

Year 2020 Municipal Forecasts of Occupied Housing Units, Vehicle Availability and Employed Residents



DIRECTION 2020

A Region on the Rise

DELAWARE VALLEY REGIONAL PLANNING COMMISSION

YEAR 2020 MUNICIPAL FORECASTS OF OCCUPIED HOUSING UNITS, VEHICLE AVAILABILITY AND EMPLOYED RESIDENTS

Direction 2020 Report #15



**DELAWARE VALLEY
REGIONAL PLANNING COMMISSION**

**The Bourse Building - 8th Floor
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Created in 1965, the Delaware Valley Regional Planning Commission (DVRPC) is an interstate, intercounty and intercity agency which provides continuing, comprehensive and coordinated planning for the orderly growth and development of the Delaware Valley region. The region includes Bucks, Chester, Delaware, and Montgomery counties as well as the City of Philadelphia in Pennsylvania and Burlington, Camden, Gloucester, and Mercer counties in New Jersey. The Commission is an advisory agency which divides its planning and service functions between the Office of the Executive Director, the Office of Public Affairs, and three line Divisions: Transportation Planning, Regional Information Services Center, which includes Regional Planning Office, and Finance and Administration. DVRPC's mission for the 1990s is to emphasize technical assistance and services and to conduct high priority studies for member state and local governments, while determining and meeting the needs of the private sector.



The DVRPC logo is adapted from the official seal of the Commission and is designed as a stylized image of the Delaware Valley. The outer ring symbolizes the region as a whole while the diagonal bar signifies the Delaware River flowing through it. The two adjoining crescents represent the Commonwealth of Pennsylvania and the State of New Jersey. The logo combines these elements to depict the areas served by DVRPC.

DELAWARE VALLEY REGIONAL PLANNING COMMISSION

Publication Abstract

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ABSTRACT

This report documents the methods and procedures used to forecast year 2000, 2010 and 2020 municipal level estimates of occupied housing units, vehicle availability, and employed residents based on the DVRPC board adopted municipal level population and employment forecasts. These forecasts are among the basic inputs to the DVRPC regional travel-demand simulation models, which are used to forecast travel patterns and facility volumes.

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TABLE OF CONTENTS

Executive Summary	1
I. Introduction	3
II. Population	5
III. Employment	9
IV. Occupied Housing Units	13
V. Occupied Housing Units by Vehicle Availability and Number of Vehicles	21
VI. Employed Residents	29

APPENDICES

Occupied Housing Units by Municipality	A-1
Vehicle Availability by Municipality	B-1
Employed Resident by Municipality	C-1

LIST OF FIGURES

1.	1990-2020 Percent Change in Population	7
2.	1990-2020 Percent Change in Employment	11
3.	Trends in the Average Size of Occupied Housing Units	15
4.	1990-2020 Percent Change in Occupied Housing Units	19
5.	Trends in Occupied Housing Units by Vehicle Availability	23
6.	1990-2020 Percent Change in Total Vehicles	28
7.	1990-2020 Percent Change in Employed Residents	32

LIST OF TABLES

1.	Adopted Population Forecasts by County	6
2.	Adopted Employment Forecasts by County	10
3.	Trends in Average Size of Occupied Housing Units by County	16
4.	Forecasts of Occupied Housing Units by County	18
5.	Forecasts of Occupied Housing Units by Vehicle Availability	24
6.	Forecasts of Total Vehicles by County	27
7.	Employed Residents per Occupied Housing Unit	29
8.	Forecasts of Employed Residents by County	31

Executive Summary

Demographic and employment forecasts are among the basic inputs for DVRPC's regional travel-demand simulation models. These models are used to estimate regional travel patterns, travel demand on individual facilities, transit ridership, highway vehicle miles of travel, and highway source air pollutant emissions. This report documents the methods and procedures used to forecast year 2000, 2010, and 2020 municipal estimates of occupied housing units, vehicle availability, and employed residents, based on the municipal population and employment forecasts adopted by the DVRPC Board.

In general, the forecasts for municipal occupied housing units, number of vehicles available for use of household members, and employed residents are based on trends established by 1970, 1980, and 1990 census data with the Board adopted municipal population and employment forecasts serving as constraints. These trends indicate that the long-term decline in average number of persons per occupied housing unit, and the long-term increase in vehicle availability and labor participation will moderate and tend to stabilize over time. For this reason, growing areas of the region will show more moderate rates of increase, and the remainder of the region will remain stable.

Preliminary forecasts were prepared by DVRPC staff and subsequently evaluated by the county planning commissions. The estimates were then updated to incorporate comments received. These long-term forecasts will be closely monitored and may be updated in the future.

I. Introduction

Demographic and employment forecasts are among the basic inputs for DVRPC's regional travel-demand simulation models. These models are used to estimate regional travel patterns, travel demand on individual facilities, transit ridership, highway vehicle miles of travel and highway source air pollutant emissions. These are outputs essential for the development of short and long range transportation plans, conformity analyses of the Transportation Improvement Program, facility design studies and many other planning activities.

This report documents the methods and procedures used to forecast occupied housing units, auto availability, and employed residents. These forecasts are based on the municipal population and employment estimates which were adopted by the Board of Directors of the Delaware Valley Regional Planning Commission in May 1993¹. The resulting municipal forecasts are included in Appendices A,B, and C. Because forecasts of these variables are so closely related to the growth of population and employment, the methods used to prepare the DVRPC board adopted municipal level population and employment forecasts are also summarized.

In general, the forecasts for occupied housing units, employed residents and vehicle availability use 1970, 1980 and 1990 census data as historical bases and the board adopted population and employment forecasts as constraints. County and municipal projections of the average number of persons per occupied housing unit and labor participation rates were prepared by averaging the values extrapolated to the forecast year based on the trend lines from 1970 to 1980, 1980 to 1990, and 1970 to 1990 census data. After careful review and adjustment where necessary, these parameters were used to convert the board adopted population estimates into occupied housing units; 0-car, 1-car, 2-car, and 3+car occupied housing units; total vehicles; and employed residents. This process can be characterized as "top down" in that county totals were first established for each variable, and these totals then used to control the sum of the individual municipal estimates.

Preliminary forecasts were prepared by DVRPC staff and subsequently evaluated by county planners from the point of view of local knowledge and plans, and their comments were incorporated into the estimates presented in this document. As the future may not be a direct extension of past trends, these forecasts will be closely monitored and updated as necessary to maintain a comprehensive, coordinated and continuous planning process that provides the most accurate available information for decision making.

¹ Report 8 in DIRECTION 2020 series, *Year 2020 County and Municipal Interim Population and Employment Forecasts*, published by DVRPC in June 1993.

II. Population

The population forecasts for the DVRPC counties were initially developed using cohort-survival analysis. In this method the population in different age and gender groups have different rates of survival into the next time period and migrate into or out of a particular county. In addition, the female population in different child-bearing age groups have different net birth rates.

A county's population was disaggregated into five-year age groups by gender (18 age groups), and the 1990 census counts were used as the initial base-year population. At the end of the first iteration, the estimated 1995 population replaced the 1990 values as the base to forecast population for the year 2000. Two iterations produced population forecasts for the year 2000, four iterations for 2010 and six iterations for 2020. The calculations were then aggregated to get the grand total population for that county.

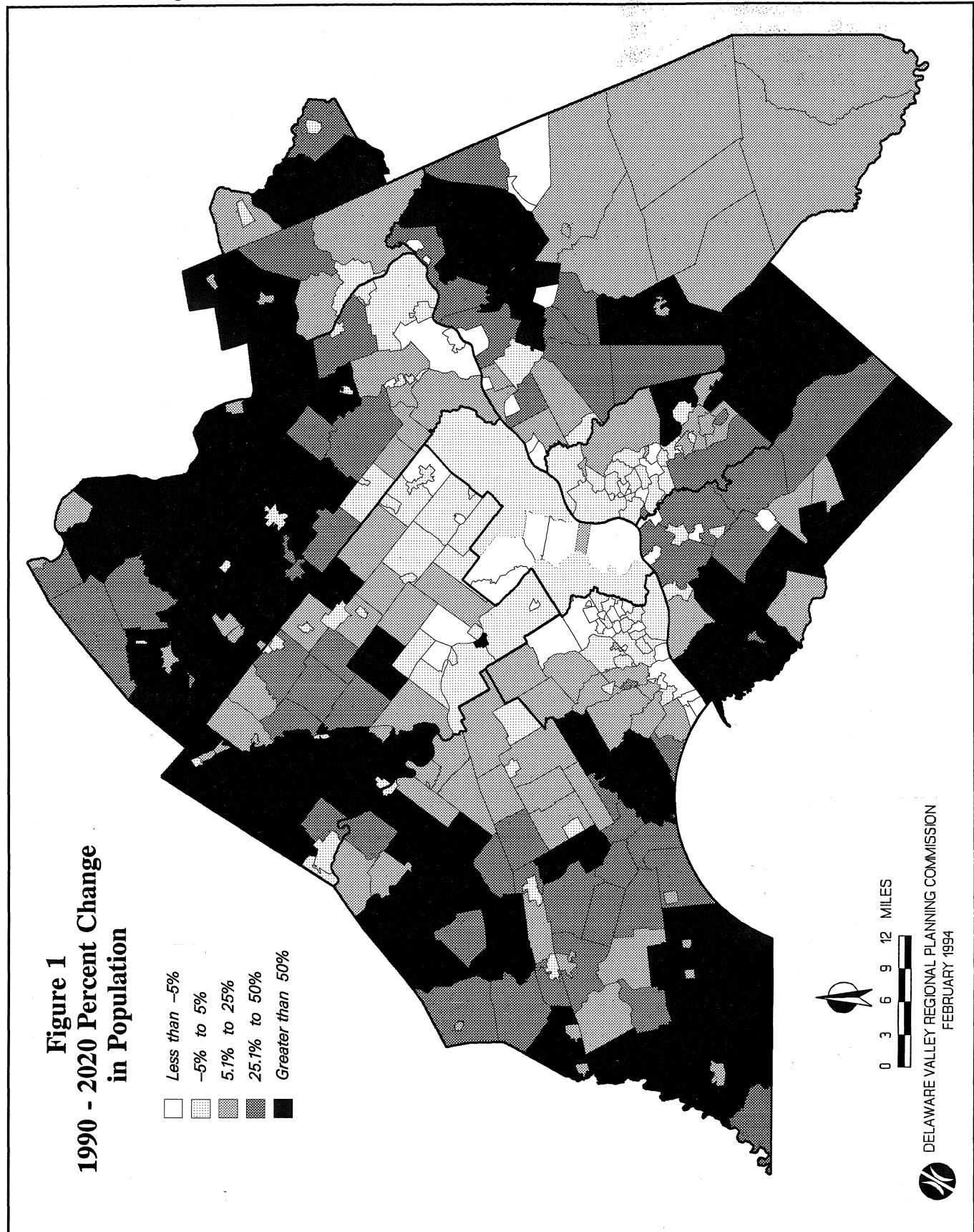
At the municipal level, in- and out- migrations have significantly changed the population components. For this reason, a density ceiling extension model was employed which considered historical trends and physical constraints, such as infrastructure availability, environmental constraints on development, local zoning policy, and current development proposals.

The region's population is forecasted to grow by 11.0 percent over the thirty-year period between 1990 and 2020. Compared with the 12.4 percent growth during the period from 1960 to 1990, this forecasted growth rate reflects the lower birth rate, aging population, a slowdown in the region's economy and in-migration. Table 1 shows the population forecasts by county. The New Jersey population is expected to grow more than three times as fast as Pennsylvania. The City of Philadelphia is still expected to lose about 5 percent of its population because of job relocation and continued suburbanization. Suburban counties (except Delaware) are predicted to gain substantial population because of land availability and the attractiveness of projected industrial, commercial and residential development.

Spatially, as Figure 1 indicates, growth is projected to concentrate in areas that are currently rural or suburban and have very limited public transit service. This kind of spatial growth will create new demands for both highway and transit service in the growing areas.

Table 1: Adopted Population Forecasts by County

County	U.S. Census 1980		Percent Change '80-'90		DVRPC Forecasts			Percent Change '90-2020
	1990	2000	2010	2020				
Bucks	479,180	541,174	12.9	603,853	651,293	680,896	710,400	25.8
Chester	316,660	376,396	18.9	425,800	460,200	489,300	518,400	30.0
Delaware	555,023	547,651	-1.3	550,418	550,204	548,981	548,981	0.2
Montgomery	643,377	678,111	5.4	715,980	744,908	759,070	773,100	11.9
Philadelphia	1,688,210	1,585,577	-6.1	1,562,865	1,530,860	1,509,154	1,488,400	-4.8
PA TOTAL	3,682,450	3,728,909	1.3%	3,858,916	3,937,465	3,987,401	4,037,400	6.9%
Burlington	362,542	395,066	9.0	429,703	455,112	471,039	487,100	19.2
Camden	471,650	502,824	6.6	537,234	567,095	588,962	610,800	17.1
Gloucester	199,917	230,082	15.1	261,974	290,654	314,971	339,800	36.9
Mercer	307,863	325,824	5.8	349,744	370,896	388,452	406,400	19.2
NJ TOTAL	1,341,972	1,453,796	8.3%	1,578,655	1,683,757	1,763,424	1,843,400	21.3%
Regional TOTAL	5,024,422	5,182,705	3.2%	5,437,571	5,621,222	5,750,825	5,881,400	11.0%



III. Employment

Employment is more difficult to forecast, especially at the municipal level, because many factors ranging from world trade, national monetary policy and politics as well as local factors such as labor supply, quality of labor force, land price, infrastructure, local political climate, and the quality of life directly or indirectly affect employment. For the region as a whole, the employment level is subject to national, and even global economic cycles.

In 1992, county employment was forecasted using Bureau of Economic Analysis (BEA) data for the base year (1990). A shift-share analysis was then conducted which examined trends in each county's historical share of the region's employment. Land and infrastructure availability, transportation accessibility, and market trends that have substantial influence on future employment were also incorporated into this analysis. The preliminary results were then reviewed by a panel of economists from the Delaware Valley region against the national and state employment forecasts and the regional labor-supply forecast, so that the employment forecast reflects the expected economic cycles and is subject to the upper limit of labor supply.

In 1993, the 1990 employment data from the Census Transportation Planning Package (CTPP) became available². These data supplemented the BEA county level employment with 1990 municipal employment estimates. The census employment data was adjusted at the county level to conform with BEA totals and reviewed for consistency with previous DVRPC forecasts, occupational privilege tax returns, Dun and Bradstreet estimates, and Bureau of Labor Statistics ES-202 data. Forecasts at the municipal level were then made with shift-share methods using the factored 1990 Census data as the base.

The county employment distributions by major Standard Industrial Classification (SIC) codes were determined based on a review of past trends and patterns both nationally and locally. The forecasted municipal employment was then disaggregated by SIC group using past trends, normalizing the county SIC group totals to the control for that sector.

Table 2 shows the employment growth patterns for the region and by county. The region's employment is forecasted to grow by 20 percent associated with about a 10 percent growth in labor supply over the three decades between 1990 and 2020. The counties with the fastest growing populations, such as Chester and Gloucester, are also forecasted to grow most rapidly in employment. However, the counties with a large employment base still gain the most employment, despite a more moderate growth rate. Figure 2 shows the spatial growth pattern of the municipal employment growth. Employment growth will tend to concentrate in municipalities that currently have middle- to large-size employment bases.

² 1990 Census Transportation Planning Package, Statewide Element, Part C, Tabulations of Area of Residence by Area of Work.

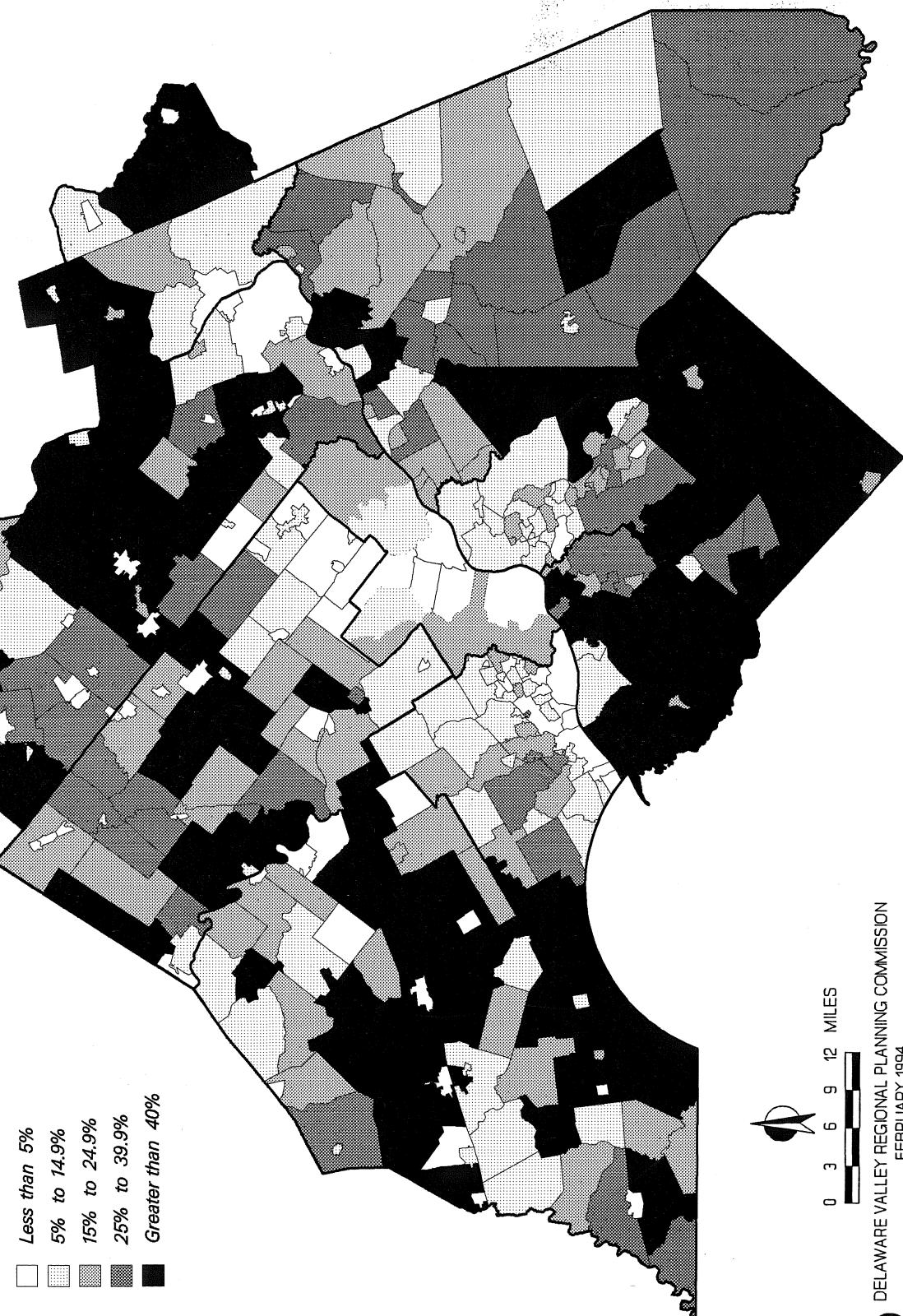
Table 2: Adopted Employment Forecasts by County

County	U.S. Census 1980		Percent Change '80-'90		DVRPC Forecasts 2000		DVRPC Forecasts 2010		DVRPC Forecasts 2020		Percent Change '90-2020
	1990	1990			2000	2010	2020				
Bucks	189,069	245,345	29.8		264,944	285,572	304,248				24.0
Chester	134,362	197,752	47.2		219,050	248,808	274,053				38.6
Delaware	197,818	230,459	16.5		236,864	250,207	259,345				12.5
Montgomery	360,399	457,500	26.9		486,200	526,950	554,550				21.2
Philadelphia	835,812	836,874	0.1		846,963	892,169	931,919				11.4
PA TOTAL	1,717,460	1,967,930	14.6%		2,054,021	2,203,706	2,324,115				18.1%
Burlington	136,086	191,345	40.6		207,529	227,337	244,368				27.7
Camden	186,746	227,933	22.1		241,861	253,866	264,584				16.1
Gloucester	61,732	86,079	39.4		98,965	113,215	122,904				42.8
Mercer	180,116	220,592	22.5		246,163	266,584	277,247				25.7
NJ TOTAL	564,680	725,949	28.6%		794,518	861,002	909,103				25.2%
Regional TOTAL	2,282,140	2,693,879	18.0%		= =====	= =====	= =====				= =====
					2,848,539	3,064,708	3,233,218				20.0%

Prepared by the Delaware Valley Regional Planning Commission

Figure 2
**1990 - 2020 Percent Change
in Employment**

- Less than 5%
- ▨ 5% to 14.9%
- ▨ 15% to 24.9%
- ▨ 25% to 39.9%
- ▨ Greater than 40%



IV. Occupied Housing Units

The 1990 census defines a *housing unit* as a house, an apartment, a mobile home or trailer, a group of rooms or a single room occupied as separated living quarters or, if vacant, intended for occupancy as separate living quarters. If the living quarters contain nine or more persons unrelated to the householder or person in charge (a total of at least 10 unrelated persons), it is classified as *group quarters*. A housing unit is classified as *occupied* if it is the usual place of residence of the person or group of persons living in it at the time of enumeration, or if the occupants are only temporarily absent; that is, away on vacation or business. Occupied rooms or suites of rooms in hotels, motels, and similar places are classified as housing units only when occupied by permanent residents³. This analysis only considers occupied housing units. Group quarters such as nursing homes, prisons, or military bases are not included.

Driven by a number of social factors, the average size of occupied housing units in the past has declined: sharply from 1970 to 1980, and in a more moderate fashion thereafter. In this forecast, the non-linear, moderating pattern of decline in average size of occupied housing units is assumed to continue into the future. Figure 3 shows the historical and projected average size of occupied housing units over time for the entire DVRPC region. Because of the decline in the average size, the number of occupied housing units will continue to increase faster than population.

The model that was used to predict the decline in average number of persons per occupied housing unit is based on non-linear extrapolations of the trends from 1970 to 1980, 1980 to 1990, and 1970 to 1990. The half-rate decline over each of these time periods was extrapolated out to the forecast year and then averaged to estimate the future occupied housing unit size. For example, the following equation was used to predict the year 2010 occupied housing unit size:

$$H_{2010} = \frac{H_{70} + 2.00X_1 + H_{80} + 1.50X_2 + H_{70} + 1.00X_3}{3}$$

Where:

H_{2010} : average size of occupied housing units for year 2010;

H_{70} : average size of occupied housing units for year 1970;

H_{80} : average size of occupied housing units for year 1980;

H_{90} : average size of occupied housing units for year 1990;

$X_1 = H_{80} - H_{70}$, $X_2 = H_{90} - H_{80}$, $X_3 = H_{90} - H_{70}$.

This model was applied at the county level to get the initial estimates of the average

³ The number of 1990 occupied housing units is drawn from Table H37 (Tenure by Vehicle Available) of STF-3, 1990 Census.

number of persons per occupied housing unit. The model often yielded reasonable estimates considering the time period and historical trends. However, the model's outputs were carefully reviewed and where necessary adjusted to reflect the diminishing decline pattern more realistically. A county-level control total of occupied housing units was determined by dividing the board adopted population forecast by the adjusted average size of occupied housing units.

Table 3 displays the resulting county-level trends in persons per occupied housing unit. At both the regional and county level, the rate of decline drops into the future. Between 1990 and 2000, the regional average size drops by 0.06 person per household. Over the decade between 2010 and 2020 this decrease is reduced to 0.03 persons per occupied housing unit. The rate of variation about this trend by county is not large, but fast growing counties including Bucks, Chester, Burlington and Gloucester have somewhat larger declines.

