

**Vehicle Ownership Forecasts  
for the  
San Francisco Bay Area  
1990 - 2030**

**Based on ABAG Projections 2000 & Projections 2005**

**Data Summary**



Planning Section  
Metropolitan Transportation Commission  
101 Eighth Street  
Oakland, California 94607-4700  
(510) 464-7700

November 2005

**List of Tables & Figures**

Table R.1. Regional Summary of Bay Area Auto Ownership Forecasts ..... v  
 Figure R.1. Number of Bay Area Households by Vehicles in Household Level: 1990-2030 ..... vi

Table 1. Households by Workers in Household Forecasts by Bay Area County ..... 9  
 Table 2. Households by Vehicles in Household Forecasts by Bay Area County ..... 13

Table S.1. Non-Working Households by MTC 34 Superdistrict & County ..... 17  
 Table S.2. Single-Worker Households by MTC 34 Superdistrict & County ..... 18  
 Table S.3. Multi-Worker Households by MTC 34 Superdistrict & County ..... 19  
 Table S.4. Total Households by MTC 34 Superdistrict & County ..... 20  
 Table S.5. Share of Non-Working of Total Households by MTC 34 Superdistrict and County . 21  
 Table S.6. Share of Single-Worker of Total Households by MTC 34 Superdistrict and County 22  
 Table S.7. Share of Multi-Worker of Total Households by MTC 34 Superdistrict and County . 23  
 Table S.8. Zero Vehicle Households by MTC 34 Superdistrict & County ..... 24  
 Table S.9. Single Vehicle Households by MTC 34 Superdistrict & County ..... 25  
 Table S.10. Multi-Vehicle Households by MTC 34 Superdistrict & County ..... 26  
 Table S.11. Total Households by MTC 34 Superdistrict & County ..... 27  
 Table S.12. Share of Zero Vehicle of Total Households by MTC 34 Superdistrict and County . 28  
 Table S.13. Share of Single Vehicle of Total Households by MTC 34 Superdistrict and County 29  
 Table S.14. Share of Multi-Vehicle of Total Households by MTC 34 Superdistrict and County 30  
 Table S.15. Total Vehicles Available in Households by MTC 34 Superdistrict and County ..... 31  
 Table S.16. Average Total Vehicles Available per Household by MTC 34 Superdistrict and  
 County ..... 32  
 Table S.17. Vehicle Ownership Density by MTC 34 Superdistrict and County ..... 33

Table A.1. Households by Number of Vehicles Available by MTC 34 Superdistrict & County,  
 1980-2000: 1980, 1990 and 2000 Decennial Censuses ..... 34  
 Table A.2. Share of Households by Number of Vehicles Available by MTC 34 Superdistrict &  
 County, 1980-2000: 1980, 1990 and 2000 Decennial Censuses ..... 36  
 Table A.3. Vehicles Available by MTC 34 Superdistrict & County, 1980-2000: 1980, 1990 and  
 2000 Decennial Censuses ..... 38  
 Table A.4. Households by Vehicle Availability – 1960-2000 ..... 40  
 Table A.5. Household Vehicles Available – by County – 1960-2000 ..... 41

Figure 1. Map of MTC 34 Superdistricts ..... 42

## SUMMARY OF FINDINGS

### The Past – 1990-2000

1. Total population in the nine-county San Francisco Bay Area increased from 6.02 million residents in 1990 to 6.78 million residents in 2000, a 12.7 percent increase over the decade. This represents 764 thousand new Bay Area residents between 1990 and 2000.
2. The number of households residing in the Bay Area increased from 2.25 million households in 1990 to 2.47 million households in 2000, a 9.8 percent increase over ten years. This represents 220 thousand new Bay Area households between 1990 and 2000.
3. Average household size in the Bay Area increased from 2.61 persons per household in 1990 to 2.69 persons per household in 2000. Household population (excluding group quarters population) increased from 5.87 million persons in 1990 to 6.64 million persons in households in 2000.
4. The number of vehicles available in Bay Area households increased from 3.97 million vehicles in 1990 to 4.33 million vehicles in 2000, an 8.8 percent increase. This represents 352 thousand new vehicles between 1990 and 2000.
5. Overall vehicles available per capita has decreased between 1990 and 2000 from about 660 vehicles per 1000 persons in 1990 to 638 vehicles per 1000 persons in 2000.
6. Vehicles per household decreased from 1.77 in 1990 to 1.75 vehicles per household in 2000.
7. The number of households with zero vehicles increased from 232 thousand households in 1990 to 247 thousand households in 2000, a 6.3 percent increase. The share of households with zero vehicles also declined during this period, from a 10.3 percent share in 1990 to a 10.0 percent share in 2000.
8. The number of households with two-or-more vehicles increased from 1.29 million households in 1990 to 1.40 million households in 2000, a 13.3 percent increase. The share of households with two-or-more vehicles decreased from 57.6 percent of all households in 1990 to 56.9 percent of all households in 2000.
9. San Francisco has the highest number of zero-vehicle households in the Bay Area in 1990 (93 thousand) and in 2000 (91 thousand). The share of zero-vehicle households decreased from 30.3 percent of all San Francisco households in 1990 to 27.5 percent of San Francisco households in 2000.
10. San Francisco has the highest density of vehicle ownership in the Bay Area. The 47.0 square mile city had 6,938 vehicles per square mile in 1990 increasing to 7,905 vehicles per square mile in 2000. The average vehicle ownership density in the Bay Area increased from 556 vehicles per square mile in 1990 to 605 vehicles per square mile in 2000.
11. Alameda County has the second highest number of zero-vehicle households in the Bay Area with 57 thousand households in 1990 and 58 thousand households in 2000. This represents 11.9 percent of all Alameda County households in 1990 and 11.1 percent of Alameda County households in 2000.

12. Santa Clara County has the highest vehicle ownership in terms of vehicles per household, decreasing from an average of 2.00 vehicles per household in 1990 to 1.96 vehicles per household in 2000.
13. Marin County has the highest per capita vehicle ownership, decreasing from 764 vehicles per 1000 residents in 1990 to 723 vehicles per 1000 residents in 2000.
14. Sonoma County has the second highest per capita vehicle ownership in the Bay Area, decreasing from 729 vehicles per 1000 residents in 1990 to 710 vehicles per 1000 residents in 2000.

### **The Future – 2000-2030**

15. The Bay Area total population is expected to increase from 6.78 million persons in 2000 to 8.75 million persons in the year 2030, a 28.9 percent increase over 30 years. This represents 1.96 million additional Bay Area residents.
16. Total households in the Bay Area is expected to increase from 2.47 million households in 2000 to 3.18 million households in the year 2030, an 29.0 percent increase over 30 years. This represents 716 thousand new households.
17. Bay Area average household size is expected to increase from 2.69 persons per household in 2000 to 2.70 persons per household in 2030. Household population is projected to increase from 6.64 million household residents in 2000 to 8.59 million household residents in 2030.
18. Total household vehicles in the Bay Area is projected to increase from 4.33 million vehicles in 2000 to 5.69 million vehicles by the year 2030, a 31.5 percent increase over 30 years. This represents 1.25 million new vehicles in the Bay Area.
19. Bay Area per capita vehicle ownership is expected to increase from 638 vehicles per 1000 persons in 2000 to 650 vehicles per 1000 persons in 2030.
20. Average vehicles per household in the Bay Area is expected to climb from 1.75 vehicles per household in 2000 to 1.79 vehicles per household by the year 2030.
21. The number of Bay Area households with zero vehicles is projected to increase from 247 thousand households in 2000 to 322 thousand households by the year 2030. The share of Bay Area households with zero vehicles is projected to increase from 10.0 percent of households in 2000 to 10.1 percent of households by the year 2030.
22. The number of Bay Area households with two-or-more vehicles is expected to increase from 1.40 million households in 2000 to 1.88 million households by the year 2030. This represents 56.9 percent of all Bay Area households in 2000 and 59.0 percent of all Bay Area households by 2030.
23. San Francisco is projected to have the most zero vehicle households of Bay Area counties, increasing from 90.8 thousand households in 2000 to 115.5 thousand households by the year 2030. This is a 27.2 percent increase in the number of San Francisco zero-vehicle households. The zero-vehicle share of households is projected to increase from 27.5 percent of households in 2000 to 29.0 percent of households by the year 2030.

24. Alameda County is projected to have the second highest number of zero-vehicle households in the Bay Area at 83.2 thousand households by year 2030. The share of zero-vehicle households in Alameda is expected to increase from 11.1 percent in 2000 to 12.3 percent of households by 2030.
25. Sonoma County is projected to have the highest average vehicle ownership per household, increasing from 1.89 vehicles per household in 2000 to 2.02 vehicles per household by the year 2030. About 69 percent of Sonoma County households are projected to own two-or-more vehicles by the year 2030.
26. Sonoma County is also projected to have the highest per capita vehicle ownership rate in the Bay Area, increasing from 710 vehicles per 1000 residents in 2000 to 772 vehicles per 1000 residents by the year 2030.
27. Sonoma County is projected to have the lowest share of zero-vehicle households of Bay Area counties with 3.8 percent of households in the year 2030. Other low share of zero-vehicle household counties include Marin (3.9 percent), Napa (4.4 percent) and San Mateo (5.4 percent).

## **I. INTRODUCTION**

The Metropolitan Transportation Commission (MTC) maintains a set of travel demand forecasting models for use in San Francisco Bay Area transportation planning studies. One major component of this model system is an auto ownership choice model. This particular auto ownership model uses demographic data, provided by the Association of Bay Area Governments (ABAG), to produce estimates of households by vehicles in household level (i.e., zero vehicles in the household, one vehicle in the household, and two-or-more vehicles in the household). This model also produces estimates of households by number of workers in the household (i.e., no worker in the household, one worker in the household, and two-or-more workers in the household.)

This technical summary reports MTC auto ownership level forecasts for the 1990-1995 forecast years included in the ABAG's Projections 2000 database, and all forecast years included in ABAG's Projections 2005 database (2000, 2005, 2010, 2015, 2020, 2025 and 2030).

These auto ownership level forecasts are prepared at MTC's 1,454 regional travel analysis zone level. Results are summarized and reported at MTC's 34 superdistrict and nine county level. Superdistricts are aggregations of MTC's regional travel analysis zones and are used in the analysis of sub-county level demographic and travel forecasts.

Following this introduction are sections discussing the technical details of the data inputs and models; and a section discussing the detailed findings.

## **II. DATA INPUTS AND MODELS**

The MTC model that predicts the share of households by workers in household and by vehicles in household level is the "Workers in Household, Auto Ownership" choice model, or WHHAOX.

In casual conversation we may call this the "MTC auto ownership model." Strictly speaking, this model is used to predict the distribution of households by *vehicles available* to the household, using a decennial census definition of vehicles as "automobiles, vans and trucks of one-ton capacity or less that are kept at home for use by members of the household."

The MTC WHHAOX model was estimated using data from the 1990 MTC household travel survey, and then calibrated and validated against household data from the 1990 and 2000 Census. Calibration and validation was completed at the MTC 34 superdistrict level. This means that workers in household and vehicles available in household levels were adjusted to match 1990 and 2000 Census counts of households.

WHHAOX model inputs include:

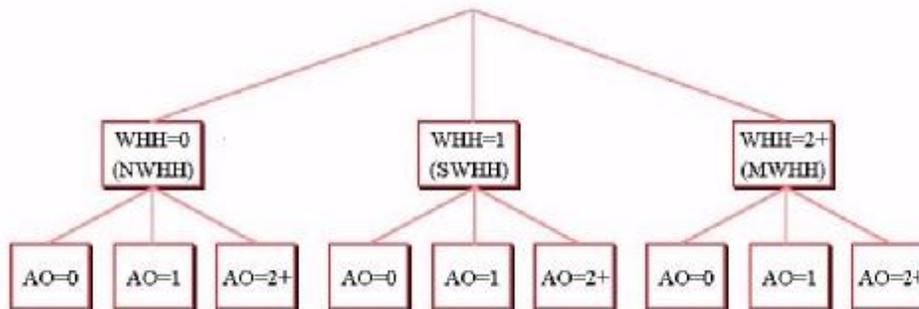
- Number of households by household income quartile;
- Group mean household income, by household income quartile;
- Average household size;
- Share of multi-family of total households
- Share of population age 62+
- Gross population density
- Employed residents
- Relative peak period transit to drive alone accessibility<sup>1</sup>

These model inputs are documented in the MTC technical summary: *Superdistrict and County Summaries of ABAG's Projections 2005: 2000-2030 (October 2005)*.

One of these input variables – share of population age 62-or-older – is developed by MTC staff using data from the 1990 Census and from ABAG's census tract-level age cohort forecasts.

The WHHAOX model is a *nested logit choice model*. Logit choice models are a commonly used model formulation used in travel models with discrete choices (e.g., auto ownership level or mode choice). The “upper level” of the WHHAO nested logit choice model splits the total number of households into households by workers in household. The “lower level” nest of this model further splits the households by auto ownership level. A diagram of this nested logit choice model is shown below:

**Workers and Vehicles in Household (WHHAO) - Nested Choice Model #9W**



<sup>1</sup> A new auto ownership choice model was developed and calibrated by MTC staff in 2000. This new model has the same structure as the old model, and includes additional variables that measure the ratio of peak period transit to drive alone accessibility. The higher the ratio of transit to drive alone accessibility (e.g., residents of downtown San Francisco) then the higher the likelihood of owning zero or one vehicle in the household. This variable has the effect of tempering the increase in Bay Area auto ownership levels. For example, the MTC auto ownership forecasts using Projections '98 data and the old auto ownership model (WHHAO) was 1.93 vehicles per household in year 2020. The new forecasts, using Projections 2000 data and the new WHHAOX model, is 1.91 vehicles per household in year 2020. Documentation for this new MTC auto ownership choice model is in staff technical memorandum.

In the above graphic, NWHH refers to non-working (or zero worker) households; SWHH refers to one-worker (single worker) households; and MWHH refers to multi-worker households. The term AO refers to auto ownership (strictly speaking, vehicle availability).

Note that the data inputs to this model are stratified by household income quartile. This means that the zone-of-residence level output from this model are the number of households stratified by income quartile (4), by workers in household (3), by vehicles in household (3), for a total of 36 different types of households by each travel analysis zone.

### **III. DETAILED FINDINGS**

Regional and county highlights of these auto ownership forecasts are included in the *Summary of Findings* section of this report on pages ii through iv. Also, a regional summary table, Table R.1, is included on page v.

Regional and county tabulations are included in Tables 1 and 2. Results of the workers in household level forecasts and related statistics are included in Table 1. Results of the vehicles in household level forecasts and related statistics are included in Table 2. Superdistrict-level tabulations are included as Tables S.1 through S.17.

Superdistrict, county and regional level data from the 1980, 1990 and 2000 decennial censuses is included in Tables A.1 through A.3. County-level decennial census data from 1960 to 2000 is summarized in Tables A.4 and A.5.

A map of the MTC 34 superdistricts is included at the very end of this technical summary.

### Households by Workers in Household Level.

These data are not discussed in the *Summary of Findings* but are discussed in this section. These results are from the “upper nest” of the MTC Workers in Household, Auto Ownership choice model (WHHAOX).

Non-working households include retired households and unemployed households. Analysis of Census 2000 data for the Bay Area suggests that approximately 66 percent of non-working households are “retired households” (e.g., head of household is of retirement age.) Other non-working households are a mix of households with unemployed workers, disabled person households, or households of single parents-with-children<sup>2</sup>.

Key in the prediction of households by workers in household level is the number of employed residents in the travel analysis zone of residence, the share of population age 62-or-over, and the average household income, by income quartile. Certain neighborhoods with very high shares of elder age population and low numbers of employed residents are likely to be retirement communities with very high shares of non-working households (e.g., Leisure World in Vacaville and Rossmoor in West Walnut Creek.)

Regionally the number of non-working households is projected to increase between 2000 and 2030, from 517 thousand non-working households (2000) to 719 thousand non-working households (2030). The regional share of non-working households is projected to increase from 21.0 percent of total households in 2000 to 22.6 percent of total households by the year 2030.

At a county level, Napa County has the historically highest share of non-working households. In 1990, 27.6 percent of Napa County households were non-working. By the year 2000 this share decreased to 25.3 percent of Napa households.

Marin County is projected to have the largest increase in non-working households, increasing from 21.6 percent of households in 2000 to 28.3 percent of households by the year 2030.

Santa Clara County has the lowest share of non-working households in the nine-county Bay Area. In 2000, 17.1 percent of Santa Clara County households were non-working. By the year 2030 the Santa Clara County share is expected to increase to 19.1 percent of all households.

Regionally, the number of multi-worker (two-or-more) households is projected to increase from 1.03 million households in 2000 to 1.26 million households by the year 2030. The regional share of multi-worker of total households is projected to increase between 2000

---

<sup>2</sup> This non-working household analysis was conducted using data from the 2000 Census Public Use Microdata Sample. The problem is a blend of household characteristics that makes it difficult to categorize these non-working households into simple labels such as “retired households” or “unemployed households.”

and 2010, from 41.8 to 42.9 percent, then to decrease to about 39.5 percent by the year 2030.

Santa Clara County has the highest share of multi-worker counties in the Bay Area. Santa Clara's share of multi-worker households is projected to decrease from 45.7 percent of households in 2000 to 43.2 percent of households by 2030. By the year 2030, San Mateo County is projected to have the highest share of multi-worker households, at 43.4 percent.

Other counties with very high multi-worker county shares for 2030 include Napa (42.3 percent) and Solano (41.0 percent).

The third market – single worker (one-worker) households is expected to steadily increase from 918 thousand households in 2000 to 1.21 million households by the year 2030. The share of single worker of total households is expected to decrease from 37.2 percent in 2000 to 34.0 percent in 2005, then to increase to 37.9 percent by 2030.

County-level shares of one-worker households tend to hover between 33 and 41 percent. San Francisco and Marin have the highest shares of one-worker households in the Bay Area, both historically as well as projected.

#### Households by Vehicles in Household Level

Again, the *Summary of Findings* section of this report provides a re-cap of the highlights of these forecasts. These findings are not repeated in this section.

The regional number of zero-vehicle households is projected to increase steadily between 2000 and 2030, from 246 thousand households in 2000 to 322 thousand households by the year 2030. In terms of share of zero-vehicle of total households, these are expected to decline from a high of 10.4 percent of households in 1995 to a low of 9.6 percent of all Bay Area households by the year 2010. The share of zero-vehicle households is projected to then increase to 10.1 percent by the year 2030.

The regional number of one-vehicle households is also projected to increase from 816 thousand households in 2000 to 982 thousand households by the year 2030. The share of one-vehicle households is projected to decrease from 33.1 percent of households in 2000 to 30.9 percent of all households by 2030.

The regional trend in multi-vehicle households shows a constant increase, rising from 1.40 million households in 2000 to 1.88 million households by the year 2030. The regional share is also expected to steadily increase from 56.9 percent of Bay Area households in 2000 to 59.0 percent of households by the year 2030.

All of the relevant county-level vehicle ownership results are discussed in the *Summary of Findings*.

## Review of Superdistrict-Level Results

MTC superdistrict, county and regional level auto ownership and workers in household level forecasts are included as Tables S.1 through S.17. Data is provided for all forecast years.

Total households by MTC superdistrict is repeated in Table S.4 and S.11, as a summary check on households by workers in household and vehicles in household level.

It is important to note the wide variation in the number of households by superdistrict. In 2000, this ranges from a low of 14 thousand households in superdistrict #28 (upper Napa County) to a high of 172 thousand households in superdistrict #18 (greater Oakland and Alameda). Most of the comparative analyses included in this section relate to the share of households by either workers in household or vehicles in household level.

The distribution of households by workers in household, by superdistrict, is the subject of Tables S.1 through S.7. In 2000, the non-working household share ranged from a low of 13.4 percent of superdistrict #13 (South San Jose / Almaden) and superdistrict #15 (Eastern Alameda County) households to a high of 31.7 percent of superdistrict #1 (northeastern San Francisco) households (see Table S.5). By the year 2030, non-working household shares are expected to range from 15.1 percent of superdistrict #15 (Eastern Alameda County) households to 31.5 percent of superdistrict #1 households.

Contra Costa County has the largest range in non-working household shares, ranging (in 2000) from a low of 12.4 percent in superdistrict #23 (Danville/San Ramon) to a high of 27.4 percent in superdistrict #22 (Walnut Creek / Lamorinda).

In Contra Costa County, the fairly high share of non-working households in superdistrict #22 (Walnut Creek / Lamorinda) (27.4 percent in 2000 increasing to 29.2 percent in 2030) is due in part to the Rossmoor retirement community in western Walnut Creek.

In terms of multi-worker household shares (see Table S.7), superdistrict #1 (northeastern San Francisco) has the lowest share, at 24.1 percent of 2000 households and 25.5 percent of 2030 households. Superdistrict #12 in Santa Clara County (Milpitas / East San Jose) has the highest multi-worker household shares, increasing from 54.8 percent of households in 2000 to 53.7 percent of households by the year 2030.

Other superdistricts with high shares of multi-worker households in 2030 include: superdistrict #14 (South Santa Clara County) at 48.8 percent, superdistrict #13 (Almaden Valley of Santa Clara) at 46.6 percent, superdistrict #16 (Fremont/Union City) at 46.4 percent and superdistrict #15 (Eastern Alameda County) at 45.9 percent.

The share of households with zero vehicles (see Table S.12), at superdistrict level, ranges from a low of 2.2 percent of superdistrict #23 (Danville / San Ramon) households to a high of 58.8 percent of superdistrict #1 (northeastern San Francisco) households (data for

2000.) For the year 2030, the zero vehicle household share is projected to range from 2.6 percent in northern Napa County (#28) to 57.8 percent in northeastern San Francisco.

Other superdistricts with high projected (2030) shares of zero vehicle households include superdistrict #2 (Richmond District of San Francisco) at 24.0 percent; superdistrict #3 (Mission District of San Francisco) at 20.2 percent; superdistrict #18 (Oakland / Alameda) at 22.0 percent; and superdistrict #19 (Berkeley / Albany) at 16.1 percent zero vehicle households.

Other superdistricts with low projected shares of zero vehicle households include superdistrict #15 (Livermore / Pleasanton) at 2.7 percent; superdistrict #29 (Petaluma/ Sonoma Valley) at 2.8 percent; and superdistrict #34 (Mill Valley/ Sausalito) at 2.8 percent. Outside of San Francisco, Alameda County has the widest range of zero-vehicle household shares, ranging from a projected low of 2.7 percent of East Alameda County households to a high of 22.0 percent of Oakland/Alameda City households.

The share of households with two-or-more vehicles (see Table S.14), at superdistrict level, is projected (2030) to range from a low of 12.1 percent of households in superdistrict #1 to a high of 76.5 percent of households in superdistrict #14 (Gilroy / Morgan Hill area of south Santa Clara County).

Other superdistricts with high projected shares of multi-vehicle households include: superdistrict #15 (Livermore / Pleasanton) at 75.5 percent; superdistrict #13 (South San Jose / Almaden) at 76.4 percent; and superdistrict #12 (Milpitas / East San Jose) at 74.2 percent share of multi-vehicle households for the year 2030.

The other San Francisco superdistricts, Berkeley and Oakland are projected to have the lowest share of multi-vehicle households in the Bay Area by year 2030.

Average total vehicles available per household, by MTC superdistrict, is shown in Table S.16. Greater downtown San Francisco (superdistrict #1) has the lowest ownership rate, at 0.52 vehicles per household in 2000 climbing to 0.56 vehicles per household by the year 2030.

Two superdistricts are projected to have year 2030 average vehicles per household in excess of 2.2 vehicles per household: superdistrict #12 (Milpitas / East San Jose) at 2.26 vehicles/household; superdistrict #14 (Gilroy / Morgan Hill) at 2.23 vehicles/household.

For 2000, average vehicles per household ranges from a low of 0.52 vehicles per household in greater downtown San Francisco to a high of 2.26 vehicles per household in Milpitas / East San Jose.

