

LAND USE IN THE DELAWARE VALLEY 1970 - 1990

ANALYTICAL REPORT NO. 2



Delaware Valley Regional
Planning Commission

July 1994

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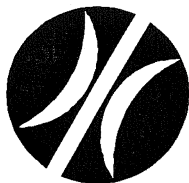
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Created in 1965, the Delaware Valley Regional Planning Commission (DVRPC) is an interstate, intercounty and intercity agency which provides continuing, comprehensive and coordinated planning for the orderly growth and development of the Delaware Valley 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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Bucks, Chester, Delaware, Montgomery, and Philadelphia counties in Pennsylvania; Burlington, Camden, Gloucester, and Mercer counties in New Jersey.

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Land Use, Single family, Multi-family, Manufacturing, Transportation, Utility, Commercial, Community Service, Military, Mining, Agriculture, Recreation, Vacant, Wooded, Water, Residential, Non-Residential Developed, and Undeveloped.

ABSTRACT

This report provides an overview of land use trends from 1970 - 1990 for the nine-county DVRPC region at various levels of geographical detail including regional, county, and Minor Civil Division (MCD). The predominant data sources utilized are the 1970 and 1990 DVRPC land use files. These files are based on information derived from aerial photography.

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EXECUTIVE SUMMARY

This report provides an overview of land use trends from 1970 - 1990 in the Delaware Valley. Land use trends are analyzed at the regional and county level for the 9-County region in four land use grouped categories and at the regional, county and municipal level for fourteen land use categories. The four grouped land use categories were created by clustering the fourteen land use categories that make up DVRPC's land use files. The four land use groups are: Residential (single-family detached and multi-family residential land use); Non-Residential Developed (manufacturing, transportation, utility, commercial, community service, military and mining land uses); Undeveloped (agriculture, recreation, vacant and wooded land uses) and Water.

The Delaware Valley Regional Planning Commission's (DVRPC) 9-county region includes Bucks, Chester, Delaware, Montgomery and Philadelphia counties in Pennsylvania and Burlington, Camden, Gloucester and Mercer counties in New Jersey.

Land use is analyzed at the Minor Civil Division (MCD) level for each of the nine counties in fourteen land use categories. The fourteen categories are single-family residential, multi-family residential, manufacturing, transportation, utility, commercial, community services, military, recreation, agriculture, mining, wooded, vacant and water.

REGIONAL AND COUNTY SUMMARY POINTS

- The four-category grouping shows that in the 9-county region: Residential land area increased 146 square miles over the last twenty years. Since the Region's population did not change significantly from 1970 - 1990, the large residential increase indicated a substantial decrease in population density. Non-Residential Developed land increased 125 square miles. Undeveloped area decreased 299 square miles.
- Of the region's 3,814 square mile area in 1990: 67 percent was Undeveloped, 17 percent was Residential, 14 percent Developed and 2 percent was Water.
- Transportation area (rail, air, marine, highway, street and parking) in the region increased 102 square miles from 180 square miles in 1970, to 283 square miles in 1990. Transportation uses make up 7.4 percent of the region's total area.
- Community Service area (hospitals, government, educational, churches and cemeteries) decreased 24 square miles. Further analysis suggests that this is due to difficulties that occur in distinguishing Community Service structures. Changes in the system of classifying military and wooded areas since 1970 also created difficulties. Community Service areas accounted for 1.1 percent of the region's area in 1990.
- The region lost 215 square miles of Agricultural land since 1970. Agricultural land accounted for 32 percent of the region's area in 1970. In 1990 agricultural land accounted for 26 percent of the region's area.

- Woodland, or forest area, in the region increased 258 square miles over the twenty-year period. This is due to abandoned farm areas or undeveloped vacant areas that have experienced natural succession and are interpreted as Wooded. Wooded land covers 35 percent of the region.
- The region lost 75 percent of its Vacant land during the twenty-year time span. A total of 315 square miles of Vacant land was either developed, became wooded or became agricultural area since 1970.

MCD SUMMARY POINTS: FASTEST GROWING MCDs

Philadelphia and the suburban counties continued to grow and change. Development reached further into rural areas away from Philadelphia. The Municipal Analysis section of this report lists the top 25 municipalities with the largest increases in Residential area and the 25 municipalities with the largest increases in Non-Residential Developed area, and the 25 municipalities with the largest decreases in Agricultural area and the 25 municipalities with the largest decreases in Recreation, Wooded and Vacant area combined.

Each County Profile contains the 1990 Land Use map, municipality boundary map, 1990 Land Use table, 1970 Land Use table and Land Use Change from 1970 - 1990 table for that particular county. Each County Profile also highlights the ten Municipalities with the largest gains in Residential area and Non-Residential Developed area and the largest losses in Agriculture and Recreation, Wooded and Vacant area.

DVRPC LAND USE FILES

Land Use information is a fundamental tool in the planning process. Since 1970, the Delaware Valley Regional Planning Commission (DVRPC) has produced a land use file every 10 years based on information derived from aerial photography for the 9-county region. The DVRPC 9-county region consists of Bucks, Chester, Delaware, Montgomery and Philadelphia counties in Pennsylvania; and Burlington, Camden, Gloucester and Mercer counties in New Jersey (see Figure 1).

Land use information on a regional scale can be derived from two sources; property assessment records or remote sensing imagery. Assessment records are useful because they classify parcel usage and contain information regarding area. However, these records are not uniform among counties, classify an entire parcel even if a substantial portion is not developed in the same use and are not easily mappable in their current forms unless a region wide-parcel map is created. As a result, the DVRPC land use file is based on the interpretation of aerial photographs. This medium allows for the delineation of actual developed areas and the information can be converted to map form. However, as this text will explain, the interpretation can be subject to errors because of the characteristics of our built landscape.

DVRPC produced an extensive land use data file and regional map in the early 1970's. That effort was based on the Department of Housing and Urban Development/Bureau of Public Roads (HUD/PBR) classification system. That system contained 88 land use categories and was modified to a total of 98 categories. These were grouped into 12 major categories. The data was planimetered and tabulated by census block (66,000 aerial units). The resulting file contained over 1,000,000 entries. The data was mapped at the 1 inch = 1 mile scale, necessitating the generalization of original data in mappable size units.

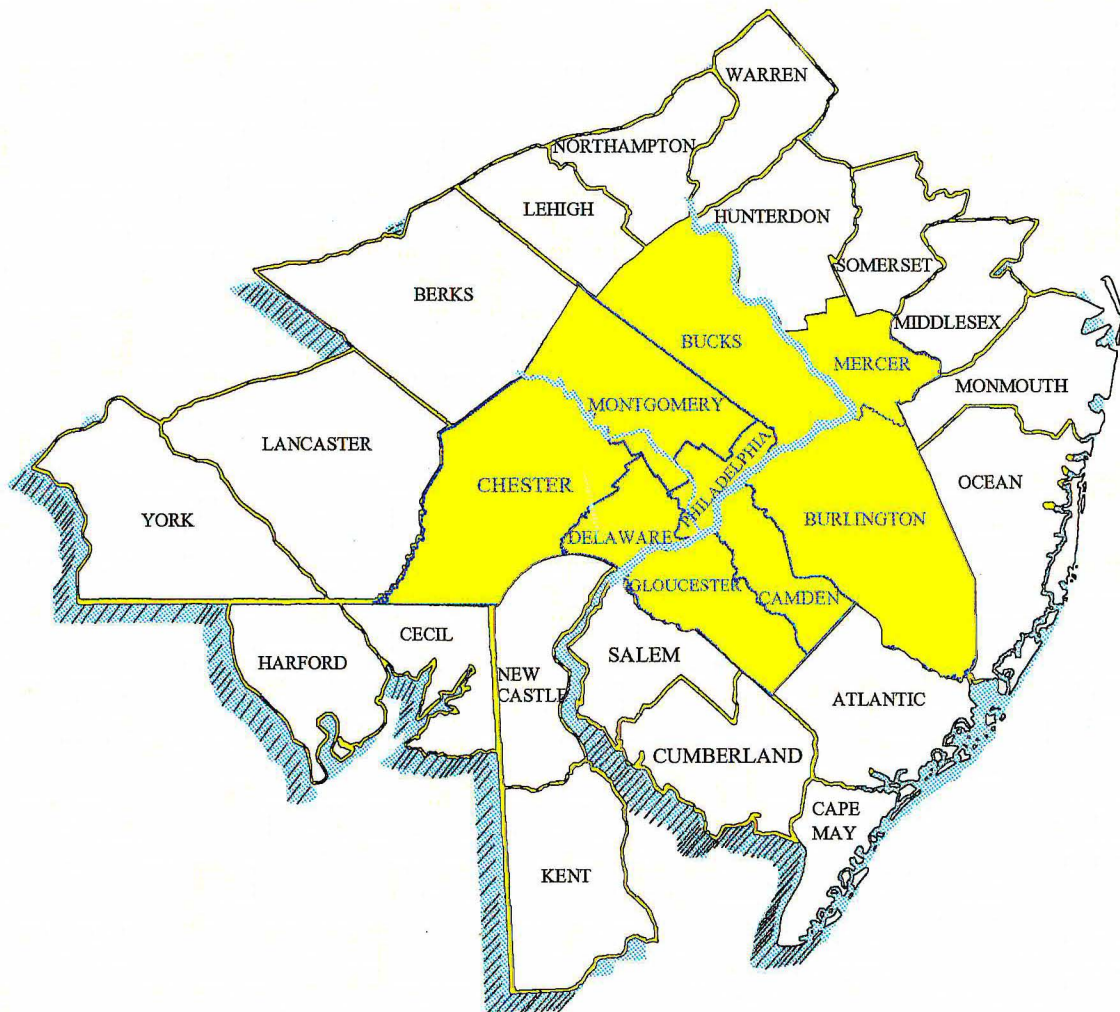
In the early 1980's, that file was updated in a limited way by aggregating data to 14 major categories and updating only development change from parcels more than 25 acres. This interim file provided a crude data base and map. However, it was subsequently noted that up to 33% of the development change was in small parcels not captured by the large parcel limit.

The acquisition of a Computer Assisted Mapping (CAM) and Geographic Information System (GIS) in the early 1990's has significantly altered the production of land use data. In 1991 DVRPC completed a digital land use file based on aerial photography flown in April and November of 1990. Land use was interpreted in 14 categories from 1330 aerials at the 1 inch = 400 ft. scale. The fourteen categories are single-family residential, multi-family residential, manufacturing, transportation, utility, commercial, community services, military, recreation, agriculture, mining, wooded, vacant and water.

The annotated photographs were digitized to create CAM linework which was registered to USGS 1 inch = 2,000 ft. quad maps. Each area was annotated with its land use classification and the results incorporated into the DVRPC CAM\GIS system.

FIGURE 1

DVRPC 9-COUNTY REGION



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Changing land use characteristics have created some difficulties in the interpretation of the categories from aerial photos. Re-use of buildings, such as factories converted to condominiums, houses converted to businesses and schools to offices, pose significant problems. The advent of flex-space makes the differentiation of commercial/office space from industrial/warehouse more difficult. Some of these distinctions can only be made from local knowledge or field survey. The cost of field survey for a large region makes that avenue impractical.

As a result, DVRPC asked member county planning departments to review the draft maps for specific errors and to identify the appropriate corrections. All counties identified specific revisions. However, county staffs were similarly unable to spend significant time in this activity. The suggested revisions were verified and incorporated into the file. After revisions and corrections were completed, a series of land use maps was produced. The mapping is used as the basis for the DVRPC 2020 planning process and a variety of special projects which will be made available to member governments.

It should be noted that more and more detailed scrutiny will identify a variety of corrections. While the documented changes will be retained for future attention, this file will not be altered or updated in the foreseeable future until a complete update is undertaken.

The 1990 Land Use File does not approach the detail of the 1970 file in terms of photo interpretive effort. However, the land use mapping completed in 1990 is substantially more detailed than that done in 1970. The CAM/GIS system with electrostatic plotting is not constrained by the cartographic limitations of manually drafting ink on mylar.

REGIONAL SUMMARY

This analysis of the Region's land use is based on a four-category grouping of the 14 land use categories. Single-family residential and multi-family residential area are combined into a Residential category. Non-Residential Developed land use is comprised of the manufacturing, transportation, utilities, commercial, community service, military and mining categories. The third group, Undeveloped land, includes recreation, agriculture, wooded and vacant land use categories. The fourth category is Water area.

This arrangement of the categories into four divisions yields a clearer picture of the region's land use today and the development trends that have occurred during the past twenty years.

1990 LAND USE GROUPED TOTALS

The 3,814 square mile, 9-county region has 644 square miles of Residential land, 534 square miles of Non-Residential Developed land, 2,542 square miles of Undeveloped land and 92 square miles of Water. The region is 66 percent Undeveloped, 14 percent Non-Residential Developed and 14 percent Residential.

Figure 2 shows each of these four categories as a percentage of the region's total area in 1990.

Table 1 contains the 1990 regional and county totals for each of the four grouped land use categories.

Figure 2

1990 LAND USE IN THE 9-COUNTY REGION

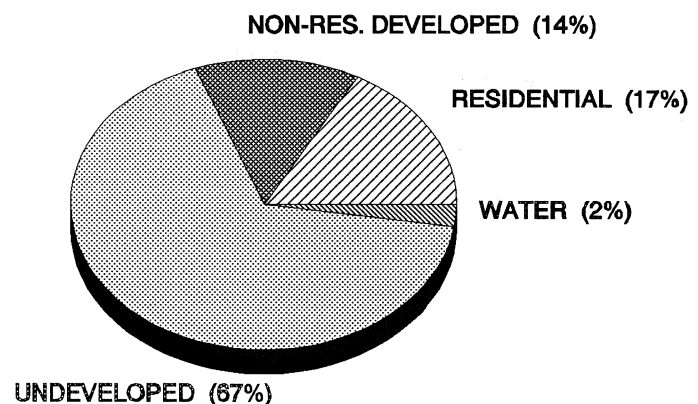


Table 1

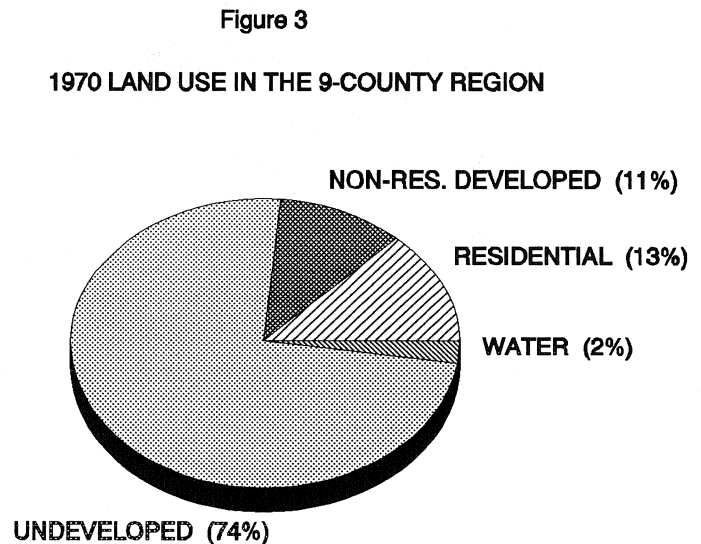
1990 LAND USE GROUPED TOTALS (square miles)

	RESIDENTIAL	NON - RESIDENTIAL DEVELOPED	UNDEVELOPED	WATER	TOTAL
BUCKS	102.42	80.01	422.21	17.35	621.99
CHESTER	105.79	67.71	579.73	6.42	759.66
DELAWARE	64.53	46.48	72.03	7.87	190.92
MONTGOMERY	121.04	95.45	264.85	6.23	487.57
PHILADELPHIA	44.28	67.45	20.62	8.17	140.52
BURLINGTON	66.06	57.63	674.23	22.50	820.43
CAMDEN	56.55	46.99	117.90	6.24	227.69
GLOUCESTER	40.95	46.99	247.17	13.29	337.07
MERCER	42.96	35.68	144.03	4.40	228.67
9-COUNTY	644.56	534.70	2542.77	92.47	3814.03

1970 LAND USE GROUPED TOTALS

In 1970, Residential land covered 498 square miles of the 9-county region, Non-Residential Developed areas comprised 409 square miles, Undeveloped land encompassed 2,842 square miles of the region and Water area was 92 square miles.

Figure 3 shows the percent coverage in the region for each of the 4 grouped categories. 74 percent of the region was Undeveloped, 10 percent was Non-Residential Developed, 13 percent was Residential and Water was 2 percent.



The 1970 County and Region totals for each of the four grouped categories are shown in Table 2. Table 3, on the following page, shows the changes that occurred between 1970 and 1990.

Table 2
1970 LAND USE GROUPED TOTALS (square miles)

	RESIDENTIAL	NON- RESIDENTIAL DEVELOPED	UNDEVELOPED	WATER	TOTAL
BUCKS	76.83	55.53	480.30	12.36	625.00
CHESTER	69.11	46.20	638.03	8.65	762.01
DELAWARE	54.66	32.98	94.92	8.47	191.00
MONTGOMERY	104.35	59.04	325.63	7.80	496.01
PHILADELPHIA	42.42	61.74	30.43	9.12	143.70
BURLINGTON	44.10	70.87	694.13	21.23	830.01
CAMDEN	41.87	33.47	143.06	6.58	225.00
GLOUCESTER	30.57	23.32	270.66	14.46	339.01
MERCER	34.58	26.37	165.36	3.69	230.00
9-COUNTY	498.49	409.52	2842.52	92.35	3841.74

LAND USE CHANGE FROM 1970 - 1990 IN FOUR CATEGORIES

Land use trends during the last twenty years show continuing suburbanization of Philadelphia's surrounding counties. Table 3 shows the changes that occurred in the four category groups at the regional and county level.

Residential land area (single-family and multi-family residential areas combined) increased 146 square miles, a 29 percent increase, in the 9-county region. Each of the 9 counties had an increase in Residential land, anywhere from 1.8 square miles in Philadelphia to 36 square miles in Chester County.

