO	328	334	341	347	354	361
YUBA	120	122	125	127	130	132

**Table 15 - Recreational
Vehicles, 4-Wheel Drive
(DMV registrations)**

	2006	2007	2008	2009	2010	2011
CALIFORNIA	32486	32976	33472	33973	34481	34980
ALAMEDA	356	361	367	372	378	383
ALPINE	0	0	0	0	0	0
AMADOR	143	145	147	149	152	154
BUTTE	563	571	580	589	597	606
CALAVERAS	123	124	126	128	130	132
COLUSA	133	135	137	139	141	143
CONTRA COSTA	310	315	320	324	329	334
DEL NORTE	60	61	62	63	64	65
EL DORADO	389	395	401	407	413	419
FRESNO	502	509	517	525	532	540
GLENN	188	190	193	196	199	202
HUMBOLDT	171	174	176	179	182	184
IMPERIAL	516	523	531	539	547	555
INYO	48	49	50	51	51	52
KERN	1160	1178	1195	1213	1231	1249
KINGS	170	172	175	178	180	183
LAKE	75	76	78	79	80	81
LASSEN	157	159	162	164	167	169
LOS ANGELES	5201	5279	5359	5439	5520	5600
MADERA	86	87	88	89	91	92
MARIN	54	54	55	56	57	58
MARIPOSA	22	22	22	23	23	23
MENDOCINO	189	192	195	198	200	203
MERCED	177	180	183	186	188	191
MODOC	88	89	91	92	93	95
MONO	20	21	21	21	22	22
MONTEREY	158	161	163	166	168	170
NAPA	86	87	88	89	91	92
NEVADA	176	179	181	184	187	190
ORANGE	2887	2930	2975	3019	3064	3109
PLACER	438	444	451	458	465	471
PLUMAS	92	93	95	96	98	99
RIVERSIDE	2471	2508	2546	2584	2623	2661
SACRAMENTO	909	922	936	950	965	978
SEN BENITO	59	60	60	61	62	63
SAN BERNARDINO	2999	3044	3090	3137	3183	3230
SAN DIEGO	4767	4839	4912	4985	5060	5133
SAN FRANCISCO	22	22	22	23	23	23
SAN JOAQUIN	528	536	544	553	561	569
SAN LUIS OBISPO	511	518	526	534	542	550
SAN MATEO	156	158	160	163	165	168
SANTA BARBARA	246	250	254	258	261	265
SANTA CLARA	683	693	704	714	725	735
SANTA CRUZ	86	87	88	89	91	92
SHASTA	745	757	768	779	791	803
SIERRA	18	18	18	19	19	19
SISKIYOU	230	233	237	240	244	247
SOLANO	209	212	216	219	222	225
SONOMA	328	333	338	343	348	353
STANISLAUS	444	451	458	464	471	478
SUTTER	194	197	200	203	206	209
TEHAMA	304	308	313	318	322	327
TRINITY	37	38	38	39	39	40
TULARE	405	411	417	423	429	436
TUOLUMNE	140	143	145	147	149	151
VENTURA	761	772	784	795	807	819
YOLO	366	372	377	383	389	394
YUBA	134	136	138	140	142	144

**Table 15 - Recreational
Vehicles, 4-Wheel Drive
(DMV registrations)**

	2012	2013	2014	2015	2016	2017
CALIFORNIA	35487	36002	36524	37055	37575	38102
ALAMEDA	389	395	400	406	412	418
ALPINE	0	0	0	0	0	0
AMADOR	156	158	161	163	165	168
BUTTE	615	624	633	642	651	660
CALAVERAS	134	136	138	140	142	144
COLUSA	145	147	149	151	154	156
CONTRA COSTA	339	344	349	354	359	364
DEL NORTE	66	66	67	68	69	70
EL DORADO	425	431	438	444	450	457
FRESNO	548	556	564	572	580	588
GLENN	205	208	211	214	217	220
HUMBOLDT	187	190	192	195	198	201
IMPERIAL	563	571	580	588	596	605
INYO	53	54	55	55	56	57
KERN	1267	1286	1304	1323	1342	1361
KINGS	185	188	191	194	196	199
LAKE	82	83	85	86	87	88
LASSEN	171	174	176	179	182	184
LOS ANGELES	5681	5764	5847	5932	6015	6100
MADERA	93	95	96	98	99	100
MARIN	59	59	60	61	62	63
MARIPOSA	24	24	24	25	25	25
MENDOCINO	206	209	212	215	218	222
MERCED	194	197	199	202	205	208
MODOC	96	98	99	100	102	103
MONO	22	23	23	23	24	24
MONTEREY	173	175	178	181	183	186
NAPA	93	95	96	98	99	100
NEVADA	192	195	198	201	204	207
ORANGE	3154	3199	3246	3293	3339	3386
PLACER	478	485	492	499	506	513
PLUMAS	100	102	103	105	106	108
RIVERSIDE	2699	2738	2778	2818	2858	2898
SACRAMENTO	993	1007	1022	1037	1051	1066
SEN BENITO	64	65	66	67	68	69
SAN BERNARDINO	3276	3324	3372	3421	3469	3518
SAN DIEGO	5207	5283	5359	5437	5514	5591
SAN FRANCISCO	24	24	24	25	25	25
SAN JOAQUIN	577	586	594	603	611	620
SAN LUIS OBISPO	558	566	574	582	590	599
SAN MATEO	170	173	175	178	180	183
SANTA BARBARA	269	273	277	281	285	289
SANTA CLARA	746	757	768	779	790	801
SANTA CRUZ	93	95	96	98	99	100
SHASTA	814	826	838	850	862	874
SIERRA	20	20	20	20	21	21
SISKIYOU	251	255	258	262	266	269
SOLANO	229	232	235	239	242	245
SONOMA	358	363	369	374	379	385
STANISLAUS	485	492	499	507	514	521
SUTTER	212	215	218	221	224	228
TEHAMA	332	337	342	346	351	356
TRINITY	40	41	42	42	43	43
TULARE	442	448	455	461	468	475
TUOLUMNE	153	156	158	160	162	165
VENTURA	831	843	855	868	880	892
YOLO	400	406	412	418	424	430
YUBA	146	149	151	153	155	157

**Table 15 - Recreational
Vehicles, 4-Wheel Drive
(DMV registrations)**

	2018	2019	2020
CALIFORNIA	38635	39176	39723
ALAMEDA	423	429	435
ALPINE	0	0	0
AMADOR	170	172	175
BUTTE	669	679	688
CALAVERAS	146	148	150
COLUSA	158	160	162
CONTRA COSTA	369	374	379
DEL NORIE	71	72	73
EL DORADO	463	469	476
FRESNO	597	605	613
GLENN	223	226	229
HUMBOLDT	203	206	209
IMPERIAL	613	622	630
INYO	58	58	59
KERN	1380	1399	1419
KINGS	202	205	208
LAKE	90	91	92
LASSEN	187	189	192
LOS ANGELES	6185	6272	6359
MADERA	102	103	105
MARIN	64	65	66
MARIPOSA	26	26	27
MENDOCINO	225	228	231
MERCED	211	214	217
MODOC	105	106	108
MONO	24	25	25
MONTEREY	188	191	194
NAPA	102	103	105
NEVADA	209	212	215
ORANGE	3433	3481	3530
PLACER	521	528	535
PLUMAS	109	111	112
RIVERSIDE	2939	2980	3021
SACRAMENTO	1081	1096	1111
SEN BENITO	70	71	72
SAN BERNARDINO	3567	3617	3667
SAN DIEGO	5669	5748	5829
SAN FRANCISCO	26	26	27
SAN JOAQUIN	628	637	646
SAN LUIS OBISPO	607	616	624
SAN MATEO	185	188	190
SANTA BARBARA	293	297	301
SANTA CLARA	812	823	835
SANTA CRUZ	102	103	105
SHASTA	886	899	911
SIERRA	21	22	22
SISKIYOU	273	277	281
SOLANO	249	252	256
SONOMA	390	396	401
STANISLAUS	528	536	543
SUTTER	231	234	237
TEHAMA	361	366	371
TRINITY	44	45	45
TULARE	481	488	495
TUOLUMNE	167	169	172
VENTURA	905	917	930
YOLO	436	442	448
YUBA	159	162	164

Table 16 - Lawn & Garden
Equipment, Commercial
(*000\$ Comm. Construction)

	1970	1971	1972	1973	1974	1975
CALIFORNIA	27177	31179	31544	28758	23600	22132
ALAMEDA	1226	1528	1256	1154	1004	823
ALPINE	0	1	3	7	6	2
AMADOR	23	29	32	37	34	35
BUTTE	90	85	111	112	107	163
CALAVERAS	105	57	66	32	188	26
COLUSA	68	9	8	7	9	34
CONTRA COSTA	641	981	912	1034	790	686
DEL NORTE	38	15	17	30	10	25
EL DORADO	95	138	164	174	237	182
FRESNO	475	497	553	538	488	416
GLENN	8	13	42	19	29	40
HUMBOLDT	102	72	91	83	137	79
IMPERIAL	39	72	98	59	43	73
INYO	39	15	27	18	31	17
KERN	356	343	381	331	396	317
KINGS	94	49	94	48	74	71
LAKE	36	20	29	20	43	24
LASSEN	14	13	9	12	12	19
LOS ANGELES	8216	7949	8476	7712	5625	4984
MADERA	43	60	135	58	51	72
MARIN	219	367	396	389	258	212
MARIPOSA	14	10	6	7	20	12
MENDOCINO	46	55	73	77	77	71
MERCED	144	135	125	122	103	123
MODOC	19	5	6	9	4	8
MONO	29	41	69	38	20	19
MONTEREY	247	381	370	337	288	284
NAPA	86	130	138	153	141	98
NEVADA	63	52	69	89	57	59
ORANGE	2500	3217	3796	3395	2609	2400
PLACER	237	219	208	221	335	156
PLUMAS	16	10	10	12	59	23
RIVERSIDE	854	981	1002	977	628	677
SACRAMENTO	837	969	972	771	669	632
SAN BENITO	23	18	15	21	15	19
SAN BERNARDINO	1009	1005	1011	909	665	923
SAN DIEGO	2412	3185	3655	2695	2209	2088
SAN FRANCISCO	1199	1837	731	983	469	813
SAN JOAQUIN	320	282	332	362	445	462
SAN LUIS OBISPO	144	783	224	158	139	228
SAN MATEO	708	868	928	894	516	487
SANTA BARBARA	263	242	377	369	293	335
SANTA CLARA	1970	1831	1670	1619	1507	1349
SANTA CRUZ	133	199	288	217	147	163
SHASTA	76	78	117	163	125	167
SIERRA	1	11	2	6	5	14
SISKIYOU	34	62	53	37	57	42
SOLANO	166	257	292	328	581	325
SONOMA	335	402	462	478	375	403
STANISLAUS	211	328	306	269	308	275
SUTTER	31	43	41	33	84	58
TEHAMA	18	21	64	29	20	31
TRINITY	13	7	7	14	22	12
TULARE	159	204	208	196	214	245
TUOLUMNE	103	43	68	48	202	45
VENTURA	624	791	700	658	417	612
YOLO	185	138	207	160	157	136
YUBA	18	30	41	31	43	36

**Table 16 - Lawn & Garden
Equipment, Commercial
('000\$ Comm. Construction)**

	1976	1977	1978	1979	1980	1981
CALIFORNIA	29391	34272	34437	33634	28175	27000
ALAMEDA	790	1026	1456	1500	1088	1108
ALPINE	2	0	0	6	3	7
AMADOR	34	53	56	53	31	31
BUTTE	140	148	186	206	149	145
CALAVERAS	130	57	59	90	80	66
COLUSA	6	50	69	41	14	113
CONTRA COSTA	884	1143	854	917	776	700
DEL NORTE	23	22	55	23	20	16
EL DORADO	222	261	218	193	147	155
FRESNO	581	666	761	649	551	376
GLENN	15	23	35	47	14	126
HUMBOLDT	102	129	119	125	83	71
IMPERIAL	83	114	113	85	79	73
INYO	29	18	31	33	19	17
KERN	430	590	495	603	484	432
KINGS	94	90	102	92	61	40
LAKE	40	52	89	90	78	297
LASSEN	19	29	32	38	31	25
LOS ANGELES	5749	6777	7132	7832	7965	7413
MADERA	84	111	145	135	73	57
MARIN	229	264	356	217	210	256
MARIPOSA	9	15	21	16	10	8
MENDOCINO	73	90	115	93	74	66
MERCED	138	161	215	234	108	99
MODOC	5	16	9	6	10	12
MONO	15	13	42	81	40	84
MONTEREY	361	357	349	354	278	289
NAPA	151	142	187	131	124	114
NEVADA	105	135	189	133	116	90
ORANGE	3939	3981	3435	3086	2469	2192
PLACER	203	306	387	315	240	178
PLUMAS	22	29	30	47	39	38
RIVERSIDE	994	1693	1445	1482	1029	1177
SACRAMENTO	1202	933	865	1008	906	738
SAN BENITO	25	32	33	33	26	23
SAN BERNARDINO	1613	1910	1961	2109	1258	1091
SAN DIEGO	3124	3771	3330	2822	2430	1956
SAN FRANCISCO	584	975	1238	1080	683	1327
SAN JOAQUIN	552	639	636	581	394	310
SAN LUIS OBISPO	264	306	270	279	214	226
SAN MATEO	721	723	782	693	721	567
SANTA BARBARA	297	359	349	405	526	429
SANTA CLARA	1926	1940	1968	1981	1658	1721
SANTA CRUZ	265	283	290	235	209	180
SHASTA	219	280	220	222	134	186
SIERRA	4	7	13	8	7	8
SISKIYOU	41	53	54	65	62	139
SOLANO	353	582	522	490	324	296
SONOMA	415	559	751	571	469	401
STANISLAUS	415	512	420	396	314	194
SUTTER	62	80	83	79	61	53
TEHAMA	44	54	63	51	49	120
TRINITY	10	15	23	19	17	9
TULARE	280	307	333	291	200	157
TUOLUMNE	109	88	65	85	56	55
VENTURA	952	1109	1141	958	798	693
YOLO	180	147	179	157	111	208
YUBA	34	47	62	64	55	41

Table 16 - Lawn & Garden
Equipment, Commercial
('000\$ Comm. Construction)

	1982	1983	1984	1985	1986	1987
CALIFORNIA	23090	31283	36248	41561	46411	43963
ALAMEDA	1126	1430	1702	1612	1641	1830
ALPINE	3	7	2	14	2	34
AMADOR	24	32	32	89	62	46
BUTTE	118	131	195	147	150	201
CALAVERAS	50	57	56	66	64	93
COLUSA	22	19	12	15	18	12
CONTRA COSTA	630	1136	1133	1522	1440	1193
DEL NORTE	15	22	11	50	8	42
EL DORADO	150	125	125	173	240	269
FRESNO	305	505	622	539	519	540
GLENN	14	16	29	10	17	9
HUMBOLDT	84	67	114	137	91	97
IMPERIAL	65	88	69	139	164	242
INYO	19	24	34	10	13	16
KERN	641	777	700	1043	817	653
KINGS	47	88	81	70	96	119
LAKE	96	146	58	59	59	85
LASSEN	31	46	20	26	24	28
LOS ANGELES	6211	7285	8687	10031	11655	11472
MADERA	41	61	65	72	57	87
MARIN	260	335	279	275	237	274
MARIPOSA	18	18	27	43	21	16
MENDOCINO	56	64	81	69	98	110
MERCED	107	152	113	108	161	150
MODOC	9	8	6	5	4	4
MONO	25	17	23	16	17	31
MONTEREY	263	318	343	410	380	305
NAPA	116	167	165	138	134	149
NEVADA	87	65	80	101	176	171
ORANGE	1776	2260	3048	3720	4262	4310
PLACER	190	217	280	306	365	556
PLUMAS	21	28	27	20	31	27
RIVERSIDE	949	1565	2230	2201	2740	2687
SACRAMENTO	736	1175	1457	1720	1678	1464
SAN BENITO	32	33	80	56	52	47
SAN BERNARDINO	990	1602	2071	2426	3580	2814
SAN DIEGO	1775	3111	4078	4699	5623	5168
SAN FRANCISCO	1469	1412	898	1172	1095	834
SAN JOAQUIN	313	418	499	478	592	506
SAN LUIS OBISPO	194	398	379	510	348	373
SAN MATEO	505	549	616	878	921	869
SANTA BARBARA	267	406	445	492	501	408
SANTA CLARA	1331	2111	2280	2468	2021	1910
SANTA CRUZ	230	224	204	186	197	287
SHASTA	129	143	140	134	181	256
SIERRA	4	19	16	12	14	4
SISKIYOU	40	82	36	36	32	35
SOLANO	209	302	311	493	633	504
SONOMA	277	543	556	610	581	586
STANISLAUS	159	297	381	373	622	439
SUTTER	43	37	44	49	64	73
TEHAMA	34	32	51	58	48	53
TRINITY	12	17	11	14	16	21
TULARE	155	215	194	207	252	234
TUOLUMNE	39	54	78	115	125	43
VENTURA	468	666	804	931	1271	934
YOLO	72	129	136	146	155	202
YUBA	37	31	31	66	47	39

Table 16 - Lawn & Garden
Equipment, Commercial
('000\$ Comm. Construction)

	1988	1989	1990	1991	1992	1993
CALIFORNIA	49592	49424	39060	30915	28266	26071
ALAMEDA	1471	1693	1429	1220	1419	1214
ALPINE	3	2	2	3	5	4
AMADOR	34	44	51	51	49	45
BUTTE	196	235	213	198	161	149
CALAVERAS	82	116	100	76	75	64
COLUSA	16	14	27	24	36	15
CONTRA COSTA	1271	1357	987	827	1293	1014
DEL NORTE	53	22	47	21	27	21
EL DORADO	337	351	351	264	188	171
FRESNO	621	755	828	685	805	691
GLENN	11	13	24	17	20	20
HUMBOLDT	84	112	117	99	99	93
IMPERIAL	221	104	133	120	177	126
INYO	13	19	17	14	32	22
KERN	758	764	819	658	646	661
KINGS	56	71	80	102	106	86
LAKE	135	75	85	85	78	58
LASSEN	85	23	19	47	22	56
LOS ANGELES	12183	12747	9045	7394	5895	5457
MADERA	107	129	146	116	99	105
MARIN	296	356	247	251	273	216
MARIPOSA	51	19	25	28	23	16
MENDOCINO	59	109	95	82	63	58
MERCED	172	235	166	160	207	189
MODOC	4	3	14	6	10	11
MONO	36	47	83	21	24	18
MONTEREY	353	387	317	312	272	290
NAPA	183	242	210	167	132	127
NEVADA	209	185	172	137	135	84
ORANGE	4923	4642	3179	2915	2057	2098
PLACER	628	725	591	430	352	418
PLUMAS	32	23	30	47	33	22
RIVERSIDE	4285	3940	2663	1934	1717	1551
SACRAMENTO	1959	2138	1853	1056	1191	1071
SAN BENITO	60	80	44	27	49	56
SAN BERNARDINO	3139	3531	2741	1695	1393	1256
SAN DIEGO	5457	4391	3496	2712	2209	1907
SAN FRANCISCO	1014	823	1077	734	803	832
SAN JOAQUIN	641	681	707	481	512	565
SAN LUIS OBISPO	384	424	308	302	190	237
SAN MATEO	799	874	593	605	503	537
SANTA BARBARA	998	409	470	340	285	265
SANTA CLARA	1832	1785	1709	1506	1585	1395
SANTA CRUZ	280	269	174	206	196	149
SHASTA	257	268	356	216	170	221
SIERRA	4	5	2	5	5	6
SISKIYOU	44	38	41	46	31	44
SOLANO	827	985	505	404	427	356
SONOMA	662	696	547	442	479	390
STANISLAUS	527	661	506	263	407	352
SUTTER	95	134	165	84	120	92
TEHAMA	32	40	69	58	57	55
TRINITY	33	10	14	8	12	13
TULARE	171	276	325	283	280	251
TUOLUMNE	46	58	64	68	69	52
VENTURA	1135	1072	690	622	587	605
YOLO	203	181	242	185	141	156
YUBA	24	35	47	56	37	38

Table 16 - Lawn & Garden
Equipment, Commercial
(000\$ Comm. Construction)

	1994	1995	1996	1997	1998	1999
CALIFORNIA	42872	43604	44428	45309	46209	47098
ALAMEDA	1487	1503	1520	1539	1559	1578
ALPINE	7	7	7	7	7	7
AMADOR	68	70	72	75	77	80
BUTTE	218	222	227	232	237	242
CALAVERAS	147	153	160	167	174	182
COLUSA	36	37	37	38	39	40
CONTRA COSTA	1322	1346	1374	1404	1434	1464
DEL NORTE	37	38	40	42	44	45
EL DORADO	357	367	377	388	400	411
FRESNO	791	816	842	870	899	928
GLENN	32	33	34	35	35	36
HUMBOLDT	122	124	126	128	130	132
IMPERIAL	136	140	145	150	155	160
INYO	25	25	26	26	26	27
KERN	812	840	871	903	936	970
KINGS	104	107	110	113	117	120
LAKE	115	118	121	124	128	132
LASSEN	35	36	37	38	39	40
LOS ANGELES	8985	9052	9131	9216	9303	9388
MADERA	140	145	151	157	163	169
MARIN	314	317	320	324	328	331
MARIPOSA	29	30	30	31	32	33
MENDOCINO	105	107	109	111	113	115
MERCED	203	208	214	220	226	233
MODOC	10	10	10	10	11	11
MONO	46	47	48	49	50	51
MONTEREY	402	408	415	422	429	437
NAPA	182	184	186	189	192	195
NEVADA	201	207	213	220	227	233
ORANGE	4069	4107	4150	4197	4245	4292
PLACER	550	565	581	598	616	634
PLUMAS	38	39	39	40	41	41
RIVERSIDE	2858	2950	3057	3171	3287	3399
SACRAMENTO	1594	1623	1655	1689	1724	1759
SAN BENITO	56	59	61	65	68	71
SAN BERNARDINO	2751	2812	2883	2959	3036	3111
SAN DIEGO	4567	4666	4775	4891	5010	5128
SAN FRANCISCO	993	998	1003	1010	1016	1023
SAN JOAQUIN	659	675	692	710	728	747
SAN LUIS OBISPO	401	408	417	426	435	443
SAN MATEO	778	785	793	802	811	820
SANTA BARBARA	487	494	502	511	520	529
SANTA CLARA	2068	2094	2123	2154	2186	2217
SANTA CRUZ	277	280	284	288	292	297
SHASTA	276	283	290	298	306	314
SIERRA	8	8	8	8	8	8
SISKIYOU	60	61	62	63	63	64
SOLANO	681	706	734	764	795	824
SONOMA	721	734	749	764	780	796
STANISLAUS	540	555	573	591	609	628
SUTTER	97	100	103	106	109	112
TEHAMA	67	69	70	72	74	75
TRINITY	19	20	20	20	20	21
TULARE	314	322	331	340	350	360
TUOLUMNE	127	130	134	138	142	146
VENTURA	1076	1085	1096	1108	1120	1131
YOLO	224	229	235	242	249	255
YUBA	52	53	55	56	58	59