#### **IV. REFERENCES & CONTACT**

The following MTC publications are available from the MTC/ABAG library, at (510) 817-5836. Or you may e-mail the library at: [library@mtc.ca.gov](mailto:library@mtc.ca.gov) with your request.

Travel Demand Models for the San Francisco Bay Area: Technical Summary (June 1997). *This report provides technical specifications for the entire MTC modeling system, including the workers in household, auto ownership choice model.*  
[http://www.mtc.ca.gov/maps\\_and\\_data/datamart/forecast/baycast1.htm](http://www.mtc.ca.gov/maps_and_data/datamart/forecast/baycast1.htm)

Auto Ownership in the San Francisco Bay Area: 1930-2010 (July 1997). *This report is a compilation of statistics from the decennial census, the state DMV, and vintage MTC auto ownership forecasts based on ABAG Projections '96 socio-economic forecasts.*  
[http://www.mtc.ca.gov/maps\\_and\\_data/datamart/forecast/ao/aopaper.htm](http://www.mtc.ca.gov/maps_and_data/datamart/forecast/ao/aopaper.htm)

Vehicle Ownership Forecasts for the San Francisco Bay Area: 1990-2020 (August 1998). *A compilation of vintage MTC auto ownership forecasts based on ABAG Projections '98 socio-economic forecasts.*  
[http://www.mtc.ca.gov/maps\\_and\\_data/datamart/forecast/ao98/AO98.htm](http://www.mtc.ca.gov/maps_and_data/datamart/forecast/ao98/AO98.htm)

Superdistrict and County Summaries of ABAG's Projections 2005: 2000-2030: Data Summary (October 2005). *This report summarizes ABAG's Projections 2000 databases at MTC's 34 superdistrict and nine-county level. Not available on the WWW.*  
[ftp://ftp.abag.ca.gov/pub/mtc/planning/ZoneData/Proj2005/Proj\\_2005\\_Data\\_Summary.pdf](ftp://ftp.abag.ca.gov/pub/mtc/planning/ZoneData/Proj2005/Proj_2005_Data_Summary.pdf)

The reader may also download many of these documents, or view online, from MTC's web site at:  
[http://www.mtc.ca.gov/maps\\_and\\_data/datamart/forecast/index.htm](http://www.mtc.ca.gov/maps_and_data/datamart/forecast/index.htm)

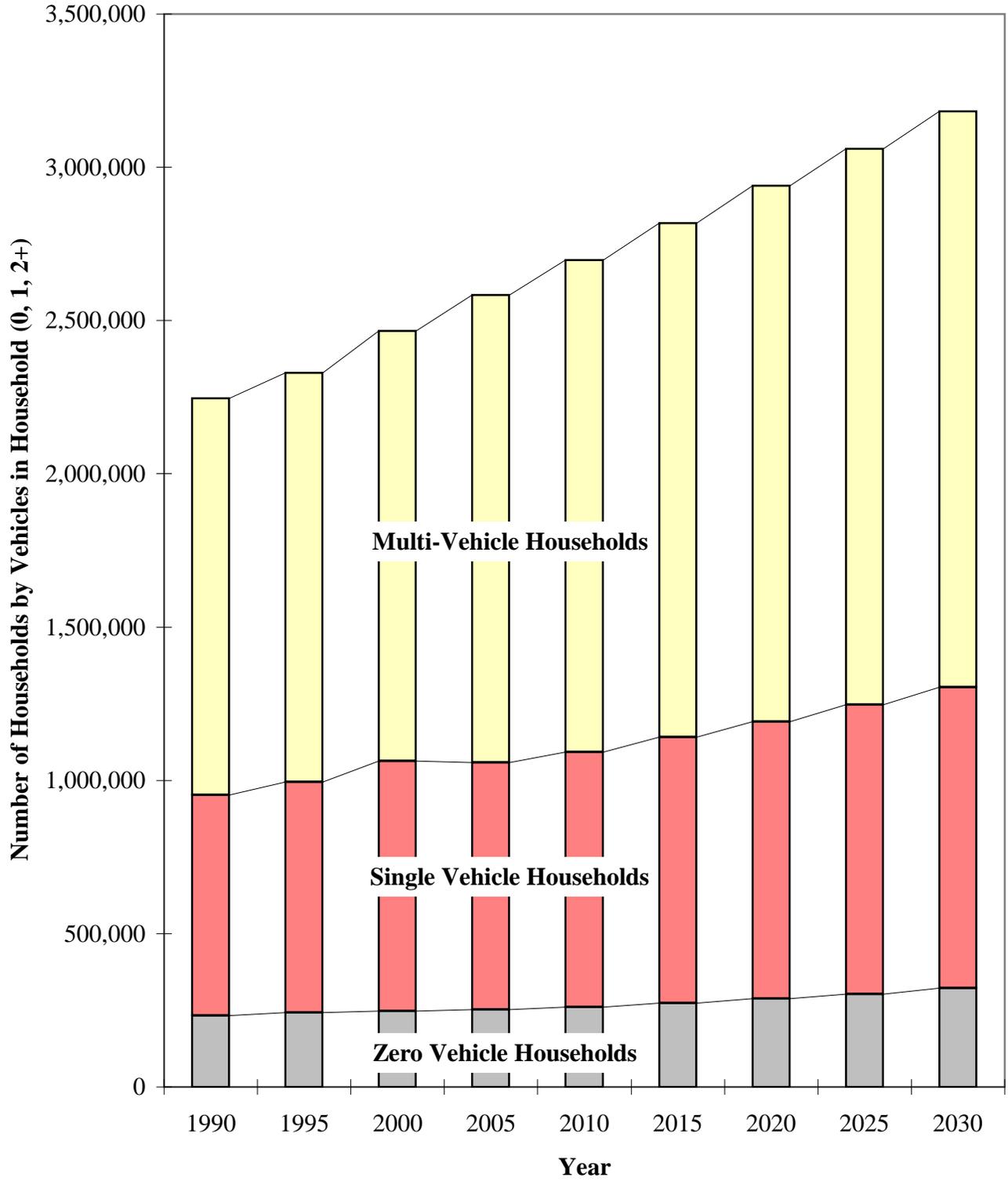
Questions on this data summary should be directed to Mr. Chuck Purvis, MTC senior transportation planner/analyst, at (510) 817-5755; e-mail: [cpurvis@mtc.ca.gov](mailto:cpurvis@mtc.ca.gov).

**Table R.1****Regional Summary of Bay Area Auto Ownership Forecasts, 1990-2030**

Characteristic	<u>Year of Analysis</u>			<u>Total Change</u>	
	1990	2000	2030	1990-00	2000-30
Total Population	6,020,100	6,783,800	8,747,100	763,700	1,963,300
Household Population	5,868,700	6,641,000	8,592,000	772,300	1,951,000
Total Households	2,245,900	2,466,000	3,182,200	220,100	716,200
Average Household Size	2.61	2.69	2.70		
Employed Residents	3,149,300	3,452,100	4,698,800	302,800	1,246,700
Average Workers per Household	1.40	1.40	1.48		
Average Household Income (1989\$)	\$53,400	\$64,900	\$79,700	\$11,500	\$14,800
Total Vehicles	3,974,100	4,325,800	5,687,600	351,700	1,361,800
Average Vehicles per Household	1.77	1.75	1.79		
Average Vehicles per 1000 Persons	660.1	637.7	650.2		
Zero-Vehicle Households	232,100	246,800	321,600	14,700	74,800
Single Vehicle Households	720,200	816,300	982,000	96,100	165,700
Multi-Vehicle Households	1,293,600	1,402,900	1,878,600	109,300	475,700
Share of Zero-Vehicle Households	10.3%	10.0%	10.1%		
Share of Single Vehicle Households	32.1%	33.1%	30.9%		
Share of Multi-Vehicle Households	57.6%	56.9%	59.0%		

Characteristic	<u>Total Percent Change</u>		<u>Annual Percent Change</u>	
	1990-00	2000-30	1990-00	2000-30
Total Population	12.7%	28.9%	1.2%	0.9%
Household Population	13.2%	29.4%	1.2%	0.9%
Total Households	9.8%	29.0%	0.9%	0.9%
Employed Residents	9.6%	36.1%	0.9%	1.0%
Average Household Income (1989\$)	21.5%	22.8%	2.0%	0.7%
Total Vehicles	8.8%	31.5%	0.9%	0.9%
Zero-Vehicle Households	6.3%	30.3%	0.6%	0.9%
Single Vehicle Households	13.3%	20.3%	1.3%	0.6%
Multi-Vehicle Households	8.4%	33.9%	0.8%	1.0%

**Figure R.1**  
**Number of Bay Area Households by**  
**Vehicles in Household Level -- 1990-2030**



**Table 1**  
**Households by Workers in Household Forecasts by Bay Area County**  
**MTC Forecasts, based on ABAG's Projections 2000 & Projections 2005**

*Non-Working Households (Households with Zero Workers)*

County	1990	1995	2000	2005	2010	2015	2020	2025	2030
San Francisco	80,358	83,382	77,117	95,608	87,369	86,979	88,629	90,961	96,267
San Mateo	46,879	47,912	52,639	66,755	58,292	55,395	55,148	58,041	63,075
Santa Clara	80,683	82,043	96,692	143,973	137,866	131,477	129,097	133,527	145,748
Alameda	108,552	113,143	114,541	118,193	116,293	124,485	134,427	146,242	158,069
Contra Costa	63,168	68,176	74,381	82,799	81,055	84,462	90,665	100,677	110,579
Solano	21,100	24,827	27,100	30,094	34,866	38,323	41,049	43,417	45,659
Napa	11,391	11,486	11,503	11,551	11,267	11,463	11,903	12,328	12,691
Sonoma	37,897	39,960	41,076	41,308	43,162	45,366	48,293	51,322	53,632
Marin	19,304	19,284	21,721	24,831	23,219	24,895	27,087	30,104	32,916
Region	469,332	490,213	516,770	615,112	593,389	602,845	626,298	666,619	718,636

*Single-Worker Households*

County	1990	1995	2000	2005	2010	2015	2020	2025	2030
San Francisco	121,060	137,267	129,378	118,032	125,333	133,682	141,905	150,817	159,547
San Mateo	86,654	101,834	89,511	73,928	81,792	90,222	98,097	104,792	109,870
Santa Clara	186,723	230,152	210,545	189,756	208,156	229,140	248,043	268,472	287,600
Alameda	179,399	223,100	197,693	198,406	209,067	221,570	234,119	246,390	258,781
Contra Costa	109,275	139,978	129,941	134,362	143,479	152,672	161,664	171,133	178,832
Solano	40,463	56,093	45,938	48,993	53,997	58,558	62,268	65,592	68,665
Napa	13,990	18,447	15,740	16,343	17,443	18,504	19,407	20,065	20,446
Sonoma	51,098	67,110	59,008	60,476	64,746	68,615	71,369	73,355	75,178
Marin	37,493	47,930	40,047	38,613	41,633	43,997	45,848	47,039	47,964
Region	826,155	1,021,911	917,801	878,909	945,646	1,016,960	1,082,720	1,147,655	1,206,883

*Multi-Worker Households*

County	1990	1995	2000	2005	2010	2015	2020	2025	2030
San Francisco	104,166	88,971	123,202	125,081	133,128	136,369	140,195	141,891	142,469
San Mateo	108,383	96,719	111,954	120,597	128,366	133,033	136,305	135,427	132,445
Santa Clara	252,775	226,705	258,625	261,821	282,650	300,236	315,300	323,093	329,374
Alameda	191,567	154,330	211,131	225,941	239,417	244,823	250,321	254,737	260,550
Contra Costa	127,845	112,085	139,807	151,609	160,716	164,536	167,641	168,410	167,709
Solano	51,489	40,812	57,365	62,013	65,547	70,349	73,383	76,401	79,516
Napa	15,931	14,116	18,159	21,396	22,780	23,433	23,930	24,217	24,293
Sonoma	60,016	53,922	72,319	80,716	85,252	86,449	86,178	85,213	85,030
Marin	38,209	29,905	38,882	39,806	40,708	39,598	38,355	36,697	35,320
Region	950,381	817,565	1,031,444	1,088,980	1,158,564	1,198,826	1,231,608	1,246,086	1,256,706

**Table 1 (continued)****Households by Workers in Household Forecasts by Bay Area County  
MTC Forecasts, based on ABAG's Projections 2000 & Projections 2005*****Non-Working Share of Total Households***

County	1990	1995	2000	2005	2010	2015	2020	2025	2030
San Francisco	26.3%	26.9%	23.4%	28.2%	25.3%	24.4%	23.9%	23.7%	24.2%
San Mateo	19.4%	19.4%	20.7%	25.5%	21.7%	19.9%	19.0%	19.5%	20.7%
Santa Clara	15.5%	15.2%	17.1%	24.2%	21.9%	19.9%	18.6%	18.4%	19.1%
Alameda	22.6%	23.1%	21.9%	21.8%	20.6%	21.1%	21.7%	22.6%	23.3%
Contra Costa	21.0%	21.3%	21.6%	22.5%	21.0%	21.0%	21.6%	22.9%	24.2%
Solano	18.7%	20.4%	20.8%	21.3%	22.6%	22.9%	23.2%	23.4%	23.6%
Napa	27.6%	26.1%	25.3%	23.4%	21.9%	21.5%	21.5%	21.8%	22.1%
Sonoma	25.4%	24.8%	23.8%	22.6%	22.3%	22.6%	23.5%	24.5%	25.1%
Marin	20.3%	19.9%	21.6%	24.0%	22.0%	22.9%	24.3%	26.4%	28.3%
Region	20.9%	21.0%	21.0%	23.8%	22.0%	21.4%	21.3%	21.8%	22.6%

***Single-Worker Share of Total Households***

County	1990	1995	2000	2005	2010	2015	2020	2025	2030
San Francisco	39.6%	44.3%	39.2%	34.8%	36.2%	37.4%	38.3%	39.3%	40.1%
San Mateo	35.8%	41.3%	35.2%	28.3%	30.5%	32.4%	33.9%	35.1%	36.0%
Santa Clara	35.9%	42.7%	37.2%	31.9%	33.1%	34.7%	35.8%	37.0%	37.7%
Alameda	37.4%	45.5%	37.8%	36.6%	37.0%	37.5%	37.8%	38.1%	38.2%
Contra Costa	36.4%	43.7%	37.8%	36.4%	37.2%	38.0%	38.5%	38.9%	39.1%
Solano	35.8%	46.1%	35.2%	34.7%	35.0%	35.0%	35.2%	35.4%	35.4%
Napa	33.9%	41.9%	34.7%	33.2%	33.9%	34.7%	35.1%	35.4%	35.6%
Sonoma	34.3%	41.7%	34.2%	33.1%	33.5%	34.2%	34.7%	34.9%	35.2%
Marin	39.5%	49.4%	39.8%	37.4%	39.4%	40.6%	41.2%	41.3%	41.3%
Region	36.8%	43.9%	37.2%	34.0%	35.1%	36.1%	36.8%	37.5%	37.9%

***Multi-Worker Share of Total Households***

County	1990	1995	2000	2005	2010	2015	2020	2025	2030
San Francisco	34.1%	28.7%	37.4%	36.9%	38.5%	38.2%	37.8%	37.0%	35.8%
San Mateo	44.8%	39.2%	44.1%	46.2%	47.8%	47.7%	47.1%	45.4%	43.4%
Santa Clara	48.6%	42.1%	45.7%	44.0%	45.0%	45.4%	45.5%	44.6%	43.2%
Alameda	39.9%	31.5%	40.3%	41.6%	42.4%	41.4%	40.4%	39.3%	38.5%
Contra Costa	42.6%	35.0%	40.6%	41.1%	41.7%	41.0%	39.9%	38.3%	36.7%
Solano	45.5%	33.5%	44.0%	43.9%	42.4%	42.1%	41.5%	41.2%	41.0%
Napa	38.6%	32.0%	40.0%	43.4%	44.2%	43.9%	43.3%	42.8%	42.3%
Sonoma	40.3%	33.5%	41.9%	44.2%	44.1%	43.1%	41.9%	40.6%	39.8%
Marin	40.2%	30.8%	38.6%	38.6%	38.6%	36.5%	34.5%	32.2%	30.4%
Region	42.3%	35.1%	41.8%	42.2%	42.9%	42.5%	41.9%	40.7%	39.5%

**Table 1 (continued)****Households by Workers in Household Forecasts by Bay Area County  
MTC Forecasts, based on ABAG's Projections 2000 & Projections 2005*****Employed Residents***

County	1990	1995	2000	2005	2010	2015	2020	2025	2030
San Francisco	391,277	379,803	437,534	388,116	422,607	453,414	485,820	520,918	558,710
San Mateo	353,627	351,698	369,725	318,600	348,100	375,500	403,900	433,800	464,600
Santa Clara	812,348	809,297	863,432	734,001	803,202	874,301	944,199	1,019,212	1,086,298
Alameda	645,838	614,502	709,558	705,898	769,308	833,305	895,851	967,190	1,032,108
Contra Costa	409,345	418,695	461,992	459,600	501,100	541,800	583,400	625,400	667,800
Solano	162,227	164,607	182,964	194,900	211,400	226,500	240,900	254,700	269,800
Napa	52,683	54,299	59,886	64,100	70,000	75,520	80,480	87,190	93,700
Sonoma	194,394	206,899	235,069	237,700	257,870	280,800	301,400	323,700	346,700
Marin	127,579	127,997	131,959	122,200	133,750	144,200	156,690	166,750	179,100
Region	3,149,318	3,127,797	3,452,119	3,225,115	3,517,337	3,805,340	4,092,640	4,398,860	4,698,816

***Workers per Household***

County	1990	1995	2000	2005	2010	2015	2020	2025	2030
San Francisco	1.280	1.227	1.327	1.146	1.222	1.270	1.310	1.358	1.403
San Mateo	1.462	1.427	1.455	1.219	1.297	1.348	1.395	1.454	1.521
Santa Clara	1.562	1.502	1.526	1.232	1.278	1.323	1.364	1.406	1.424
Alameda	1.347	1.253	1.356	1.301	1.362	1.410	1.448	1.494	1.524
Contra Costa	1.363	1.307	1.342	1.246	1.301	1.349	1.389	1.421	1.461
Solano	1.435	1.352	1.403	1.381	1.369	1.354	1.363	1.374	1.392
Napa	1.275	1.233	1.319	1.300	1.359	1.414	1.457	1.540	1.632
Sonoma	1.305	1.285	1.363	1.302	1.335	1.401	1.464	1.542	1.621
Marin	1.343	1.318	1.311	1.184	1.267	1.329	1.408	1.465	1.541
Region	1.402	1.343	1.400	1.249	1.304	1.350	1.392	1.437	1.477

***Workers per Working Household***

County	1990	1995	2000	2005	2010	2015	2020	2025	2030
San Francisco	1.737	1.679	1.732	1.596	1.635	1.679	1.722	1.780	1.850
San Mateo	1.813	1.771	1.835	1.638	1.656	1.682	1.723	1.806	1.917
Santa Clara	1.848	1.771	1.840	1.625	1.636	1.652	1.676	1.723	1.761
Alameda	1.741	1.628	1.736	1.663	1.715	1.787	1.849	1.930	1.987
Contra Costa	1.726	1.661	1.713	1.607	1.647	1.708	1.772	1.842	1.927
Solano	1.764	1.699	1.771	1.756	1.768	1.757	1.776	1.794	1.821
Napa	1.761	1.668	1.767	1.699	1.740	1.801	1.857	1.969	2.094
Sonoma	1.750	1.709	1.790	1.684	1.719	1.811	1.913	2.041	2.164
Marin	1.685	1.644	1.672	1.558	1.624	1.725	1.861	1.991	2.150
Region	1.773	1.700	1.771	1.639	1.672	1.717	1.768	1.838	1.907

**Table 1 (continued)****Households by Workers in Household Forecasts by Bay Area County  
MTC Forecasts, based on ABAG's Projections 2000 & Projections 2005*****Workers per Multi-Worker Household***

County	1990	1995	2000	2005	2010	2015	2020	2025	2030
San Francisco	2.594	2.726	2.501	2.159	2.233	2.345	2.453	2.608	2.802
San Mateo	2.463	2.583	2.503	2.029	2.075	2.144	2.244	2.429	2.678
Santa Clara	2.475	2.555	2.524	2.079	2.105	2.149	2.208	2.324	2.425
Alameda	2.435	2.536	2.424	2.246	2.340	2.499	2.644	2.830	2.968
Contra Costa	2.347	2.487	2.375	2.145	2.225	2.365	2.516	2.697	2.916
Solano	2.365	2.659	2.389	2.353	2.401	2.387	2.434	2.475	2.529
Napa	2.429	2.540	2.431	2.232	2.307	2.433	2.552	2.772	3.015
Sonoma	2.388	2.592	2.435	2.196	2.265	2.454	2.669	2.938	3.193
Marin	2.358	2.677	2.364	2.100	2.263	2.531	2.890	3.262	3.713
Region	2.444	2.576	2.457	2.154	2.220	2.326	2.444	2.609	2.779

***Total Households***

County	1990	1995	2000	2005	2010	2015	2020	2025	2030
San Francisco	305,584	309,620	329,697	338,721	345,830	357,030	370,729	383,669	398,283
San Mateo	241,916	246,465	254,104	261,280	268,450	278,650	289,550	298,260	305,390
Santa Clara	520,181	538,900	565,862	595,550	628,672	660,853	692,440	725,092	762,722
Alameda	479,518	490,573	523,365	542,540	564,777	590,878	618,867	647,369	677,400
Contra Costa	300,288	320,239	344,129	368,770	385,250	401,670	419,970	440,220	457,120
Solano	113,052	121,732	130,403	141,100	154,410	167,230	176,700	185,410	193,840
Napa	41,312	44,049	45,402	49,290	51,490	53,400	55,240	56,610	57,430
Sonoma	149,011	160,992	172,403	182,500	193,160	200,430	205,840	209,890	213,840
Marin	95,006	97,119	100,650	103,250	105,560	108,490	111,290	113,840	116,200
Region	2,245,868	2,329,689	2,466,015	2,583,001	2,697,599	2,818,631	2,940,626	3,060,360	3,182,225

**Table 2****Households by Vehicles in Household Forecasts by Bay Area County  
MTC Forecasts, based on ABAG's Projections 2000 & Projections 2005*****Zero Vehicle Households (Households with Zero Vehicles Available)***

County	1990	1995	2000	2005	2010	2015	2020	2025	2030
San Francisco	92,694	96,953	90,818	94,438	96,127	100,155	105,390	110,043	115,528
San Mateo	14,444	14,869	16,079	12,665	12,734	13,549	14,587	15,580	16,597
Santa Clara	26,737	27,501	32,787	35,436	38,064	40,910	43,592	47,293	52,265
Alameda	57,293	60,304	58,106	60,667	63,426	67,899	72,279	77,665	83,244
Contra Costa	18,516	19,197	22,957	24,034	23,782	23,953	24,512	25,510	26,350
Solano	6,186	7,281	8,433	9,174	10,086	10,996	11,638	12,095	12,497
Napa	2,674	2,629	2,708	2,502	2,513	2,569	2,624	2,594	2,531
Sonoma	8,822	9,261	9,873	8,934	8,749	8,555	8,439	8,278	8,062
Marin	4,698	4,467	5,068	4,805	4,642	4,664	4,580	4,529	4,522
Region	232,064	242,462	246,829	252,655	260,123	273,250	287,641	303,587	321,596

***Single Vehicle Households***

County	1990	1995	2000	2005	2010	2015	2020	2025	2030
San Francisco	127,175	128,363	140,164	140,036	142,368	147,013	151,933	156,965	162,498
San Mateo	77,160	79,483	81,703	69,820	71,656	75,263	79,646	84,135	88,180
Santa Clara	145,454	151,499	164,653	164,975	174,013	183,311	192,077	203,979	218,522
Alameda	162,786	170,605	182,045	181,180	185,741	194,501	203,848	212,833	221,261
Contra Costa	86,602	92,586	104,582	108,037	110,653	114,432	119,137	125,423	130,133
Solano	30,987	35,161	37,222	38,953	42,267	45,185	47,343	49,135	50,750
Napa	12,507	12,935	15,010	14,542	14,831	15,293	15,736	15,895	15,860
Sonoma	46,056	49,665	55,135	53,990	55,553	56,929	57,607	57,615	57,552
Marin	31,469	32,250	35,809	34,699	34,894	35,623	36,240	36,867	37,288
Region	720,196	752,547	816,323	806,232	831,976	867,550	903,567	942,847	982,044