Table 4 shows the regional and county level forecasts of the number of occupied housing units. They were determined by dividing the population by the estimated average size of occupied housing units. The region will grow in occupied housing units by about 17 percent from 1990 to 2020, reaching 2.21 million by the year 2020. During the same period, the New Jersey counties will grow more than twice as fast as the Pennsylvania counties. However, because of its large initial base, Pennsylvania counties will receive more than half (55 percent) of the regional increase. From 1990 to 2020, the majority of new occupied housing units will be located in suburban counties. This spatial growth pattern, shown in Figure 4, is consistent with the population growth trends adopted by the board. For most counties the growth in the number of occupied housing units will be significant, 20 to 46 percent over the thirty-year period between 1990 and 2020. Gloucester County receives the largest increase (46 percent) and Chester County is second with 38 percent. In Delaware County and the City of Philadelphia, however, growth in occupied housing units will be relatively small, reflecting stable to declining population growth trends.

The model was then applied for each municipality to estimate the average size of occupied housing units, which combined with the board adopted population forecast produced an initial estimate of the number of occupied housing units for each municipality. The county summations of these occupied housing unit estimates were then factored to the county totals determined above, and further adjusted where necessary by considering the unique population growth trends in some municipalities. This process was iterated until the average size of occupied units for each municipality conformed with the overall diminishing decline pattern. The resulting estimates of occupied housing units were then reviewed by county planners and their comments were incorporated. The detailed municipal occupied housing unit forecasts are given in appendix A.

It should be noted that if the population in group quarters is subtracted from the total population, the average size of occupied housing units will be smaller than those shown in Figure 3 and Table 3. However, if at the municipal level, we assume that the population in group quarters will grow at the same rate as the total population in the future, and the future average sizes of occupied housing units, excluding those living in group quarters, are reduced by the same 1990 ratio (average size excluding group quarter population divided by average size

Figure 3: Trends in the Average Size Occupied Housing Units

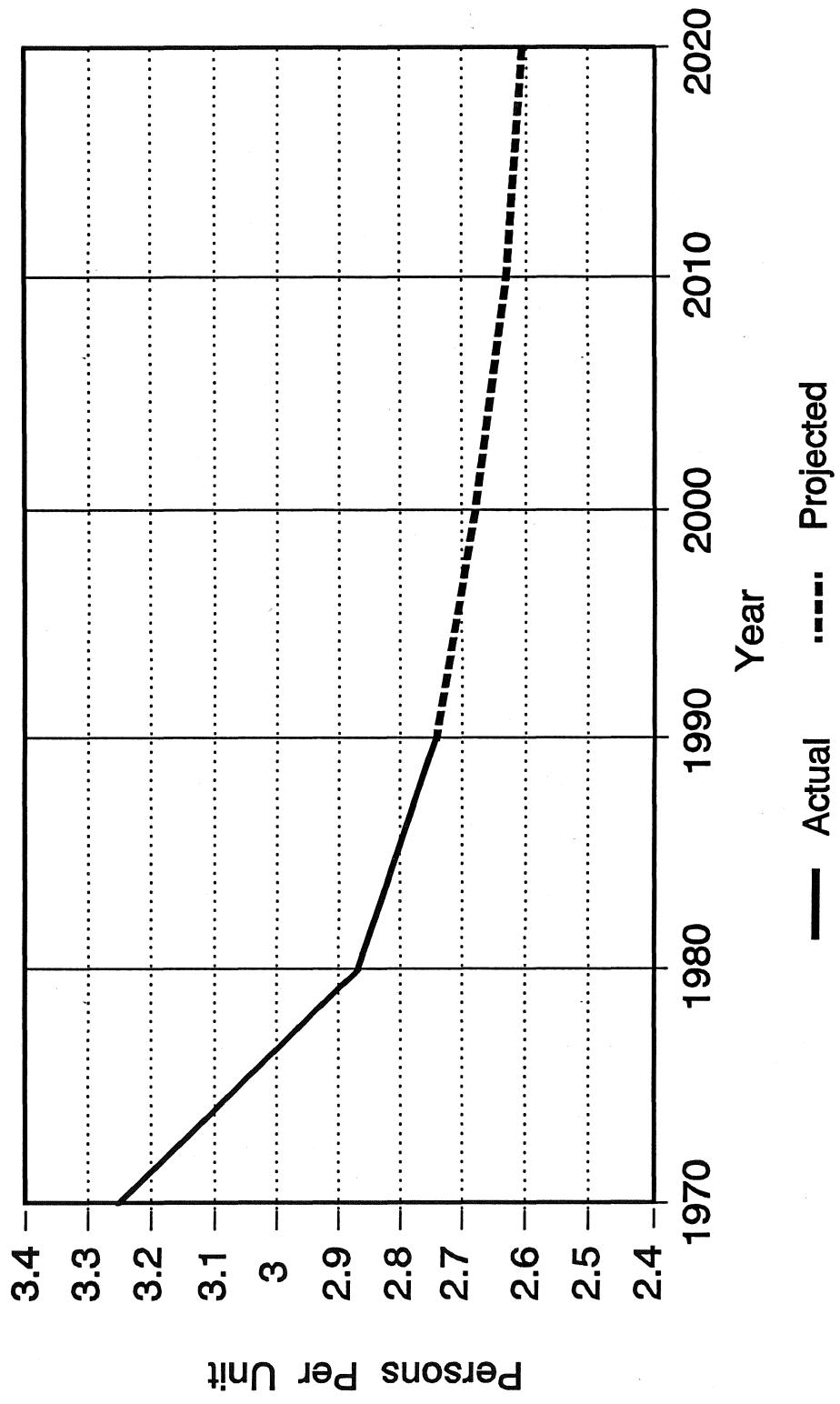


Table 3: Trends in Average Size of Occupied Housing Units by County

	U.S. Census			'70-'80			'80-'90			'70-'90			DVRPC Forecasts			1990-2000			2000-2010			2010-2020			1990-2020		
	1970	1980	1990	Change	1970	1990	Change	2000	2010	2020	Change	2000	2010	2020	Change	2000	2010	2020	Change	2000	2010	2020	Change	2000	2010	2020	
Bucks	3.54	3.07	2.84	-0.47	-0.23	-0.70	-0.70	2.74	2.68	2.65	-0.10	-0.06	-0.06	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.19	
Chester	3.54	3.03	2.82	-0.51	-0.21	-0.72	-0.72	2.74	2.69	2.66	-0.08	-0.05	-0.05	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.16	
Delaware	3.33	2.89	2.72	-0.44	-0.17	-0.61	-0.61	2.66	2.62	2.59	-0.06	-0.04	-0.04	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.13	
Montgomery	3.31	2.88	2.66	-0.43	-0.22	-0.65	-0.65	2.60	2.56	2.53	-0.06	-0.04	-0.04	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.13	
Philadelphia	3.04	2.72	2.63	-0.32	-0.09	-0.41	-0.41	2.59	2.54	2.50	-0.04	-0.05	-0.05	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.13	
PA Counties	3.20	2.84	2.70	-0.36	-0.14	-0.50	-0.50	2.64	2.59	2.56	-0.06	-0.06	-0.06	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.14
Burlington	3.81	3.15	2.89	-0.66	-0.26	-0.92	-0.92	2.79	2.73	2.70	-0.10	-0.06	-0.06	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.19
Camden	3.30	2.90	2.81	-0.40	-0.09	-0.49	-0.49	2.75	2.71	2.68	-0.06	-0.04	-0.04	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.13	
Gloucester	3.47	3.06	2.92	-0.41	-0.14	-0.55	-0.55	2.83	2.77	2.74	-0.09	-0.06	-0.06	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.18	
Mercer	3.25	2.91	2.79	-0.34	-0.12	-0.46	-0.46	2.73	2.69	2.66	-0.06	-0.04	-0.04	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.13	
NJ Counties	3.42	3.01	2.84	-0.41	-0.17	-0.58	-0.58	2.77	2.72	2.69	-0.07	-0.05	-0.05	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.15	
Region	3.25	2.87	2.74	-0.38	-0.13	-0.51	-0.51	2.68	2.63	2.60	-0.06	-0.05	-0.05	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.14	

Prepared by the Delaware Valley Regional Planning Commission

for total population), the resulting county and municipal forecasts of occupied housing units shown in Table 4 and Appendix A, will not be changed at all. This will always be true as long as the above assumptions are valid.

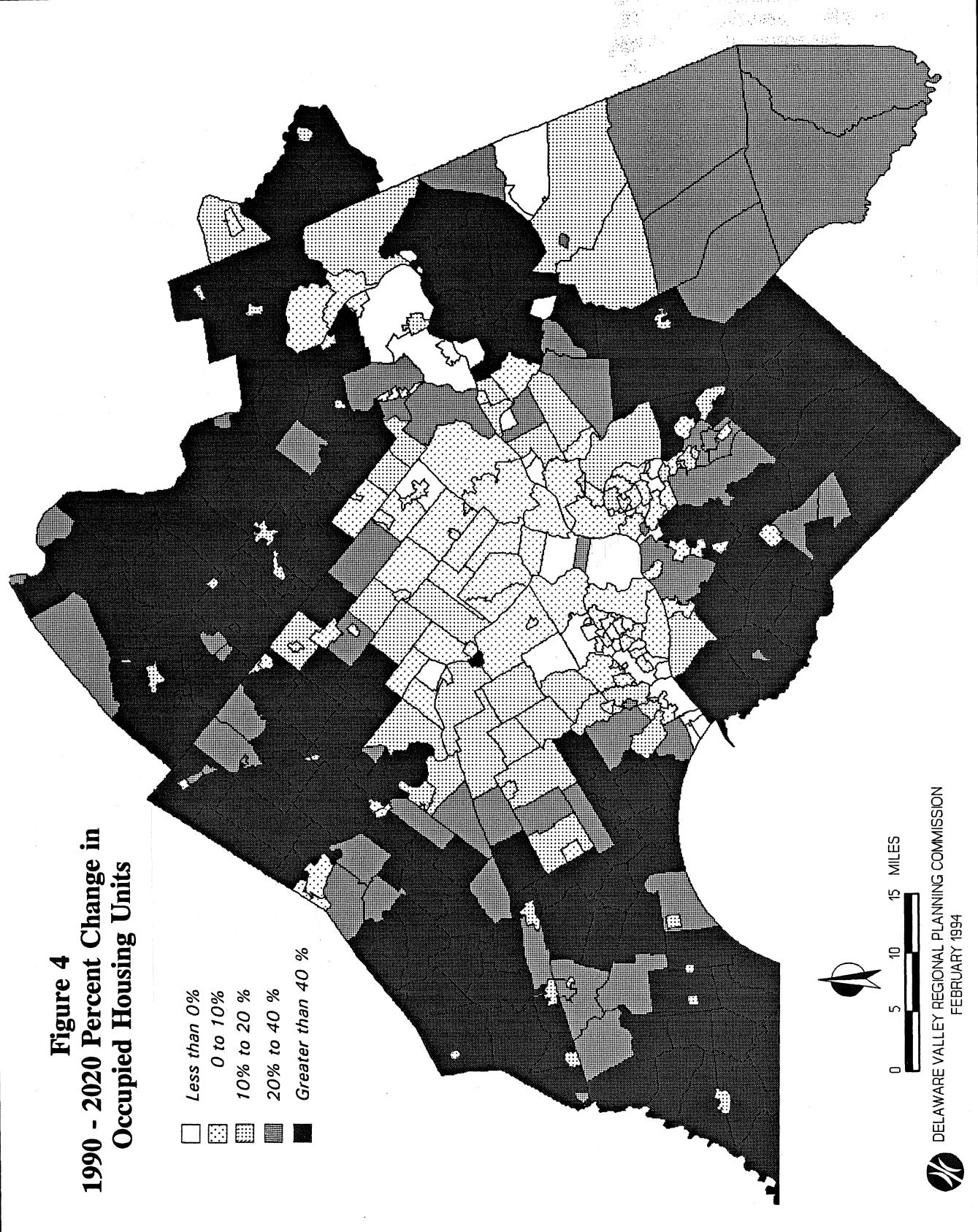
For example, in Chester County the 1990 total population was 376,395, of which 13,003 persons lived in group quarters. If the group quarters population is subtracted from the total population, the average size of occupied housing units decreases from 2.82 to 2.73 persons. The 2020 total population forecast for Chester County is 489,300, which is reduced to 472,965 when persons living in group quarters are excluded. The county totals are obtained by summing the municipal estimates. (Since some municipalities have no group quarters population and municipalities grow at varying rates, simply applying the factoring procedure at the county level would incorrectly estimate population in group quarters.) When the above procedure is used to estimate municipal occupied housing units, it is found that the numbers do not differ from those listed in Appendix A (some minor discrepancies may occur because of rounding). However, the county average size of occupied housing units will be changed to 2.57 persons from 2.66 persons, because the group quarters population is now excluded. As long as the inclusion or exclusion of population in group quarters is consistent throughout the computation, it will not alter the forecasts of occupied housing units, given the foregoing reasonable assumptions.

Table 4: Forecasts of Occupied Housing Units by County

County	U.S. Census		'80-'90 Change	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
Bucks	156,386	190,507	21.8	220,329	242,954	256,873	34.8
Chester	104,863	133,257	27.1	155,139	170,786	183,633	37.8
Delaware	191,902	201,374	4.9	206,954	210,031	211,994	5.3
Montgomery	223,692	254,995	14.0	275,447	291,059	300,112	17.7
Philadelphia	620,611	603,075	-2.8	603,622	604,039	604,072	0.2
PA TOTAL	1,297,454	1,383,208	6.6%	1,461,491	1,518,869	1,556,684	12.5%
Burlington	114,969	136,554	18.8	153,845	166,517	174,256	27.6
Camden	162,720	178,758	9.9	195,153	209,035	219,528	22.8
Gloucester	65,264	78,845	20.8	92,631	105,000	115,030	45.9
Mercer	105,835	116,941	10.5	128,288	138,072	146,241	25.1
NJ TOTAL	448,788	511,098	13.9%	569,917	618,624	655,055	28.2%
Regional TOTAL	1,746,242	1,894,306	8.5%	= = = = =			
				2,031,408	2,137,493	2,211,739	16.8%

Figure 4
**1990 - 2020 Percent Change in
Occupied Housing Units**

- Less than 0%
- 0 to 10%
- 10% to 20%
- 20% to 40%
- Greater than 40%



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DELAWARE VALLEY REGIONAL PLANNING COMMISSION
FEBRUARY 1994

V. Occupied Housing Units by Vehicle Availability and Number of Vehicles

The 1990 data on vehicle availability were obtained from the Census long-form questionnaire item H13. These data show the number of households with a specified number of passenger cars, vans and pickup or panel trucks of one-ton capacity or less available for the use of household members. Vehicles rented or leased for one month or more, company vehicles, and government vehicles are included if kept at home for nonbusiness purposes.⁴

In the last two decades vehicle availability has substantially increased. The number of occupied housing units with two or more vehicles has grown at double-digit rates with accompanying declines in the number of no- and one-vehicle occupied housing units. This increase was caused in part by rising household labor participation rates and continued decentralization of population and employment into auto dependent areas. In this forecast, it is assumed that this trend will continue at a moderating rate, in association with the growth of population, number of occupied housing units and employment described above. The growth trend for each category of vehicle availability is plotted in Figure 5. Generally, the rate of increase in the number of two- and three-plus vehicle occupied housing units will taper off with continued reduction in the average size of occupied housing units described above and the reduction in the rate of increase in labor participation discussed in the next section. The number of occupied housing units with no or one vehicle will continue to decline into the future, but at a decreasing rate (see Table 5).

At the county level, the year 2020 occupied housing unit control totals by vehicle availability category (four categories) were developed based on the above assumptions using models similar to those employed to estimate the average size of occupied housing units (see Page 13). These controls were adjusted to be reasonable according to the historical trend between 1970 and 1990.

Overall (see Table 5), the number of no-vehicle occupied housing units is projected to drop by 4.4 percent, while one-vehicle units are projected to drop even faster (9.3 percent) by the year 2020. Over the same time interval, the housing units with two vehicles and three or more vehicles are projected to increase by 30.9 and 80.3 percent, respectively. The rate of growth in multiple vehicle occupied housing units is significantly higher in the New Jersey portion of the region than that of Pennsylvania.

In percent terms, the decline in the housing units with no or one vehicle does not vary greatly by county. The growth in the number of two- or three- or more-vehicle units is concentrated in the rapidly growing suburban counties. Here the growth in the two-vehicle units ranges from 23.1 to 61.4 percent and in the three- or more-vehicle units from 66.4 to 121.6

⁴ For the source of the 1990 census data, see Footnote 3. The comparable data on vehicles available were also collected from 1960 to 1980. These statistics do not measure the number of vehicles privately owned or the number of households owning vehicles.

percent.

At the municipal level, previously developed 2020 forecasts of occupied housing units by vehicle availability were factored to adjust each municipality's total of occupied housing units to the forecasts discussed in Section IV of this report. Then for each category of vehicle availability, the municipal forecasts were factored to the county control totals for that category in such a way that the vehicle availability categories for each municipality summed to the housing unit total for that municipality. The updated municipal estimates were reviewed. In some cases, this process was iterated in order to adjust the estimates to be consistent with historic trends, forecasted population growth, and other local factors. The Census based 1990 distribution of occupied housing units by vehicle availability was a significant factor in the final adjustment.

Years 2000 and 2010 forecasts of occupied housing units by vehicle availability were interpolated from the 1990 and 2020 estimates using the rates of decline in no-vehicle and one-vehicle and increase in two-vehicle and three- or more-vehicle occupied housing units shown in Figure 5. For example, this non-linear growth pattern for two-vehicle units with declining growth rates is computed as follows:

For the occupied housing units with two vehicles available:

$$\begin{aligned} H_2^{2000} &= H_2^{1990} + 0.42 (H_2^{2020} - H_2^{1990}) \\ H_2^{2010} &= H_2^{1990} + 0.75 (H_2^{2020} - H_2^{1990}) \end{aligned}$$

Where H denotes the number of occupied housing units, and for all the terms the superscripts and subscripts represent the year and class of vehicle availability, respectively.

Similarly, the same parameters (0.42, 0.75) in the above equations were applied to estimate no-vehicle, one-vehicle, and three- or more-vehicle occupied housing units. The results were then factored to sum to the predetermined total occupied housing units for each municipality.

Figure 5: Trends in Occupied Housing Units by Vehicle Availability

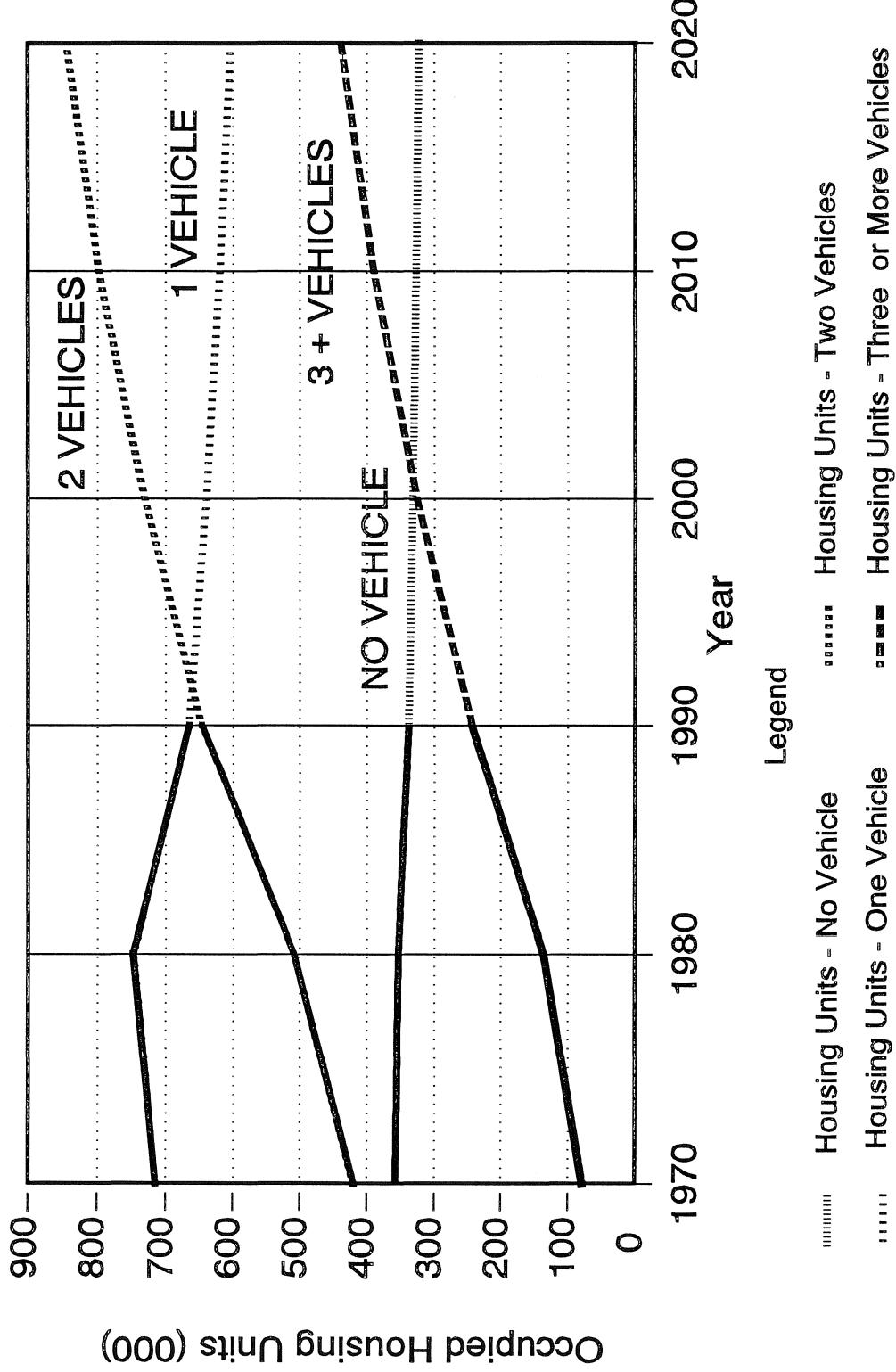


Table 5: Forecasts of Occupied Housing Units by Vehicle Availability

County	U.S. Census		Percent Change 1980-1990	DVRPC Forecasts			Percent Change 1990-2020
	1980	1990		2000	2010	2020	
<u>Occupied Housing Units with No Vehicle</u>							
Bucks	9,587	10,035	4.7	9,942	9,815	9,592	-4.4
Chester	7,860	7,653	-2.6	7,489	7,293	7,176	-6.2
Delaware	26,334	24,591	-6.6	23,950	23,286	22,741	-7.5
Montgomery	19,043	17,878	-6.1	17,330	16,860	16,350	-8.5
Philadelphia	239,248	229,814	-3.9	226,557	224,012	221,952	-3.4
PA Total	302,072	289,971	-4.0%	285,268	281,266	277,811	-4.2%
Burlington	7,259	6,715	-7.5	6,547	6,365	6,158	-8.3
Camden	24,388	23,758	-2.6	23,239	22,954	22,734	-4.3
Gloucester	5,478	5,359	-2.2	5,127	5,036	4,990	-6.9
Mercer	16,480	14,735	-10.6	14,302	14,073	13,966	-5.2
NJ Total	53,605	50,567	-5.7%	49,215	48,428	47,848	-5.4%
Regional Total	355,677	340,538	-4.3%	334,483	329,694	325,659	-4.4%
<u>Occupied Housing Units with One Vehicle</u>							
Bucks	61,798	54,375	-12.0	51,904	49,682	47,390	-12.8
Chester	42,954	36,638	-14.7	34,515	32,504	31,186	-14.9
Delaware	86,068	74,534	-13.4	70,473	66,811	63,944	-14.2
Montgomery	90,377	83,154	-8.0	80,265	77,803	75,230	-9.5
Philadelphia	272,119	244,325	-10.2	237,506	231,839	227,955	-6.7
PA Total	553,316	493,026	-10.9%	474,663	458,639	445,705	-9.6%
Burlington	48,508	43,582	-10.2	41,986	40,429	38,835	-10.9
Camden	71,717	63,692	-11.2	61,197	59,554	58,294	-8.5
Gloucester	28,817	24,339	-15.5	23,044	22,438	22,091	-9.2
Mercer	44,259	40,318	-8.9	39,060	38,360	38,022	-5.7
NJ Total	193,301	171,931	-11.1%	165,287	160,781	157,242	-8.5%
Regional Total	746,617	664,957	-10.9%	639,950	619,420	602,947	-9.3%