**Table 16 - Lawn & Garden
Equipment, Commercial
(*000\$ Comm. Construction)**

	2000	2001	2002	2003	2004	2005
CALIFORNIA	47969	48819	49647	50457	51251	52217
ALAMEDA	1596	1616	1639	1661	1682	1708
ALPINE	7	8	8	8	8	8
AMADOR	82	85	88	91	94	97
BUTTE	247	253	258	263	268	273
CALAVERAS	189	197	205	213	221	230
COLUSA	41	42	44	45	46	47
CONTRA COSTA	1492	1522	1551	1580	1608	1641
DEL NORTE	47	49	50	52	53	55
EL DORADO	422	433	443	452	462	474
FRESNO	958	987	1017	1047	1077	1111
GLENN	37	38	39	40	41	42
HUMBOLDT	134	136	138	139	141	143
IMPERIAL	165	170	174	178	183	187
INYO	27	28	28	29	29	30
KERN	1004	1036	1066	1097	1128	1163
KINGS	124	127	131	134	138	142
LAKE	135	139	143	146	150	154
LASSEN	41	42	43	44	44	45
LOS ANGELES	9470	9549	9624	9695	9764	9866
MADERA	175	180	185	191	196	202
MARIN	335	338	342	345	348	352
MARIPOSA	34	35	36	37	38	39
MENDOCINO	117	120	122	125	127	130
MERCED	239	246	254	261	269	277
MODOC	11	11	11	11	12	12
MONO	52	53	54	56	57	59
MONTIEREY	444	451	460	468	476	485
NAPA	197	201	205	210	214	219
NEVADA	240	247	253	260	266	273
ORANGE	4338	4381	4422	4462	4500	4553
PLACER	651	669	686	704	721	741
PLUMAS	42	42	43	43	44	44
RIVERSIDE	3508	3613	3713	3810	3903	4008
SACRAMENTO	1794	1829	1863	1897	1931	1971
SAN BENITO	74	77	81	84	87	91
SAN BERNARDINO	3184	3254	3321	3385	3447	3520
SAN DIEGO	5246	5363	5479	5594	5708	5843
SAN FRANCISCO	1029	1033	1035	1037	1039	1045
SAN JOAQUIN	765	785	805	825	846	869
SAN LUIS OBISPO	452	461	469	477	485	495
SAN MATEO	829	835	838	842	845	852
SANTA BARBARA	538	545	552	559	565	574
SANTA CLARA	2247	2276	2303	2330	2355	2389
SANTA CRUZ	301	304	308	311	314	319
SEASTA	323	330	336	343	349	357
SIERRA	8	8	8	8	8	9
SISKIYOU	65	66	67	68	69	70
SOLANO	854	878	898	917	936	957
SONOMA	811	828	847	866	884	905
STANISLAUS	647	666	686	705	724	747
SUTTER	116	120	124	128	133	138
TEHAMA	77	79	80	81	83	84
TRINITY	21	21	22	22	23	23
TULARE	370	379	389	398	408	419
TUOLUMNE	150	154	158	162	165	170
VENTURA	1143	1154	1164	1174	1183	1197
YOLO	262	268	275	281	288	295
YUBA	61	63	64	66	68	70

Table 16 - Lawn & Garden
Equipment, Commercial
('000\$ Comm. Construction)

	2006	2007	2008	2009	2010	2011
CALIFORNIA	53362	54317	55080	55836	56579	57302
ALAMEDA	1743	1771	1792	1813	1834	1857
ALPINE	8	9	9	9	9	9
AMADOR	100	101	103	104	106	108
BUTTE	278	281	283	285	287	290
CALAVERAS	237	242	247	251	256	261
COLUSA	48	49	49	50	50	51
CONTRA COSTA	1680	1711	1736	1761	1785	1814
DEL NORTE	56	57	58	59	60	61
EL DORADO	485	495	503	511	519	526
FRESNO	1135	1155	1170	1185	1200	1216
GLENN	42	43	44	44	44	45
HUMBOLDT	144	145	145	146	146	147
IMPERIAL	194	200	205	211	216	221
INYO	30	30	30	30	31	31
KERN	1187	1207	1223	1238	1253	1269
KINGS	144	147	148	150	152	153
LAKE	158	160	162	164	165	168
LASSEN	46	46	46	46	47	47
LOS ANGELES	10051	10196	10306	10415	10523	10614
MADERA	206	209	211	214	216	219
MARIN	358	363	366	370	373	377
MARIPOSA	39	40	40	41	41	41
MENDOCINO	132	133	134	135	136	138
MERCED	283	288	292	296	300	304
MODOC	12	12	12	12	12	12
MONO	60	61	61	62	63	63
MONTEREY	493	498	502	505	508	515
NAPA	224	229	233	236	240	244
NEVADA	278	282	285	288	291	295
ORANGE	4645	4720	4777	4835	4892	4941
PLACER	761	778	793	808	822	834
PLUMAS	45	45	45	45	45	45
RIVERSIDE	4151	4284	4403	4521	4637	4747
SACRAMENTO	2012	2044	2070	2096	2121	2144
SAN BENITO	94	97	100	102	105	108
SAN BERNARDINO	3625	3719	3801	3882	3963	4037
SAN DIEGO	5979	6094	6188	6281	6374	6450
SAN FRANCISCO	1058	1068	1074	1081	1087	1092
SAN JOAQUIN	885	898	907	916	926	935
SAN LUIS OBISPO	503	508	512	515	518	525
SAN MATEO	863	872	879	885	891	897
SANTA BARBARA	580	583	585	586	588	593
SANTA CLARA	2434	2470	2498	2525	2552	2581
SANTA CRUZ	322	323	324	324	325	327
SHASTA	363	367	369	372	374	378
SIERRA	9	9	9	9	9	9
SISKIYOU	71	71	72	72	72	72
SOLANO	982	1002	1018	1034	1050	1068
SONOMA	929	948	963	979	994	1012
STANISLAUS	762	774	784	794	803	813
SUTTER	142	145	147	150	152	155
TEHAMA	85	86	86	87	87	88
TRINITY	23	23	23	23	23	24
TULARE	426	432	437	441	445	450
TUOLUMNE	173	175	177	178	180	182
VENTURA	1221	1240	1254	1269	1283	1296
YOLO	303	309	315	320	325	330
YUBA	71	72	73	74	75	76

**Table 16 - Lawn & Garden
Equipment, Commercial
('000\$ Comm. Construction)**

	2012	2013	2014	2015	2016	2017
CALIFORNIA	58014	58704	59376	60031	60672	61299
ALAMEDA	1877	1897	1915	1933	1951	1968
ALPINE	9	9	9	9	9	9
AMADOR	109	110	111	112	114	115
BUTTE	292	293	295	296	298	299
CALAVERAS	264	268	271	275	278	281
COLUSA	51	52	52	53	53	53
CONTRA COSTA	1841	1867	1892	1917	1941	1964
DEL NORTE	61	62	62	63	63	64
EL DORADO	533	540	546	553	559	566
FRESNO	1230	1243	1256	1269	1282	1294
GLENN	45	46	46	46	47	47
HUMBOLDT	147	147	147	147	148	148
IMPERIAL	226	231	236	241	245	250
INYO	31	31	31	31	31	31
KERN	1283	1297	1310	1323	1335	1348
KINGS	155	156	158	159	161	162
LAKE	170	171	172	174	175	176
LASSEN	47	47	47	47	48	48
LOS ANGELES	10717	10816	10914	11009	11103	11195
MADERA	221	224	226	228	230	232
MARIN	379	382	385	387	389	392
MARIPOSA	42	42	42	43	43	43
MENDOCINO	139	140	140	141	141	142
MERCED	307	310	314	317	320	323
MODOC	12	12	12	12	12	12
MONO	64	64	65	65	66	66
MONTEREY	518	520	522	524	526	527
NAPA	248	252	256	260	263	267
NEVADA	297	300	302	304	306	308
ORANGE	4995	5048	5100	5150	5200	5249
PLACER	847	859	870	882	893	904
PLUMAS	45	45	45	45	45	46
RIVERSIDE	4860	4971	5079	5184	5288	5390
SACRAMENTO	2170	2195	2219	2243	2266	2290
SAN BENITO	110	112	114	116	118	120
SAN BERNARDINO	4114	4190	4264	4337	4408	4478
SAN DIEGO	6540	6627	6713	6797	6880	6962
SAN FRANCISCO	1093	1094	1095	1096	1096	1097
SAN JOAQUIN	944	953	961	969	977	984
SAN LUIS OBISPO	528	530	533	534	536	537
SAN MATEO	899	902	904	906	908	910
SANTA BARBARA	594	595	595	595	595	595
SANTA CLARA	2605	2628	2650	2672	2693	2713
SANTA CRUZ	327	327	327	327	327	326
SHASTA	381	383	385	387	389	390
SIERRA	9	9	9	9	9	9
SISKIYOU	73	73	73	73	73	73
SOLANO	1087	1104	1122	1138	1155	1170
SONOMA	1029	1047	1063	1080	1095	1111
STANISLAUS	822	831	839	847	855	863
SUTTER	158	160	162	164	166	168
TEHAMA	88	89	89	90	90	90
TRINITY	24	24	24	24	24	24
TULARE	454	458	462	465	469	472
TUOLUMNE	184	185	186	187	189	190
VENTURA	1309	1323	1336	1348	1361	1373
YOLO	334	339	343	348	352	356
YUBA	76	77	78	78	79	80

**Table 16 - Lawn & Garden
Equipment, Commercial
(*000\$ Comm. Construction)**

	2018	2019	2020
CALIFORNIA	61918	62535	63152
ALAMEDA	1985	2002	2018
ALPINE	9	9	9
AMADOR	116	116	117
BUTTE	300	302	303
CALAVERAS	284	287	290
COLUSA	54	54	54
CONTRA COSTA	1987	2010	2033
DEL NORIE	64	65	65
EL DORADO	572	578	585
FRESNO	1306	1318	1329
GLENN	47	48	48
HUMBOLDT	148	148	147
IMPERIAL	254	259	263
INYO	32	32	32
KERN	1360	1372	1384
KINGS	163	164	166
LAKE	177	178	179
LASSEN	48	48	48
LOS ANGELES	11287	11378	11470
MADERA	234	236	238
MARIN	394	396	398
MARIPOSA	43	44	44
MENDOCINO	142	143	143
MERCED	326	329	332
MODOC	12	12	12
MONO	66	67	67
MONTEREY	528	529	530
NAPA	270	274	277
NEVADA	310	312	313
ORANGE	5298	5346	5394
PLACER	914	925	936
FLUMAS	46	46	46
RIVERSIDE	5490	5591	5692
SACRAMENTO	2313	2335	2358
SAN BENITO	122	123	125
SAN BERNARDINO	4547	4616	4685
SAN DIEGO	7043	7125	7206
SAN FRANCISCO	1098	1098	1099
SAN JOAQUIN	992	999	1007
SAN LUIS OBISPO	539	540	541
SAN MATEO	912	914	916
SANTA BARBARA	595	594	594
SANTA CLARA	2733	2753	2773
SANTA CRUZ	326	325	325
SHASTA	392	394	395
SIERRA	9	9	9
SISKIYOU	74	74	74
SOLANO	1186	1201	1217
SONOMA	1126	1141	1156
STANISLAUS	870	878	885
SUTTER	169	171	173
TEHAMA	90	91	91
TRINITY	24	24	24
TULARE	476	479	483
TUOLUMNE	191	192	193
VENTURA	1386	1398	1410
YOLO	360	364	368
YUBA	80	81	81

Table 17 - Lawn & Garden
Equipment, Residential ('000s of
Households)

	1970	1971	1972	1973	1974	1975
CALIFORNIA	6574.10	6732.46	6890.81	7047.28	7232.13	7517.10
ALAMEDA	365.10	371.79	378.47	385.98	391.13	399.00
ALPINE	0.20	0.20	0.20	0.22	0.24	0.30
AMADOR	4.00	4.27	4.55	4.84	5.17	5.60
BUTTE	34.90	36.35	37.79	39.25	40.97	44.30
CALAVERAS	4.70	4.96	5.22	5.39	5.64	6.00
COLUSA	4.10	4.14	4.18	4.23	4.31	4.40
CONTRA COSTA	173.00	178.14	183.28	187.89	193.82	202.50
DEL NORIE	4.70	4.87	5.03	5.09	5.28	5.50
EL DORADO	15.00	16.29	17.58	18.11	19.13	21.20
FRESNO	126.80	130.70	134.60	137.67	142.82	148.40
GLENN	5.70	5.86	6.02	6.20	6.35	6.70
HUMBOLDT	32.40	32.87	33.34	33.98	34.69	36.10
IMPERIAL	21.00	21.51	22.01	23.20	23.83	24.80
INYO	5.50	5.71	5.92	6.04	6.15	6.30
KERN	101.70	103.96	106.22	108.49	111.16	116.50
KINGS	18.30	18.98	19.67	20.27	20.88	21.40
LAKE	7.70	8.26	8.82	8.92	9.40	10.20
LASSEN	5.00	5.26	5.51	5.66	5.84	6.00
LOS ANGELES	2432.00	2446.41	2460.83	2479.83	2502.44	2541.60
MADERA	12.80	13.19	13.59	13.97	14.46	15.50
MARIN	67.60	69.12	70.65	72.88	74.19	78.70
MARIPOSA	2.20	2.38	2.55	2.57	2.72	3.20
MENDOCINO	16.50	17.01	17.51	18.12	18.77	20.10
MERCED	30.50	31.91	33.31	34.44	36.07	37.80
MODOC	2.50	2.60	2.70	2.80	2.85	2.90
MONO	1.40	1.67	1.95	2.38	2.53	2.80
MONTEREY	71.20	73.24	75.27	77.25	79.97	83.90
NAPA	25.10	26.17	27.24	28.30	29.49	31.00
NEVADA	9.60	10.00	10.40	10.93	11.45	12.90
ORANGE	436.10	462.62	489.15	514.88	544.73	582.30
PLACER	24.60	25.53	26.46	28.10	29.67	31.70
PLUMAS	4.10	4.25	4.41	4.64	4.90	5.30
RIVERSIDE	150.50	156.26	162.01	170.62	179.47	190.50
SACRAMENTO	203.00	210.01	217.02	224.61	232.36	246.20
SAN BENITO	5.50	5.63	5.75	5.92	6.12	6.40
SAN BERNARDINO	212.00	215.83	219.65	222.87	227.58	237.60
SAN DIEGO	423.50	447.69	471.87	486.51	511.40	545.00
SAN FRANCISCO	295.20	293.61	292.02	293.78	293.56	297.60
SAN JOAQUIN	92.40	94.52	96.64	98.86	101.27	104.50
SAN LUIS OBISPO	33.90	35.72	37.53	39.24	41.62	45.10
SAN MATEO	185.00	187.76	190.52	195.75	202.21	209.50
SANTA BARBARA	83.90	86.09	88.27	90.40	92.63	97.80
SANTA CLARA	322.90	338.36	353.82	365.53	379.24	398.20
SANTA CRUZ	44.40	46.75	49.11	51.10	53.14	57.80
SHASTA	25.30	26.13	26.95	27.86	29.21	31.60
SIERRA	0.90	1.25	1.60	0.98	1.01	1.10
SISKIYOU	11.30	11.58	11.86	12.10	12.41	13.00
SOLANO	51.10	51.83	52.57	54.49	55.91	61.00
SONOMA	67.90	71.45	74.99	78.41	82.67	89.20
STANISLAUS	62.10	64.43	66.76	68.51	70.81	76.20
SUTTER	13.20	13.63	14.06	14.45	14.79	15.60
TEHAMA	9.60	9.90	10.21	10.52	10.95	11.70
TRINITY	2.60	2.67	2.74	3.00	3.13	3.40
TULARE	56.50	58.20	59.90	61.78	63.85	66.80
TUOLUMNE	7.50	7.96	8.41	8.78	9.20	9.60
VENTURA	106.50	112.19	117.88	122.94	128.66	136.80
YOLO	28.30	29.46	30.63	32.04	33.82	35.40
YUBA	13.10	13.35	13.59	13.74	14.09	14.60

**Table 17 - Lawn & Garden
Equipment, Residential ('000s of
Households)**

	1976	1977	1978	1979	1980	1981
CALIFORNIA	7616.40	7822.20	8062.40	8294.30	8630.05	8752.38
ALAMEDA	402.20	409.80	414.30	417.80	426.09	429.75
ALPINE	0.30	0.30	0.30	0.40	0.39	0.41
AMADOR	5.70	6.00	6.30	6.70	7.47	7.66
BUTTE	46.00	48.40	50.80	53.20	56.90	58.95
CALAVERAS	6.00	6.30	6.70	7.00	8.00	8.48
COLUSA	4.50	4.60	4.60	4.80	4.69	4.78
CONTRA COSTA	205.80	212.30	220.60	228.30	241.51	245.76
DEL NORTE	5.50	5.90	6.10	6.40	6.79	6.93
EL DORADO	22.40	24.00	26.00	28.60	32.51	33.53
FRESNO	150.80	157.60	162.80	168.50	178.51	182.16
GLENN	6.80	7.00	7.20	7.40	7.71	7.95
HUMBOLDT	36.50	37.20	38.20	38.80	41.57	41.95
IMPERIAL	25.10	26.10	26.60	27.50	28.16	28.57
INYO	6.40	7.10	7.20	7.40	7.21	7.30
KERN	118.60	121.00	125.50	131.90	139.81	143.08
KINGS	21.70	22.40	22.70	23.20	23.50	23.90
LAKE	10.70	11.70	12.90	13.90	15.19	15.87
LASSEN	6.00	6.40	6.80	7.10	7.40	7.61
LOS ANGELES	2556.70	2594.80	2633.10	2666.50	2730.66	2750.97
MADERA	16.00	16.70	17.90	19.50	20.95	21.81
MARIN	80.40	82.90	84.20	85.10	88.73	89.49
MARIPOSA	3.50	3.70	3.80	4.10	4.13	4.22
MENDOCINO	20.60	21.00	21.90	23.00	25.05	25.66
MERCED	37.90	39.10	40.90	42.60	44.51	45.41
MODOC	2.90	3.10	3.20	3.40	3.20	3.25
MONO	2.90	3.10	3.20	3.20	3.45	3.60
MONTEREY	85.10	87.40	90.20	92.60	95.73	96.76
NAPA	31.70	32.60	33.30	34.20	36.62	36.86
NEVADA	13.50	14.50	16.30	18.20	20.01	21.17
ORANGE	592.80	612.60	639.90	662.80	686.29	697.45
PLACER	32.30	34.30	36.50	39.40	42.73	44.04
PLUMAS	5.60	6.00	6.40	7.10	6.64	7.00
RIVERSIDE	194.30	202.30	215.90	229.30	242.97	250.26
SACRAMENTO	251.80	259.70	272.60	285.20	299.81	307.22
SAN BENITO	6.60	6.90	7.30	7.50	7.88	8.11
SAN BERNARDINO	240.90	250.30	261.80	278.60	308.64	316.29
SAN DIEGO	555.40	577.70	606.80	633.00	670.09	681.45
SAN FRANCISCO	298.60	303.90	306.50	309.40	298.96	298.34
SAN JOAQUIN	105.40	108.90	113.70	118.20	124.63	126.98
SAN LUIS OBISPO	46.20	48.60	51.60	54.20	58.20	59.84
SAN MATEO	211.50	215.50	218.20	221.30	225.20	226.28
SANTA BARBARA	99.60	101.60	103.30	106.10	109.32	110.74
SANTA CLARA	402.00	413.20	427.40	438.00	458.52	463.40
SANTA CRUZ	60.00	62.20	64.40	66.80	71.79	72.91
SHASTA	33.10	35.60	39.00	41.70	43.01	44.09
SIERRA	1.20	1.20	1.30	1.30	1.27	1.27
SISKIYOU	13.30	13.90	14.60	15.10	15.12	15.56
SOLANO	63.80	66.60	70.50	74.60	80.43	82.39
SONOMA	91.80	96.10	100.30	104.80	114.48	116.65
STANISLAUS	78.80	82.20	86.10	89.80	94.68	96.43
SUTTER	15.90	16.40	17.50	18.00	18.81	19.26
TEHAMA	12.10	12.50	13.00	13.80	14.54	15.06
TRINITY	3.60	3.80	3.90	4.20	4.50	4.62
TULARE	67.60	69.40	72.30	75.90	80.65	82.28
TUOLUMNE	9.80	10.20	10.90	11.80	12.87	13.29
VENTURA	139.70	145.80	153.40	159.80	172.78	177.56
YOLO	35.70	36.60	38.10	39.20	41.30	41.97
YUBA	14.80	15.20	15.60	16.10	17.50	17.84

Table 17 - Lawn & Garden
Equipment, Residential ('000s of
Households)