***Multi-Vehicle Households***

County	1990	1995	2000	2005	2010	2015	2020	2025	2030
San Francisco	85,715	84,304	98,715	104,247	107,335	109,862	113,406	116,661	120,257
San Mateo	150,312	152,113	156,322	178,795	184,060	189,838	195,317	198,545	200,613
Santa Clara	347,990	359,900	368,422	395,139	416,595	436,632	456,771	473,820	491,935
Alameda	259,439	259,664	283,214	300,693	315,610	328,478	342,740	356,871	372,895
Contra Costa	195,170	208,456	216,590	236,699	250,815	263,285	276,321	289,287	300,637
Solano	75,879	79,290	84,748	92,973	102,057	111,049	117,719	124,180	130,593
Napa	26,131	28,485	27,684	32,246	34,146	35,538	36,880	38,121	39,039
Sonoma	94,133	102,066	107,395	119,576	128,858	134,946	139,794	143,997	148,226
Marin	58,839	60,402	59,773	63,746	66,024	68,203	70,470	72,444	74,390
Region	1,293,608	1,334,680	1,402,863	1,524,114	1,605,500	1,677,831	1,749,418	1,813,926	1,878,585

**Table 2 (continued)****Households by Vehicles in Household Forecasts by Bay Area County****MTC Forecasts, based on ABAG's Projections 2000 & Projections 2005*****Zero Vehicle Share of Total Households***

County	1990	1995	2000	2005	2010	2015	2020	2025	2030
San Francisco	30.3%	31.3%	27.5%	27.9%	27.8%	28.1%	28.4%	28.7%	29.0%
San Mateo	6.0%	6.0%	6.3%	4.8%	4.7%	4.9%	5.0%	5.2%	5.4%
Santa Clara	5.1%	5.1%	5.8%	6.0%	6.1%	6.2%	6.3%	6.5%	6.9%
Alameda	11.9%	12.3%	11.1%	11.2%	11.2%	11.5%	11.7%	12.0%	12.3%
Contra Costa	6.2%	6.0%	6.7%	6.5%	6.2%	6.0%	5.8%	5.8%	5.8%
Solano	5.5%	6.0%	6.5%	6.5%	6.5%	6.6%	6.6%	6.5%	6.4%
Napa	6.5%	6.0%	6.0%	5.1%	4.9%	4.8%	4.8%	4.6%	4.4%
Sonoma	5.9%	5.8%	5.7%	4.9%	4.5%	4.3%	4.1%	3.9%	3.8%
Marin	4.9%	4.6%	5.0%	4.7%	4.4%	4.3%	4.1%	4.0%	3.9%
Region	10.3%	10.4%	10.0%	9.8%	9.6%	9.7%	9.8%	9.9%	10.1%

***Single Vehicle Share of Total Households***

County	1990	1995	2000	2005	2010	2015	2020	2025	2030
San Francisco	41.6%	41.5%	42.5%	41.3%	41.2%	41.2%	41.0%	40.9%	40.8%
San Mateo	31.9%	32.2%	32.2%	26.7%	26.7%	27.0%	27.5%	28.2%	28.9%
Santa Clara	28.0%	28.1%	29.1%	27.7%	27.7%	27.7%	27.7%	28.1%	28.7%
Alameda	33.9%	34.8%	34.8%	33.4%	32.9%	32.9%	32.9%	32.9%	32.7%
Contra Costa	28.8%	28.9%	30.4%	29.3%	28.7%	28.5%	28.4%	28.5%	28.5%
Solano	27.4%	28.9%	28.5%	27.6%	27.4%	27.0%	26.8%	26.5%	26.2%
Napa	30.3%	29.4%	33.1%	29.5%	28.8%	28.6%	28.5%	28.1%	27.6%
Sonoma	30.9%	30.8%	32.0%	29.6%	28.8%	28.4%	28.0%	27.5%	26.9%
Marin	33.1%	33.2%	35.6%	33.6%	33.1%	32.8%	32.6%	32.4%	32.1%
Region	32.1%	32.3%	33.1%	31.2%	30.8%	30.8%	30.7%	30.8%	30.9%

***Multi-Vehicle Share of Total Households***

County	1990	1995	2000	2005	2010	2015	2020	2025	2030
San Francisco	28.0%	27.2%	29.9%	30.8%	31.0%	30.8%	30.6%	30.4%	30.2%
San Mateo	62.1%	61.7%	61.5%	68.4%	68.6%	68.1%	67.5%	66.6%	65.7%
Santa Clara	66.9%	66.8%	65.1%	66.3%	66.3%	66.1%	66.0%	65.3%	64.5%
Alameda	54.1%	52.9%	54.1%	55.4%	55.9%	55.6%	55.4%	55.1%	55.0%
Contra Costa	65.0%	65.1%	62.9%	64.2%	65.1%	65.5%	65.8%	65.7%	65.8%
Solano	67.1%	65.1%	65.0%	65.9%	66.1%	66.4%	66.6%	67.0%	67.4%
Napa	63.3%	64.7%	61.0%	65.4%	66.3%	66.6%	66.8%	67.3%	68.0%
Sonoma	63.2%	63.4%	62.3%	65.5%	66.7%	67.3%	67.9%	68.6%	69.3%
Marin	61.9%	62.2%	59.4%	61.7%	62.5%	62.9%	63.3%	63.6%	64.0%
Region	57.6%	57.3%	56.9%	59.0%	59.5%	59.5%	59.5%	59.3%	59.0%

**Table 2 (continued)****Households by Vehicles in Household Forecasts by Bay Area County  
MTC Forecasts, based on ABAG's Projections 2000 & Projections 2005*****Total Households***

County	1990	1995	2000	2005	2010	2015	2020	2025	2030
San Francisco	305,584	309,620	329,697	338,721	345,830	357,030	370,729	383,669	398,283
San Mateo	241,916	246,465	254,104	261,280	268,450	278,650	289,550	298,260	305,390
Santa Clara	520,181	538,900	565,862	595,550	628,672	660,853	692,440	725,092	762,722
Alameda	479,518	490,573	523,365	542,540	564,777	590,878	618,867	647,369	677,400
Contra Costa	300,288	320,239	344,129	368,770	385,250	401,670	419,970	440,220	457,120
Solano	113,052	121,732	130,403	141,100	154,410	167,230	176,700	185,410	193,840
Napa	41,312	44,049	45,402	49,290	51,490	53,400	55,240	56,610	57,430
Sonoma	149,011	160,992	172,403	182,500	193,160	200,430	205,840	209,890	213,840
Marin	95,006	97,119	100,650	103,250	105,560	108,490	111,290	113,840	116,200
Region	2,245,868	2,329,689	2,466,015	2,583,001	2,697,599	2,818,631	2,940,626	3,060,360	3,182,225

***Total Vehicles***

County	1990	1995	2000	2005	2010	2015	2020	2025	2030
San Francisco	326,018	323,989	371,471	384,172	393,700	404,248	417,409	429,979	443,845
San Mateo	458,116	464,978	475,583	520,267	535,359	553,512	571,732	584,391	593,678
Santa Clara	1,042,817	1,080,283	1,109,288	1,178,314	1,242,724	1,303,865	1,364,606	1,420,324	1,481,700
Alameda	811,230	820,605	882,937	925,616	967,155	1,007,834	1,052,495	1,096,487	1,144,506
Contra Costa	576,255	615,957	643,761	697,578	735,478	770,397	807,661	846,344	879,422
Solano	221,920	234,695	253,203	275,886	302,333	328,159	347,313	365,568	383,525
Napa	78,987	85,408	84,877	95,904	100,970	104,935	108,749	112,025	114,299
Sonoma	283,089	306,702	325,849	355,423	380,385	397,103	409,992	420,588	431,177
Marin	175,707	180,315	178,875	187,219	192,887	198,850	204,947	210,342	215,443
Region	3,974,139	4,112,932	4,325,844	4,620,377	4,850,989	5,068,902	5,284,904	5,486,048	5,687,593

***Vehicles per Household***

County	1990	1995	2000	2005	2010	2015	2020	2025	2030
San Francisco	1.067	1.046	1.127	1.134	1.138	1.132	1.126	1.121	1.114
San Mateo	1.894	1.887	1.872	1.991	1.994	1.986	1.975	1.959	1.944
Santa Clara	2.005	2.005	1.960	1.979	1.977	1.973	1.971	1.959	1.943
Alameda	1.692	1.673	1.687	1.706	1.712	1.706	1.701	1.694	1.690
Contra Costa	1.919	1.923	1.871	1.892	1.909	1.918	1.923	1.923	1.924
Solano	1.963	1.928	1.942	1.955	1.958	1.962	1.966	1.972	1.979
Napa	1.912	1.939	1.869	1.946	1.961	1.965	1.969	1.979	1.990
Sonoma	1.900	1.905	1.890	1.948	1.969	1.981	1.992	2.004	2.016
Marin	1.849	1.857	1.777	1.813	1.827	1.833	1.842	1.848	1.854
Region	1.770	1.765	1.754	1.789	1.798	1.798	1.797	1.793	1.787

**Table 2 (continued)****Households by Vehicles in Household Forecasts by Bay Area County  
MTC Forecasts, based on ABAG's Projections 2000 & Projections 2005*****Total Population***

County	1990	1995	2000	2005	2010	2015	2020	2025	2030
San Francisco	723,959	751,700	776,733	797,999	810,700	825,801	859,199	890,401	924,601
San Mateo	649,623	687,500	707,163	723,200	741,000	773,900	806,500	829,200	848,400
Santa Clara	1,497,578	1,599,098	1,682,585	1,750,099	1,855,500	1,959,100	2,073,301	2,165,799	2,267,101
Alameda	1,276,703	1,345,902	1,443,741	1,517,099	1,584,500	1,648,799	1,714,500	1,796,301	1,884,600
Contra Costa	803,732	865,299	948,816	1,016,300	1,055,600	1,102,300	1,150,900	1,200,500	1,244,800
Solano	339,471	370,699	394,542	423,800	466,100	504,500	532,400	558,100	581,800
Napa	110,765	117,501	124,279	134,100	139,700	144,800	148,100	151,100	153,400
Sonoma	388,222	418,101	458,614	477,700	508,000	521,200	534,100	548,200	558,400
Marin	230,096	238,498	247,289	251,400	258,500	268,700	275,000	279,500	284,000
Region	6,020,149	6,394,298	6,783,762	7,091,697	7,419,600	7,749,100	8,094,000	8,419,101	8,747,102

***Vehicles per 1000 Persons***

County	1990	1995	2000	2005	2010	2015	2020	2025	2030
San Francisco	450.3	431.0	478.2	481.4	485.6	489.5	485.8	482.9	480.0
San Mateo	705.2	676.3	672.5	719.4	722.5	715.2	708.9	704.8	699.8
Santa Clara	696.3	675.6	659.3	673.3	669.8	665.5	658.2	655.8	653.6
Alameda	635.4	609.7	611.6	610.1	610.4	611.3	613.9	610.4	607.3
Contra Costa	717.0	711.8	678.5	686.4	696.7	698.9	701.8	705.0	706.5
Solano	653.7	633.1	641.8	651.0	648.6	650.5	652.4	655.0	659.2
Napa	713.1	726.9	683.0	715.2	722.8	724.7	734.3	741.4	745.1
Sonoma	729.2	733.6	710.5	744.0	748.8	761.9	767.6	767.2	772.2
Marin	763.6	756.0	723.3	744.7	746.2	740.0	745.3	752.6	758.6
Region	660.1	643.2	637.7	651.5	653.8	654.1	652.9	651.6	650.2

***Gross Vehicle Density (Vehicles per Square Mile)***

County	1990	1995	2000	2005	2010	2015	2020	2025	2030
San Francisco	6,937.5	6,894.3	7,904.7	8,175.0	8,377.7	8,602.2	8,882.2	9,149.7	9,444.8
San Mateo	1,012.2	1,027.4	1,050.8	1,149.5	1,182.9	1,223.0	1,263.3	1,291.2	1,311.8
Santa Clara	805.7	834.6	857.0	910.4	960.1	1,007.4	1,054.3	1,097.3	1,144.8
Alameda	1,097.0	1,109.7	1,193.9	1,251.7	1,307.8	1,362.8	1,423.2	1,482.7	1,547.6
Contra Costa	727.5	777.6	812.7	880.6	928.5	972.6	1,019.6	1,068.4	1,110.2
Solano	246.3	260.5	281.0	306.2	335.6	364.2	385.5	405.8	425.7
Napa	100.7	108.9	108.2	122.3	128.7	133.8	138.6	142.8	145.7
Sonoma	174.8	189.4	201.2	219.5	234.9	245.2	253.2	259.7	266.3
Marin	338.9	347.8	345.0	361.1	372.0	383.5	395.3	405.7	415.5
Region	555.9	575.3	605.1	646.3	678.6	709.1	739.3	767.4	795.6

**Table S.1**  
**Non-Working Households by MTC 34 Superdistrict & County, 1990-2030**  
**MTC Forecasts based on ABAG Projections 2000 & Projections 2005**

*Non-Working Households (Households with Zero Workers)*

Superdistrict	1990	1995	2000	2005	2010	2015	2020	2025	2030
1 Downtown San Francisco	19,946	21,498	21,594	27,912	26,664	27,329	28,269	28,731	29,478
2 Richmond District	22,889	23,966	20,036	26,875	23,524	22,313	21,469	20,824	21,741
3 Mission District	24,375	24,597	23,435	27,867	25,404	25,824	27,253	29,320	32,484
4 Sunset District	13,148	13,321	12,052	12,954	11,777	11,513	11,638	12,086	12,564
5 Daly City/San Bruno	17,344	16,677	20,582	22,561	19,684	19,266	19,792	20,903	22,769
6 San Mateo/Burlingame	14,547	15,037	16,345	23,313	20,198	18,833	18,135	18,610	20,097
7 Redwood City/Menlo Park	14,988	16,198	15,712	20,881	18,410	17,296	17,221	18,528	20,209
8 Palo Alto/Los Altos	12,762	13,998	14,247	21,721	21,174	19,678	19,099	18,669	19,604
9 Sunnyvale/Mountain View	11,559	11,881	13,901	22,620	21,632	21,046	20,494	21,449	24,762
10 Saratoga/Cupertino	17,557	17,150	20,022	33,602	30,973	27,808	25,535	24,982	26,405
11 Central San Jose	17,924	18,145	18,662	25,448	25,934	26,397	27,106	29,136	32,175
12 Milpitas/East San Jose	10,699	11,206	15,572	18,387	17,900	17,998	18,537	19,832	21,917
13 South San Jose/Almaden	6,538	6,250	9,556	14,860	13,008	11,761	11,512	12,235	13,233
14 Gilroy/Morgan Hill	3,644	3,413	4,732	7,335	7,245	6,789	6,814	7,224	7,652
15 Livermore/Pleasanton	5,876	6,592	8,107	9,067	9,547	10,776	12,281	13,965	15,467
16 Fremont/Union City	9,902	9,797	14,914	14,605	14,033	15,292	17,111	19,351	21,583
17 Hayward/San Leandro	27,983	30,403	29,301	28,904	28,013	29,646	31,760	34,382	36,626
18 Oakland/Alameda	47,909	49,501	46,143	48,647	48,408	51,795	55,653	60,028	64,993
19 Berkeley/Albany	16,882	16,850	16,076	16,970	16,292	16,976	17,622	18,516	19,400
20 Richmond/El Cerrito	20,795	21,442	21,277	21,940	21,629	22,052	23,116	25,123	27,204
21 Concord/Martinez	13,022	14,544	16,736	17,608	17,582	18,905	20,511	23,026	25,703
22 Walnut Creek/Lamorinda	14,626	15,383	16,186	17,812	16,928	17,094	17,789	19,116	20,545
23 Danville/San Ramon	3,484	4,615	5,124	6,888	6,264	6,999	8,377	10,525	12,129
24 Antioch/Pittsburg	11,241	12,192	15,058	18,551	18,652	19,412	20,872	22,887	24,998
25 Vallejo/Benicia	10,551	11,509	11,798	12,468	13,821	14,881	15,962	16,738	17,396
26 Fairfield/Vacaville	10,549	13,318	15,302	17,626	21,045	23,442	25,087	26,679	28,263
27 Napa	7,273	7,643	7,574	7,826	7,800	8,230	8,728	9,145	9,486
28 St. Helena/Calistoga	4,118	3,843	3,929	3,725	3,467	3,233	3,175	3,183	3,205
29 Petaluma/Sonoma	11,698	12,279	13,279	12,577	13,071	13,436	14,235	15,177	15,916
30 Santa Rosa/Sebastopol	19,970	21,004	20,332	21,070	21,672	22,840	24,302	25,773	27,012
31 Healdsburg/Cloverdale	6,229	6,677	7,465	7,661	8,419	9,090	9,756	10,372	10,704
32 Novato	3,471	3,518	4,399	5,081	5,275	6,053	6,599	7,140	7,745
33 San Rafael	8,614	8,630	9,342	10,264	9,800	10,457	11,382	12,581	13,709
34 Mill Valley/Sausalito	7,219	7,136	7,980	9,486	8,144	8,385	9,106	10,383	11,462
<b>Bay Area</b>	<b>469,332</b>	<b>490,213</b>	<b>516,770</b>	<b>615,112</b>	<b>593,389</b>	<b>602,845</b>	<b>626,298</b>	<b>666,619</b>	<b>718,636</b>
San Francisco	80,358	83,382	77,117	95,608	87,369	86,979	88,629	90,961	96,267
San Mateo	46,879	47,912	52,639	66,755	58,292	55,395	55,148	58,041	63,075
Santa Clara	80,683	82,043	96,692	143,973	137,866	131,477	129,097	133,527	145,748
Alameda	108,552	113,143	114,541	118,193	116,293	124,485	134,427	146,242	158,069
Contra Costa	63,168	68,176	74,381	82,799	81,055	84,462	90,665	100,677	110,579
Solano	21,100	24,827	27,100	30,094	34,866	38,323	41,049	43,417	45,659
Napa	11,391	11,486	11,503	11,551	11,267	11,463	11,903	12,328	12,691
Sonoma	37,897	39,960	41,076	41,308	43,162	45,366	48,293	51,322	53,632
Marin	19,304	19,284	21,721	24,831	23,219	24,895	27,087	30,104	32,916

**Table S.2**  
**Single Worker Households by MTC 34 Superdistrict & County, 1990-2030**  
**MTC Forecasts based on ABAG Projections 2000 & Projections 2005**

*Single-Worker Households (One-Worker Households)*

Superdistrict	1990	1995	2000	2005	2010	2015	2020	2025	2030
1 Downtown San Francisco	24,580	25,515	30,099	26,769	29,129	31,866	34,720	37,446	40,240
2 Richmond District	43,968	49,480	44,832	40,177	42,577	44,617	46,494	48,908	51,221
3 Mission District	37,215	43,717	39,059	36,287	38,494	41,613	44,760	48,199	51,490
4 Sunset District	15,297	18,555	15,388	14,799	15,133	15,586	15,931	16,264	16,596
5 Daly City/San Bruno	30,037	33,804	30,214	25,390	27,705	30,174	32,447	34,506	36,139
6 San Mateo/Burlingame	29,475	34,275	30,951	24,853	27,911	31,044	33,752	36,029	37,645
7 Redwood City/Menlo Park	27,142	33,755	28,346	23,685	26,176	29,004	31,898	34,257	36,086
8 Palo Alto/Los Altos	26,189	31,277	28,257	23,716	25,772	28,578	30,753	33,151	35,124
9 Sunnyvale/Mountain View	31,788	40,734	38,138	34,561	38,352	42,881	47,156	52,012	56,862
10 Saratoga/Cupertino	41,888	56,309	46,874	39,618	42,946	46,538	49,938	53,253	55,495
11 Central San Jose	31,823	41,023	33,183	32,062	35,301	39,109	42,967	48,060	53,213
12 Milpitas/East San Jose	26,076	27,331	29,393	28,572	30,978	33,850	36,234	38,626	41,671
13 South San Jose/Almaden	21,114	23,766	24,940	22,102	24,085	26,006	27,531	28,908	29,989
14 Gilroy/Morgan Hill	7,845	9,712	9,760	9,125	10,722	12,178	13,464	14,462	15,246
15 Livermore/Pleasanton	16,977	28,452	23,126	24,357	27,652	30,635	33,799	36,997	40,105
16 Fremont/Union City	29,770	35,577	34,938	34,767	36,282	38,556	41,050	43,722	46,197
17 Hayward/San Leandro	39,612	50,099	42,574	42,754	44,111	46,079	47,839	49,360	50,965
18 Oakland/Alameda	65,165	74,379	68,478	68,410	71,870	75,660	79,501	83,230	87,168
19 Berkeley/Albany	27,875	34,593	28,577	28,118	29,152	30,640	31,930	33,081	34,346
20 Richmond/El Cerrito	29,069	32,515	31,929	32,547	33,466	34,897	36,507	38,364	39,700
21 Concord/Martinez	28,178	36,472	32,072	32,614	34,121	36,006	38,203	40,536	42,501
22 Walnut Creek/Lamorinda	20,506	29,365	22,509	21,475	23,026	24,724	25,920	27,070	27,959
23 Danville/San Ramon	11,891	17,660	16,478	16,991	19,286	21,193	22,820	24,552	25,832
24 Antioch/Pittsburg	19,631	23,966	26,953	30,735	33,580	35,852	38,214	40,611	42,840
25 Vallejo/Benicia	17,182	20,568	18,022	18,454	19,630	21,110	22,443	23,557	24,669
26 Fairfield/Vacaville	23,281	35,525	27,916	30,539	34,367	37,448	39,825	42,035	43,996
27 Napa	9,824	12,333	10,870	11,627	12,496	13,307	14,068	14,621	14,951
28 St. Helena/Calistoga	4,166	6,114	4,870	4,716	4,947	5,197	5,339	5,444	5,495
29 Petaluma/Sonoma	18,631	23,732	21,187	20,930	22,537	23,821	24,716	25,390	25,933
30 Santa Rosa/Sebastopol	23,977	30,660	28,045	29,154	30,983	32,957	34,406	35,424	36,443
31 Healdsburg/Cloverdale	8,490	12,718	9,776	10,392	11,226	11,837	12,247	12,541	12,802
32 Novato	7,238	9,701	7,998	8,514	9,032	9,490	9,976	10,319	10,580
33 San Rafael	15,181	18,872	15,678	15,335	16,252	16,960	17,559	18,000	18,329
34 Mill Valley/Sausalito	15,074	19,357	16,371	14,764	16,349	17,547	18,313	18,720	19,055
<b>Bay Area</b>	<b>826,155</b>	<b>1,021,911</b>	<b>917,801</b>	<b>878,909</b>	<b>945,646</b>	<b>1,016,960</b>	<b>1,082,720</b>	<b>1,147,655</b>	<b>1,206,883</b>
San Francisco	121,060	137,267	129,378	118,032	125,333	133,682	141,905	150,817	159,547
San Mateo	86,654	101,834	89,511	73,928	81,792	90,222	98,097	104,792	109,870
Santa Clara	186,723	230,152	210,545	189,756	208,156	229,140	248,043	268,472	287,600
Alameda	179,399	223,100	197,693	198,406	209,067	221,570	234,119	246,390	258,781
Contra Costa	109,275	139,978	129,941	134,362	143,479	152,672	161,664	171,133	178,832
Solano	40,463	56,093	45,938	48,993	53,997	58,558	62,268	65,592	68,665
Napa	13,990	18,447	15,740	16,343	17,443	18,504	19,407	20,065	20,446
Sonoma	51,098	67,110	59,008	60,476	64,746	68,615	71,369	73,355	75,178
Marin	37,493	47,930	40,047	38,613	41,633	43,997	45,848	47,039	47,964