Table 5: Forecasts of Occupied Housing Units by Vehicle Availability
(Continued)

<i>County</i>	<i>U.S. Census</i>		<i>Percent Change 1980-1990</i>	<i>DVRPC Forecasts</i>			<i>Percent Change 1990-2020</i>
	<i>1980</i>	<i>1990</i>		<i>2000</i>	<i>2010</i>	<i>2020</i>	
<u>Occupied Housing Units with Two Vehicles</u>							
Bucks	64,504	87,166	35.1	104,295	117,414	125,772	44.3
Chester	42,063	61,902	47.2	73,409	81,719	88,501	43.0
Delaware	62,369	75,034	20.3	79,894	83,242	85,612	14.1
Montgomery	87,595	110,184	25.8	121,552	130,292	135,665	23.1
Philadelphia	93,650	106,007	13.2	112,100	116,993	120,463	13.6
PA Total	350,181	440,293	25.7%	491,250	529,660	556,013	26.3%
Burlington	45,866	60,299	31.5	69,161	75,733	79,862	32.4
Camden	52,953	66,152	24.9	76,276	84,618	90,929	37.5
Gloucester	24,371	34,801	42.8	43,114	50,353	56,161	61.4
Mercer	34,906	44,653	27.9	51,865	57,863	62,737	40.5
NJ Total	158,096	205,905	30.2%	240,416	268,567	289,689	40.7%
Regional Total	508,277	646,198	27.1%	731,666	798,227	845,702	30.9%
<u>Occupied Housing Units with Three or More Vehicles</u>							
Bucks	20,497	38,931	89.9	54,188	66,043	74,119	90.4
Chester	11,992	27,064	125.7	39,726	49,270	56,770	109.8
Delaware	17,131	27,215	58.9	32,637	36,692	39,697	45.9
Montgomery	26,695	43,779	64.0	56,300	66,104	72,867	66.4
Philadelphia	15,636	22,929	46.6	27,459	31,195	33,702	47.0
PA Total	91,951	159,918	73.9%	210,310	249,304	277,155	73.3%
Burlington	13,336	25,958	94.6	36,151	43,990	49,401	90.3
Camden	13,674	25,156	84.0	34,441	41,909	47,571	89.1
Gloucester	6,598	14,346	117.4	21,346	27,173	31,788	121.6
Mercer	10,190	17,235	69.1	23,061	27,776	31,516	82.9
NJ Total	43,798	82,695	88.8%	114,999	140,848	160,276	93.8%
Regional Total	135,749	242,613	78.7%	325,309	390,152	437,431	80.3%

With the occupied housing units by vehicle availability class determined, the number of vehicles for each municipality is calculated as follows:

$$V = H_{v1} + 2 H_{v2} + 3.358 H_{v3+}$$

Where:

V: number of Vehicles;

H_{v1} : occupied housing units with one vehicle;

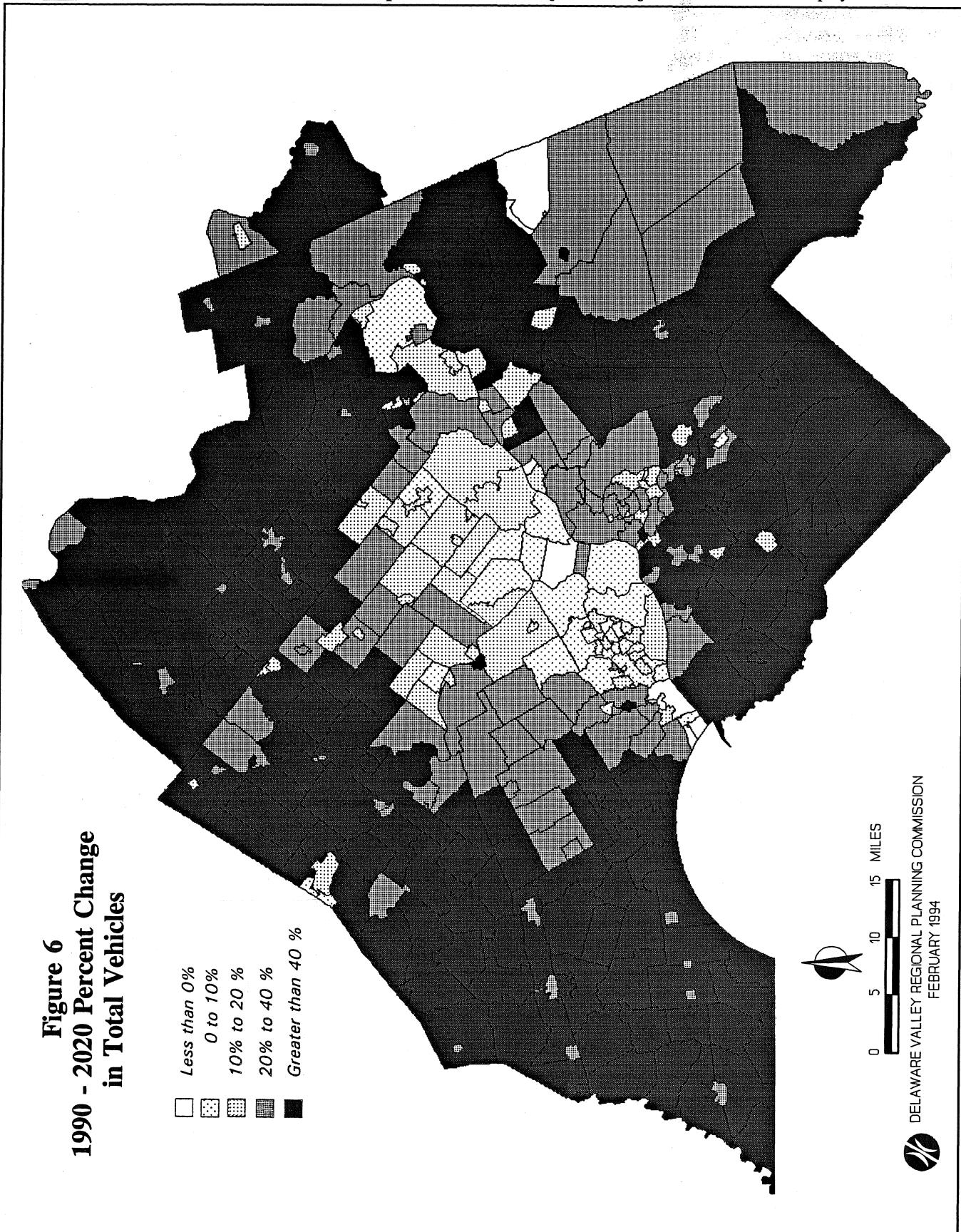
H_{v2} : occupied housing units with two vehicles;

H_{v3+} : occupied housing units with three or more vehicles.

The average number of vehicles for three- or more-vehicle occupied housing units in this equation (3.358) is estimated based on census data. The projected number of vehicles is summarized by county in Table 6 and shown spatially in Figure 6. These forecasts indicate large continued growth in the number of vehicles, with all counties except Delaware and Philadelphia increasing by more than 30 percent by the year 2020. As mentioned above, this growth is consistent with population growth. The counties growing most rapidly in population (Gloucester and Chester) also grow fastest in the number of autos, 70 and 59 percent respectively. For the region as a whole, almost 36 percent more vehicles will be on the road in the year 2020. This is a net increase of almost one million vehicles.

Table 6: Forecasts of Total Vehicles by County

County	U.S. Census		'80-'90 Percent Change	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
Bucks	256,401	359,451	40.2	442,479	506,308	547,854	52.4
Chester	165,455	251,320	51.9	314,750	361,413	398,842	58.7
Delaware	265,623	315,970	19.0	339,868	356,518	368,488	16.6
Montgomery	350,987	450,510	28.4	512,448	560,394	591,279	31.2
Philadelphia	509,451	533,211	4.7	553,926	570,591	582,066	9.2
PA Total	1,547,917	1,910,462	23.4%	2,163,471	2,355,224	2,488,529	30.3%
Burlington	182,915	251,344	37.4	301,718	339,631	364,465	45.0
Camden	221,380	280,459	26.7	329,417	369,538	399,916	42.6
Gloucester	98,673	142,129	44.0	180,961	214,402	241,171	69.7
Mercer	146,679	187,505	27.8	220,238	247,368	269,339	43.6
NJ Total	649,647	861,437	32.6%	1,032,334	1,170,939	1,274,891	48.0%
Regional Total	2,197,564	2,771,899	26.1%	= = = = =			
				3,195,805	3,526,163	3,763,420	35.8%



VI. Employed Residents

The Census defines employed residents as adults who had at least one job in the Census reference week, regardless of whether or not he/she went to work in that week. This includes people who served in the armed forces by local place of residence⁵. Because of the rising cost of living and expectations of an improved living standard, the rate of employed residents per occupied housing unit is expected to increase as households strive to maintain and enhance their purchasing power. However, this process is mitigated by the decline in average size of occupied housing units, the increase in the percentage of the population in retirement age, stabilization in the labor participation rate among women, and increasing national productivity. In this forecast, the employed residents per occupied housing unit is assumed to be stable with only a slight increase in the thirty-year period. This also in part reflects the relatively low unemployment rate that existed in 1990. Both 1980 and 1970 were recession years with high unemployment rates.

Table 7: Employed Residents per Occupied Housing Unit

<i>County</i>	<i>U.S. Census</i>			<i>DVRPC Forecasts</i>		
	<i>1970</i>	<i>1980</i>	<i>1990</i>	<i>2000</i>	<i>2010</i>	<i>2020</i>
Bucks	1.41	1.44	1.50	1.51	1.52	1.53
Chester	1.40	1.41	1.49	1.50	1.51	1.52
Delaware	1.33	1.29	1.32	1.32	1.33	1.33
Montgomery	1.37	1.39	1.41	1.42	1.43	1.44
Philadelphia	1.20	1.01	1.09	1.09	1.09	1.10
PA Counties	1.28	1.20	1.28	1.29	1.31	1.32
Burlington	1.27	1.47	1.53	1.53	1.54	1.54
Camden	1.28	1.22	1.34	1.34	1.34	1.35
Gloucester	1.29	1.30	1.43	1.44	1.45	1.46
Mercer	1.37	1.35	1.43	1.43	1.44	1.44
NJ Counties	1.30	1.33	1.43	1.43	1.44	1.44
Region	1.29	1.23	1.32	1.33	1.34	1.35

Prepared by the Delaware Valley Regional Planning Commission

⁵ For 1990 Census, this number is drawn from Table P70 (Sex by Employment Status) of STF-3. The number is slightly higher than that drawn from Table 49 (Means of Transportation to Work) of STF-3, which excludes the people who had a job, but did not go to work for whatever reason in the reference week.

At the county level, models similar to those used to forecast occupied housing units were used to extrapolate the employed residents per occupied housing unit to the years 2000, 2010 and 2020. The model outputs required few adjustments for most counties. The county-level rates of employed residents per occupied housing unit (see Table 7) were then used to calculate each county's total number of employed residents, multiplying this labor participation rate by the number of occupied housing units estimated in the previous section. This calculation provided a control total for the municipal level allocations of employed residents (see Table 8).

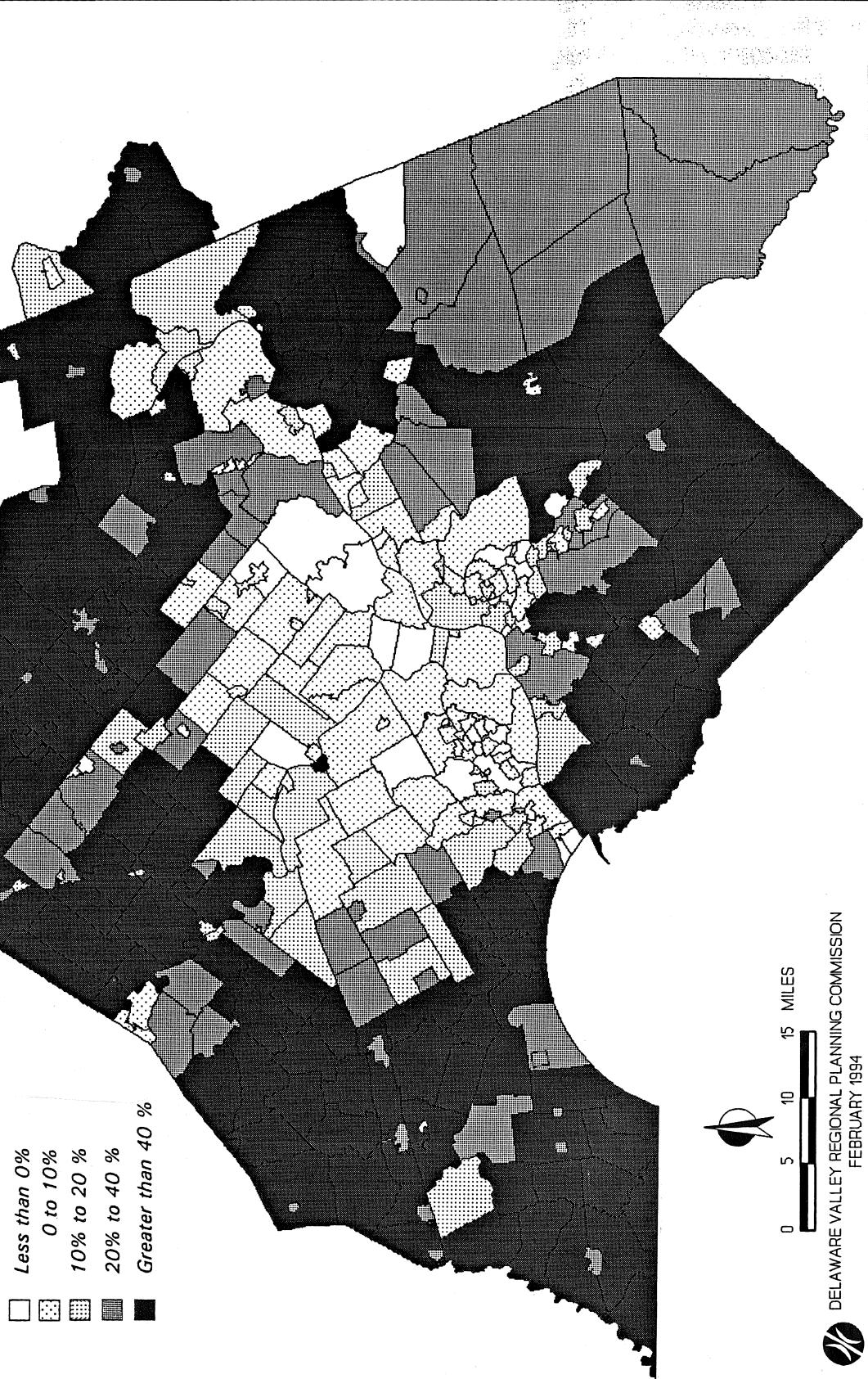
At the municipal level, three steps were involved. First, the rates of municipal employed residents per occupied housing unit were extrapolated using models similar to those used to estimate average size of occupied housing units. Second, municipal employed residents were calculated given the number of occupied housing units and the rate of employed residents per occupied housing unit. Third, each of these municipal projections was factored to adjust the county summations to the totals given in Table 8. The resulting spatial growth pattern is consistent with that of population in that growth will tend to concentrate in newly developed areas (see Figure 7).

For the region as a whole, the number of employed residents is expected to grow by about 20 percent from 1990 to 2020, a net increase of about half a million. It is expected that a one-percent growth of population will be associated with about a 1.8 percent growth in employed residents. This reflects the reduction in the average size of occupied housing units, long-term job growth and economic prosperity. Also, the number of employed residents will grow at a rate almost identical to the adopted employment forecasts, 19.8 versus 20.0 percent by the year 2020. This is because the region is a comparatively closed system where almost all residents both live and work. Also the number of people who live inside and work outside the region is approximately equal to the number of people who live outside and work inside. Of the net increase, 57 percent will be located in Pennsylvania, and 43 percent in New Jersey. The eight suburban counties will receive 99 percent of the net increase in employed residents.

Table 8: Forecasts of Employed Residents by County

County	U.S. Census			Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990	2000		2010	2020		
Bucks	225,044	284,984	332,703	26.6	369,296	393,022		37.9
Chester	148,308	198,869	232,720	34.1	257,893	279,130		40.4
Delaware	247,416	266,760	272,987	7.8	279,162	281,772		5.6
Montgomery	311,073	359,659	391,133	15.6	416,211	432,158		20.2
Philadelphia	629,270	657,387	660,132	4.5	657,038	661,906		0.7
PA Total	1,561,111	1,767,659	1,886,581	13.2%	1,982,694	2,047,988		15.9%
Burlington	169,389	209,378	235,529	23.6	256,597	268,526		28.2
Camden	198,095	239,526	262,110	20.9	282,862	297,066		24.0
Gloucester	85,051	112,964	133,389	32.8	152,252	167,945		48.7
Mercer	142,955	166,688	183,014	16.6	198,356	210,091		26.0
NJ Total	595,490	728,556	814,042	22.3%	890,067	943,628		29.5%
Regional Total	2,156,601	2,496,215	2,700,623	15.7%	2,872,761	2,991,616		19.8%

Figure 7
1990 - 2020 Percent Change
in Employed Residents



APPENDIX A (A-1 TO A-25)
OCCUPIED HOUSING UNITS
BY MUNICIPALITY

Bucks County Occupied Housing Units by Municipality

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
5 BEDMINSTER TOWNSHIP	1,178	1,660	40.9%	1,960	2,261	2,607	57.0%
10 BENSEALEM TOWNSHIP	18,932	20,964	10.7	23,265	24,992	25,152	20.0
15 BRIDGETON TOWNSHIP	450	524	16.4	569	606	664	26.7
20 BRISTOL BOROUGH	4,048	3,952	-2.4	3,927	3,933	3,848	-2.6
25 BRISTOL TOWNSHIP	18,130	19,314	6.5	19,791	19,537	19,116	-1.0
30 BUCKINGHAM TOWNSHIP	2,741	3,113	13.6	3,625	4,043	5,343	71.6
35 CHALFONT BOROUGH	919	1,066	16.0	1,226	1,416	1,492	40.0
40 DOYLESTOWN BOROUGH	3,551	3,884	9.4	4,185	4,220	4,284	10.3
45 DOYLESTOWN TOWNSHIP	3,382	4,550	34.5	6,298	8,722	8,985	97.5
50 DUBLIN BOROUGH	673	803	19.3	868	935	916	14.1
55 DURHAM TOWNSHIP	318	430	35.2	519	591	654	52.1
60 EAST ROCKHILL TOWNSHIP	1,005	1,286	28.0	1,556	1,795	2,049	59.3
65 FALLS TOWNSHIP	11,944	12,501	4.7	12,566	12,410	12,183	-2.5
70 HAYCOCK TOWNSHIP	563	742	31.8	870	987	1,069	44.1
75 HILLTOWN TOWNSHIP	2,915	3,568	22.4	4,201	4,948	6,029	69.0
80 HULMEVILLE BOROUGH	337	319	-5.3	322	318	315	-1.3
85 IYLAND BOROUGH	184	191	3.8	195	196	195	2.1
90 LANGHORNE BOROUGH	541	530	-2.0	504	481	454	-14.3
95 LANGHORNE MANOR BOROUGH	353	288	-18.4	292	287	285	-1.0
100 LOWER MAKEFIELD TOWNSHIP	5,216	8,565	64.2	10,324	11,695	12,480	45.7

Bucks County Occupied Housing Units by Municipality

(Continued)

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
105 LOWER SOUTHAMPTON TOWNSHIP	6,060	7,061	16.5	7,839	8,168	8,219	16.4
110 MIDDLETOWN TOWNSHIP	10,950	14,507	32.5	16,633	18,547	19,571	34.9
115 MILFORD TOWNSHIP	1,958	2,425	23.9	3,014	3,665	4,430	82.7
120 MORRISVILLE BOROUGH	3,678	3,987	8.4	4,161	4,234	4,134	3.7
125 NEW BRITAIN BOROUGH	709	830	17.1	962	973	981	18.2
130 NEW BRITAIN TOWNSHIP	2,295	3,152	37.3	4,237	5,781	7,470	137.0
135 NEW HOPE BOROUGH	812	810	-0.2	869	946	1,031	27.3
140 NEWTOWN BOROUGH	955	1,066	11.6	1,135	1,152	1,131	6.1
145 NEWTOWN TOWNSHIP	1,467	5,037	243.4	7,446	9,627	9,985	98.2
150 NOCKAMIXON TOWNSHIP	953	1,187	24.6	1,435	1,719	1,999	68.4
155 NORTHAMPTON TOWNSHIP	7,203	11,105	54.2	15,308	17,375	18,088	62.9
160 PENNDEL BOROUGH	950	922	-2.9	960	952	942	2.2
165 PERKASIE BOROUGH	1,924	2,940	52.8	3,345	3,567	3,910	33.0
170 PLUMSTEAD TOWNSHIP	1,804	2,161	19.8	2,628	3,099	3,463	60.2
175 QUAKERTOWN BOROUGH	3,448	3,485	1.1	3,761	3,895	3,953	13.4
182 RICHLAND TOWNSHIP	2,306	3,219	39.6	4,129	5,316	6,328	96.6
185 RICHLANDTOWN BOROUGH	354	368	4.0	385	398	401	9.0
190 RIEGELSVILLE BOROUGH	373	377	1.1	417	438	455	20.7
195 SELLERSVILLE BOROUGH	1,081	1,662	53.7	2,040	2,042	2,091	25.8

Bucks County Occupied Housing Units by Municipality

(Continued)

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts				Percent Change '90-2020
	1980	1990		2000	2010	2020		
200 SILVERDALE BOROUGH	170	293	72.4	371	422	484		65.2
205 SOLEBURY TOWNSHIP	1,779	2,304	29.5	2,972	3,378	3,771		63.7
210 SPRINGFIELD TOWNSHIP	1,578	1,856	17.6	2,091	2,276	2,590		39.5
215 TELFORD BOROUGH	431	728	68.9	977	1,121	1,246		71.2
220 TINCUM TOWNSHIP	1,184	1,521	28.5	1,960	2,379	2,726		79.2
225 TRUMBERSVILLE BOROUGH	248	288	16.1	322	372	406		41.0
230 TULLYTOWN BOROUGH	752	899	19.5	926	942	992		10.3
235 UPPER MAKEFIELD TOWNSHIP	1,422	1,932	35.9	2,644	3,273	3,926		103.2
240 UPPER SOUTHAMPTON TOWNSHIP	4,925	5,778	17.3	6,347	6,613	6,773		17.2
245 WARMINSTER TOWNSHIP	10,144	10,846	6.9	11,433	11,317	11,185		3.1
250 WARRINGTON TOWNSHIP	3,355	4,204	25.3	5,560	6,563	7,202		71.3
255 WARWICK TOWNSHIP	758	1,872	147.0	2,902	3,534	4,012		114.3
260 WEST ROCKHILL TOWNSHIP	1,172	1,593	35.9	1,949	2,298	2,642		65.9
265 WRIGHTSTOWN TOWNSHIP	739	828	12.0	1,038	1,101	1,119		35.1
270 YARDLEY BOROUGH	1,069	1,014	-5.1	1,070	1,098	1,097		8.2
TOTAL	156,386	190,507	21.8%	= = = = =	34.8%			
				220,329	242,954	256,873		