	1982	1983	1984	1985	1986	1987
CALIFORNIA	8880.27	8961.58	9068.89	9229.43	9435.63	9663.20
ALAMEDA	432.75	434.75	438.54	444.50	452.12	458.02
ALPINE	0.43	0.43	0.44	0.45	0.46	0.46
AMADOR	8.02	8.19	8.39	8.62	8.87	9.23
BUTTE	60.56	61.35	62.23	63.80	65.38	66.50
CALAVERAS	8.95	9.32	9.66	10.01	10.39	10.82
COLUSA	4.94	5.01	5.13	5.24	5.34	5.42
CONTRA COSTA	249.89	252.25	254.59	259.85	266.52	273.51
DEL NORTE	6.97	7.05	7.08	7.12	7.15	7.15
EL DORADO	34.89	35.19	35.93	37.09	38.39	40.04
FRESNO	184.89	186.71	189.06	193.97	199.97	205.84
GLENN	8.01	8.04	8.19	8.28	8.41	8.51
HUMBOLDT	42.22	42.51	42.80	43.24	43.83	44.29
IMPERIAL	28.96	28.92	29.15	29.43	29.96	30.38
INYO	7.45	7.47	7.53	7.58	7.54	7.50
KERN	147.28	150.48	154.24	159.22	164.81	168.11
KINGS	24.44	25.05	25.55	26.58	26.95	27.28
LAKE	16.65	17.20	18.06	18.67	19.20	19.59
LASSEN	7.80	7.96	8.03	8.12	8.23	8.36
LOS ANGELES	2770.17	2786.89	2801.79	2825.76	2856.37	2894.25
MADERA	22.41	22.95	23.54	24.08	24.78	25.49
MARIN	89.97	90.11	90.45	90.83	91.71	92.54
MARIPOSA	4.35	4.51	4.64	4.76	4.89	5.01
MENDOCINO	26.27	26.59	27.08	27.38	27.95	28.41
MERCED	45.89	46.82	47.81	48.67	49.69	50.78
MODOC	3.36	3.60	3.63	3.68	3.66	3.64
MONO	3.83	3.94	3.90	3.71	3.76	3.69
MONTEREY	98.10	98.63	100.13	101.78	103.49	105.80
NAPA	37.08	37.18	37.67	38.39	38.66	39.08
NEVADA	22.54	23.35	24.23	24.79	25.33	26.80
ORANGE	709.37	715.82	724.23	736.50	751.27	768.52
PLACER	45.62	46.62	47.83	49.61	52.15	54.73
PLUMAS	7.22	7.28	7.34	7.46	7.69	7.79
RIVERSIDE	259.35	263.36	272.38	283.20	297.49	316.56
SACRAMENTO	313.67	317.28	323.33	332.49	344.07	356.84
SAN BENITO	8.39	8.68	8.92	9.23	9.67	10.09
SAN BERNARDINO	325.08	331.59	339.38	351.72	368.21	391.84
SAN DIEGO	692.57	699.40	710.01	729.62	762.31	795.17
SAN FRANCISCO	299.38	299.95	301.03	302.02	305.17	305.14
SAN JOAQUIN	129.63	132.15	135.61	140.97	144.86	147.70
SAN LUIS OBISPO	61.74	62.85	64.17	66.28	69.24	72.28
SAN MATEO	227.91	228.89	230.05	230.88	232.19	233.93
SANTA BARBARA	113.01	114.63	116.44	118.54	121.38	124.24
SANTA CLARA	469.22	472.04	476.20	483.86	490.66	499.30
SANTA CRUZ	74.40	75.36	76.42	78.06	79.49	80.82
SHASTA	45.23	45.69	46.83	47.70	48.91	50.33
SIERRA	1.31	1.34	1.33	1.33	1.33	1.34
SISKIYOU	15.91	16.03	16.25	16.52	16.74	16.80
SOLANO	84.72	86.02	87.55	89.53	92.10	98.56
SONOMA	118.98	120.26	122.22	126.60	130.56	135.52
STANISLAUS	98.07	98.68	100.30	102.23	106.27	109.93
SUTTER	19.71	19.99	20.30	20.70	20.98	21.43
TEHAMA	15.46	15.92	16.27	16.66	17.04	17.63
TRINITY	4.69	4.71	4.83	4.89	4.90	4.91
TULARE	83.61	84.39	86.14	87.58	89.70	91.47
TUOLUMNE	13.82	14.23	14.39	14.83	15.37	15.90
VENTURA	182.13	184.53	186.92	191.09	196.33	201.30
YOLO	42.84	43.08	44.23	45.09	46.69	47.54
YUBA	18.17	18.41	18.56	18.68	19.06	19.11

**Table 17 - Lawn & Garden
Equipment, Residential ('000s of
Households)**

	1988	1989	1990	1991	1992	1993
CALIFORNIA	9913.08	10138.87	10381.21	10529.00	10659.82	10762.94
ALAMEDA	466.00	472.12	479.52	482.61	483.06	485.60
ALPINE	0.44	0.44	0.45	0.46	0.47	0.49
AMADOR	9.62	10.03	10.52	10.72	11.13	11.41
BUTTE	67.85	69.31	71.67	73.28	75.17	76.63
CALAVERAS	11.32	12.05	12.65	13.14	13.68	14.10
COLUSA	5.48	5.55	5.61	5.67	5.78	5.92
CONTRA COSTA	282.67	289.90	300.29	305.16	309.68	314.93
DEL NORTE	7.26	7.65	7.99	8.20	8.52	8.62
EL DORADO	41.99	44.35	46.85	48.60	50.18	51.44
FRESNO	210.78	215.45	220.93	226.03	231.38	235.48
GLENN	8.62	8.74	8.82	8.90	9.02	9.18
HUMBOLDT	44.81	45.43	46.42	47.03	47.74	48.51
IMPERIAL	31.14	31.79	32.84	33.64	34.89	36.02
INYO	7.51	7.47	7.57	7.75	7.69	7.78
KERN	172.57	176.49	181.48	185.75	189.74	193.85
KINGS	28.02	28.49	29.08	29.49	30.09	30.69
LAKE	19.99	20.31	20.81	21.31	21.84	22.37
LASSEN	8.53	8.64	8.54	8.76	8.93	9.03
LOS ANGELES	2943.63	2979.60	2989.55	3014.41	3033.54	3040.29
MADERA	26.20	27.01	28.37	29.36	30.62	31.60
MARIN	93.22	94.23	95.01	95.75	96.62	97.09
MARIPOSA	5.13	5.26	5.60	5.78	6.04	6.20
MENDOCINO	28.76	29.47	30.42	30.91	31.37	31.86
MERCED	52.15	53.44	55.33	56.71	57.65	58.80
MODOC	3.62	3.63	3.71	3.76	3.83	3.85
MONO	3.70	3.74	3.96	3.96	4.05	4.23
MONTREY	107.64	109.61	112.97	114.13	115.19	116.08
NAPA	39.67	40.06	41.31	41.98	42.57	43.33
NEVADA	28.35	29.37	30.76	31.67	32.74	33.39
ORANGE	789.54	807.96	827.07	836.68	846.09	853.46
PLACER	57.43	60.49	64.10	66.71	69.36	71.81
PLUMAS	7.97	8.03	8.13	8.27	8.51	8.65
RIVERSIDE	335.88	363.31	402.07	417.78	428.40	438.55
SACRAMENTO	368.52	379.69	394.53	405.23	411.82	417.53
SAN BENITO	10.52	10.94	11.42	11.68	11.88	12.23
SAN BERNARDINO	417.02	439.95	464.74	475.90	487.54	494.48
SAN DIEGO	830.03	858.31	887.40	898.89	911.18	919.79
SAN FRANCISCO	304.87	304.76	305.58	307.19	309.38	310.22
SAN JOAQUIN	151.11	154.06	158.16	160.63	162.78	165.30
SAN LUIS OBISPO	74.85	77.42	80.28	81.52	82.51	83.32
SAN MATEO	237.02	239.14	241.91	243.34	244.32	245.66
SANTA BARBARA	126.20	127.60	129.80	130.71	132.07	132.89
SANTA CLARA	507.32	514.16	520.18	523.23	527.66	531.59
SANTA CRUZ	82.05	83.11	83.57	84.05	84.68	85.56
SHASTA	51.71	53.49	55.97	57.45	59.20	60.12
SIERRA	1.34	1.34	1.34	1.34	1.34	1.36
SISKIYOU	16.80	16.99	17.31	17.49	17.68	17.88
SOLANO	102.26	107.05	113.43	116.18	118.08	119.70
SONOMA	140.36	144.33	149.01	152.06	154.91	157.57
STANISLAUS	113.44	118.35	125.38	129.15	131.59	133.94
SUTTER	21.97	22.40	23.11	23.74	24.67	25.41
TEHAMA	17.94	18.29	18.70	19.12	19.60	19.98
TRINITY	4.90	4.94	5.16	5.21	5.26	5.31
TULARE	93.40	94.92	97.86	99.60	101.49	103.45
TUOLUMNE	16.48	17.06	17.96	18.49	19.02	19.45
VENTURA	207.61	211.89	217.30	220.20	222.16	224.38
YOLO	48.78	49.80	50.97	51.96	52.98	53.74
YUBA	19.11	19.49	19.78	20.30	20.52	20.88

**Table 17 - Lawn & Garden
Equipment, Residential ('000s of
Households)**

	1994	1995	1996	1997	1998	1999
CALIFORNIA	10912.22	11082.18	11273.66	11478.29	11687.35	11894.27
ALAMEDA	490.75	495.82	501.63	507.87	514.24	520.51
ALPINE	0.49	0.50	0.51	0.52	0.53	0.55
AMADOR	11.80	12.17	12.59	13.02	13.47	13.93
BUTTE	77.87	79.44	81.16	82.98	84.84	86.71
CALAVERAS	14.78	15.41	16.10	16.83	17.58	18.34
COLUSA	6.11	6.25	6.41	6.57	6.74	6.91
CONTRA COSTA	320.22	326.09	332.81	340.01	347.35	354.54
DEL NORTE	8.94	9.30	9.70	10.12	10.56	11.00
EL DORADO	52.60	53.99	55.52	57.15	58.82	60.48
FRESNO	242.49	250.03	258.20	266.81	275.67	284.61
GLENN	9.37	9.56	9.77	9.99	10.21	10.44
HUMBOLDT	49.01	49.71	50.48	51.30	52.14	52.97
IMPERIAL	36.12	37.23	38.50	39.86	41.25	42.60
INYO	7.72	7.82	7.94	8.05	8.18	8.30
KERN	201.00	207.96	215.53	223.51	231.74	240.03
KINGS	31.25	32.14	33.10	34.11	35.15	36.20
LAKE	22.90	23.48	24.13	24.83	25.54	26.25
LASSEN	9.25	9.49	9.75	10.03	10.31	10.59
LOS ANGELES	3064.04	3087.08	3113.94	3143.03	3172.64	3201.71
MADERA	32.55	33.72	35.00	36.35	37.73	39.13
MARIN	97.73	98.66	99.72	100.86	102.03	103.17
MARIPOSA	6.42	6.60	6.80	7.01	7.22	7.44
MENDOCINO	32.49	33.06	33.68	34.34	35.01	35.68
MERCED	59.85	61.43	63.14	64.94	66.79	68.66
MODOC	3.89	3.95	4.02	4.09	4.17	4.24
MONO	4.07	4.15	4.22	4.31	4.39	4.48
MONTEREY	117.51	119.24	121.19	123.26	125.38	127.49
NAPA	43.68	44.22	44.83	45.49	46.17	46.83
NEVADA	34.42	35.39	36.44	37.56	38.71	39.87
ORANGE	856.22	864.12	873.29	883.21	893.30	903.18
PLACER	73.32	75.29	77.46	79.77	82.13	84.49
PLUMAS	8.80	8.92	9.05	9.18	9.32	9.46
RIVERSIDE	450.57	465.17	481.93	499.92	518.20	535.97
SACRAMENTO	424.28	432.05	440.63	449.73	459.06	468.39
SAN BENITO	12.86	13.49	14.18	14.89	15.62	16.35
SAN BERNARDINO	504.70	515.99	528.98	542.93	557.12	570.92
SAN DIEGO	938.28	958.66	981.10	1004.88	1029.27	1053.69
SAN FRANCISCO	309.87	311.44	313.25	315.21	317.22	319.21
SAN JOAQUIN	169.38	173.45	177.84	182.46	187.19	191.97
SAN LUIS OBISPO	84.62	86.16	87.90	89.76	91.66	93.53
SAN MATEO	247.49	249.77	252.38	255.19	258.06	260.89
SANTA BARBARA	134.54	136.52	138.77	141.18	143.64	146.08
SANTA CLARA	537.04	543.61	551.15	559.24	567.49	575.60
SANTA CRUZ	86.68	87.75	88.96	90.26	91.59	92.91
SHASTA	61.73	63.26	64.94	66.72	68.55	70.39
SIERRA	1.34	1.35	1.35	1.36	1.36	1.37
SISKIYOU	18.09	18.32	18.57	18.83	19.10	19.37
SOLANO	125.08	129.60	134.75	140.28	145.91	151.41
SONOMA	159.92	162.75	165.98	169.45	172.99	176.45
STANISLAUS	138.02	142.09	146.48	151.12	155.89	160.70
SUTTER	26.07	26.80	27.61	28.47	29.35	30.23
TEHAMA	20.26	20.71	21.19	21.71	22.24	22.77
TRINITY	5.37	5.45	5.53	5.61	5.70	5.79
TULARE	105.59	108.38	111.39	114.56	117.81	121.10
TUOLUMNE	19.96	20.50	21.09	21.71	22.36	23.00
VENTURA	225.80	227.77	230.06	232.53	235.05	237.52
YOLO	55.65	57.03	58.56	60.19	61.85	63.51
YUBA	21.39	21.91	22.49	23.10	23.73	24.35

**Table 17 - Lawn & Garden
Equipment, Residential ('000s of
Households)**

	2000	2001	2002	2003	2004	2005
CALIFORNIA	12096.87	12294.72	12487.58	12676.34	12861.26	13089.80
ALAMEDA	526.59	533.34	540.77	547.96	554.93	563.71
ALPINE	0.56	0.57	0.58	0.59	0.60	0.62
AMADOR	14.38	14.86	15.37	15.88	16.38	16.95
BUTTE	88.57	90.40	92.20	93.99	95.77	97.89
CALAVERAS	19.10	19.89	20.70	21.52	22.34	23.23
COLUSA	7.08	7.26	7.45	7.63	7.82	8.03
CONTRA COSTA	361.51	368.60	375.77	382.72	389.47	397.43
DEL NORTE	11.43	11.83	12.20	12.57	12.94	13.35
EL DORADO	62.13	63.69	65.15	66.59	68.03	69.71
FRESNO	293.58	302.65	311.82	321.01	330.23	340.69
GLENN	10.66	10.91	11.18	11.45	11.72	12.03
HUMBOLDT	53.80	54.54	55.19	55.83	56.47	57.31
IMPERIAL	43.90	45.15	46.35	47.51	48.63	49.88
INYO	8.42	8.56	8.70	8.85	8.99	9.17
KERN	248.35	256.31	263.89	271.48	279.09	287.75
KINGS	37.26	38.31	39.35	40.39	41.44	42.64
LAKE	26.96	27.69	28.46	29.21	29.96	30.81
LASSEN	10.88	11.11	11.29	11.46	11.63	11.85
LOS ANGELES	3229.66	3256.36	3281.92	3306.37	3329.79	3364.50
MADERA	40.53	41.83	43.01	44.20	45.39	46.75
MARIN	104.29	105.34	106.32	107.28	108.20	109.49
MARIPOSA	7.65	7.86	8.05	8.24	8.43	8.65
MENDOCINO	36.35	37.07	37.83	38.59	39.34	40.23
MERCED	70.53	72.57	74.79	77.01	79.23	81.76
MODOC	4.32	4.39	4.45	4.52	4.58	4.67
MONO	4.56	4.66	4.78	4.90	5.02	5.16
MONTEREY	129.55	131.80	134.23	136.60	138.93	141.73
NAPA	47.47	48.33	49.41	50.45	51.47	52.64
NEVADA	41.02	42.15	43.25	44.35	45.45	46.72
ORANGE	912.69	921.80	930.51	938.86	946.88	958.06
PLACER	86.83	89.16	91.49	93.81	96.10	98.73
PLUMAS	9.60	9.72	9.84	9.95	10.06	10.21
RIVERSIDE	553.12	569.65	585.45	600.71	615.46	631.89
SACRAMENTO	477.65	486.84	495.97	505.02	513.99	524.79
SAN BENITO	17.07	17.82	18.61	19.40	20.17	21.02
SAN BERNARDINO	584.24	597.06	609.32	621.14	632.55	645.84
SAN DIEGO	1077.93	1101.96	1125.75	1149.37	1172.83	1200.49
SAN FRANCISCO	321.13	322.44	323.15	323.83	324.46	326.28
SAN JOAQUIN	196.77	201.77	206.98	212.20	217.42	223.47
SAN LUIS OBISPO	95.37	97.18	98.96	100.70	102.41	104.46
SAN MATEO	263.63	265.56	266.71	267.82	268.87	270.89
SANTA BARBARA	148.46	150.59	152.46	154.29	156.08	158.41
SANTA CLARA	583.46	590.93	598.03	604.89	611.54	620.23
SANTA CRUZ	94.20	95.37	96.42	97.45	98.46	99.80
SHASTA	72.21	73.85	75.32	76.77	78.22	79.95
SIERRA	1.38	1.39	1.40	1.42	1.44	1.46
SISKIYOU	19.63	19.91	20.20	20.49	20.78	21.14
SOLANO	156.74	161.24	164.89	168.42	171.86	175.82
SONOMA	179.81	183.64	187.90	192.04	196.06	200.67
STANISLAUS	165.53	170.42	175.37	180.33	185.31	190.98
SUTTER	31.11	32.15	33.36	34.55	35.75	37.07
TEHAMA	23.30	23.76	24.16	24.56	24.95	25.44
TRINITY	5.87	5.96	6.05	6.14	6.23	6.34
TULARE	124.39	127.64	130.85	134.06	137.28	141.01
TUOLUMNE	23.65	24.27	24.87	25.47	26.07	26.77
VENTURA	239.89	242.16	244.34	246.42	248.42	251.25
YOLO	65.15	66.79	68.41	70.02	71.62	73.47
YUBA	24.98	25.64	26.34	27.03	27.72	28.51

Table 17 - Lawn & Garden
Equipment, Residential ('000s of
Households)

	2006	2007	2008	2009	2010	2011
CALIFORNIA	13363.35	13588.57	13765.69	13941.11	14113.58	14282.28
ALAMEDA	575.07	584.25	591.33	598.32	605.14	612.72
ALPINE	0.63	0.63	0.64	0.64	0.65	0.65
AMADOR	17.36	17.69	17.95	18.21	18.46	18.77
BUTTE	99.36	100.47	101.22	101.95	102.65	103.71
CALAVERAS	23.90	24.45	24.90	25.34	25.78	26.28
COLUSA	8.19	8.31	8.41	8.50	8.59	8.70
CONTRA COSTA	406.88	414.50	420.63	426.65	432.50	439.34
DEL NORTE	13.66	13.90	14.09	14.28	14.46	14.72
EL DORADO	71.39	72.83	74.01	75.19	76.35	77.37
FRESNO	347.99	353.98	358.71	363.39	367.97	372.70
GLENN	12.25	12.43	12.56	12.69	12.81	12.98
HUMBOLDT	57.83	58.16	58.27	58.38	58.47	58.92
IMPERIAL	51.61	53.23	54.65	56.07	57.47	58.78
INYO	9.28	9.36	9.40	9.44	9.48	9.56
KERN	293.76	298.68	302.53	306.34	310.08	313.95
KINGS	43.46	44.12	44.63	45.13	45.62	46.13
LAKE	31.44	31.94	32.31	32.67	33.02	33.55
LASSEN	11.98	12.07	12.12	12.16	12.20	12.29
LOS ANGELES	3427.54	3477.20	3514.60	3551.77	3588.50	3619.84
MADERA	47.68	48.44	49.03	49.61	50.18	50.77
MARIN	111.36	112.87	113.98	115.08	116.16	117.28
MARIPOSA	8.80	8.91	8.99	9.07	9.15	9.26
MENDOCINO	40.86	41.33	41.64	41.94	42.23	42.76
MERCED	83.52	84.97	86.12	87.25	88.36	89.51
MODOC	4.71	4.75	4.76	4.78	4.79	4.83
MONO	5.26	5.33	5.38	5.44	5.49	5.56
MONTEREY	143.89	145.48	146.53	147.52	148.44	150.42
NAPA	53.98	55.07	55.95	56.82	57.66	58.67
NEVADA	47.58	48.26	48.76	49.24	49.72	50.36
ORANGE	977.40	993.07	1005.25	1017.35	1029.30	1039.71
PLACER	101.39	103.72	105.69	107.64	109.57	111.23
PLUMAS	10.29	10.33	10.34	10.35	10.36	10.41
RIVERSIDE	654.44	675.49	694.23	712.84	731.18	748.43
SACRAMENTO	535.51	544.26	551.10	557.90	564.61	570.73
SAN BENITO	21.76	22.42	23.00	23.56	24.10	24.82
SAN BERNARDINO	665.10	682.47	697.48	712.38	727.08	740.69
SAN DIEGO	1228.46	1252.10	1271.39	1290.61	1309.62	1325.28
SAN FRANCISCO	330.18	333.36	335.37	337.38	339.40	341.01
SAN JOAQUIN	227.52	230.78	233.22	235.63	237.99	240.50
SAN LUIS OBISPO	106.04	107.21	107.97	108.69	109.36	110.81
SAN MATEO	274.54	277.52	279.51	281.49	283.47	285.24
SANTA BARBARA	160.07	161.12	161.57	161.97	162.33	163.86
SANTA CLARA	631.93	641.39	648.56	655.63	662.56	670.07
SANTA CRUZ	100.72	101.27	101.43	101.57	101.68	102.52
SHASTA	81.15	82.05	82.66	83.25	83.82	84.68
SIERRA	1.47	1.47	1.48	1.48	1.48	1.48
SISKIYOU	21.35	21.49	21.56	21.62	21.68	21.82
SOLANO	180.35	184.00	186.99	189.92	192.77	196.16
SONOMA	205.92	210.15	213.62	217.03	220.34	224.29
STANISLAUS	194.90	198.10	200.60	203.07	205.49	208.00
SUTTER	38.10	38.95	39.65	40.34	41.01	41.81
TEHAMA	25.76	25.99	26.13	26.26	26.39	26.62
TRINITY	6.41	6.45	6.48	6.50	6.52	6.56
TULARE	143.49	145.48	146.96	148.41	149.84	151.36
TUOLUMNE	27.24	27.60	27.86	28.12	28.37	28.72
VENTURA	256.22	260.21	263.28	266.34	269.36	271.97
YOLO	75.33	76.94	78.29	79.62	80.93	82.07
YUBA	29.09	29.56	29.91	30.26	30.60	31.04