**Table S.3**  
**Multi-Worker Households by MTC 34 Superdistrict & County, 1990-2030**  
**MTC Forecasts based on ABAG Projections 2000 & Projections 2005**

*Multi-Worker Households (Two-or-More Workers in the Household)*

Superdistrict	1990	1995	2000	2005	2010	2015	2020	2025	2030
1 Downtown San Francisco	13,519	12,601	16,446	16,650	18,387	19,629	21,407	22,806	23,851
2 Richmond District	28,993	23,297	37,295	37,337	39,551	39,870	39,709	38,732	36,900
3 Mission District	42,622	37,117	47,940	49,454	52,354	53,796	55,930	57,356	58,812
4 Sunset District	19,032	15,956	21,521	21,640	22,836	23,074	23,149	22,997	22,906
5 Daly City/San Bruno	44,802	43,531	45,575	50,286	53,185	54,742	55,886	55,816	54,979
6 San Mateo/Burlingame	32,474	28,839	33,104	35,045	37,561	39,195	39,976	39,274	37,844
7 Redwood City/Menlo Park	31,107	24,349	33,275	35,266	37,620	39,096	40,443	40,337	39,622
8 Palo Alto/Los Altos	27,472	22,018	25,564	24,837	26,494	28,042	28,946	29,480	29,447
9 Sunnyvale/Mountain View	36,570	31,070	36,640	35,650	39,091	42,348	45,047	46,759	47,568
10 Saratoga/Cupertino	52,508	40,638	49,946	48,377	51,097	52,758	53,606	52,888	51,469
11 Central San Jose	37,383	31,780	40,204	42,583	47,293	51,988	57,668	62,673	67,700
12 Milpitas/East San Jose	50,400	52,976	54,455	57,501	62,151	66,459	69,813	71,185	73,613
13 South San Jose/Almaden	35,967	36,103	36,824	36,954	38,297	38,957	39,247	38,533	37,733
14 Gilroy/Morgan Hill	12,475	12,120	14,992	15,919	18,227	19,684	20,973	21,575	21,844
15 Livermore/Pleasanton	25,072	17,793	29,254	34,346	38,423	40,736	43,046	45,100	47,137
16 Fremont/Union City	47,917	45,411	49,658	53,114	55,397	56,472	57,370	58,075	58,641
17 Hayward/San Leandro	45,183	34,530	50,735	54,358	57,125	57,897	58,213	57,967	58,354
18 Oakland/Alameda	51,746	41,279	57,428	59,307	62,630	63,497	64,789	66,221	68,111
19 Berkeley/Albany	21,649	15,317	24,056	24,816	25,842	26,221	26,903	27,374	28,307
20 Richmond/El Cerrito	30,275	28,908	32,286	33,790	35,277	36,635	37,612	37,930	37,595
21 Concord/Martinez	35,195	29,030	35,019	35,800	37,288	37,837	38,756	39,134	39,061
22 Walnut Creek/Lamorinda	20,604	12,880	20,415	20,879	21,841	22,136	22,268	22,152	21,800
23 Danville/San Ramon	16,790	15,506	19,869	21,609	23,011	22,975	22,745	21,953	21,621
24 Antioch/Pittsburg	24,981	25,761	32,218	39,531	43,299	44,953	46,260	47,241	47,632
25 Vallejo/Benicia	19,916	16,674	21,141	22,239	22,460	23,978	25,221	26,520	28,038
26 Fairfield/Vacaville	31,573	24,138	36,224	39,774	43,087	46,371	48,162	49,881	51,478
27 Napa	11,034	10,097	12,765	15,146	16,236	16,696	17,135	17,428	17,479
28 St. Helena/Calistoga	4,897	4,019	5,394	6,250	6,544	6,737	6,795	6,789	6,814
29 Petaluma/Sonoma	22,434	20,884	25,982	29,385	31,116	31,497	30,940	30,261	29,748
30 Santa Rosa/Sebastopol	28,138	25,309	34,061	37,271	39,391	40,150	40,576	40,537	40,921
31 Healdsburg/Cloverdale	9,444	7,729	12,276	14,060	14,745	14,802	14,662	14,415	14,361
32 Novato	10,103	7,907	8,779	9,146	9,254	9,036	9,143	9,051	8,850
33 San Rafael	16,394	13,872	16,507	16,560	17,069	16,704	16,106	15,422	14,777
34 Mill Valley/Sausalito	11,712	8,126	13,596	14,100	14,385	13,858	13,106	12,224	11,693
<b>Bay Area</b>	<b>950,381</b>	<b>817,565</b>	<b>1,031,444</b>	<b>1,088,980</b>	<b>1,158,564</b>	<b>1,198,826</b>	<b>1,231,608</b>	<b>1,246,086</b>	<b>1,256,706</b>
San Francisco	104,166	88,971	123,202	125,081	133,128	136,369	140,195	141,891	142,469
San Mateo	108,383	96,719	111,954	120,597	128,366	133,033	136,305	135,427	132,445
Santa Clara	252,775	226,705	258,625	261,821	282,650	300,236	315,300	323,093	329,374
Alameda	191,567	154,330	211,131	225,941	239,417	244,823	250,321	254,737	260,550
Contra Costa	127,845	112,085	139,807	151,609	160,716	164,536	167,641	168,410	167,709
Solano	51,489	40,812	57,365	62,013	65,547	70,349	73,383	76,401	79,516
Napa	15,931	14,116	18,159	21,396	22,780	23,433	23,930	24,217	24,293
Sonoma	60,016	53,922	72,319	80,716	85,252	86,449	86,178	85,213	85,030
Marin	38,209	29,905	38,882	39,806	40,708	39,598	38,355	36,697	35,320

**Table S.4****Total Households by MTC 34 Superdistrict & County, 1990-2030****MTC Forecasts based on ABAG Projections 2000 & Projections 2005*****Total Households***

Superdistrict	1990	1995	2000	2005	2010	2015	2020	2025	2030
1 Downtown San Francisco	58,045	59,614	68,139	71,331	74,180	78,824	84,396	88,983	93,569
2 Richmond District	95,850	96,743	102,163	104,389	105,652	106,800	107,672	108,464	109,862
3 Mission District	104,212	105,431	110,434	113,608	116,252	121,233	127,943	134,875	142,786
4 Sunset District	47,477	47,832	48,961	49,393	49,746	50,173	50,718	51,347	52,066
5 Daly City/San Bruno	92,183	94,012	96,371	98,237	100,574	104,182	108,125	111,225	113,887
6 San Mateo/Burlingame	76,496	78,151	80,400	83,211	85,670	89,072	91,863	93,913	95,586
7 Redwood City/Menlo Park	73,237	74,302	77,333	79,832	82,206	85,396	89,562	93,122	95,917
8 Palo Alto/Los Altos	66,423	67,293	68,068	70,274	73,440	76,298	78,798	81,300	84,175
9 Sunnyvale/Mountain View	79,917	83,685	88,679	92,831	99,075	106,275	112,697	120,220	129,192
10 Saratoga/Cupertino	111,953	114,097	116,842	121,597	125,016	127,104	129,079	131,123	133,369
11 Central San Jose	87,130	90,948	92,049	100,093	108,528	117,494	127,741	139,869	153,088
12 Milpitas/East San Jose	87,175	91,513	99,420	104,460	111,029	118,307	124,584	129,643	137,201
13 South San Jose/Almaden	63,619	66,119	71,320	73,916	75,390	76,724	78,290	79,676	80,955
14 Gilroy/Morgan Hill	23,964	25,245	29,484	32,379	36,194	38,651	41,251	43,261	44,742
15 Livermore/Pleasanton	47,925	52,837	60,487	67,770	75,622	82,147	89,126	96,062	102,709
16 Fremont/Union City	87,589	90,785	99,510	102,486	105,712	110,320	115,531	121,148	126,421
17 Hayward/San Leandro	112,778	115,032	122,610	126,016	129,249	133,622	137,812	141,709	145,945
18 Oakland/Alameda	164,820	165,159	172,049	176,364	182,908	190,952	199,943	209,479	220,272
19 Berkeley/Albany	66,406	66,760	68,709	69,904	71,286	73,837	76,455	78,971	82,053
20 Richmond/El Cerrito	80,139	82,865	85,492	88,277	90,372	93,584	97,235	101,417	104,499
21 Concord/Martinez	76,395	80,046	83,827	86,022	88,991	92,748	97,470	102,696	107,265
22 Walnut Creek/Lamorinda	55,736	57,628	59,110	60,166	61,795	63,954	65,977	68,338	70,304
23 Danville/San Ramon	32,165	37,781	41,471	45,488	48,561	51,167	53,942	57,030	59,582
24 Antioch/Pittsburg	55,853	61,919	74,229	88,817	95,531	100,217	105,346	110,739	115,470
25 Vallejo/Benicia	47,649	48,751	50,961	53,161	55,911	59,969	63,626	66,815	70,103
26 Fairfield/Vacaville	65,403	72,981	79,442	87,939	98,499	107,261	113,074	118,595	123,737
27 Napa	28,131	30,073	31,209	34,599	36,532	38,233	39,931	41,194	41,916
28 St. Helena/Calistoga	13,181	13,976	14,193	14,691	14,958	15,167	15,309	15,416	15,514
29 Petaluma/Sonoma	52,763	56,895	60,448	62,892	66,724	68,754	69,891	70,828	71,597
30 Santa Rosa/Sebastopol	72,085	76,973	82,438	87,495	92,046	95,947	99,284	101,734	104,376
31 Healdsburg/Cloverdale	24,163	27,124	29,517	32,113	34,390	35,729	36,665	37,328	37,867
32 Novato	20,812	21,126	21,176	22,741	23,561	24,579	25,718	26,510	27,175
33 San Rafael	40,189	41,374	41,527	42,159	43,121	44,121	45,047	46,003	46,815
34 Mill Valley/Sausalito	34,005	34,619	37,947	38,350	38,878	39,790	40,525	41,327	42,210
<b>Bay Area</b>	<b>2,245,868</b>	<b>2,329,689</b>	<b>2,466,015</b>	<b>2,583,001</b>	<b>2,697,599</b>	<b>2,818,631</b>	<b>2,940,626</b>	<b>3,060,360</b>	<b>3,182,225</b>
San Francisco	305,584	309,620	329,697	338,721	345,830	357,030	370,729	383,669	398,283
San Mateo	241,916	246,465	254,104	261,280	268,450	278,650	289,550	298,260	305,390
Santa Clara	520,181	538,900	565,862	595,550	628,672	660,853	692,440	725,092	762,722
Alameda	479,518	490,573	523,365	542,540	564,777	590,878	618,867	647,369	677,400
Contra Costa	300,288	320,239	344,129	368,770	385,250	401,670	419,970	440,220	457,120
Solano	113,052	121,732	130,403	141,100	154,410	167,230	176,700	185,410	193,840
Napa	41,312	44,049	45,402	49,290	51,490	53,400	55,240	56,610	57,430
Sonoma	149,011	160,992	172,403	182,500	193,160	200,430	205,840	209,890	213,840
Marin	95,006	97,119	100,650	103,250	105,560	108,490	111,290	113,840	116,200

**Table S.5****Share of Non-Working of Total Households by MTC 34 Superdistrict & County, 1990-2030****MTC Forecasts based on ABAG Projections 2000 & Projections 2005***Share of Non-Working of Total Households*

Superdistrict	1990	1995	2000	2005	2010	2015	2020	2025	2030
1 Downtown San Francisco	34.4%	36.1%	31.7%	39.1%	35.9%	34.7%	33.5%	32.3%	31.5%
2 Richmond District	23.9%	24.8%	19.6%	25.7%	22.3%	20.9%	19.9%	19.2%	19.8%
3 Mission District	23.4%	23.3%	21.2%	24.5%	21.9%	21.3%	21.3%	21.7%	22.8%
4 Sunset District	27.7%	27.8%	24.6%	26.2%	23.7%	22.9%	22.9%	23.5%	24.1%
5 Daly City/San Bruno	18.8%	17.7%	21.4%	23.0%	19.6%	18.5%	18.3%	18.8%	20.0%
6 San Mateo/Burlingame	19.0%	19.2%	20.3%	28.0%	23.6%	21.1%	19.7%	19.8%	21.0%
7 Redwood City/Menlo Park	20.5%	21.8%	20.3%	26.2%	22.4%	20.3%	19.2%	19.9%	21.1%
8 Palo Alto/Los Altos	19.2%	20.8%	20.9%	30.9%	28.8%	25.8%	24.2%	23.0%	23.3%
9 Sunnyvale/Mountain View	14.5%	14.2%	15.7%	24.4%	21.8%	19.8%	18.2%	17.8%	19.2%
10 Saratoga/Cupertino	15.7%	15.0%	17.1%	27.6%	24.8%	21.9%	19.8%	19.1%	19.8%
11 Central San Jose	20.6%	20.0%	20.3%	25.4%	23.9%	22.5%	21.2%	20.8%	21.0%
12 Milpitas/East San Jose	12.3%	12.2%	15.7%	17.6%	16.1%	15.2%	14.9%	15.3%	16.0%
13 South San Jose/Almaden	10.3%	9.5%	13.4%	20.1%	17.3%	15.3%	14.7%	15.4%	16.3%
14 Gilroy/Morgan Hill	15.2%	13.5%	16.0%	22.7%	20.0%	17.6%	16.5%	16.7%	17.1%
15 Livermore/Pleasanton	12.3%	12.5%	13.4%	13.4%	12.6%	13.1%	13.8%	14.5%	15.1%
16 Fremont/Union City	11.3%	10.8%	15.0%	14.3%	13.3%	13.9%	14.8%	16.0%	17.1%
17 Hayward/San Leandro	24.8%	26.4%	23.9%	22.9%	21.7%	22.2%	23.0%	24.3%	25.1%
18 Oakland/Alameda	29.1%	30.0%	26.8%	27.6%	26.5%	27.1%	27.8%	28.7%	29.5%
19 Berkeley/Albany	25.4%	25.2%	23.4%	24.3%	22.9%	23.0%	23.0%	23.4%	23.6%
20 Richmond/El Cerrito	25.9%	25.9%	24.9%	24.9%	23.9%	23.6%	23.8%	24.8%	26.0%
21 Concord/Martinez	17.0%	18.2%	20.0%	20.5%	19.8%	20.4%	21.0%	22.4%	24.0%
22 Walnut Creek/Lamorinda	26.2%	26.7%	27.4%	29.6%	27.4%	26.7%	27.0%	28.0%	29.2%
23 Danville/San Ramon	10.8%	12.2%	12.4%	15.1%	12.9%	13.7%	15.5%	18.5%	20.4%
24 Antioch/Pittsburg	20.1%	19.7%	20.3%	20.9%	19.5%	19.4%	19.8%	20.7%	21.6%
25 Vallejo/Benicia	22.1%	23.6%	23.2%	23.5%	24.7%	24.8%	25.1%	25.1%	24.8%
26 Fairfield/Vacaville	16.1%	18.2%	19.3%	20.0%	21.4%	21.9%	22.2%	22.5%	22.8%
27 Napa	25.9%	25.4%	24.3%	22.6%	21.4%	21.5%	21.9%	22.2%	22.6%
28 St. Helena/Calistoga	31.2%	27.5%	27.7%	25.4%	23.2%	21.3%	20.7%	20.6%	20.7%
29 Petaluma/Sonoma	22.2%	21.6%	22.0%	20.0%	19.6%	19.5%	20.4%	21.4%	22.2%
30 Santa Rosa/Sebastopol	27.7%	27.3%	24.7%	24.1%	23.5%	23.8%	24.5%	25.3%	25.9%
31 Healdsburg/Cloverdale	25.8%	24.6%	25.3%	23.9%	24.5%	25.4%	26.6%	27.8%	28.3%
32 Novato	16.7%	16.7%	20.8%	22.3%	22.4%	24.6%	25.7%	26.9%	28.5%
33 San Rafael	21.4%	20.9%	22.5%	24.3%	22.7%	23.7%	25.3%	27.3%	29.3%
34 Mill Valley/Sausalito	21.2%	20.6%	21.0%	24.7%	20.9%	21.1%	22.5%	25.1%	27.2%
Bay Area	20.9%	21.0%	21.0%	23.8%	22.0%	21.4%	21.3%	21.8%	22.6%
San Francisco	26.3%	26.9%	23.4%	28.2%	25.3%	24.4%	23.9%	23.7%	24.2%
San Mateo	19.4%	19.4%	20.7%	25.5%	21.7%	19.9%	19.0%	19.5%	20.7%
Santa Clara	15.5%	15.2%	17.1%	24.2%	21.9%	19.9%	18.6%	18.4%	19.1%
Alameda	22.6%	23.1%	21.9%	21.8%	20.6%	21.1%	21.7%	22.6%	23.3%
Contra Costa	21.0%	21.3%	21.6%	22.5%	21.0%	21.0%	21.6%	22.9%	24.2%
Solano	18.7%	20.4%	20.8%	21.3%	22.6%	22.9%	23.2%	23.4%	23.6%
Napa	27.6%	26.1%	25.3%	23.4%	21.9%	21.5%	21.5%	21.8%	22.1%
Sonoma	25.4%	24.8%	23.8%	22.6%	22.3%	22.6%	23.5%	24.5%	25.1%
Marin	20.3%	19.9%	21.6%	24.0%	22.0%	22.9%	24.3%	26.4%	28.3%

**Table S.6****Share of Single Worker of Total Households by MTC 34 Superdistrict & County, 1990-2030****MTC Forecasts based on ABAG Projections 2000 & Projections 2005***Share of Single-Worker of Total Households*

Superdistrict	1990	1995	2000	2005	2010	2015	2020	2025	2030
1 Downtown San Francisco	42.3%	42.8%	44.2%	37.5%	39.3%	40.4%	41.1%	42.1%	43.0%
2 Richmond District	45.9%	51.1%	43.9%	38.5%	40.3%	41.8%	43.2%	45.1%	46.6%
3 Mission District	35.7%	41.5%	35.4%	31.9%	33.1%	34.3%	35.0%	35.7%	36.1%
4 Sunset District	32.2%	38.8%	31.4%	30.0%	30.4%	31.1%	31.4%	31.7%	31.9%
5 Daly City/San Bruno	32.6%	36.0%	31.4%	25.8%	27.5%	29.0%	30.0%	31.0%	31.7%
6 San Mateo/Burlingame	38.5%	43.9%	38.5%	29.9%	32.6%	34.9%	36.7%	38.4%	39.4%
7 Redwood City/Menlo Park	37.1%	45.4%	36.7%	29.7%	31.8%	34.0%	35.6%	36.8%	37.6%
8 Palo Alto/Los Altos	39.4%	46.5%	41.5%	33.7%	35.1%	37.5%	39.0%	40.8%	41.7%
9 Sunnyvale/Mountain View	39.8%	48.7%	43.0%	37.2%	38.7%	40.3%	41.8%	43.3%	44.0%
10 Saratoga/Cupertino	37.4%	49.4%	40.1%	32.6%	34.4%	36.6%	38.7%	40.6%	41.6%
11 Central San Jose	36.5%	45.1%	36.0%	32.0%	32.5%	33.3%	33.6%	34.4%	34.8%
12 Milpitas/East San Jose	29.9%	29.9%	29.6%	27.4%	27.9%	28.6%	29.1%	29.8%	30.4%
13 South San Jose/Almaden	33.2%	35.9%	35.0%	29.9%	31.9%	33.9%	35.2%	36.3%	37.0%
14 Gilroy/Morgan Hill	32.7%	38.5%	33.1%	28.2%	29.6%	31.5%	32.6%	33.4%	34.1%
15 Livermore/Pleasanton	35.4%	53.8%	38.2%	35.9%	36.6%	37.3%	37.9%	38.5%	39.0%
16 Fremont/Union City	34.0%	39.2%	35.1%	33.9%	34.3%	34.9%	35.5%	36.1%	36.5%
17 Hayward/San Leandro	35.1%	43.6%	34.7%	33.9%	34.1%	34.5%	34.7%	34.8%	34.9%
18 Oakland/Alameda	39.5%	45.0%	39.8%	38.8%	39.3%	39.6%	39.8%	39.7%	39.6%
19 Berkeley/Albany	42.0%	51.8%	41.6%	40.2%	40.9%	41.5%	41.8%	41.9%	41.9%
20 Richmond/El Cerrito	36.3%	39.2%	37.3%	36.9%	37.0%	37.3%	37.5%	37.8%	38.0%
21 Concord/Martinez	36.9%	45.6%	38.3%	37.9%	38.3%	38.8%	39.2%	39.5%	39.6%
22 Walnut Creek/Lamorinda	36.8%	51.0%	38.1%	35.7%	37.3%	38.7%	39.3%	39.6%	39.8%
23 Danville/San Ramon	37.0%	46.7%	39.7%	37.4%	39.7%	41.4%	42.3%	43.1%	43.4%
24 Antioch/Pittsburg	35.1%	38.7%	36.3%	34.6%	35.2%	35.8%	36.3%	36.7%	37.1%
25 Vallejo/Benicia	36.1%	42.2%	35.4%	34.7%	35.1%	35.2%	35.3%	35.3%	35.2%
26 Fairfield/Vacaville	35.6%	48.7%	35.1%	34.7%	34.9%	34.9%	35.2%	35.4%	35.6%
27 Napa	34.9%	41.0%	34.8%	33.6%	34.2%	34.8%	35.2%	35.5%	35.7%
28 St. Helena/Calistoga	31.6%	43.7%	34.3%	32.1%	33.1%	34.3%	34.9%	35.3%	35.4%
29 Petaluma/Sonoma	35.3%	41.7%	35.0%	33.3%	33.8%	34.6%	35.4%	35.8%	36.2%
30 Santa Rosa/Sebastopol	33.3%	39.8%	34.0%	33.3%	33.7%	34.3%	34.7%	34.8%	34.9%
31 Healdsburg/Cloverdale	35.1%	46.9%	33.1%	32.4%	32.6%	33.1%	33.4%	33.6%	33.8%
32 Novato	34.8%	45.9%	37.8%	37.4%	38.3%	38.6%	38.8%	38.9%	38.9%
33 San Rafael	37.8%	45.6%	37.8%	36.4%	37.7%	38.4%	39.0%	39.1%	39.2%
34 Mill Valley/Sausalito	44.3%	55.9%	43.1%	38.5%	42.1%	44.1%	45.2%	45.3%	45.1%
Bay Area	36.8%	43.9%	37.2%	34.0%	35.1%	36.1%	36.8%	37.5%	37.9%
San Francisco	39.6%	44.3%	39.2%	34.8%	36.2%	37.4%	38.3%	39.3%	40.1%
San Mateo	35.8%	41.3%	35.2%	28.3%	30.5%	32.4%	33.9%	35.1%	36.0%
Santa Clara	35.9%	42.7%	37.2%	31.9%	33.1%	34.7%	35.8%	37.0%	37.7%
Alameda	37.4%	45.5%	37.8%	36.6%	37.0%	37.5%	37.8%	38.1%	38.2%
Contra Costa	36.4%	43.7%	37.8%	36.4%	37.2%	38.0%	38.5%	38.9%	39.1%
Solano	35.8%	46.1%	35.2%	34.7%	35.0%	35.0%	35.2%	35.4%	35.4%
Napa	33.9%	41.9%	34.7%	33.2%	33.9%	34.7%	35.1%	35.4%	35.6%
Sonoma	34.3%	41.7%	34.2%	33.1%	33.5%	34.2%	34.7%	34.9%	35.2%
Marin	39.5%	49.4%	39.8%	37.4%	39.4%	40.6%	41.2%	41.3%	41.3%

**Table S.7****Share of Multi-Worker of Total Households by MTC 34 Superdistrict & County, 1990-2030****MTC Forecasts based on ABAG Projections 2000 & Projections 2005***Share of Multi-Worker of Total Households*