Chester County Occupied Housing Units by Municipality

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
5 ATGLEN BOROUGH	264	278	5.3%	328	339	352	26.6%
10 AVONDALE BOROUGH	307	339	10.4	362	385	401	18.3
15 BIRMINGHAM TOWNSHIP	463	828	78.8	991	1,111	1,210	46.1
20 CALN TOWNSHIP	3,085	4,112	33.3	4,744	5,146	5,379	30.8
25 CHARLESTOWN TOWNSHIP	776	852	9.8	966	1,041	1,124	31.9
30 COATESVILLE CITY	3,959	4,078	3.0	4,331	4,452	4,521	10.9
35 DOWNTONTOWN BOROUGH	2,971	3,061	3.0	3,270	3,374	3,440	12.4
40 EAST BRADFORD TOWNSHIP	1,056	2,129	101.6	3,260	4,046	4,486	110.7
45 EAST BRANDYWINE TOWNSHIP	1,402	1,661	18.5	2,267	2,813	3,274	97.1
50 EAST CALN TOWNSHIP	755	975	29.1	1,188	1,348	1,442	47.9
55 EAST COVENTRY TOWNSHIP	1,334	1,527	14.5	1,721	1,947	2,121	38.9
60 EAST FALLOWFIELD TOWNSHIP	1,320	1,471	11.4	1,676	1,909	2,050	39.4
65 EAST GOSHEN TOWNSHIP	3,766	6,119	62.5	6,933	7,178	7,384	20.7
70 EAST MARLBOROUGH TOWNSHIP	1,200	1,590	32.5	1,863	2,185	2,414	51.8
75 EAST NANTMEAL TOWNSHIP	340	487	43.2	611	783	1,024	110.3
80 EAST NOTTINGHAM TOWNSHIP	945	1,249	32.2	1,447	1,778	2,067	65.5
85 EAST PIKELAND TOWNSHIP	1,400	1,980	41.4	2,165	2,417	2,582	30.4
90 EASTSTOWN TOWNSHIP	2,883	3,385	17.4	3,613	3,733	3,911	15.5
95 EAST VINCENT TOWNSHIP	1,322	1,504	13.8	1,774	2,202	2,568	70.7
100 EAST WHITELAND TOWNSHIP	2,666	2,880	8.0	3,450	3,617	3,746	30.1

Chester County Occupied Housing Units by Municipality

(Continued)

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
105 ELK TOWNSHIP	255	383	50.2	516	654	779	103.4
110 ELMERSON BOROUGH	204	170	-16.7	300	367	416	144.7
115 FRANKLIN TOWNSHIP	599	911	52.1	1,278	1,522	1,764	93.6
120 HIGHLAND TOWNSHIP	393	431	9.7	480	515	556	29.0
125 HONEY BROOK BOROUGH	393	451	14.8	484	518	528	17.1
130 HONEY BROOK TOWNSHIP	1,198	1,732	44.6	2,192	2,444	2,586	49.3
137 KENNETT TOWNSHIP	1,458	1,733	18.9	1,974	2,190	2,400	38.5
140 KENNETT SQUARE BOROUGH	1,725	1,902	10.3	2,074	2,171	2,251	18.3
145 LONDON BRITAIN TOWNSHIP	484	867	79.1	1,337	1,876	2,345	170.5
150 LONDONDERRY TOWNSHIP	370	424	14.6	488	550	603	42.2
155 LONDON GROVE TOWNSHIP	1,102	1,272	15.4	1,950	2,450	2,766	117.5
160 LOWER OXFORD TOWNSHIP	677	770	13.7	934	1,101	1,273	65.3
165 MALVERN BOROUGH	1,179	1,248	5.9	1,317	1,351	1,380	10.6
170 MODENA BOROUGH	202	196	-3.0	209	219	231	17.9
175 NEW GARDEN TOWNSHIP	1,497	1,699	13.5	2,118	2,519	2,917	71.7
180 NEWLIN TOWNSHIP	226	395	74.8	464	547	628	59.0
185 NEW LONDON TOWNSHIP	421	860	104.3	1,290	1,927	2,435	183.1
190 NORTH COVENTRY TOWNSHIP	2,539	2,773	9.2	3,204	3,407	3,585	29.3
195 OXFORD BOROUGH	1,343	1,523	13.4	1,584	1,649	1,696	11.4

Chester County Occupied Housing Units by Municipality

(Continued)

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
200 PARKESBURG BOROUGH	923	1,109	20.2	1,184	1,251	1,278	15.2
207 PENN TOWNSHIP	637	829	30.1	1,234	1,546	1,738	109.7
210 PENNSBURG TOWNSHIP	906	1,070	18.1	1,239	1,420	1,523	42.3
215 PHOENIXVILLE BOROUGH	5,402	6,270	16.1	6,648	6,868	7,081	12.9
220 POCOPSON TOWNSHIP	541	791	46.2	996	1,131	1,215	53.6
225 SADSBURY TOWNSHIP	802	887	10.6	1,073	1,345	1,718	93.7
230 SCHUYLKILL TOWNSHIP	1,984	2,009	1.3	2,150	2,246	2,344	16.7
235 SOUTH COATESVILLE BOROUGH	439	377	-14.1	451	476	487	29.2
240 SOUTH COVENTRY TOWNSHIP	511	641	25.4	713	745	790	23.2
245 SPRING CITY BOROUGH	1,330	1,398	5.1	1,458	1,483	1,507	7.8
250 THORNBURY TOWNSHIP	324	372	14.8	449	512	594	59.7
255 TREDFERRIN TOWNSHIP	8,228	11,447	39.1	12,314	12,821	13,268	15.9
260 UPPER OXFORD TOWNSHIP	393	533	35.6	641	759	881	65.3
265 UPPER UWCHLAN TOWNSHIP	555	1,304	135.0	1,802	2,116	2,384	82.8
270 UWCHLAN TOWNSHIP	2,615	4,537	73.5	5,703	6,052	6,323	39.4
275 VALLEY TOWNSHIP	1,195	1,406	17.7	1,693	1,922	2,123	51.0
280 WALLACE TOWNSHIP	543	755	39.0	854	984	1,120	48.3
285 WARWICK TOWNSHIP	776	892	14.9	1,039	1,211	1,445	62.0
290 WEST BRADFORD TOWNSHIP	2,099	3,164	50.7	4,150	4,593	4,782	51.1

Chester County Occupied Housing Units by Municipality

(Continued)

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
295 WEST BRANDYWINE TOWNSHIP	1,313	1,992	51.7	2,612	3,056	3,534	77.4
300 WEST CALN TOWNSHIP	1,568	2,024	29.1	2,597	2,919	3,209	58.5
305 WEST CHESTER BOROUGH	5,705	6,110	7.1	6,324	6,480	6,573	7.6
310 WEST FALLOWFIELD TOWNSHIP	674	763	13.2	920	1,097	1,294	69.6
315 WEST GOSHEN TOWNSHIP	5,529	6,483	17.3	7,241	7,468	7,570	16.8
320 WEST GROVE BOROUGH	645	760	17.8	812	852	885	16.4
325 WEST MARLBOROUGH TOWNSHIP	350	347	-0.9	366	404	445	28.2
330 WEST NANTMEAL TOWNSHIP	482	638	32.4	755	940	1,160	81.8
335 WEST NOTTINGHAM TOWNSHIP	635	783	23.3	904	1,050	1,194	52.5
340 WEST PIKELAND TOWNSHIP	509	780	53.2	986	1,127	1,241	59.1
345 WEST SADSBURY TOWNSHIP	543	671	23.6	844	1,032	1,281	90.9
350 WESTTOWN TOWNSHIP	1,955	3,203	63.8	3,591	3,877	4,151	29.6
355 WEST VINCENT TOWNSHIP	642	790	23.1	1,085	1,321	1,526	93.2
360 WEST WHITELAND TOWNSHIP	3,018	4,601	52.5	5,716	6,258	6,495	41.2
365 WILLISTOWN TOWNSHIP	2,613	3,276	25.4	3,442	3,643	3,839	17.2
TOTAL	104,863	133,257	27.1%	155,139	170,786	183,633	37.8%

Delaware County Occupied Housing Units by Municipality

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
5 ALDAN BOROUGH	1,718	1,769	3.0%	1,816	1,825	1,852	4.7%
10 ASTON TOWNSHIP	4,481	5,151	15.0	5,510	5,733	5,968	15.9
15 BETHEL TOWNSHIP	751	1,079	43.7	1,384	1,601	1,711	58.6
20 BIRMINGHAM TOWNSHIP	771	1,237	60.4	1,778	2,146	2,568	107.6
25 BROOKHAVEN BOROUGH	2,883	3,508	21.7	3,789	3,950	4,054	15.6
30 CHESTER CITY	15,824	14,537	-8.1	14,375	13,891	13,626	-6.3
35 CHESTER TOWNSHIP	1,749	1,778	1.7	1,819	1,814	1,779	0.1
38 CHESTER HEIGHTS BOROUGH	410	950	131.7	1,321	1,569	1,825	92.1
45 CLIFTON HEIGHTS BOROUGH	2,712	2,747	1.3	2,711	2,630	2,559	-6.8
50 COLLINGDALE BOROUGH	3,247	3,317	2.2	3,270	3,163	3,075	-7.3
55 COLWYN BOROUGH	944	924	-2.1	879	861	839	-9.2
60 CONCORD TOWNSHIP	1,802	2,232	23.9	2,886	3,403	3,668	64.3
65 DARBY BOROUGH	3,759	3,709	-1.3	3,594	3,437	3,290	-11.3
70 DARBY TOWNSHIP	3,808	3,822	0.4	3,653	3,583	3,563	-6.8
75 EAST LANSDOWNE BOROUGH	984	961	-2.3	941	921	859	-10.6
80 EDDYSTONE BOROUGH	960	993	3.4	971	947	915	-7.9
85 EDGMONT TOWNSHIP	446	1,096	145.7	1,430	1,627	1,788	63.1
90 FOLCROFT BOROUGH	2,451	2,544	3.8	2,581	2,591	2,603	2.3
95 GLENOLDEN BOROUGH	2,855	2,907	1.8	2,902	2,919	2,910	0.1
100 HAVERFORD TOWNSHIP	17,017	17,727	4.2	17,287	17,543	17,677	-0.3

Delaware County Occupied Housing Units by Municipality

(Continued)

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
105 LANSDOWNE BOROUGH	4,790	4,917	2.7	4,958	4,791	4,775	-2.9
110 LOWER CHICHESTER TOWNSHIP	1,308	1,212	-7.3	1,157	1,112	1,041	-14.1
115 MARCUS HOOK BOROUGH	907	990	9.2	898	876	893	-9.8
120 MARPLE TOWNSHIP	7,624	8,193	7.5	8,658	9,053	9,336	14.0
125 MEDIA BOROUGH	2,827	2,867	1.4	2,911	2,915	2,919	1.8
130 MIDDLETOWN TOWNSHIP	3,739	4,344	16.2	4,787	5,029	5,278	21.5
135 MILLBOURNE BOROUGH	419	379	-9.5	372	429	439	15.8
140 MORTON BOROUGH	903	1,155	27.9	1,288	1,255	1,273	10.2
145 NETHER PROVIDENCE TWP.	4,180	4,807	15.0	5,260	5,354	5,347	11.2
150 NEWTOWN TOWNSHIP	3,875	4,337	11.9	4,670	4,873	5,131	18.3
155 NORWOOD BOROUGH	2,220	2,219	0.0	2,195	2,165	2,102	-5.3
160 PARKSIDE BOROUGH	903	928	2.8	933	934	943	1.6
165 PROSPECT PARK BOROUGH	2,523	2,617	3.7	2,658	2,664	2,696	3.0
170 RADNOR TOWNSHIP	9,173	9,838	7.2	10,867	11,050	11,239	14.2
177 RIDLEY TOWNSHIP	11,688	11,889	1.7	11,368	11,581	11,847	-0.4
180 RIDLEY PARK BOROUGH	2,904	3,045	4.9	3,122	3,190	3,152	3.5
185 ROSE VALLEY BOROUGH	330	334	1.2	383	423	462	38.3
190 RUTLEDGE BOROUGH	323	324	0.3	314	320	326	0.6
195 SHARON HILL BOROUGH	2,116	2,156	1.9	2,030	1,975	1,931	-10.4

Delaware County Occupied Housing Units by Municipality

(Continued)

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
200 SPRINGFIELD TOWNSHIP	8,269	8,435	2.0	8,251	8,423	8,513	0.9
205 SWARTHMORE BOROUGH	1,944	2,023	4.1	2,121	2,124	2,198	8.7
210 THORNBURY TOWNSHIP	778	995	27.9	1,329	1,413	1,515	52.3
215 TINICUM TOWNSHIP	1,540	1,736	12.7	1,762	1,791	1,752	0.9
220 TRAINER BOROUGH	739	871	17.9	876	852	856	-1.7
225 UPLAND BOROUGH	1,163	1,187	2.1	1,148	1,120	1,074	-9.5
230 UPPER CHESTER TOWNSHIP	4,893	5,325	8.8	6,129	6,411	6,706	25.9
235 UPPER DARBY TOWNSHIP	32,349	32,746	1.2	32,830	32,775	31,907	-2.6
240 U. PROVIDENCE TOWNSHIP	3,426	3,723	8.7	3,944	4,113	4,327	16.2
245 YEADON BOROUGH	4,477	4,794	7.1	4,838	4,866	4,887	1.9
TOTAL	191,902	201,374	4.9%	206,954	210,031	211,994	5.3%

Montgomery County Occupied Housing Units by Municipality

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
5 ABINGTON TOWNSHIP	20,560	21,543	4.8%	21,611	21,689	21,940	1.8%
10 AMBLER BOROUGH	2,448	2,561	4.6	2,550	2,629	2,660	3.9
15 BRIDGEPORT BOROUGH	1,961	1,813	-7.5	1,837	1,829	1,827	0.8
20 BRYN ATHYN BOROUGH	286	321	12.2	340	358	346	7.8
25 CHELTENHAM TOWNSHIP	13,371	13,747	2.8	13,935	13,909	14,103	2.6
30 COLLEGEVILLE BOROUGH	923	1,259	36.4	1,457	1,578	1,647	30.8
35 CONSHOHOCKEN BOROUGH	3,099	3,287	6.1	3,394	3,385	3,409	3.7
40 DOUGLASS TOWNSHIP	1,922	2,452	27.6	2,980	3,571	4,364	78.0
45 EAST GREENVILLE BOROUGH	901	1,121	24.4	1,159	1,160	1,185	5.7
50 EAST NORRITON TOWNSHIP	4,347	4,976	14.5	5,107	5,415	5,307	6.7
55 FRANCONIA TOWNSHIP	1,935	2,331	20.5	2,849	3,216	3,494	49.9
60 GREEN LANE BOROUGH	199	170	-14.6	178	202	226	32.9
65 HATBORO BOROUGH	2,845	3,008	5.7	3,061	3,131	3,131	4.1
70 HATFIELD BOROUGH	982	1,099	11.9	1,138	1,209	1,211	10.2
75 HATFIELD TOWNSHIP	4,779	5,829	22.0	6,373	6,628	6,815	16.9
80 HORSHAM TOWNSHIP	5,456	8,279	51.7	9,129	9,744	10,200	23.2
85 JENKINTOWN BOROUGH	1,998	1,953	-2.3	1,983	1,971	1,989	1.8
90 LANSDALE BOROUGH	6,292	6,672	6.0	6,751	6,920	6,878	3.1
95 LIMERICK TOWNSHIP	1,727	2,435	41.0	4,897	6,705	7,807	220.6
100 LOWER FREDERICK TOWNSHIP	806	1,191	47.8	1,431	1,629	1,886	58.4

Montgomery County Occupied Housing Units by Municipality

(Continued)

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
105 LOWER GWINNEDD TOWNSHIP	1,919	3,679	91.7	4,001	4,260	4,254	15.6
110 LOWER MERION TOWNSHIP	21,536	22,559	4.8	22,721	23,099	23,276	3.2
115 LOWER MORELAND TOWNSHIP	3,884	4,154	7.0	4,143	4,161	4,148	-0.1
120 LOWER POTTSGROVE TOWNSHIP	2,452	3,076	25.4	3,731	4,200	4,500	46.3
125 LOWER PROVIDENCE TOWNSHIP	6,179	6,567	6.3	7,307	7,852	7,867	19.8
130 LOWER Salford TOWNSHIP	2,035	3,729	83.2	4,663	5,444	5,936	59.2
135 MARLBOROUGH TOWNSHIP	924	1,099	18.9	1,230	1,332	1,357	23.5
140 MONTGOMERY TOWNSHIP	1,930	4,522	134.3	6,441	7,071	7,088	56.7
145 NARBERTH BOROUGH	1,926	1,981	2.9	2,008	1,990	2,011	1.5
150 NEW HANOVER TOWNSHIP	1,494	2,023	35.4	2,429	2,853	3,182	57.3
155 NORRISTOWN BOROUGH	12,282	12,187	-0.8	12,020	12,030	11,932	-2.1
160 NORTH WALES BOROUGH	1,243	1,472	18.4	1,541	1,568	1,574	6.9
165 PENNSBURG BOROUGH	866	879	1.5	1,010	1,127	1,156	31.5
170 PERKIOMEN TOWNSHIP	1,017	1,191	17.1	2,006	2,711	3,100	160.3
175 PLYMOUTH TOWNSHIP	5,944	6,244	5.0	6,197	6,351	6,418	2.8
180 POTTSTOWN BOROUGH	8,835	9,086	2.8	9,090	9,195	9,249	1.8
185 RED HILL BOROUGH	542	688	26.9	767	798	835	21.4
190 ROCKLEDGE BOROUGH	1,075	1,094	1.8	1,135	1,151	1,186	8.4
195 ROYERSFORD BOROUGH	1,724	1,883	9.2	1,993	2,043	2,066	9.7

Montgomery County Occupied Housing Units by Municipality

(Continued)

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
200 Salford Township	619	711	14.9	796	862	906	27.4
205 Schwenksville Borough	413	511	23.7	541	554	589	15.3
210 Skippack Township	1,304	1,696	30.1	1,987	2,309	2,466	45.4
215 Souderton Borough	2,408	2,359	-2.0	2,355	2,381	2,408	2.1
220 Springfield Township	6,658	7,081	6.4	7,244	7,338	7,385	4.3
225 Telford Borough	892	976	9.4	1,009	1,028	1,027	5.2
230 Towamencin Township	3,856	5,202	34.9	6,627	7,541	7,647	47.0
235 Trappe Borough	651	832	27.8	1,108	1,371	1,488	78.8
240 Upper Dublin Township	6,751	8,203	21.5	8,503	8,610	8,599	4.8
245 Upper Frederick Township	549	700	27.5	1,138	1,269	1,382	97.4
250 Upper Gwynedd Township	3,206	4,143	29.2	4,816	5,040	5,096	23.0
255 Upper Hanover Township	1,256	1,547	23.2	1,903	2,453	2,798	80.9
260 Upper Merion Township	9,295	10,541	13.4	11,063	11,487	11,660	10.6
265 Upper Moreland Township	9,398	10,063	7.1	10,069	10,124	10,417	3.5
270 Upper Pottsgrove Township	903	1,093	21.0	1,326	1,721	1,949	78.3
275 Upper Providence Township	3,023	3,318	9.8	4,472	5,567	6,307	90.1
280 Upper Salford Township	739	893	20.8	1,021	1,169	1,260	41.1
285 West Conshohocken Borough	511	470	-8.0	706	810	834	77.4
290 West Norriton Township	4,736	6,334	33.7	6,767	6,953	6,741	6.4

Montgomery County Occupied Housing Units by Municipality

(Continued)

Municipality	Census Counts		'80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
295 WEST POTTSGROVE TOWNSHIP	1,486	1,470	-1.1	1,495	1,496	1,489	1.3
300 WHITEMARSH TOWNSHIP	4,952	5,518	11.4	5,894	6,135	6,205	12.5
305 WHITPAIN TOWNSHIP	3,883	5,439	40.1	5,898	6,193	6,390	17.5
310 WORCESTER TOWNSHIP	1,559	1,735	11.3	2,116	2,534	3,509	102.2
TOTAL	223,692	254,995	14.0%	275,447	291,059	300,112	17.7%

Philadelphia County Occupied Housing Units by Planning Area

	Planning Area	County	Census Counts		DVRPC Forecasts			Percent Change '90-2020
			1980	1990	2000	2010	2020	
1	CENTER CITY PHILA.		27,713	29,265	5.6%	31,821	34,724	36,982
2	SOUTH PHILA.		69,284	66,242	-4.4	65,258	64,776	64,432
3	SOUTHWEST PHILA.		29,363	28,288	-3.7	28,733	28,548	28,464
4	WEST PHILA.		86,477	83,735	-3.2	82,647	81,661	80,652
5	LOWER NORTH PHILA		58,714	52,273	-11.0	50,681	49,200	47,692
								-8.8
6	UPPER NORTH PHILA		36,693	33,933	-7.5	33,498	32,496	31,458
7	KENSINGTON		37,144	35,754	-3.7	35,318	34,949	34,558
8	ROXBOROUGH-MANAYUNK		17,315	17,578	1.5	18,014	18,376	18,703
9	GERMANTOWN-CHESTNUT HILL		43,274	40,876	-5.5	41,161	41,434	41,693
10	OLNEY-OAK LANE		64,109	60,354	-5.9	59,957	59,288	58,703
								-2.7
11	NEAR NORTHEAST PHILA.		96,583	96,079	-0.5	96,578	97,292	97,743
12	FAIR-NORTHEAST PHILA.		53,942	58,698	8.8	59,956	61,295	62,992
								1.7
	TOTAL		620,611	603,075	-2.8%	= = = = =	603,622	604,039
								604,072
								0.2%

Burlington County Occupied Housing Units by Municipality

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-'2020
	1980	1990		2000	2010	2020	
5 BASS RIVER TOWNSHIP	497	546	9.9%	606	630	659	20.7%
10 BEVERLY CITY	978	1,011	3.4	1,069	1,042	1,023	1.2
15 BORDENTOWN CITY	1,757	1,784	1.5	1,826	1,813	1,725	-3.3
20 BORDENTOWN TOWNSHIP	2,456	2,857	16.3	3,592	3,907	4,107	43.8
25 BURLINGTON CITY	3,776	3,840	1.7	3,820	3,821	3,782	-1.5
30 BURLINGTON TOWNSHIP	3,833	4,447	16.0	5,592	6,212	6,489	45.9
35 CHESTERFIELD TOWNSHIP	719	945	31.4	1,165	1,417	1,743	84.4
40 CINNAMONSON TOWNSHIP	4,655	4,767	2.4	5,214	5,393	5,287	10.9
45 DELANCO TOWNSHIP	1,261	1,208	-4.2	1,322	1,385	1,395	15.5
50 DELRAN TOWNSHIP	4,756	4,370	-8.1	5,280	5,863	6,025	37.9
55 EAST AMPTON TOWNSHIP	1,447	1,889	30.5	2,428	3,110	4,032	113.4
60 EDGEWATER PARK TOWNSHIP	3,438	3,138	-8.7	3,406	3,540	3,498	11.5
65 Evesham Township	6,747	12,566	86.2	15,200	16,763	18,128	44.3
70 FIELDSBORO BOROUGH	186	187	0.5	174	173	174	-7.0
75 FLORENCE TOWNSHIP	3,291	3,752	14.0	4,328	4,974	5,629	50.0
80 HAINESPORT TOWNSHIP	1,136	1,161	2.2	1,428	1,514	1,591	37.0
90 LUMBERTON TOWNSHIP	2,015	2,575	27.8	3,199	3,479	3,694	43.5
95 MANSFIELD TOWNSHIP	823	1,531	86.0	2,041	2,717	3,517	129.7
100 MAPLE SHADE TOWNSHIP	8,521	8,475	-0.5	8,822	9,309	9,233	8.9
105 MEDFORD TOWNSHIP	5,576	6,848	22.8	8,479	10,162	10,935	59.7
110 MEDFORD LAKES BOROUGH	1,512	1,528	1.1	1,622	1,679	1,739	13.8

Burlington County Occupied Housing Units by Municipality

(Continued)