Table 3
LAND USE CHANGE FROM 1970 - 1990 (square miles)

	RESIDENTIAL	NON- RESIDENTIAL DEVELOPED	UNDEVELOPED	WATER	TOTAL
BUCKS	25.60	24.48	-58.09	4.99	-3.03
CHESTER	36.68	21.51	-58.30	-2.23	-2.34
DELAWARE	9.86	13.50	-22.89	-0.60	-0.13
MONTGOMERY	16.69	36.41	-60.78	-1.57	-9.24
PHILADELPHIA	1.86	5.71	-9.81	-0.95	-3.19
BURLINGTON	21.95	-13.23	-19.90	1.27	-9.91
CAMDEN	14.68	13.52	-25.16	-0.34	2.70
GLOUCESTER	10.38	12.36	-23.49	-1.17	-1.92
MERCER	8.38	10.93	-21.33	0.71	-1.31
9-COUNTY	146.08	125.19	-299.75	0.12	-28.37

Developed land area increased 125 square miles for the entire 9-county region, a 30 percent increase from 409 square miles in 1970. Developed and Residential land in the 9-county region had a combined increase of 271 square miles, a 30 percent increase.

Undeveloped land in the region (recreation, agriculture, wooded and vacant land) decreased 299 square miles - a 10 percent loss during the twenty-year period.

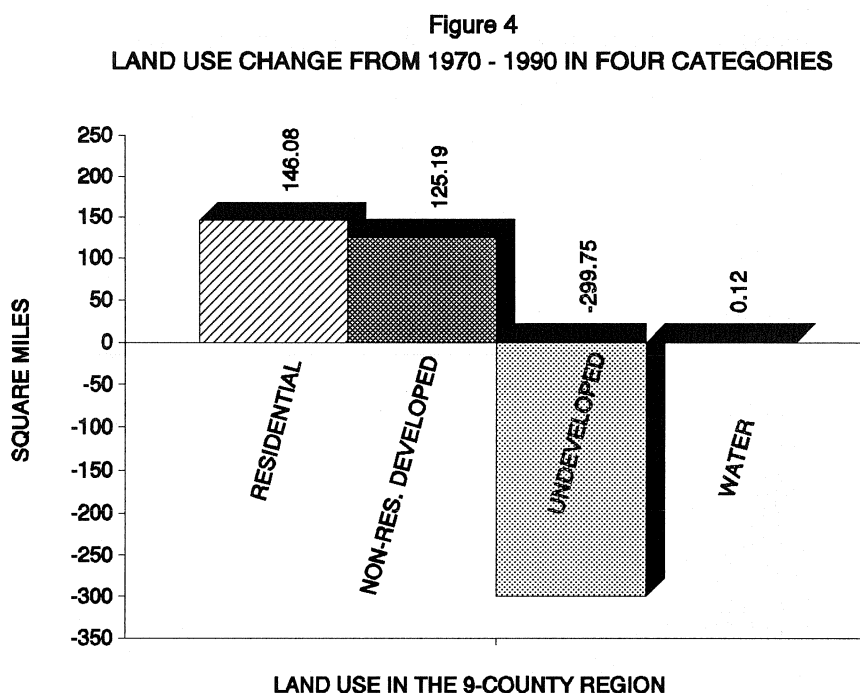
Water area changed slightly in the region: .12 square miles. This small change may be due to the creation of new reservoirs. However, different flight times, dry seasons or the drainage of some areas may explain the difference in Water area.

The change in the Total area of the region, 28 square miles, is due to discrepancies in classification methods rather than actual change in regional boundaries. This difference may seem rather large; however, when seen in a regional perspective, it is not significant. It is less than 1% of the total regional area. The differences in Total area are larger in the larger counties where there is a greater likelihood of mistakes. There was a greater chance of error in the 1970 land use method when areas were hand planemetered.

Figure 4 is a graphic representation of the land use change that occurred from 1970 - 1990 in the 9-county region. This figure represents the totals shown in Table 3 in the four grouped categories.

When Residential and Non-Residential are combined into a Developed land category, it shows an increase of 271 square miles for the 9-county region. While the region developed 271 square miles of Residential and Non-Residential area during twenty years, the population remained relatively stable, increasing just 60,823.¹

In comparison, the region's total employment increased 21 percent between 1970 - 1990.² This increase of 462,458 jobs, according to the Bureau of Economic Analysis, helps explain the 125 square miles of Non-Residential development in the region.



¹ 1970 and 1990 U.S. Bureau of the Census, Census of Population.

² *Delaware Valley Data. Employment 1970 - 1990. Data Bulletin No. 45.* Delaware Valley Regional Planning Commission. November 1993.

COUNTY TOTALS

The following tables present the county totals for the fourteen land use categories. The fourteen categories are single-family residential, multi-family residential, manufacturing, transportation, utilities, commercial, community services, military, recreation, agriculture, mining, wooded, vacant and water.

Examining land use over time is the most effective means to identify meaningful trends at the regional, county and MCD levels. This report identifies land use changes observed from the results of DVRPC's 1970 and 1990 land use files.

The 1990 County totals are shown in **Table 4**, the 1970 are in **Table 5**, and Change in Land Use from 1970 - 1990 are shown in **Table 6**.

Originally, the 1970 Land Use file had areas grouped into 12 major categories: single-family, multi-family, manufacturing, transportation, utilities, commercial, community services, recreation, agriculture, mining, undeveloped and water. Military land was accounted for in the Community Services category. For comparison purposes, a Military category was created for the 1970 file by using the figures that were developed for the 1990 file. The numbers that were used to create this Military category were subtracted from the 1970 Community services category to avoid double counting.

In addition, in the original 1970 file wooded land and vacant land were combined in an Undeveloped category. For purposes of this report those numbers were re-run into two categories, Wooded land and Vacant land.

The land use changes that have been identified in **Table 6** can not be analyzed at face value without giving consideration to the changes that transpired in the photo interpretation and land use calculation process between 1970 and 1990.

For example, the 13 square-mile loss of Developed land in Burlington County is a result of changes in the land use classification system rather than an actual decrease in Developed land. The Developed category includes Community Services and Military land. In 1970, Burlington County had a relatively large area classified as Community Services, 32 square miles. The 1970 classification system included the entire Fort Dix area as Community Service (which included military at the time). In comparison, the 1990 file separated other uses out of that area. For example, large portions which were considered Fort Dix military area in 1970 were considered to be Wooded area in 1990.

Table 4

1990 COUNTY LAND USE TOTALS

(SQUARE MILES)

	SINGLE FAMILY	MULTI- FAMILY	MANU	TRANS	UTILITY	COMMER	COMMUN SERVICE	MILITARY	REC	AGRI	MINING	WOODED	VACANT	WATER	TOTAL
BUCKS	92.70	9.72	11.53	39.87	5.01	14.51	4.43	1.11	7.55	204.17	3.55	189.35	21.14	17.35	621.99
CHESTER	99.30	6.49	4.74	39.03	7.53	8.89	5.92	0.00	6.93	333.56	1.60	229.41	9.83	6.42	759.66
DELAWARE	55.33	12.04	5.40	24.22	1.74	7.89	7.23	0.02	6.56	13.37	0.34	48.21	3.89	7.87	190.92
MONTGOMERY	110.89	10.14	11.50	49.28	5.18	15.03	11.14	1.60	17.40	121.57	1.72	114.42	11.46	6.23	487.57
PHILADELPHIA	8.00	36.28	7.70	41.46	0.94	9.74	5.15	1.96	5.89	0.74	0.00	8.93	5.06	8.17	140.02
PA 5-COUNTY	366.22	74.67	40.87	193.86	20.40	56.06	33.87	4.69	44.33	673.41	7.21	590.32	51.38	46.04	2200.16
BURLINGTON	58.63	7.43	2.80	27.22	2.70	13.45	3.02	7.32	8.12	149.83	1.12	491.56	24.72	22.50	820.43
CAMDEN	47.91	8.64	4.75	23.36	2.26	11.94	2.64	0.03	5.72	18.02	2.01	87.82	6.34	6.24	227.69
GLOUCESTER	38.32	2.63	5.37	18.47	2.94	5.62	1.99	0.05	3.62	102.55	1.24	128.12	12.88	13.29	337.07
MERCER	36.61	6.35	2.01	20.48	2.56	7.75	4.19	0.00	6.02	60.01	0.31	69.34	8.66	4.40	228.67
NJ 4-COUNTY	181.46	25.05	14.93	89.53	10.46	38.76	11.84	7.40	23.48	330.41	4.68	776.84	52.60	46.43	1613.86
9-COUNTY	544.84	99.72	55.80	283.39	30.86	94.82	45.71	12.09	67.81	1003.82	11.89	1367.16	103.98	92.47	3813.53

Table 5

1970 COUNTY LAND USE TOTALS

(SQUARE MILES)

	SINGLE FAMILY	MULTI- FAMILY	MANU	TRANS	UTILITY	COMMER	COMMUN SERVICE	MILITARY	REC	AGRI	MINING	WOODED	VACANT	WATER	TOTAL
BUCKS	63.88	12.95	11.91	20.89	2.30	9.46	8.72	1.11	10.67	182.64	1.13	170.90	116.10	12.36	625.00
CHESTER	64.78	4.33	3.62	25.87	1.12	6.72	7.94	0.00	12.79	388.85	0.93	177.83	58.55	8.65	762.01
DELAWARE	46.18	8.48	3.26	16.39	1.18	7.18	4.35	0.02	7.56	28.69	0.61	39.34	19.33	8.47	191.00
MONTGOMERY	96.69	7.66	7.75	28.08	2.12	10.58	6.67	1.60	25.13	185.36	2.23	78.42	36.72	7.80	496.01
PHILADELPHIA	10.41	32.01	8.20	32.43	2.59	12.28	4.28	1.96	13.88	2.18	0.02	3.96	10.40	9.12	143.70
PA 5-COUNTY	281.94	65.42	34.75	123.66	9.31	46.21	31.96	4.68	70.03	787.71	4.92	470.45	241.11	46.39	2217.72
BURLINGTON	41.66	2.45	2.98	17.34	2.52	5.16	32.78	7.33	8.53	194.52	2.77	419.62	71.47	21.23	830.01
CAMDEN	37.95	3.92	3.40	17.35	1.45	6.11	2.48	0.03	6.83	34.55	2.65	65.42	36.25	6.58	225.00
GLOUCESTER	28.88	1.69	3.53	10.53	0.54	5.71	1.53	0.05	3.59	113.58	1.43	103.89	49.60	14.46	339.01
MERCER	30.63	3.95	2.36	11.80	2.60	5.14	3.70	0.00	5.19	89.39	0.77	49.77	21.01	3.69	230.00
NJ 4-COUNTY	139.11	12.01	12.27	57.01	7.11	22.12	40.48	7.41	24.15	432.04	7.62	638.70	178.33	45.96	1624.03
9-COUNTY	421.05	77.43	47.02	180.67	16.42	68.33	72.44	12.09	94.18	1219.75	12.54	1109.15	419.44	92.35	3841.74

Table 6

LAND USE CHANGE FROM 1970 – 1990 (SQUARE MILES)

	SINGLE FAMILY	MULTI- FAMILY	MANU	TRANS	UTILITY	COMMER	COMMUN SERVICE	MILITARY	REC	AGRI	MINING	WOODED	VACANT	WATER	TOTAL
BUCKS	28.82	-3.23	-0.38	18.98	2.71	5.05	-4.29	0.00	-3.12	21.53	2.42	18.45	-94.96	4.99	-3.01
CHESTER	34.52	2.16	1.12	13.16	6.41	2.17	-2.02	0.00	-5.86	-55.29	0.67	51.58	-48.72	-2.23	-2.35
DELAWARE	6.30	3.56	2.14	7.83	0.56	0.71	2.88	0.00	-1.00	-15.32	-0.27	8.87	-15.44	-0.60	-0.08
MONTGOMERY	14.20	2.48	3.75	21.20	3.06	4.45	4.47	0.00	-7.73	-63.79	-0.51	36.00	-25.26	-1.57	-8.44
PHILADELPHIA	-2.41	4.27	-0.50	9.04	-1.65	-2.54	0.87	0.00	-8.00	-1.44	-0.02	4.96	-5.34	-0.95	-3.67
PA 5-COUNTY	81.44	9.24	6.12	70.21	11.09	9.85	1.91	0.00	-25.70	-114.30	2.29	119.86	-189.73	-0.35	-17.55
BURLINGTON	16.97	4.98	-0.18	9.88	0.18	8.29	-29.76	0.00	-0.41	-44.69	-1.65	71.94	-46.75	1.27	-9.58
CAMDEN	9.96	4.72	1.35	6.01	0.81	5.83	0.16	0.00	-1.11	-16.53	-0.64	22.40	-29.91	-0.34	2.69
GLOUCESTER	9.44	0.94	1.84	7.94	2.40	-0.09	0.47	0.00	0.03	-11.03	-0.19	24.23	-36.72	-1.17	-1.94
MERCER	5.98	2.40	-0.35	8.68	-0.04	2.61	0.49	0.00	0.83	-29.38	-0.46	19.57	-12.35	0.71	-1.33
NJ 4-COUNTY	42.35	13.04	2.66	32.52	3.35	16.64	-28.64	0.00	-0.67	-101.63	-2.94	138.14	-125.73	0.47	-10.16
9-COUNTY	123.79	22.28	8.77	102.72	14.44	26.49	-26.73	0.00	-26.37	-215.93	-0.65	258.00	-315.46	0.12	-27.71

SINGLE-FAMILY DETACHED RESIDENTIAL

The Single-family Detached Residential category is composed of single, detached, dwelling units on separate land parcels. In rural areas, single-family residential units will be mapped when there are three or more contiguous units. This category includes vacant dwellings, seasonal dwellings and farmhomes.

The photo interpretation of single-family homes is relatively reliable and consistent from 1970 - 1990. In rural areas, the actual boundary of residential property may be difficult to distinguish from an aerial photo. In these instances, the area of residential area includes the structures and surrounding area that can be reasonably determined to be associated yard.

Single-family Detached Residential land use has increased in each of the 9 counties except Philadelphia County (see Table 6). This exemplifies the trend of growth and suburbanization of Philadelphia's surrounding counties. The 9-County region had a total increase of 123.79 square miles of single-family residential housing.

The three counties with the largest percent increase in Single-family detached area were Chester County -53 percent, Bucks County - 45 percent and Burlington County - 39 percent. Montgomery County had a rather large increase as well, 14 square miles. However, as a percentage increase, it is not as large as some of the others since the county had a large amount of land in the Single-family detached category in 1970. Philadelphia County was the only county to lose Single-family residential area. It lost 2.41 square miles, or 24 percent, of its Single-family detached residential area since 1970.

The 1990 Single-family Detached Residential figures have been adjusted to account for street and parking areas in and around residential areas. The Single-family Detached totals were reduced 25 percent. This adjustment figure was then added to the Transportation category. The adjustment is shown in Table 7.

The total adjustment for the region for street and parking areas in Single-family Detached Residential areas is 181 square miles. The Transportation category was increased to reflect this adjustment.

Table 7

**1990 SINGLE-FAMILY DETACHED
RESIDENTIAL LAND USE
IN SQUARE MILES**

	1990 ADJUSTED	1990 UNADJUSTED	DIFFERENCE
BUCKS	92.70	123.60	(30.90)
CHESTER	99.30	132.40	(33.10)
DELAWARE	52.49	69.98	(17.49)
MONTGOMERY	110.90	147.86	(36.96)
PHILADELPHIA	8.00	10.67	(2.67)
BURLINGTON	58.63	78.17	(19.54)
CAMDEN	47.91	63.88	(15.97)
GLOUCESTER	38.32	51.09	(12.77)
MERCER	36.61	48.81	(11.85)
9-COUNTY	544.85	726.46	(181.61)

MULTI-FAMILY RESIDENTIAL

Multi-family Residential land area includes duplexes, row houses, apartments, group quarters and mobile homes. This category can be photo interpreted with reasonable success. However, small multi-family units can be easily mistaken for commercial developments if they are on main streets and highways. In addition, building conversions, such as hotels and condominiums, may be interpreted with their original area, which could be manufacturing or commercial.

Multi-family Residential area increased in each county except Bucks County, where it decreased 3.23 square miles (see Table 6). The region as a whole had an increase of 22.28 square miles of multi-family residential area.

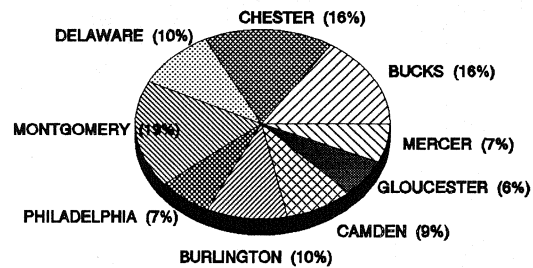
The counties with the largest percentage increases in Multi-family residential area were Burlington County - 127 percent, Camden County - 120 percent and Mercer County with a 60 percent increase. These large percentage increases may be misleading since they are increases from relatively small numbers in 1970. Burlington County had 2.45 square miles, Camden 3.92 square miles and Mercer had 3.95 square miles. The percent changes in Multi-family area ranged from -24 percent - 127 percent, while the square-mile changes ranged from -3.23 - 4.98 square miles.

The region's total Multi-family area, 99.72 square miles, is 2.6 percent of the region's total area. In 1970 Multi-family was 2 percent of the region's total area.

When combined, Single-family and Multi-family Residential area increased 146.07 square miles. This is a substantial increase, especially in light of demographic changes in the same time period. The population of the Delaware Valley in 1990 is approximately the same as it was in 1970.³ The evidence of greatly reduced population densities is evident in the much larger area used to house the same population.

Figure 5 shows each county's percent share of the region's total Residential area in 1990.

Figure 5
EACH COUNTY'S SHARE OF THE REGION'S RESIDENTIAL AREA IN 1990



MANUFACTURING

The Manufacturing category includes area devoted to the fabrication and/or assembly of raw materials or components.

Manufacturing land area is becoming more difficult to interpret from aerial photographs. This is primarily due to an increase in mixed-use business parks and conversions of buildings as mentioned earlier. The advent of flex space has produced buildings that are hard to categorize. These buildings, with slight modifications, could have manufacturing or commercial areas.

Manufacturing land area increased 8.77 square miles in the 9-county region, an 18 percent increase from 1970 - 1990. Bucks, Philadelphia, Burlington and Mercer counties each lost less than .5 square mile, mostly due to the abandonment and demolition of older industrial structures. Chester, Delaware, Montgomery, Camden and Gloucester gained anywhere from 1 to 3 square miles of Manufacturing. These increases were mostly composed of new industrial parks which offset the demolition of older industrial areas. As noted above, manufacturing, commercial and community service are becoming increasingly difficult to calculate through photo interpretation due to the advent of flex space, combined or mixed uses and the reuse of old buildings.

The three largest percent increases in Manufacturing in the region were Delaware County - 76 percent, Gloucester County - 52 percent and Montgomery County - 48 percent. The greatest percent decrease was in Philadelphia County where a .5 square mile decrease, down from 8.2 square miles in 1970, was a 6 percent loss.