Superdistrict	1990	1995	2000	2005	2010	2015	2020	2025	2030
1 Downtown San Francisco	23.3%	21.1%	24.1%	23.3%	24.8%	24.9%	25.4%	25.6%	25.5%
2 Richmond District	30.2%	24.1%	36.5%	35.8%	37.4%	37.3%	36.9%	35.7%	33.6%
3 Mission District	40.9%	35.2%	43.4%	43.5%	45.0%	44.4%	43.7%	42.5%	41.2%
4 Sunset District	40.1%	33.4%	44.0%	43.8%	45.9%	46.0%	45.6%	44.8%	44.0%
5 Daly City/San Bruno	48.6%	46.3%	47.3%	51.2%	52.9%	52.5%	51.7%	50.2%	48.3%
6 San Mateo/Burlingame	42.5%	36.9%	41.2%	42.1%	43.8%	44.0%	43.5%	41.8%	39.6%
7 Redwood City/Menlo Park	42.5%	32.8%	43.0%	44.2%	45.8%	45.8%	45.2%	43.3%	41.3%
8 Palo Alto/Los Altos	41.4%	32.7%	37.6%	35.3%	36.1%	36.8%	36.7%	36.3%	35.0%
9 Sunnyvale/Mountain View	45.8%	37.1%	41.3%	38.4%	39.5%	39.8%	40.0%	38.9%	36.8%
10 Saratoga/Cupertino	46.9%	35.6%	42.7%	39.8%	40.9%	41.5%	41.5%	40.3%	38.6%
11 Central San Jose	42.9%	34.9%	43.7%	42.5%	43.6%	44.2%	45.1%	44.8%	44.2%
12 Milpitas/East San Jose	57.8%	57.9%	54.8%	55.0%	56.0%	56.2%	56.0%	54.9%	53.7%
13 South San Jose/Almaden	56.5%	54.6%	51.6%	50.0%	50.8%	50.8%	50.1%	48.4%	46.6%
14 Gilroy/Morgan Hill	52.1%	48.0%	50.8%	49.2%	50.4%	50.9%	50.8%	49.9%	48.8%
15 Livermore/Pleasanton	52.3%	33.7%	48.4%	50.7%	50.8%	49.6%	48.3%	46.9%	45.9%
16 Fremont/Union City	54.7%	50.0%	49.9%	51.8%	52.4%	51.2%	49.7%	47.9%	46.4%
17 Hayward/San Leandro	40.1%	30.0%	41.4%	43.1%	44.2%	43.3%	42.2%	40.9%	40.0%
18 Oakland/Alameda	31.4%	25.0%	33.4%	33.6%	34.2%	33.3%	32.4%	31.6%	30.9%
19 Berkeley/Albany	32.6%	22.9%	35.0%	35.5%	36.3%	35.5%	35.2%	34.7%	34.5%
20 Richmond/El Cerrito	37.8%	34.9%	37.8%	38.3%	39.0%	39.1%	38.7%	37.4%	36.0%
21 Concord/Martinez	46.1%	36.3%	41.8%	41.6%	41.9%	40.8%	39.8%	38.1%	36.4%
22 Walnut Creek/Lamorinda	37.0%	22.4%	34.5%	34.7%	35.3%	34.6%	33.8%	32.4%	31.0%
23 Danville/San Ramon	52.2%	41.0%	47.9%	47.5%	47.4%	44.9%	42.2%	38.5%	36.3%
24 Antioch/Pittsburg	44.7%	41.6%	43.4%	44.5%	45.3%	44.9%	43.9%	42.7%	41.3%
25 Vallejo/Benicia	41.8%	34.2%	41.5%	41.8%	40.2%	40.0%	39.6%	39.7%	40.0%
26 Fairfield/Vacaville	48.3%	33.1%	45.6%	45.2%	43.7%	43.2%	42.6%	42.1%	41.6%
27 Napa	39.2%	33.6%	40.9%	43.8%	44.4%	43.7%	42.9%	42.3%	41.7%
28 St. Helena/Calistoga	37.2%	28.8%	38.0%	42.5%	43.7%	44.4%	44.4%	44.0%	43.9%
29 Petaluma/Sonoma	42.5%	36.7%	43.0%	46.7%	46.6%	45.8%	44.3%	42.7%	41.5%
30 Santa Rosa/Sebastopol	39.0%	32.9%	41.3%	42.6%	42.8%	41.8%	40.9%	39.8%	39.2%
31 Healdsburg/Cloverdale	39.1%	28.5%	41.6%	43.8%	42.9%	41.4%	40.0%	38.6%	37.9%
32 Novato	48.5%	37.4%	41.5%	40.2%	39.3%	36.8%	35.6%	34.1%	32.6%
33 San Rafael	40.8%	33.5%	39.8%	39.3%	39.6%	37.9%	35.8%	33.5%	31.6%
34 Mill Valley/Sausalito	34.4%	23.5%	35.8%	36.8%	37.0%	34.8%	32.3%	29.6%	27.7%
Bay Area	42.3%	35.1%	41.8%	42.2%	42.9%	42.5%	41.9%	40.7%	39.5%
San Francisco	34.1%	28.7%	37.4%	36.9%	38.5%	38.2%	37.8%	37.0%	35.8%
San Mateo	44.8%	39.2%	44.1%	46.2%	47.8%	47.7%	47.1%	45.4%	43.4%
Santa Clara	48.6%	42.1%	45.7%	44.0%	45.0%	45.4%	45.5%	44.6%	43.2%
Alameda	39.9%	31.5%	40.3%	41.6%	42.4%	41.4%	40.4%	39.3%	38.5%
Contra Costa	42.6%	35.0%	40.6%	41.1%	41.7%	41.0%	39.9%	38.3%	36.7%
Solano	45.5%	33.5%	44.0%	43.9%	42.4%	42.1%	41.5%	41.2%	41.0%
Napa	38.6%	32.0%	40.0%	43.4%	44.2%	43.9%	43.3%	42.8%	42.3%
Sonoma	40.3%	33.5%	41.9%	44.2%	44.1%	43.1%	41.9%	40.6%	39.8%
Marin	40.2%	30.8%	38.6%	38.6%	38.6%	36.5%	34.5%	32.2%	30.4%

**Table S.8**  
**Zero Vehicle Households by MTC 34 Superdistrict & County, 1990-2030**  
**MTC Forecasts based on ABAG Projections 2000 & Projections 2005**

*Zero Vehicle Households*

Superdistrict	1990	1995	2000	2005	2010	2015	2020	2025	2030
1 Downtown San Francisco	35,304	37,133	40,044	42,353	43,730	46,618	49,774	51,975	54,127
2 Richmond District	26,750	28,436	23,823	24,687	24,841	25,095	25,408	25,609	26,322
3 Mission District	23,438	24,014	20,786	21,110	21,442	22,405	24,126	26,313	28,854
4 Sunset District	7,202	7,370	6,165	6,288	6,114	6,037	6,082	6,146	6,225
5 Daly City/San Bruno	6,203	6,093	6,650	4,965	4,924	5,224	5,577	5,957	6,403
6 San Mateo/Burlingame	4,165	4,366	4,600	3,696	3,706	3,923	4,117	4,236	4,400
7 Redwood City/Menlo Park	4,076	4,410	4,829	4,004	4,104	4,402	4,893	5,387	5,794
8 Palo Alto/Los Altos	3,438	3,750	3,937	4,082	4,381	4,762	4,992	5,069	5,286
9 Sunnyvale/Mountain View	3,507	3,566	4,970	5,707	6,029	6,505	6,929	7,603	8,740
10 Saratoga/Cupertino	4,411	4,020	5,350	5,514	5,524	5,325	5,131	5,041	5,067
11 Central San Jose	8,477	8,948	8,554	10,039	11,584	13,389	15,189	17,848	20,657
12 Milpitas/East San Jose	3,963	4,423	5,483	5,554	6,050	6,516	6,896	7,233	7,977
13 South San Jose/Almaden	1,936	1,901	3,044	3,046	2,949	2,840	2,807	2,811	2,856
14 Gilroy/Morgan Hill	1,005	893	1,449	1,494	1,547	1,573	1,648	1,688	1,682
15 Livermore/Pleasanton	1,338	1,241	2,040	1,933	2,097	2,217	2,427	2,637	2,787
16 Fremont/Union City	2,744	2,678	4,634	4,449	4,495	4,831	5,200	5,683	6,112
17 Hayward/San Leandro	8,786	9,501	9,664	9,926	10,166	10,855	11,457	12,166	12,676
18 Oakland/Alameda	32,916	34,987	30,799	33,064	35,230	37,955	40,809	44,390	48,465
19 Berkeley/Albany	11,509	11,897	10,969	11,295	11,438	12,041	12,386	12,789	13,204
20 Richmond/El Cerrito	8,115	8,541	8,645	8,879	8,574	8,371	8,383	8,580	8,698
21 Concord/Martinez	3,718	3,920	5,717	5,877	5,860	5,968	6,083	6,316	6,544
22 Walnut Creek/Lamorinda	2,722	2,488	3,387	3,429	3,420	3,549	3,675	3,869	4,070
23 Danville/San Ramon	322	389	921	1,005	1,084	1,209	1,397	1,725	1,975
24 Antioch/Pittsburg	3,639	3,859	4,287	4,844	4,844	4,856	4,974	5,020	5,063
25 Vallejo/Benicia	3,499	3,855	3,980	4,126	4,526	5,046	5,505	5,855	6,191
26 Fairfield/Vacaville	2,687	3,426	4,453	5,048	5,560	5,950	6,133	6,240	6,306
27 Napa	1,862	1,878	2,074	1,986	2,020	2,109	2,175	2,166	2,121
28 St. Helena/Calistoga	812	751	634	516	493	460	449	428	410
29 Petaluma/Sonoma	2,764	2,860	3,379	2,607	2,541	2,378	2,247	2,134	2,008
30 Santa Rosa/Sebastopol	4,956	5,316	5,092	4,952	4,772	4,717	4,740	4,713	4,682
31 Healdsburg/Cloverdale	1,102	1,085	1,402	1,375	1,436	1,460	1,452	1,431	1,372
32 Novato	898	823	1,071	1,149	1,132	1,141	1,084	1,012	957
33 San Rafael	2,252	2,261	2,460	2,463	2,402	2,399	2,380	2,368	2,366
34 Mill Valley/Sausalito	1,548	1,383	1,537	1,193	1,108	1,124	1,116	1,149	1,199
<b>Bay Area</b>	<b>232,064</b>	<b>242,462</b>	<b>246,829</b>	<b>252,655</b>	<b>260,123</b>	<b>273,250</b>	<b>287,641</b>	<b>303,587</b>	<b>321,596</b>
San Francisco	92,694	96,953	90,818	94,438	96,127	100,155	105,390	110,043	115,528
San Mateo	14,444	14,869	16,079	12,665	12,734	13,549	14,587	15,580	16,597
Santa Clara	26,737	27,501	32,787	35,436	38,064	40,910	43,592	47,293	52,265
Alameda	57,293	60,304	58,106	60,667	63,426	67,899	72,279	77,665	83,244
Contra Costa	18,516	19,197	22,957	24,034	23,782	23,953	24,512	25,510	26,350
Solano	6,186	7,281	8,433	9,174	10,086	10,996	11,638	12,095	12,497
Napa	2,674	2,629	2,708	2,502	2,513	2,569	2,624	2,594	2,531
Sonoma	8,822	9,261	9,873	8,934	8,749	8,555	8,439	8,278	8,062
Marin	4,698	4,467	5,068	4,805	4,642	4,664	4,580	4,529	4,522

**Table S.9**  
**Single Vehicle Households by MTC 34 Superdistrict & County, 1990-2030**  
**MTC Forecasts based on ABAG Projections 2000 & Projections 2005**

*Single Vehicle Households (One Vehicle Available)*

Superdistrict	1990	1995	2000	2005	2010	2015	2020	2025	2030
1 Downtown San Francisco	17,086	17,003	21,799	21,674	22,637	23,925	25,452	26,839	28,139
2 Richmond District	45,900	46,136	50,275	49,974	50,511	51,220	51,641	52,176	52,951
3 Mission District	44,171	44,894	47,561	47,759	48,708	51,240	54,045	56,868	60,027
4 Sunset District	20,018	20,330	20,529	20,629	20,512	20,628	20,795	21,082	21,381
5 Daly City/San Bruno	29,712	29,170	30,738	25,661	26,155	27,432	29,011	30,572	32,095
6 San Mateo/Burlingame	24,784	25,905	27,120	23,262	23,965	25,203	26,412	27,709	28,891
7 Redwood City/Menlo Park	22,664	24,408	23,845	20,897	21,536	22,628	24,223	25,854	27,194
8 Palo Alto/Los Altos	23,020	24,099	23,799	22,807	23,991	24,980	26,024	27,102	28,601
9 Sunnyvale/Mountain View	28,094	31,009	33,320	34,286	36,615	39,771	42,485	46,282	51,175
10 Saratoga/Cupertino	28,870	29,927	33,470	32,468	33,097	33,336	33,540	34,280	35,235
11 Central San Jose	28,943	30,852	31,204	33,263	36,217	39,313	42,291	46,493	51,029
12 Milpitas/East San Jose	19,107	18,722	20,202	20,162	21,469	22,834	24,109	25,380	27,420
13 South San Jose/Almaden	12,161	11,925	15,848	15,122	15,162	15,256	15,367	15,804	16,209
14 Gilroy/Morgan Hill	5,259	4,965	6,810	6,867	7,462	7,821	8,261	8,638	8,853
15 Livermore/Pleasanton	10,352	11,907	14,742	14,758	16,210	17,625	19,354	20,991	22,389
16 Fremont/Union City	19,766	19,654	24,507	23,358	23,689	25,068	26,641	28,393	29,962
17 Hayward/San Leandro	36,526	39,187	39,860	39,714	40,318	42,097	43,719	45,217	46,426
18 Oakland/Alameda	66,394	68,613	71,146	71,599	73,420	76,420	79,644	82,529	85,479
19 Berkeley/Albany	29,748	31,244	31,790	31,751	32,104	33,291	34,490	35,703	37,005
20 Richmond/El Cerrito	26,828	27,435	30,656	31,171	31,344	31,795	32,701	34,092	34,910
21 Concord/Martinez	22,262	23,973	26,585	27,061	27,577	28,590	29,747	31,308	32,657
22 Walnut Creek/Lamorinda	17,540	18,624	19,880	19,483	19,874	20,631	21,292	22,189	22,983
23 Danville/San Ramon	5,480	6,896	8,018	8,306	8,949	9,816	10,886	12,572	13,668
24 Antioch/Pittsburg	14,492	15,658	19,443	22,016	22,909	23,600	24,511	25,262	25,915
25 Vallejo/Benicia	14,511	15,341	15,693	15,607	16,356	17,289	18,247	19,007	19,795
26 Fairfield/Vacaville	16,476	19,820	21,529	23,346	25,911	27,896	29,096	30,128	30,955
27 Napa	8,149	8,537	10,190	10,269	10,602	11,118	11,605	11,804	11,830
28 St. Helena/Calistoga	4,358	4,398	4,820	4,273	4,229	4,175	4,131	4,091	4,030
29 Petaluma/Sonoma	15,945	17,282	18,412	16,634	17,135	17,324	17,348	17,206	17,031
30 Santa Rosa/Sebastopol	23,249	24,828	27,726	28,255	28,807	29,695	30,238	30,376	30,581
31 Healdsburg/Cloverdale	6,862	7,555	8,997	9,101	9,611	9,910	10,021	10,033	9,940
32 Novato	5,584	5,842	6,433	6,980	7,146	7,490	7,609	7,597	7,604
33 San Rafael	12,955	13,142	14,727	14,754	14,797	14,926	15,154	15,428	15,613
34 Mill Valley/Sausalito	12,930	13,266	14,649	12,965	12,951	13,207	13,477	13,842	14,071
Bay Area	720,196	752,547	816,323	806,232	831,976	867,550	903,567	942,847	982,044
San Francisco	127,175	128,363	140,164	140,036	142,368	147,013	151,933	156,965	162,498
San Mateo	77,160	79,483	81,703	69,820	71,656	75,263	79,646	84,135	88,180
Santa Clara	145,454	151,499	164,653	164,975	174,013	183,311	192,077	203,979	218,522
Alameda	162,786	170,605	182,045	181,180	185,741	194,501	203,848	212,833	221,261
Contra Costa	86,602	92,586	104,582	108,037	110,653	114,432	119,137	125,423	130,133
Solano	30,987	35,161	37,222	38,953	42,267	45,185	47,343	49,135	50,750
Napa	12,507	12,935	15,010	14,542	14,831	15,293	15,736	15,895	15,860
Sonoma	46,056	49,665	55,135	53,990	55,553	56,929	57,607	57,615	57,552
Marin	31,469	32,250	35,809	34,699	34,894	35,623	36,240	36,867	37,288

**Table S.10**  
**Multi-Vehicle Households by MTC 34 Superdistrict & County, 1990-2030**  
**MTC Forecasts based on ABAG Projections 2000 & Projections 2005**

*Multi-Vehicle Households (Two-or-More Vehicles in the Household)*

Superdistrict	1990	1995	2000	2005	2010	2015	2020	2025	2030
1 Downtown San Francisco	5,655	5,478	6,296	7,304	7,813	8,281	9,170	10,169	11,303
2 Richmond District	23,200	22,171	28,065	29,728	30,300	30,485	30,623	30,679	30,589
3 Mission District	36,603	36,523	42,087	44,739	46,102	47,588	49,772	51,694	53,905
4 Sunset District	20,257	20,132	22,267	22,476	23,120	23,508	23,841	24,119	24,460
5 Daly City/San Bruno	56,268	58,749	58,983	67,611	69,495	71,526	73,537	74,696	75,389
6 San Mateo/Burlingame	47,547	47,880	48,680	56,253	57,999	59,946	61,334	61,968	62,295
7 Redwood City/Menlo Park	46,497	45,484	48,659	54,931	56,566	58,366	60,446	61,881	62,929
8 Palo Alto/Los Altos	39,965	39,444	40,332	43,385	45,068	46,556	47,782	49,129	50,288
9 Sunnyvale/Mountain View	48,316	49,110	50,389	52,838	56,431	59,999	63,283	66,335	69,277
10 Saratoga/Cupertino	78,672	80,150	78,022	83,615	86,395	88,443	90,408	91,802	93,067
11 Central San Jose	49,710	51,148	52,291	56,791	60,727	64,792	70,261	75,528	81,402
12 Milpitas/East San Jose	64,105	68,368	73,735	78,744	83,510	88,957	93,579	97,030	101,804
13 South San Jose/Almaden	49,522	52,293	52,428	55,748	57,279	58,628	60,116	61,061	61,890
14 Gilroy/Morgan Hill	17,700	19,387	21,225	24,018	27,185	29,257	31,342	32,935	34,207
15 Livermore/Pleasanton	36,235	39,689	43,705	51,079	57,315	62,305	67,345	72,434	77,533
16 Fremont/Union City	65,079	68,453	70,369	74,679	77,528	80,421	83,690	87,072	90,347
17 Hayward/San Leandro	67,466	66,344	73,086	76,376	78,765	80,670	82,636	84,326	86,843
18 Oakland/Alameda	65,510	61,559	70,104	71,701	74,258	76,577	79,490	82,560	86,328
19 Berkeley/Albany	25,149	23,619	25,950	26,858	27,744	28,505	29,579	30,479	31,844
20 Richmond/El Cerrito	45,196	46,889	46,191	48,227	50,454	53,418	56,151	58,745	60,891
21 Concord/Martinez	50,415	52,153	51,525	53,084	55,554	58,190	61,640	65,072	68,064
22 Walnut Creek/Lamorinda	35,474	36,516	35,843	37,254	38,501	39,774	41,010	42,280	43,251
23 Danville/San Ramon	26,363	30,496	32,532	36,177	38,528	40,142	41,659	42,733	43,939
24 Antioch/Pittsburg	37,722	42,402	50,499	61,957	67,778	71,761	75,861	80,457	84,492
25 Vallejo/Benicia	29,639	29,555	31,288	33,428	35,029	37,634	39,874	41,953	44,117
26 Fairfield/Vacaville	46,240	49,735	53,460	59,545	67,028	73,415	77,845	82,227	86,476
27 Napa	18,120	19,658	18,945	22,344	23,910	25,006	26,151	27,224	27,965
28 St. Helena/Calistoga	8,011	8,827	8,739	9,902	10,236	10,532	10,729	10,897	11,074
29 Petaluma/Sonoma	34,054	36,753	38,657	43,651	47,048	49,052	50,296	51,488	52,558
30 Santa Rosa/Sebastopol	43,880	46,829	49,620	54,288	58,467	61,535	64,306	66,645	69,113
31 Healdsburg/Cloverdale	16,199	18,484	19,118	21,637	23,343	24,359	25,192	25,864	26,555
32 Novato	14,330	14,461	13,672	14,612	15,283	15,948	17,025	17,901	18,614
33 San Rafael	24,982	25,971	24,340	24,942	25,922	26,796	27,513	28,207	28,836
34 Mill Valley/Sausalito	19,527	19,970	21,761	24,192	24,819	25,459	25,932	26,336	26,940
Bay Area	1,293,608	1,334,680	1,402,863	1,524,114	1,605,500	1,677,831	1,749,418	1,813,926	1,878,585
San Francisco	85,715	84,304	98,715	104,247	107,335	109,862	113,406	116,661	120,257
San Mateo	150,312	152,113	156,322	178,795	184,060	189,838	195,317	198,545	200,613
Santa Clara	347,990	359,900	368,422	395,139	416,595	436,632	456,771	473,820	491,935
Alameda	259,439	259,664	283,214	300,693	315,610	328,478	342,740	356,871	372,895
Contra Costa	195,170	208,456	216,590	236,699	250,815	263,285	276,321	289,287	300,637
Solano	75,879	79,290	84,748	92,973	102,057	111,049	117,719	124,180	130,593
Napa	26,131	28,485	27,684	32,246	34,146	35,538	36,880	38,121	39,039
Sonoma	94,133	102,066	107,395	119,576	128,858	134,946	139,794	143,997	148,226
Marin	58,839	60,402	59,773	63,746	66,024	68,203	70,470	72,444	74,390

**Table S.11****Total Households by MTC 34 Superdistrict & County, 1990-2030****ABAG Projections 2000 & Projections 2005, summarized from MTC Master Zonal Database****Total Households**