**Table 17 - Lawn & Garden
Equipment, Residential ('000s of
Households)**

	2012	2013	2014	2015	2016	2017
CALIFORNIA	14446.39	14605.53	14760.23	14911.16	15058.54	15202.81
ALAMEDA	619.36	625.76	631.94	637.93	643.74	649.40
ALPINE	0.66	0.66	0.67	0.67	0.67	0.68
AMADOR	19.00	19.21	19.41	19.60	19.79	19.96
BUTTE	104.35	104.96	105.53	106.07	106.59	107.07
CALAVERAS	26.67	27.03	27.38	27.71	28.03	28.33
COLUSA	8.79	8.86	8.93	9.00	9.07	9.13
CONTRA COSTA	445.94	452.30	458.45	464.42	470.22	475.86
DEL NORTE	14.88	15.02	15.16	15.29	15.40	15.51
EL DORADO	78.41	79.43	80.43	81.40	82.36	83.30
FRESNO	377.00	381.16	385.19	389.10	392.91	396.63
GLENN	13.09	13.20	13.30	13.40	13.49	13.58
HUMBOLDT	58.99	59.05	59.09	59.12	59.13	59.14
IMPERIAL	60.14	61.47	62.76	64.03	65.28	66.50
INYO	9.60	9.64	9.67	9.70	9.73	9.76
KERN	317.46	320.86	324.15	327.35	330.47	333.50
KINGS	46.60	47.05	47.48	47.91	48.32	48.72
LAKE	33.85	34.13	34.39	34.63	34.86	35.06
LASSEN	12.34	12.37	12.41	12.44	12.48	12.51
LOS ANGELES	3654.66	3688.65	3721.88	3754.47	3786.46	3817.97
MADERA	51.31	51.83	52.34	52.83	53.31	53.77
MARIN	118.13	118.94	119.71	120.47	121.20	121.91
MARIPOSA	9.33	9.40	9.46	9.52	9.58	9.63
MENDOCINO	43.01	43.24	43.44	43.63	43.80	43.96
MERCED	90.55	91.56	92.53	93.48	94.41	95.31
MODOC	4.84	4.85	4.87	4.88	4.89	4.90
MONO	5.60	5.65	5.69	5.73	5.77	5.80
MONTEREY	151.20	151.89	152.50	153.04	153.50	153.91
NAPA	59.67	60.63	61.56	62.47	63.35	64.20
NEVADA	50.79	51.19	51.57	51.94	52.28	52.61
ORANGE	1051.10	1062.22	1073.09	1083.74	1094.20	1104.49
PLACER	112.86	114.44	115.99	117.51	118.99	120.45
PLUMAS	10.43	10.44	10.45	10.45	10.46	10.47
RIVERSIDE	766.33	783.74	800.74	817.40	833.74	849.77
SACRAMENTO	577.55	584.21	590.71	597.09	603.35	609.51
SAN BENITO	25.33	25.82	26.30	26.76	27.20	27.62
SAN BERNARDINO	754.96	768.86	782.42	795.72	808.77	821.57
SAN DIEGO	1343.63	1361.58	1379.19	1396.52	1413.57	1430.40
SAN FRANCISCO	341.32	341.60	341.86	342.09	342.30	342.50
SAN JOAQUIN	242.77	244.96	247.08	249.14	251.14	253.09
SAN LUIS OBISPO	111.38	111.88	112.33	112.72	113.05	113.34
SAN MATEO	286.05	286.81	287.54	288.24	288.90	289.55
SANTA BARBARA	164.09	164.25	164.35	164.40	164.39	164.34
SANTA CLARA	676.32	682.34	688.15	693.77	699.22	704.52
SANTA CRUZ	102.56	102.55	102.51	102.44	102.33	102.20
SHASTA	85.20	85.69	86.16	86.60	87.01	87.41
SIERRA	1.49	1.49	1.49	1.49	1.49	1.49
SISKIYOU	21.89	21.94	21.99	22.04	22.08	22.12
SOLANO	199.55	202.82	205.98	209.05	212.03	214.94
SONOMA	228.26	232.09	235.79	239.39	242.89	246.29
STANISLAUS	210.28	212.49	214.62	216.70	218.72	220.69
SUTTER	42.42	42.99	43.55	44.08	44.58	45.07
TEHAMA	26.74	26.85	26.96	27.05	27.15	27.23
TRINITY	6.58	6.60	6.62	6.64	6.65	6.67
TULARE	152.73	154.06	155.35	156.60	157.81	158.99
TUOLUMNE	28.94	29.15	29.36	29.55	29.73	29.90
VENTURA	274.85	277.65	280.39	283.08	285.72	288.32
YOLO	83.22	84.35	85.44	86.51	87.56	88.59
YUBA	31.34	31.64	31.91	32.18	32.43	32.67

**Table 17 - Lawn & Garden
Equipment, Residential ('000s of
Households)**

	2018	2019	2020
CALIFORNIA	15345.30	15487.15	15628.92
ALAMEDA	654.95	660.46	665.95
ALPINE	0.68	0.68	0.68
AMADOR	20.14	20.31	20.47
BUTTE	107.54	108.00	108.46
CALAVERAS	28.63	28.92	29.21
COLUSA	9.19	9.26	9.31
CONTRA COSTA	481.41	486.93	492.41
DEL NORIE	15.62	15.72	15.81
EL DORADO	84.23	85.15	86.08
FRESNO	400.30	403.94	407.57
GLENN	13.66	13.75	13.83
HUMBOLDT	59.14	59.13	59.12
IMPERIAL	67.71	68.92	70.13
INYO	9.79	9.81	9.84
KERN	336.50	339.47	342.44
KINGS	49.11	49.51	49.90
LAKE	35.26	35.44	35.62
LASSEN	12.53	12.56	12.59
LOS ANGELES	3849.21	3880.35	3911.59
MADERA	54.23	54.68	55.14
MARIN	122.60	123.29	123.97
MARIPOSA	9.68	9.74	9.79
MENDOCINO	44.10	44.24	44.37
MERCED	96.20	97.08	97.96
MODOC	4.91	4.92	4.92
MONO	5.84	5.87	5.90
MONTEREY	154.26	154.59	154.88
NAPA	65.04	65.88	66.71
NEVADA	52.93	53.25	53.56
ORANGE	1114.69	1124.86	1135.07
PLACER	121.89	123.33	124.77
PLUMAS	10.47	10.47	10.48
RIVERSIDE	865.65	881.54	897.42
SACRAMENTO	615.61	621.71	627.81
SAN BENITO	28.03	28.44	28.83
SAN BERNARDINO	834.27	846.95	859.64
SAN DIEGO	1447.12	1463.84	1480.62
SAN FRANCISCO	342.69	342.86	343.04
SAN JOAQUIN	255.01	256.92	258.83
SAN LUIS OBISPO	113.60	113.84	114.05
SAN MATEO	290.17	290.78	291.40
SANTA BARBARA	164.25	164.13	164.00
SANTA CLARA	709.72	714.88	720.02
SANTA CRUZ	102.04	101.88	101.70
SHASTA	87.79	88.16	88.53
SIERRA	1.49	1.49	1.49
SISKIYOU	22.16	22.20	22.23
SOLANO	217.79	220.63	223.46
SONOMA	249.64	252.97	256.28
STANISLAUS	222.63	224.56	226.49
SUTTER	45.55	46.01	46.48
TEHAMA	27.32	27.40	27.48
TRINITY	6.68	6.69	6.70
TULARE	160.16	161.31	162.47
TUOLUMNE	30.07	30.24	30.40
VENTURA	290.89	293.46	296.03
YOLO	89.61	90.63	91.65
YUBA	32.91	33.14	33.37

Table 18 - Non-farm
Equipment, Gasoline
(Employment)

	1970	1971	1972	1973	1974	1975
CALIFORNIA	184153	193590	204499	217866	235025	252713
ALAMEDA	14890	15202	15602	16054	16591	17305
ALPINE	2	2	2	2	3	3
AMADOR	162	166	172	178	185	192
BUTTE	522	637	759	904	1082	1259
CALAVERAS	31	41	51	66	84	110
COLUSA	117	116	116	115	114	116
CONTRA COSTA	5379	5596	5852	6159	6532	6912
DEL NORTE	145	145	146	147	147	148
EL DORADO	545	562	583	606	634	667
FRESNO	3963	4232	4536	4922	5398	5874
GLENN	127	135	145	157	172	186
HUMBOLDT	1044	1060	1083	1111	1149	1186
IMPERIAL	598	616	638	663	694	728
INYO	291	309	329	359	403	448
KERN	5243	5545	5890	6306	6817	7388
KINGS	347	364	384	409	440	471
LAKE	38	40	42	68	101	137
LASSEN	45	49	52	56	64	97
LOS ANGELES	64751	67507	70739	74588	79712	84817
MADERA	159	189	221	261	311	364
MARIN	1179	1217	1263	1317	1385	1456
MARIPOSA	4	8	12	19	27	35
MENDOCINO	294	315	338	366	402	438
MERCED	690	734	784	844	918	992
MODOC	2	19	37	58	81	104
MONO	13	14	15	39	72	106
MONTEREY	2162	2198	2245	2299	2360	2421
NAPA	409	439	473	513	565	620
NEVADA	169	190	214	247	296	348
ORANGE	6110	7436	8877	10717	13150	15588
PLACER	393	465	544	639	764	900
PLUMAS	115	113	112	112	122	135
RIVERSIDE	2858	2975	3123	3375	3742	4117
SACRAMENTO	4516	4873	5273	5761	6379	7001
SAN BENITO	97	106	117	130	146	165
SAN BERNARDINO	3098	3472	3891	4435	5139	5845
SAN DIEGO	9450	10233	11109	12179	13502	14844
SAN FRANCISCO	21452	21065	20756	20313	19760	19302
SAN JOAQUIN	2675	2825	2997	3204	3458	3718
SAN LUIS OBISPO	1076	1159	1254	1369	1513	1657
SAN MATEO	9930	10267	10671	11145	11720	12295
SANTA BARBARA	1365	1521	1693	1921	2208	2495
SANTA CLARA	7114	7685	8326	9115	10097	11090
SANTA CRUZ	839	929	1028	1148	1295	1441
SHASTA	613	724	844	988	1163	1338
SIERRA	10	10	9	8	11	14
SISKIYOU	325	347	373	400	432	464
SOLANO	963	1075	1199	1368	1584	1801
SONOMA	1397	1559	1738	1953	2220	2510
STANISLAUS	1592	1740	1905	2106	2355	2604
SUTTER	231	262	295	336	388	446
TEHAMA	51	72	95	123	158	194
TRINITY	46	45	45	48	52	57
TULARE	1405	1484	1576	1686	1821	1969
TUOLUMNE	331	340	351	364	379	395
VENTURA	1745	2035	2352	2743	3230	3718
YOLO	678	755	841	946	1077	1239
YUBA	357	370	386	403	421	442

**Table 18 - Non-farm
Equipment, Gasoline
(Employment)**

	1976	1977	1978	1979	1980	1981
CALIFORNIA	271211	289704	308198	326698	345203	345255
ALAMEDA	18046	18784	19521	20257	20991	20647
ALPINE	4	4	4	5	5	5
AMADOR	197	201	206	211	215	212
BUTTE	1337	1414	1491	1568	1645	1666
CALAVERAS	172	234	296	359	421	407
COLUSA	120	124	128	133	137	133
CONTRA COSTA	7296	7679	8062	8445	8827	8932
DEL NORIE	150	152	155	157	159	148
EL DORADO	721	776	830	885	939	927
FRESNO	6360	6846	7332	7819	8306	8027
GLENN	223	259	296	332	369	345
HUMBOLDT	1368	1551	1733	1916	2100	1981
IMPERIAL	768	809	849	889	930	953
INYO	492	536	580	624	669	614
KERN	8022	8656	9291	9927	10562	11055
KINGS	502	533	565	596	627	616
LAKE	181	226	271	316	361	391
LASSEN	132	167	203	238	274	262
LOS ANGELES	89914	95005	100094	105181	110268	108023
MADERA	420	475	531	587	642	635
MARIN	1532	1607	1683	1758	1834	1944
MARIPOSA	44	53	61	70	79	84
MENDOCINO	472	506	541	575	609	621
MERCED	1067	1142	1217	1292	1367	1334
MODOC	97	90	83	77	70	64
MONO	139	173	207	241	275	261
MONTIEREY	2475	2528	2581	2634	2687	2640
NAPA	674	728	782	836	891	891
NEVADA	397	445	494	542	591	588
ORANGE	18046	20508	22975	25445	27918	28451
PLACER	1025	1150	1275	1400	1525	1580
PLUMAS	150	166	182	199	215	203
RIVERSIDE	4702	5287	5874	6462	7050	7459
SACRAMENTO	7628	8255	8883	9511	10140	10435
SAN BENITO	189	213	237	261	285	281
SAN BERNARDINO	6660	7476	8294	9113	9933	10584
SAN DIEGO	16189	17535	18881	20228	21577	22266
SAN FRANCISCO	18913	18517	18116	17711	17301	16830
SAN JOAQUIN	3979	4240	4501	4762	5024	5120
SAN LUIS OBISPO	1809	1961	2114	2266	2419	2499
SAN MATEO	12878	13460	14041	14622	15202	15253
SANTA BARBARA	2796	3097	3399	3701	4003	4019
SANTA CLARA	12112	13135	14159	15184	16209	16406
SANTA CRUZ	1583	1726	1868	2010	2153	2165
SHASTA	1550	1762	1974	2186	2399	2373
SIERRA	19	23	28	32	36	32
SISKIYOU	518	571	624	678	731	698
SOLANO	2016	2230	2445	2661	2876	2916
SONOMA	2809	3108	3407	3707	4007	4032
STANISLAUS	2853	3102	3351	3600	3849	3819
SUTIER	507	567	628	690	751	693
TEHAMA	233	273	312	351	390	367
TRINITY	62	68	73	79	84	86
TULARE	2145	2321	2497	2674	2850	2829
TUOLUMNE	434	473	511	550	589	567
VENTURA	4205	4693	5181	5669	6159	6218
YOLO	1401	1564	1727	1890	2053	2041
YUBA	479	516	553	589	626	626

**Table 18 - Non-farm
Equipment, Gasoline
(Employment)**

	1982	1983	1984	1985	1986	1987
CALIFORNIA	345273	345264	345230	345176	361589	378012
ALAMEDA	20299	19949	19597	19243	20044	20846
ALPINE	5	4	4	4	5	7
AMADOR	209	206	203	199	227	255
BUTTE	1686	1706	1726	1746	1869	1993
CALAVERAS	394	380	366	352	411	470
COLUSA	130	126	122	119	145	172
CONTRA COSTA	9035	9139	9242	9344	9789	10234
DEL NORTE	136	125	113	102	126	151
EL DORADO	915	902	890	878	991	1105
FRESNO	7747	7465	7183	6899	7365	7832
GLENN	321	297	273	249	233	216
HUMBOLDT	1862	1743	1623	1503	1584	1664
IMPERIAL	976	998	1021	1044	1094	1144
INYO	559	504	449	393	375	357
KERN	11549	12042	12536	13030	13028	13026
KINGS	605	595	584	573	572	571
LAKE	420	450	480	510	540	571
LASSEN	250	237	225	212	220	227
LOS ANGELES	105762	103488	101203	98906	102888	106871
MADERA	628	620	612	605	636	667
MARIN	2055	2165	2276	2387	2497	2607
MARIPOSA	89	94	99	104	114	125
MENDOCINO	633	645	657	669	727	784
MERCED	1300	1266	1232	1198	1309	1420
MODOC	58	52	47	41	42	44
MONO	247	233	219	205	222	238
MONTEREY	2592	2544	2496	2448	2519	2589
NAPA	892	893	894	894	1021	1149
NEVADA	585	582	579	576	687	798
ORANGE	28982	29512	30041	30569	31489	32408
PLACER	1634	1688	1743	1797	2055	2313
PLUMAS	192	181	170	159	166	174
RIVERSIDE	7869	8279	8690	9100	10484	11869
SACRAMENTO	10730	11025	11320	11614	12527	13441
SAN BENITO	278	274	270	266	296	326
SAN BERNARDINO	11235	11887	12539	13192	14309	15428
SAN DIEGO	22954	23643	24331	25018	26403	27788
SAN FRANCISCO	16357	15881	15402	14922	14700	14476
SAN JOAQUIN	5217	5313	5410	5506	5755	6005
SAN LUIS OBISPO	2579	2659	2739	2818	2876	2933
SAN MATEO	15303	15351	15399	15446	16042	16638
SANTA BARBARA	4034	4049	4064	4079	4127	4176
SANTA CLARA	16602	16798	16992	17186	17388	17591
SANTA CRUZ	2176	2188	2199	2211	2564	2917
SHASTA	2347	2321	2295	2268	2464	2660
SIERRA	27	22	17	13	13	14
SISKIYOU	665	632	599	565	671	777
SOLANO	2956	2995	3035	3074	3365	3656
SONOMA	4056	4080	4104	4128	4437	4746
STANISLAUS	3789	3758	3727	3695	3957	4219
SUTTER	636	578	520	462	507	552
TEHAMA	343	319	295	271	273	274
TRINITY	88	90	93	95	110	126
TULARE	2808	2787	2765	2743	2856	2969
TUOLUMNE	544	522	499	476	552	628
VENTURA	6276	6334	6392	6449	7131	7813
YOLO	2029	2017	2005	1993	2165	2337
YUBA	627	627	627	627	626	626

**Table 18 - Non-farm
Equipment, Gasoline
(Employment)**

	1988	1989	1990	1991	1992	1993
CALIFORNIA	394445	410888	427340	419413	411464	403494
ALAMEDA	21648	22451	23254	22959	22663	22366
ALPINE	9	11	13	12	12	11
AMADOR	283	311	339	347	354	361
BUTTE	2117	2241	2365	2414	2463	2512
CALAVERAS	530	589	649	635	621	607
COLUSA	199	226	252	248	243	238
CONTRA COSTA	10679	11125	11571	11568	11565	11562
DEL NORIE	176	201	225	214	203	191
EL DORADO	1218	1332	1446	1392	1338	1284
FRESNO	8299	8767	9234	9191	9148	9104
GLENN	199	183	166	169	171	173
HUMBOLDT	1744	1825	1905	1926	1947	1968
IMPERIAL	1195	1245	1295	1342	1388	1435
INYO	339	320	302	297	292	286
KERN	13023	13019	13016	12580	12143	11705
KINGS	570	569	568	596	625	653
LAKE	601	632	662	650	637	625
LASSEN	234	241	249	254	260	266
LOS ANGELES	110855	114842	118830	115210	111583	107947
MADERA	698	729	760	783	806	829
MARIN	2716	2826	2936	2937	2938	2938
MARIPOSA	135	145	155	156	157	158
MENDOCINO	842	900	958	977	995	1013
MERCED	1531	1642	1753	1777	1801	1826
MODOC	45	47	48	58	67	76
MONO	255	271	288	277	266	255
MONTEREY	2660	2731	2802	2741	2679	2618
NAPA	1276	1403	1531	1576	1622	1667
NEVADA	909	1020	1132	1123	1114	1105
ORANGE	33328	34248	35168	34367	33564	32759
PLACER	2571	2830	3089	3091	3093	3095
PLUMAS	182	190	198	218	238	258
RIVERSIDE	13257	14645	16035	15500	14963	14425
SACRAMENTO	14356	15272	16189	15778	15367	14955
SAN BENITO	356	387	417	423	428	434
SAN BERNARDINO	16548	17668	18790	18488	18186	17882
SAN DIEGO	29175	30562	31951	31224	30495	29764
SAN FRANCISCO	14251	14025	13798	13807	13816	13825
SAN JOAQUIN	6255	6505	6756	6631	6506	6381
SAN LUIS OBISPO	2990	3047	3104	3133	3162	3190
SAN MATEO	17235	17831	18428	18215	18001	17787
SANTA BARBARA	4224	4273	4321	4248	4176	4103
SANTA CLARA	17792	17994	18195	18093	17990	17886
SANTA CRUZ	3271	3625	3980	3807	3634	3461
SHASTA	2856	3052	3249	3257	3265	3274
SIERRA	15	16	16	18	19	20
SISKIYOU	883	989	1096	1101	1106	1110
SOLANO	3948	4240	4532	4538	4545	4551
SONOMA	5055	5364	5674	5516	5357	5198
STANISLAUS	4481	4744	5006	4980	4954	4928
SUTTER	596	641	685	723	760	798
TEHAMA	275	276	277	296	315	334
TRINITY	141	157	172	171	169	167
TULARE	3082	3195	3308	3418	3528	3639
TUOLUMNE	705	781	857	842	826	810
VENTURA	8496	9180	9865	9542	9218	8893
YOLO	2510	2683	2855	2953	3051	3149
YUBA	625	625	624	628	631	634

**Table 18 - Non-farm
Equipment, Gasoline
(Employment)**

	1994	1995	1996	1997	1998	1999
CALIFORNIA	395505	387497	394441	401385	408329	415273
ALAMEDA	22068	21769	22155	22542	22928	23314
ALPINE	11	10	11	11	12	13
AMADOR	369	376	387	397	408	418
BUTTE	2561	2610	2679	2749	2819	2889
CALAVERAS	592	578	590	602	615	627
COLUSA	233	228	231	234	238	241
CONTRA COSTA	11559	11555	11690	11826	11961	12096
DEL NORTE	180	169	173	178	183	188
EL DORADO	1230	1176	1226	1275	1325	1374
FRESNO	9060	9016	9365	9714	10063	10413
GLENN	176	178	184	190	196	202
HUMBOLDT	1989	2010	2052	2094	2136	2179
IMPERIAL	1482	1529	1560	1590	1621	1652
INYO	281	276	283	291	298	305
KERN	11266	10827	11078	11328	11579	11830
KINGS	682	710	730	749	769	789
LAKE	613	600	609	618	626	635
LASSEN	272	277	285	292	300	307
LOS ANGELES	104305	100656	101319	101981	102642	103302
MADERA	852	875	899	923	947	971
MARIN	2939	2939	2947	2955	2963	2971
MARIPOSA	159	160	167	173	180	187
MENDOCINO	1031	1050	1079	1108	1137	1166
MERCED	1850	1874	1924	1973	2022	2071
MODOC	85	94	96	98	100	102
MONO	244	233	236	239	242	245
MONTEREY	2556	2494	2539	2584	2628	2673
NAPA	1713	1758	1756	1753	1751	1748
NEVADA	1096	1087	1112	1137	1162	1187
ORANGE	31952	31144	31748	32352	32957	33561
PLACER	3098	3100	3207	3314	3421	3528
PLUMAS	279	299	306	312	319	326
RIVERSIDE	13886	13346	13757	14168	14580	14992
SACRAMENTO	14542	14128	14769	15410	16052	16694
SAN BENITO	440	446	451	456	462	467
SAN BERNARDINO	17578	17273	17724	18174	18625	19075
SAN DIEGO	29032	28298	29066	29833	30601	31369
SAN FRANCISCO	13833	13840	13890	13939	13989	14038
SAN JOAQUIN	6256	6130	6249	6368	6487	6606
SAN LUIS OBISPO	3219	3248	3360	3472	3584	3696
SAN MATEO	17572	17356	17311	17267	17222	17177
SANTA BARBARA	4030	3957	4037	4117	4197	4277
SANTA CLARA	17782	17678	18257	18836	19416	19996
SANTA CRUZ	3287	3113	3157	3202	3246	3290
SHASTA	3282	3290	3361	3433	3505	3577
SIERRA	22	23	24	25	26	27
SISKIYOU	1115	1120	1137	1155	1172	1189
SOLANO	4557	4563	4530	4497	4464	4430
SONOMA	5038	4879	4940	5002	5063	5124
STANISLAUS	4901	4875	5006	5137	5268	5399
SUTTER	835	873	898	923	948	973
TEHAMA	354	373	388	403	418	433
TRINITY	166	164	169	174	179	183
TULARE	3749	3860	3953	4045	4138	4231
TUOLUMNE	794	779	793	807	822	836
VENTURA	8568	8243	8499	8756	9012	9269
YOLO	3247	3345	3432	3518	3605	3692
YUBA	638	641	661	682	702	723