³ The 1990 Population for the 9-County region was 5,182,705, while the 1970 Population was 5,121,226. 1990 and 1970 Census of Population. U.S. Census Bureau.

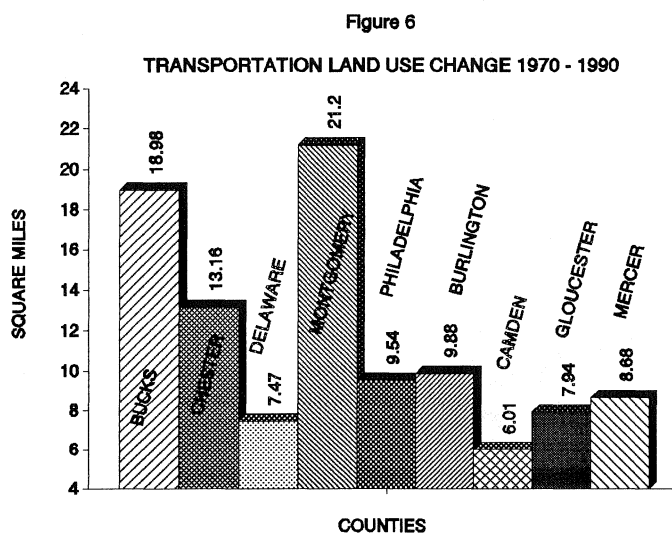
A loss in Manufacturing area in some areas may correspond with economic trends of an increasing service sector economy and a decreasing manufacturing sector. However, small decreases may also be accounted for in misinterpretations that occurred in the photo interpretation process and lack of field checks.

TRANSPORTATION

The Transportation land use category includes areas devoted to rail, air, marine, highway, residential streets and parking areas. Highways have been included only when they are double lane divided. Residential streets have been statistically removed from the Residential category and figured into Transportation. In addition, parking areas greater than ten spaces have been included in Transportation category.

The identification of parking with Transportation means that actual areas devoted to manufacturing, commercial and multi-family are understated. This was necessary to provide consistency with the 1970 Land Use File in order for comparisons of change to be made.

The 1990 Transportation category may be the most difficult to accurately photo interpret and compare to 1970 figures. The Transportation figures are adjusted to account for streets and parking areas in single-family residential areas (as discussed in the Single-family residential section). All Single-Family Residential totals from 1990 were reduced by 25 percent (as shown in Table 7). This amount was then added to the Transportation category. In the case of Philadelphia, each category except Water and Military was reduced by 25 percent reflection the dominant grid pattern of streets throughout the city. These figures were transferred to Transportation to account for the streets and parking.



There are some differences between the Transportation classifications in 1970 and 1990. The interpretation for 1970 included all highways while in 1990 the Transportation category only included divided highways.

In addition, there has been an increase in indoor parking areas in the region. These facilities are difficult to account for in photo interpretation, particularly when they are included within office structures. In 1970 and 1990, parking areas with more than 10 parking spaces were included in the Transportation category. However, the more detailed interpretation of 1970 probably identified more of the smaller parking areas.

Finally, rail right-of-ways may have been missed in 1990 where corridors are no longer easily identifiable. Some right-of-ways have been abandoned and the rails removed.

Figure 6 shows that each of the 9 counties had an increase in Transportation area. Bucks, Montgomery and Chester counties had the greatest increases, 18, 21 and 13 square miles respectively. This is consistent with the large subdivision growth of these counties in the twenty-year period. The largest percent increases were in Bucks, Montgomery and Gloucester counties, with 90 percent, 75 percent and 75 percent increases respectively. Philadelphia County had an increase of 9 square miles (a 29 percent increase). This amount is probably represented by the development of Interstate 95 (I-95). An increase in parking areas in the city has also occurred where older structures have been demolished. The region as a whole had a 57 percent increase, 102 square miles, of Transportation area.

UTILITY

The Utility/Communications category includes: power generation and substations, major transmission lines; radio, television and microwave towers when separate; water filtration and storage (except reservoirs); wastewater treatment; and landfills.

Utility corridors, especially power lines and pipeline easements, present a variety of photo interpretation problems. To preserve the integrity of the data source, easements were interpreted only if they were evident on the photo and only where they did not compete with another developed land use. Sometimes it is obvious that powerline easements do not end at a particular place. However, the photo support in these areas is lacking. In addition, corridors end where they pass over other uses such as parks, residential areas or industrial areas.

The Utility category had a 14 square mile increase during the twenty-year period. A large portion of this growth, 6.4 square miles, was in Chester County, a 572 percent increase. Montgomery County had a 144 percent increase of Utility area. Camden County had the third largest percentage increase, 55 percent.

Philadelphia County had the largest decrease in Utility area, -1.65 square miles, a 56 percent decrease from 2.59 square miles in 1970.

The region's 14.44 square-mile increase is an 88 percent increase from 16.42 square miles in 1970. This is due in part to the land areas consumed by high-voltage electric lines in the region.

COMMERCIAL

The Commercial land use category includes retail, wholesale, personal and professional services, and hotels and motels. As described earlier, Commercial area is often understated because the associated parking over 10 spaces is counted with transportation. In addition, single-family homes which are converted to office or retail space are often interpreted as residential use.

Commercial land area in the region increased 39 percent, or 26.49 square miles, since 1970. Burlington County had the greatest increase, 8.29 square miles, a 160 percent increase. The second and third largest increases were in Camden County, 5.83 square miles, a 95 percent increase and Bucks County, with a 5 square mile increase, or 53 percent.

Philadelphia had the largest loss, 2.54 square miles. This 53 percent decrease may have been created by the demolition of older commercial buildings.

COMMUNITY SERVICES

The Community Services category includes hospitals and clinics, government buildings (except military facilities), educational facilities, churches and cemeteries.

Community Service area decreased 26 square miles from 1970 to 1990, a 37 percent loss. Burlington County had the greatest loss, 29 square miles, or 91 percent. This is accounted for primarily in the change in the definitions of the category. The 1970 category for Community Service included 21 subcategories, one of which was governmental (including military). In 1990, Military became an individual category. The classification procedure also changed. The Fort Dix area, for example, was outlined and classified as Governmental (Military) in 1970. In 1990, the area outlined as Fort Dix changed since some areas of the base used for active military training had been reduced and some classifications, such as Wooded areas, were separated out. This change in classification may also partially explain the large increase in Wooded area in Burlington County.

Community Service area may be underestimated primarily because many of the structures are not easily distinguishable from commercial structures. Many municipal offices, for example, are housed in buildings designed for other uses. Accurate interpretation of this category would require extensive collection of source checks and field verification. Budget limitations did not allow this level of effort.

Montgomery County had an increase in Community Services area of 4.47 square miles. Delaware County had the second largest increase, 2.88 square miles.

MILITARY

The Military category includes air bases, forts, naval bases and air stations, coast guard bases and national guard installations.

As explained earlier, the Military category was not an individual category in 1970. For analytical purposes, a Military category was created in this report for 1970 using the 1990 numbers. These figures were then subtracted from the 1970 Community Service category. The region's estimated Military area is 12 square miles.

RECREATION

The Recreation category includes parks, recreation sites, amusements parks, resorts and camps, public assembly areas and golf courses.

Recreational land decreased 26 square miles in the region, a 28 percent decrease. This decrease is partly due to the misinterpretation of small recreation areas and the greater use of flex space for indoor recreation activity. It may show some legitimate losses of parks and playgrounds in congested inner city areas. The greatest change is probably accounted for by many larger park areas growing into wooded cover and being classified as wooded area.

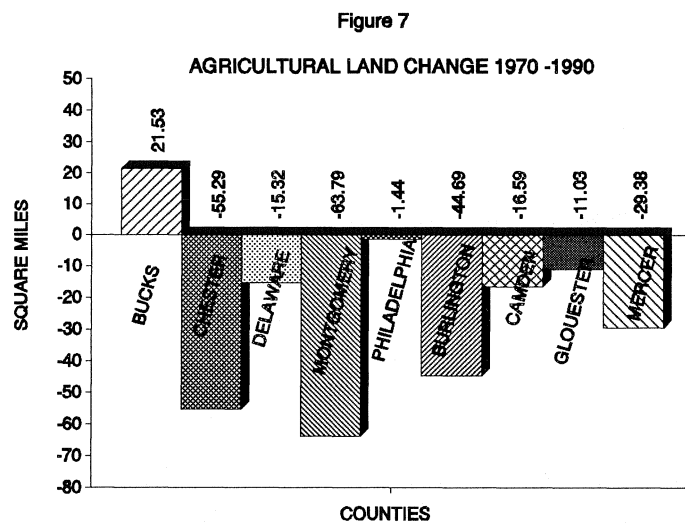
The three greatest losses in percentage were Philadelphia County - 58 percent (8 square miles); Chester County - 46 percent (5.86 square miles) and Montgomery County - 31 percent (7.73 square miles).

AGRICULTURE

The Agriculture category includes crops, pastures, orchards, tree farms and other agricultural uses. The farmstead and associated buildings are also agricultural. Single or double lot splitoffs with houses are included in agricultural.

The 9-County region lost 215 square miles (18 percent) of Agricultural land to development during the twenty-year span. Figure 7 shows this each county's change in Agricultural area. The region's loss seems to be relatively evenly distributed among the nine counties, except Bucks County.

Agricultural land has been desirable by developers because of its availability in large parcels for development, its drainage capacity and because it is easily cleared for development.



The Counties with the largest losses were Montgomery County - 63.7 square miles, Chester County - 55.2 square miles and Burlington County - 44.6 square miles.

The 21 square mile increase in Agricultural land in Bucks County may be explained by the changes in classification that occurred. The 1970 Land Use File identified a proportionately large amount of land as Vacant in Bucks County, while a proportionately small amount was classified as Agriculture. It is likely that in 1990 some of the land identified as Agricultural was classified as vacant in 1970.

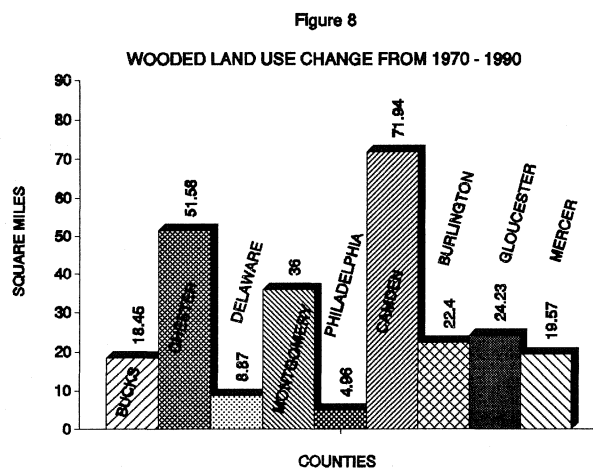
MINING

The Mining category consists of any extractive use including quarries and sand pits.

This category remained relatively stable, decreasing .65 square mile to 11.89 in 1990. This small decrease may represent only the margin of error in the photo interpretation process. Some smaller borrow pits may have become overgrown with vegetation and been included in the Wooded or Vacant categories.

WOODED

The Wooded (forested) category was determined by continuous canopy or solid tree cover, woodlands, natural lands, and marshes and swamps.



The most unexpected result of the 1970 - 1990 land use comparison is the Wooded area classification. Development in the region during the past twenty years would suggest that a reduction in wooded area has occurred. However, Wooded area actually increased 258 square miles during the 20 year period, a 23 percent increase.

Further analysis suggests that a substantial abandonment of agricultural purposes, coupled with the non-development of vacant land in 1970, has resulted in forest succession during the 20-year period. Twenty years of neglect, or

the suspension of farming, could easily be photo interpreted as Wooded land.

Figure 8 shows a county-by-county breakdown of the region's Wooded land use change. The increases are especially noticeable in the larger counties. Burlington County had a 71.9 square mile (17 percent) increase of Wooded land. This is also related to the earlier mentioned loss in Community Service land area in Burlington County. Land surrounding Fort Dix, which was characterized as Military area in 1970, was considered Woodland in 1990.

Chester County and Montgomery County, also large counties, had the next largest increases, 51.5 and 36 square miles, respectively.

VACANT

Vacant land is land which can be separately identified as undeveloped and is not clearly wooded or agricultural, and is cleared or unused and not tied to other uses.

Vacant land in the region decreased 75 percent, or 315 square miles. Again, this is related to the increase in Wooded land. Land that is overgrown would be considered Wooded land through photo interpretation. Vacant land has gone from being 10 percent of the region's total area to 2.7 percent.

In 1970 the land use file was more detailed than in 1990, and therefore made a clearer distinction between active agricultural land and vacant land, which created a larger classification for Vacant land. The 1990 file would then have identified many of these areas as Wooded or developed.

The counties with the largest losses of vacant land were Bucks County - 94.9 square miles (81 percent), Chester County - 48.7 square miles (83 percent) and Burlington County - 46.7 square miles (65 percent). Philadelphia County had the lowest percentage decrease in Vacant area, a 50 percent loss, or 5.3 square miles.

WATER

Water area, which includes rivers, streams, lakes and ponds, increased by .12 square mile. The actual area of water has probably increased slightly from the creation of new reservoirs. However, these limited new water areas could be easily cancelled by the drainage of some areas, the eutrophication of some surface waters and/or the simple difference in surface-water levels at the times of the two flights.

TOTAL AREA

The last column of Table 6 identifies discrepancies in the Total Areas of each county. A 27 square mile incongruity exists between the 1970 total area figure and the 1990 total area figure. There were no changes in the region's boundaries during this 20-year time period. Differing methods of calculations and the photo interpretation process itself are primarily responsible for the differences. While 27 square miles is a seemingly large area, it is in fact less than 1 percent of the region's total area. This is well within the scale accuracy of the maps and aerial photos which provided the map base. The differences in regional totals between Table 6 (27 square miles) and Table 3 (28 square miles) are due to differences in rounding.

The 1970 land use file was interpreted in greater detail than the 1990 file. However, averages were calculated with a planimeter and were probably subject to greater error than the calculations resulting from the GIS system. In general, the larger counties (Montgomery and Burlington) account for the larger errors which would be consistent with the notion that calculations of land uses in 1970 were prone to greater error.

While it would be possible to rectify either file to be comparable to the other, it would compromise the integrity of the file that was adjusted. Since the variation is small, it is not desirable to undertake the adjustment.

MUNICIPAL ANALYSIS

This section analyzes land use change at the municipal level for each of the 9 counties in the region. Each County Profile contains the 1990 Land Use Map, Municipal Boundary Map, 1990 Land Use Table, 1970 Land Use Table and Change in Land Use in Four Grouped Categories.

Appendix II of this report is a table containing the number of residential building permits authorized and the change in population for each of the municipalities in the region between 1970 - 1990. This Appendix is useful as a reference guide to to examine these variables in addition to land use change.

RESIDENTIAL LAND USE

Residential land change (Single-family and Munlti-family Residential) at the municipal level is shown on Map 1 on the following page. This map identifies Residential land change in four categories to distinguish the areas of the region that had the largest growth during the twenty-year period.

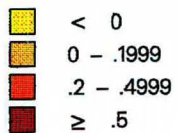
The 25 municipalities in the region with the largest growth in Residential area were:

<u>MUNICIPALITY</u>	<u>COUNTY</u>	<u>CHANGE IN SQUARE MILES</u>
Northampton township	Bucks	4.7254
Winslow township	Camden	3.8236
Medford township	Burlington	3.5993
Lower Makefield township	Bucks	3.1528
Evesham township	Burlington	3.0577
Gloucester township	Camden	2.9005
Washington township	Gloucester	2.8074
Franklin township	Chester	2.7842
Voorhees township	Camden	2.7208
Monroe township	Gloucester	2.4905
Tabernacle township	Burlington	2.4671
West Windsor township	Mercer	2.4322
Springfield township	Delaware	2.4058
Waterford township	Camden	2.1612
East Goshen township	Chester	2.1228
Bensalem township	Bucks	2.1191
Doylestown township	Bucks	2.0843
West Bradford township	Chester	2.0414
Mount Laurel township	Burlington	2.0318
Towamencin township	Montgomery	1.9982
Pemberton township	Burlington	1.9285
West Caln township	Chester	1.8120
Lower Salford township	Montgomery	1.7323
East Bradford township	Chester	1.7057
Middletown township	Bucks	1.6683

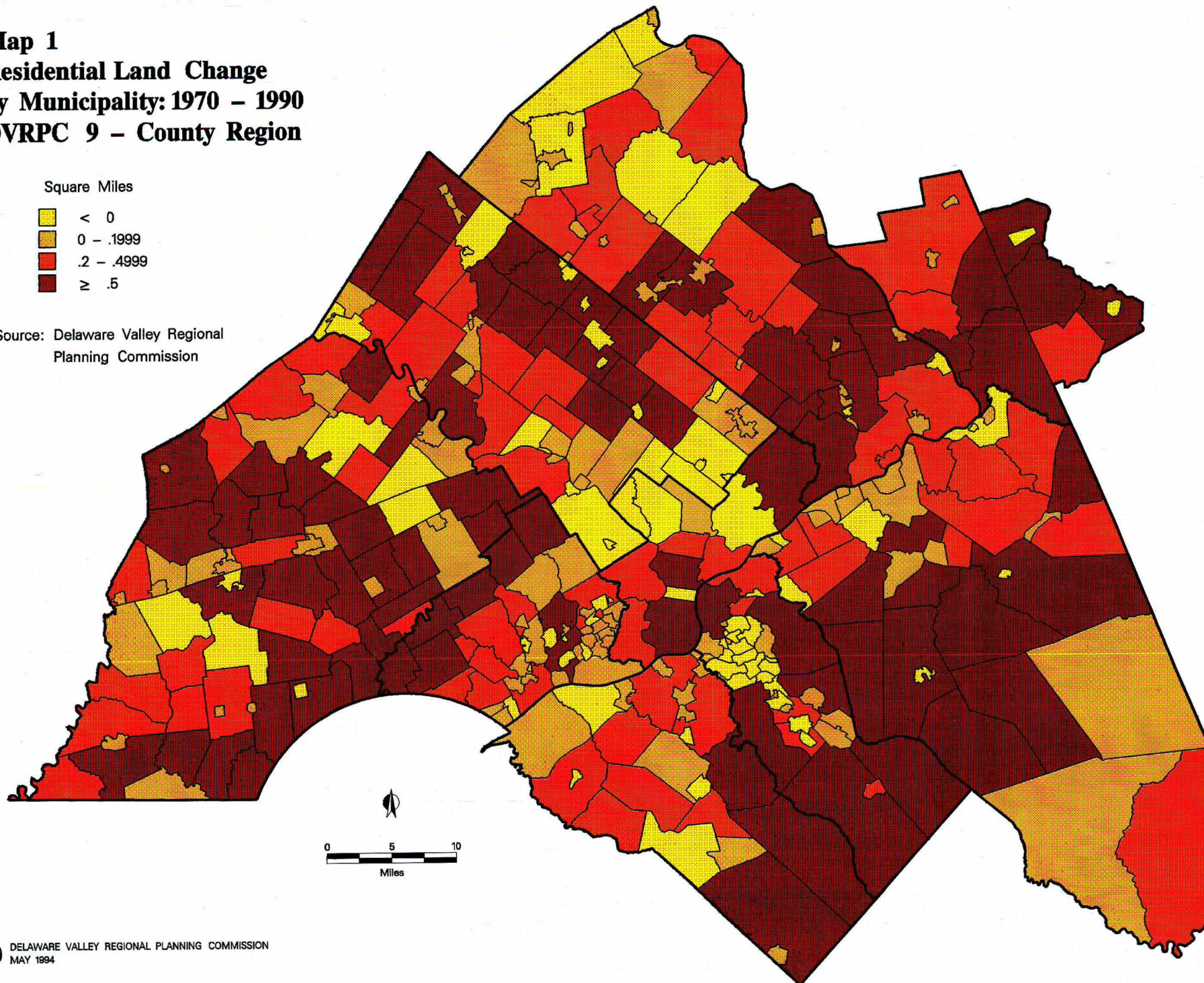
The largest residential growth occurred in a ring around the periphery of the region. In New Jersey, the growth will extend to the north-eastern edge of Mercer County, through the center of Burlington County and the southern portion of Camden and Gloucester counties. In Pennsylvania, the largest growth occurred in lower Bucks County, northern Montgomery County, northern Delaware County and central Chester County. Only in Bucks and Burlington counties have the heaviest growth not extended to the county boundaries.