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
115 MOORESTOWN TOWNSHIP	5,289	5,830	10.2	6,305	6,785	6,834	17.2
120 MOUNT HOLLY TOWNSHIP	3,674	3,657	-0.5	3,741	3,685	3,544	-3.1
125 MOUNT LAUREL TOWNSHIP	5,371	11,844	120.5	13,486	14,736	16,243	37.1
130 NEW HANOVER TOWNSHIP	926	763	-17.6	660	647	607	-20.4
135 NORTH HANOVER TOWNSHIP	2,781	3,202	15.1	3,579	3,929	4,244	32.5
140 PALMYRA BOROUGH	2,651	2,823	6.5	2,773	2,876	2,753	-2.5
145 PEMBERTON BOROUGH	448	489	9.2	500	574	617	26.2
150 PEMBERTON TOWNSHIP	9,055	10,051	11.0	11,005	11,368	11,926	18.7
155 RIVERSIDE TOWNSHIP	2,937	3,010	2.5	2,946	3,052	2,990	-0.7
160 RIVERTON BOROUGH	1,104	1,054	-4.5	926	880	846	-19.7
165 SHAMONG TOWNSHIP	1,367	1,791	31.0	1,990	2,246	2,335	30.4
170 SOUTHAMPTON TOWNSHIP	3,506	4,316	23.1	4,728	4,967	5,086	17.8
175 SPRINGFIELD TOWNSHIP	843	1,000	18.6	1,410	1,725	1,946	94.6
180 TABERNACLE TOWNSHIP	1,834	2,246	22.5	2,564	2,762	2,813	25.2
185 WASHINGTON TOWNSHIP	274	305	11.3	344	374	389	27.5
190 WESTAMPTON TOWNSHIP	1,107	2,070	87.0	2,656	3,154	3,524	70.2
192 WILLINGBORO TOWNSHIP	10,883	11,044	1.5	12,008	12,183	11,498	4.1
195 WOODLAND TOWNSHIP	376	416	10.6	446	485	512	23.1
200 WRIGHTSTOWN BOROUGH	1,163	1,218	4.7	1,165	1,186	1,144	-6.1
TOTAL	114,969	136,554	= = = = =	18.8%	153,845	166,517	174,256
							27.6%

Camden County Occupied Housing Units by Municipality

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
5 AUDUBON BOROUGH	3,596	3,622	0.7%	3,840	3,923	3,894	7.5%
10 AUDUBON PARK BOROUGH	477	512	7.3	489	497	506	-1.2
15 BARRINGTON BOROUGH	2,690	2,688	-0.1	2,647	2,643	2,623	-2.4
20 BELLMAWR BOROUGH	4,489	4,679	4.2	4,666	4,743	4,878	4.3
25 BERLIN BOROUGH	1,825	1,950	6.8	2,471	2,905	3,414	75.1
30 BERLIN TOWNSHIP	1,690	1,777	5.1	1,983	2,020	2,061	16.0
35 BROOKLAWN BOROUGH	783	702	-10.3	836	929	952	35.6
40 CAMDEN CITY	28,354	26,626	-6.1	26,828	27,609	28,116	5.6
43 CHERRY HILL TOWNSHIP	21,857	24,531	12.2	25,604	27,069	28,062	14.4
45 CHESILHURST BOROUGH	470	476	1.3	715	866	1,038	118.1
50 CLEMENTON BOROUGH	2,227	2,260	1.5	2,435	2,562	2,765	22.3
55 COLLINGSWOOD BOROUGH	6,428	6,396	-0.5	6,674	6,848	7,117	11.3
65 GIBBSBORO BOROUGH	756	749	-0.9	771	754	758	1.2
75 GLOUCESTER TOWNSHIP	15,106	18,527	22.6	21,474	24,463	25,907	39.8
77 GLOUCESTER CITY	4,655	4,601	-1.2	4,802	4,872	4,925	7.0
80 HADDON TOWNSHIP	6,251	6,242	-0.1	6,376	6,227	6,483	3.9
85 HADDONFIELD BOROUGH	4,452	4,491	0.9	4,603	4,591	4,684	4.3
90 HADDON HEIGHTS BOROUGH	3,082	3,042	-1.3	3,037	3,114	3,190	4.9
95 HI-NELLA BOROUGH	488	470	-3.7	441	436	450	-4.3
100 LAUREL SPRINGS BOROUGH	739	821	11.1	921	931	965	17.5

Camden County Occupied Housing Units by Municipality

(Continued)

Municipality	Census Counts		'80-'90	Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990			2000	2010	2020	
105 LAWNSIDE BOROUGH	1,057	1,032	-2.4	-2.4	1,026	1,013	995	-3.6
110 LINDENWOLD BOROUGH	7,551	7,942	5.2	5.2	9,039	9,428	9,912	24.8
115 MAGNOLIA BOROUGH	1,663	1,775	6.7	6.7	1,916	1,993	2,018	13.7
120 MERCHANTVILLE BOROUGH	1,582	1,582	0.0	0.0	1,628	1,664	1,783	12.7
125 MOUNT EPHRAIM BOROUGH	1,894	1,788	-5.6	-5.6	1,854	1,776	1,831	2.4
130 OAKLYN BOROUGH	1,778	1,846	3.8	3.8	1,940	1,984	2,045	10.8
135 PENNSAUKEN TOWNSHIP	11,498	12,404	7.9	7.9	12,937	13,441	13,443	8.4
140 PINE HILL BOROUGH	3,348	3,817	13.7	13.7	4,446	4,407	4,568	20.0
150 RUNNEMEDE BOROUGH	3,306	3,420	3.4	3.4	3,546	3,576	3,663	7.1
155 SOMERDALE BOROUGH	2,043	2,069	1.3	1.3	2,116	2,185	2,237	8.1
160 STRATFORD BOROUGH	2,554	2,714	6.3	6.3	2,974	3,142	3,205	18.1
165 TAIVISTOCK BOROUGH	0	10	---	---	10	11	11	10.0
170 VOORHEES TOWNSHIP	4,592	9,107	98.3	98.3	11,637	14,288	15,847	74.0
175 WATERFORD TOWNSHIP	2,434	3,451	41.8	41.8	5,017	6,220	7,002	102.9
180 WINSLOW TOWNSHIP	6,069	9,736	60.4	60.4	12,538	15,008	17,307	77.8
185 WOODLYNNE BOROUGH	936	903	-3.5	-3.5	916	897	873	-3.3
TOTAL	162,720	178,758	9.9%	9.9%	195,153	209,035	219,528	22.8%

Gloucester County Occupied Housing Units by Municipality

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
5 CLAYTON BOROUGH	1,926	2,069	7.4%	2,319	2,607	2,670	29.0%
10 DEPTFORD TOWNSHIP	7,320	8,554	16.9	10,094	11,828	13,072	52.8
15 EAST GREENWICH TOWNSHIP	1,321	1,702	28.8	2,212	2,759	3,526	107.2
20 ELK TOWNSHIP	995	1,279	28.5	1,725	2,562	3,489	172.8
25 FRANKLIN TOWNSHIP	3,893	4,679	20.2	5,930	6,578	7,434	58.9
30 GLASSBORO BOROUGH	4,693	5,019	6.9	5,544	6,058	6,191	23.4
35 GREENWICH TOWNSHIP	1,784	1,842	3.3	2,018	2,105	2,159	17.2
40 HARRISON TOWNSHIP	1,230	1,610	30.9	2,116	3,117	3,767	134.0
45 LOGAN TOWNSHIP	1,021	1,656	62.2	2,445	3,506	4,520	172.9
50 MANTUA TOWNSHIP	2,826	3,463	22.5	4,032	4,670	4,997	44.3
55 MONROE TOWNSHIP	7,096	9,170	29.2	11,355	12,032	12,882	40.5
60 NATIONAL PARK BOROUGH	1,069	1,110	3.8	1,156	1,136	1,146	3.2
65 NEWFIELD BOROUGH	516	560	8.5	763	869	977	74.5
70 PAULSBORO BOROUGH	2,411	2,423	0.5	2,410	2,444	2,507	3.5
75 PITMAN BOROUGH	3,389	3,395	0.2	3,455	3,486	3,439	1.3
80 SOUTH HARRISON TOWNSHIP	487	626	28.5	710	826	878	40.3
85 SWEDESBORO BOROUGH	743	734	-1.2	858	911	1,002	36.5
90 WASHINGTON TOWNSHIP	8,275	13,150	58.9	16,151	18,831	19,876	51.1
95 WENONAH BOROUGH	779	826	6.0	879	895	889	7.6
100 WEST DEPTFORD TOWNSHIP	6,464	7,407	14.6	8,363	8,863	10,250	38.4

Gloucester County Occupied Housing Units by Municipality

(Continued)

Municipality	Census Counts		'80-'90	Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990			2000	2010	2020	
105 WESTVILLE BOROUGH	1,824	1,834	0.5	1,833	1,809	1,793	-2.2	
110 WOODBURY CITY	3,793	4,155	9.5	4,438	4,520	4,515	8.7	
115 WOODBURY HEIGHTS BOROUGH	1,033	1,107	7.2	1,166	1,190	1,212	9.5	
120 WOOLWICH TOWNSHIP	376	475	26.3	659	1,398	1,839	287.2	
TOTAL	65,264	78,845	20.8%	=	=	=	=	=
					92,631	105,000	115,030	45.9%

Mercer County Occupied Housing Units by Municipality

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
5 EAST WINDSOR TOWNSHIP	7,514	8,564	14.0%	10,486	11,761	12,832	49.8%
10 EWING TOWNSHIP	11,583	12,102	4.5	12,669	13,355	13,305	9.9
15 HAMILTON TOWNSHIP	29,454	32,576	10.6	34,126	35,731	35,957	10.4
20 HIGHTSTOWN BOROUGH	1,692	2,018	19.3	2,156	2,327	2,364	17.1
25 HOPEWELL BOROUGH	772	777	0.6	827	909	918	18.1
30 HOPEWELL TOWNSHIP	3,516	3,924	11.6	5,062	6,014	6,871	75.1
35 LAWRENCE TOWNSHIP	6,140	9,107	48.3	10,968	12,216	13,983	53.5
40 PENNINGTON BOROUGH	757	921	21.7	990	1,025	1,098	19.2
45 PRINCETON BOROUGH	3,116	3,265	4.8	3,292	3,370	3,340	2.3
50 PRINCETON TOWNSHIP	4,901	5,183	5.8	5,458	6,012	6,068	17.1
55 TRENTON CITY	32,455	30,744	-5.3	31,073	32,279	32,940	7.1
60 WASHINGTON TOWNSHIP	1,241	2,397	93.2	3,540	4,022	5,470	128.2
65 WEST WINDSOR TOWNSHIP	2,694	5,363	99.1	7,641	9,051	11,095	106.9
TOTAL	105,835	116,941	10.5%	128,288	138,072	146,241	25.1%

APPENDIX B (B-1 TO B-25)
VEHICLE AVAILABILITY
BY MUNICIPALITY

Bucks County Vehicle Availability by Municipality

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
5 BEDMINSTER TOWNSHIP	2,033	3,574	75.8%	4,447	5,272	6,173	72.7%
10 BENSEALEM TOWNSHIP	27,884	35,179	26.2	41,496	46,330	47,760	35.8
15 BRIDGETON TOWNSHIP	683	1,064	55.8	1,213	1,328	1,480	39.1
20 BRISTOL BOROUGH	4,465	5,142	15.2	5,417	5,656	5,692	10.7
25 BRISTOL TOWNSHIP	29,426	34,578	17.5	37,519	38,619	38,905	12.5
30 BUCKINGHAM TOWNSHIP	5,154	7,087	37.5	8,633	9,844	13,157	85.6
35 CHALFONT BOROUGH	1,584	2,112	33.3	2,556	3,037	3,254	54.1
40 DOYLESTOWN BOROUGH	4,378	5,602	28.0	6,442	6,787	7,084	26.5
45 DOYLESTOWN TOWNSHIP	6,045	9,071	50.1	13,462	19,202	20,059	121.1
50 DUBLIN BOROUGH	923	1,323	43.3	1,503	1,677	1,681	27.1
55 DURHAM TOWNSHIP	491	959	95.3	1,211	1,409	1,582	65.0
60 EAST ROCKHILL TOWNSHIP	1,626	2,733	68.1	3,485	4,128	4,781	74.9
65 FALLS TOWNSHIP	18,802	22,488	19.6	23,751	24,340	24,525	9.1
70 HAYCOCK TOWNSHIP	973	1,638	68.3	2,000	2,323	2,551	55.7
75 HILLTOWN TOWNSHIP	5,021	7,588	51.1	9,407	11,363	14,025	84.8
80 HULMEVILLE BOROUGH	536	627	17.0	661	674	682	8.8
85 NYLAND BOROUGH	337	362	7.4	393	406	417	15.2
90 LANGHORNE BOROUGH	811	891	9.9	892	890	867	-2.7
95 LANGHORNE MANOR BOROUGH	600	604	0.7	637	646	656	8.6
100 LOWER MAKEFIELD TOWNSHIP	10,440	18,466	76.9	23,242	26,964	29,161	57.9

Bucks County Vehicle Availability by Municipality

(Continued)

Municipality	Census Counts 1980	Census Counts 1990	Percent Change '80-'90	DVRPC Forecasts 2000	DVRPC Forecasts 2010	DVRPC Forecasts 2020	Percent Change '90-2020
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105 LOWER SOUTHPTON TOWNSHIP	10,150	13,511	33.1	15,796	17,024	17,506	29.6
110 MIDDLETOWN TOWNSHIP	19,440	27,580	41.9	33,425	38,495	41,398	50.1
115 MILFORD TOWNSHIP	3,106	5,185	66.9	6,797	8,474	10,367	99.9
120 MORRISVILLE BOROUGH	4,930	5,927	20.2	6,610	7,048	7,100	19.8
125 NEW BRITAIN BOROUGH	1,249	1,697	35.9	2,069	2,164	2,226	31.2
130 NEW BRITAIN TOWNSHIP	4,255	6,637	56.0	9,484	13,230	17,266	160.1
135 NEW HOPE BOROUGH	1,047	1,178	12.5	1,337	1,509	1,681	42.7
140 NEWTOWN BOROUGH	1,459	1,689	15.8	1,911	2,027	2,046	21.1
145 NEWTOWN TOWNSHIP	2,678	9,722	263.0	15,093	19,934	20,887	114.8
150 NOCKAMIXON TOWNSHIP	1,436	2,547	77.4	3,264	4,020	4,742	86.2
155 NORTHAMPTON TOWNSHIP	14,520	24,031	65.5	34,796	40,484	42,695	77.7
160 PENNDEL BOROUGH	1,283	1,489	16.1	1,682	1,759	1,804	21.2
165 PERKASIE BOROUGH	2,769	5,297	91.3	6,357	7,002	7,818	47.6
170 PLUMSTEAD TOWNSHIP	2,901	4,551	56.9	5,837	7,071	8,016	76.1
175 QUAKERTOWN BOROUGH	4,488	5,521	23.0	6,341	6,837	7,118	28.9
182 RICHLAND TOWNSHIP	3,527	5,953	68.8	8,168	10,820	13,061	119.4
185 RICHLAND TOWN BOROUGH	491	668	36.0	735	791	814	21.9
190 RIEGELSVILLE BOROUGH	537	662	23.3	780	860	916	38.4
195 SELLERSVILLE BOROUGH	1,732	2,816	62.6	3,653	3,780	3,951	40.3

Bucks County Vehicle Availability by Municipality

(Continued)

Municipality	Census Counts			DVRPC Forecasts			Percent Change '90-2020
	1980	1990	'80-'90 Percent Change	2000	2010	2020	
200 SILVERDALE BOROUGH	300	562	87.3	749	873	1,017	81.0
205 SOLEBURY TOWNSHIP	3,247	4,994	53.8	6,779	7,906	8,947	79.2
210 SPRINGFIELD TOWNSHIP	2,834	4,016	41.7	4,745	5,309	6,137	52.8
215 TELFORD BOROUGH	471	1,075	128.2	1,557	1,852	2,095	94.9
220 TINCUM TOWNSHIP	1,852	3,337	80.2	4,524	5,628	6,526	95.6
225 TRUMBAUERSVILLE BOROUGH	397	544	37.0	642	764	849	56.1
230 TULLYTOWN BOROUGH	1,160	1,564	34.8	1,704	1,794	1,937	23.8
235 UPPER MAKEFIELD TOWNSHIP	2,767	4,628	67.3	6,563	8,249	9,964	115.3
240 UPPER SOUTHAMPTON TOWNSHIP	8,921	11,144	24.9	13,003	14,086	14,788	32.7
245 WARMINSTER TOWNSHIP	18,035	21,084	16.9	23,394	24,020	24,340	15.4
250 WARRINGTON TOWNSHIP	6,018	8,336	38.5	11,706	14,222	15,844	90.1
255 WARWICK TOWNSHIP	1,367	3,938	188.1	6,417	7,969	9,130	131.8
260 WEST ROCKHILL TOWNSHIP	1,931	3,062	58.6	4,022	4,904	5,740	87.5
265 WRIGHTSTOWN TOWNSHIP	1,299	1,838	41.5	2,404	2,619	2,699	46.8
270 YARDLEY BOROUGH	1,592	1,580	-0.8	1,768	1,889	1,937	22.6
TOTAL	256,401	359,451	40.2%	442,479	506,308	547,854	52.4%

Chester County Vehicle Availability by Municipality

Municipality	Census Counts			Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990	2000		2010	2020		
5 ATGLEN BOROUGH	348	504	632	44.8%	682	723	43.5%	
10 AVONDALE BOROUGH	440	530	606	20.5	676	725	36.8	
15 BIRMINGHAM TOWNSHIP	986	2,031	2,515	106.0	2,874	3,164	55.8	
20 CALN TOWNSHIP	4,701	7,471	9,184	58.9	10,347	11,070	48.2	
25 CHARLESTOWN TOWNSHIP	1,470	1,948	2,308	32.5	2,554	2,802	43.8	
30 COATESVILLE CITY	4,069	4,684	5,421	15.1	5,903	6,219	32.8	
35 DOWNTONTOWN BOROUGH	4,034	4,928	5,676	22.2	6,159	6,489	31.7	
40 EAST BRADFORD TOWNSHIP	1,915	4,583	7,436	139.3	9,450	10,602	131.3	
45 EAST BRANDYWINE TOWNSHIP	2,534	3,675	5,295	45.0	6,719	7,914	115.3	
50 EAST CALN TOWNSHIP	1,233	1,871	2,436	51.7	2,861	3,124	67.0	
55 EAST COVENTRY TOWNSHIP	2,188	3,161	4,454	44.5	3,800	4,464	4,969	57.2
60 EAST FALLOWFIELD TOWNSHIP	2,009	2,942	3,554	46.4	4,180	4,578	55.6	
65 EAST GOSHEN TOWNSHIP	6,136	11,254	13,597	83.4	14,662	15,487		37.6
70 EAST MARLBOROUGH TOWNSHIP	2,058	3,352	4,177	62.9	5,060	5,694		69.9
75 EAST NANTMEAL TOWNSHIP	608	1,111	1,487	82.7	1,950	2,585		132.7
80 EAST NOTTINGHAM TOWNSHIP	1,415	2,381	2,991	68.3	3,825	4,540		90.7
85 EAST PIKELAND TOWNSHIP	2,679	4,152	4,783	55.0	5,506	5,997		44.4
90 EASTTOWN TOWNSHIP	5,345	6,811	7,719	27.4	8,293	8,917		30.9
95 EAST VINCENT TOWNSHIP	1,948	2,755	3,584	41.4	4,659	5,566		102.0
100 EAST WHITELAND TOWNSHIP	4,550	5,532	7,069	21.6	7,700	8,169		47.7

Chester County Vehicle Availability by Municipality

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
105 ELK TOWNSHIP	411	852	107.3	1,230	1,600	1,933	126.9
110 ELMERSON BOROUGH	296	364	23.0	691	865	995	173.4
115 FRANKLIN TOWNSHIP	1,057	2,023	91.4	3,010	3,673	4,316	113.3
120 HIGHLAND TOWNSHIP	624	899	44.1	1,066	1,183	1,308	45.5
125 HONEY BROOK BOROUGH	551	737	33.8	854	960	1,012	37.3
130 HONEY BROOK TOWNSHIP	1,491	3,002	101.3	4,194	4,927	5,370	78.9
137 KENNETT TOWNSHIP	2,415	3,376	39.8	4,154	4,809	5,410	60.2
140 KENNETT SQUARE BOROUGH	2,368	3,114	31.5	3,658	4,019	4,301	38.1
145 LONDON BRITAIN TOWNSHIP	883	2,041	131.1	3,314	4,730	5,957	191.9
150 LONDONDERRY TOWNSHIP	557	922	65.5	1,123	1,305	1,458	58.1
155 LONDON GROVE TOWNSHIP	1,784	2,629	47.4	4,344	5,620	6,436	144.8
160 LOWER OXFORD TOWNSHIP	976	1,554	59.2	2,020	2,466	2,908	87.1
165 MALVERN BOROUGH	1,669	2,025	21.3	2,279	2,440	2,564	26.6
170 MODENA BOROUGH	267	286	7.1	338	378	412	44.1
175 NEW GARDEN TOWNSHIP	2,200	3,169	44.0	4,289	5,306	6,276	98.0
180 NEWLIN TOWNSHIP	374	887	137.2	1,107	1,348	1,574	77.5
185 NEW LONDON TOWNSHIP	685	1,778	159.6	2,866	4,374	5,584	214.1
190 NORTH COVENTRY TOWNSHIP	4,266	5,616	31.6	6,922	7,646	8,243	46.8
195 OXFORD BOROUGH	1,619	2,079	28.4	2,333	2,555	2,717	30.7

Chester County Vehicle Availability by Municipality

(Continued)

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
200 PARKESBURG BOROUGH	1,249	1,874	50.0	2,160	2,396	2,527	34.8
207 PENN TOWNSHIP	941	1,616	71.7	2,621	3,400	3,886	140.5
210 PENNSBURG TOWNSHIP	1,527	2,301	50.7	2,837	3,362	3,680	59.9
215 PHOENIXVILLE BOROUGH	6,693	8,954	33.8	10,233	11,113	11,837	32.2
220 POCOPSON TOWNSHIP	988	1,814	83.6	2,393	2,785	3,034	67.3
225 SADSBURY TOWNSHIP	1,216	1,757	44.5	2,307	2,994	3,894	121.6
230 SCHUYLKILL TOWNSHIP	3,659	4,123	12.7	4,661	5,043	5,389	30.7
235 SOUTH COATESVILLE BOROUGH	476	446	-6.3	590	662	704	57.8
240 SOUTH COVENTRY TOWNSHIP	860	1,321	53.6	1,560	1,690	1,836	39.0
245 SPRING CITY BOROUGH	1,725	2,279	32.1	2,569	2,755	2,903	27.4
250 THORNBURY TOWNSHIP	633	887	40.1	1,128	1,319	1,553	75.1
255 TREYFFRIN TOWNSHIP	14,227	21,246	49.3	24,380	26,482	28,177	32.6
260 UPPER OXFORD TOWNSHIP	648	1,109	71.1	1,423	1,737	2,050	84.9
265 UPPER UWCHLAN TOWNSHIP	1,034	2,973	187.5	4,283	5,119	5,826	96.0
270 UWCHLAN TOWNSHIP	4,777	9,379	96.3	12,490	13,693	14,592	55.6
275 VALLEY TOWNSHIP	1,725	2,406	39.5	3,152	3,741	4,240	76.2
280 WALLACE TOWNSHIP	946	1,667	76.2	1,979	2,346	2,711	62.6
285 WARWICK TOWNSHIP	1,234	2,029	64.4	2,508	3,013	3,657	80.2
290 WEST BRADFORD TOWNSHIP	3,777	6,689	77.1	9,232	10,502	11,108	66.1

Chester County Vehicle Availability by Municipality

(Continued)