**Table 18 - Non-farm
Equipment, Gasoline
(Employment)**

	2000	2001	2002	2003	2004	2005
CALIFORNIA	422217	427526	432834	438141	443447	448753
ALAMEDA	23700	24011	24321	24632	24942	25253
ALPINE	13	13	14	14	14	15
AMADOR	429	434	439	444	449	454
BUTTE	2959	3005	3051	3097	3143	3189
CALAVERAS	639	650	661	673	684	695
COLUSA	244	245	245	246	247	247
CONTRA COSTA	12232	12411	12591	12770	12950	13130
DEL NORTE	192	194	195	196	198	199
EL DORADO	1424	1454	1485	1515	1546	1576
FRESNO	10762	10918	11074	11230	11386	11542
GLENN	207	210	212	215	217	220
HUMBOLDT	2221	2238	2255	2273	2290	2307
IMPERIAL	1683	1702	1721	1741	1760	1780
INYO	313	317	322	326	330	335
KERN	12081	12197	12312	12428	12544	12659
KINGS	809	820	830	841	852	863
LAKE	643	653	663	673	683	693
LASSEN	315	318	321	324	327	330
LOS ANGELES	103960	104823	105685	106547	107408	108269
MADERA	995	1010	1025	1040	1055	1070
MARIN	2978	3044	3109	3175	3241	3306
MARIPOSA	193	198	203	208	213	217
MENDOCINO	1195	1208	1221	1234	1246	1259
MERCED	2120	2147	2173	2199	2226	2252
MODOC	104	106	107	108	109	110
MONO	249	253	257	261	264	268
MONTEREY	2718	2745	2773	2800	2828	2855
NAPA	1745	1774	1802	1831	1860	1888
NEVADA	1212	1238	1265	1291	1317	1343
ORANGE	34166	34671	35175	35680	36185	36689
PLACER	3635	3715	3794	3873	3953	4032
PLUMAS	332	328	324	320	315	311
RIVERSIDE	15404	15722	16040	16359	16677	16996
SACRAMENTO	17337	17679	18020	18362	18704	19046
SAN BENITO	472	476	480	484	488	492
SAN BERNARDINO	19526	19779	20031	20283	20535	20787
SAN DIEGO	32138	32746	33354	33963	34572	35180
SAN FRANCISCO	14087	14143	14200	14257	14313	14370
SAN JOAQUIN	6726	6783	6841	6899	6956	7014
SAN LUIS OBISPO	3808	3888	3967	4047	4126	4206
SAN MATEO	17131	17238	17346	17453	17560	17667
SANTA BARBARA	4356	4406	4456	4506	4556	4605
SANTA CLARA	20577	20877	21178	21478	21779	22079
SANTA CRUZ	3334	3367	3399	3432	3464	3496
SHASTA	3648	3697	3746	3795	3844	3893
SIERRA	28	28	28	28	28	29
SISKIYOU	1207	1214	1221	1228	1236	1243
SOLANO	4397	4464	4531	4598	4665	4733
SONOMA	5186	5236	5286	5337	5387	5437
STANISLAUS	5530	5600	5671	5741	5812	5882
SUTTER	998	1011	1023	1035	1047	1059
TEHAMA	448	454	461	467	473	479
TRINITY	188	190	191	193	195	196
TULARE	4324	4387	4450	4513	4576	4639
TUOLUMNE	850	863	875	887	900	912
VENTURA	9525	9663	9800	9937	10074	10211
YOLO	3779	3815	3852	3888	3925	3961
YUBA	744	751	759	767	774	782

Table 18 - Non-farm
Equipment, Gasoline
(Employment)

	2006	2007	2008	2009	2010	2011
CALIFORNIA	452072	455390	458706	462020	465332	464917
ALAMEDA	25340	25427	25514	25601	25687	25730
ALPINE	15	15	15	16	16	17
AMADOR	454	453	453	453	453	455
BUTTE	3225	3262	3298	3335	3371	3381
CALAVERAS	712	729	747	764	781	774
COLUSA	243	238	234	229	224	226
CONTRA COSTA	13334	13538	13742	13946	14150	14081
DEL NORIE	197	194	192	190	188	190
EL DORADO	1616	1655	1694	1733	1772	1770
FRESNO	11627	11711	11795	11880	11964	11950
GLENN	220	220	221	221	221	223
HUMBOLDT	2311	2316	2320	2324	2329	2330
IMPERIAL	1799	1818	1836	1855	1874	1875
INYO	332	329	325	322	319	324
KERN	12575	12490	12405	12319	12234	12019
KINGS	868	874	879	885	890	900
LAKE	703	714	725	735	746	747
LASSEN	330	330	331	331	331	336
LOS ANGELES	108778	109287	109795	110302	110809	110389
MADERA	1081	1093	1105	1117	1129	1126
MARIN	3436	3565	3695	3825	3955	3933
MARIPOSA	220	223	225	228	230	236
MENDOCINO	1258	1257	1256	1254	1253	1256
MERCED	2273	2294	2315	2336	2357	2359
MODOC	111	112	112	113	114	115
MONO	277	285	293	302	310	311
MONTEREY	2883	2911	2938	2966	2994	3002
NAPA	1910	1932	1954	1976	1998	2009
NEVADA	1377	1411	1445	1479	1514	1500
ORANGE	36988	37286	37585	37883	38181	38161
PLACER	4137	4242	4346	4451	4556	4493
PLUMAS	328	346	363	380	398	396
RIVERSIDE	17288	17581	17874	18167	18459	18441
SACRAMENTO	19233	19421	19608	19795	19982	20204
SAN BENITO	499	505	512	518	525	517
SAN BERNARDINO	20835	20881	20928	20975	21021	21067
SAN DIEGO	35591	36002	36413	36824	37234	37361
SAN FRANCISCO	14307	14245	14183	14120	14057	14187
SAN JOAQUIN	7052	7090	7127	7165	7203	7183
SAN LUIS OBISPO	4273	4341	4408	4476	4544	4565
SAN MATEO	17830	17994	18157	18321	18484	18312
SANTA BARBARA	4624	4643	4661	4680	4698	4665
SANTA CLARA	22298	22517	22735	22954	23172	23213
SANTA CRUZ	3511	3525	3539	3553	3567	3548
SHASTA	3934	3975	4016	4057	4098	4109
SIERRA	28	27	27	26	25	26
SISKIYOU	1249	1255	1261	1267	1272	1283
SOLANO	4802	4872	4942	5012	5082	5126
SONOMA	5461	5485	5508	5532	5556	5519
STANISLAUS	5928	5974	6020	6066	6112	6107
SUTTER	1074	1088	1103	1118	1132	1129
TEHAMA	477	475	472	470	468	475
TRINITY	196	195	194	194	193	197
TULARE	4691	4743	4795	4847	4899	4912
TUOLUMNE	926	940	954	967	981	983
VENTURA	10262	10312	10362	10413	10463	10424
YOLO	3962	3964	3965	3966	3968	3955
YUBA	783	785	786	787	789	798

**Table 18 - Non-farm
Equipment, Gasoline
(Employment)**

	2012	2013	2014	2015	2016	2017
CALIFORNIA	464497	464074	463647	463216	459952	456683
ALAMEDA	25773	25815	25858	25900	25637	25373
ALPINE	17	18	19	19	20	21
AMADOR	456	458	460	462	464	465
BUTTE	3390	3399	3409	3418	3453	3489
CALAVERAS	767	760	753	747	756	765
COLUSA	228	230	232	234	231	229
CONTRA COSTA	14011	13941	13872	13802	13707	13612
DEL NORIE	193	195	198	201	202	204
EL DORADO	1767	1765	1762	1760	1776	1792
FRESNO	11937	11923	11910	11896	11748	11601
GLENN	224	225	226	228	230	233
HUMBOLDT	2331	2332	2333	2334	2348	2362
IMPERIAL	1875	1875	1876	1876	1897	1917
INYO	329	333	338	343	344	346
KERN	11804	11589	11373	11158	11015	10873
KINGS	909	919	928	938	951	964
LAKE	748	749	750	751	758	765
LASSEN	342	348	353	359	363	367
LOS ANGELES	109967	109544	109120	108695	107242	105787
MADERA	1123	1121	1118	1115	1126	1136
MARIN	3911	3890	3868	3846	3889	3932
MARIPOSA	241	246	251	256	262	267
MENDOCINO	1259	1261	1264	1267	1273	1279
MERCED	2360	2362	2364	2366	2379	2393
MODOC	117	119	120	122	124	126
MONO	312	313	314	315	323	331
MONTEREY	3010	3018	3026	3034	3072	3110
NAPA	2020	2030	2041	2052	2090	2129
NEVADA	1487	1474	1460	1447	1463	1480
ORANGE	38140	38120	38098	38077	37764	37451
PLACER	4430	4367	4304	4241	4243	4245
PLUMAS	394	393	391	389	396	403
RIVERSIDE	18423	18405	18386	18367	18547	18726
SACRAMENTO	20426	20648	20870	21093	19569	18044
SAN BENITO	509	500	492	484	486	488
SAN BERNARDINO	21113	21158	21204	21249	21280	21311
SAN DIEGO	37488	37614	37740	37867	37795	37723
SAN FRANCISCO	14316	14445	14575	14704	14688	14671
SAN JOAQUIN	7162	7142	7122	7101	7106	7110
SAN LUIS OBISPO	4586	4607	4628	4650	4711	4772
SAN MATEO	18139	17966	17793	17619	17428	17236
SANTA BARBARA	4631	4598	4564	4530	4525	4520
SANTA CLARA	23253	23294	23334	23374	23619	23863
SANTA CRUZ	3530	3511	3492	3473	3476	3479
SHASTA	4121	4133	4144	4156	4195	4234
SIERRA	27	27	28	28	28	28
SISKIYOU	1293	1303	1313	1324	1336	1349
SOLANO	5170	5214	5258	5302	5413	5524
SONOMA	5482	5445	5408	5371	5371	5371
STANISLAUS	6101	6095	6089	6083	6114	6146
SUTTER	1125	1122	1118	1114	1130	1145
TEHAMA	481	488	495	502	507	512
TRINITY	201	204	208	212	214	217
TULARE	4926	4940	4953	4967	5015	5064
TUOLUMNE	985	987	989	991	1004	1016
VENTURA	10385	10346	10307	10267	10122	9976
YOLO	3943	3930	3917	3905	3879	3852
YUBA	808	818	827	837	848	859

**Table 18 - Non-farm
Equipment, Gasoline
(Employment)**

	2018	2019	2020
CALIFORNIA	453409	450130	446846
ALAMEDA	25109	24845	24580
ALPINE	22	23	24
AMADOR	467	469	471
BUTTE	3524	3559	3594
CALAVERAS	774	783	793
COLUSA	227	224	222
CONTRA COSTA	13517	13422	13327
DEL NORTE	206	207	209
EL DORADO	1808	1824	1840
FRESNO	11453	11305	11157
GLENN	235	238	240
HUMBOLDT	2375	2389	2402
IMPERIAL	1938	1958	1979
INYO	347	348	350
KERN	10730	10587	10444
KINGS	977	991	1004
LAKE	772	779	786
LASSEN	371	374	378
LOS ANGELES	104330	102872	101413
MADERA	1147	1158	1169
MARIN	3976	4019	4062
MARIPOSA	273	278	284
MENDOCINO	1285	1291	1297
MERCED	2407	2421	2435
MODOC	129	131	133
MONO	340	348	357
MONTEREY	3148	3186	3224
NAPA	2167	2206	2245
NEVADA	1496	1513	1529
ORANGE	37137	36823	36509
PLACER	4247	4249	4251
PLUMAS	410	417	424
RIVERSIDE	18905	19084	19263
SACRAMENTO	16519	14992	13464
SAN BENITO	490	492	493
SAN BERNARDINO	21341	21372	21402
SAN DIEGO	37651	37579	37506
SAN FRANCISCO	14654	14637	14620
SAN JOAQUIN	7114	7118	7122
SAN LUIS OBISPO	4833	4895	4956
SAN MATEO	17044	16852	16660
SANTA BARBARA	4515	4510	4505
SANTA CLARA	24107	24351	24596
SANTA CRUZ	3482	3485	3487
SHASTA	4273	4312	4351
SIERRA	28	28	28
SISKIYOU	1361	1374	1386
SOLANO	5635	5746	5856
SONOMA	5371	5371	5371
STANISLAUS	6177	6209	6240
SUTTER	1161	1176	1192
TEHAMA	517	522	527
TRINITY	219	222	224
TULARE	5112	5161	5209
TUOLUMNE	1028	1041	1053
VENTURA	9831	9685	9539
YOLO	3826	3800	3774
YUBA	870	881	892

Table 19 - Non-farm
Equipment, Diesel
(Employment)

	1970	1971	1972	1973	1974	1975
CALIFORNIA	225076	236085	246738	260932	279890	299566
ALAMEDA	18199	18539	18825	19228	19758	20514
ALPINE	3	3	3	3	3	4
AMADOR	198	203	207	213	220	228
BUTTE	639	777	916	1083	1288	1493
CALAVERAS	38	50	62	79	100	131
COLUSA	143	142	140	138	136	138
CONTRA COSTA	6574	6825	7061	7376	7779	8193
DEL NORTE	177	177	176	176	175	175
EL DORADO	667	686	703	726	755	791
FRESNO	4844	5161	5473	5895	6428	6963
GLENN	155	165	175	188	204	221
HUMBOLDT	1276	1293	1306	1331	1368	1406
IMPERIAL	731	752	770	794	826	862
INYO	356	376	397	430	480	530
KERN	6408	6762	7106	7553	8119	8757
KINGS	424	444	463	490	524	559
LAKE	46	48	51	81	120	162
LASSEN	55	59	63	68	76	114
LOS ANGELES	79140	82326	85349	89333	94928	100542
MADERA	194	230	267	313	371	432
MARIN	1441	1484	1523	1577	1650	1726
MARIPOSA	5	10	15	22	32	41
MENDOCINO	359	384	408	439	479	519
MERCED	843	895	945	1011	1094	1177
MODOC	3	23	45	69	96	123
MONO	16	17	18	47	86	125
MONTEREY	2642	2680	2709	2753	2811	2869
NAPA	500	535	570	615	673	734
NEVADA	206	232	259	296	352	413
ORANGE	7468	9068	10710	12835	15660	18479
PLACER	480	567	656	765	909	1067
PLUMAS	140	138	135	134	146	159
RIVERSIDE	3493	3628	3769	4042	4456	4880
SACRAMENTO	5520	5942	6362	6899	7596	8299
SAN BENITO	118	130	141	155	173	195
SAN BERNARDINO	3787	4234	4694	5311	6120	6928
SAN DIEGO	11550	12479	13404	14587	16079	17597
SAN FRANCISCO	26219	25689	25043	24328	23533	22881
SAN JOAQUIN	3269	3445	3616	3837	4119	4407
SAN LUIS OBISPO	1315	1414	1513	1639	1802	1964
SAN MATEO	12137	12520	12875	13348	13957	14574
SANTA BARBARA	1668	1854	2043	2301	2629	2958
SANTA CLARA	8695	9372	10046	10916	12025	13145
SANTA CRUZ	1025	1133	1240	1375	1542	1709
SHASTA	749	883	1018	1183	1385	1587
SIERRA	12	12	11	10	13	17
SISKIYOU	397	424	450	479	514	551
SOLANO	1177	1311	1446	1639	1887	2135
SONOMA	1708	1902	2097	2339	2644	2976
STANISLAUS	1946	2122	2298	2522	2804	3087
SUTTER	283	319	356	403	463	528
TEHAMA	63	88	114	147	188	231
TRINITY	56	55	54	57	62	67
TULARE	1717	1810	1901	2019	2168	2335
TUOLUMNE	404	414	424	436	452	468
VENTURA	2,133	2,482	2,838	3,286	3,847	4,408
YOLO	828	921	1,015	1,130	1,283	1,468
YUBA	436	451	465	482	502	525

**Table 19 - Non-farm
Equipment, Diesel
(Employment)**

	1976	1977	1978	1979	1980	1981
CALIFORNIA	320235	340909	361581	382249	402910	402063
ALAMEDA	21308	22104	22902	23701	24501	24044
ALPINE	4	5	5	5	6	6
AMADOR	232	237	242	246	251	247
BUTTE	1578	1664	1749	1835	1921	1940
CALAVERAS	203	276	348	420	492	475
COLUSA	142	146	151	155	159	155
CONTRA COSTA	8614	9036	9458	9880	10303	10401
DEL NORTE	177	179	181	184	186	172
EL DORADO	852	913	974	1035	1096	1079
FRESNO	7510	8056	8602	9148	9694	9348
GLENN	263	305	347	389	431	402
HUMBOLDT	1615	1825	2034	2242	2450	2307
IMPERIAL	907	951	996	1041	1085	1109
INYO	581	631	681	730	780	715
KERN	9472	10187	10901	11614	12328	12875
KINGS	593	628	662	697	731	717
LAKE	214	266	318	370	421	455
LASSEN	156	197	238	279	320	305
LOS ANGELES	106167	111797	117431	123065	128700	125797
MADERA	496	559	623	686	750	739
MARIN	1809	1891	1974	2057	2140	2264
MARIPOSA	52	62	72	82	93	98
MENDOCINO	557	596	634	673	711	723
MERCED	1260	1344	1428	1512	1596	1553
MODOC	115	106	98	90	81	74
MONO	164	204	243	282	320	304
MONTEREY	2922	2975	3028	3082	3136	3074
NAPA	795	857	918	979	1039	1038
NEVADA	468	524	579	635	690	685
ORANGE	21308	24133	26954	29771	32585	33132
PLACER	1210	1353	1496	1638	1781	1840
PLUMAS	178	196	214	232	250	237
RIVERSIDE	5552	6222	6892	7560	8228	8687
SACRAMENTO	9007	9715	10422	11129	11835	12152
SAN BENITO	223	250	278	305	333	328
SAN BERNARDINO	7864	8798	9731	10662	11593	12325
SAN DIEGO	19116	20634	22151	23668	25183	25929
SAN FRANCISCO	22332	21790	21254	20722	20194	19600
SAN JOAQUIN	4698	4990	5281	5572	5863	5963
SAN LUIS OBISPO	2136	2308	2480	2652	2823	2910
SAN MATEO	15206	15839	16473	17108	17743	17763
SANTA BARBARA	3302	3645	3988	4330	4673	4680
SANTA CLARA	14302	15457	16612	17766	18919	19106
SANTA CRUZ	1870	2030	2191	2352	2512	2521
SHASTA	1830	2073	2316	2558	2800	2764
SIERRA	22	27	32	37	43	37
SISKIYOU	611	672	733	793	854	813
SOLANO	2380	2625	2869	3113	3357	3396
SONOMA	3317	3657	3997	4337	4677	4695
STANISLAUS	3368	3650	3931	4212	4493	4448
SUTTER	598	668	737	807	876	808
TEHAMA	276	321	366	411	456	427
TRINITY	73	80	86	92	98	100
TULARE	2533	2732	2930	3128	3326	3295
TUOLUMNE	512	556	600	644	688	660
VENTURA	4,965	5,522	6,078	6,633	7,188	7,241
YOLO	1,654	1,840	2,026	2,211	2,396	2,377
YUBA	566	607	648	690	731	729

**Table 19 - Non-farm
Equipment, Diesel
(Employment)**

	1982	1983	1984	1985	1986	1987
CALIFORNIA	401249	400462	399700	398959	417262	435554
ALAMEDA	23590	23138	22689	22241	23130	24019
ALPINE	5	5	5	4	6	8
AMADOR	243	239	235	231	262	294
BUTTE	1959	1978	1998	2017	2157	2296
CALAVERAS	457	440	423	406	474	542
COLUSA	150	146	142	137	168	198
CONTRA COSTA	10500	10600	10700	10800	11296	11792
DEL NORIE	158	145	131	117	146	174
EL DORADO	1063	1047	1031	1014	1144	1273
FRESNO	9003	8659	8316	7974	8499	9024
GLENN	373	345	316	288	268	249
HUMBOLDT	2164	2022	1879	1738	1828	1917
IMPERIAL	1134	1158	1182	1207	1263	1319
INYO	650	584	519	455	433	411
KERN	13421	13968	14514	15060	15034	15009
KINGS	703	690	676	662	660	658
LAKE	488	522	556	589	623	658
LASSEN	290	275	260	246	254	261
LOS ANGELES	122908	120033	117170	114318	118729	123139
MADERA	729	719	709	699	734	768
MARIN	2388	2512	2635	2759	2881	3003
MARIPOSA	104	109	115	121	132	144
MENDOCINO	736	748	761	773	839	904
MERCED	1511	1469	1427	1385	1510	1636
MODOC	68	61	54	47	49	51
MONO	287	270	254	237	256	274
MONTEREY	3012	2951	2890	2829	2906	2984
NAPA	1037	1036	1035	1034	1179	1323
NEVADA	680	675	670	665	792	919
ORANGE	33680	34230	34781	35332	36337	37342
PLACER	1899	1958	2018	2077	2371	2665
PLUMAS	223	210	197	183	192	201
RIVERSIDE	9145	9603	10061	10519	12098	13676
SACRAMENTO	12470	12788	13106	13424	14456	15487
SAN BENITO	323	318	313	308	342	376
SAN BERNARDINO	13057	13787	14518	15248	16513	17776
SAN DIEGO	26676	27422	28169	28917	30468	32018
SAN FRANCISCO	19008	18419	17833	17248	16963	16679
SAN JOAQUIN	6063	6163	6263	6363	6641	6919
SAN LUIS OBISPO	2997	3084	3171	3258	3318	3379
SAN MATEO	17784	17806	17829	17852	18512	19171
SANTA BARBARA	4688	4697	4705	4714	4763	4812
SANTA CLARA	19294	19483	19673	19863	20066	20268
SANTA CRUZ	2529	2538	2546	2555	2958	3361
SHASTA	2728	2692	2657	2622	2843	3065
SIERRA	31	26	20	14	15	16
SISKIYOU	773	733	693	654	775	895
SOLANO	3435	3474	3514	3553	3883	4213
SONOMA	4714	4733	4752	4771	5120	5468
STANISLAUS	4403	4359	4315	4271	4566	4861
SUTTER	739	671	603	535	585	635
TEHAMA	399	370	342	314	314	315
TRINITY	103	105	107	109	127	145
TULARE	3263	3232	3201	3171	3296	3421
TUOLUMNE	633	605	578	551	637	724
VENTURA	7,293	7,347	7,400	7,454	8,229	9,003
YOLO	2,358	2,340	2,321	2,303	2,498	2,693
YUBA	728	727	726	724	723	721