Map 1
Residential Land Change
by Municipality: 1970 - 1990
DVRPC 9 - County Region

Square Miles



Source: Delaware Valley Regional
Planning Commission



NON-RESIDENTIAL DEVELOPED LAND USE

Map 2 identifies Non-Residential land use change from 1970 - 1990 in each of the municipalities in four ranges. The map identifies areas of the region which developed larger areas of Non-Residential land use.

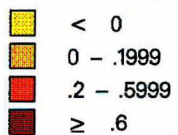
The 25 municipalities in the region with the largest growth in Non-Residential Developed land between 1970 - 1990 were:

<u>MUNICIPALITY</u>	<u>COUNTY</u>	<u>CHANGE IN SQUARE MILES</u>
Cherry Hill township	Camden	3.8261
Hamilton township	Mercer	3.4560
Lower Merion township	Montgomery	2.8086
Falls township	Bucks	2.7620
Monroe township	Gloucester	2.6706
Bensalem township	Bucks	2.6160
Springfield township	Bucks	2.6146
Mount Laurel township	Burlington	2.5953
Tredyffrin township	Chester	2.5568
Franklin township	Gloucester	2.5393
Winslow township	Camden	2.2260
Medford township	Burlington	2.1120
Whitpain township	Montgomery	2.0266
Northampton township	Bucks	1.9999
Washington township	Gloucester	1.9737
Evesham township	Burlington	1.9266
Hatfield township	Montgomery	1.9138
Tinicum township	Delaware	1.8891
Horsham township	Montgomery	1.8636
Radnor township	Delaware	1.8113
Plymouth township	Montgomery	1.7681
West Windsor township	Mercer	1.7019
Middletown township	Delaware	1.6921
Montgomery township	Montgomery	1.6892
Upper Merion township	Montgomery	1.6457

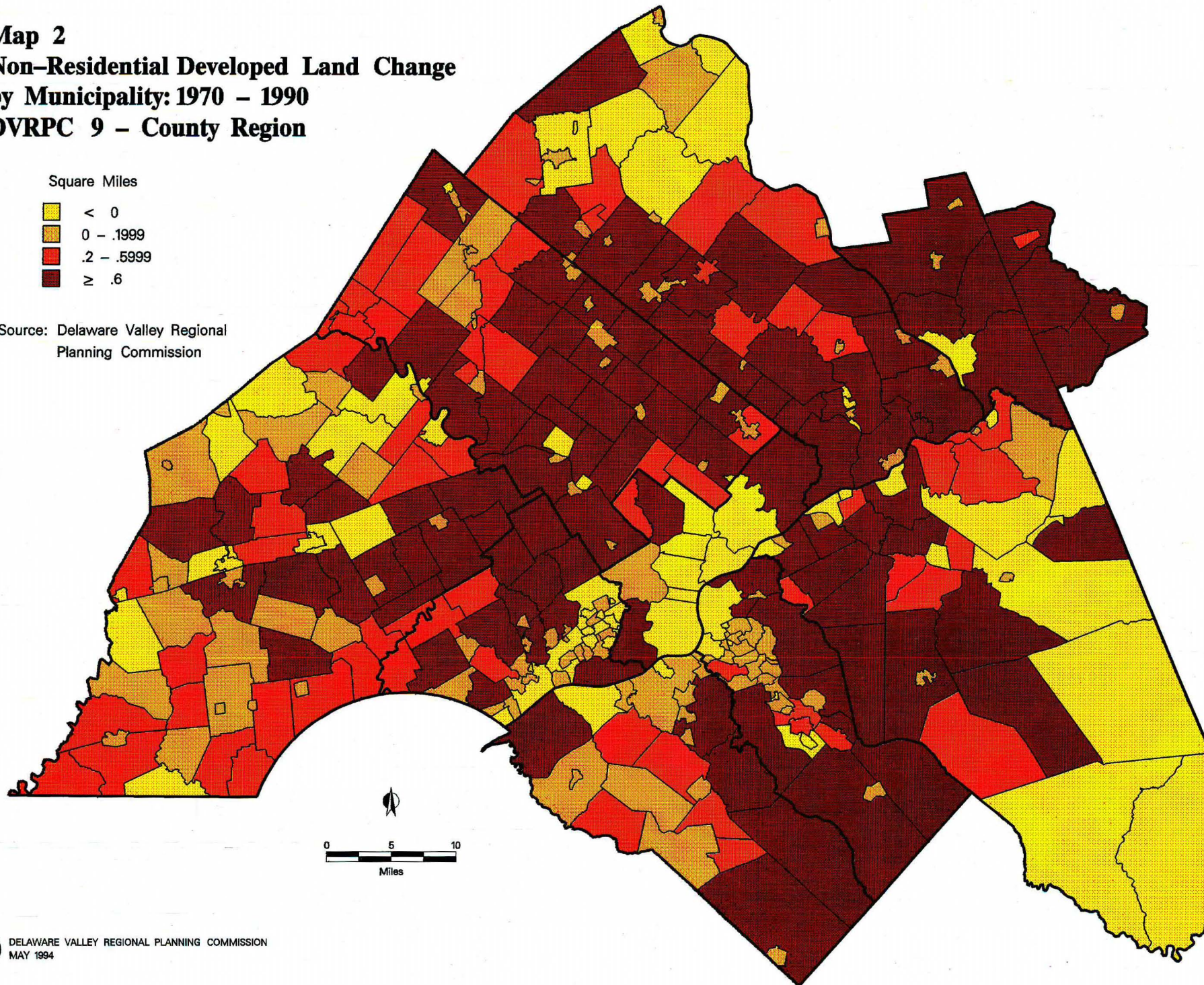
In Mercer, Burlington, Camden and Gloucester counties, Non-Residential growth created a pattern similar to Residential growth. Most of Mercer county showed significant Non-Residential development. In Pennsylvania, however, the largest Non-Residential land development occurred in rings closer to the center of the region than that of Residential growth. Lower and central Bucks County, central Montgomery County, eastern Chester County and northern Delaware County showed substantial land use change.

Map 2
Non-Residential Developed Land Change
by Municipality: 1970 - 1990
DVRPC 9 - County Region

Square Miles



Source: Delaware Valley Regional
Planning Commission



AGRICULTURAL LAND USE

Agricultural land is a category by itself and is not grouped with other categories in this section due to the high level of interest that agricultural land loss generates from both private and public agencies and individuals.

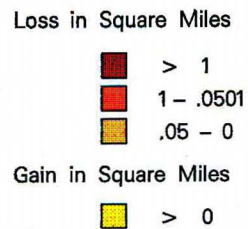
Agricultural land change is presented in four ranges on Map 3, on the following page. This map shows change at the municipal level in order to identify areas of the region that have lost the largest amounts of Agricultural land.

The 25 individual municipalities in the region with the largest decreases in Agricultural land area from 1970 -1990 were:

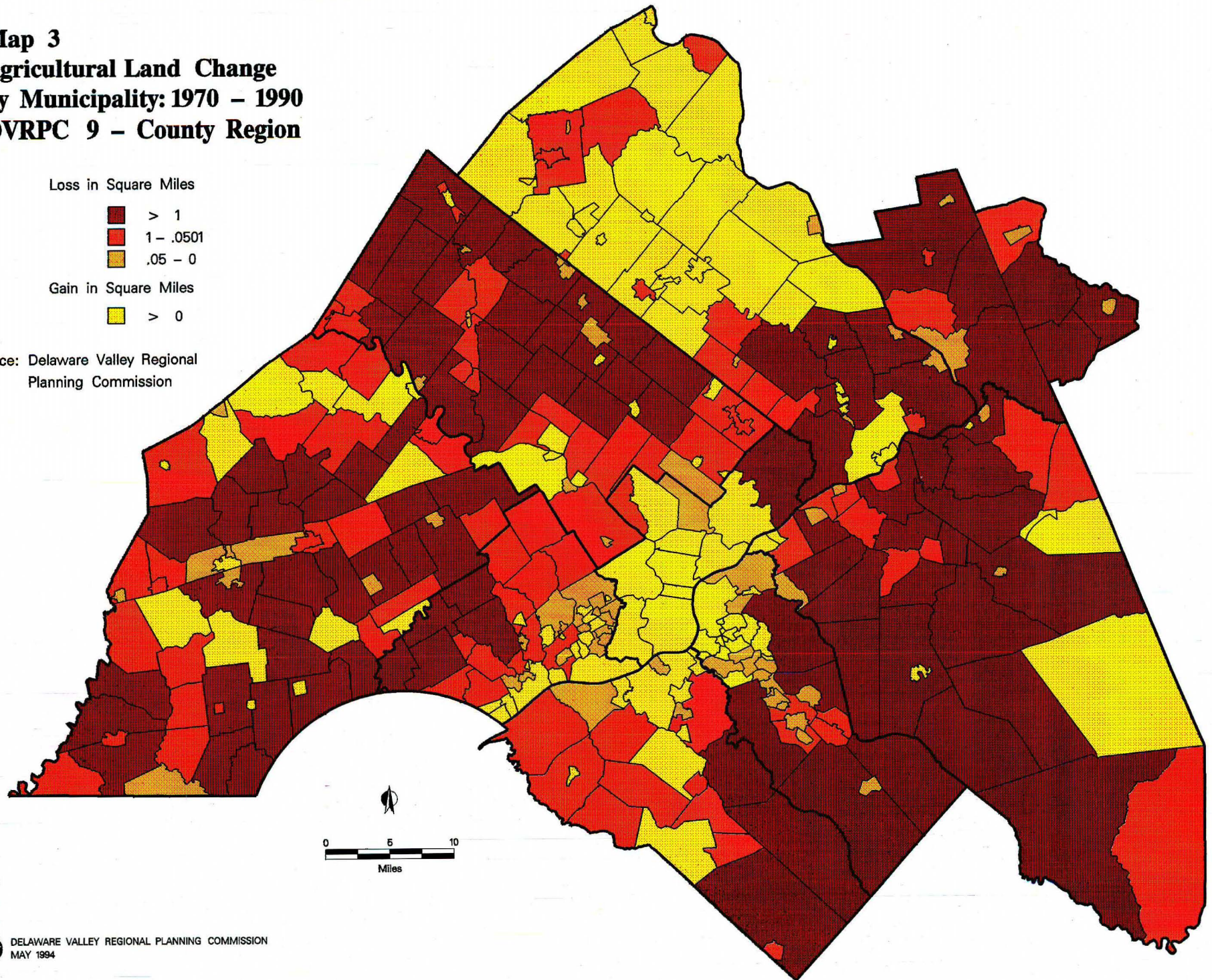
<u>MUNICIPALITY</u>	<u>COUNTY</u>	<u>CHANGE IN SQUARE MILES</u>
Hopewell township	Mercer	-9.7685
West Windsor township	Mercer	-6.7026
Winslow township	Camden	-5.7094
Mount Laurel township	Burlington	-5.2903
Evesham township	Burlington	-4.9950
Hamilton township	Mercer	-4.7965
Montgomery township	Montgomery	-3.9297
Upper Uwchlan township	Chester	-3.6926
Horsham township	Montgomery	-3.7996
New Hanover township	Montgomery	-3.5823
Northampton township	Bucks	-3.5246
Towamencin township	Montgomery	-3.4816
Whitpain township	Montgomery	-3.4241
Upper Hanover township	Montgomery	-3.4114
Lawerence township	Mercer	-3.3057
Upper Providence township	Montgomery	-3.2935
Concord township	Delaware	-3.1939
West Bradford township	Chester	-3.1353
Limerick township	Montgomery	-3.1312
Tabernacle township	Burlington	-3.1152
Gloucester township	Camden	-3.0286
Burlington township	Burlington	-2.8841
Lower Salford township	Montgomery	-2.8544
Hatfield township	Montgomery	-2.6849
Cherry Hill township	Camden	-2.6226

The loss of Agricultural land in New Jersey is a mirror image of the increases in developed land. The largest areas are Mercer County, northern and central Burlington County and southern Camden and Gloucester counties. In Pennsylvania, the largest losses were in lower Bucks County, central and northern Montgomery County, eastern and central Chester County and western Delaware County. Some increases in Agricultural land are found in western Chester County and northern Bucks County. This may be the result of agricultural land previously being categorized as vacant land in 1970.

Map 3
Agricultural Land Change
by Municipality: 1970 - 1990
DVRPC 9 - County Region



Source: Delaware Valley Regional
Planning Commission



RECREATION, VACANT AND WOODED LAND USE

Recreation, Vacant and Wooded land use are combined in this category to identify areas of the region that lost undeveloped land area (separate from Agricultural land loss). Map 4 shows Recreation, Vacant and Wooded land change from 1970 - 1990 at the municipal level.

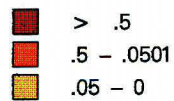
The 25 municipalities in the region with the largest decrease in the Recreation, Wooded and Vacant land category were:

<u>MUNICIPALITY</u>	<u>COUNTY</u>	<u>CHANGE IN SQUARE MILES</u>
Buckingham township	Bucks	-6.9602
Hilltown township	Bucks	-5.9122
Solebury township	Bucks	-5.3102
Bedminster township	Bucks	-4.8982
Tinicum township	Delaware	-4.5324
Doylestown township	Bucks	-4.3535
Monroe township	Gloucester	-3.8561
Bensalem township	Bucks	-3.8116
Franklin township	Gloucester	-3.6298
Northampton township	Bucks	-3.6202
Milford township	Bucks	-3.5774
Medford township	Burlington	-3.5413
Springfield township	Bucks	-3.1137
Upper Makefiled township	Bucks	-3.1057
Upper Merion township	Montgomery	-3.0411
Far Northeast Planning Area	Philadelphia	-3.0134
Plumstead township	Bucks	-2.9586
Radnor township	Delaware	-2.8296
Tabernacle township	Burlington	-2.6916
Middletown township	Bucks	-2.4473
Princeton township	Mercer	-2.3967
Washington township	Gloucester	-2.3127
Voorhees township	Camden	-2.2692
Lower Makefield township	Bucks	-2.2166
New Britain township	Bucks	-2.2144

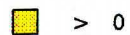
The municipalities in the region with losses in Recreation, Vacant and Wooded land greater than .5 square mile were, for the most part, in northern Gloucester and Camden counties and the central portion of Burlington County in New Jersey. In Pennsylvania, the municipalities with the greatest losses were in the western portion of Philadelphia County, the northwestern portion of Delaware County and the majority of municipalities in Bucks County.

Map 4
Recreation, Vacant, and Wooded Land Change
by Municipality: 1970 - 1990
DVRPC 9 - County Region

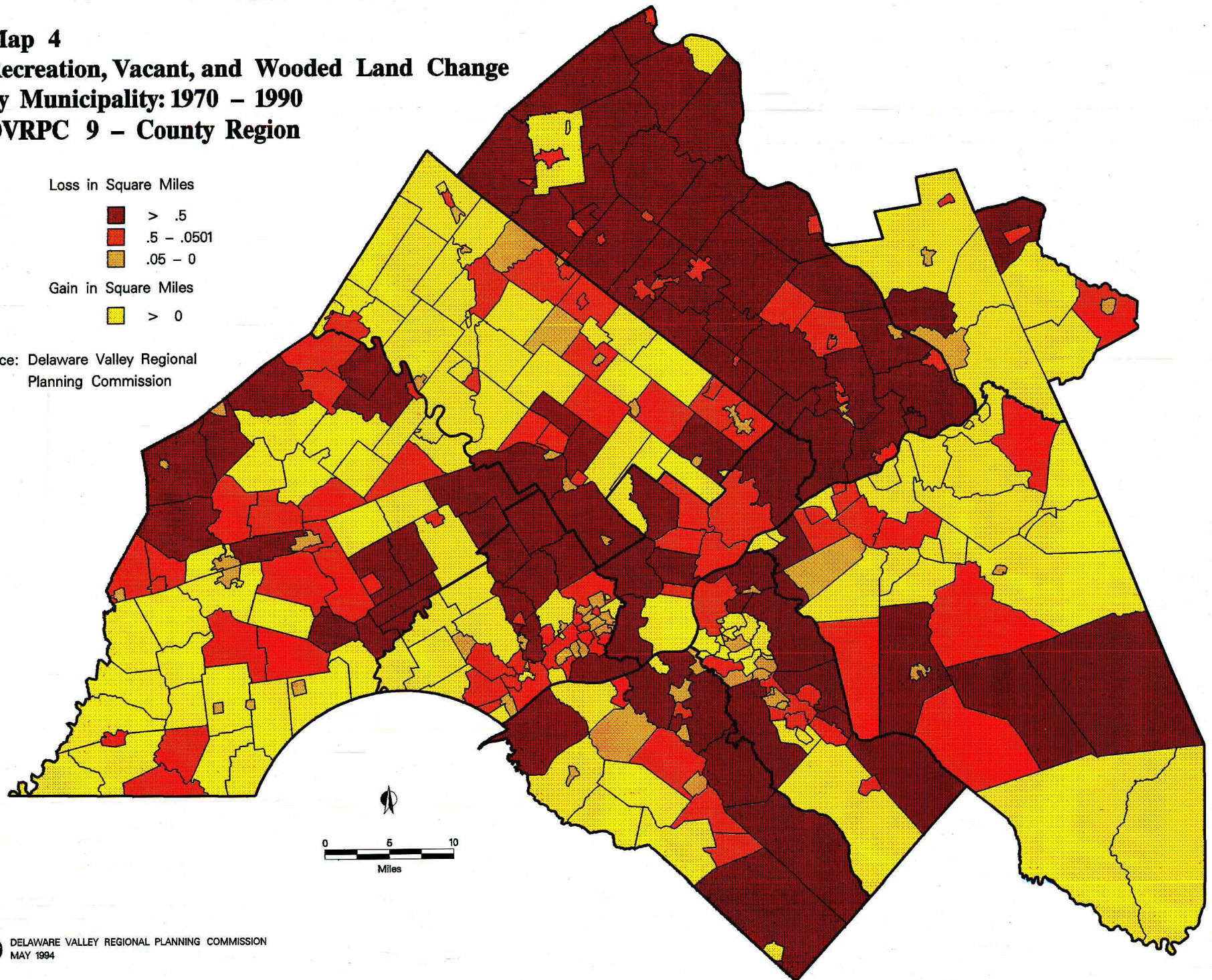
Loss in Square Miles



Gain in Square Miles



Source: Delaware Valley Regional
Planning Commission



BUCKS COUNTY PROFILE

Bucks County has grown considerably since 1970. According to the Bureau of Economic Analysis (BEA) 130,205 jobs were generated in the County between 1970 - 1990. In addition, the resident population increased by 126,118, and 68,821 units were authorized by residential building permits (Bureau of the Census).