Municipality	Census Counts			DVRPC Forecasts			Percent Change '90-2020
	1980	1990	Change '80-'90	2000	2010	2020	
295 WEST BRANDYWINE TOWNSHIP	2,112	4,058	92.1	5,631	6,760	7,929	95.4
300 WEST CALN TOWNSHIP	2,438	4,188	71.8	5,749	6,684	7,490	78.8
305 WEST CHESTER BOROUGH	6,484	8,701	34.2	9,751	10,553	11,101	27.6
310 WEST FALLOWFIELD TOWNSHIP	1,052	1,472	39.9	1,914	2,366	2,842	93.1
315 WEST GOSHEN TOWNSHIP	9,511	12,357	29.9	14,701	15,802	16,456	33.2
320 WEST GROVE BOROUGH	862	1,370	58.9	1,565	1,714	1,834	33.9
325 WEST MARLBOROUGH TOWNSHIP	557	652	17.1	746	866	984	50.9
330 WEST NANTMEAL TOWNSHIP	806	1,356	68.2	1,726	2,218	2,785	105.4
335 WEST NOTTINGHAM TOWNSHIP	956	1,453	52.0	1,821	2,204	2,569	76.8
340 WEST PIKELAND TOWNSHIP	966	1,705	76.5	2,288	2,698	3,021	77.2
345 WEST SADSBURY TOWNSHIP	833	1,361	63.4	1,832	2,308	2,912	114.0
350 WESTTOWN TOWNSHIP	3,873	7,066	82.4	8,347	9,307	10,159	43.8
355 WEST VINCENT TOWNSHIP	1,205	1,806	49.9	2,620	3,266	3,817	111.4
360 WEST WHITELAND TOWNSHIP	5,347	8,949	67.4	11,841	13,423	14,229	59.0
365 WILLISTOWN TOWNSHIP	4,959	6,927	39.7	7,650	8,364	9,002	30.0
TOTAL	165,455	251,320	51.9%	314,750	361,413	398,842	58.7%

Delaware County Vehicle Availability by Municipality

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
5 ALDAN BOROUGH	2,465	2,848	15.5%	3,032	3,131	3,240	13.8%
10 ASTON TOWNSHIP	7,726	9,956	28.9	11,075	11,839	12,550	26.1
15 BETHEL TOWNSHIP	1,337	2,320	73.5	3,072	3,611	3,899	68.1
20 BIRMINGHAM TOWNSHIP	1,406	2,596	84.6	3,903	4,799	5,800	123.4
25 BROOKHAVEN BOROUGH	4,685	6,146	31.2	6,922	7,427	7,768	26.4
30 CHESTER CITY	14,288	13,727	-3.9	13,755	13,416	13,217	-3.7
35 CHESTER TOWNSHIP	2,335	2,433	4.2	2,607	2,687	2,696	10.8
38 CHESTER HEIGHTS BOROUGH	706	1,704	141.4	2,491	3,024	3,558	108.8
45 CLIFTON HEIGHTS BOROUGH	3,141	3,393	8.0	3,455	3,441	3,408	0.4
50 COLLINGDALE BOROUGH	4,031	4,717	17.0	4,832	4,816	4,789	1.5
55 COLWYN BOROUGH	1,061	1,262	18.9	1,237	1,247	1,238	-1.9
60 CONCORD TOWNSHIP	3,432	5,065	47.6	6,775	8,129	8,849	74.7
65 DARBY BOROUGH	3,419	4,061	18.8	4,038	3,945	3,832	-5.6
70 DARBY TOWNSHIP	5,050	5,715	13.2	5,692	5,765	5,873	2.8
75 EAST LANSDOWNE BOROUGH	1,128	1,435	27.2	1,463	1,478	1,415	-1.4
80 EDDYSTONE BOROUGH	1,166	1,313	12.6	1,335	1,346	1,333	1.5
85 EDGMONT TOWNSHIP	835	2,074	148.4	2,874	3,370	3,768	81.7
90 FOLCROFT BOROUGH	3,536	4,182	18.3	4,420	4,575	4,696	12.3
95 GLENOLDEN BOROUGH	3,569	4,143	16.1	4,297	4,450	4,527	9.3
100 HAVERFORD TOWNSHIP	26,789	31,588	17.9	31,987	33,409	34,367	8.8

Delaware County Vehicle Availability by Municipality

(Continued)

Municipality	Census Counts			DVRPC Forecasts			Percent Change '90-2020
	1980	1990	Percent Change '80-'90	2000	2010	2020	
105 LANSDOWNE BOROUGH	5,875	6,850	16.6	7,173	7,131	7,256	5.9
110 LOWER CHICHESTER TOWNSHIP	1,568	1,800	14.8	1,786	1,772	1,699	-5.6
115 MARCUS HOOK BOROUGH	981	1,182	20.5	1,101	1,100	1,140	-3.6
120 MARPLE TOWNSHIP	13,444	15,459	15.0	17,014	18,295	19,221	24.3
125 MEDIA BOROUGH	3,150	3,553	12.8	3,713	3,801	3,861	8.7
130 MIDDLETOWN TOWNSHIP	6,307	8,572	35.9	9,792	10,527	11,223	30.9
135 MILLBOURNE BOROUGH	252	325	29.0	312	352	359	10.5
140 MORTON BOROUGH	1,136	1,757	54.7	2,043	2,052	2,124	20.9
145 NETHER PROVIDENCE TWP.	7,161	8,766	22.4	9,988	10,457	10,647	21.5
150 NEWTOWN TOWNSHIP	6,788	8,035	18.4	9,049	9,732	10,450	30.1
155 NORWOOD BOROUGH	3,071	3,537	15.2	3,639	3,704	3,682	4.1
160 PARKSIDE BOROUGH	1,263	1,481	17.3	1,546	1,596	1,648	11.3
165 PROSPECT PARK BOROUGH	3,190	3,811	19.5	4,021	4,147	4,282	12.4
170 RADNOR TOWNSHIP	14,162	17,073	20.6	19,725	20,683	21,472	25.8
177 RIDLEY TOWNSHIP	17,308	19,469	12.5	19,356	20,315	21,228	9.0
180 RIDLEY PARK BOROUGH	4,045	4,720	16.7	5,039	5,305	5,353	13.4
185 ROSE VALLEY BOROUGH	660	757	14.7	893	1,004	1,110	46.6
190 RUTLEDGE BOROUGH	499	542	8.6	547	569	593	9.4
195 SHARON HILL BOROUGH	2,640	3,083	16.8	3,010	3,019	3,016	-2.2

Delaware County Vehicle Availability by Municipality

(Continued)

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1990	2000		2010	2020		
200 SPRINGFIELD TOWNSHIP	14,431	15,952	10.5	16,157	16,934	17,445	9.4
205 SWARTHMORE BOROUGH	2,656	3,260	22.7	3,550	3,653	3,851	18.1
210 THORNBURY TOWNSHIP	1,526	2,189	43.4	3,005	3,247	3,513	60.5
215 TINCUM TOWNSHIP	1,989	2,686	35.0	2,837	2,972	2,971	10.6
220 TRAINER BOROUGH	978	1,239	26.7	1,297	1,301	1,338	8.0
225 UPLAND BOROUGH	1,435	1,547	7.8	1,542	1,540	1,505	-2.7
230 UPPER CHICHESTER TOWNSHIP	7,429	9,725	30.9	11,684	12,554	13,364	37.4
235 UPPER DARBY TOWNSHIP	38,355	44,770	16.7	46,619	47,913	47,622	6.4
240 U PROVIDENCE TOWNSHIP	5,795	7,139	23.2	7,844	8,383	8,969	25.6
245 YEADON BOROUGH	5,424	6,013	10.9	6,324	6,555	6,723	11.8
TOTAL	265,623	315,970	19.0%	= = = = =	339,868	356,518	368,488
							16.6%

Montgomery County Vehicle Availability by Municipality

Municipality	Census Counts		'80-'90 Percent Change	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
5 ABINGTON TOWNSHIP	32,900	36,796	11.8%	38,626	40,107	41,609	13.1%
10 AMBLER BOROUGH	3,409	3,826	12.2	3,960	4,200	4,346	13.6
15 BRIDGEPORT BOROUGH	2,331	2,349	0.8	2,499	2,585	2,656	13.1
20 BRYN ATHYN BOROUGH	456	601	31.8	663	721	710	18.1
25 CHELTENHAM TOWNSHIP	20,141	22,903	13.7	24,267	25,037	26,014	13.6
30 COLLEGEVILLE BOROUGH	1,492	2,356	57.9	2,856	3,181	3,381	43.5
35 CONSHOHOCKEN BOROUGH	3,833	4,605	20.1	4,994	5,163	5,340	16.0
40 DOUGLASS TOWNSHIP	3,115	4,740	52.2	6,089	7,496	9,294	96.1
45 EAST GREENVILLE BOROUGH	1,245	1,999	60.6	2,148	2,212	2,306	15.4
50 EAST NORRITON TOWNSHIP	7,469	9,504	27.2	10,150	11,076	11,088	16.7
55 FRANCONIA TOWNSHIP	3,583	4,983	39.1	6,344	7,327	8,070	62.0
60 GREEN LANE BOROUGH	285	313	9.8	339	394	448	43.1
65 HATBORO BOROUGH	3,905	4,755	21.8	5,076	5,380	5,522	16.1
70 HATFIELD BOROUGH	1,428	1,708	19.6	1,854	2,034	2,086	22.1
75 HATFIELD TOWNSHIP	7,226	10,571	46.3	12,084	12,949	13,594	28.6
80 HORSHAM TOWNSHIP	9,328	15,523	66.4	17,898	19,657	20,979	35.1
85 JENKINTOWN BOROUGH	2,502	2,849	13.9	3,008	3,086	3,186	11.8
90 LANSDALE BOROUGH	8,969	10,333	15.2	10,938	11,592	11,809	14.3
95 LIMERICK TOWNSHIP	2,815	4,873	73.1	10,456	14,585	17,127	251.5
100 LOWER FREDERICK TOWNSHIP	1,404	2,499	78.0	3,118	3,626	4,247	69.9

Montgomery County Vehicle Availability by Municipality

(Continued)

Municipality	Census Counts			Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990	2000		2010	2020		
105 LOWER GWINNED TOWNSHIP	3,600	6,721	86.7		7,697	8,487	8,681	29.2
110 LOWER MERION TOWNSHIP	34,160	39,790	16.5		41,976	44,163	45,636	14.7
115 LOWER MORELAND TOWNSHIP	7,387	8,822	19.4		9,123	9,420	9,589	8.7
120 LOWER POTTSGROVE TOWNSHIP	3,995	5,884	47.3		7,484	8,649	9,426	60.2
125 LOWER PROVIDENCE TOWNSHIP	10,590	12,565	18.6		14,644	16,226	16,599	32.1
130 LOWER Salford TOWNSHIP	3,681	7,100	92.9		9,308	11,145	12,331	73.7
135 MARLBOROUGH TOWNSHIP	1,452	2,193	51.0		2,551	2,839	2,940	34.1
140 MONTGOMERY TOWNSHIP	3,544	8,911	151.4		13,249	14,879	15,121	69.7
145 NARBERTH BOROUGH	2,331	2,771	18.9		2,924	2,994	3,096	11.7
150 NEW HANOVER TOWNSHIP	2,419	4,550	88.1		5,642	6,747	7,602	67.1
155 NORRISTOWN BOROUGH	13,800	15,203	10.2		15,643	16,187	16,477	8.4
160 NORTH WALES BOROUGH	1,818	2,407	32.4		2,614	2,728	2,791	16.0
165 PENNSBURG BOROUGH	1,124	1,500	33.5		1,813	2,082	2,181	45.4
170 PERKIOMEN TOWNSHIP	1,644	2,456	49.4		4,358	5,998	6,918	181.7
175 PLYMOUTH TOWNSHIP	10,202	11,207	9.9		11,637	12,335	12,777	14.0
180 POTTSTOWN BOROUGH	10,538	12,561	19.2		13,191	13,837	14,303	13.9
185 RED HILL BOROUGH	815	1,134	39.1		1,334	1,440	1,541	35.9
190 ROCKLEDGE BOROUGH	1,303	1,637	25.6		1,778	1,860	1,961	19.8
195 ROYERSFORD BOROUGH	2,195	2,843	29.5		3,156	3,348	3,468	22.0

Montgomery County Vehicle Availability by Municipality

(Continued)

Municipality	Census Counts			DVRPC Forecasts			Percent Change '90-2020
	1980	1990	Percent Change '80-'90	2000	2010	2020	
200 Salford Township	1,082	1,607	48.5	1,856	2,046	2,176	35.4
205 Schwenksville Borough	565	842	49.0	931	984	1,068	26.8
210 Skippack Township	2,305	3,448	49.6	4,228	5,045	5,474	58.8
215 Souderton Borough	3,456	3,890	12.6	4,049	4,230	4,380	12.6
220 Springfield Township	11,525	12,579	9.1	13,438	14,052	14,475	15.1
225 Telford Borough	1,310	1,669	27.4	1,808	1,908	1,953	17.0
230 Towamencin Township	6,364	9,656	51.7	12,942	15,151	15,636	61.9
235 Trappe Borough	1,038	1,584	52.6	2,219	2,811	3,090	95.1
240 Upper Dublin Township	12,894	16,612	28.8	17,838	18,546	18,874	13.6
245 Upper Frederick Township	935	1,502	60.6	2,551	2,899	3,188	112.3
250 Upper Gwynedd Township	5,319	8,442	58.7	10,158	10,873	11,165	32.3
255 Upper Hanover Township	2,057	3,291	60.0	4,224	5,553	6,403	94.6
260 Upper Merion Township	15,738	19,086	21.3	20,905	22,368	23,192	21.5
265 Upper Moreland Township	15,241	17,654	15.8	18,396	19,062	20,051	13.6
270 Upper Pottsgrove Township	1,479	2,418	63.5	3,037	4,007	4,577	89.3
275 Upper Providence Township	4,859	6,527	34.3	9,242	11,762	13,490	106.7
280 Upper Salford Township	1,223	1,906	55.8	2,267	2,653	2,899	52.1
285 West Conshohocken Borough	609	753	23.6	1,210	1,434	1,504	99.7
290 West Norriton Township	7,614	11,074	45.4	12,295	12,991	12,854	16.1

Montgomery County Vehicle Availability by Municipality

(Continued)

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
295 WEST POTTSGROVE TOWNSHIP	2,141	2,369	10.6	2,463	2,503	2,526	6.6
300 WHITEMARSH TOWNSHIP	8,793	10,625	20.8	11,824	12,669	13,073	23.0
305 WHITPAIN TOWNSHIP	6,996	11,213	60.3	12,616	13,580	14,254	27.1
310 WORCESTER TOWNSHIP	3,010	3,422	13.7	4,462	5,495	7,727	125.8
TOTAL	350,987	450,510	28.4%	512,448	560,394	591,279	31.2%

Philadelphia County Vehicle Availability by Planning Area

Planning Area	County	Census Counts		'80-'90 Percent Change	DVRPC Forecasts			Percent Change '90-2020
		1980	1990		2000	2010	2020	
1 CENTER CITY PHILA.		12,773	14,154	10.8%	15,234	16,510	17,466	23.4%
2 SOUTH PHILA.		43,853	45,710	4.2	46,261	46,896	47,336	3.6
3 SOUTHWEST PHILA.		22,876	23,359	2.1	24,605	25,121	25,538	9.3
4 WEST PHILA.		62,083	59,777	-3.7	60,987	61,753	62,095	3.9
5 LOWER NORTH PHILA.		25,884	26,149	1.0	25,620	25,087	24,432	-6.6
6 UPPER NORTH PHILA.		20,239	19,211	-5.1	19,335	19,079	18,411	-4.2
7 KENSINGTON		27,147	29,125	7.3	29,773	30,262	30,505	4.7
8 ROXBOROUGH-MANAYUNK		19,711	22,511	14.2	24,040	25,261	26,252	16.6
9 GERMANTOWN-CHESTNUT HILL		39,632	40,656	2.6	42,629	44,467	45,040	10.8
10 OLNEY-OAK LANE		59,289	60,087	1.3	62,172	63,442	64,267	7.0
11 NEAR NORTHEAST PHILA.		100,366	106,950	6.6	112,000	116,334	119,455	11.7
12 FAR NORTHEAST PHILA.		75,598	85,522	13.1	91,320	96,379	101,269	18.4
TOTAL		509,451	533,211	4.7%	553,926	570,591	582,066	9.2%

Burlington County Vehicle Availability by Municipality

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
5 BASS RIVER TOWNSHIP	661	1,031	56.0%	1,206	1,299	1,388	34.6%
10 BEVERLY CITY	1,240	1,676	35.2	1,892	1,937	1,972	17.7
15 BORDENTOWN CITY	2,103	2,778	32.1	3,015	3,133	3,084	11.0
20 BORDENTOWN TOWNSHIP	3,933	5,333	35.6	7,157	8,082	8,692	63.0
25 BURLINGTON CITY	4,949	5,527	11.7	5,881	6,201	6,368	15.2
30 BURLINGTON TOWNSHIP	5,959	7,701	29.2	10,432	12,081	12,940	68.0
35 CHESTERFIELD TOWNSHIP	1,294	2,177	68.2	2,800	3,474	4,324	98.6
40 CINNAMON TOWNSHIP	9,129	10,211	11.9	11,755	12,605	12,674	24.1
45 DELANCO TOWNSHIP	1,990	2,141	7.6	2,495	2,731	2,834	32.4
50 DELRAN TOWNSHIP	8,006	8,763	9.5	11,232	12,917	13,569	54.8
55 EAST AMPTON TOWNSHIP	2,354	3,432	45.8	4,756	6,281	8,277	141.2
60 EDGEWATER PARK TOWNSHIP	5,221	5,810	11.3	6,726	7,311	7,452	28.3
65 EYESHAM TOWNSHIP	11,923	24,064	101.8	30,861	35,191	38,849	61.4
70 FELDSBORO BOROUGH	284	359	26.4	356	368	384	7.0
75 FLORENCE TOWNSHIP	4,791	6,217	29.8	7,745	9,287	10,777	73.3
80 HAINESPORT TOWNSHIP	1,708	2,142	25.4	2,820	3,113	3,354	56.6
90 LUMBERTON TOWNSHIP	2,958	4,546	53.7	6,009	6,768	7,340	61.5
95 MANSFIELD TOWNSHIP	1,356	2,703	99.3	3,940	5,424	7,144	164.3
100 MAPLE SHADE TOWNSHIP	11,767	12,990	10.4	14,317	15,739	16,065	23.7
105 MEDFORD TOWNSHIP	9,625	14,134	46.8	18,560	22,944	25,148	77.9
110 MEDFORD LAKES BOROUGH	2,974	3,316	11.5	3,689	3,947	4,182	26.1

Burlington County Vehicle Availability by Municipality

(Continued)

Municipality	Census Counts			DVRPC Forecasts			Percent Change '90-2020
	1980	1990	Percent Change '80-'90	2000	2010	2020	
115 <i>MOORESTOWN TOWNSHIP</i>	9,169	11,202	22.2	12,856	14,397	14,894	33.0
120 <i> MOUNT HOLLY TOWNSHIP</i>	5,063	5,555	9.7	6,060	6,273	6,259	12.7
125 <i> MOUNT LAUREL TOWNSHIP</i>	9,897	21,831	120.6	26,344	29,803	33,575	53.8
130 <i> NEW HANOVER TOWNSHIP</i>	1,271	1,323	4.1	1,176	1,181	1,131	-14.5
135 <i> NORTH HANOVER TOWNSHIP</i>	4,017	5,566	38.6	6,592	7,492	8,283	48.8
140 <i> PALMYRA BOROUGH</i>	3,844	4,671	21.5	4,882	5,316	5,268	12.8
145 <i> PEMBERTON BOROUGH</i>	588	820	39.5	900	1,086	1,200	46.3
150 <i> PEMBERTON TOWNSHIP</i>	13,696	18,774	37.1	21,849	23,512	25,346	35.0
155 <i> RIVERSIDE TOWNSHIP</i>	3,932	4,772	21.4	4,977	5,413	5,493	15.1
160 <i> RIVERTON BOROUGH</i>	1,743	1,818	4.3	1,686	1,675	1,674	-7.9
165 <i> SHAMONG TOWNSHIP</i>	2,203	3,861	75.3	4,495	5,219	5,529	43.2
170 <i> SOUTHAMPTON TOWNSHIP</i>	4,898	7,243	47.9	8,539	9,421	9,971	37.7
175 <i> SPRINGFIELD TOWNSHIP</i>	1,397	2,115	51.4	3,200	4,037	4,631	119.0
180 <i> TABERNACLE TOWNSHIP</i>	3,115	5,099	63.7	6,069	6,719	6,970	36.7
185 <i> WASHINGTON TOWNSHIP</i>	373	555	48.8	667	754	801	44.3
190 <i> WESTAMPTON TOWNSHIP</i>	1,939	4,158	114.4	5,598	6,810	7,718	85.6
192 <i> WILLINGBORO TOWNSHIP</i>	19,776	22,450	13.5	25,634	26,970	26,135	16.4
195 <i> WOODLAND TOWNSHIP</i>	574	899	56.6	1,014	1,141	1,232	37.0
200 <i> WRIGHTSTOWN BOROUGH</i>	1,195	1,581	32.3	1,536	1,579	1,538	-2.7
TOTAL	182,915	251,344	37.4%	= = = = =	= = = = =	= = = = =	= = = = =
				301,718	339,631	364,465	45.0%

Prepared by the Delaware Valley Regional Planning Commission

Camden County Vehicle Availability by Municipality

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
5 AUDUBON BOROUGH	5,045	5,797	14.9%	6,561	7,011	7,189	24.0%
10 AUDUBON PARK BOROUGH	573	713	24.4	726	772	817	14.6
15 BARRINGTON BOROUGH	4,123	4,555	10.5	4,759	4,970	5,101	12.0
20 BELLMAWR BOROUGH	6,915	7,570	9.5	8,082	8,622	9,183	21.3
25 BERLIN BOROUGH	3,151	3,493	10.9	4,789	5,841	7,010	100.7
30 BERLIN TOWNSHIP	2,589	3,252	25.6	3,862	4,100	4,300	32.2
35 BROOKLAWN BOROUGH	1,116	1,043	-6.5	1,341	1,562	1,646	57.8
40 CAMDEN CITY	20,475	21,722	6.1	23,354	25,211	26,597	22.4
43 CHERRY HILL TOWNSHIP	39,409	47,106	19.5	51,909	56,917	60,514	28.5
45 CHESILHURST BOROUGH	657	812	23.6	1,325	1,653	2,016	148.3
50 CLEMENTON BOROUGH	2,781	3,436	23.6	3,999	4,420	4,927	43.4
55 COLLINGWOOD BOROUGH	7,553	8,882	17.6	9,934	10,684	11,475	29.2
65 GIBBSBORO BOROUGH	1,321	1,582	19.8	1,705	1,724	1,781	12.6
75 GLOUCESTER TOWNSHIP	23,394	32,830	40.3	40,536	47,871	51,853	57.9
77 GLOUCESTER CITY	5,018	6,294	25.4	6,993	7,411	7,729	22.8
80 HADDON TOWNSHIP	8,510	9,587	12.7	10,457	10,703	11,528	20.2
85 HADDONFIELD BOROUGH	6,958	7,912	13.7	8,586	8,922	9,377	18.5
90 HADDON HEIGHTS BOROUGH	4,685	5,189	10.8	5,534	5,946	6,300	21.4
95 HI-NELLA BOROUGH	568	623	9.7	620	645	687	10.3
100 LAUREL SPRINGS BOROUGH	1,156	1,402	21.3	1,685	1,785	1,905	35.9

Camden County Vehicle Availability by Municipality

(Continued)