Superdistrict	1990	1995	2000	2005	2010	2015	2020	2025	2030
1 Downtown San Francisco	58,045	59,614	68,139	71,331	74,180	78,824	84,396	88,983	93,569
2 Richmond District	95,850	96,743	102,163	104,389	105,652	106,800	107,672	108,464	109,862
3 Mission District	104,212	105,431	110,434	113,608	116,252	121,233	127,943	134,875	142,786
4 Sunset District	47,477	47,832	48,961	49,393	49,746	50,173	50,718	51,347	52,066
5 Daly City/San Bruno	92,183	94,012	96,371	98,237	100,574	104,182	108,125	111,225	113,887
6 San Mateo/Burlingame	76,496	78,151	80,400	83,211	85,670	89,072	91,863	93,913	95,586
7 Redwood City/Menlo Park	73,237	74,302	77,333	79,832	82,206	85,396	89,562	93,122	95,917
8 Palo Alto/Los Altos	66,423	67,293	68,068	70,274	73,440	76,298	78,798	81,300	84,175
9 Sunnyvale/Mountain View	79,917	83,685	88,679	92,831	99,075	106,275	112,697	120,220	129,192
10 Saratoga/Cupertino	111,953	114,097	116,842	121,597	125,016	127,104	129,079	131,123	133,369
11 Central San Jose	87,130	90,948	92,049	100,093	108,528	117,494	127,741	139,869	153,088
12 Milpitas/East San Jose	87,175	91,513	99,420	104,460	111,029	118,307	124,584	129,643	137,201
13 South San Jose/Almaden	63,619	66,119	71,320	73,916	75,390	76,724	78,290	79,676	80,955
14 Gilroy/Morgan Hill	23,964	25,245	29,484	32,379	36,194	38,651	41,251	43,261	44,742
15 Livermore/Pleasanton	47,925	52,837	60,487	67,770	75,622	82,147	89,126	96,062	102,709
16 Fremont/Union City	87,589	90,785	99,510	102,486	105,712	110,320	115,531	121,148	126,421
17 Hayward/San Leandro	112,778	115,032	122,610	126,016	129,249	133,622	137,812	141,709	145,945
18 Oakland/Alameda	164,820	165,159	172,049	176,364	182,908	190,952	199,943	209,479	220,272
19 Berkeley/Albany	66,406	66,760	68,709	69,904	71,286	73,837	76,455	78,971	82,053
20 Richmond/El Cerrito	80,139	82,865	85,492	88,277	90,372	93,584	97,235	101,417	104,499
21 Concord/Martinez	76,395	80,046	83,827	86,022	88,991	92,748	97,470	102,696	107,265
22 Walnut Creek/Lamorinda	55,736	57,628	59,110	60,166	61,795	63,954	65,977	68,338	70,304
23 Danville/San Ramon	32,165	37,781	41,471	45,488	48,561	51,167	53,942	57,030	59,582
24 Antioch/Pittsburg	55,853	61,919	74,229	88,817	95,531	100,217	105,346	110,739	115,470
25 Vallejo/Benicia	47,649	48,751	50,961	53,161	55,911	59,969	63,626	66,815	70,103
26 Fairfield/Vacaville	65,403	72,981	79,442	87,939	98,499	107,261	113,074	118,595	123,737
27 Napa	28,131	30,073	31,209	34,599	36,532	38,233	39,931	41,194	41,916
28 St. Helena/Calistoga	13,181	13,976	14,193	14,691	14,958	15,167	15,309	15,416	15,514
29 Petaluma/Sonoma	52,763	56,895	60,448	62,892	66,724	68,754	69,891	70,828	71,597
30 Santa Rosa/Sebastopol	72,085	76,973	82,438	87,495	92,046	95,947	99,284	101,734	104,376
31 Healdsburg/Cloverdale	24,163	27,124	29,517	32,113	34,390	35,729	36,665	37,328	37,867
32 Novato	20,812	21,126	21,176	22,741	23,561	24,579	25,718	26,510	27,175
33 San Rafael	40,189	41,374	41,527	42,159	43,121	44,121	45,047	46,003	46,815
34 Mill Valley/Sausalito	34,005	34,619	37,947	38,350	38,878	39,790	40,525	41,327	42,210
Bay Area	2,245,868	2,329,689	2,466,015	2,583,001	2,697,599	2,818,631	2,940,626	3,060,360	3,182,225
San Francisco	305,584	309,620	329,697	338,721	345,830	357,030	370,729	383,669	398,283
San Mateo	241,916	246,465	254,104	261,280	268,450	278,650	289,550	298,260	305,390
Santa Clara	520,181	538,900	565,862	595,550	628,672	660,853	692,440	725,092	762,722
Alameda	479,518	490,573	523,365	542,540	564,777	590,878	618,867	647,369	677,400
Contra Costa	300,288	320,239	344,129	368,770	385,250	401,670	419,970	440,220	457,120
Solano	113,052	121,732	130,403	141,100	154,410	167,230	176,700	185,410	193,840
Napa	41,312	44,049	45,402	49,290	51,490	53,400	55,240	56,610	57,430
Sonoma	149,011	160,992	172,403	182,500	193,160	200,430	205,840	209,890	213,840
Marin	95,006	97,119	100,650	103,250	105,560	108,490	111,290	113,840	116,200

**Table S.12****Share of Zero Vehicle of Total Households by MTC 34 Superdistrict & County, 1990-2030****MTC Forecasts based on ABAG Projections 2000 & Projections 2005***Share of Zero Vehicle of Total Households*

Superdistrict	1990	1995	2000	2005	2010	2015	2020	2025	2030
1 Downtown San Francisco	60.8%	62.3%	58.8%	59.4%	59.0%	59.1%	59.0%	58.4%	57.8%
2 Richmond District	27.9%	29.4%	23.3%	23.6%	23.5%	23.5%	23.6%	23.6%	24.0%
3 Mission District	22.5%	22.8%	18.8%	18.6%	18.4%	18.5%	18.9%	19.5%	20.2%
4 Sunset District	15.2%	15.4%	12.6%	12.7%	12.3%	12.0%	12.0%	12.0%	12.0%
5 Daly City/San Bruno	6.7%	6.5%	6.9%	5.1%	4.9%	5.0%	5.2%	5.4%	5.6%
6 San Mateo/Burlingame	5.4%	5.6%	5.7%	4.4%	4.3%	4.4%	4.5%	4.5%	4.6%
7 Redwood City/Menlo Park	5.6%	5.9%	6.2%	5.0%	5.0%	5.2%	5.5%	5.8%	6.0%
8 Palo Alto/Los Altos	5.2%	5.6%	5.8%	5.8%	6.0%	6.2%	6.3%	6.2%	6.3%
9 Sunnyvale/Mountain View	4.4%	4.3%	5.6%	6.1%	6.1%	6.1%	6.1%	6.3%	6.8%
10 Saratoga/Cupertino	3.9%	3.5%	4.6%	4.5%	4.4%	4.2%	4.0%	3.8%	3.8%
11 Central San Jose	9.7%	9.8%	9.3%	10.0%	10.7%	11.4%	11.9%	12.8%	13.5%
12 Milpitas/East San Jose	4.5%	4.8%	5.5%	5.3%	5.4%	5.5%	5.5%	5.6%	5.8%
13 South San Jose/Almaden	3.0%	2.9%	4.3%	4.1%	3.9%	3.7%	3.6%	3.5%	3.5%
14 Gilroy/Morgan Hill	4.2%	3.5%	4.9%	4.6%	4.3%	4.1%	4.0%	3.9%	3.8%
15 Livermore/Pleasanton	2.8%	2.3%	3.4%	2.9%	2.8%	2.7%	2.7%	2.7%	2.7%
16 Fremont/Union City	3.1%	2.9%	4.7%	4.3%	4.3%	4.4%	4.5%	4.7%	4.8%
17 Hayward/San Leandro	7.8%	8.3%	7.9%	7.9%	7.9%	8.1%	8.3%	8.6%	8.7%
18 Oakland/Alameda	20.0%	21.2%	17.9%	18.7%	19.3%	19.9%	20.4%	21.2%	22.0%
19 Berkeley/Albany	17.3%	17.8%	16.0%	16.2%	16.0%	16.3%	16.2%	16.2%	16.1%
20 Richmond/El Cerrito	10.1%	10.3%	10.1%	10.1%	9.5%	8.9%	8.6%	8.5%	8.3%
21 Concord/Martinez	4.9%	4.9%	6.8%	6.8%	6.6%	6.4%	6.2%	6.2%	6.1%
22 Walnut Creek/Lamorinda	4.9%	4.3%	5.7%	5.7%	5.5%	5.5%	5.6%	5.7%	5.8%
23 Danville/San Ramon	1.0%	1.0%	2.2%	2.2%	2.2%	2.4%	2.6%	3.0%	3.3%
24 Antioch/Pittsburg	6.5%	6.2%	5.8%	5.5%	5.1%	4.8%	4.7%	4.5%	4.4%
25 Vallejo/Benicia	7.3%	7.9%	7.8%	7.8%	8.1%	8.4%	8.7%	8.8%	8.8%
26 Fairfield/Vacaville	4.1%	4.7%	5.6%	5.7%	5.6%	5.5%	5.4%	5.3%	5.1%
27 Napa	6.6%	6.2%	6.6%	5.7%	5.5%	5.5%	5.4%	5.3%	5.1%
28 St. Helena/Calistoga	6.2%	5.4%	4.5%	3.5%	3.3%	3.0%	2.9%	2.8%	2.6%
29 Petaluma/Sonoma	5.2%	5.0%	5.6%	4.1%	3.8%	3.5%	3.2%	3.0%	2.8%
30 Santa Rosa/Sebastopol	6.9%	6.9%	6.2%	5.7%	5.2%	4.9%	4.8%	4.6%	4.5%
31 Healdsburg/Cloverdale	4.6%	4.0%	4.7%	4.3%	4.2%	4.1%	4.0%	3.8%	3.6%
32 Novato	4.3%	3.9%	5.1%	5.1%	4.8%	4.6%	4.2%	3.8%	3.5%
33 San Rafael	5.6%	5.5%	5.9%	5.8%	5.6%	5.4%	5.3%	5.1%	5.1%
34 Mill Valley/Sausalito	4.6%	4.0%	4.1%	3.1%	2.8%	2.8%	2.8%	2.8%	2.8%
Bay Area	10.3%	10.4%	10.0%	9.8%	9.6%	9.7%	9.8%	9.9%	10.1%
San Francisco	30.3%	31.3%	27.5%	27.9%	27.8%	28.1%	28.4%	28.7%	29.0%
San Mateo	6.0%	6.0%	6.3%	4.8%	4.7%	4.9%	5.0%	5.2%	5.4%
Santa Clara	5.1%	5.1%	5.8%	6.0%	6.1%	6.2%	6.3%	6.5%	6.9%
Alameda	11.9%	12.3%	11.1%	11.2%	11.2%	11.5%	11.7%	12.0%	12.3%
Contra Costa	6.2%	6.0%	6.7%	6.5%	6.2%	6.0%	5.8%	5.8%	5.8%
Solano	5.5%	6.0%	6.5%	6.5%	6.5%	6.6%	6.6%	6.5%	6.4%
Napa	6.5%	6.0%	6.0%	5.1%	4.9%	4.8%	4.8%	4.6%	4.4%
Sonoma	5.9%	5.8%	5.7%	4.9%	4.5%	4.3%	4.1%	3.9%	3.8%
Marin	4.9%	4.6%	5.0%	4.7%	4.4%	4.3%	4.1%	4.0%	3.9%

**Table S.13****Share of Single Vehicle of Total Households by MTC 34 Superdistrict & County, 1990-2030****MTC Forecasts based on ABAG Projections 2000 & Projections 2005***Share of Single-Vehicle of Total Households*

Superdistrict	1990	1995	2000	2005	2010	2015	2020	2025	2030
1 Downtown San Francisco	29.4%	28.5%	32.0%	30.4%	30.5%	30.4%	30.2%	30.2%	30.1%
2 Richmond District	47.9%	47.7%	49.2%	47.9%	47.8%	48.0%	48.0%	48.1%	48.2%
3 Mission District	42.4%	42.6%	43.1%	42.0%	41.9%	42.3%	42.2%	42.2%	42.0%
4 Sunset District	42.2%	42.5%	41.9%	41.8%	41.2%	41.1%	41.0%	41.1%	41.1%
5 Daly City/San Bruno	32.2%	31.0%	31.9%	26.1%	26.0%	26.3%	26.8%	27.5%	28.2%
6 San Mateo/Burlingame	32.4%	33.1%	33.7%	28.0%	28.0%	28.3%	28.8%	29.5%	30.2%
7 Redwood City/Menlo Park	30.9%	32.8%	30.8%	26.2%	26.2%	26.5%	27.0%	27.8%	28.4%
8 Palo Alto/Los Altos	34.7%	35.8%	35.0%	32.5%	32.7%	32.7%	33.0%	33.3%	34.0%
9 Sunnyvale/Mountain View	35.2%	37.1%	37.6%	36.9%	37.0%	37.4%	37.7%	38.5%	39.6%
10 Saratoga/Cupertino	25.8%	26.2%	28.6%	26.7%	26.5%	26.2%	26.0%	26.1%	26.4%
11 Central San Jose	33.2%	33.9%	33.9%	33.2%	33.4%	33.5%	33.1%	33.2%	33.3%
12 Milpitas/East San Jose	21.9%	20.5%	20.3%	19.3%	19.3%	19.3%	19.4%	19.6%	20.0%
13 South San Jose/Almaden	19.1%	18.0%	22.2%	20.5%	20.1%	19.9%	19.6%	19.8%	20.0%
14 Gilroy/Morgan Hill	21.9%	19.7%	23.1%	21.2%	20.6%	20.2%	20.0%	20.0%	19.8%
15 Livermore/Pleasanton	21.6%	22.5%	24.4%	21.8%	21.4%	21.5%	21.7%	21.9%	21.8%
16 Fremont/Union City	22.6%	21.6%	24.6%	22.8%	22.4%	22.7%	23.1%	23.4%	23.7%
17 Hayward/San Leandro	32.4%	34.1%	32.5%	31.5%	31.2%	31.5%	31.7%	31.9%	31.8%
18 Oakland/Alameda	40.3%	41.5%	41.4%	40.6%	40.1%	40.0%	39.8%	39.4%	38.8%
19 Berkeley/Albany	44.8%	46.8%	46.3%	45.4%	45.0%	45.1%	45.1%	45.2%	45.1%
20 Richmond/El Cerrito	33.5%	33.1%	35.9%	35.3%	34.7%	34.0%	33.6%	33.6%	33.4%
21 Concord/Martinez	29.1%	29.9%	31.7%	31.5%	31.0%	30.8%	30.5%	30.5%	30.4%
22 Walnut Creek/Lamorinda	31.5%	32.3%	33.6%	32.4%	32.2%	32.3%	32.3%	32.5%	32.7%
23 Danville/San Ramon	17.0%	18.3%	19.3%	18.3%	18.4%	19.2%	20.2%	22.0%	22.9%
24 Antioch/Pittsburg	25.9%	25.3%	26.2%	24.8%	24.0%	23.5%	23.3%	22.8%	22.4%
25 Vallejo/Benicia	30.5%	31.5%	30.8%	29.4%	29.3%	28.8%	28.7%	28.4%	28.2%
26 Fairfield/Vacaville	25.2%	27.2%	27.1%	26.5%	26.3%	26.0%	25.7%	25.4%	25.0%
27 Napa	29.0%	28.4%	32.7%	29.7%	29.0%	29.1%	29.1%	28.7%	28.2%
28 St. Helena/Calistoga	33.1%	31.5%	34.0%	29.1%	28.3%	27.5%	27.0%	26.5%	26.0%
29 Petaluma/Sonoma	30.2%	30.4%	30.5%	26.4%	25.7%	25.2%	24.8%	24.3%	23.8%
30 Santa Rosa/Sebastopol	32.3%	32.3%	33.6%	32.3%	31.3%	30.9%	30.5%	29.9%	29.3%
31 Healdsburg/Cloverdale	28.4%	27.9%	30.5%	28.3%	27.9%	27.7%	27.3%	26.9%	26.2%
32 Novato	26.8%	27.7%	30.4%	30.7%	30.3%	30.5%	29.6%	28.7%	28.0%
33 San Rafael	32.2%	31.8%	35.5%	35.0%	34.3%	33.8%	33.6%	33.5%	33.4%
34 Mill Valley/Sausalito	38.0%	38.3%	38.6%	33.8%	33.3%	33.2%	33.3%	33.5%	33.3%
Bay Area	32.1%	32.3%	33.1%	31.2%	30.8%	30.8%	30.7%	30.8%	30.9%
San Francisco	41.6%	41.5%	42.5%	41.3%	41.2%	41.2%	41.0%	40.9%	40.8%
San Mateo	31.9%	32.2%	32.2%	26.7%	26.7%	27.0%	27.5%	28.2%	28.9%
Santa Clara	28.0%	28.1%	29.1%	27.7%	27.7%	27.7%	27.7%	28.1%	28.7%
Alameda	33.9%	34.8%	34.8%	33.4%	32.9%	32.9%	32.9%	32.9%	32.7%
Contra Costa	28.8%	28.9%	30.4%	29.3%	28.7%	28.5%	28.4%	28.5%	28.5%
Solano	27.4%	28.9%	28.5%	27.6%	27.4%	27.0%	26.8%	26.5%	26.2%
Napa	30.3%	29.4%	33.1%	29.5%	28.8%	28.6%	28.5%	28.1%	27.6%
Sonoma	30.9%	30.8%	32.0%	29.6%	28.8%	28.4%	28.0%	27.5%	26.9%
Marin	33.1%	33.2%	35.6%	33.6%	33.1%	32.8%	32.6%	32.4%	32.1%

**Table S.14****Share of Multi-Vehicle of Total Households by MTC 34 Superdistrict & County, 1990-2030****MTC Forecasts based on ABAG Projections 2000 & Projections 2005***Share of Multi-Vehicle of Total Households*

Superdistrict	1990	1995	2000	2005	2010	2015	2020	2025	2030
1 Downtown San Francisco	9.7%	9.2%	9.2%	10.2%	10.5%	10.5%	10.9%	11.4%	12.1%
2 Richmond District	24.2%	22.9%	27.5%	28.5%	28.7%	28.5%	28.4%	28.3%	27.8%
3 Mission District	35.1%	34.6%	38.1%	39.4%	39.7%	39.3%	38.9%	38.3%	37.8%
4 Sunset District	42.7%	42.1%	45.5%	45.5%	46.5%	46.9%	47.0%	47.0%	47.0%
5 Daly City/San Bruno	61.0%	62.5%	61.2%	68.8%	69.1%	68.7%	68.0%	67.2%	66.2%
6 San Mateo/Burlingame	62.2%	61.3%	60.5%	67.6%	67.7%	67.3%	66.8%	66.0%	65.2%
7 Redwood City/Menlo Park	63.5%	61.2%	62.9%	68.8%	68.8%	68.3%	67.5%	66.5%	65.6%
8 Palo Alto/Los Altos	60.2%	58.6%	59.3%	61.7%	61.4%	61.0%	60.6%	60.4%	59.7%
9 Sunnyvale/Mountain View	60.5%	58.7%	56.8%	56.9%	57.0%	56.5%	56.2%	55.2%	53.6%
10 Saratoga/Cupertino	70.3%	70.2%	66.8%	68.8%	69.1%	69.6%	70.0%	70.0%	69.8%
11 Central San Jose	57.1%	56.2%	56.8%	56.7%	56.0%	55.1%	55.0%	54.0%	53.2%
12 Milpitas/East San Jose	73.5%	74.7%	74.2%	75.4%	75.2%	75.2%	75.1%	74.8%	74.2%
13 South San Jose/Almaden	77.8%	79.1%	73.5%	75.4%	76.0%	76.4%	76.8%	76.6%	76.4%
14 Gilroy/Morgan Hill	73.9%	76.8%	72.0%	74.2%	75.1%	75.7%	76.0%	76.1%	76.5%
15 Livermore/Pleasanton	75.6%	75.1%	72.3%	75.4%	75.8%	75.8%	75.6%	75.4%	75.5%
16 Fremont/Union City	74.3%	75.4%	70.7%	72.9%	73.3%	72.9%	72.4%	71.9%	71.5%
17 Hayward/San Leandro	59.8%	57.7%	59.6%	60.6%	60.9%	60.4%	60.0%	59.5%	59.5%
18 Oakland/Alameda	39.7%	37.3%	40.7%	40.7%	40.6%	40.1%	39.8%	39.4%	39.2%
19 Berkeley/Albany	37.9%	35.4%	37.8%	38.4%	38.9%	38.6%	38.7%	38.6%	38.8%
20 Richmond/El Cerrito	56.4%	56.6%	54.0%	54.6%	55.8%	57.1%	57.7%	57.9%	58.3%
21 Concord/Martinez	66.0%	65.2%	61.5%	61.7%	62.4%	62.7%	63.2%	63.4%	63.5%
22 Walnut Creek/Lamorinda	63.6%	63.4%	60.6%	61.9%	62.3%	62.2%	62.2%	61.9%	61.5%
23 Danville/San Ramon	82.0%	80.7%	78.4%	79.5%	79.3%	78.5%	77.2%	74.9%	73.7%
24 Antioch/Pittsburg	67.5%	68.5%	68.0%	69.8%	70.9%	71.6%	72.0%	72.7%	73.2%
25 Vallejo/Benicia	62.2%	60.6%	61.4%	62.9%	62.7%	62.8%	62.7%	62.8%	62.9%
26 Fairfield/Vacaville	70.7%	68.1%	67.3%	67.7%	68.0%	68.4%	68.8%	69.3%	69.9%
27 Napa	64.4%	65.4%	60.7%	64.6%	65.4%	65.4%	65.5%	66.1%	66.7%
28 St. Helena/Calistoga	60.8%	63.2%	61.6%	67.4%	68.4%	69.4%	70.1%	70.7%	71.4%
29 Petaluma/Sonoma	64.5%	64.6%	64.0%	69.4%	70.5%	71.3%	72.0%	72.7%	73.4%
30 Santa Rosa/Sebastopol	60.9%	60.8%	60.2%	62.0%	63.5%	64.1%	64.8%	65.5%	66.2%
31 Healdsburg/Cloverdale	67.0%	68.1%	64.8%	67.4%	67.9%	68.2%	68.7%	69.3%	70.1%
32 Novato	68.9%	68.5%	64.6%	64.3%	64.9%	64.9%	66.2%	67.5%	68.5%
33 San Rafael	62.2%	62.8%	58.6%	59.2%	60.1%	60.7%	61.1%	61.3%	61.6%
34 Mill Valley/Sausalito	57.4%	57.7%	57.3%	63.1%	63.8%	64.0%	64.0%	63.7%	63.8%
Bay Area	57.6%	57.3%	56.9%	59.0%	59.5%	59.5%	59.5%	59.3%	59.0%
San Francisco	28.0%	27.2%	29.9%	30.8%	31.0%	30.8%	30.6%	30.4%	30.2%
San Mateo	62.1%	61.7%	61.5%	68.4%	68.6%	68.1%	67.5%	66.6%	65.7%
Santa Clara	66.9%	66.8%	65.1%	66.3%	66.3%	66.1%	66.0%	65.3%	64.5%
Alameda	54.1%	52.9%	54.1%	55.4%	55.9%	55.6%	55.4%	55.1%	55.0%
Contra Costa	65.0%	65.1%	62.9%	64.2%	65.1%	65.5%	65.8%	65.7%	65.8%
Solano	67.1%	65.1%	65.0%	65.9%	66.1%	66.4%	66.6%	67.0%	67.4%
Napa	63.3%	64.7%	61.0%	65.4%	66.3%	66.6%	66.8%	67.3%	68.0%
Sonoma	63.2%	63.4%	62.3%	65.5%	66.7%	67.3%	67.9%	68.6%	69.3%
Marin	61.9%	62.2%	59.4%	61.7%	62.5%	62.9%	63.3%	63.6%	64.0%

**Table S.15****Total Vehicles Available in Households by MTC 34 Superdistrict & County, 1990-2030****MTC Forecasts based on ABAG Projections 2000 & Projections 2005*****Total Vehicles Available in Households***