The DVRPC Municipal Land Use Files, shown in Tables 7, 8 and 9, show that the largest increases in Residential area in Bucks County were in the southeastern municipalities. The ten municipalities with the largest increases in **Residential** areas were:

<u>Change in square miles</u>		
1.	Northampton township	4.7150
2.	Lower Makefield township	3.1528
3.	Bensalem township	2.1191
4.	Doylestown township	2.0843
5.	Middletown township	1.6683
6.	Upper Makefield township	1.5851
7.	Solebury township	1.4386
8.	Newtown township	.9253
9.	Lower Southampton	.8128
10.	New Britain township	.7487

The ten Bucks County municipalities with the largest increase in **Non-Residential Developed** area were also in the southeast section of the County except for Hilltown and Springfield. These ten municipalities were:

<u>Change in square miles</u>		
1.	Falls township	2.7620
2.	Bensalem township	2.6160
3.	Northampton township	1.9990
4.	Middletown township	1.6921
5.	Hilltown township	1.3023
6.	Bristol township	1.2630
7.	Springfield township	1.1216
8.	Warminster township	1.0605
9.	Lower Makefield township	.9507
10.	Warrington township	.8225

As a result of the increases in population and employment, development sometimes occurs at the cost of losing Agricultural, Recreation, Vacant or Wooded land. The ten largest decreases in **Agricultural** area occurred southeast section of the County except for northwest municipalities Bridgeton and Richlandtown borough. The ten largest losses were in the following municipalities:

<u>Change in square miles</u>		
1.	Northampton township	-3.5246
2.	Falls township	-2.0063
3.	Lower Makefield township	-1.9336
4.	Middletown township	-1.6410
5.	Bensalem township	-1.5199
6.	Newtown township	-1.2855
7.	Warminster township	-0.7063
8.	Richlandtown borough	-0.4123
9.	Warwick township	-0.3283
10.	Bridgeton township	-0.2940

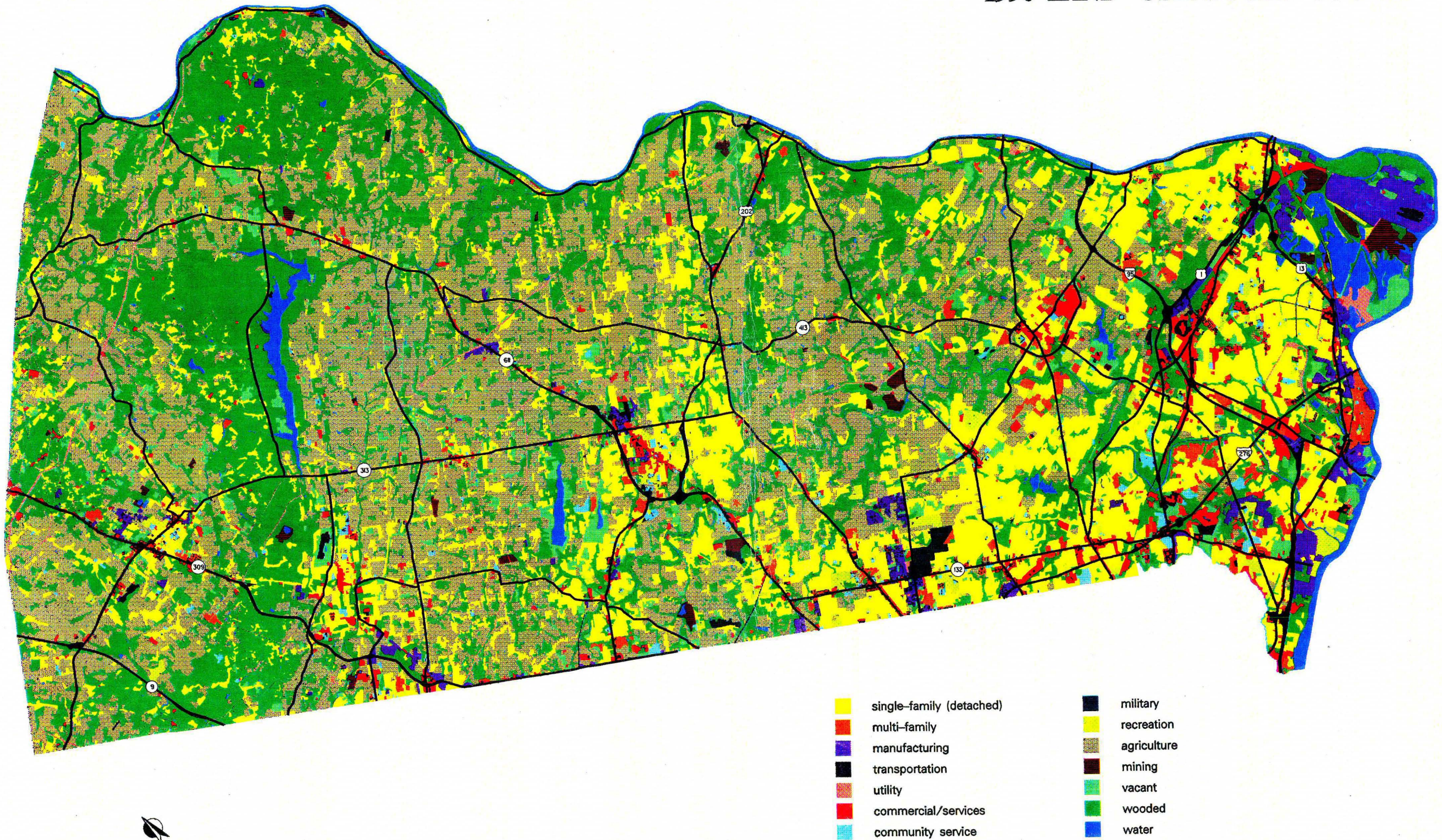
Some municipalities showed gains in **Agriculture** land area. These Municipalities were:

1.	Bedminster township	5.5275
2.	Buckingham township	5.3936
3.	Hilltown township	4.9160
4.	Tinicum township	3.9152
5.	Milford township	2.5956

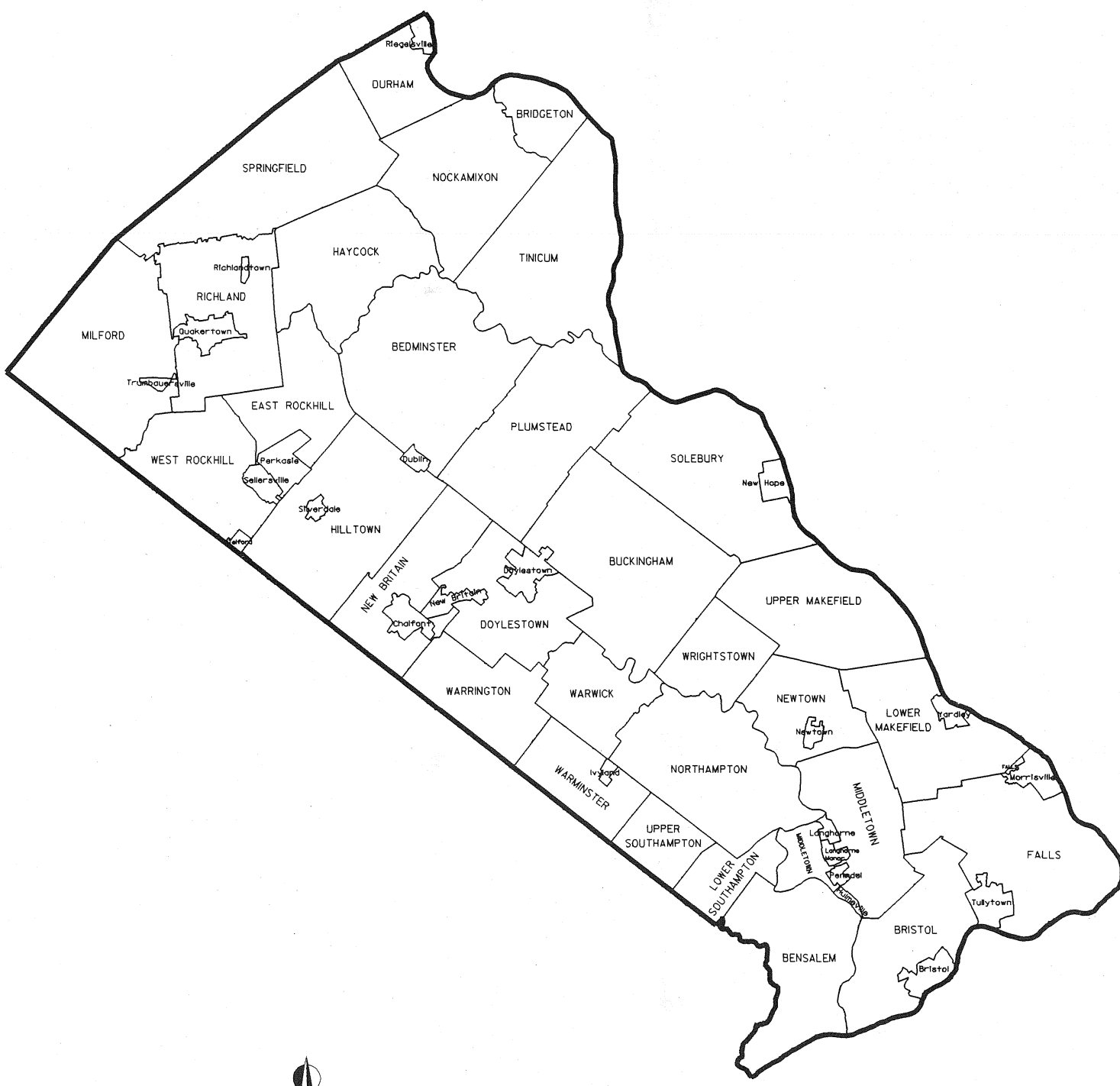
The decreases in the fourth category, **Recreation, Vacant and Wooded** land, seem to be somewhat evenly distributed throughout the County. The ten municipalities with the largest losses were:

<u>Change in square miles</u>		
1.	Buckingham township	-6.9602
2.	Hilltown township	-5.9122
3.	Solebury township	-5.3102
4.	Bedminster township	-4.8982
5.	Tinicum township	-4.5324
6.	Doylestown township	-4.3535
7.	Bensalem township	-3.8116
8.	Northampton township	-3.6202
9.	Milford township	-3.5774
10.	Springfield township	-3.1137

Map 5 1990 LAND USE: BUCKS COUNTY



Map 6 BUCKS COUNTY MUNICIPALITIES



PREPARED BY
DELAWARE VALLEY REGIONAL PLANNING COMMISSION

Table 8

1990 BUCKS COUNTY LAND USE (square miles)

BUCKS COUNTY	SINGLE FAMILY	MULTI- FAMILY	MANU	TRANS	UTILITY	COMMER	COMMUN SERVICE	MILITARY	RECRE	AGRI	MINING	WOODED	VACANT	WATER	TOTAL
5 Bedminster township	1.1770	0.0272	0.1135	0.4217	0.1624	0.1947	0.0596	0.0000	0.0162	20.5072	0.0000	6.7060	1.0187	0.9216	31.33
10 Bensalem township	4.3221	1.7127	1.6443	2.4757	0.0045	2.0298	0.6523	0.0000	0.9859	0.5926	0.0000	3.8968	1.4823	1.1276	20.93
15 Bridgeton township	0.6426	0.0724	0.0653	0.2146	0.0449	0.0782	0.0188	0.0000	0.0035	0.4497	0.0167	4.8286	0.1218	0.2256	6.78
20 Bristol borough	0.0036	0.7331	0.2973	0.1624	0.0265	0.2273	0.0203	0.0000	0.0588	0.0000	0.0000	0.0768	0.1413	0.2342	1.98
25 Bristol township	5.3313	0.4743	1.2253	2.4382	0.3718	1.4754	0.1866	0.0000	0.5493	0.1592	0.0000	2.5145	1.3001	1.1111	17.14
30 Buckingham township	4.0295	0.0417	0.0978	1.5674	0.2152	0.2641	0.0590	0.0000	0.2025	18.3623	0.0000	7.5705	0.4137	0.1407	32.96
35 Chalfont borough	0.5977	0.0361	0.0166	0.2109	0.0000	0.0697	0.0141	0.0000	0.0405	0.1089	0.0000	0.2893	0.2273	0.0210	1.63
40 Doylestown borough	0.7742	0.1275	0.0373	0.4044	0.0007	0.3137	0.1342	0.0000	0.1618	0.0258	0.0000	0.1520	0.0311	0.0018	2.16
45 Doylestown township	4.2350	0.3633	0.0645	1.9788	0.0252	0.2542	0.2722	0.0000	0.2297	3.9035	0.0274	3.0494	0.9252	0.2213	15.55
50 Dublin borough	0.1520	0.0469	0.0000	0.0700	0.0026	0.0672	0.0111	0.0000	0.0000	0.1771	0.0000	0.0286	0.0465	0.0000	0.60
55 Durham township	0.4683	0.0000	0.0180	0.1561	0.1064	0.0225	0.0254	0.0000	0.0018	4.4580	0.0000	3.7331	0.1514	0.1618	9.30
60 East Rockhill township	1.5353	0.0512	0.0185	0.6867	0.1481	0.1094	0.1277	0.0000	0.0901	2.6463	0.1106	6.9078	0.4518	0.2406	13.12
65 Falls township	3.1738	0.3074	4.3693	2.2869	0.0400	1.1497	0.1873	0.0000	0.6708	0.3672	1.6882	5.8739	1.6534	4.9141	26.68
70 Haycock township	1.1506	0.0193	0.0294	0.3990	0.0057	0.0293	0.0252	0.0000	0.0092	3.0430	0.0000	14.4359	0.6394	1.3581	21.14
75 Hilltown township	3.6353	0.1259	0.4037	1.3853	0.1808	0.3431	0.1089	0.0000	0.0909	15.1816	0.1774	4.8149	0.6523	0.0303	27.13
80 Hulmeville borough	0.1701	0.0000	0.0000	0.0567	0.0000	0.0167	0.0000	0.0000	0.0000	0.0451	0.0000	0.0723	0.0000	0.0310	0.39
85 Ivyland borough	0.0900	0.0129	0.0207	0.0485	0.0000	0.0349	0.0020	0.0571	0.0000	0.0330	0.0000	0.0325	0.0199	0.0000	0.35
90 Langhorne borough	0.2414	0.0319	0.0000	0.0808	0.0000	0.0497	0.0037	0.0000	0.0109	0.0150	0.0000	0.0565	0.0000	0.0066	0.50
95 Langhorne Manor bor.	0.2653	0.0221	0.0000	0.1065	0.0000	0.0016	0.0000	0.0000	0.0070	0.0139	0.0000	0.1773	0.0331	0.0037	0.63
100 Lower Makefield tw.	5.6311	0.5842	0.0000	2.2229	0.0362	0.1983	0.1012	0.0000	0.1636	4.6555	0.0000	3.5403	0.7671	0.4462	18.35
105 Lower Southampton tw.	3.0041	0.2087	0.0592	1.1560	0.0077	0.6356	0.2217	0.0000	0.2016	0.0981	0.0000	0.9989	0.0906	0.0246	6.71
110 Middletown township	5.1608	0.6372	0.1533	2.6007	0.0243	1.5090	0.2900	0.0000	0.4700	1.7137	0.0274	5.1084	1.0681	0.5028	19.27
115 Milford township	2.1547	0.0167	0.0147	1.1133	0.2160	0.1781	0.1088	0.0000	0.2819	14.2643	0.0000	9.5315	0.0983	0.0920	28.07
120 Morrisville borough	0.8082	0.0379	0.0519	0.3353	0.0168	0.2353	0.0260	0.0000	0.0740	0.0000	0.0000	0.1789	0.0117	0.2455	2.02
125 New Britain borough	0.4397	0.1118	0.0673	0.1887	0.0016	0.0699	0.0450	0.0000	0.0139	0.0086	0.0059	0.1101	0.0990	0.0026	1.16
130 New Britain township	2.3869	0.2118	0.0740	0.8593	0.0624	0.1861	0.1492	0.0000	0.1163	5.1803	0.0000	3.8647	1.5343	0.6564	15.28
135 New Hope borough	0.2461	0.0675	0.0000	0.0969	0.0000	0.0645	0.0091	0.0000	0.0340	0.0996	0.0000	0.6204	0.0171	0.1390	1.39
140 Newtown borough	0.3035	0.0048	0.0000	0.1013	0.0000	0.1226	0.0061	0.0000	0.0045	0.0000	0.0000	0.0033	0.0000	0.0000	0.55
145 Newtown township	1.6257	0.6699	0.0000	0.6514	0.1649	0.7741	0.0860	0.0000	0.1545	4.5957	0.0000	2.3438	0.7576	0.0784	11.90
150 Nockamixon township	1.0887	0.0588	0.0126	0.3808	0.2691	0.1472	0.0322	0.0000	0.1042	6.9882	0.0952	11.9104	0.9906	0.2744	22.35
155 Northampton township	8.0106	0.6054	0.3162	2.8291	0.0215	0.2962	0.1237	0.0046	0.8048	6.8583	0.0000	4.8851	1.0228	0.4125	26.19
160 Penn del borough	0.1900	0.0174	0.0000	0.0635	0.0000	0.1279	0.0000	0.0000	0.0075	0.0008	0.0000	0.0172	0.0000	0.0000	0.42
165 Perkasi borough	0.9460	0.0764	0.0153	0.3242	0.0000	0.2028	0.0688	0.0000	0.0565	0.2573	0.0000	0.3586	0.1285	0.0125	2.45
170 Plumstead township	1.9818	0.0514	0.2870	0.8482	0.3899	0.1633	0.0531	0.0000	0.0168	15.5061	0.0183	7.6018	0.2963	0.1624	27.38
175 Quakertown borough	0.6878	0.0931	0.0594	0.4599	0.0217	0.1355	0.1004	0.0000	0.1486	0.0754	0.0000	0.1409	0.0905	0.0000	2.01
182 Richland township	1.4122	0.3384	0.3473	0.7133	0.1491	0.2924	0.0545	0.0000	0.0700	8.2767	0.1029	7.0342	1.5750	0.1634	20.53
185 Richlandtown borough	0.1052	0.0152	0.0000	0.0351	0.0000	0.0162	0.0066	0.0000	0.0000	0.0501	0.0000	0.0041	0.0463	0.0000	0.28
190 Riegelsville borough	0.1666	0.0000	0.0000	0.0573	0.0113	0.0093	0.0267	0.0000	0.0117	0.4283	0.0000	0.1923	0.0747	0.0729	1.05
195 Sellersville borough	0.4338	0.0530	0.0000	0.1790	0.0055	0.1421	0.0469	0.0000	0.0461	0.0155	0.0000	0.2563	0.0088	0.0158	1.20

