
APPENDIX C

Surface Area, Population, and
Average Daily Vehicle Miles Traveled

Introduction

The appendix provides information on the square mile surface area, population, and average number of vehicle miles traveled each day in California. The data reflect the year 2000 and are listed for each air basin and for each county within the air basin. In cases where a county is split between two or more air basins, the data reflect only that portion within the respective air basin.

The population data were derived from reports developed by the California Department of Finance (DOF), Demographic Research Unit. DOF provided provisional population estimates for California air basins and the component counties as of January 1, 1999. Where available, these January 1, 1999, populations were used to develop the percentages that show how a county population would be distributed among two or more air basins. However, Placer County, was split only into the Lake Tahoe and Sacramento Valley air basins. To estimate the population of Placer county in the Mountain Counties Air Basin, the Sacramento Valley Air Basin portion was split by the relative percentage reported in a DOF letter concerning air

basin populations for January 1990 (the last year that DOF showed a Mountain Counties / Sacramento Valley split).

The data for the average number of vehicle miles traveled each day (VMT data) are from the Motor Vehicle Emission Inventory 7G Model (MVEI 7G). Generally, estimates of VMT by county used in MVEI 7G are obtained from the California Department of Transportation (Caltrans), Office of Travel Forecasting and Analysis. The Caltrans Motor Vehicle Stock, Travel, and Fuel Forecast report provides historical VMT data for the State highway system and estimates of local road travel, by county, for the years up to and including 1994. Caltrans projections are generally used for the years beyond 1994. Local data from travel demand models are used where available and appropriate. Sub-county estimates are produced by ARB staff to model counties in two or more air basins, as well as sub-county implementation of the Enhanced Inspection and Maintenance program.

2000 Surface Area, Population, and Average Daily Vehicle Miles Traveled by Air Basin

Great Basin Valleys Air Basin

Category	Alpine	Inyo	Mono
Surface Area (sq. miles)	723	10130	3027
Population	1200	18400	10900
VMT	161323	1348793	813097

Table C-1

Lake County Air Basin

Category	Lake
Surface Area (sq. miles)	1260
Population	60100
VMT	1415759

Table C-2

Lake Tahoe Air Basin

Category	El Dorado	Placer
Surface Area (sq. miles)	350	150
Population	34900	11000
VMT	1061182	552854

Table C-3

Mojave Desert Air Basin

Category	Kern	Los Angeles	Riverside	San Bernardino
Surface Area (sq. miles)	2570	1300	3116	18980
Population	123300	305000	28300	402500
VMT	2654205	3935115	1562900	17872337

Table C-4

Mountain Counties Air Basin

Category	Amador	Calaveras	El Dorado	Mariposa	Nevada	Placer	Plumas	Sierra	Tuolumne
Surface Area (sq. miles)	593	1032	1476	1455	1160	958	975	2569	2279
Population	34900	42000	128300	16800	97000	24600	20900	3500	56100
VMT	1002707	1121271	3116007	680642	3021448	746511	897838	268418	1440392

Table C-5

*2000 Surface Area, Population, and Average Daily Vehicle Miles Traveled by Air Basin***North Central Coast Air Basin**

Category	Monterey	San Benito	Santa Cruz
Surface Area (sq. miles)	3320	1400	440
Population	401900	51900	260200
VMT	9915067	1247321	5474791

Table C-6

North Coast Air Basin

Category	Del Norte	Humboldt	Mendocino	Sonoma	Trinity
Surface Area (sq. miles)	1000	3590	3510	980	3190
Population	31200	128400	90400	56000	13500
VMT	650152	3291132	3180830	1560866	438369

Table C-7

Northeast Plateau Air Basin

Category	Lassen	Modoc	Siskiyou
Surface Area (sq. miles)	4560	4100	6260
Population	36000	10500	45200
VMT	1606805	458288	2209115

Table C-8

Sacramento Valley Air Basin

Category	Butte	Colusa	Glenn	Placer	Sacramento	Shasta	Solano	Sutter	Tehama	Yolo	Yuba
Surface Area (sq. miles)	1670	1150	1320	420	970	3793	470	600	2980	1030	640
Population	207200	21000	29300	208100	1212500	175800	124000	82000	56700	164000	64000
VMT	4566493	1509888	1225001	6039951	26951091	5263162	3457015	2174152	2238027	4772140	1701668

Table C-9

Salton Sea Air Basin

Category	Imperial	Riverside
Surface Area (sq. miles)	4240	2134
Population	154500	304800
VMT	4197611	16915776

Table C-10

2000 Surface Area, Population, and Average Daily Vehicle Miles Traveled by Air Basin

San Diego Air Basin

Category	San Diego
Surface Area (sq. miles)	4260
Population	2943000
VMT	71498499

Table C-11

San Francisco Bay Area Air Basin

Category	Alameda	Contra Costa	Marin	Napa	San Francisco	San Mateo	Santa Clara	Solano	Sonoma
Surface Area (sq. miles)	730	730	520	790	45	450	1300	360	620
Population	1470200	931900	248400	127100	792000	747100	1763300	275900	403200
VMT	29208501	19481502	6017001	2598999	8943000	15554999	33414503	7850857	7102411

Table C-12

San Joaquin Valley Air Basin

Category	Fresno	Kern	Kings	Madera	Merced	San Joaquin	Stanislaus	Tulare
Surface Area (sq. miles)	5970	5580	1400	2150	1980	1420	1510	4840
Population	811200	554100	126700	126400	215300	579700	459000	379900
VMT	21598577	17309676	4507245	3362858	8272139	17032594	11702411	10403366

Table C-13

South Central Coast Air Basin

Category	San Luis Obispo	Santa Barbara	Ventura
Surface Area (sq. miles)	3180	3180	1860
Population	254800	412100	753800
VMT	7162437	9571789	18215281

Table C-14

South Coast Air Basin

Category	Los Angeles	Orange	Riverside	San Bernardino
Surface Area (sq. miles)	2770	770	2049	1140
Population	9533900	2833200	1237900	1325000
VMT	179875902	67855304	37266851	35448320

Table C-15