Superdistrict	1990	1995	2000	2005	2010	2015	2020	2025	2030
1 Downtown San Francisco	29,526	29,053	35,484	37,550	39,619	41,925	45,384	48,942	52,707
2 Richmond District	98,771	96,661	114,841	118,366	120,219	121,354	122,092	122,756	123,324
3 Mission District	130,444	130,980	147,808	154,323	158,518	164,590	172,597	179,998	188,423
4 Sunset District	67,277	67,295	73,337	73,933	75,343	76,380	77,336	78,283	79,390
5 Daly City/San Bruno	172,293	178,038	180,838	197,717	203,006	209,451	216,148	220,658	223,945
6 San Mateo/Burlingame	144,220	146,179	146,663	161,402	166,393	172,412	177,030	179,884	181,869
7 Redwood City/Menlo Park	141,603	140,761	148,081	161,147	165,960	171,648	178,554	183,849	187,864
8 Palo Alto/Los Altos	122,892	122,669	122,947	129,460	134,782	139,429	143,486	147,876	152,224
9 Sunnyvale/Mountain View	147,439	152,309	155,140	162,027	173,043	184,825	195,478	206,653	218,659
10 Saratoga/Cupertino	230,740	235,594	228,197	241,154	248,722	254,072	259,180	263,399	267,512
11 Central San Jose	154,511	160,052	164,180	177,683	190,646	204,079	220,965	238,561	258,034
12 Milpitas/East San Jose	191,487	202,564	225,016	238,889	253,435	269,930	284,043	294,900	310,201
13 South San Jose/Almaden	142,257	149,300	150,499	158,300	162,272	165,830	169,763	172,627	175,161
14 Gilroy/Morgan Hill	53,491	57,795	63,309	70,801	79,826	85,700	91,690	96,308	99,909
15 Livermore/Pleasanton	103,546	113,987	123,262	141,587	158,523	172,328	186,572	200,845	214,903
16 Fremont/Union City	187,017	195,577	204,560	214,439	222,060	230,841	240,779	251,184	261,133
17 Hayward/San Leandro	206,743	206,569	223,284	231,395	237,995	244,554	251,111	256,850	264,376
18 Oakland/Alameda	225,129	217,773	239,858	244,155	252,129	260,710	270,945	281,218	293,236
19 Berkeley/Albany	88,795	86,699	91,973	94,040	96,448	99,400	103,090	106,390	110,858
20 Richmond/El Cerrito	140,224	145,083	146,406	152,023	157,777	165,655	173,410	181,301	187,497
21 Concord/Martinez	147,139	153,157	155,217	159,585	166,268	173,861	183,631	193,760	202,579
22 Walnut Creek/Lamorinda	104,911	108,565	106,448	109,459	112,862	116,693	120,339	124,304	127,443
23 Danville/San Ramon	74,052	86,217	88,873	98,220	104,706	109,585	114,425	118,781	122,874
24 Antioch/Pittsburg	109,929	122,935	146,817	178,290	193,865	204,603	215,855	228,199	239,029
25 Vallejo/Benicia	88,874	89,494	95,640	101,022	105,862	113,451	120,133	126,205	132,523
26 Fairfield/Vacaville	133,046	145,201	157,563	174,864	196,470	214,708	227,180	239,363	251,002
27 Napa	53,920	58,192	57,590	66,174	70,425	73,683	77,035	79,918	81,798
28 St. Helena/Calistoga	25,067	27,216	27,287	29,730	30,545	31,252	31,714	32,106	32,500
29 Petaluma/Sonoma	101,421	109,533	116,245	127,106	136,204	141,465	144,637	147,512	150,045
30 Santa Rosa/Sebastopol	133,563	142,554	152,416	164,675	175,729	184,326	191,833	197,848	204,255
31 Healdsburg/Cloverdale	48,105	54,615	57,188	63,641	68,452	71,312	73,522	75,228	76,877
32 Novato	41,253	41,835	40,074	42,934	44,751	46,732	49,501	51,644	53,406
33 San Rafael	74,562	77,186	73,170	74,642	77,038	79,266	81,215	83,156	84,851
34 Mill Valley/Sausalito	59,892	61,294	65,631	69,642	71,097	72,852	74,230	75,542	77,186
Bay Area	3,974,139	4,112,932	4,325,844	4,620,377	4,850,989	5,068,902	5,284,904	5,486,048	5,687,593
San Francisco	326,018	323,989	371,471	384,172	393,700	404,248	417,409	429,979	443,845
San Mateo	458,116	464,978	475,583	520,267	535,359	553,512	571,732	584,391	593,678
Santa Clara	1,042,817	1,080,283	1,109,288	1,178,314	1,242,724	1,303,865	1,364,606	1,420,324	1,481,700
Alameda	811,230	820,605	882,937	925,616	967,155	1,007,834	1,052,495	1,096,487	1,144,506
Contra Costa	576,255	615,957	643,761	697,578	735,478	770,397	807,661	846,344	879,422
Solano	221,920	234,695	253,203	275,886	302,333	328,159	347,313	365,568	383,525
Napa	78,987	85,408	84,877	95,904	100,970	104,935	108,749	112,025	114,299
Sonoma	283,089	306,702	325,849	355,423	380,385	397,103	409,992	420,588	431,177
Marin	175,707	180,315	178,875	187,219	192,887	198,850	204,947	210,342	215,443

**Table S.16****Average Total Vehicles Available per Household by MTC 34 Superdistrict & County, 1990-2030****MTC Forecasts based on ABAG Projections 2000 & Projections 2005***Average Total Vehicles Available per Household*

Superdistrict	1990	1995	2000	2005	2010	2015	2020	2025	2030
1 Downtown San Francisco	0.509	0.487	0.521	0.526	0.534	0.532	0.538	0.550	0.563
2 Richmond District	1.030	0.999	1.124	1.134	1.138	1.136	1.134	1.132	1.123
3 Mission District	1.252	1.242	1.338	1.358	1.364	1.358	1.349	1.335	1.320
4 Sunset District	1.417	1.407	1.498	1.497	1.515	1.522	1.525	1.525	1.525
5 Daly City/San Bruno	1.869	1.894	1.876	2.013	2.018	2.010	1.999	1.984	1.966
6 San Mateo/Burlingame	1.885	1.870	1.824	1.940	1.942	1.936	1.927	1.915	1.903
7 Redwood City/Menlo Park	1.933	1.894	1.915	2.019	2.019	2.010	1.994	1.974	1.959
8 Palo Alto/Los Altos	1.850	1.823	1.806	1.842	1.835	1.827	1.821	1.819	1.808
9 Sunnyvale/Mountain View	1.845	1.820	1.749	1.745	1.747	1.739	1.735	1.719	1.693
10 Saratoga/Cupertino	2.061	2.065	1.953	1.983	1.990	1.999	2.008	2.009	2.006
11 Central San Jose	1.773	1.760	1.784	1.775	1.757	1.737	1.730	1.706	1.686
12 Milpitas/East San Jose	2.197	2.213	2.263	2.287	2.283	2.282	2.280	2.275	2.261
13 South San Jose/Almaden	2.236	2.258	2.110	2.142	2.152	2.161	2.168	2.167	2.164
14 Gilroy/Morgan Hill	2.232	2.289	2.147	2.187	2.205	2.217	2.223	2.226	2.233
15 Livermore/Pleasanton	2.161	2.157	2.038	2.089	2.096	2.098	2.093	2.091	2.092
16 Fremont/Union City	2.135	2.154	2.056	2.092	2.101	2.092	2.084	2.073	2.066
17 Hayward/San Leandro	1.833	1.796	1.821	1.836	1.841	1.830	1.822	1.813	1.811
18 Oakland/Alameda	1.366	1.319	1.394	1.384	1.378	1.365	1.355	1.342	1.331
19 Berkeley/Albany	1.337	1.299	1.339	1.345	1.353	1.346	1.348	1.347	1.351
20 Richmond/El Cerrito	1.750	1.751	1.713	1.722	1.746	1.770	1.783	1.788	1.794
21 Concord/Martinez	1.926	1.913	1.852	1.855	1.868	1.875	1.884	1.887	1.889
22 Walnut Creek/Lamorinda	1.882	1.884	1.801	1.819	1.826	1.825	1.824	1.819	1.813
23 Danville/San Ramon	2.302	2.282	2.143	2.159	2.156	2.142	2.121	2.083	2.062
24 Antioch/Pittsburg	1.968	1.985	1.978	2.007	2.029	2.042	2.049	2.061	2.070
25 Vallejo/Benicia	1.865	1.836	1.877	1.900	1.893	1.892	1.888	1.889	1.890
26 Fairfield/Vacaville	2.034	1.990	1.983	1.988	1.995	2.002	2.009	2.018	2.029
27 Napa	1.917	1.935	1.845	1.913	1.928	1.927	1.929	1.940	1.951
28 St. Helena/Calistoga	1.902	1.947	1.923	2.024	2.042	2.061	2.072	2.083	2.095
29 Petaluma/Sonoma	1.922	1.925	1.923	2.021	2.041	2.058	2.069	2.083	2.096
30 Santa Rosa/Sebastopol	1.853	1.852	1.849	1.882	1.909	1.921	1.932	1.945	1.957
31 Healdsburg/Cloverdale	1.991	2.014	1.937	1.982	1.990	1.996	2.005	2.015	2.030
32 Novato	1.982	1.980	1.892	1.888	1.899	1.901	1.925	1.948	1.965
33 San Rafael	1.855	1.866	1.762	1.770	1.787	1.797	1.803	1.808	1.812
34 Mill Valley/Sausalito	1.761	1.771	1.730	1.816	1.829	1.831	1.832	1.828	1.829
Bay Area	1.770	1.765	1.754	1.789	1.798	1.798	1.797	1.793	1.787
San Francisco	1.067	1.046	1.127	1.134	1.138	1.132	1.126	1.121	1.114
San Mateo	1.894	1.887	1.872	1.991	1.994	1.986	1.975	1.959	1.944
Santa Clara	2.005	2.005	1.960	1.979	1.977	1.973	1.971	1.959	1.943
Alameda	1.692	1.673	1.687	1.706	1.712	1.706	1.701	1.694	1.690
Contra Costa	1.919	1.923	1.871	1.892	1.909	1.918	1.923	1.923	1.924
Solano	1.963	1.928	1.942	1.955	1.958	1.962	1.966	1.972	1.979
Napa	1.912	1.939	1.869	1.946	1.961	1.965	1.969	1.979	1.990
Sonoma	1.900	1.905	1.890	1.948	1.969	1.981	1.992	2.004	2.016
Marin	1.849	1.857	1.777	1.813	1.827	1.833	1.842	1.848	1.854

**Table S.17**

**Vehicle Ownership Density by MTC 34 Superdistrict & County, 1990-2030**

**MTC Forecasts based on ABAG Projections 2000 & Projections 2005**

*Gross Vehicle Density (Household Vehicles per Square Mile)*

Superdistrict	Total Area (Sq. Miles)	1990	1995	2000	2005	2010	2015	2020	2025	2030
1 Downtown San Francisco	4.96	5,948.0	5,852.7	7,148.2	7,564.4	7,981.2	8,445.6	9,142.5	9,859.3	10,617.8
2 Richmond District	12.13	8,139.8	7,965.9	9,464.1	9,754.6	9,907.3	10,000.8	10,061.7	10,116.4	10,163.2
3 Mission District	19.91	6,550.9	6,577.8	7,422.9	7,750.0	7,960.7	8,265.7	8,667.8	9,039.4	9,462.6
4 Sunset District	9.98	6,739.3	6,741.1	7,346.4	7,406.0	7,547.3	7,651.1	7,746.9	7,841.7	7,952.7
5 Daly City/San Bruno	57.11	3,016.9	3,117.5	3,166.5	3,462.1	3,554.7	3,667.5	3,784.8	3,863.8	3,921.3
6 San Mateo/Burlingame	125.90	1,145.5	1,161.0	1,164.9	1,282.0	1,321.6	1,369.4	1,406.1	1,428.7	1,444.5
7 Redwood City/Menlo Park	269.57	525.3	522.2	549.3	597.8	615.6	636.7	662.4	682.0	696.9
8 Palo Alto/Los Altos	83.15	1,477.9	1,475.2	1,478.6	1,556.9	1,620.9	1,676.8	1,725.6	1,778.4	1,830.6
9 Sunnyvale/Mountain View	79.90	1,845.3	1,906.2	1,941.6	2,027.8	2,165.7	2,313.2	2,446.5	2,586.4	2,736.6
10 Saratoga/Cupertino	122.99	1,876.1	1,915.5	1,855.4	1,960.8	2,022.3	2,065.8	2,107.3	2,141.6	2,175.1
11 Central San Jose	35.07	4,406.3	4,564.4	4,682.1	5,067.1	5,436.8	5,819.9	6,301.5	6,803.3	7,358.6
12 Milpitas/East San Jose	83.60	2,290.5	2,423.0	2,691.5	2,857.5	3,031.5	3,228.8	3,397.6	3,527.4	3,710.5
13 South San Jose/Almaden	58.79	2,419.9	2,539.7	2,560.0	2,692.7	2,760.3	2,820.8	2,887.7	2,936.5	2,979.6
14 Gilroy/Morgan Hill	830.83	64.4	69.6	76.2	85.2	96.1	103.1	110.4	115.9	120.3
15 Livermore/Pleasanton	416.76	248.5	273.5	295.8	339.7	380.4	413.5	447.7	481.9	515.7
16 Fremont/Union City	109.76	1,703.9	1,781.9	1,863.7	1,953.7	2,023.2	2,103.2	2,193.7	2,288.5	2,379.2
17 Hayward/San Leandro	132.23	1,563.5	1,562.2	1,688.6	1,750.0	1,799.9	1,849.5	1,899.1	1,942.5	1,999.4
18 Oakland/Alameda	63.07	3,569.4	3,452.8	3,802.9	3,871.1	3,997.5	4,133.5	4,295.8	4,458.7	4,649.2
19 Berkeley/Albany	17.70	5,017.1	4,898.7	5,196.7	5,313.5	5,449.5	5,616.3	5,824.8	6,011.3	6,263.7
20 Richmond/El Cerrito	153.62	912.8	944.4	953.0	989.6	1,027.1	1,078.3	1,128.8	1,180.2	1,220.5
21 Concord/Martinez	120.09	1,225.2	1,275.4	1,292.5	1,328.9	1,384.5	1,447.8	1,529.1	1,613.5	1,686.9
22 Walnut Creek/Lamorinda	78.98	1,328.4	1,374.6	1,347.8	1,386.0	1,429.1	1,477.6	1,523.7	1,573.9	1,613.7
23 Danville/San Ramon	179.65	412.2	479.9	494.7	546.7	582.8	610.0	636.9	661.2	684.0
24 Antioch/Pittsburg	259.79	423.1	473.2	565.1	686.3	746.2	787.6	830.9	878.4	920.1
25 Vallejo/Benicia	104.95	846.8	852.7	911.3	962.6	1,008.7	1,081.0	1,144.7	1,202.5	1,262.7
26 Fairfield/Vacaville	796.01	167.1	182.4	197.9	219.7	246.8	269.7	285.4	300.7	315.3
27 Napa	127.13	424.1	457.7	453.0	520.5	554.0	579.6	606.0	628.7	643.4
28 St. Helena/Calistoga	657.31	38.1	41.4	41.5	45.2	46.5	47.5	48.2	48.8	49.4
29 Petaluma/Sonoma	325.65	311.4	336.4	357.0	390.3	418.3	434.4	444.1	453.0	460.8
30 Santa Rosa/Sebastopol	253.19	527.5	563.0	602.0	650.4	694.0	728.0	757.7	781.4	806.7
31 Healdsburg/Cloverdale	1040.52	46.2	52.5	55.0	61.2	65.8	68.5	70.7	72.3	73.9
32 Novato	56.74	727.0	737.3	706.3	756.7	788.7	823.6	872.4	910.2	941.2
33 San Rafael	394.67	188.9	195.6	185.4	189.1	195.2	200.8	205.8	210.7	215.0
34 Mill Valley/Sausalito	67.08	892.8	913.7	978.4	1,038.2	1,059.9	1,086.0	1,106.6	1,126.1	1,150.6
Bay Area	7,148.81	555.9	575.3	605.1	646.3	678.6	709.1	739.3	767.4	795.6
San Francisco	46.99	6,937.5	6,894.3	7,904.7	8,175.0	8,377.7	8,602.2	8,882.2	9,149.7	9,444.8
San Mateo	452.58	1,012.2	1,027.4	1,050.8	1,149.5	1,182.9	1,223.0	1,263.3	1,291.2	1,311.8
Santa Clara	1,294.33	805.7	834.6	857.0	910.4	960.1	1,007.4	1,054.3	1,097.3	1,144.8
Alameda	739.51	1,097.0	1,109.7	1,193.9	1,251.7	1,307.8	1,362.8	1,423.2	1,482.7	1,547.6
Contra Costa	792.13	727.5	777.6	812.7	880.6	928.5	972.6	1,019.6	1,068.4	1,110.2
Solano	900.96	246.3	260.5	281.0	306.2	335.6	364.2	385.5	405.8	425.7
Napa	784.44	100.7	108.9	108.2	122.3	128.7	133.8	138.6	142.8	145.7
Sonoma	1,619.37	174.8	189.4	201.2	219.5	234.9	245.2	253.2	259.7	266.3
Marin	518.50	338.9	347.8	345.0	361.1	372.0	383.5	395.3	405.7	415.5

**Table A.1**  
**Households by Number of Vehicles Available by MTC 34 Superdistrict & County, 1980-2000**  
**1980, 1990 and 2000 Decennial Censuses**

MTC 34 Superdistrict	Zero-Vehicle Households			Single-Vehicle Households			Multiple Vehicle Households			Total Households		
	1980	1990	2000	1980	1990	2000	1980	1990	2000	1980	1990	2000
1 Downtown San Francisco	37,514	35,558	40,154	15,693	17,230	21,699	3,818	5,275	6,286	57,025	58,063	68,139
2 Richmond District	31,202	27,092	23,892	44,300	45,472	50,243	18,556	23,286	28,028	94,058	95,850	102,163
3 Mission District	27,092	23,933	20,814	44,007	44,497	47,559	29,530	35,761	42,061	100,629	104,191	110,434
4 Sunset District	7,654	7,223	6,165	23,131	20,072	20,531	16,453	20,185	22,265	47,238	47,480	48,961
5 Daly City/San Bruno	5,790	6,385	6,660	33,157	30,445	30,741	48,801	55,334	58,970	87,748	92,164	96,371
6 San Mateo/Burlingame	4,296	4,173	4,628	24,519	24,863	27,121	40,550	47,442	48,651	69,365	76,478	80,400
7 Redwood City/Menlo Park	4,245	4,125	4,832	24,388	23,088	23,847	39,431	46,059	48,654	68,064	73,272	77,333
8 Palo Alto/Los Altos	3,532	3,508	3,935	22,680	23,098	23,807	33,995	39,784	40,326	60,207	66,390	68,068
9 Sunnyvale/Mtn. View	3,186	3,582	4,989	28,023	28,539	33,334	41,314	47,871	50,356	72,523	79,992	88,679
10 Cupertino/Saratoga	3,829	4,546	5,375	31,117	29,296	33,476	69,607	78,123	77,991	104,553	111,965	116,842
11 Central San Jose	9,630	8,796	8,566	30,488	29,374	31,202	40,915	48,882	52,281	81,033	87,052	92,049
12 Milpitas/East San Jose	2,892	3,964	5,488	18,238	19,681	20,199	47,349	63,520	73,733	68,479	87,165	99,420
13 South San Jose	1,301	1,917	3,041	12,089	12,487	15,853	40,520	49,207	52,426	53,910	63,611	71,320
14 Gilroy/Morgan Hill	843	1,013	1,449	4,235	5,314	6,810	12,659	17,678	21,225	17,737	24,005	29,484
15 Livermore/Pleasanton	945	1,398	2,043	8,287	10,635	14,752	24,277	35,890	43,692	33,509	47,923	60,487
16 Fremont/Union City	2,208	2,854	4,646	16,464	20,528	24,498	46,438	64,187	70,366	65,110	87,569	99,510
17 Hayward/San Leandro	7,952	8,866	9,669	36,012	37,275	39,858	57,852	66,663	73,083	101,816	112,804	122,610
18 Oakland/Alameda	35,971	33,821	30,825	69,163	66,418	71,126	54,324	64,580	70,098	159,458	164,819	172,049
19 Berkeley/Albany	13,879	11,772	10,969	31,717	30,194	31,787	20,570	24,437	25,953	66,166	66,403	68,709
20 Richmond/El Cerrito	7,699	8,504	8,659	25,858	27,057	30,651	35,994	44,618	46,182	69,551	80,179	85,492
21 Concord/Martinez	3,134	3,856	5,719	20,299	22,862	26,587	40,617	49,565	51,521	64,050	76,283	83,827
22 Walnut Creek	2,138	2,695	3,397	16,476	17,384	19,900	31,306	35,710	35,813	49,920	55,789	59,110
23 Danville/San Ramon	205	361	924	3,343	5,576	8,035	16,578	26,178	32,512	20,126	32,115	41,471
24 Antioch/Pittsburg	3,095	3,713	4,290	11,519	14,938	19,442	23,236	37,271	50,497	37,850	55,922	74,229
25 Vallejo/Benicia	3,178	3,628	3,981	13,265	14,679	15,696	19,391	29,342	31,284	35,834	47,649	50,961
26 Fairfield/Vacaville	2,220	2,888	4,453	13,631	17,511	21,533	28,703	45,381	53,456	44,554	65,780	79,442
27 Napa	1,743	1,927	2,074	7,786	8,432	10,200	14,933	17,807	18,935	24,462	28,166	31,209
28 St. Helena	821	814	633	3,958	4,348	4,813	7,375	7,984	8,747	12,154	13,146	14,193
29 Petaluma/Rohnert Park	2,349	2,744	3,382	13,303	16,108	18,410	23,313	33,917	38,656	38,965	52,769	60,448
30 Santa Rosa/Sebastopol	4,324	4,952	5,093	19,769	23,430	27,729	33,252	43,712	49,616	57,345	72,094	82,438
31 Healdsburg/Cloverdale	1,052	1,045	1,403	5,921	7,064	9,001	11,174	16,039	19,113	18,147	24,148	29,517
32 Novato	561	888	1,072	5,291	5,719	6,422	11,621	14,205	13,682	17,473	20,812	21,176
33 San Rafael	2,432	2,369	2,462	13,953	12,884	14,725	22,336	24,925	24,340	38,721	40,178	41,527
34 Mill Valley/Sausalito	1,826	1,622	1,550	13,476	12,801	14,651	17,220	19,593	21,746	32,522	34,016	37,947
<b>Region</b>	<b>240,738</b>	<b>236,532</b>	<b>247,232</b>	<b>705,556</b>	<b>729,299</b>	<b>816,238</b>	<b>1,024,008</b>	<b>1,280,411</b>	<b>1,402,545</b>	<b>1,970,302</b>	<b>2,246,242</b>	<b>2,466,015</b>

**Table A.1 (continued)**

**Households by Number of Vehicles Available by MTC 34 Superdistrict & County, 1980-2000  
1980, 1990 and 2000 Decennial Censuses**

Bay Area County	Zero-Vehicle Households			Single-Vehicle Households			Multiple Vehicle Households			Total Households		
	1980	1990	2000	1980	1990	2000	1980	1990	2000	1980	1990	2000
San Francisco	103,462	93,806	91,025	127,131	127,271	140,032	68,357	84,507	98,640	298,950	305,584	329,697
San Mateo	14,331	14,683	16,120	82,064	78,396	81,709	128,782	148,835	156,275	225,177	241,914	254,104
Santa Clara	25,213	27,326	32,843	146,870	147,789	164,681	286,359	345,065	368,338	458,442	520,180	565,862
Alameda	60,955	58,711	58,152	161,643	165,050	182,021	203,461	255,757	283,192	426,059	479,518	523,365
Contra Costa	16,271	19,129	22,989	77,495	87,817	104,615	147,731	193,342	216,525	241,497	300,288	344,129
Solano	5,398	6,516	8,434	26,896	32,190	37,229	48,094	74,723	84,740	80,388	113,429	130,403
Napa	2,564	2,741	2,707	11,744	12,780	15,013	22,308	25,791	27,682	36,616	41,312	45,402
Sonoma	7,725	8,741	9,878	38,993	46,602	55,140	67,739	93,668	107,385	114,457	149,011	172,403
Marin	4,819	4,879	5,084	32,720	31,404	35,798	51,177	58,723	59,768	88,716	95,006	100,650
<b>Region</b>	<b>240,738</b>	<b>236,532</b>	<b>247,232</b>	<b>705,556</b>	<b>729,299</b>	<b>816,238</b>	<b>1,024,008</b>	<b>1,280,411</b>	<b>1,402,545</b>	<b>1,970,302</b>	<b>2,246,242</b>	<b>2,466,015</b>

**Table A.2**

**Share of Households by Number of Vehicles Available by MTC 34 Superdistrict & County, 1980-1990  
1980, 1990 and 2000 Decennial Censuses**