BUCKS COUNTY	SINGLE FAMILY	MULTI- FAMILY	MANU	TRANS	UTILITY	COMMER	COMMUN SERVICE	MILITARY	RECRE	AGRI	MINING	WOODED	VACANT	WATER	TOTAL
200 Silverdale borough	0.1786	0.0173	0.0000	0.0595	0.0000	0.0016	0.0031	0.0000	0.0000	0.1658	0.0000	0.0284	0.0172	0.0000	0.47
205 Solebury township	3.0896	0.1381	0.0000	1.0563	0.2923	0.1177	0.0423	0.0000	0.0103	10.9391	0.1264	10.2435	0.4953	0.5946	27.15
210 Springfield township	2.2042	0.0102	0.0000	0.7400	0.7799	0.3729	0.0493	0.0000	0.0656	13.2339	0.0139	12.3848	0.7906	0.0689	30.71
215 Telford borough	0.2364	0.0013	0.0106	0.0836	0.0000	0.0464	0.0413	0.0000	0.0000	0.0132	0.0000	0.0547	0.0346	0.0000	0.52
220 Tinicum township	1.7723	0.2537	0.0000	0.6438	0.0602	0.1699	0.0251	0.0000	0.0000	12.0105	0.1711	14.8671	0.0552	0.9863	31.02
225 Trumbauersville borough	0.1499	0.0004	0.0000	0.0509	0.0000	0.0000	0.0135	0.0000	0.0000	0.1907	0.0000	0.0038	0.0000	0.0000	0.41
230 Tullytown borough	0.1546	0.0339	0.2263	0.2046	0.5334	0.0948	0.0167	0.0000	0.0314	0.0180	0.0000	0.0099	0.1171	0.6216	2.06
235 Upper Makefield twm.	2.9443	0.0377	0.0000	0.9826	0.0575	0.1005	0.0000	0.0000	0.0281	9.1424	0.0000	7.4799	0.3254	0.4654	21.56
240 Upper Southampton twm.	2.8345	0.3127	0.1643	1.2021	0.0038	0.3412	0.0780	0.0000	0.1116	0.1940	0.0000	1.3422	0.0107	0.0044	6.60
245 Warminster township	3.7430	0.4252	0.5903	1.8109	0.0663	0.2827	0.2459	0.7988	0.7623	0.6030	0.0000	0.6282	0.2056	0.0163	10.18
250 Warrington township	2.4693	0.2208	0.2088	1.0055	0.0433	0.2054	0.1757	0.2504	0.2449	4.8190	0.3865	3.2898	0.3575	0.1226	13.80
255 Warwick township	1.2666	0.1262	0.1903	0.4572	0.1470	0.0790	0.1322	0.0000	0.1623	4.5920	0.0000	3.5592	0.1811	0.1345	11.03
260 West Rockhill township	1.4229	0.0122	0.2562	0.6907	0.2059	0.3244	0.0972	0.0000	0.0202	4.3493	0.0916	8.4429	0.3995	0.1150	16.43
265 Wrightstown township	1.0845	0.0294	0.0000	0.3615	0.0783	0.0994	0.0313	0.0000	0.0328	4.7358	0.4913	2.9712	0.1619	0.0882	10.17
270 Yardley borough	0.3693	0.0367	0.0000	0.1565	0.0074	0.0414	0.0141	0.0000	0.1690	0.0000	0.0000	0.1248	0.0002	0.0842	1.00
TOTALS	92.70	9.72	11.53	39.87	5.01	14.51	4.43	1.11	7.55	204.17	3.55	189.35	21.14	17.35	621.99

Table 9

1970 BUCKS COUNTY LAND USE (square miles)

BUCKS COUNTY	SINGLE FAMILY	MULTI- FAMILY	MANU	TRANS	UTILITY	COMMUN COMMER	SERVICE	MILITARY	RECRE	AGRI	MINING	WOODED	VACANT	WATER	TOTAL
5 Bedminster township	1.4953	0.7984	0.8266	0.5953	0.0406	0.1234	0.2156	0.0000	0.2156	14.9797	0.0000	5.1891	7.2344	0.0375	31.75
10 Bensalem township	3.2906	0.6250	0.7563	1.6594	0.0125	1.2469	0.5156	0.0000	0.4344	2.1125	0.0000	4.0844	5.6578	0.8641	21.26
15 Bridgeton township	0.2609	0.0828	0.1172	0.1141	0.0000	0.0047	0.0016	0.0000	0.0266	0.7438	0.2172	4.1281	0.7969	0.3109	6.81
20 Bristol borough	0.3500	0.0797	0.1531	0.2984	0.0156	0.1859	0.0625	0.0000	0.0531	0.0000	0.0000	0.2000	0.2641	0.2094	1.87
25 Bristol township	5.0500	0.3266	1.1938	1.8188	0.1188	0.6516	0.6516	0.0000	0.6531	0.1172	0.0000	3.3031	2.4703	1.1031	17.46
30 Buckingham township	1.9297	1.7188	0.1813	0.6469	0.1406	0.3406	0.2391	0.0000	0.0219	12.9688	0.0156	9.7141	5.4109	0.0422	33.37
35 Chalfont borough	0.4391	0.0328	0.0313	0.0766	0.0094	0.0328	0.0313	0.0000	0.0828	0.2578	0.0000	0.1391	0.4578	0.0031	1.59
40 Doylestown borough	0.8000	0.0953	0.0297	0.2266	0.0297	0.1797	0.1844	0.0000	0.0969	0.0000	0.0000	0.2953	0.2297	0.0016	2.17
45 Doylestown township	2.3344	0.1797	0.2750	0.3891	0.0672	0.0906	1.0375	0.0000	0.1797	3.3125	0.0250	4.0297	4.3484	0.1531	16.42
50 Dublin borough	0.1469	0.0234	0.0188	0.0297	0.0000	0.0109	0.0031	0.0000	0.0000	0.1609	0.0000	0.0313	0.1813	0.0000	0.61
55 Durham township	0.3516	0.1484	0.0469	0.1844	0.0141	0.1141	0.0594	0.0000	0.0172	2.9031	0.0172	3.1531	2.3719	0.0953	9.47
60 East Rockhill township	0.7828	0.3297	0.0766	0.2797	0.1016	0.0750	0.1359	0.0000	0.3672	2.5844	0.1188	5.7594	2.0172	0.0563	12.69
65 Falls township	2.8156	0.3250	4.4703	1.4000	0.1656	0.5219	0.3797	0.0000	0.5344	2.3734	0.0219	5.0453	3.7094	5.0766	26.84
70 Haycock township	0.4891	0.1906	0.0563	0.3156	0.0000	0.2359	0.0844	0.0000	1.8953	3.1125	0.0000	11.9000	2.8516	0.1563	21.29
75 Hilltown township	2.9156	0.5188	0.2813	0.6531	0.0047	0.1984	0.1594	0.0000	0.0375	10.2656	0.0000	4.6438	6.7891	0.0109	26.48
80 Hulmeville borough	0.0828	0.0219	0.0797	0.0297	0.0047	0.0031	0.0078	0.0000	0.0063	0.0563	0.0000	0.0734	0.0359	0.0000	0.40
85 Ivyland borough	0.0844	0.0047	0.0000	0.0219	0.0016	0.0016	0.0277	0.0571	0.0016	0.0734	0.0000	0.0672	0.0391	0.0000	0.35
90 Langhorne borough	0.1906	0.0344	0.0016	0.0563	0.0031	0.0219	0.0672	0.0000	0.0281	0.0078	0.0000	0.0391	0.0594	0.0000	0.51
95 Langhorne Manor borough	0.2078	0.0156	0.0016	0.0656	0.0156	0.0219	0.0172	0.0000	0.0000	0.0000	0.0000	0.1828	0.1141	0.0000	0.64
100 Lower Makefield township	2.7500	0.3125	0.1844	0.8438	0.0797	0.1281	0.3719	0.0000	0.0203	6.5891	0.0000	3.8719	2.7953	0.3656	18.31
105 Lower Southampton twm.	2.2453	0.1547	0.1000	0.5891	0.0047	0.5266	0.1422	0.0000	0.0891	0.2344	0.0203	1.2531	1.4109	0.0063	6.78
110 Middletown township	3.8734	0.2563	0.0609	1.4594	0.2016	0.3953	0.7578	0.0000	1.6422	3.3547	0.0375	4.1625	3.2891	0.0078	19.50
115 Milford township	1.5859	0.4125	0.1828	0.6688	0.0375	0.1609	0.0719	0.0000	0.0484	11.6688	0.0000	8.5500	4.8906	0.0422	28.32
120 Morrisville borough	0.8359	0.0563	0.0219	0.2516	0.0344	0.1422	0.0891	0.0000	0.0313	0.0031	0.0000	0.1469	0.3219	0.2297	2.16
125 New Britain borough	0.4625	0.0219	0.0484	0.0672	0.0047	0.0813	0.0219	0.0000	0.0000	0.0078	0.0000	0.1375	0.3422	0.0000	1.20
130 New Britain township	1.5531	0.2969	0.0375	0.3453	0.0078	0.0953	0.1719	0.0000	0.0094	5.0531	0.0000	3.6250	4.0953	0.0109	15.30
135 New Hope borough	0.0906	0.0234	0.0047	0.0484	0.0016	0.0453	0.0313	0.0000	0.0219	0.1266	0.0297	0.4656	0.4016	0.1641	1.45
140 Newtown borough	0.2188	0.0484	0.0109	0.0500	0.0047	0.0547	0.0234	0.0000	0.0125	0.0000	0.0000	0.0141	0.1109	0.0000	0.55
145 Newtown township	0.8703	0.5000	0.1953	0.2609	0.1656	0.2656	0.4531	0.0000	0.0078	5.8813	0.0000	1.8813	1.5188	0.0359	12.04
150 Nockamixon township	0.7813	0.2453	0.1625	0.3438	0.0281	0.1063	0.1000	0.0000	0.1031	5.7250	0.0031	11.2219	3.7938	0.1625	22.77
155 Northampton township	3.4922	0.3984	0.1844	0.6688	0.0516	0.2641	0.3704	0.0460	1.0828	10.3828	0.0063	4.9094	4.3406	0.3391	26.49
160 Perndel borough	0.1906	0.0328	0.0203	0.0750	0.0016	0.0234	0.0172	0.0000	0.0094	0.0000	0.0000	0.0156	0.0469	0.0000	0.43
165 Perkasio borough	0.6766	0.0703	0.0484	0.1469	0.0031	0.0813	0.0516	0.0000	0.0453	0.1938	0.0000	0.4281	0.7391	0.0063	2.49
170 Plumstead township	1.7609	0.3719	0.2563	0.4953	0.2891	0.3391	0.0672	0.0000	0.0969	13.0203	0.0016	6.1797	4.5969	0.0953	27.57
175 Quakertown borough	0.6109	0.1375	0.0734	0.1703	0.0078	0.1719	0.1688	0.0000	0.0719	0.1438	0.0000	0.1250	0.3688	0.0000	2.05
182 Richlandtown borough	1.6578	0.6047	0.4219	0.4688	0.0453	0.5875	0.1000	0.0000	0.2391	8.6891	0.0531	3.5641	3.8406	0.1078	20.38
185 Richland township	0.0938	0.0250	0.0031	0.0125	0.0000	0.0359	0.0125	0.0000	0.0000	0.0516	0.0000	0.0016	0.0453	0.0000	0.28
190 Rieglesville borough	0.1203	0.0141	0.0172	0.0375	0.0000	0.0125	0.0125	0.0000	0.0359	0.0703	0.0000	0.1813	0.1609	0.1141	0.78
195 Sellersville borough	0.3188	0.0406	0.0766	0.0813	0.0078	0.0297	0.0453	0.0000	0.0703	0.0000	0.0000	0.2234	0.3125	0.0000	1.21
200 Silverdale borough	0.1359	0.0188	0.0031	0.0141	0.0000	0.0406	0.0047	0.0000	0.0000	0.1625	0.0000	0.0172	0.0859	0.0000	0.48

BUCKS COUNTY	SINGLE FAMILY	MULTI- FAMILY	MANU	TRANS	UTILITY	COMMER	COMMUN SERVICE	MILITARY	RECRE	AGRI	MINING	WOODED	VACANT	WATER	TOTAL
205 Solebury township	1.3250	0.4641	0.2016	0.5703	0.1203	0.2875	0.0953	0.0000	0.2703	9.0844	0.0000	10.9563	4.8328	0.6078	28.82
210 Springfield township	1.4203	0.8172	0.0266	0.5047	0.0469	0.1313	0.1156	0.0000	0.0438	11.2719	0.0094	10.3453	5.9656	0.0531	30.75
215 Telford borough	0.0781	0.0125	0.0172	0.0391	0.0031	0.0141	0.0203	0.0000	0.0000	0.0641	0.0000	0.0813	0.2063	0.0000	0.53
220 Tinicum township	1.0516	0.4484	0.1094	0.7594	0.0063	0.1516	0.1328	0.0000	0.6781	8.0953	0.2813	12.2500	6.5266	0.9141	31.40
225 Trumbauersville borough	0.1188	0.0313	0.0063	0.0141	0.0016	0.0156	0.0172	0.0000	0.0000	0.0813	0.0000	0.0125	0.1250	0.0000	0.42
230 Tullytown borough	0.1516	0.0094	0.0766	0.1422	0.0172	0.0719	0.0391	0.0000	0.0594	0.0766	0.0531	0.3672	0.4109	0.6156	2.09
235 Upper Makefield township	1.1094	0.2875	0.0547	0.3422	0.0000	0.0469	0.0484	0.0000	0.2375	8.8281	0.0000	6.9797	3.7219	0.1797	21.84
240 Upper Southampton twm.	2.4516	0.0469	0.1953	0.5266	0.0516	0.2063	0.1172	0.0000	0.1219	0.4609	0.0000	1.1297	1.3703	0.0000	6.68
245 Warminster township	3.2078	0.4438	0.1906	0.6813	0.0438	0.3891	0.6310	0.7987	0.1422	1.3094	0.0000	0.8125	1.6531	0.0063	10.31
250 Warrington township	2.2813	0.1922	0.1688	0.4031	0.0875	0.2781	0.2590	0.2504	0.2813	4.5641	0.0063	2.3797	3.2500	0.0047	14.41
255 Warwick township	0.7609	0.1125	0.0250	0.1938	0.1078	0.0234	0.1266	0.0000	0.1484	4.9203	0.0000	3.2203	1.4328	0.0141	11.09
260 West Rockhill township	0.9188	0.3156	0.0844	0.5453	0.0297	0.1250	0.0609	0.0000	0.1875	4.1578	0.0328	7.1313	2.7375	0.0547	16.38
265 Wrightstown township	0.4859	0.1172	0.0156	0.1453	0.0609	0.0500	0.0656	0.0000	0.0469	2.3016	0.1797	2.1797	1.2438	0.0297	6.92
270 Yardley borough	0.1766	0.0531	0.0266	0.0672	0.0047	0.0219	0.0281	0.0000	0.1641	0.0328	0.0000	0.1047	0.0719	0.0703	0.82
Totals	63.88	12.95	11.91	20.89	2.30	9.46	8.72	1.11	10.67	182.64	1.13	170.90	116.10	12.36	625.00

Table 10

BUCKS COUNTY CHANGE IN LAND USE 1970 – 1990

GROUPED CATEGORIES (square miles)