**Table 19 - Non-farm
Equipment, Diesel
(Employment)**

	1988	1989	1990	1991	1992	1993
CALIFORNIA	453836	472109	490372	480676	471002	461349
ALAMEDA	24908	25796	26684	26313	25942	25573
ALPINE	10	12	14	14	13	13
AMADOR	326	358	390	397	405	413
BUTTE	2435	2574	2713	2766	2819	2872
CALAVERAS	609	677	744	727	710	693
COLUSA	229	259	290	284	278	272
CONTRA COSTA	12287	12782	13277	13258	13239	13220
DEL NORIE	202	230	259	245	232	219
EL DORADO	1402	1530	1659	1595	1532	1468
FRESNO	9549	10073	10597	10534	10472	10409
GLENN	230	210	191	193	196	198
HUMBOLDT	2007	2097	2187	2208	2229	2251
IMPERIAL	1374	1430	1486	1538	1589	1641
INYO	389	368	346	340	334	327
KERN	14984	14959	14935	14417	13900	13383
KINGS	656	654	652	684	715	747
LAKE	692	726	760	745	730	715
LASSEN	269	277	285	292	298	304
LOS ANGELES	127547	131953	136358	132039	127729	123425
MADERA	803	838	872	897	923	948
MARIN	3126	3248	3370	3366	3363	3360
MARIPOSA	155	166	178	179	180	181
MENDOCINO	969	1034	1100	1119	1139	1158
MERCED	1761	1886	2011	2037	2062	2088
MODOC	52	54	56	66	76	87
MONO	293	312	330	317	304	291
MONTEREY	3061	3138	3215	3141	3067	2993
NAPA	1468	1613	1757	1807	1857	1906
NEVADA	1046	1172	1298	1287	1275	1264
ORANGE	38347	39351	40356	39387	38421	37456
PLACER	2958	3251	3544	3543	3541	3539
PLUMAS	210	218	227	250	273	296
RIVERSIDE	15253	16827	18401	17764	17128	16493
SACRAMENTO	16518	17548	18576	18083	17590	17099
SAN BENITO	410	444	478	484	491	497
SAN BERNARDINO	19039	20301	21561	21189	20817	20447
SAN DIEGO	33568	35116	36663	35784	34907	34032
SAN FRANCISCO	16396	16115	15834	15824	15815	15807
SAN JOAQUIN	7197	7475	7752	7600	7448	7296
SAN LUIS OBISPO	3440	3501	3561	3590	3619	3648
SAN MATEO	19830	20488	21147	20876	20606	20337
SANTA BARBARA	4860	4909	4958	4869	4780	4691
SANTA CLARA	20472	20675	20879	20736	20593	20451
SANTA CRUZ	3763	4165	4566	4363	4160	3957
SHASTA	3286	3507	3728	3733	3738	3743
SIERRA	17	18	19	20	22	23
SISKIYOU	1016	1137	1257	1261	1265	1270
SOLANO	4542	4871	5200	5201	5202	5203
SONOMA	5816	6164	6511	6321	6132	5943
STANISLAUS	5156	5450	5745	5708	5671	5634
SUTTER	686	736	787	828	870	912
TEHAMA	316	317	318	339	361	382
TRINITY	162	180	198	196	193	191
TULARE	3546	3671	3795	3917	4039	4161
TUOLUMNE	811	897	984	965	945	926
VENTURA	9,776	10,548	11,320	10,936	10,552	10,169
YOLO	2,888	3,082	3,277	3,385	3,493	3,600
YUBA	720	718	717	719	722	725

Table 19 - Non-farm
Equipment, Diesel
(Employment)

	1994	1995	1996	1997	1998	1999
CALIFORNIA	451715	442100	449560	457021	464481	471942
ALAMEDA	25204	24837	25251	25666	26081	26495
ALPINE	12	12	12	13	14	14
AMADOR	421	429	441	452	464	475
BUTTE	2925	2977	3054	3130	3207	3283
CALAVERAS	677	660	673	686	699	712
COLUSA	266	260	263	267	270	274
CONTRA COSTA	13201	13183	13324	13465	13606	13747
DEL NORTE	206	192	198	203	208	213
EL DORADO	1405	1342	1397	1452	1507	1562
FRESNO	10348	10286	10673	11060	11447	11833
GLENN	201	203	210	216	223	229
HUMBOLDT	2272	2294	2339	2385	2430	2476
IMPERIAL	1693	1744	1777	1811	1844	1877
INYO	321	315	323	331	339	347
KERN	12868	12353	12626	12899	13172	13444
KINGS	778	810	832	853	875	897
LAKE	700	685	694	703	712	721
LASSEN	310	317	325	333	341	349
LOS ANGELES	119129	114840	115478	116117	116757	117398
MADERA	973	999	1025	1051	1077	1104
MARIN	3357	3354	3359	3365	3370	3376
MARIPOSA	182	183	190	198	205	212
MENDOCINO	1178	1197	1229	1261	1293	1325
MERCED	2113	2139	2192	2246	2300	2354
MODOC	97	107	109	112	114	116
MONO	278	265	269	272	276	279
MONTEREY	2919	2846	2894	2942	2990	3038
NAPA	1956	2006	2001	1996	1991	1986
NEVADA	1252	1241	1268	1295	1322	1349
ORANGE	36493	35532	36185	36837	37489	38141
PLACER	3538	3536	3655	3773	3891	4010
PLUMAS	318	341	348	356	363	370
RIVERSIDE	15859	15226	15679	16132	16585	17038
SACRAMENTO	16608	16118	16832	17546	18260	18972
SAN BENITO	503	509	514	520	525	531
SAN BERNARDINO	20077	19708	20200	20693	21186	21678
SAN DIEGO	33158	32286	33127	33968	34809	35650
SAN FRANCISCO	15799	15791	15831	15872	15912	15953
SAN JOAQUIN	7145	6994	7122	7251	7379	7508
SAN LUIS OBISPO	3677	3706	3830	3953	4077	4200
SAN MATEO	20069	19801	19731	19660	19590	19520
SANTA BARBARA	4603	4514	4601	4687	4774	4860
SANTA CLARA	20309	20168	20808	21447	22086	22725
SANTA CRUZ	3754	3552	3599	3645	3692	3739
SHASTA	3748	3753	3831	3909	3987	4065
SIERRA	25	26	27	28	29	30
SISKIYOU	1274	1278	1296	1315	1333	1352
SOLANO	5205	5206	5163	5120	5077	5035
SONOMA	5755	5566	5631	5695	5759	5824
STANISLAUS	5598	5561	5705	5849	5992	6136
SUTTER	954	996	1024	1051	1079	1106
TEHAMA	404	425	442	459	475	492
TRINITY	189	187	192	198	203	208
TULARE	4282	4404	4505	4606	4707	4808
TUOLUMNE	907	888	904	919	935	950
VENTURA	9,786	9,404	9,687	9,969	10,251	10,534
YOLO	3,708	3,816	3,911	4,006	4,101	4,196
YUBA	728	731	754	776	799	822

**Table 19 - Non-farm
Equipment, Diesel
(Employment)**

	2000	2001	2002	2003	2004	2005
CALIFORNIA	479402	485006	490610	496216	501822	507429
ALAMEDA	26910	27239	27568	27897	28225	28554
ALPINE	15	15	16	16	16	16
AMADOR	487	492	497	503	508	513
BUTTE	3360	3409	3458	3508	3557	3606
CALAVERAS	725	737	750	762	774	786
COLUSA	277	278	278	279	279	280
CONTRA COSTA	13888	14080	14272	14463	14655	14846
DEL NORTE	219	220	221	222	224	225
EL DORADO	1616	1650	1683	1716	1749	1783
FRESNO	12220	12386	12553	12719	12885	13052
GLENN	236	238	241	243	246	248
HUMBOLDT	2521	2539	2556	2574	2591	2609
IMPERIAL	1910	1931	1951	1972	1992	2012
INYO	355	360	364	369	374	378
KERN	13717	13837	13956	14075	14195	14315
KINGS	918	930	941	953	964	976
LAKE	731	741	752	762	773	783
LASSEN	357	361	364	367	370	374
LOS ANGELES	118041	118916	119793	120670	121547	122425
MADERA	1130	1146	1162	1178	1194	1209
MARIN	3382	3453	3525	3596	3667	3739
MARIPOSA	220	225	230	235	240	246
MENDOCINO	1357	1370	1384	1397	1410	1424
MERCED	2408	2435	2463	2491	2518	2546
MODOC	119	120	121	122	123	125
MONO	282	287	291	295	299	304
MONTEREY	3086	3115	3143	3172	3200	3229
NAPA	1982	2012	2043	2074	2104	2135
NEVADA	1377	1405	1433	1462	1490	1518
ORANGE	38793	39332	39871	40409	40948	41487
PLACER	4128	4214	4301	4387	4473	4560
PLUMAS	378	372	367	362	357	352
RIVERSIDE	17490	17836	18182	18527	18873	19218
SACRAMENTO	19685	20056	20426	20796	21167	21537
SAN BENITO	536	540	544	548	553	557
SAN BERNARDINO	22171	22438	22705	22972	23239	23506
SAN DIEGO	36490	37149	37807	38465	39123	39781
SAN FRANCISCO	15994	16045	16096	16146	16197	16248
SAN JOAQUIN	7636	7695	7754	7813	7872	7931
SAN LUIS OBISPO	4324	4410	4497	4583	4669	4755
SAN MATEO	19451	19556	19661	19766	19872	19977
SANTA BARBARA	4947	4999	5051	5103	5155	5208
SANTA CLARA	23363	23684	24005	24325	24646	24967
SANTA CRUZ	3786	3819	3853	3886	3920	3954
SHASTA	4143	4194	4246	4298	4350	4402
SIERRA	31	32	32	32	32	32
SISKIYOU	1370	1377	1384	1391	1398	1405
SOLANO	4992	5064	5136	5208	5280	5351
SONOMA	5888	5940	5992	6044	6096	6148
STANISLAUS	6279	6353	6428	6502	6577	6651
SUTTER	1134	1146	1159	1172	1185	1198
TEHAMA	509	515	522	529	535	542
TRINITY	214	215	217	219	220	222
TULARE	4909	4977	5044	5111	5178	5246
TUOLUMNE	966	979	992	1,005	1,018	1,031
VENTURA	10,816	10,962	11,108	11,254	11,400	11,547
YOLO	4,290	4,328	4,366	4,403	4,441	4,479
YUBA	844	852	860	868	876	884

**Table 19 - Non-farm
Equipment, Diesel
(Employment)**

	2006	2007	2008	2009	2010	2011
CALIFORNIA	510794	514160	517528	520898	524270	523447
ALAMEDA	28631	28708	28786	28863	28941	28969
ALPINE	17	17	17	18	18	19
AMADOR	513	512	511	511	510	512
BUTTE	3644	3683	3721	3760	3798	3806
CALAVERAS	805	824	842	861	880	872
COLUSA	274	269	263	258	253	255
CONTRA COSTA	15066	15285	15504	15723	15942	15853
DEL NORTE	222	220	217	214	211	214
EL DORADO	1825	1868	1911	1954	1997	1993
FRESNO	13137	13222	13308	13394	13479	13455
GLENN	249	249	249	249	250	251
HUMBOLDT	2612	2615	2618	2621	2623	2623
IMPERIAL	2032	2052	2072	2092	2112	2111
INYO	375	371	367	363	360	365
KERN	14208	14102	13995	13889	13783	13532
KINGS	981	987	992	997	1003	1013
LAKE	795	806	817	829	840	841
LASSEN	373	373	373	373	372	379
LOS ANGELES	122908	123391	123875	124359	124844	124286
MADERA	1222	1234	1247	1259	1272	1268
MARIN	3882	4026	4169	4312	4455	4428
MARIPOSA	248	251	254	257	260	265
MENDOCINO	1421	1419	1417	1414	1412	1414
MERCED	2568	2590	2612	2633	2655	2655
MODOC	125	126	127	128	128	130
MONO	313	322	331	340	349	350
MONTEREY	3258	3286	3315	3344	3373	3380
NAPA	2158	2182	2205	2228	2252	2262
NEVADA	1556	1593	1631	1668	1705	1689
ORANGE	41792	42098	42404	42711	43017	42965
PLACER	4674	4789	4904	5018	5133	5059
PLUMAS	371	390	410	429	448	446
RIVERSIDE	19534	19850	20166	20482	20798	20763
SACRAMENTO	21732	21927	22122	22317	22512	22747
SAN BENITO	564	571	577	584	591	582
SAN BERNARDINO	23541	23576	23612	23648	23684	23719
SAN DIEGO	40214	40648	41082	41516	41951	42065
SAN FRANCISCO	16166	16084	16001	15920	15838	15973
SAN JOAQUIN	7968	8005	8041	8078	8115	8087
SAN LUIS OBISPO	4828	4901	4974	5047	5119	5140
SAN MATEO	20147	20316	20486	20655	20825	20617
SANTA BARBARA	5225	5242	5259	5276	5294	5252
SANTA CLARA	25194	25423	25651	25879	26107	26135
SANTA CRUZ	3967	3980	3993	4006	4019	3995
SHASTA	4445	4488	4531	4574	4616	4627
SIERRA	32	31	30	29	29	29
SISKIYOU	1411	1417	1422	1428	1434	1444
SOLANO	5426	5501	5576	5651	5725	5771
SONOMA	6170	6192	6215	6237	6259	6214
STANISLAUS	6698	6745	6792	6839	6887	6875
SUTTER	1213	1229	1245	1260	1276	1271
TEHAMA	539	536	533	530	527	534
TRINITY	221	220	219	219	218	222
TULARE	5300	5355	5410	5465	5519	5531
TUOLUMNE	1,046	1,061	1,076	1,091	1,106	1,107
VENTURA	11,595	11,643	11,691	11,740	11,788	11,736
YOLO	4,477	4,475	4,474	4,472	4,470	4,453
YUBA	885	886	887	888	888	899

**Table 19 - Non-farm
Equipment, Diesel
(Employment)**

	2012	2013	2014	2015	2016	2017
CALIFORNIA	522629	521815	521004	520197	516216	512241
ALAMEDA	28998	29027	29057	29086	28773	28460
ALPINE	19	20	21	22	23	24
AMADOR	513	515	517	518	520	522
BUTTE	3814	3822	3831	3839	3876	3913
CALAVERAS	863	855	847	838	848	858
COLUSA	257	259	260	262	260	257
CONTRA COSTA	15765	15676	15588	15499	15384	15268
DEL NORTE	217	220	223	225	227	229
EL DORADO	1988	1984	1980	1976	1993	2010
FRESNO	13431	13407	13383	13359	13186	13012
GLENN	252	253	254	255	258	261
HUMBOLDT	2623	2622	2622	2622	2635	2649
IMPERIAL	2110	2109	2108	2107	2129	2150
INYO	370	375	380	385	386	388
KERN	13281	13031	12780	12530	12363	12195
KINGS	1023	1033	1043	1053	1067	1082
LAKE	842	842	843	844	851	858
LASSEN	385	391	397	403	407	411
LOS ANGELES	123729	123174	122619	122066	120360	118657
MADERA	1264	1260	1256	1252	1263	1275
MARIN	4401	4373	4346	4319	4365	4411
MARIPOSA	271	276	282	288	294	300
MENDOCINO	1416	1418	1420	1422	1428	1434
MERCED	2656	2656	2656	2656	2670	2684
MODOC	132	133	135	137	139	142
MONO	351	352	353	353	363	372
MONTEREY	3387	3394	3401	3408	3448	3489
NAPA	2273	2283	2294	2304	2346	2388
NEVADA	1673	1657	1641	1625	1642	1660
ORANGE	42914	42862	42812	42761	42384	42007
PLACER	4985	4911	4837	4763	4762	4761
PLUMAS	444	441	439	437	444	452
RIVERSIDE	20729	20695	20661	20627	20815	21004
SACRAMENTO	22982	23217	23452	23687	21963	20240
SAN BENITO	572	563	553	544	546	547
SAN BERNARDINO	23755	23791	23827	23863	23883	23903
SAN DIEGO	42180	42294	42409	42524	42418	42312
SAN FRANCISCO	16108	16243	16378	16513	16484	16456
SAN JOAQUIN	8059	8031	8003	7975	7975	7975
SAN LUIS OBISPO	5160	5181	5201	5221	5287	5353
SAN MATEO	20409	20201	19994	19787	19560	19333
SANTA BARBARA	5211	5170	5129	5088	5079	5070
SANTA CLARA	26164	26192	26221	26250	26508	26766
SANTA CRUZ	3971	3948	3924	3901	3901	3902
SHASTA	4637	4647	4657	4667	4708	4749
SIERRA	30	30	31	32	32	32
SISKIYOU	1455	1465	1476	1486	1500	1513
SOLANO	5817	5863	5909	5955	6075	6196
SONOMA	6168	6122	6077	6031	6028	6024
STANISLAUS	6864	6853	6842	6831	6862	6894
SUTTER	1266	1261	1256	1252	1268	1285
TEHAMA	542	549	556	563	569	574
TRINITY	226	230	234	238	241	243
TULARE	5542	5554	5566	5577	5629	5680
TUOLUMNE	1,109	1,110	1,111	1,113	1,126	1,140
VENTURA	11,685	11,633	11,582	11,531	11,360	11,190
YOLO	4,436	4,419	4,402	4,385	4,353	4,321
YUBA	909	919	930	940	952	964

**Table 19 - Non-farm
Equipment, Diesel
(Employment)**

	2018	2019	2020
CALIFORNIA	508271	504305	500344
ALAMEDA	28147	27835	27523
ALPINE	25	25	26
AMADOR	524	526	528
BUTTE	3950	3987	4025
CALAVERAS	868	878	887
COLUSA	254	252	249
CONTRA COSTA	15198	15037	14922
DEL NORTE	231	232	234
EL DORADO	2027	2043	2060
FRESNO	12839	12666	12493
GLENN	264	266	269
HUMBOLDT	2662	2676	2690
IMPERIAL	2172	2194	2215
INYO	389	390	391
KERN	12028	11861	11694
KINGS	1096	1110	1124
LAKE	866	873	880
LASSEN	415	420	424
LOS ANGELES	116954	115253	113554
MADERA	1286	1297	1308
MARIN	4457	4503	4549
MARIPOSA	306	312	317
MENDOCINO	1440	1446	1452
MERCED	2698	2712	2726
MODOC	144	147	149
MONO	381	390	399
MONTEREY	3529	3570	3611
NAPA	2430	2472	2513
NEVADA	1677	1695	1712
ORANGE	41631	41255	40880
PLACER	4761	4760	4759
PLUMAS	459	467	474
RIVERSIDE	21192	21381	21570
SACRAMENTO	18517	16796	15076
SAN BENITO	549	551	553
SAN BERNARDINO	23923	23944	23964
SAN DIEGO	42207	42101	41996
SAN FRANCISCO	16427	16399	16371
SAN JOAQUIN	7975	7975	7975
SAN LUIS OBISPO	5418	5484	5549
SAN MATEO	19107	18880	18654
SANTA BARBARA	5062	5053	5045
SANTA CLARA	27024	27282	27540
SANTA CRUZ	3903	3904	3905
SHASTA	4790	4831	4872
SIERRA	32	32	32
SISKIYOU	1526	1539	1552
SOLANO	6316	6437	6558
SONOMA	6021	6017	6013
STANISLAUS	6925	6956	6988
SUTTER	1301	1318	1334
TEHAMA	579	585	590
TRINITY	246	248	251
TULARE	5731	5782	5833
TUOLUMNE	1,153	1,166	1,180
VENTURA	11,020	10,850	10,680
YOLO	4,289	4,257	4,225
YUBA	975	987	999

Table 20 - Shipping
(Employment)

	1970	1971	1972	1973	1974	1975
CALIFORNIA	15914	15500	15126	14673	15044	15826
ALAMEDA	126	130	141	167	232	394
ALPINE	0	0	0	0	0	0
AMADOR	20	20	20	20	19	18
BUTTE	7	7	7	7	7	7
CALAVERAS	2	2	2	3	5	9
COLUSA	1	1	2	2	2	2
CONTRA COSTA	246	246	248	251	259	280
DEL NORTE	7	7	7	7	6	6
EL DORADO	5	5	5	5	5	5
FRESNO	9	9	9	9	10	11
GLENN	0	0	0	0	0	0
HUMBOLDT	65	65	65	65	64	63
IMPERIAL	6	6	6	6	6	6
INYO	0	0	0	0	0	0
KERN	17	17	17	17	18	18
KINGS	0	0	0	0	0	0
LAKE	15	15	15	15	14	14
LASSEN	0	0	0	0	0	0
LOS ANGELES	1275	1285	1309	1369	1520	1897
MADERA	0	0	0	0	0	0
MARIN	116	116	116	116	116	115
MARIPOSA	0	0	0	0	0	0
MENDOCINO	8	8	8	8	8	8
MERCED	14	14	14	14	13	13
MODOC	0	0	0	0	0	0
MONO	1	1	1	1	1	1
MONTEREY	6	6	6	6	7	8
NAPA	2	2	2	2	2	3
NEVADA	0	0	0	0	0	0
ORANGE	197	197	198	198	200	204
PLACER	7	7	7	8	9	13
PLUMAS	0	0	0	0	0	0
RIVERSIDE	21	21	21	21	21	21
SACRAMENTO	83	83	83	83	83	83
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	53	53	53	53	53	53
SAN DIEGO	330	330	330	332	335	344
SAN FRANCISCO	11968	11962	11945	11904	11801	11544
SAN JOAQUIN	48	49	49	49	49	51
SAN LUIS OBISPO	61	61	61	62	63	66
SAN MATEO	122	122	122	121	120	116
SANTA BARBARA	102	102	102	101	99	94
SANTA CLARA	1	1	1	1	2	3
SANTA CRUZ	3	3	3	3	3	3
SHASTA	111	111	111	110	109	106
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	101	101	102	102	102	102
SONOMA	3	3	3	4	4	5
STANISLAUS	17	17	17	17	18	18
SUTTER	0	0	0	0	0	0
TEHAMA	2	2	2	2	2	2
TRINITY	20	20	20	20	20	19
TULARE	14	14	14	14	14	13
TUOLUMNE	0	0	0	0	0	0
VENTURA	82	82	82	82	82	82
YOLO	3	3	3	3	3	3
YUBA	3	3	3	3	3	3

Table 20 - Shipping
(Employment)