MTC 34 Superdistrict	Zero-Vehicle Households			Single-Vehicle Households			Multi-Vehicle Households			Total Households		
	1980	1990	2000	1980	1990	2000	1980	1990	2000	1980	1990	2000
1 Downtown San Francisco	65.8%	61.2%	58.9%	27.5%	29.7%	31.8%	6.7%	9.1%	9.2%	100.0%	100.0%	100.0%
2 Richmond District	33.2%	28.3%	23.4%	47.1%	47.4%	49.2%	19.7%	24.3%	27.4%	100.0%	100.0%	100.0%
3 Mission District	26.9%	23.0%	18.8%	43.7%	42.7%	43.1%	29.3%	34.3%	38.1%	100.0%	100.0%	100.0%
4 Sunset District	16.2%	15.2%	12.6%	49.0%	42.3%	41.9%	34.8%	42.5%	45.5%	100.0%	100.0%	100.0%
5 Daly City/San Bruno	6.6%	6.9%	6.9%	37.8%	33.0%	31.9%	55.6%	60.0%	61.2%	100.0%	100.0%	100.0%
6 San Mateo/Burlingame	6.2%	5.5%	5.8%	35.3%	32.5%	33.7%	58.5%	62.0%	60.5%	100.0%	100.0%	100.0%
7 Redwood City/Menlo Park	6.2%	5.6%	6.2%	35.8%	31.5%	30.8%	57.9%	62.9%	62.9%	100.0%	100.0%	100.0%
8 Palo Alto/Los Altos	5.9%	5.3%	5.8%	37.7%	34.8%	35.0%	56.5%	59.9%	59.2%	100.0%	100.0%	100.0%
9 Sunnyvale/Mtn. View	4.4%	4.5%	5.6%	38.6%	35.7%	37.6%	57.0%	59.8%	56.8%	100.0%	100.0%	100.0%
10 Cupertino/Saratoga	3.7%	4.1%	4.6%	29.8%	26.2%	28.7%	66.6%	69.8%	66.7%	100.0%	100.0%	100.0%
11 Central San Jose	11.9%	10.1%	9.3%	37.6%	33.7%	33.9%	50.5%	56.2%	56.8%	100.0%	100.0%	100.0%
12 Milpitas/East San Jose	4.2%	4.5%	5.5%	26.6%	22.6%	20.3%	69.1%	72.9%	74.2%	100.0%	100.0%	100.0%
13 South San Jose	2.4%	3.0%	4.3%	22.4%	19.6%	22.2%	75.2%	77.4%	73.5%	100.0%	100.0%	100.0%
14 Gilroy/Morgan Hill	4.8%	4.2%	4.9%	23.9%	22.1%	23.1%	71.4%	73.6%	72.0%	100.0%	100.0%	100.0%
15 Livermore/Pleasanton	2.8%	2.9%	3.4%	24.7%	22.2%	24.4%	72.4%	74.9%	72.2%	100.0%	100.0%	100.0%
16 Fremont/Union City	3.4%	3.3%	4.7%	25.3%	23.4%	24.6%	71.3%	73.3%	70.7%	100.0%	100.0%	100.0%
17 Hayward/San Leandro	7.8%	7.9%	7.9%	35.4%	33.0%	32.5%	56.8%	59.1%	59.6%	100.0%	100.0%	100.0%
18 Oakland/Alameda	22.6%	20.5%	17.9%	43.4%	40.3%	41.3%	34.1%	39.2%	40.7%	100.0%	100.0%	100.0%
19 Berkeley/Albany	21.0%	17.7%	16.0%	47.9%	45.5%	46.3%	31.1%	36.8%	37.8%	100.0%	100.0%	100.0%
20 Richmond/El Cerrito	11.1%	10.6%	10.1%	37.2%	33.7%	35.9%	51.8%	55.6%	54.0%	100.0%	100.0%	100.0%
21 Concord/Martinez	4.9%	5.1%	6.8%	31.7%	30.0%	31.7%	63.4%	65.0%	61.5%	100.0%	100.0%	100.0%
22 Walnut Creek	4.3%	4.8%	5.7%	33.0%	31.2%	33.7%	62.7%	64.0%	60.6%	100.0%	100.0%	100.0%
23 Danville/San Ramon	1.0%	1.1%	2.2%	16.6%	17.4%	19.4%	82.4%	81.5%	78.4%	100.0%	100.0%	100.0%
24 Antioch/Pittsburg	8.2%	6.6%	5.8%	30.4%	26.7%	26.2%	61.4%	66.6%	68.0%	100.0%	100.0%	100.0%
25 Vallejo/Benicia	8.9%	7.6%	7.8%	37.0%	30.8%	30.8%	54.1%	61.6%	61.4%	100.0%	100.0%	100.0%
26 Fairfield/Vacaville	5.0%	4.4%	5.6%	30.6%	26.6%	27.1%	64.4%	69.0%	67.3%	100.0%	100.0%	100.0%
27 Napa	7.1%	6.8%	6.6%	31.8%	29.9%	32.7%	61.0%	63.2%	60.7%	100.0%	100.0%	100.0%
28 St. Helena	6.8%	6.2%	4.5%	32.6%	33.1%	33.9%	60.7%	60.7%	61.6%	100.0%	100.0%	100.0%
29 Petaluma/Rohnert Park	6.0%	5.2%	5.6%	34.1%	30.5%	30.5%	59.8%	64.3%	63.9%	100.0%	100.0%	100.0%
30 Santa Rosa/Sebastopol	7.5%	6.9%	6.2%	34.5%	32.5%	33.6%	58.0%	60.6%	60.2%	100.0%	100.0%	100.0%
31 Healdsburg/Cloverdale	5.8%	4.3%	4.8%	32.6%	29.3%	30.5%	61.6%	66.4%	64.8%	100.0%	100.0%	100.0%
32 Novato	3.2%	4.3%	5.1%	30.3%	27.5%	30.3%	66.5%	68.3%	64.6%	100.0%	100.0%	100.0%
33 San Rafael	6.3%	5.9%	5.9%	36.0%	32.1%	35.5%	57.7%	62.0%	58.6%	100.0%	100.0%	100.0%
34 Mill Valley/Sausalito	5.6%	4.8%	4.1%	41.4%	37.6%	38.6%	52.9%	57.6%	57.3%	100.0%	100.0%	100.0%
<b>Region</b>	<b>12.2%</b>	<b>10.5%</b>	<b>10.0%</b>	<b>35.8%</b>	<b>32.5%</b>	<b>33.1%</b>	<b>52.0%</b>	<b>57.0%</b>	<b>56.9%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

**Table A.2 (continued)**

**Share of Households by Number of Vehicles Available by MTC 34 Superdistrict & County, 1980-2000**  
**1980, 1990 and 2000 Decennial Censuses**

Bay Area County	Zero-Vehicle Households			Single-Vehicle Households			Two-Vehicle Households			Total Households		
	1980	1990	2000	1980	1990	2000	1980	1990	2000	1980	1990	2000
San Francisco	34.6%	30.7%	27.6%	42.5%	41.6%	42.5%	22.9%	27.7%	29.9%	100.0%	100.0%	100.0%
San Mateo	6.4%	6.1%	6.3%	36.4%	32.4%	32.2%	57.2%	61.5%	61.5%	100.0%	100.0%	100.0%
Santa Clara	5.5%	5.3%	5.8%	32.0%	28.4%	29.1%	62.5%	66.3%	65.1%	100.0%	100.0%	100.0%
Alameda	14.3%	12.2%	11.1%	37.9%	34.4%	34.8%	47.8%	53.3%	54.1%	100.0%	100.0%	100.0%
Contra Costa	6.7%	6.4%	6.7%	32.1%	29.2%	30.4%	61.2%	64.4%	62.9%	100.0%	100.0%	100.0%
Solano	6.7%	5.7%	6.5%	33.5%	28.4%	28.5%	59.8%	65.9%	65.0%	100.0%	100.0%	100.0%
Napa	7.0%	6.6%	6.0%	32.1%	30.9%	33.1%	60.9%	62.4%	61.0%	100.0%	100.0%	100.0%
Sonoma	6.7%	5.9%	5.7%	34.1%	31.3%	32.0%	59.2%	62.9%	62.3%	100.0%	100.0%	100.0%
Marin	5.4%	5.1%	5.1%	36.9%	33.1%	35.6%	57.7%	61.8%	59.4%	100.0%	100.0%	100.0%
<b>Region</b>	<b>12.2%</b>	<b>10.5%</b>	<b>10.0%</b>	<b>35.8%</b>	<b>32.5%</b>	<b>33.1%</b>	<b>52.0%</b>	<b>57.0%</b>	<b>56.9%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

**Table A.3**  
**Vehicles Available by MTC 34 Superdistrict & County, 1980-2000**  
**1980, 1990 and 2000 Decennial Censuses**

MTC 34 Superdistrict	Total Vehicles Available			Vehicles per Household			Vehicles per Multi-Vehicle Household		
	1980	1990	2000	1980	1990	2000	1980	1990	2000
1 Downtown San Francisco	23,890	29,526	37,425	0.419	0.509	0.549	2.147	2.331	2.502
2 Richmond District	86,975	98,771	111,163	0.925	1.030	1.088	2.300	2.289	2.174
3 Mission District	113,472	130,444	144,324	1.128	1.252	1.307	2.352	2.403	2.301
4 Sunset District	61,681	67,277	73,565	1.306	1.417	1.503	2.343	2.339	2.382
5 Daly City/San Bruno	151,962	172,293	170,595	1.732	1.869	1.770	2.434	2.563	2.372
6 San Mateo/Burlingame	129,097	144,220	150,926	1.861	1.886	1.877	2.579	2.516	2.545
7 Redwood City/Menlo Park	122,971	141,603	143,325	1.807	1.933	1.853	2.500	2.573	2.456
8 Palo Alto/Los Altos	109,922	122,892	126,768	1.826	1.851	1.862	2.566	2.508	2.553
9 Sunnyvale/Mtn. View	130,202	147,439	157,123	1.795	1.843	1.772	2.473	2.484	2.458
10 Cupertino/Saratoga	217,887	230,740	222,027	2.084	2.061	1.900	2.683	2.579	2.418
11 Central San Jose	133,096	154,511	161,683	1.642	1.775	1.756	2.508	2.560	2.496
12 Milpitas/East San Jose	143,714	191,487	207,703	2.099	2.197	2.089	2.650	2.705	2.543
13 South San Jose	120,083	142,257	161,474	2.227	2.236	2.264	2.665	2.637	2.778
14 Gilroy/Morgan Hill	42,296	53,491	61,321	2.385	2.228	2.080	3.007	2.725	2.568
15 Livermore/Pleasanton	71,529	103,546	131,056	2.135	2.161	2.167	2.605	2.589	2.662
16 Fremont/Union City	141,422	187,017	199,218	2.172	2.136	2.002	2.691	2.594	2.483
17 Hayward/San Leandro	180,617	206,743	226,852	1.774	1.833	1.850	2.500	2.542	2.559
18 Oakland/Alameda	200,760	225,129	247,049	1.259	1.366	1.436	2.422	2.458	2.510
19 Berkeley/Albany	80,996	88,795	94,246	1.224	1.337	1.372	2.396	2.398	2.407
20 Richmond/El Cerrito	116,348	140,224	137,758	1.673	1.749	1.611	2.514	2.536	2.319
21 Concord/Martinez	129,534	147,139	155,692	2.022	1.929	1.857	2.689	2.507	2.506
22 Walnut Creek	91,832	104,911	109,307	1.840	1.880	1.849	2.407	2.451	2.496
23 Danville/San Ramon	45,096	74,052	86,559	2.241	2.306	2.087	2.519	2.616	2.415
24 Antioch/Pittsburg	73,526	109,929	144,948	1.943	1.966	1.953	2.669	2.549	2.485
25 Vallejo/Benicia	60,948	88,874	94,603	1.701	1.865	1.856	2.459	2.529	2.522
26 Fairfield/Vacaville	86,941	133,046	158,124	1.951	2.023	1.990	2.554	2.546	2.555
27 Napa	48,185	53,920	58,383	1.970	1.914	1.871	2.705	2.555	2.545
28 St. Helena	22,611	25,067	26,698	1.860	1.907	1.881	2.529	2.595	2.502
29 Petaluma/Rohnert Park	77,174	101,421	117,789	1.981	1.922	1.949	2.740	2.515	2.571
30 Santa Rosa/Sebastopol	107,046	133,563	153,295	1.867	1.853	1.860	2.625	2.520	2.531
31 Healdsburg/Cloverdale	34,766	48,105	57,029	1.916	1.992	1.932	2.581	2.559	2.513
32 Novato	34,318	41,253	40,911	1.964	1.982	1.932	2.498	2.502	2.521
33 San Rafael	69,404	74,562	74,615	1.792	1.856	1.797	2.483	2.475	2.461
34 Mill Valley/Sausalito	55,591	59,892	66,866	1.709	1.761	1.762	2.446	2.403	2.401
<b>Region</b>	<b>3,315,892</b>	<b>3,974,139</b>	<b>4,310,421</b>	<b>1.683</b>	<b>1.769</b>	<b>1.748</b>	<b>2.549</b>	<b>2.534</b>	<b>2.491</b>

**Table A.3 (continued)**

**Vehicles Available by MTC 34 Superdistrict & County, 1980-2000  
1980, 1990 and 2000 Decennial Censuses**

Bay Area County	Total Vehicles Available			Vehicles per Household			Vehicles per Multi-Vehicle Household		
	1980	1990	2000	1980	1990	2000	1980	1990	2000
San Francisco	286,018	326,018	366,477	0.957	1.067	1.112	2.324	2.352	2.296
San Mateo	404,030	458,116	464,845	1.794	1.894	1.829	2.500	2.551	2.452
Santa Clara	897,200	1,042,817	1,098,099	1.957	2.005	1.941	2.620	2.594	2.534
Alameda	675,324	811,230	898,421	1.585	1.692	1.717	2.525	2.527	2.530
Contra Costa	456,336	576,255	634,264	1.890	1.919	1.843	2.564	2.526	2.446
Solano	147,889	221,920	252,728	1.840	1.956	1.938	2.516	2.539	2.543
Napa	70,796	78,987	85,081	1.933	1.912	1.874	2.647	2.567	2.531
Sonoma	218,986	283,089	328,114	1.913	1.900	1.903	2.657	2.525	2.542
Marin	159,313	175,707	182,392	1.796	1.849	1.812	2.474	2.457	2.453
<b>Region</b>	<b>3,315,892</b>	<b>3,974,139</b>	<b>4,310,421</b>	<b>1.683</b>	<b>1.769</b>	<b>1.748</b>	<b>2.549</b>	<b>2.534</b>	<b>2.491</b>

**Table A.4**  
**Households by Vehicle Availability – 1960 - 2000**  
**1960 - 2000 Decennial Censuses**

County	Year	No Vehicle	% of Total	One Vehicle	% of Total	Two Vehicles	% of Total	Three-Plus Vehicles	% of Total	Total Households
Alameda	1960	54,827	18.6%	162,752	55.1%	68,373	23.1%	9,415	3.2%	295,367
	1970	60,997	16.7%	170,535	46.7%	111,578	30.6%	21,983	6.0%	365,093
	1980	60,955	14.3%	161,652	37.9%	129,851	30.5%	73,634	17.3%	426,092
	1990	58,711	12.2%	165,050	34.4%	165,918	34.6%	89,839	18.7%	479,518
	2000	57,287	10.9%	182,586	34.9%	189,075	36.1%	94,418	18.0%	523,366
Contra Costa	1960	10,262	8.7%	63,862	54.2%	38,885	33.0%	4,849	4.1%	117,858
	1970	13,116	7.6%	72,007	41.6%	71,768	41.5%	16,060	9.3%	172,951
	1980	16,271	6.7%	77,498	32.1%	91,406	37.8%	56,359	23.3%	241,534
	1990	19,129	6.4%	87,817	29.2%	123,621	41.2%	69,721	23.2%	300,288
	2000	22,353	6.5%	104,978	30.5%	140,655	40.9%	76,143	22.1%	344,129
Marin	1960	3,967	9.0%	24,877	56.3%	14,083	31.9%	1,268	2.9%	44,195
	1970	4,619	6.9%	29,647	44.1%	27,780	41.3%	5,220	7.8%	67,266
	1980	4,819	5.4%	32,722	36.9%	34,063	38.4%	17,119	19.3%	88,723
	1990	4,879	5.1%	31,404	33.1%	39,311	41.4%	19,412	20.4%	95,006
	2000	5,094	5.1%	35,175	34.9%	42,530	42.3%	17,851	17.7%	100,650
Napa	1960	1,819	9.6%	11,029	58.5%	5,465	29.0%	554	2.9%	18,867
	1970	2,550	10.2%	10,938	43.6%	9,313	37.1%	2,297	9.2%	25,098
	1980	2,564	7.0%	11,744	32.1%	12,374	33.8%	9,942	27.1%	36,624
	1990	2,741	6.6%	12,780	30.9%	16,366	39.6%	9,425	22.8%	41,312
	2000	2,803	6.2%	14,688	32.4%	18,052	39.8%	9,859	21.7%	45,402
San Francisco	1960	122,847	42.1%	136,689	46.8%	27,263	9.3%	5,171	1.8%	291,970
	1970	116,816	39.6%	133,633	45.3%	38,371	13.0%	6,354	2.2%	295,174
	1980	103,462	34.6%	127,131	42.5%	51,869	17.4%	16,494	5.5%	298,956
	1990	93,806	30.7%	127,271	41.6%	64,379	21.1%	20,128	6.6%	305,584
	2000	94,178	28.6%	138,526	42.0%	73,017	22.1%	23,979	7.3%	329,700
San Mateo	1960	10,723	7.9%	75,382	55.8%	43,807	32.4%	5,259	3.9%	135,171
	1970	13,871	7.5%	83,622	45.2%	71,859	38.8%	15,676	8.5%	185,028
	1980	14,338	6.4%	82,065	36.4%	82,946	36.8%	45,852	20.4%	225,201
	1990	14,683	6.1%	78,396	32.4%	93,527	38.7%	55,308	22.9%	241,914
	2000	15,507	6.1%	80,879	31.8%	101,478	39.9%	56,239	22.1%	254,103
Santa Clara	1960	16,216	8.8%	99,770	54.0%	59,952	32.4%	8,976	4.9%	184,914
	1970	22,224	6.9%	129,631	40.2%	139,888	43.3%	31,039	9.6%	322,782
	1980	25,213	5.5%	146,886	32.0%	171,326	37.4%	115,094	25.1%	458,519
	1990	27,326	5.3%	147,789	28.4%	210,612	40.5%	134,453	25.8%	520,180
	2000	31,978	5.7%	164,212	29.0%	231,806	41.0%	137,867	24.4%	565,863
Solano	1960	4,260	11.1%	24,238	63.0%	8,776	22.8%	1,179	3.1%	38,453
	1970	4,505	8.8%	25,602	50.1%	17,588	34.4%	3,425	6.7%	51,120
	1980	5,398	6.7%	26,915	33.5%	29,148	36.2%	18,965	23.6%	80,426
	1990	6,516	5.7%	32,190	28.4%	47,208	41.6%	27,515	24.3%	113,429
	2000	8,566	6.6%	37,921	29.1%	52,087	39.9%	31,829	24.4%	130,403
Sonoma	1960	6,832	14.5%	25,732	54.5%	12,767	27.1%	1,860	3.9%	47,191
	1970	7,189	10.6%	32,183	47.4%	23,094	34.0%	5,395	8.0%	67,861
	1980	7,725	6.7%	38,997	34.1%	39,039	34.1%	28,713	25.1%	114,474
	1990	8,741	5.9%	46,602	31.3%	59,959	40.2%	33,709	22.6%	149,011
	2000	9,921	5.8%	54,446	31.6%	69,169	40.1%	38,867	22.5%	172,403
Bay Area	1960	231,753	19.7%	624,331	53.2%	279,371	23.8%	38,531	3.3%	1,173,986
	1970	245,887	15.8%	687,798	44.3%	511,239	32.9%	107,449	6.9%	1,552,373
	1980	240,745	12.2%	705,610	35.8%	642,022	32.6%	382,172	19.4%	1,970,549
	1990	236,532	10.5%	729,299	32.5%	820,901	36.5%	459,510	20.5%	2,246,242
	2000	247,687	10.0%	813,411	33.0%	917,869	37.2%	487,052	19.8%	2,466,019

**Table A.5**  
**Household Vehicles Available – by County – 1960-2000**  
**1960 - 2000 Decennial Censuses**

County	Year	Average, 3+ V/HH	Total Vehicles	Total Households	Vehicles per Household	Total Population	Vehicles per Capita
Alameda	1960	3.450	331,980	295,367	1.12	908,209	0.37
	1970	3.450	469,532	365,093	1.29	1,071,446	0.44
	1980	3.454	675,686	426,092	1.59	1,105,379	0.61
	1990	3.422	804,327	479,518	1.68	1,279,182	0.63
	2000	3.447	886,195	523,366	1.69	1,443,741	0.61
Contra Costa	1960	3.450	158,361	117,858	1.34	409,030	0.39
	1970	3.450	270,950	172,951	1.57	556,116	0.49
	1980	3.460	455,312	241,534	1.89	656,380	0.69
	1990	3.411	572,878	300,288	1.91	803,732	0.71
	2000	3.416	646,400	344,129	1.88	948,816	0.68
Marin	1960	3.400	57,354	44,195	1.30	146,820	0.39
	1970	3.400	102,955	67,266	1.53	208,652	0.49
	1980	3.417	159,344	88,723	1.80	222,568	0.72
	1990	3.365	175,343	95,006	1.85	230,096	0.76
	2000	3.358	180,184	100,650	1.79	247,289	0.73
Napa	1960	3.450	23,870	18,867	1.27	65,890	0.36
	1970	3.450	37,489	25,098	1.49	79,140	0.47
	1980	3.467	70,961	36,624	1.94	99,199	0.72
	1990	3.490	78,407	41,312	1.90	110,765	0.71
	2000	3.480	85,105	45,402	1.87	124,279	0.68
San Francisco	1960	3.340	208,486	291,970	0.71	740,316	0.28
	1970	3.340	231,597	295,174	0.78	715,674	0.32
	1980	3.343	286,008	298,956	0.96	678,974	0.42
	1990	3.342	323,304	305,584	1.06	723,959	0.45
	2000	3.444	367,151	329,700	1.11	776,733	0.47
San Mateo	1960	3.350	180,614	135,171	1.34	444,387	0.41
	1970	3.350	279,855	185,028	1.51	557,361	0.50
	1980	3.398	403,762	225,201	1.79	587,329	0.69
	1990	3.438	455,620	241,914	1.88	649,623	0.70
	2000	3.465	478,731	254,103	1.88	707,161	0.68
Santa Clara	1960	3.450	250,641	184,914	1.36	642,315	0.39
	1970	3.450	516,492	322,782	1.60	1,065,313	0.48
	1980	3.560	899,273	458,519	1.96	1,295,071	0.69
	1990	3.486	1,037,689	520,180	1.99	1,497,577	0.69
	2000	3.486	1,114,422	565,863	1.97	1,682,585	0.66
Solano	1960	3.300	45,681	38,453	1.19	134,597	0.34
	1970	3.300	72,081	51,120	1.41	171,989	0.42
	1980	3.312	148,023	80,426	1.84	235,203	0.63
	1990	3.402	220,208	113,429	1.94	340,421	0.65
	2000	3.453	252,004	130,403	1.93	394,542	0.64
Sonoma	1960	3.450	57,683	47,191	1.22	147,375	0.39
	1970	3.450	96,984	67,861	1.43	204,885	0.47
	1980	3.544	218,834	114,474	1.91	299,681	0.73
	1990	3.439	282,450	149,011	1.90	388,222	0.73
	2000	3.462	327,333	172,403	1.90	458,614	0.71
Bay Area	1960	3.415	1,314,670	1,173,986	1.12	3,638,939	0.36
	1970	3.422	2,077,935	1,552,373	1.34	4,630,576	0.45
	1980	3.474	3,317,203	1,970,549	1.68	5,179,784	0.64
	1990	3.437	3,950,226	2,246,242	1.76	6,023,577	0.66
	2000	3.467	4,337,525	2,466,019	1.76	6,783,760	0.64

# Figure 1

## Map of MTC's 34 Superdistricts