	TOTAL AREA	RESIDENTIAL				NON-RESIDENTIAL DEVELOPED				AGRICULTURE				RECREATION, VACANT, WOODED			
		1970	1990	'70 – '90 CHANGE	% CHANGE	1970	1990	'70 – '90 CHANGE	% CHANGE	1970	1990	'70 – '90 CHANGE	% CHANGE	1970	1990	'70 – '90 CHANGE	% CHANGE
BUCKS COUNTY																	
5 Bedminster township	31.75	2.2938	1.2042	-1.0896	-47.5%	1.8016	0.95186	-0.8497	-47.2%	14.9797	20.5072	5.5275	36.9%	12.6391	7.7409	-4.8982	-38.8%
10 Bensalem township	21.26	3.9156	6.0348	2.1191	54.1%	4.1906	6.80658	2.6160	62.4%	2.1125	0.5926	-1.5199	-71.9%	10.1766	6.3650	-3.8116	-37.5%
15 Bridgeton township	6.81	0.3438	0.7149	0.3712	108.0%	0.4547	0.43854	-0.0161	-3.6%	0.7438	0.4497	-0.2940	-39.5%	4.9516	4.9538	0.0023	0.0%
20 Bristol borough	1.87	0.4297	0.7367	0.3070	71.5%	0.7156	0.73392	0.0183	2.6%	0.0000	0.0000	0.0000	0.0%	0.5172	0.2769	-0.2403	-46.5%
25 Bristol township	17.46	5.3766	5.8056	0.4291	8.0%	4.4344	5.69737	1.2630	28.5%	0.1172	0.1592	0.0420	35.9%	6.4266	4.3639	-2.0627	-32.1%
30 Buckingham township	33.37	3.6484	4.0712	0.4228	11.6%	1.5641	2.20352	0.6395	40.9%	12.9688	18.3623	5.3936	41.6%	15.1469	8.1867	-6.9602	-46.0%
35 Chalfont borough	1.59	0.4719	0.6338	0.1619	34.3%	0.1813	0.31139	0.1301	71.8%	0.2578	0.1089	-0.1489	-57.8%	0.6797	0.5572	-0.1225	-18.0%
40 Doylestown borough	2.17	0.8953	0.9017	0.0064	0.7%	0.6500	0.89038	0.2404	37.0%	0.0000	0.0258	0.0258	0.0%	0.6219	0.3449	-0.2770	-44.5%
45 Doylestown township	16.42	2.5141	4.5984	2.0843	82.9%	1.8844	2.62225	0.7379	39.2%	3.3125	3.9035	0.5910	17.8%	8.5578	4.2043	-4.3535	-50.9%
50 Dublin borough	0.61	0.1703	0.1989	0.0286	16.8%	0.0625	0.15084	0.0883	141.3%	0.1609	0.1771	0.0162	10.1%	0.2125	0.0750	-0.1375	-64.7%
55 Durham township	9.47	0.5000	0.4683	-0.0317	-6.3%	0.4359	0.32835	-0.1076	-24.7%	2.9031	4.4580	1.5549	53.6%	5.5422	3.8863	-1.6559	-29.9%
60 East Rockhill township	12.69	1.1125	1.5865	0.4740	42.6%	0.7875	1.20095	0.4134	52.5%	2.5844	2.6463	0.0620	2.4%	8.1438	7.4497	-0.6940	-8.5%
65 Falls township	26.84	3.1406	3.4812	0.3406	10.8%	6.9594	9.7214	2.7620	39.7%	2.3734	0.3672	-2.0063	-84.5%	9.2891	8.1981	-1.0910	-11.7%
70 Haycock township	21.29	0.6797	1.1699	0.4902	72.1%	0.6922	0.48858	-0.2036	-29.4%	3.1125	3.0430	-0.0695	-2.2%	16.6469	15.0845	-1.5623	-9.4%
75 Hiltown township	26.48	3.4344	3.7611	0.3267	9.5%	1.2969	2.59914	1.3023	100.4%	10.2656	15.1816	4.9160	47.9%	11.4703	5.5581	-5.9122	-51.5%
80 Hulmeville borough	0.40	0.1047	0.1701	0.0654	62.4%	0.1250	0.07342	-0.0516	-41.3%	0.0563	0.0451	-0.0112	-19.9%	0.1156	0.0723	-0.0433	-37.5%
85 Ivyland borough	0.35	0.0891	0.1029	0.0139	15.6%	0.1098	0.16321	0.0534	48.6%	0.0734	0.0330	-0.0405	-55.1%	0.1078	0.0524	-0.0555	-51.4%
90 Langhorne borough	0.51	0.2250	0.2733	0.0483	21.5%	0.1500	0.13419	-0.0158	-10.5%	0.0078	0.0150	0.0072	92.6%	0.1266	0.0674	-0.0592	-46.8%
95 Langhorne Manor borough	0.64	0.2234	0.2874	0.0640	28.6%	0.1219	0.10812	-0.0138	-11.3%	0.0000	0.0139	0.0139	0.0%	0.2969	0.2174	-0.0795	-26.8%
100 Lower Makefield township	18.31	3.0625	6.2153	3.1528	102.9%	1.6078	2.55852	0.9507	59.1%	6.5891	4.6555	-1.9336	-29.3%	6.6875	4.4709	-2.2166	-33.1%
105 Lower Southampton twm.	6.78	2.4000	3.2128	0.8128	33.9%	1.3828	2.08016	0.6973	50.4%	0.2344	0.0981	-0.1362	-58.1%	2.7531	1.2912	-1.4620	-53.1%
110 Middletown township	19.50	4.1297	5.7980	1.6683	40.4%	2.9125	4.60462	1.6921	58.1%	3.3547	1.7137	-1.6410	-48.9%	9.0938	6.6465	-2.4473	-26.9%
115 Milford township	28.32	1.9984	2.1715	0.1730	8.7%	1.1219	1.63081	0.5089	45.4%	11.6688	14.2643	2.5956	22.2%	13.4891	9.9116	-3.5774	-26.5%
120 Morrisville borough	2.16	0.8922	0.8461	-0.0461	-5.2%	0.5391	0.6653	0.1262	23.4%	0.0031	0.0000	-0.0031	1.0%	0.5000	0.2647	-0.2353	-47.1%
125 New Britain borough	1.20	0.4844	0.5516	0.0672	13.9%	0.2234	0.37843	0.1550	69.4%	0.0078	0.0086	0.0007	9.4%	0.4797	0.2230	-0.2567	-53.5%
130 New Britain township	15.30	1.8500	2.5987	0.7487	40.5%	0.6578	1.33099	0.6732	102.3%	5.0531	5.1803	0.1272	2.5%	7.7297	5.5153	-2.2144	-28.6%
135 New Hope borough	1.45	0.1141	0.3136	0.1995	174.9%	0.1609	0.17045	0.0095	5.9%	0.1266	0.0996	-0.0270	-21.3%	0.8891	0.6715	-0.2176	-24.5%
140 Newtown borough	0.55	0.2672	0.3083	0.0411	15.4%	0.1438	0.22995	0.0862	60.0%	0.0000	0.0000	0.0000	0.0%	0.1375	0.0078	-0.1297	-94.3%
145 Newtown township	12.04	1.3703	2.2956	0.9253	67.5%	1.3406	1.67639	0.3358	25.0%	5.8813	4.5957	-1.2855	-21.9%	3.4078	3.2559	-0.1519	-4.5%
150 Nockamixon township	22.77	1.0266	1.1475	0.1209	11.8%	0.7438	0.93719	0.1934	26.0%	5.7250	6.9882	1.2632	22.1%	15.1188	13.0052	-2.1135	-14.0%
155 Northampton township	26.49	3.8906	8.6160	4.7254	121.5%	1.5914	3.59134	1.9999	125.7%	10.3828	6.8583	-3.5246	-33.9%	10.3328	6.7126	-3.6202	-35.0%
160 Pennndel borough	0.43	0.2234	0.2074	-0.0160	-7.2%	0.1375	0.19134	0.0538	39.2%	0.0000	0.0008	0.0008	0.0%	0.0719	0.0247	-0.0472	-65.6%
165 Perkasio borough	2.49	0.7469	1.0224	0.2756	36.9%	0.3313	0.61113	0.2799	84.5%	0.1938	0.2573	0.0636	32.8%	1.2125	0.5436	-0.6689	-55.2%
170 Plumstead township	27.57	2.1328	2.0332	-0.0997	-4.7%	1.4484	1.75985	0.3114	21.5%	13.0203	15.5061	2.4858	19.1%	10.8734	7.9149	-2.9586	-27.2%
175 Quakertown borough	2.05	0.7484	0.7809	0.0324	4.3%	0.5922	0.77682	0.1846	31.2%	0.1438	0.0754	-0.0683	-47.5%	0.5656	0.3799	-0.1858	-32.8%
182 Richlandtown borough	20.38	2.2625	1.7506	-0.5119	-22.6%	1.6766	1.6595	-0.0171	-1.0%	8.6891	8.2767	-0.4123	-4.7%	7.6438	8.6792	1.0355	13.5%
185 Richland township	0.28	0.1188	0.1204	0.0016	1.4%	0.0641	0.05787	-0.0062	-9.7%	0.0516	0.0501	-0.0015	-2.8%	0.0469	0.0503	0.0034	7.4%
190 Rieglesville borough	0.78	0.1344	0.1666	0.0322	24.0%	0.0797	0.10458	0.0249	31.2%	0.0703	0.4283	0.3580	509.2%	0.3781	0.2787	-0.0995	-26.3%
195 Sellersville borough	1.21	0.3594	0.4868	0.1274	35.5%	0.2406	0.37353	0.1329	55.2%	0.0000	0.0155	0.0155	0.0%	0.6063	0.3112	-0.2951	-48.7%

BUCKS COUNTY	TOTAL AREA	RESIDENTIAL				NON-RESIDENTIAL DEVELOPED				AGRICULTURE				RECREATION, VACANT, WOODED			
		1970	1990	'70 - '90 CHANGE	% CHANGE	1970	1990	'70 - '90 CHANGE	% CHANGE	1970	1990	'70 - '90 CHANGE	% CHANGE	1970	1990	'70 - '90 CHANGE	% CHANGE
200 Silverdale borough	0.48	0.1547	0.1959	0.0412	26.6%	0.0625	0.0642	0.0017	2.7%	0.1625	0.1658	0.0033	2.0%	0.1031	0.0457	-0.0575	-55.7%
205 Solebury township	28.82	1.7891	3.2277	1.4386	80.4%	1.2750	1.6351	0.3601	28.2%	9.0844	10.9391	1.8547	20.4%	16.0594	10.7491	-5.3102	-33.1%
210 Springfield township	30.75	2.2375	2.2144	-0.0231	-1.0%	0.8344	1.9559	1.1216	134.4%	11.2719	13.2339	1.9620	17.4%	16.3547	13.2410	-3.1137	-19.0%
215 Telford borough	0.53	0.0906	0.2378	0.1471	162.4%	0.0938	0.1819	0.0882	94.0%	0.0641	0.0132	-0.0508	-79.4%	0.2875	0.0893	-0.1982	-68.9%
220 Tinicum township	31.40	1.5000	2.0260	0.5260	35.1%	1.4406	1.0701	-0.3706	-25.7%	8.0953	12.0105	3.9152	48.4%	19.4547	14.9223	-4.5324	-23.3%
225 Trumbauersville borough	0.42	0.1501	0.1503	0.0002	0.1%	0.0548	0.0644	0.0096	17.4%	0.0813	0.1907	0.1094	134.6%	0.1375	0.0038	-0.1337	-97.2%
230 Tullytown borough	2.09	0.1609	0.1885	0.0276	17.1%	0.4000	1.0758	0.6758	169.0%	0.0766	0.0180	-0.0586	-76.5%	0.8375	0.1584	-0.6791	-81.1%
235 Upper Makefield township	21.84	1.3969	2.9820	1.5851	113.5%	0.4922	1.1406	0.6484	131.7%	8.8281	9.1424	0.3143	3.6%	10.9391	7.8334	-3.1057	-28.4%
240 Upper Southampton twm.	6.68	2.4984	3.1472	0.6488	26.0%	1.0969	1.7894	0.6926	63.1%	0.4609	0.1940	-0.2669	-57.9%	2.6219	1.4644	-1.1575	-44.1%
245 Warminster township	10.31	3.6516	4.1682	0.5166	14.1%	2.7344	3.7948	1.0605	38.8%	1.3094	0.6030	-0.7063	-53.9%	2.6078	1.5960	-1.0118	-38.8%
250 Warrington towmsnip	14.41	2.4734	2.6901	0.2167	8.8%	1.4532	2.2756	0.8225	56.6%	4.5641	4.8190	0.2549	5.6%	5.9109	3.8923	-2.0187	-34.2%
255 Warwick township	11.09	0.8734	1.3928	0.5194	59.5%	0.4766	1.0056	0.5291	111.0%	4.9203	4.5920	-0.3283	-6.7%	4.8016	3.9026	-0.8990	-18.7%
260 West Rockhill township	16.38	1.2344	1.4351	0.2007	16.3%	0.8781	1.6660	0.7879	89.7%	4.1578	4.3493	0.1915	4.6%	10.0563	8.8626	-1.1937	-11.9%
265 Wrightstown township	6.92	0.6031	1.1138	0.5107	84.7%	0.5172	1.0617	0.5446	105.3%	2.3016	4.7358	2.4342	105.8%	3.4703	3.1659	-0.3045	-8.8%
270 Yardley borough	0.82	0.2297	0.4060	0.1763	76.8%	0.1484	0.2194	0.0710	47.8%	0.0328	0.0000	-0.0328	1.0%	0.3406	0.2940	-0.0466	-13.7%
Totals	625.00	76.83	102.42	25.59	33.3%	55.53	80.01	24.48	44.1%	182.64	204.17	21.53	11.8%	297.67	218.04	-79.63	-26.8%

CHESTER COUNTY PROFILE

According to the Census Bureau, between 1970 - 1990 the population of Chester County increased by 98,085 and 58,480 residential units were authorized by building permits. The BEA employment figures also show that total employment in the County increased by 93,811 over that same time period. The DVRPC Municipal Land Use Files attempt to identify where this growth occurred and which land uses have decreased or increased.

The development patterns in Chester County seem to follow the main transportation corridors: Route 30, Route 202 and Route 3. The ten municipalities that had the largest gain in the **Residential** land use categories were:

Change in square miles

1.	East Goshen township	2.1228
2.	West Bradford township	2.0414
3.	West Caln township	1.8120
4.	East Bradford township	1.7057
5.	Upper Uwchlan township	1.6646
6.	West Brandywine township	1.5541
7.	East Brandywine township	1.3916
8.	East Marlborough township	1.2843
9.	Uwchlan township	1.1909
10.	Westtown township	1.0954

The greatest increases in **Non-Residential** development in Chester County occurred in the eastern portion of the County. The ten largest increases were in:

Change in square miles

1.	Tredyffrin township	2.5568
2.	West Goshen township	1.4012
3.	West Bradford township	1.2778
4.	Uwchlan township	1.2002
5.	East Whiteland township	1.0176
6.	East Goshen township	0.8962
7.	Easttown township	0.8196
8.	Westtown township	0.8069
9.	East Bradford township	0.6787
10.	Willistown township	0.6763

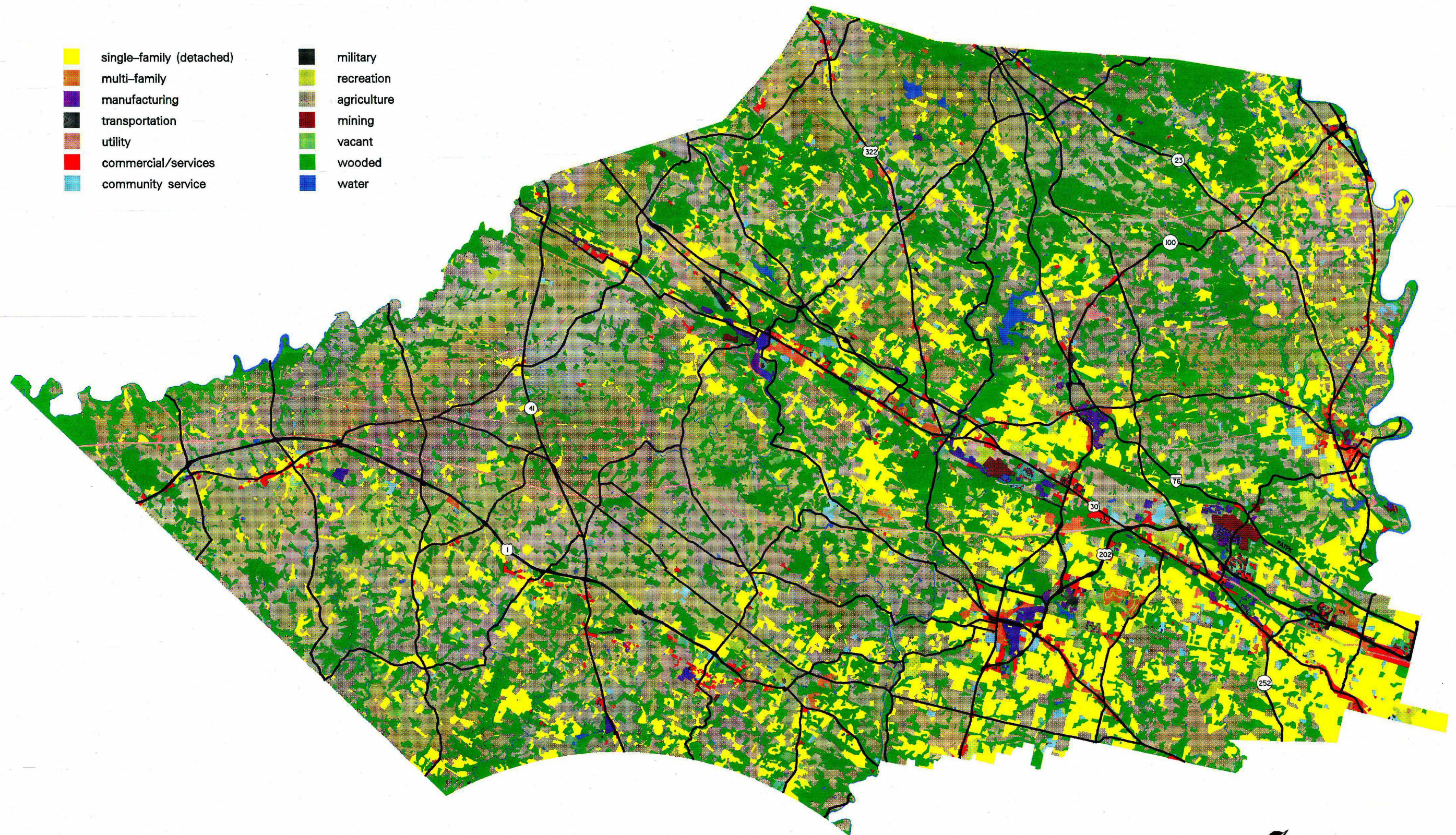
Agricultural land loss occurred in all areas of Cester County, while the greatest losses seem to be in the central or western portions of the County where residential development has ensued. The ten municipalities with the largest losses were:

<u>Change in square miles</u>		
1.	Upper Uwchlan township	-3.7996
2.	West Bradford township	-3.1353
3.	East Goshen township	-2.4573
4.	Wallace township	-2.4005
5.	Tredyffrin township	-2.3274
6.	East Brandywine township	-2.1836
7.	East Bradford township	-2.1131
8.	London Britain township	-2.0426
9.	Uwchlan township	-2.0367
10.	West Brandywine township	-2.0081