	1976	1977	1978	1979	1980	1981
CALIFORNIA	16623	17421	18218	19016	19813	19710
ALAMEDA	800	1206	1612	2018	2424	2338
ALPINE	0	0	0	0	0	0
AMADOR	14	11	7	4	0	0
BUTTE	7	7	8	8	8	11
CALAVERAS	20	30	41	51	62	56
COLUSA	3	4	4	5	6	5
CONTRA COSTA	332	384	436	488	540	482
DEL NORTE	5	4	3	2	1	1
EL DORADO	6	6	7	7	8	18
FRESNO	14	17	19	22	25	28
GLENN	0	0	0	0	0	0
HUMBOLDT	60	56	53	49	46	40
IMPERIAL	6	6	7	7	7	6
INYO	0	0	1	1	1	1
KERN	19	20	21	22	23	21
KINGS	0	0	0	0	0	0
LAKE	13	12	10	9	8	6
LASSEN	1	2	3	4	5	5
LOS ANGELES	2839	3781	4724	5666	6608	6911
MADERA	0	0	0	0	0	1
MARIN	113	111	109	107	105	153
MARIPOSA	0	0	0	0	0	0
MENDOCINO	7	7	6	6	5	4
MERCED	12	11	9	8	7	6
MODOC	0	0	0	0	0	0
MONO	1	1	0	0	0	0
MONTEREY	11	14	17	20	23	26
NAPA	5	6	8	9	11	10
NEVADA	0	0	0	0	0	0
ORANGE	214	224	235	245	255	232
PLACER	22	32	41	51	60	56
PLUMAS	0	0	0	0	0	0
RIVERSIDE	20	20	19	19	18	19
SACRAMENTO	83	84	84	85	85	82
SAN BENITO	0	0	0	0	0	0
SAN BERNARDINO	54	54	55	55	56	59
SAN DIEGO	366	388	409	431	453	540
SAN FRANCISCO	10901	10258	9615	8972	8329	7904
SAN JOAQUIN	55	59	62	66	70	69
SAN LUIS OBISPO	74	82	90	98	106	88
SAN MATEO	107	97	88	78	69	76
SANTA BARBARA	82	69	57	44	32	71
SANTA CLARA	7	10	14	17	21	20
SANTA CRUZ	3	4	4	5	5	8
SHASTA	99	91	84	76	69	60
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0
SOLANO	103	104	104	105	106	123
SONOMA	8	10	13	15	18	16
STANISLAUS	19	20	21	22	23	24
SUTTER	0	0	0	0	0	0
TEHAMA	3	3	4	4	5	4
TRINITY	17	16	14	13	11	9
TULARE	12	10	9	7	6	9
TUOLUMNE	0	0	1	1	1	1
VENTURA	82	82	83	83	83	101
YOLO	4	4	5	5	6	7
YUBA	3	3	3	3	3	3

Table 20 - Shipping
(Employment)

	1982	1983	1984	1985	1986	1987
CALIFORNIA	19608	19505	19403	19300	18875	18450
ALAMEDA	2252	2166	2080	1994	2214	2434
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	15	18	22	25	26	26
CALAVERAS	50	44	38	32	31	31
COLUSA	4	3	2	1	1	1
CONTRA COSTA	424	365	307	249	227	205
DEL NORTE	2	2	3	3	2	2
EL DORADO	27	37	46	56	57	58
FRESNO	31	34	37	40	43	46
GLENN	0	0	0	0	0	0
HUMBOLDT	33	27	20	14	16	18
IMPERIAL	4	3	1	0	0	0
INYO	1	2	2	2	2	1
KERN	18	16	13	11	16	22
KINGS	0	1	1	1	1	1
LAKE	5	3	2	0	0	0
LASSEN	5	6	6	6	5	4
LOS ANGELES	7214	7516	7819	8122	8036	7950
MADERA	2	2	3	4	5	6
MARIN	202	250	299	347	321	294
MARIPOSA	0	0	0	0	0	0
MENDOCINO	3	3	2	1	3	6
MERCED	4	3	1	0	0	0
MODOC	0	0	0	0	0	0
MONO	0	0	0	0	0	0
MONTEREY	28	31	33	36	41	45
NAPA	9	7	6	5	7	9
NEVADA	0	0	0	0	0	0
ORANGE	210	187	165	142	158	173
PLACER	53	49	46	42	49	55
PLUMAS	0	0	0	0	0	0
RIVERSIDE	20	20	21	22	21	20
SACRAMENTO	79	76	73	70	78	87
SAN BENITO	0	0	0	0	0	1
SAN BERNARDINO	63	66	70	73	70	66
SAN DIEGO	627	713	800	887	819	751
SAN FRANCISCO	7480	7055	6631	6206	5708	5210
SAN JOAQUIN	68	66	65	64	81	98
SAN LUIS OBISPO	71	53	36	18	19	21
SAN MATEO	82	89	95	102	88	74
SANTA BARBARA	111	150	190	229	209	189
SANTA CLARA	18	17	15	14	14	14
SANTA CRUZ	11	13	16	19	21	22
SHASTA	51	41	32	23	29	35
SIERRA	0	0	0	0	0	0
SISKIYOU	0	0	0	0	3	6
SOLANO	140	156	173	190	191	192
SONOMA	13	11	8	6	16	26
STANISLAUS	26	27	29	30	32	34
SUTTER	0	0	0	0	0	0
TEHAMA	3	2	1	0	0	0
TRINITY	7	6	4	2	3	4
TULARE	12	16	19	22	20	17
TUOLUMNE	1	0	0	0	2	4
VENTURA	120	138	157	175	174	172
YOLO	9	10	12	13	14	15
YUBA	3	2	2	2	2	2

**Table 20 - Shipping
(Employment)**

	1988	1989	1990	1991	1992	1993
CALIFORNIA	18026	17601	17176	17235	17295	17354
ALAMEDA	2653	2873	3093	3083	3074	3064
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	27	27	28	29	31	32
CALAVERAS	30	30	29	30	31	32
COLUSA	1	1	1	1	1	2
CONTRA COSTA	182	160	138	143	148	152
DEL NORTE	1	1	0	0	0	0
EL DORADO	60	61	62	62	63	63
FRESNO	50	53	56	57	58	59
GLENN	0	0	0	0	0	0
HUMBOLDT	21	23	25	25	26	26
IMPERIAL	0	0	0	0	0	0
INYO	1	0	0	0	0	0
KERN	27	33	38	38	38	38
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	2	1	0	0	0	0
LOS ANGELES	7865	7779	7693	7684	7674	7665
MADERA	8	9	10	11	12	12
MARIN	268	241	215	220	225	230
MARIPOSA	0	0	0	0	0	0
MENDOCINO	8	11	13	13	14	14
MERCED	0	0	0	0	0	0
MODOC	0	0	0	0	0	0
MONO	1	1	1	1	1	1
MONTEREY	50	54	59	59	59	58
NAPA	10	12	14	15	15	16
NEVADA	0	0	0	0	0	0
ORANGE	189	204	220	223	226	229
PLACER	62	68	75	78	81	85
PLUMAS	0	0	0	0	0	0
RIVERSIDE	20	19	18	18	18	18
SACRAMENTO	95	104	112	112	113	113
SAN BENITO	1	2	2	2	2	3
SAN BERNARDINO	63	59	56	58	60	63
SAN DIEGO	684	616	548	554	560	566
SAN FRANCISCO	4711	4213	3715	3744	3773	3803
SAN JOAQUIN	116	133	150	154	159	163
SAN LUIS OBISPO	22	24	25	28	31	33
SAN MATEO	60	46	32	32	32	33
SANTA BARBARA	169	149	129	129	129	130
SANTA CLARA	15	15	15	15	15	16
SANTA CRUZ	24	25	27	27	28	28
SHASTA	42	48	54	56	57	59
SIERRA	0	0	0	0	0	0
SISKIYOU	9	12	15	15	16	16
SOLANO	193	194	195	202	209	216
SONOMA	37	47	57	57	57	56
STANISLAUS	37	39	41	43	44	46
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	5	6	7	7	7	6
TULARE	15	12	10	10	10	11
TUOLUMNE	5	7	9	9	9	10
VENTURA	171	169	168	166	164	161
YOLO	17	18	19	21	22	24
YUBA	2	2	2	2	2	3

Table 20 - Shipping
(Employment)

	1994	1995	1996	1997	1998	1999
CALIFORNIA	17414	17473	17396	17320	17243	17167
ALAMEDA	3055	3045	3049	3052	3056	3059
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	34	35	35	35	35	35
CALAVERAS	33	34	34	34	34	34
COLUSA	2	2	2	2	1	1
CONTRA COSTA	157	162	161	161	160	160
DEL NORTE	0	0	0	0	0	0
EL DORADO	64	64	64	64	65	65
FRESNO	60	61	61	61	62	62
GLENN	0	0	0	0	0	0
HUMBOLDT	27	27	27	27	26	26
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	38	38	39	39	40	40
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	7655	7646	7611	7576	7541	7506
MADERA	13	14	14	14	14	14
MARIN	235	240	240	240	239	239
MARIPOSA	0	0	0	0	0	0
MENDOCINO	15	15	15	15	15	15
MERCED	0	0	0	0	0	0
MODOC	0	0	0	0	0	0
MONO	1	1	1	1	1	1
MONTEREY	58	58	57	57	56	56
NAPA	16	17	17	16	16	15
NEVADA	0	0	0	0	0	0
ORANGE	232	235	235	235	235	235
PLACER	88	91	91	91	90	90
PLUMAS	0	0	0	0	0	0
RIVERSIDE	18	18	18	18	19	19
SACRAMENTO	114	114	114	114	114	114
SAN BENITO	3	3	3	3	3	3
SAN BERNARDINO	65	67	67	67	68	68
SAN DIEGO	572	578	582	585	589	592
SAN FRANCISCO	3832	3861	3819	3777	3734	3692
SAN JOAQUIN	168	172	172	172	171	171
SAN LUIS OBISPO	36	39	39	39	40	40
SAN MATEO	33	33	33	33	32	32
SANTA BARBARA	130	130	129	129	128	128
SANTA CLARA	16	16	16	16	16	16
SANTA CRUZ	29	29	29	29	28	28
SHASTA	60	62	62	62	63	63
SIERRA	0	0	0	0	0	0
SISKIYOU	17	17	17	17	17	17
SOLANO	223	230	224	219	213	208
SONOMA	56	56	56	55	55	54
STANISLAUS	47	49	49	50	50	51
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	6	6	6	6	7	7
TULARE	11	11	11	11	11	11
TUOLUMNE	10	10	10	10	10	10
VENTURA	159	157	158	158	159	159
YOLO	25	27	27	27	27	27
YUBA	3	3	3	3	3	3

**Table 20 - Shipping
(Employment)**

	2000	2001	2002	2003	2004	2005
CALIFORNIA	17090	16955	16820	16685	16550	16415
ALAMEDA	3063	3047	3031	3016	3000	2984
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	35	35	35	34	34	34
CALAVERAS	34	34	34	34	34	34
COLUSA	1	1	1	1	1	1
CONTRA COSTA	159	157	155	154	152	150
DEL NORTE	0	0	0	0	0	0
EL DORADO	65	65	65	64	64	64
FRESNO	62	62	61	61	60	60
GLENN	0	0	0	0	0	0
HUMBOLDT	26	26	26	25	25	25
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	41	41	41	40	40	40
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	7471	7417	7364	7310	7257	7203
MADERA	14	14	14	13	13	13
MARIN	239	238	237	237	236	235
MARIPOSA	0	0	0	0	0	0
MENDOCINO	15	15	15	14	14	14
MERCED	0	0	0	0	0	0
MODOC	0	0	0	0	0	0
MONO	1	1	1	1	1	1
MONTEREY	55	55	54	54	53	53
NAPA	15	15	15	14	14	14
NEVADA	0	0	0	0	0	0
ORANGE	235	234	232	231	229	228
PLACER	90	90	89	89	88	88
PLUMAS	0	0	0	0	0	0
RIVERSIDE	19	19	19	18	18	18
SACRAMENTO	114	114	113	113	112	112
SAN BENITO	3	3	3	2	2	2
SAN BERNARDINO	68	68	67	67	66	66
SAN DIEGO	596	594	591	589	586	584
SAN FRANCISCO	3650	3601	3552	3504	3455	3406
SAN JOAQUIN	171	169	168	166	165	163
SAN LUIS OBISPO	40	40	40	40	40	40
SAN MATEO	32	31	31	30	30	29
SANTA BARBARA	127	126	125	125	124	123
SANTA CLARA	16	16	16	16	16	16
SANTA CRUZ	28	28	27	27	26	26
SHASTA	63	63	62	62	61	61
SIERRA	0	0	0	0	0	0
SISKIYOU	17	17	17	16	16	16
SOLANO	202	202	201	201	200	200
SONOMA	54	54	53	53	52	52
STANISLAUS	51	51	50	50	49	49
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	7	7	7	6	6	6
TULARE	11	11	11	11	11	11
TUOLUMNE	10	10	10	10	10	10
VENTURA	160	159	158	157	156	155
YOLO	27	27	27	26	26	26
YUBA	3	3	3	3	3	3

Table 20 - Shipping
(Employment)

	2006	2007	2008	2009	2010	2011
CALIFORNIA	16272	16130	15987	15845	15702	15480
ALAMEDA	2961	2938	2916	2893	2870	2832
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	34	33	33	32	32	32
CALAVERAS	34	33	33	32	32	32
COLUSA	1	1	1	1	1	1
CONTRA COSTA	148	147	145	144	142	140
DEL NORTE	0	0	0	0	0	0
EL DORADO	64	64	63	63	63	63
FRESNO	60	59	59	58	58	57
GLENN	0	0	0	0	0	0
HUMBOLDT	25	24	24	23	23	23
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	40	40	39	39	39	39
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	7145	7087	7030	6972	6914	6820
MADERA	13	13	12	12	12	12
MARIN	234	233	232	231	230	227
MARIPOSA	0	0	0	0	0	0
MENDOCINO	14	14	13	13	13	13
MERCED	0	0	0	0	0	0
MODOC	0	0	0	0	0	0
MONO	1	1	1	1	1	1
MONTEREY	53	53	52	52	52	52
NAPA	14	14	13	13	13	13
NEVADA	0	0	0	0	0	0
ORANGE	226	224	221	219	217	214
PLACER	87	86	85	84	83	81
PLUMAS	0	0	0	0	0	0
RIVERSIDE	18	18	18	18	18	18
SACRAMENTO	112	111	111	110	110	109
SAN BENITO	2	2	2	2	2	2
SAN BERNARDINO	65	65	64	64	63	62
SAN DIEGO	580	577	573	570	566	561
SAN FRANCISCO	3365	3323	3282	3240	3199	3142
SAN JOAQUIN	162	160	159	157	156	154
SAN LUIS OBISPO	40	40	39	39	39	39
SAN MATEO	28	28	27	27	26	25
SANTA BARBARA	122	121	120	119	118	116
SANTA CLARA	16	16	15	15	15	15
SANTA CRUZ	26	25	25	24	24	23
SHASTA	60	60	59	59	58	57
SIERRA	0	0	0	0	0	0
SISKIYOU	16	16	15	15	15	15
SOLANO	200	200	199	199	199	198
SONOMA	51	51	50	50	49	48
STANISLAUS	49	48	48	47	47	46
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	6	6	6	6	6	6
TULARE	11	11	11	11	11	11
TUOLUMNE	10	10	9	9	9	9
VENTURA	154	153	151	150	149	147
YOLO	26	26	25	25	25	25
YUBA	3	3	3	3	3	3

**Table 20 - Shipping
(Employment)**

	2012	2013	2014	2015	2016	2017
CALIFORNIA	15258	15037	14815	14593	14339	14084
ALAMEDA	2794	2757	2719	2681	2634	2588
ALPINE	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0
BUTTE	31	31	30	30	29	29
CALAVERAS	32	31	31	31	31	30
COLUSA	1	1	1	1	1	1
CONTRA COSTA	137	135	132	130	127	124
DEL NORTE	0	0	0	0	0	0
EL DORADO	62	62	61	61	61	60
FRESNO	56	56	55	54	53	52
GLENN	0	0	0	0	0	0
HUMBOLDT	22	22	21	21	21	20
IMPERIAL	0	0	0	0	0	0
INYO	0	0	0	0	0	0
KERN	38	38	37	37	36	36
KINGS	0	0	0	0	0	0
LAKE	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0
LOS ANGELES	6726	6633	6539	6445	6344	6242
MADERA	12	11	11	11	11	11
MARIN	224	221	218	215	211	207
MARIPOSA	0	0	0	0	0	0
MENDOCINO	13	12	12	12	12	11
MERCED	0	0	0	0	0	0
MODOC	0	0	0	0	0	0
MONO	1	1	1	1	1	1
MONTEREY	51	51	50	50	49	49
NAPA	13	12	12	12	12	11
NEVADA	0	0	0	0	0	0
ORANGE	211	207	204	201	197	193
PLACER	80	78	77	75	73	71
PLUMAS	0	0	0	0	0	0
RIVERSIDE	18	17	17	17	17	16
SACRAMENTO	108	108	107	106	105	104
SAN BENITO	2	2	2	2	2	2
SAN BERNARDINO	61	61	60	59	58	57
SAN DIEGO	555	550	544	539	531	523
SAN FRANCISCO	3085	3028	2971	2914	2852	2790
SAN JOAQUIN	152	149	147	145	142	140
SAN LUIS OBISPO	38	38	37	37	36	36
SAN MATEO	25	24	24	23	22	21
SANTA BARBARA	114	112	110	108	106	103
SANTA CLARA	15	14	14	14	14	14
SANTA CRUZ	23	22	22	21	20	20
SHASTA	56	56	55	54	53	52
SIERRA	0	0	0	0	0	0
SISKIYOU	15	14	14	14	14	13
SOLANO	197	195	194	193	191	188
SONOMA	47	47	46	45	44	43
STANISLAUS	46	45	45	44	43	42
SUTTER	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0
TRINITY	6	6	6	6	6	6
TULARE	11	10	10	10	10	10
TUOLUMNE	9	9	9	9	9	9
VENTURA	145	142	140	138	136	133
YOLO	25	24	24	24	24	23
YUBA	3	3	3	3	3	3

**Table 20 - Shipping
(Employment)**

	2018	2019	2020
CALIFORNIA	13830	13575	13321
ALAMEDA	2541	2495	2448
ALPINE	0	0	0
AMADOR	0	0	0
BUTTE	28	28	27
CALAVERAS	30	29	29
COLUSA	1	1	1
CONTRA COSTA	120	117	114
DEL NORTE	0	0	0
EL DORADO	60	59	59
FRESNO	52	51	50
GLENN	0	0	0
HUMBOLDT	20	19	19
IMPERIAL	0	0	0
INYO	0	0	0
KERN	35	35	34
KINGS	0	0	0
LAKE	0	0	0
LASSEN	0	0	0
LOS ANGELES	6141	6039	5938
MADERA	10	10	10
MARIN	203	199	195
MARIPOSA	0	0	0
MENDOCINO	11	10	10
MERCED	0	0	0
MODOC	0	0	0
MONO	1	1	1
MONTEREY	48	48	47
NAPA	11	10	10
NEVADA	0	0	0
ORANGE	188	184	180
PLACER	70	68	66
PLUMAS	0	0	0
RIVERSIDE	16	15	15
SACRAMENTO	103	102	101
SAN BENITO	2	2	2
SAN BERNARDINO	55	54	53
SAN DIEGO	516	508	500
SAN FRANCISCO	2728	2666	2604
SAN JOAQUIN	137	135	132
SAN LUIS OBISPO	35	35	34
SAN MATEO	21	20	19
SANTA BARBARA	101	98	96
SANTA CLARA	14	14	14
SANTA CRUZ	19	19	18
SHASTA	52	51	50
SIERRA	0	0	0
SISKIYOU	13	12	12
SOLANO	186	183	181
SONOMA	41	40	39
STANISLAUS	42	41	40
SUTTER	0	0	0
TEHAMA	0	0	0
TRINITY	6	6	6
TULARE	9	9	9
TUOLUMNE	8	8	8
VENTURA	131	128	126
YOLO	23	22	22
YUBA	2	2	2

**Table 21 - Locomotive
(Employment)**

	1970	1971	1972	1973	1974	1975
CALIFORNIA	33740	33432	33156	32814	32387	31961
ALAMEDA	2819	2770	2727	2673	2606	2539
ALPINE	0	0	0	0	0	0
AMADOR	13	13	13	14	14	15
BUTTE	90	91	91	91	92	92
CALAVERAS	8	9	10	11	12	13
COLUSA	35	34	33	31	29	27
CONTRA COSTA	665	662	659	655	651	646
DEL NORTE	44	43	41	39	37	35
EL DORADO	75	74	73	71	69	67
FRESNO	720	712	704	695	684	672
GLENN	15	15	16	16	17	18
HUMBOLDT	154	155	155	155	156	156
IMPERIAL	136	132	129	125	120	115
INYO	19	19	19	20	20	21
KERN	590	575	563	547	528	508
KINGS	77	76	75	74	72	71
LAKE	0	1	2	4	6	8
LASSEN	13	13	13	13	13	13
LOS ANGELES	12390	12367	12346	12320	12288	12256
MADERA	31	32	33	34	36	37
MARIN	154	151	148	145	140	136
MARIPOSA	0	1	1	1	2	2
MENDOCINO	66	64	62	60	57	54
MERCED	159	156	154	150	146	142
MODOC	1	1	1	2	2	3
MONO	5	4	4	4	3	3
MONTEREY	294	289	285	279	272	265
NAPA	21	24	26	29	33	37
NEVADA	0	0	0	2	6	9
ORANGE	913	956	994	1041	1101	1160
PLACER	32	34	36	39	43	46
PLUMAS	8	9	9	10	11	12
RIVERSIDE	553	530	509	483	451	419
SACRAMENTO	508	519	528	540	554	569
SAN BENITO	19	19	19	19	19	19
SAN BERNARDINO	363	385	404	429	459	490
SAN DIEGO	1280	1269	1260	1248	1234	1219
SAN FRANCISCO	3979	3823	3684	3511	3295	3078
SAN JOAQUIN	623	614	606	596	583	571
SAN LUIS OBISPO	118	121	123	126	129	133
SAN MATEO	3888	3781	3686	3567	3418	3269
SANTA BARBARA	155	162	167	174	183	192
SANTA CLARA	1007	1007	1007	1006	1006	1005
SANTA CRUZ	164	163	162	160	158	156
SHASTA	115	118	121	124	129	133
SIERRA	1	0	0	0	0	0
SISKIYOU	56	55	54	52	50	48
SOLANO	142	149	155	162	172	181
SONOMA	200	203	205	208	211	215
STANISLAUS	251	251	251	250	250	250
SUTTER	16	19	21	24	28	32
TEHAMA	20	21	22	23	25	27
TRINITY	10	10	9	9	8	7
TULARE	291	283	275	266	255	244
TUOLUMNE	27	27	27	27	27	27
VENTURA	243	250	255	262	271	280
YOLO	124	134	142	153	167	181
YUBA	43	42	41	40	39	38