Municipality	Census Counts			Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990	2000		2010	2020		
105 LAWNSIDE BOROUGH	1,521	1,627	7.0		1,741	1,815	1,857	14.1
110 LINDENWOLD BOROUGH	9,854	11,556	17.3		14,051	15,266	16,493	42.7
115 MAGNOLIA BOROUGH	2,556	2,979	16.5		3,446	3,758	3,924	31.7
120 MERCHANTVILLE BOROUGH	2,044	2,475	21.1		2,736	2,934	3,246	31.2
125 MOUNT EPHRAIM BOROUGH	2,641	2,808	6.3		3,095	3,098	3,298	17.5
130 OAKLYN BOROUGH	2,154	3,038	41.0		3,400	3,636	3,859	27.0
135 PENNSAUKEN TOWNSHIP	16,995	20,373	19.9		22,651	24,605	25,391	24.6
140 PINE HILL BOROUGH	4,404	6,069	37.4		7,591	7,877	8,419	39.1
150 RUNNEMEDE BOROUGH	4,814	5,574	15.8		6,202	6,565	6,964	24.9
155 SOMERDALE BOROUGH	2,979	3,509	17.8		3,829	4,134	4,365	24.4
160 STRATFORD BOROUGH	3,925	4,680	19.2		5,484	6,060	6,371	36.1
165 TAVERSTOCK BOROUGH	---	20	---		21	22	23	15.0
170 VOORHEES TOWNSHIP	7,505	16,358	118.0		22,458	28,528	32,257	97.2
175 WATERFORD TOWNSHIP	3,757	6,761	80.0		10,493	13,365	15,269	125.8
180 WINSLOW TOWNSHIP	9,197	17,559	90.9		24,094	29,709	34,840	98.4
185 WOODLYNN BOROUGH	1,037	1,273	22.8		1,368	1,396	1,405	10.4
TOTAL	221,380	280,459	26.7%		329,417	369,538	399,916	42.6%

Gloucester County Vehicle Availability by Municipality

Municipality	Census Counts			Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990	2000		2010	2020		
5 CLAYTON BOROUGH	2,834	3,585	26.5%		4,339	5,099	5,372	49.8%
10 DEPTFORD TOWNSHIP	11,158	15,510	39.0		19,879	24,266	27,488	77.2
15 EAST GREENWICH TOWNSHIP	2,106	3,466	64.6		4,832	6,195	8,033	131.8
20 ELK TOWNSHIP	1,508	2,320	53.8		3,506	5,382	7,447	221.0
25 FRANKLIN TOWNSHIP	5,808	9,084	56.4		12,379	14,225	16,414	80.7
30 GLASSBORO BOROUGH	6,806	8,262	21.4		9,904	11,356	11,980	45.0
35 GREENWICH TOWNSHIP	2,786	3,283	17.8		3,880	4,237	4,488	36.7
40 HARRISON TOWNSHIP	1,860	3,296	77.2		4,661	7,037	8,619	161.5
45 LOGAN TOWNSHIP	1,579	3,131	98.3		4,964	7,277	9,483	202.9
50 MANTUA TOWNSHIP	4,587	6,702	46.1		8,391	10,097	11,059	65.0
55 MONROE TOWNSHIP	10,441	16,345	56.5		21,963	24,297	26,728	63.5
60 NATIONAL PARK BOROUGH	1,469	1,990	35.5		2,234	2,304	2,409	21.1
65 NEWFIELD BOROUGH	792	1,042	31.6		1,538	1,814	2,084	100.0
70 PAULSBORO BOROUGH	3,039	3,196	5.2		3,478	3,732	3,990	24.8
75 PITMAN BOROUGH	4,856	5,853	20.5		6,376	6,737	6,880	17.5
80 SOUTH HARRISON TOWNSHIP	776	1,329	71.3		1,602	1,927	2,092	57.4
85 SWEDESBORO BOROUGH	929	1,220	31.3		1,561	1,733	1,967	61.2
90 WASHINGTON TOWNSHIP	14,156	26,525	87.4		34,470	41,357	44,428	67.5
95 WENONAH BOROUGH	1,334	1,655	24.1		1,853	1,952	1,985	19.9
100 WEST DEPTFORD TOWNSHIP	10,151	12,733	25.4		15,584	17,244	20,493	60.9

Gloucester County Vehicle Availability by Municipality

(Continued)

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
105 WESTVILLE BOROUGH	2,304	2,711	17.7	2,942	3,069	3,176	17.2
110 WOODBURY CITY	4,975	5,664	13.8	6,643	7,162	7,452	31.6
115 WOODBURY HEIGHTS BOROUGH	1,843	2,207	19.8	2,445	2,582	2,695	22.1
120 WOOLWICH TOWNSHIP	576	1,020	77.1	1,537	3,321	4,409	332.3
TOTAL	98,673	142,129	44.0%	180,961	214,402	241,171	69.7%

Mercer County Vehicle Availability by Municipality

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
5 EAST WINDSOR TOWNSHIP	11,276	14,794	31.2%	19,186	22,243	24,705	67.0%
10 EWING TOWNSHIP	18,525	21,364	15.3	23,597	25,879	26,437	23.7
15 HAMILTON TOWNSHIP	46,148	57,853	25.4	63,892	69,542	71,721	24.0
20 HIGHTSTOWN BOROUGH	2,314	3,245	40.2	3,672	4,125	4,295	32.4
25 HOPEWELL BOROUGH	1,176	1,405	19.5	1,565	1,780	1,835	30.6
30 HOPEWELL TOWNSHIP	6,724	8,454	25.7	11,379	13,815	15,962	88.8
35 LAWRENCE TOWNSHIP	10,186	16,927	66.2	21,554	24,770	28,831	70.3
40 PENNINGTON BOROUGH	1,316	1,787	35.8	2,004	2,137	2,328	30.3
45 PRINCETON BOROUGH	3,777	4,368	15.6	4,639	4,951	5,034	15.2
50 PRINCETON TOWNSHIP	7,830	8,778	12.1	9,797	11,236	11,628	32.5
55 TRENTON CITY	30,311	33,151	9.4	35,614	38,972	40,850	23.2
60 WASHINGTON TOWNSHIP	2,168	4,561	110.4	7,164	8,342	11,476	151.6
65 WEST WINDSOR TOWNSHIP	4,928	10,818	119.5	16,175	19,576	24,237	124.0
TOTAL	146,679	187,505	27.8%	220,238	247,368	269,339	43.6%

APPENDIX C (C-1 TO C-25)
EMPLOYED RESIDENTS
BY MUNICIPALITY

Bucks County Employed Residents by Municipality

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
5 BEDMINSTER TOWNSHIP	1,744	2,463	41.2%	2,873	3,307	3,839	55.9%
10 BENSEALEM TOWNSHIP	24,480	29,962	22.4	34,114	37,356	38,274	27.7
15 BRIDGETON TOWNSHIP	564	712	26.2	783	824	913	28.2
20 BRISTOL BOROUGH	4,495	4,766	6.0	4,911	5,197	5,321	11.6
25 BRISTOL TOWNSHIP	26,828	28,602	6.6	28,730	30,846	30,949	8.2
30 BUCKINGHAM TOWNSHIP	4,039	4,932	22.1	5,589	6,200	7,696	56.0
35 CHALFFONT BOROUGH	1,415	1,758	24.2	2,009	2,371	2,573	46.4
40 DOYLESTOWN BOROUGH	4,029	4,279	6.2	4,859	5,120	5,198	21.5
45 DOYLESTOWN TOWNSHIP	5,080	6,723	32.3	9,729	12,592	12,891	91.7
50 DUBLIN BOROUGH	860	1,160	34.9	1,280	1,432	1,517	30.8
55 DURHAM TOWNSHIP	394	624	58.4	741	847	960	53.8
60 EAST ROCKHILL TOWNSHIP	1,393	2,095	50.4	2,639	3,323	3,775	80.2
65 FALLS TOWNSHIP	16,862	18,438	9.3	18,201	18,649	19,358	5.0
70 HAYCOCK TOWNSHIP	770	1,164	51.2	1,441	1,585	1,660	42.6
75 HILLCOTT TOWNSHIP	4,403	5,695	29.3	6,746	8,015	9,673	69.9
80 HULMEVILLE BOROUGH	475	498	4.8	498	490	501	0.6
85 IVYLAND BOROUGH	319	272	-14.7	279	307	293	7.7
90 LANGHORNE BOROUGH	765	738	-3.5	784	737	718	-2.7
95 LANGHORNE MANOR BOROUGH	576	447	-22.4	433	414	399	-10.7
100 LOWER MAKEFIELD TOWNSHIP	8,044	13,556	68.5	16,767	19,380	20,920	54.3

Bucks County Employed Residents by Municipality

(Continued)

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
105 LOWER SOUTHAMPTON TOWNSHIP	8,776	10,781	22.8	12,009	12,824	13,285	23.2
110 MIDDLETOWN TOWNSHIP	17,284	22,272	28.9	26,084	27,715	29,239	31.3
115 MILFORD TOWNSHIP	2,761	3,803	37.7	4,788	5,915	6,997	84.0
120 MORRISVILLE BOROUGH	4,490	5,316	18.4	5,686	5,973	6,114	15.0
125 NEW BRITAIN BOROUGH	1,301	1,168	-10.2	1,657	1,584	1,527	30.7
130 NEW BRITAIN TOWNSHIP	3,704	5,089	37.4	6,535	8,788	11,342	122.9
135 NEW HOPE BOROUGH	986	964	-2.2	1,073	1,140	1,222	26.8
140 NEWTOWN BOROUGH	1,229	1,319	7.3	1,463	1,487	1,482	12.4
145 NEWTOWN TOWNSHIP	2,279	7,894	246.4	11,913	15,373	15,807	100.2
150 NOCKAMIXON TOWNSHIP	1,223	1,751	43.2	2,094	2,578	2,949	68.4
155 NORTHAMPTON TOWNSHIP	11,838	18,853	59.3	25,145	26,691	28,014	48.6
160 PENNDEL BOROUGH	1,327	1,460	10.0	1,439	1,530	1,577	8.0
165 PERKASIE BOROUGH	2,603	4,075	56.6	5,701	5,830	5,864	43.9
170 PLUMSTEAD TOWNSHIP	2,438	3,194	31.0	3,885	4,518	4,927	54.3
175 QUAKERTOWN BOROUGH	4,036	4,426	9.7	4,924	5,281	5,357	21.0
182 RICHLAND TOWNSHIP	3,028	4,376	44.5	5,655	7,103	8,306	89.8
185 RICHLANDTOWN BOROUGH	495	550	11.1	613	611	615	11.8
190 RIEGELSVILLE BOROUGH	423	462	9.2	503	527	552	19.5
195 SELLERSVILLE BOROUGH	1,631	2,460	50.8	3,332	3,548	3,544	44.1

Bucks County Employed Residents by Municipality

(Continued)

Municipality	Census Counts			DVRPC Forecasts			Percent Change '90-2020
	1980	1990	'80-'90 Change	2000	2010	2020	
200 SILVERDALE BOROUGH	257	475	84.8	656	749	879	85.1
205 SOLEBURY TOWNSHIP	2,434	3,259	33.9	4,134	4,646	5,130	57.4
210 SPRINGFIELD TOWNSHIP	2,147	2,609	21.5	3,024	3,243	3,534	35.5
215 TELFORD BOROUGH	406	808	99.0	1,198	1,300	1,404	73.8
220 TINCUM TOWNSHIP	1,468	2,280	55.3	2,873	3,562	4,086	79.2
225 TRUMBAUERSVILLE BOROUGH	372	460	23.7	548	598	658	43.0
230 TULLYTOWN BOROUGH	1,100	1,275	15.9	1,443	1,498	1,604	25.8
235 UPPER MAKEFIELD TOWNSHIP	1,974	3,052	54.6	3,979	4,911	5,934	94.4
240 UPPER SOUTHAMPTON TOWNSHIP	7,550	8,532	13.0	9,110	9,742	10,285	20.5
245 WARMINSTER TOWNSHIP	17,303	18,423	6.5	18,324	18,357	18,521	0.5
250 WARRINGTON TOWNSHIP	5,307	6,745	27.1	8,411	9,956	10,940	62.2
255 WARWICK TOWNSHIP	1,183	3,150	166.3	5,473	6,521	7,210	128.9
260 WEST ROCKHILL TOWNSHIP	1,757	2,236	27.3	2,621	3,064	3,534	58.1
265 WRIGHTSTOWN TOWNSHIP	1,105	1,319	19.4	1,666	1,750	1,767	34.0
270 YARDLEY BOROUGH	1,294	1,264	-2.3	1,338	1,391	1,388	9.8
TOTAL	225,044	284,984	26.6%	332,703	369,296	393,022	37.9%

Chester County Employed Residents by Municipality

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts				Percent Change '90-2020
	1980	1990		2000	2010	2020		
5 ATGLEN BOROUGH	335	415	23.9%	507	536	555	33.7%	
10 AVONDALE BOROUGH	425	503	18.4	579	641	679	35.0	
15 BIRMINGHAM TOWNSHIP	646	1,289	99.5	1,589	1,745	1,873	45.3	
20 CALN TOWNSHIP	4,199	6,013	43.2	6,976	7,843	8,804	46.4	
25 CHARLESTOWN TOWNSHIP	1,359	1,450	6.7	1,555	1,633	1,706	17.7	
30 COATESVILLE CITY	4,090	4,500	10.0	5,148	5,419	5,548	23.3	
35 DOWNTONTOWN BOROUGH	3,917	4,289	9.5	4,712	4,988	5,262	22.7	
40 EAST BRADFORD TOWNSHIP	1,514	3,432	126.7	5,343	6,765	7,571	120.6	
45 EAST BRANDYWINE TOWNSHIP	2,227	2,787	25.1	3,542	4,232	4,745	70.3	
50 EAST CALN TOWNSHIP	1,002	1,483	48.0	1,923	2,296	2,568	73.2	
55 EAST COVENTRY TOWNSHIP	1,873	2,240	19.6	2,460	2,760	3,015	34.6	
60 EAST FALLOWFIELD TOWNSHIP	1,646	2,304	40.0	2,908	3,409	3,776	63.9	
65 EAST GOSHEN TOWNSHIP	5,172	8,408	62.6	9,429	9,824	10,664	26.8	
70 EAST MARLBOROUGH TOWNSHIP	1,687	2,591	53.6	2,923	3,459	3,878	49.7	
75 EAST NANTMEAL TOWNSHIP	537	725	35.0	843	1,015	1,245	71.7	
80 EAST NOTTINGHAM TOWNSHIP	1,201	2,044	70.2	2,296	2,907	3,439	68.2	
85 EAST PIKELAND TOWNSHIP	2,316	3,152	36.1	3,438	3,879	4,266	35.3	
90 EASTSTOWN TOWNSHIP	4,225	4,799	13.6	4,903	5,208	5,463	13.8	
95 EAST VINCENT TOWNSHIP	1,679	1,937	15.4	2,264	2,671	2,964	53.0	
100 EAST WHITELAND TOWNSHIP	4,437	4,663	5.1	5,518	5,639	5,919	26.9	

Chester County Employed Residents by Municipality

(Continued)

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
105 ELK TOWNSHIP	354	616	74.0	821	1,050	1,269	106.0
110 EVERSON BOROUGH	325	250	-23.1	446	482	525	110.0
115 FRANKLIN TOWNSHIP	937	1,455	55.3	2,031	2,253	2,519	73.1
120 HIGHLAND TOWNSHIP	575	561	-2.4	606	633	621	10.7
125 HONEY BROOK BOROUGH	504	583	15.7	654	693	707	21.3
130 HONEY BROOK TOWNSHIP	1,698	2,287	34.7	2,927	3,109	3,223	40.9
137 KENNEDY TOWNSHIP	1,867	2,323	24.4	2,538	2,812	3,026	30.3
140 KENNEDY SQUARE BOROUGH	2,290	2,868	25.2	3,244	3,519	3,776	31.7
145 LONDON BRITAIN TOWNSHIP	737	1,457	97.7	2,104	2,951	3,683	152.8
150 LONDONDERRY TOWNSHIP	524	651	24.2	719	816	936	43.8
155 LONDON GROVE TOWNSHIP	1,647	2,091	27.0	3,059	3,827	4,295	105.4
160 LOWER OXFORD TOWNSHIP	1,038	1,507	45.2	1,797	2,138	2,511	66.6
165 MALVERN BOROUGH	1,583	1,818	14.8	2,007	2,187	2,292	26.1
170 MODENA BOROUGH	307	230	-25.1	239	247	221	-3.9
175 NEW GARDEN TOWNSHIP	2,356	3,225	36.9	3,968	4,790	5,444	68.8
180 NEWLIN TOWNSHIP	312	564	80.8	724	839	962	70.6
185 NEW LONDON TOWNSHIP	619	1,395	125.4	2,083	3,037	3,884	178.4
190 NORTH COVENTRY TOWNSHIP	3,644	4,124	13.2	4,599	4,877	5,001	21.3
195 OXFORD BOROUGH	1,478	1,667	12.8	1,943	2,002	2,026	21.5

Chester County Employed Residents by Municipality

(Continued)

Municipality	Census Counts			DVRPC Forecasts			Percent Change '90-2020
	1980	1990	Percent Change '80-'90	2000	2010	2020	
200 PARKESBURG BOROUGH	1,107	1,444	30.4	1,709	1,784	1,829	26.7
207 PENN TOWNSHIP	859	1,127	31.2	1,794	2,206	2,385	111.6
210 PENNSBURG TOWNSHIP	970	1,540	58.8	1,903	2,211	2,434	58.1
215 PHOENIXVILLE BOROUGH	6,612	8,120	22.8	8,833	9,320	10,117	24.6
220 POCOPSON TOWNSHIP	814	1,293	58.8	1,581	1,736	1,835	41.9
225 SADSBURY TOWNSHIP	990	1,315	32.8	1,562	1,909	2,528	92.2
230 SCHUYLKILL TOWNSHIP	2,914	2,859	-1.9	2,799	3,019	3,177	11.1
235 SOUTH COATESVILLE BOROUGH	459	391	-14.8	494	508	550	40.7
240 SOUTH COVENTRY TOWNSHIP	745	918	23.2	983	1,050	1,114	21.4
245 SPRING CITY BOROUGH	1,552	1,892	21.9	2,050	2,155	2,234	18.1
250 THORNBURY TOWNSHIP	497	567	14.1	641	835	924	63.0
255 TREYFFIN TOWNSHIP	11,468	16,127	40.6	16,646	17,607	17,661	9.5
260 UPPER OXFORD TOWNSHIP	629	781	24.2	923	1,032	1,136	45.5
265 UPPER UWCHLAN TOWNSHIP	859	2,278	165.2	3,341	3,753	4,452	95.4
270 UWCHLAN TOWNSHIP	4,110	7,471	81.8	9,338	10,296	10,997	47.2
275 VALLEY TOWNSHIP	1,690	1,897	12.2	2,226	2,492	2,698	42.2
280 WALLACE TOWNSHIP	836	1,267	51.6	1,573	1,746	1,966	55.2
285 WARWICK TOWNSHIP	1,086	1,356	24.9	1,584	1,784	2,094	54.4
290 WEST BRADFORD TOWNSHIP	3,435	5,440	58.4	6,985	7,561	7,779	43.0

Chester County Employed Residents by Municipality

(Continued)

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
295 WEST BRANDYWINE TOWNSHIP	2,040	3,191	56.4	4,196	4,935	5,636	76.6
300 WEST CALN TOWNSHIP	2,264	3,245	43.3	4,050	4,548	5,064	56.1
305 WEST CHESTER BOROUGH	8,242	10,188	23.6	10,942	12,225	13,070	28.3
310 WEST FALLOWFIELD TOWNSHIP	989	1,241	25.5	1,586	1,868	2,168	74.7
315 WEST GOSHEN TOWNSHIP	8,269	10,203	23.4	11,552	11,944	12,191	19.5
320 WEST GROVE BOROUGH	807	1,100	36.3	1,235	1,319	1,395	26.8
325 WEST MARLBOROUGH TOWNSHIP	480	487	1.5	509	552	587	20.5
330 WEST NANTMEAL TOWNSHIP	706	929	31.6	1,072	1,320	1,567	68.7
335 WEST NOTTINGHAM TOWNSHIP	876	1,057	20.7	1,186	1,352	1,513	43.1
340 WEST PIKELAND TOWNSHIP	735	1,159	57.7	1,510	1,658	1,737	49.9
345 WEST SADSBURY TOWNSHIP	763	1,051	37.7	1,315	1,591	1,915	82.2
350 WESTTOWN TOWNSHIP	3,169	5,131	61.9	5,635	5,789	6,139	19.6
355 WEST VINCENT TOWNSHIP	913	1,176	28.8	1,662	1,938	2,215	88.4
360 WEST WHITELAND TOWNSHIP	5,150	7,034	36.6	8,703	9,273	9,652	37.2
365 WILLISTOWN TOWNSHIP	3,991	4,898	22.7	5,237	5,446	5,510	12.5
TOTAL	148,308	198,869	34.1%	232,720	257,893	279,130	40.4%

Delaware County Employed Residents by Municipality

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
5 ALDAN BOROUGH	2,236	2,318	3.7%	2,411	2,443	2,406	3.8%
10 ASTON TOWNSHIP	6,834	8,023	17.4	7,981	8,442	9,101	13.4
15 BETHEL TOWNSHIP	1,071	1,803	68.3	2,105	2,491	2,900	60.8
20 BIRMINGHAM TOWNSHIP	1,028	1,803	75.4	2,286	2,962	3,636	101.7
25 BROOKHAVEN BOROUGH	4,113	4,929	19.8	5,177	5,436	5,531	12.2
30 CHESTER CITY	15,979	15,797	-1.1	17,203	17,138	15,987	1.2
35 CHESTER TOWNSHIP	2,402	2,439	1.5	2,563	2,533	2,444	0.2
38 CHESTER HEIGHTS BOROUGH	651	1,440	121.2	1,969	2,314	2,585	79.5
45 CLIFTON HEIGHTS BOROUGH	3,292	3,352	1.8	3,565	3,465	3,283	-2.1
50 COLLINGDALE BOROUGH	3,983	4,268	7.2	4,355	4,280	4,168	-2.3
55 COLWYN BOROUGH	1,177	1,289	9.5	1,277	1,303	1,271	-1.4
60 CONCORD TOWNSHIP	2,813	3,647	29.6	4,050	4,816	5,357	46.9
65 DARBY BOROUGH	4,280	4,533	5.9	4,725	4,576	4,338	-4.3
70 DARBY TOWNSHIP	5,415	5,108	-5.7	5,036	4,970	4,904	-4.0
75 EAST LANSDOWNE BOROUGH	1,209	1,331	10.1	1,317	1,303	1,244	-6.5
80 EDDYSTONE BOROUGH	984	1,174	19.3	1,174	1,202	1,181	0.6
85 EDGMONT TOWNSHIP	658	1,247	89.5	1,528	1,661	1,681	34.8
90 FOLCROFT BOROUGH	3,715	3,700	-0.4	3,612	3,648	3,680	-0.5
95 GLENOLDEN BOROUGH	3,404	3,723	9.4	3,870	3,972	3,978	6.8
100 HAVERFORD TOWNSHIP	23,582	25,368	7.6	23,907	24,675	24,724	-2.5

Delaware County Employed Residents by Municipality

(Continued)

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
165 LANSDOWNE BOROUGH	5,541	6,343	14.5	6,623	6,607	6,487	2.3
110 LOWER CHICHESTER TOWNSHIP	1,631	1,716	5.2	1,751	1,675	1,676	-2.3
115 MARCUS HOOK BOROUGH	1,011	1,033	2.2	974	915	847	-18.0
120 MARPLE TOWNSHIP	11,156	11,791	5.7	11,620	12,267	12,933	9.7
125 MEDIA BOROUGH	3,266	3,243	-0.7	3,689	3,496	3,279	1.1
130 MIDDLETOWN TOWNSHIP	5,419	5,961	10.0	6,289	6,274	6,700	12.4
155 MILLBOURNE BOROUGH	311	408	31.2	438	537	526	28.9
140 MORTON BOROUGH	1,151	1,461	26.9	1,664	1,620	1,582	8.3
145 NETHER PROVIDENCE TWP.	5,817	6,550	12.6	6,914	7,051	7,152	9.2
150 NEWTOWN TOWNSHIP	5,254	5,437	3.5	5,333	5,395	5,782	6.3
155 NORWOOD BOROUGH	2,954	3,130	6.0	3,072	3,118	3,055	-2.4
160 PARKSIDE BOROUGH	1,140	1,176	3.2	1,192	1,170	1,193	1.4
165 PROSPECT PARK BOROUGH	3,237	3,385	4.6	3,596	3,613	3,564	5.3
170 RADNOR TOWNSHIP	12,847	13,800	7.4	14,723	14,768	15,099	9.4
177 RIDLEY TOWNSHIP	15,899	15,329	-3.6	13,981	13,977	14,488	-5.5
180 RIDLEY PARK BOROUGH	3,681	3,787	2.9	3,941	4,032	3,945	4.2
185 ROSE VALLEY BOROUGH	454	465	2.4	457	504	579	24.5
190 RUTLEDGE BOROUGH	448	419	-6.5	396	414	427	1.9
195 SHARON HILL BOROUGH	2,639	2,845	7.8	2,732	2,738	2,707	-4.9

Delaware County Employed Residents by Municipality

(Continued)

Municipality	Census Counts			DVRPC Forecasts			Percent Change '90-2020
	1980	1990	'80-'90 Percent Change	2000	2010	2020	
200 SPRINGFIELD TOWNSHIP	11,651	11,637	-0.1	10,724	10,996	11,371	-2.3
205 SWARTHMORE BOROUGH	2,770	3,290	18.8	3,539	3,625	3,621	10.1
210 THORNBURY TOWNSHIP	1,295	1,801	39.1	2,094	2,281	2,535	40.8
215 TINCUM TOWNSHIP	1,873	2,174	16.1	2,219	2,309	2,260	4.0
220 TRAINER BOROUGH	802	997	24.3	1,018	1,013	1,024	2.7
225 UPLAND BOROUGH	1,392	1,409	1.2	1,471	1,429	1,320	-6.3
230 UPPER CHESTER TOWNSHIP	6,639	7,923	19.3	8,487	8,997	9,727	22.8
235 UPPER DARBY TOWNSHIP	38,277	40,646	6.2	42,281	42,827	41,390	1.8
240 U. PROVIDENCE TOWNSHIP	4,847	5,183	6.9	5,183	5,276	5,645	8.9
245 YEADON BOROUGH	5,188	6,129	18.1	6,475	6,608	6,459	5.4
TOTAL	247,416	266,760	7.8%	= = = = =	272,987	279,162	281,772
							5.6%

Montgomery County Employed Residents by Municipality

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
5 ABINGTON TOWNSHIP	27,943	28,604	2.4%	28,691	28,859	29,739	4.0%
10 AMBLER BOROUGH	3,461	3,564	3.0	3,612	3,799	3,867	8.5
15 BRIDGEPORT BOROUGH	2,472	2,118	-14.3	2,193	2,194	2,137	0.9
20 BRYN ATHYN BOROUGH	440	438	-0.5	468	465	449	2.5
25 CHELTENHAM TOWNSHIP	17,221	18,266	6.1	18,712	19,182	19,190	5.1
30 COLLEGEVILLE BOROUGH	1,689	2,362	39.8	3,039	3,194	3,217	36.2
35 CONSHOHOCKEN BOROUGH	3,975	3,997	0.6	4,216	4,247	4,364	9.2
40 DOUGLASS TOWNSHIP	2,817	3,942	39.9	4,769	5,764	6,854	73.9
45 EAST GREENVILLE BOROUGH	1,120	1,620	44.6	1,745	1,817	2,004	23.7
50 EAST NORRITON TOWNSHIP	6,269	7,327	16.9	7,517	8,061	8,070	10.1
55 FRANCONIA TOWNSHIP	3,345	3,871	15.7	4,668	5,096	5,246	35.5
60 GREEN LANE BOROUGH	262	205	-21.8	215	229	244	19.0
65 HATBORO BOROUGH	3,710	3,926	5.8	4,100	4,315	4,429	12.8
70 HATFIELD BOROUGH	1,438	1,609	11.9	1,758	1,940	1,946	20.9
75 HATFIELD TOWNSHIP	7,039	8,705	23.7	9,845	10,076	10,154	16.6
80 HORSHAM TOWNSHIP	8,201	13,099	59.7	14,232	15,182	16,291	24.4
85 JENKINTOWN BOROUGH	2,363	2,357	-0.3	2,396	2,418	2,410	2.2
90 LANSDALE BOROUGH	8,622	9,168	6.3	9,525	9,911	10,121	10.4
95 LIMERICK TOWNSHIP	2,469	3,618	46.5	7,174	9,869	11,530	218.7
100 LOWER FREDERICK TOWNSHIP	1,125	1,820	61.8	2,279	2,614	3,139	72.5

Montgomery County Employed Residents by Municipality

(Continued)

Municipality	Census Counts		Percent Change '80-'90	DVRPPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
105 LOWER GWINNEDD TOWNSHIP	2,901	4,645	60.1	5,039	5,097	4,826	3.9
110 LOWER MERION TOWNSHIP	26,992	29,754	10.2	29,722	30,896	31,296	5.2
115 LOWER MORELAND TOWNSHIP	5,361	5,863	9.4	5,627	5,658	5,749	-1.9
120 LOWER POTTSGROVE TOWNSHIP	3,310	4,535	37.0	5,570	6,391	6,932	52.9
125 LOWER PROVIDENCE TOWNSHIP	9,335	10,264	10.0	11,538	12,139	12,104	17.9
130 LOWER Salford TOWNSHIP	3,276	5,748	75.5	7,105	8,211	8,864	54.2
135 MARLBOROUGH TOWNSHIP	1,335	1,690	26.6	1,842	2,042	2,117	25.3
140 MONTGOMERY TOWNSHIP	2,935	6,849	133.4	9,856	10,321	10,305	50.5
145 NARBERTH BOROUGH	2,250	2,562	13.9	2,650	2,740	2,764	7.9
150 NEW HANOVER TOWNSHIP	2,288	3,177	38.9	3,876	4,538	5,077	59.8
155 NORRISTOWN BOROUGH	15,278	15,752	3.1	15,696	16,518	16,453	4.5
160 NORTH WALES BOROUGH	1,796	2,132	18.7	2,226	2,340	2,344	9.9
165 PENNSBURG BOROUGH	1,106	1,177	6.4	1,364	1,553	1,622	37.8
170 PERKIOMEN TOWNSHIP	1,450	1,792	23.6	2,985	3,933	4,537	153.2
175 PLYMOUTH TOWNSHIP	9,145	8,963	-2.0	8,833	8,971	8,881	-0.9
180 POTTSTOWN BOROUGH	9,807	10,749	9.6	10,811	11,384	11,563	7.6
185 RED HILL BOROUGH	810	925	14.2	1,069	1,071	1,065	15.1
190 ROCKLEDGE BOROUGH	1,220	1,414	15.9	1,522	1,567	1,634	15.6
195 ROYERSFORD BOROUGH	2,107	2,340	11.1	2,525	2,631	2,694	15.1

Montgomery County Employed Residents by Municipality

(Continued)

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
200 Salford Township	893	1,186	32.8	1,345	1,497	1,553	30.9
205 Schwenksville Borough	520	689	32.5	753	783	791	14.8
210 Skippack Township	1,984	2,596	30.8	3,196	3,592	3,739	44.0
215 Souderton Borough	3,538	3,181	-10.1	3,171	3,173	3,105	-2.4
220 Springfield Township	9,830	9,296	-5.4	9,619	9,713	9,720	4.6
225 Telford Borough	1,294	1,450	12.1	1,511	1,551	1,572	8.4
230 Towamencin Township	5,563	7,672	37.9	9,835	10,945	11,467	49.5
235 Trappe Borough	901	1,205	33.7	1,542	1,993	2,096	73.9
240 Upper Dublin Township	10,866	12,927	19.0	13,088	13,181	13,355	3.3
245 Upper Frederick Township	745	981	31.7	1,610	1,793	1,880	91.6
250 Upper Gwynedd Township	4,754	6,741	41.8	7,875	8,373	8,552	26.9
255 Upper Hanover Township	1,857	2,487	33.9	2,985	3,817	4,289	72.5
260 Upper Merion Township	14,490	15,761	8.8	16,533	17,055	17,524	11.2
265 Upper Moreland Township	13,107	14,131	7.8	13,794	14,363	15,194	7.5
270 Upper Pottsgrove Township	1,312	1,746	33.1	2,014	2,663	3,001	71.9
275 U Providence Township	4,304	5,212	21.1	6,922	8,833	10,157	94.9
280 Upper Salford Township	1,060	1,422	34.2	1,586	1,747	2,006	41.1
285 West Conshohocken Borough	674	688	2.1	1,029	1,205	1,274	85.2
290 West Norriton Township	6,634	8,825	33.0	9,565	9,739	9,798	11.0

Montgomery County Employed Residents by Municipality

(Continued)

Municipality	Census Counts		'80-'90 Percent Change	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
295 WEST POTTS GROVE TOWNSHIP	1,985	1,884	-5.1	1,864	1,878	1,887	0.2
300 WHITEMARSH TOWNSHIP	7,473	8,006	7.1	8,434	8,708	8,888	11.0
305 WHITPAIN TOWNSHIP	6,200	8,274	33.5	8,990	9,215	9,850	19.0
310 WORCESTER TOWNSHIP	2,406	2,352	-2.2	2,862	3,161	4,232	79.9
TOTAL	311,073	359,659	15.6%	391,133	416,211	432,158	20.2%

Philadelphia County Employed Residents by Planning Area

County Planning Area	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1990	2000		2010	2020		
1 CENTER CITY PHILA.	26,186	28,611	9.3%	30,239	32,081	32,236	12.7%
2 SOUTH PHILA.	65,161	67,819	4.1	66,561	67,135	67,694	-0.2
3 SOUTHWEST PHILA.	30,532	32,869	7.7	33,119	33,571	34,036	3.6
4 WEST PHILA.	85,844	88,305	2.9	89,808	89,753	89,481	1.3
5 LOWER NORTH PHILA.	41,969	43,638	4.0	42,595	42,029	41,824	-4.2
6 UPPER NORTH PHILA.	31,322	31,576	0.8	31,299	30,634	30,424	-3.6
7 KENSINGTON	35,475	36,453	2.8	36,329	36,616	36,401	-0.1
8 ROXBOROUGH-MANAYUNK	20,145	21,731	7.9	21,609	21,964	22,344	2.8
9 GERMANTOWN-CHESTNUT HILL	46,434	47,617	2.5	47,937	47,758	47,943	0.7
10 OLNEY-OAK LANE	73,019	77,470	6.1	76,817	77,421	77,940	0.6
11 NEAR NORTHEAST PHILA.	102,402	103,834	1.4	103,526	104,203	102,831	-1.0
12 FAR-NORTHEAST PHILA.	70,781	77,464	9.4	77,199	76,967	78,752	1.7
TOTAL	629,270	657,387	4.5%	657,038	660,132	661,906	0.7%

Burlington County Employed Residents by Municipality

Municipality	Census Counts			DVRPC Forecasts			Percent Change '90-2020
	1980	1990	Change '80-'90	2000	2010	2020	
5 BASS RIVER TOWNSHIP	460	714	55.2%	804	905	974	36.4%
10 BEVERLY CITY	1,114	1,326	19.0	1,455	1,480	1,508	13.7
15 BORDENTOWN CITY	2,149	2,444	13.7	2,606	2,713	2,723	11.4
20 BORDENTOWN TOWNSHIP	3,598	4,407	22.5	5,375	6,109	6,502	47.5
25 BURLINGTON CITY	4,391	4,810	9.5	4,957	5,205	5,229	8.7
30 BURLINGTON TOWNSHIP	5,272	6,701	27.1	8,592	9,410	10,108	50.8
35 CHESTERFIELD TOWNSHIP	1,079	1,545	43.2	1,887	2,249	2,702	74.9
40 CINNAMONSON TOWNSHIP	7,661	7,463	-2.6	7,647	8,057	7,891	5.7
45 DELANCO TOWNSHIP	1,686	1,755	4.1	1,740	1,818	1,811	3.2
50 DELRAN TOWNSHIP	7,130	7,059	-1.0	7,305	7,845	7,901	11.9
55 EASTAMPTON TOWNSHIP	2,076	2,815	35.6	3,531	4,574	5,698	102.4
60 EDGEWATER PARK TOWNSHIP	4,793	4,862	1.4	4,906	5,201	5,086	4.6
65 EYESHAM TOWNSHIP	10,477	20,329	94.0	26,502	29,065	30,389	49.5
70 FIELDSBORO BOROUGH	230	268	16.5	243	252	256	-4.5
75 FLORENCE TOWNSHIP	4,336	5,303	22.3	5,901	6,695	7,586	43.1
80 HAINESPORT TOWNSHIP	1,514	1,577	4.2	1,994	2,007	2,052	30.1
90 LUMBERTON TOWNSHIP	2,566	3,650	42.2	4,968	5,536	5,943	62.8
95 MANSFIELD TOWNSHIP	1,170	1,644	40.5	2,191	2,661	2,988	81.8
100 MAPLE SHADE TOWNSHIP	10,521	10,952	4.1	10,933	11,442	11,829	8.0
105 MEDFORD TOWNSHIP	7,652	10,410	36.0	12,927	15,758	16,884	62.2

Burlington County Employed Residents by Municipality

(Continued)

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
110 MEDFORD LAKES BOROUGH	2,335	2,610	11.8	2,593	2,681	2,835	8.6
115 MOORESTOWN TOWNSHIP	6,809	8,102	19.0	8,822	9,737	9,932	22.6
120 MOUNT HOLLY TOWNSHIP	4,593	4,793	4.4	5,008	5,021	4,943	3.1
125 MOUNT LAUREL TOWNSHIP	8,267	17,639	113.4	19,776	21,800	23,467	33.0
130 NEW HANOVER TOWNSHIP	12,009	7,524	-37.3	6,671	6,281	6,449	-14.3
135 NORTH HANOVER TOWNSHIP	3,838	4,919	28.2	5,721	6,457	7,034	43.0
140 PALMYRA BOROUGH	3,486	3,809	9.3	3,883	4,101	4,050	6.3
145 PEMBERTON BOROUGH	551	714	29.6	755	884	967	35.4
150 PEMBERTON TOWNSHIP	12,017	15,585	29.7	17,638	18,832	19,697	26.4
155 RIVERSIDE TOWNSHIP	3,699	3,894	5.3	3,927	4,207	4,213	8.2
160 RIVERTON BOROUGH	1,479	1,489	0.7	1,301	1,282	1,273	-14.5
165 SHAMONG TOWNSHIP	1,925	2,884	49.8	3,973	4,276	4,287	48.6
170 SOUTHAMPTON TOWNSHIP	3,073	3,908	27.2	4,792	5,470	5,460	39.7
175 SPRINGFIELD TOWNSHIP	1,202	1,625	35.2	2,149	2,669	2,940	80.9
180 TABERNACLE TOWNSHIP	2,597	3,986	53.5	4,606	5,036	5,211	30.7
185 WASHINGTON TOWNSHIP	322	330	2.5	391	414	421	27.6
190 WEST AMPTON TOWNSHIP	1,696	3,364	98.3	4,507	5,471	6,221	84.9
192 WILLINGBORO TOWNSHIP	17,912	19,676	9.8	19,888	20,167	19,943	1.4
195 WOODLAND TOWNSHIP	478	615	28.7	637	700	817	32.8
200 WRIGHTSTOWN BOROUGH	1,226	1,878	53.2	2,027	2,129	2,306	22.8
TOTAL	169,389	209,378	23.6%	=	=	=	=
				235,529	256,597	268,526	28.2%

Prepared by the Delaware Valley Regional Planning Commission

Camden County Employed Residents by Municipality

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
5 AUDUBON BOROUGH	4,144	4,759	14.8%	4,876	5,034	5,068	6.5%
10 AUDUBON PARK BOROUGH	508	521	2.6	498	507	499	-4.2
15 BARRINGTON BOROUGH	3,558	3,481	-2.2	3,419	3,319	3,275	-5.9
20 BELLMAWR BOROUGH	6,187	6,513	5.3	6,306	6,491	6,678	2.5
25 BERLIN BOROUGH	2,531	2,772	9.5	3,310	3,769	4,024	45.2
30 BERLIN TOWNSHIP	2,121	2,682	26.4	2,848	3,050	3,151	17.5
35 BROOKLAWN BOROUGH	869	898	3.3	899	985	1,018	13.4
40 CAMDEN CITY	23,678	27,404	15.7	27,628	29,962	31,471	14.8
43 CHERRY HILL TOWNSHIP	32,072	35,965	12.1	37,255	38,374	39,243	9.1
45 CHESILHURST BOROUGH	560	604	7.9	656	749	769	27.3
50 CLEMENTON BOROUGH	2,541	2,837	11.6	2,936	3,073	3,292	16.0
55 COLLINGWOOD BOROUGH	7,197	8,142	13.1	8,328	8,609	8,874	9.0
65 GIBBSBORO BOROUGH	1,166	1,307	12.1	1,239	1,254	1,273	-2.6
75 GLOUCESTER TOWNSHIP	20,580	27,711	34.7	32,947	36,345	38,531	39.0
77 GLOUCESTER CITY	5,041	5,788	14.8	5,924	6,346	6,461	11.6
80 HADDON TOWNSHIP	7,176	7,494	4.4	7,443	7,479	7,593	1.3
85 HADDONFIELD BOROUGH	5,527	5,815	5.2	5,733	5,553	5,664	-2.6
90 HADDON HEIGHTS BOROUGH	3,705	3,888	4.9	3,814	3,829	3,887	0.0
95 HI-NELLA BOROUGH	569	556	-2.3	529	531	532	-4.3
100 LAUREL SPRINGS BOROUGH	1,047	1,096	4.7	1,340	1,256	1,223	11.6

Camden County Employed Residents by Municipality

(Continued)

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
105 LAWNSIDE BOROUGH	1,285	1,227	-4.5	1,252	1,229	1,180	-3.8
110 LINDENWOLD BOROUGH	9,485	10,775	13.6	12,310	12,690	13,056	21.2
115 MAGNOLIA BOROUGH	2,420	2,725	12.6	2,900	3,017	3,053	12.0
120 MERCHANTVILLE BOROUGH	1,805	2,005	11.1	2,038	2,261	2,259	12.7
125 MOUNT EPHRAIM BOROUGH	2,212	2,232	0.9	2,300	2,227	2,266	1.5
130 OAKLYN BOROUGH	1,901	2,180	14.7	2,374	2,402	2,427	11.3
135 PENNSAUKEN TOWNSHIP	15,238	16,935	11.1	17,863	18,784	18,537	9.5
140 PINE HILL BOROUGH	3,812	5,046	32.4	5,775	6,114	6,748	33.7
150 RUNNEMEDE BOROUGH	4,034	4,527	12.2	4,618	4,857	5,003	10.5
155 SOMERDALE BOROUGH	2,748	2,779	1.1	2,847	2,952	3,064	10.3
160 STRATFORD BOROUGH	3,754	3,970	5.8	4,177	4,286	4,343	9.4
165 TAVERSTOCK BOROUGH	0	13	---	13	15	14	7.7
170 VOORHEES TOWNSHIP	6,686	13,515	102.1	17,764	21,406	23,648	75.0
175 WATERFORD TOWNSHIP	3,134	5,694	81.7	7,946	10,268	11,519	102.3
180 WINSLOW TOWNSHIP	7,765	14,461	86.2	18,791	22,576	26,186	81.1
185 WOODLYNNE BOROUGH	1,039	1,209	16.4	1,214	1,263	1,237	2.3
TOTAL	198,095	239,526	20.9%	= = = = =			
				262,110	282,862	297,066	24.0%

Gloucester County Employed Residents by Municipality

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
5 CLAYTON BOROUGH	2,262	2,812	24.3%	3,114	3,582	3,851	36.9%
10 DEPTFORD TOWNSHIP	10,151	12,296	21.1	14,215	16,651	18,141	47.5
15 EAST GREENWICH TOWNSHIP	1,685	2,407	42.8	2,997	3,656	4,431	84.1
20 ELK TOWNSHIP	1,117	1,777	59.1	2,415	3,673	4,904	176.0
25 FRANKLIN TOWNSHIP	4,941	6,860	38.8	8,671	9,793	10,967	59.9
30 GLASSBORO BOROUGH	6,274	7,422	18.3	8,088	8,623	9,215	24.2
35 GREENWICH TOWNSHIP	2,513	2,406	-4.3	2,552	2,475	2,650	10.1
40 HARRISON TOWNSHIP	1,571	2,400	52.8	3,168	4,542	5,354	123.1
45 LOGAN TOWNSHIP	1,397	2,538	81.7	3,907	5,435	6,694	163.8
50 MANTUA TOWNSHIP	3,885	5,114	31.6	6,025	6,979	7,878	54.0
55 MONROE TOWNSHIP	9,022	12,779	41.6	15,873	16,886	17,923	40.3
60 NATIONAL PARK BOROUGH	1,183	1,481	25.2	1,621	1,602	1,677	13.2
65 NEWFIELD BOROUGH	717	819	14.2	1,071	1,191	1,330	62.4
70 PAULSBORO BOROUGH	2,731	2,489	-8.9	2,545	2,631	2,770	11.3
75 PITMAN BOROUGH	4,201	4,521	7.6	4,608	4,640	4,677	3.5
80 SOUTH HARRISON TOWNSHIP	642	975	51.9	1,349	1,504	1,631	67.3
85 SWEDESBORO BOROUGH	834	965	15.7	948	1,005	1,189	23.2
90 WASHINGTON TOWNSHIP	11,865	21,975	85.2	26,887	32,214	34,948	59.0
95 WENONAH BOROUGH	1,034	1,175	13.6	1,228	1,223	1,255	6.8
100 WEST DEPTFORD TOWNSHIP	8,749	10,566	20.8	12,067	12,761	14,266	35.0

Gloucester County Employed Residents by Municipality

(Continued)

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
105 WESTVILLE BOROUGH	2,049	2,154	5.1	2,198	2,184	2,269	5.3
110 WOODBURY CITY	4,224	4,645	10.0	5,071	5,156	5,351	15.2
115 WOODBURY HEIGHTS BOROUGH	1,557	1,657	6.4	1,795	1,733	1,753	5.8
120 WOOLWICH TOWNSHIP	447	731	63.5	976	2,113	2,821	285.9
TOTAL	85,051	112,964	32.8%	133,389	152,252	167,945	48.7%

Mercer County Employed Residents by Municipality

Municipality	Census Counts		Percent Change '80-'90	DVRPC Forecasts			Percent Change '90-2020
	1980	1990		2000	2010	2020	
5 EAST WINDSOR TOWNSHIP	10,396	12,811	23.2%	14,911	16,786	18,409	43.7%
10 EWING TOWNSHIP	17,439	18,174	4.2	18,465	19,683	19,734	8.6
15 HAMILTON TOWNSHIP	41,812	47,228	13.0	49,805	52,062	52,820	11.8
20 HIGHSTOWN BOROUGH	2,278	3,020	32.6	3,240	3,636	3,775	25.0
25 HOPEWELL BOROUGH	1,063	1,153	8.5	1,183	1,310	1,363	18.2
30 HOPEWELL TOWNSHIP	5,453	6,144	12.7	7,614	8,902	9,460	54.0
35 LAWRENCE TOWNSHIP	9,895	14,199	43.5	17,236	18,829	21,435	51.0
40 PENNINGTON BOROUGH	1,045	1,324	26.7	1,503	1,614	1,690	27.6
45 PRINCETON BOROUGH	6,069	6,273	3.4	6,123	6,742	6,597	5.2
50 PRINCETON TOWNSHIP	6,885	6,761	-1.8	7,142	7,438	7,851	16.1
55 TRENTON CITY	34,571	37,715	9.1	38,299	41,248	42,854	13.6
60 WASHINGTON TOWNSHIP	1,753	3,560	103.1	5,251	5,971	7,602	113.5
65 WEST WINDSOR TOWNSHIP	4,296	8,326	93.8	12,242	14,135	16,501	98.2
TOTAL	142,955	166,688	16.6%	= = = = =	183,014	198,356	210,091
							26.0%