**Table 21 - Locomotive
(Employment)**

	1976	1977	1978	1979	1980	1981
CALIFORNIA	31535	31108	30682	30255	29829	28156
ALAMEDA	2472	2405	2337	2270	2203	2042
ALPINE	0	0	0	0	0	0
AMADOR	16	16	17	17	18	16
BUTTE	92	93	93	94	94	96
CALAVERAS	14	15	17	18	19	17
COLUSA	25	23	21	19	17	16
CONTRA COSTA	641	637	632	628	623	560
DEL NORTE	33	31	28	26	24	20
EL DORADO	65	63	61	59	57	52
FRESNO	660	649	637	626	614	553
GLENN	19	20	20	21	22	19
HUMBOLDT	156	157	157	158	158	145
IMPERIAL	110	105	100	95	90	82
INYO	22	22	23	23	24	20
KERN	488	469	449	430	410	394
KINGS	70	68	67	65	64	59
LAKE	10	12	14	16	18	18
LASSEN	13	13	13	13	13	13
LOS ANGELES	12224	12192	12159	12127	12095	11320
MADERA	38	40	41	43	44	39
MARIN	132	127	123	118	114	112
MARIPOSA	2	3	3	4	4	4
MENDOCINO	51	48	46	43	40	37
MERCED	138	134	129	125	121	116
MODOC	4	4	5	5	6	5
MONO	3	2	2	1	1	1
MONTEREY	258	251	244	237	230	210
NAPA	41	45	48	52	56	49
NEVADA	12	16	19	23	26	23
ORANGE	1219	1279	1338	1398	1457	1428
PLACER	49	53	56	60	63	61
PLUMAS	13	14	15	16	17	14
RIVERSIDE	387	355	322	290	258	267
SACRAMENTO	584	598	613	627	642	622
SAN BENITO	19	19	19	19	19	18
SAN BERNARDINO	521	551	582	612	643	654
SAN DIEGO	1204	1190	1175	1161	1146	1115
SAN FRANCISCO	2861	2645	2428	2212	1995	1933
SAN JOAQUIN	559	546	534	521	509	490
SAN LUIS OBISPO	137	140	144	147	151	134
SAN MATEO	3120	2971	2823	2674	2525	2365
SANTA BARBARA	201	210	218	227	236	219
SANTA CLARA	1004	1004	1003	1003	1002	948
SANTA CRUZ	154	152	150	148	146	139
SHASTA	137	142	146	151	155	149
SIERRA	0	0	1	1	1	1
SISKIYOU	46	44	42	40	38	37
SOLANO	190	200	209	219	228	211
SONOMA	219	222	226	229	233	214
STANISLAUS	250	250	249	249	249	239
SUTTER	36	40	43	47	51	44
TEHAMA	29	31	32	34	36	32
TRINITY	6	5	5	4	3	3
TULARE	233	222	210	199	188	186
TUOLUMNE	27	27	27	27	27	23
VENTURA	289	298	306	315	324	306
YOLO	195	209	222	236	250	236
YUBA	37	36	34	33	32	31

Table 21 - Locomotive
(Employment)

	1982	1983	1984	1985	1986	1987
CALIFORNIA	26483	24810	23137	21464	20242	19021
ALAMEDA	1880	1719	1557	1396	1327	1257
ALPINE	0	0	0	0	0	0
AMADOR	14	13	11	9	9	9
BUTTE	99	101	104	106	99	93
CALAVERAS	16	14	13	11	12	13
COLUSA	16	15	15	14	14	14
CONTRA COSTA	497	435	372	309	290	271
DEL NORTE	16	13	9	5	5	5
EL DORADO	47	41	36	31	29	27
FRESNO	492	430	369	308	308	307
GLENN	15	12	8	5	5	4
HUMBOLDT	131	118	104	91	86	81
IMPERIAL	74	65	57	49	47	46
INYO	16	13	9	5	5	5
KERN	377	361	344	328	304	279
KINGS	54	48	43	38	33	28
LAKE	18	17	17	17	15	13
LASSEN	12	12	11	11	11	10
LOS ANGELES	10544	9769	8993	8218	7734	7250
MADERA	35	30	26	21	19	18
MARIN	110	108	106	104	96	88
MARIPOSA	4	3	3	3	3	3
MENDOCINO	34	31	28	25	27	28
MERCED	111	105	100	95	90	85
MODOC	4	4	3	2	2	2
MONO	1	2	2	2	2	2
MONTEREY	190	169	149	129	120	111
NAPA	42	34	27	20	20	21
NEVADA	20	17	14	11	11	12
ORANGE	1400	1371	1343	1314	1236	1158
PLACER	59	57	55	53	50	47
PLUMAS	12	9	7	4	4	4
RIVERSIDE	276	284	293	302	297	292
SACRAMENTO	601	581	560	540	521	502
SAN BENITO	17	15	14	13	12	12
SAN BERNARDINO	665	677	688	699	679	659
SAN DIEGO	1084	1054	1023	992	956	920
SAN FRANCISCO	1871	1808	1746	1684	1522	1360
SAN JOAQUIN	471	452	433	414	385	356
SAN LUIS OBISPO	118	101	85	68	69	70
SAN MATEO	2204	2044	1883	1723	1613	1503
SANTA BARBARA	202	184	167	150	137	124
SANTA CLARA	894	839	785	731	683	635
SANTA CRUZ	132	125	118	111	108	106
SHASTA	143	138	132	126	119	112
SIERRA	1	1	1	1	1	1
SISKIYOU	35	34	32	31	29	27
SOLANO	193	176	158	141	134	127
SONOMA	195	175	156	137	132	127
STANISLAUS	230	220	211	201	190	179
SUTTER	37	30	23	16	15	13
TEHAMA	28	23	19	15	13	12
TRINITY	3	3	3	3	3	3
TULARE	184	181	179	177	164	151
TUOLUMNE	20	16	13	9	9	10
VENTURA	289	271	254	236	238	239
YOLO	222	209	195	181	173	165
YUBA	31	30	30	29	27	26

Table 21 - Locomotive
(Employment)

	1988	1989	1990	1991	1992	1993
CALIFORNIA	17799	16578	15356	14959	14562	14165
ALAMEDA	1188	1118	1049	1007	966	924
ALPINE	0	0	0	0	0	0
AMADOR	10	10	10	10	10	10
BUTTE	86	80	73	74	74	75
CALAVERAS	13	14	15	15	15	14
COLUSA	14	14	14	14	14	13
CONTRA COSTA	253	234	215	213	211	210
DEL NORIE	4	4	4	4	4	3
EL DORADO	25	23	21	20	20	19
FRESNO	307	306	306	301	296	291
GLENN	4	3	3	3	3	3
HUMBOLDT	76	71	66	64	62	60
IMPERIAL	44	43	41	42	43	45
INYO	4	4	4	4	4	3
KERN	255	230	206	199	192	185
KINGS	22	17	12	12	12	13
LAKE	11	9	7	7	7	6
LASSEN	10	9	9	9	9	10
LOS ANGELES	6767	6283	5799	5601	5403	5205
MADERA	16	15	13	13	14	14
MARIN	79	71	63	62	61	61
MARIPOSA	3	3	3	3	3	4
MENDOCINO	30	31	33	32	31	31
MERCED	80	75	70	70	70	70
MODOC	2	2	2	2	2	2
MONO	1	1	1	1	1	1
MONTEREY	103	94	85	82	79	76
NAPA	21	22	22	22	22	22
NEVADA	12	13	13	13	13	14
ORANGE	1081	1003	925	906	886	867
PLACER	43	40	37	37	37	37
PLUMAS	3	3	3	3	3	3
RIVERSIDE	287	282	277	269	261	253
SACRAMENTO	483	464	445	430	416	401
SAN BENITO	11	11	10	10	10	10
SAN BERNARDINO	639	619	599	600	601	602
SAN DIEGO	883	847	811	791	772	752
SAN FRANCISCO	1199	1037	875	852	829	805
SAN JOAQUIN	327	298	269	267	264	262
SAN LUIS OBISPO	70	71	72	75	79	82
SAN MATEO	1394	1284	1174	1143	1113	1082
SANTA BARBARA	111	98	85	82	79	77
SANTA CLARA	586	538	490	482	475	467
SANTA CRUZ	103	101	98	96	94	92
SHASTA	106	99	92	91	91	90
SIERRA	1	1	1	1	1	0
SISKIYOU	25	23	21	21	21	20
SOLANO	121	114	107	107	107	106
SONOMA	122	117	112	108	104	99
STANISLAUS	167	156	145	145	145	144
SUTTER	12	10	9	9	10	10
TEHAMA	10	9	7	7	7	8
TRINITY	3	3	3	3	3	2
TULARE	139	126	113	111	110	108
TUOLUMNE	10	11	11	11	11	10
VENTURA	241	242	244	233	222	212
YOLO	157	149	141	146	151	156
YUBA	24	23	21	21	21	22

**Table 21 - Locomotive
(Employment)**

	1994	1995	1996	1997	1998	1999
CALIFORNIA	13768	13371	13246	13121	12996	12871
ALAMEDA	883	841	836	832	827	823
ALPINE	0	0	0	0	0	0
AMADOR	10	10	10	10	9	9
BUTTE	75	76	75	75	74	74
CALAVERAS	14	14	14	14	14	14
COLUSA	13	13	13	13	12	12
CONTRA COSTA	208	206	204	202	199	197
DEL NORTE	3	3	3	3	3	3
EL DORADO	19	18	18	18	17	17
FRESNO	286	281	280	279	279	278
GLENN	3	3	3	3	3	3
HUMBOLDT	58	56	56	55	55	54
IMPERIAL	46	47	46	46	45	45
INYO	3	3	3	3	3	3
KERN	178	171	173	175	177	179
KINGS	13	13	13	12	12	11
LAKE	6	6	6	6	5	5
LASSEN	10	10	10	10	9	9
LOS ANGELES	5007	4809	4752	4696	4639	4583
MADERA	15	15	15	15	15	15
MARIN	60	59	58	58	57	57
MARIPOSA	4	4	4	4	4	4
MENDOCINO	30	29	29	29	28	28
MERCED	70	70	69	69	68	68
MODOC	2	2	2	2	2	2
MONO	1	1	1	1	1	1
MONTEREY	73	70	69	68	66	65
NAPA	22	22	21	20	20	19
NEVADA	14	14	14	14	13	13
ORANGE	847	828	822	816	810	804
PLACER	37	37	37	37	36	36
PLUMAS	3	3	3	3	3	3
RIVERSIDE	245	237	236	236	235	235
SACRAMENTO	387	372	369	367	364	362
SAN BENITO	10	10	10	10	10	10
SAN BERNARDINO	603	604	601	598	596	593
SAN DIEGO	733	713	712	711	711	710
SAN FRANCISCO	782	759	745	730	716	701
SAN JOAQUIN	259	257	255	253	251	249
SAN LUIS OBISPO	86	89	89	89	89	89
SAN MATEO	1052	1021	1004	987	970	953
SANTA BARBARA	74	71	70	70	69	69
SANTA CLARA	460	452	452	453	453	454
SANTA CRUZ	90	88	86	84	83	81
SHASTA	90	89	89	88	88	87
SIERRA	0	0	0	0	0	0
SISKIYOU	20	20	20	19	19	18
SOLANO	106	106	103	100	96	93
SONOMA	95	91	90	89	88	87
STANISLAUS	144	144	144	144	144	144
SUTTER	11	11	11	11	11	11
TEHAMA	8	8	8	8	8	8
TRINITY	2	2	2	2	2	2
TULARE	107	105	104	104	103	103
TUOLUMNE	10	10	10	10	9	9
VENTURA	201	190	189	188	188	187
YOLO	161	166	165	164	163	162
YUBA	22	22	22	22	21	21

Table 21 - Locomotive
(Employment)

	2000	2001	2002	2003	2004	2005
CALIFORNIA	12746	12703	12659	12616	12572	12529
ALAMEDA	818	817	816	816	815	814
ALPINE	0	0	0	0	0	0
AMADOR	9	9	9	9	9	9
BUTTE	73	73	73	72	72	72
CALAVERAS	14	14	14	14	14	14
COLUSA	12	12	12	12	12	12
CONTRA COSTA	195	194	193	191	190	189
DEL NORIE	3	3	3	3	3	3
EL DORADO	17	17	17	17	17	17
FRESNO	277	276	276	275	275	274
GLENN	3	3	3	3	3	3
HUMBOLDT	54	53	53	52	52	51
IMPERIAL	44	44	43	43	42	42
INYO	3	3	3	3	3	3
KERN	181	181	181	180	180	180
KINGS	11	11	11	11	11	11
LAKE	5	5	5	5	5	5
LASSEN	9	9	9	9	9	9
LOS ANGELES	4526	4509	4493	4476	4460	4443
MADERA	15	15	15	14	14	14
MARIN	56	56	56	56	56	56
MARIPOSA	4	4	4	5	5	5
MENDOCINO	28	28	28	27	27	27
MERCED	67	67	67	67	67	67
MODOC	2	2	2	2	2	2
MONO	1	1	1	1	1	1
MONTEREY	64	64	64	63	63	63
NAPA	18	18	18	18	18	18
NEVADA	13	13	13	13	13	13
ORANGE	798	797	796	794	793	792
PLACER	36	36	36	35	35	35
PLUMAS	3	3	3	3	3	3
RIVERSIDE	234	234	234	235	235	235
SACRAMENTO	359	359	360	360	361	361
SAN BENITO	10	10	10	9	9	9
SAN BERNARDINO	590	589	588	587	586	585
SAN DIEGO	709	709	708	708	707	707
SAN FRANCISCO	687	681	676	670	665	659
SAN JOAQUIN	247	246	244	243	241	240
SAN LUIS OBISPO	89	89	89	90	90	90
SAN MATEO	936	926	915	905	894	884
SANTA BARBARA	68	68	68	67	67	67
SANTA CLARA	454	454	454	453	453	453
SANTA CRUZ	79	78	78	77	77	76
SHASTA	87	87	86	86	85	85
SIERRA	0	0	0	0	0	0
SISKIYOU	18	18	18	18	18	18
SOLANO	90	90	90	91	91	91
SONOMA	86	85	85	84	84	83
STANISLAUS	144	144	144	143	143	143
SUTTER	11	11	11	11	11	11
TEHAMA	8	8	8	8	8	8
TRINITY	2	2	2	2	2	2
TULARE	102	102	102	102	102	102
TUOLUMNE	9	9	9	9	9	9
VENTURA	186	186	185	185	184	184
YOLO	161	161	161	160	160	160
YUBA	21	21	21	20	20	20

Table 21 - Locomotive
(Employment)

	2006	2007	2008	2009	2010	2011
CALIFORNIA	12504	12479	12453	12428	12403	12276
ALAMEDA	813	813	812	812	811	804
ALPINE	0	0	0	0	0	0
AMADOR	9	9	9	9	9	9
BUTTE	72	72	71	71	71	70
CALAVERAS	14	14	14	14	14	14
COLUSA	12	12	11	11	11	11
CONTRA COSTA	188	187	187	186	185	182
DEL NORTE	3	3	3	3	3	3
EL DORADO	17	17	18	18	18	18
FRESNO	273	273	272	272	271	268
GLENN	3	3	3	3	3	3
HUMBOLDT	51	51	50	50	50	49
IMPERIAL	42	42	42	42	42	41
INYO	3	3	3	3	3	3
KERN	180	180	180	180	180	179
KINGS	11	11	12	12	12	12
LAKE	5	5	5	5	5	5
LASSEN	9	9	9	9	9	9
LOS ANGELES	4435	4427	4419	4411	4403	4359
MADERA	14	14	14	14	14	14
MARIN	56	57	57	58	58	58
MARIPOSA	5	5	5	5	5	5
MENDOCINO	27	27	26	26	26	26
MERCED	67	67	67	67	67	67
MODOC	2	2	2	2	2	2
MONO	1	1	1	1	1	1
MONTEREY	63	63	63	63	63	63
NAPA	18	18	17	17	17	17
NEVADA	13	13	13	13	13	13
ORANGE	789	787	784	782	779	770
PLACER	35	35	34	34	34	33
PLUMAS	3	3	2	2	2	2
RIVERSIDE	235	236	236	237	237	235
SACRAMENTO	361	362	362	363	363	361
SAN BENITO	9	9	9	9	9	9
SAN BERNARDINO	584	583	581	580	579	573
SAN DIEGO	707	707	708	708	708	704
SAN FRANCISCO	658	657	657	656	655	649
SAN JOAQUIN	239	239	238	238	237	235
SAN LUIS OBISPO	90	91	91	92	92	91
SAN MATEO	876	867	859	850	842	826
SANTA BARBARA	67	67	66	66	66	65
SANTA CLARA	453	453	454	454	454	451
SANTA CRUZ	75	74	74	73	72	71
SHASTA	85	85	84	84	84	83
SIERRA	0	0	0	0	0	0
SISKIYOU	18	18	17	17	17	17
SOLANO	91	92	92	93	93	93
SONOMA	83	83	82	82	82	81
STANISLAUS	143	142	142	141	141	140
SUTTER	11	11	11	11	11	11
TEHAMA	8	8	8	8	8	8
TRINITY	2	2	2	2	2	2
TULARE	102	102	102	102	102	101
TUOLUMNE	9	9	9	9	9	9
VENTURA	184	183	183	182	182	180
YOLO	159	159	158	158	157	155
YUBA	20	20	20	20	20	20

**Table 21 - Locomotive
(Employment)**

	2012	2013	2014	2015	2016	2017
CALIFORNIA	12150	12023	11897	11770	11572	11375
ALAMEDA	796	789	781	774	762	749
ALPINE	0	0	0	0	0	0
AMADOR	9	8	8	8	8	8
BUTTE	69	69	68	67	66	64
CALAVERAS	14	14	14	14	14	14
COLUSA	11	10	10	10	10	10
CONTRA COSTA	180	177	175	172	168	164
DEL NORTE	3	2	2	2	2	2
EL DORADO	18	17	17	17	17	17
FRESNO	266	263	261	258	254	250
GLENN	3	3	3	3	3	3
HUMBOLDT	48	48	47	46	45	44
IMPERIAL	41	40	40	39	38	38
INYO	3	2	2	2	2	2
KERN	177	176	174	173	171	169
KINGS	12	11	11	11	11	11
LAKE	5	5	5	5	5	5
LASSEN	9	9	9	9	9	9
LOS ANGELES	4315	4270	4226	4182	4118	4055
MADERA	14	13	13	13	13	12
MARIN	58	57	57	57	56	55
MARIPOSA	5	5	5	5	5	5
MENDOCINO	25	25	24	24	23	23
MERCED	66	66	65	65	64	63
MODOC	2	2	2	2	2	2
MONO	1	1	1	1	1	1
MONTEREY	63	62	62	62	61	60
NAPA	17	16	16	16	15	15
NEVADA	13	12	12	12	12	11
ORANGE	760	751	741	732	716	701
PLACER	33	32	32	31	30	29
PLUMAS	2	2	2	2	2	2
RIVERSIDE	233	230	228	226	221	217
SACRAMENTO	359	357	355	353	349	345
SAN BENITO	9	8	8	8	8	8
SAN BERNARDINO	567	561	555	549	538	528
SAN DIEGO	700	695	691	687	677	667
SAN FRANCISCO	643	637	631	625	615	605
SAN JOAQUIN	232	230	227	225	221	217
SAN LUIS OBISPO	91	90	90	89	88	86
SAN MATEO	810	795	779	763	744	725
SANTA BARBARA	64	63	62	61	60	59
SANTA CLARA	448	445	442	439	434	428
SANTA CRUZ	70	68	67	66	64	62
SHASTA	82	82	81	80	79	78
SIERRA	0	0	0	0	0	0
SISKIYOU	17	16	16	16	16	15
SOLANO	93	93	93	93	92	91
SONOMA	79	78	76	75	73	71
STANISLAUS	138	137	135	134	131	129
SUTTER	11	10	10	10	10	10
TEHAMA	8	8	8	8	8	8
TRINITY	2	2	2	2	2	2
TULARE	100	99	98	97	95	94
TUOLUMNE	9	9	9	9	9	9
VENTURA	178	176	174	172	169	166
YOLO	154	152	151	149	147	145
YUBA	20	20	20	20	20	20

**Table 21 - Locomotive
(Employment)**

	2018	2019	2020
CALIFORNIA	11177	10980	10782
ALAMEDA	737	724	712
ALPINE	0	0	0
AMADOR	7	7	7
BUTTE	63	61	60
CALAVERAS	13	13	13
COLUSA	9	9	9
CONTRA COSTA	161	157	153
DEL NORTE	2	2	2
EL DORADO	16	16	16
FRESNO	246	242	238
GLENN	2	2	2
HUMBOLDT	44	43	42
IMPERIAL	37	37	36
INYO	2	2	2
KERN	166	164	162
KINGS	11	11	11
LAKE	4	4	4
LASSEN	8	8	8
LOS ANGELES	3991	3928	3864
MADERA	12	11	11
MARIN	55	54	53
MARIPOSA	5	5	5
MENDOCINO	22	22	21
MERCED	61	60	59
MODOC	2	2	2
MONO	1	1	1
MONTEREY	60	59	58
NAPA	14	14	13
NEVADA	11	10	10
ORANGE	685	670	654
PLACER	29	28	27
PLUMAS	2	2	2
RIVERSIDE	212	208	203
SACRAMENTO	340	336	332
SAN BENITO	7	7	7
SAN BERNARDINO	517	507	496
SAN DIEGO	658	648	638
SAN FRANCISCO	595	585	575
SAN JOAQUIN	213	209	205
SAN LUIS OBISPO	85	83	82
SAN MATEO	707	688	669
SANTA BARBARA	57	56	55
SANTA CLARA	423	417	412
SANTA CRUZ	60	58	56
SHASTA	76	75	74
SIERRA	0	0	0
SISKIYOU	15	14	14
SOLANO	91	90	89
SONOMA	70	68	66
STANISLAUS	126	124	121
SUTTER	9	9	9
TEHAMA	7	7	7
TRINITY	2	2	2
TULARE	92	91	89
TUOLUMNE	8	8	8
VENTURA	164	161	158
YOLO	143	141	139
YUBA	19	19	19

APPENDIX B - STATISTICAL RELIABILITY OF PROJECTIONS

Projections for each activity reported here were estimated using multiple regression analysis, autoregressive integrative moving averages (ARIMA) and other established statistical procedures. In addition, forecasts available from various sources (for example, Department of Defense) and information from trade sources was employed to validate forecasts derived from the statistical models. The projections are what is statistically called "conditional forecasts." These are based on a set of underlying forecasts of other economic variables such as growth in population, personal income, gross domestic product, and prices of fuels (described in the introductory section).

The purpose of this report is to provide reliable estimates of the non_road activities based on the most accurate data available. Still, these projections are subject to statistical uncertainty due to a number of factors. First, the sample data on which the projections are based itself may be subject to error due data gathering problems. Second, the specified models may not be "true" models which generate the actual path of the activities. Finally, the estimated model coefficients are subject to estimation error. These three problems are encountered by all statistical models.

While the best effort was made to acquire the most appropriate and accurate data and utmost care was expended on model specification, it is not possible to quantify errors due to these sources. It is, however, possible to provide measures of the statistical reliability of the estimated projections due to estimation uncertainty. This is done by using "confidence intervals."

To construct a confidence interval for a forecast one needs to calculate the appropriate forecast error variance. The estimated forecast error variance can be computed as

$$S_f^2 = S^2 \left[1 + \frac{1}{T} + \frac{(X_{T+1} - \bar{X})^2}{\sum (X_i - \bar{X})^2} \right]$$

If the underlying distribution is normal, a band twice the size of the standard error will provide a 95% confidence interval. In other words, there is 95% chance that the actual values will lie in that band. A band one standard error wide will represent a 66% confidence interval. Even when there is uncertainty about the shape of the underlying distribution, application of Tchebycheff's Inequality (Kendall and Stuart, 1952) provides similar results regarding the confidence intervals.

Figures in the text show each of the non-road mobile activities for California for historical and projected periods and show one standard deviation bands for the 68% intervals.

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