The grouped category of **Recreation, Vacant and Wooded** land area in Chester County had decreases and increases in all areas of the County. The ten municipalities with the largest decreases were:

<u>Change in square miles</u>		
1.	Westtown township	-1.5511
2.	Caln township	-1.1580
3.	West Goshen township	-1.0994
4.	Tredyffrin township	-1.0751
5.	Warwick township	-0.9042
6.	East Coventry township	-0.8916
7.	Birmingham township	-0.8756
8.	West Caln township	-0.8321
9.	Easttown township	-0.7877
10.	Pocopson township	-0.7130

Map 7: 1990 LAND USE: CHESTER COUNTY



Map 8
CHESTER COUNTY MUNICIPALITIES

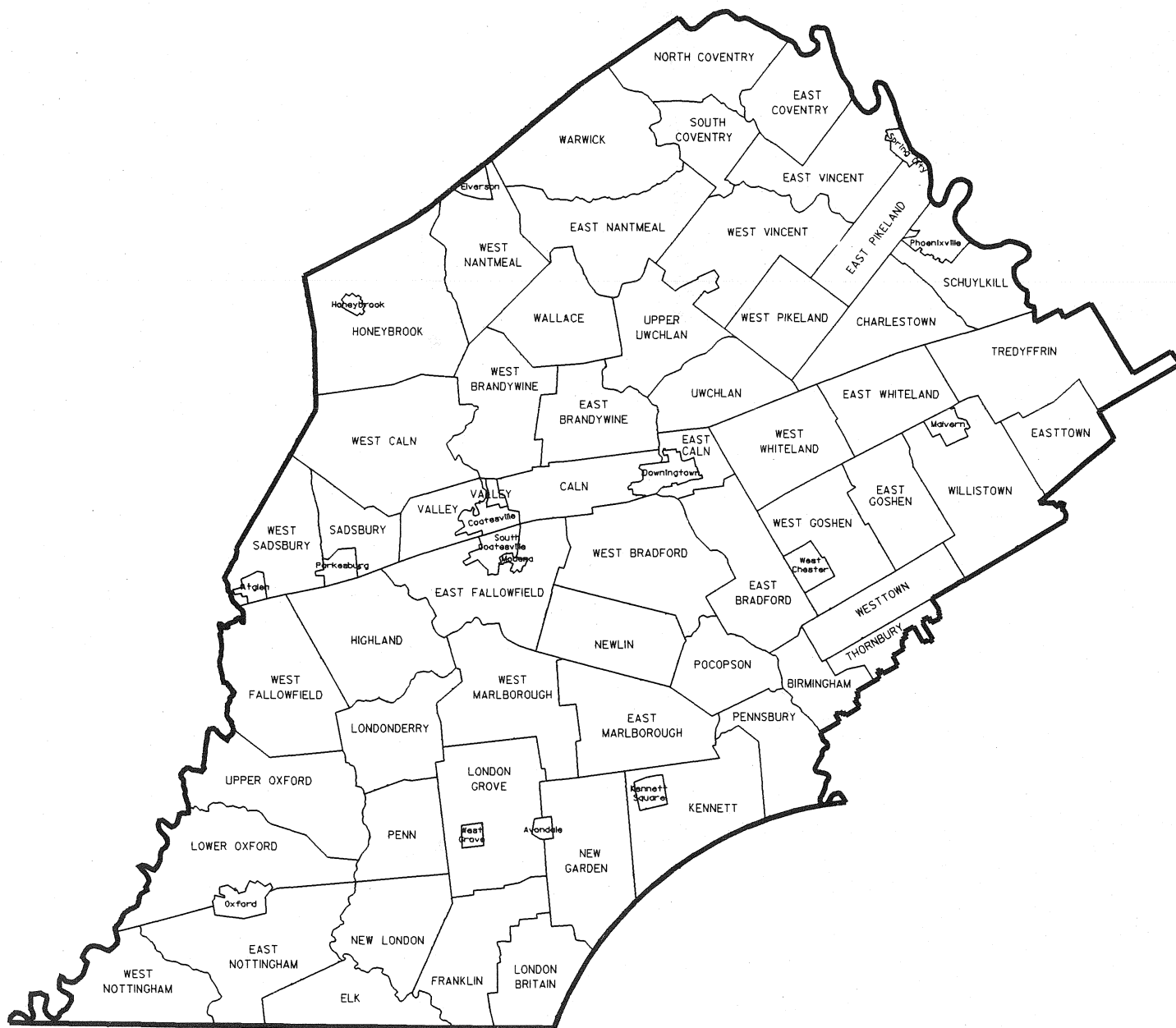


Table 11

1990 CHESTER COUNTY LAND USE (square miles)

CHESTER COUNTY	SINGLE FAMILY	MULTI- FAMILY	MANU	TRANS	UTILITY	COMMER	COMMUN SERVICE	MILITARY	RECRE	AGRI	MINING	WOODED	VACANT	WATER	TOTAL
5 Atglen borough	0.1514	0.0000	0.0000	0.0559	0.0218	0.0147	0.0164	0.0000	0.0000	0.3493	0.0000	0.1807	0.0360	0.0023	0.83
10 Avondale borough	0.1108	0.0000	0.0000	0.0369	0.0000	0.0641	0.0023	0.0000	0.0000	0.1324	0.0000	0.0990	0.0287	0.0114	0.49
15 Birmingham township	1.3219	0.0000	0.0000	0.4510	0.0476	0.0723	0.0450	0.0000	0.2059	2.3799	0.0000	1.5558	0.0705	0.0753	6.23
20 Caln township	1.5593	0.2950	0.0808	0.8914	0.0893	0.4261	0.2669	0.0000	0.4058	1.2324	0.0000	3.2203	0.3893	0.0252	8.88
25 Charlestown township	1.1888	0.0000	0.0952	0.5069	0.0865	0.0378	0.1624	0.0000	0.1192	4.1975	0.0861	5.9545	0.0486	0.0218	12.51
30 Coatesville city	0.3129	0.4221	0.1715	0.1250	0.0115	0.1184	0.0935	0.0000	0.0409	0.0225	0.0000	0.4857	0.0271	0.0177	1.85
35 Downingtown borough	0.4944	0.2023	0.2339	0.2188	0.0059	0.1099	0.0550	0.0000	0.0979	0.3771	0.0000	0.3372	0.0223	0.0315	2.19
40 East Bradford township	2.5551	0.1756	0.0000	0.8519	0.2465	0.0433	0.0354	0.0000	0.2499	5.2932	0.0000	5.1652	0.3332	0.1738	15.12
45 East Brandywine tw.	2.4515	0.0370	0.0117	0.8172	0.0333	0.0764	0.0428	0.0000	0.0124	4.0523	0.0000	3.5829	0.0505	0.0542	11.22
50 East Caln township	0.4767	0.1099	0.1005	0.2197	0.0188	0.1931	0.0294	0.0000	0.2680	0.4761	0.3914	1.2290	0.1181	0.0748	3.71
55 East Coventry township	2.1117	0.0090	0.0585	0.7039	0.2220	0.0813	0.0739	0.0000	0.0000	5.7586	0.0000	1.7115	0.0000	0.1466	10.88
60 East Fallowfield township	1.8697	0.0162	0.0167	0.6232	0.2719	0.0674	0.0893	0.0000	0.0480	7.1579	0.0944	5.2208	0.1472	0.0945	15.72
65 East Goshen township	3.2578	0.8275	0.0220	1.1508	0.0022	0.1215	0.0590	0.0000	0.3113	1.8067	0.0000	2.1568	0.3423	0.0630	10.12
70 East Marlborough tw.	2.1316	0.0245	0.0000	0.7949	0.0247	0.1296	0.1951	0.0000	0.4839	8.7501	0.0000	2.7914	0.1598	0.0599	15.55
75 East Nantmeal township	0.6687	0.0000	0.0143	0.2785	0.1613	0.0076	0.0281	0.0000	0.0013	6.5849	0.0000	8.5203	0.0075	0.1185	16.39
80 East Nottingham township	1.0717	0.0175	0.0000	0.4660	0.2443	0.1630	0.0230	0.0000	0.0335	14.3500	0.0000	3.3014	0.2277	0.0840	19.98
85 East Pikeland township	1.7791	0.0629	0.0309	0.6122	0.1390	0.1907	0.0656	0.0000	0.0103	3.3254	0.0000	2.4952	0.0742	0.1137	8.90
90 Easttown township	3.6942	0.0474	0.0000	1.2493	0.0054	0.2129	0.1473	0.0000	0.2718	0.9957	0.0000	1.5899	0.0162	0.0114	8.24
95 East Vincent township	1.4790	0.0239	0.0058	0.4964	0.0811	0.1097	0.2323	0.0000	0.2640	8.3272	0.0000	2.3708	0.0286	0.2290	13.65
100 East Whiteland township	1.5366	0.1327	0.6337	1.0938	0.3270	0.6874	0.4213	0.0000	0.3839	1.5116	0.6670	3.0441	0.4812	0.0457	10.97
105 Elk township	0.4087	0.0000	0.0000	0.1362	0.0000	0.0024	0.0081	0.0000	0.0000	6.0486	0.0000	3.5464	0.0872	0.0758	10.31
110 Elverson township	0.1311	0.0000	0.0223	0.0460	0.0000	0.0317	0.0207	0.0000	0.0000	0.4596	0.0000	0.2627	0.0099	0.0123	1.00
115 Franklin township	1.2720	0.0000	0.0000	0.4240	0.0501	0.0044	0.0346	0.0000	0.0050	6.9347	0.0000	3.9258	0.2948	0.0622	13.01
120 Highland township	0.1783	0.0000	0.0000	0.0594	0.2572	0.0279	0.0145	0.0000	0.0086	13.1944	0.0000	3.3032	0.0970	0.0347	17.18
125 Honey Brook borough	0.1789	0.0073	0.0000	0.0605	0.0033	0.0351	0.0290	0.0000	0.0000	0.1304	0.0000	0.0000	0.0264	0.0000	0.47
130 Honey Brook township	1.2709	0.2162	0.0000	0.4276	0.1094	0.2158	0.0455	0.0000	0.0000	15.3144	0.0022	6.8820	0.5314	0.3700	25.39
137 Kennett township	2.7310	0.1080	0.0624	0.9640	0.0088	0.1000	0.0576	0.0000	0.0442	6.2762	0.0252	4.7834	0.3234	0.0692	15.55
140 Kennett Square borough	0.3334	0.0137	0.0792	0.1249	0.0000	0.1495	0.0123	0.0000	0.0348	0.2209	0.0000	0.0908	0.0222	0.0000	1.08
145 London Britain township	1.5425	0.0000	0.0000	0.5206	0.0000	0.0107	0.0000	0.0000	0.0000	3.5590	0.0000	4.3110	0.0000	0.0888	10.03
150 Londonderry township	0.5641	0.0000	0.0000	0.1915	0.1876	0.0188	0.0366	0.0000	0.0000	8.0848	0.0000	2.2964	0.0890	0.0240	11.49
155 London Grove township	1.3507	0.0000	0.0000	0.6061	0.0379	0.1633	0.0639	0.0000	0.0881	10.7643	0.0000	4.0066	0.1656	0.0682	17.31
160 Lower Oxford township	0.7282	0.0000	0.1411	0.4360	0.5713	0.0306	0.1525	0.0000	0.0355	11.7759	0.0000	3.7537	0.3008	0.3153	18.24
165 Malvern borough	0.2858	0.0847	0.0600	0.0996	0.0000	0.0460	0.0943	0.0000	0.0542	0.1403	0.0000	0.3863	0.0000	0.0052	1.26
170 Modena borough	0.0729	0.0000	0.0493	0.0243	0.0001	0.0000	0.0000	0.0000	0.0000	0.0149	0.0000	0.1735	0.0000	0.0089	0.34
175 New Garden township	1.6102	0.0600	0.1657	0.7307	0.0000	0.2237	0.0481	0.0000	0.1807	8.5725	0.0044	3.8781	0.2700	0.1383	15.88
180 Newlin township	0.4366	0.0000	0.0000	0.1455	0.1851	0.0209	0.0100	0.0000	0.0000	6.1303	0.0000	4.7555	0.1978	0.1618	12.04
185 New London township	1.2655	0.0000	0.0000	0.4218	0.0745	0.0190	0.0256	0.0000	0.0444	6.5925	0.0000	3.1878	0.2149	0.0860	11.93
190 North Coventry township	2.5016	0.0529	0.0000	1.0044	0.0696	0.1620	0.0804	0.0000	0.0479	4.2386	0.0000	4.9626	0.0963	0.2408	13.46
195 Oxford borough	0.4349	0.0248	0.0160	0.2011	0.0495	0.1125	0.0381	0.0000	0.0320	0.7906	0.0000	0.1874	0.0602	0.0000	1.95
200 Parkesburg borough	0.4812	0.0056	0.0000	0.1857	0.0182	0.0628	0.0000	0.0000	0.0200	0.1721	0.0111	0.1766	0.0938	0.0035	1.23

CHESTER COUNTY	SINGLE FAMILY	MULTI- FAMILY	MANU	TRANS	UTILITY	COMMER	COMMUN SERVICE	MILITARY	RECRE	AGRI	MINING	WOODED	VACANT	WATER	TOTAL
207 Penn township	0.7503	0.0871	0.0000	0.3396	0.1395	0.0371	0.0404	0.0000	0.0115	6.3976	0.0000	1.6180	0.1269	0.0200	9.57
210 Pennsbury township	1.5637	0.1691	0.0000	0.5387	0.0377	0.0406	0.0500	0.0000	0.0000	3.2449	0.0000	4.3035	0.1862	0.1217	10.26
215 Phoenixville borough	0.7234	0.4905	0.1051	0.2553	0.0197	0.3373	0.1544	0.0000	0.1228	0.2873	0.0547	0.8555	0.1202	0.2259	3.75
220 Pocopson township	1.1082	0.0000	0.0145	0.3726	0.0764	0.0000	0.0605	0.0000	0.0000	4.3264	0.0000	2.3885	0.0751	0.0751	8.50
225 Sadsbury township	0.6674	0.0353	0.0000	0.2238	0.1357	0.0529	0.0581	0.0000	0.0000	3.3450	0.0000	1.5828	0.1285	0.0094	6.24
230 Schuylkill township	2.0675	0.0531	0.0363	0.6934	0.1025	0.0690	0.3215	0.0000	0.4258	1.9993	0.0689	2.6860	0.0157	0.3958	8.93
235 South Coatesville borough	0.1525	0.0005	0.2634	0.0666	0.1083	0.0240	0.0121	0.0000	0.0077	0.1215	0.0000	0.8800	0.1229	0.0255	1.78
240 South Coventry township	0.9524	0.0000	0.0000	0.3291	0.0829	0.0603	0.0727	0.0000	0.1031	2.5670	0.0000	3.4374	0.0109	0.0122	7.63
245 Spring City borough	0.3259	0.0554	0.0000	0.1086	0.0215	0.0492	0.0067	0.0000	0.0000	0.0700	0.0000	0.1328	0.0000	0.0464	0.82
250 Thornbury township	0.7646	0.0000	0.0000	0.2648	0.0000	0.0517	0.0995	0.0000	0.2209	1.4269	0.0000	1.1091	0.0018	0.0076	3.95
255 Tredyffrin township	6.8851	0.6206	0.0970	3.3067	0.3617	1.0197	0.3701	0.0000	0.4566	1.9132	0.0579	4.2714	0.4797	0.0354	19.88
260 Upper Oxford township	0.4902	0.0000	0.0000	0.2514	0.2703	0.0085	0.0179	0.0000	0.0000	12.1420	0.0000	3.4024	0.1445	0.0465	16.77
265 Upper Uwchlan township	1.9643	0.0113	0.0048	0.8444	0.1810	0.1180	0.0484	0.0000	0.0675	3.9223	0.0240	3.7091	0.2154	0.8316	11.94
270 Uwchlan township	2.6069	0.2418	0.5744	1.1311	0.0000	0.1177	0.0833	0.0000	0.1226	2.4087	0.0000	2.7041	0.3996	0.0346	10.42
275 Valley township	0.8405	0.0195	0.2572	0.5331	0.0842	0.0573	0.0309	0.0000	0.0377	1.5724	0.0009	2.2668	0.2353	0.0184	5.95
280 Wallace township	1.2715	0.0000	0.0000	0.5195	0.2040	0.0140	0.0161	0.0000	0.0967	3.7120	0.0000	5.7668	0.1323	0.0861	11.82
285 Warwick township	1.2002	0.0000	0.0099	0.4001	0.0000	0.0359	0.0397	0.0000	0.0016	6.2604	0.0514	11.1365	0.0670	0.0749	19.28
290 West Bradford township	3.0952	0.0915	0.0000	1.1152	0.4007	0.0974	0.2192	0.0000	0.0255	6.2335	0.0000	7.1461	0.1588	0.0791	18.66
295 West Brandywine township	2.1977	0.1721	0.0190	0.7657	0.1555	0.0467	0.0423	0.0000	0.0696	5.4388	0.0000	4.3588	0.0600	0.0855	13.41
300 West Caln township	2.5966	0.0857	0.0109	0.8672	0.1851	0.0452	0.0579	0.0000	0.1852	8.2868	0.0000	9.2463	0.2067	0.2011	21.97
305 West Chester borough	0.5104	0.4177	0.2071	0.1977	0.0000	0.2003	0.1262	0.0000	0.1126	0.0156	0.0000	0.0156	0.0321	0.0000	1.84
310 West Fallowfield township	0.4635	0.0000	0.0000	0.1592	0.2086	0.0349	0.0403	0.0000	0.1742	13.3735	0.0000	3.5616	0.1562	0.0186	18.19
315 West Goshen township	3.8600	0.1825	0.7269	1.7573	0.0727	0.6741	0.3656	0.0000	0.2492	1.2466	0.0000	2.6091	0.1783	0.1219	12.04
320 West Grove borough	0.2891	0.0000	0.0000	0.0965	0.0012	0.0417	0.0044	0.0000	0.0073	0.0602	0.0000	0.0770	0.0493	0.0000	0.63
325 West Marlborough twm.	0.1689	0.0000	0.0000	0.0563	0.2868	0.0198	0.0000	0.0000	0.0214	12.9963	0.0000	3.3335	0.0000	0.0709	16.95
330 West Nantmeal twm.	0.7830	0.0000	0.0408	0.3318	0.0135	0.0142	0.0237	0.0000	0.0578	7.4710	0.0000	4.4860	0.1336	0.1476	13.50
335 West Nottingham twm.	0.6453	0.0828	0.0269	0.3228	0.3085	0.0882	0.0156	0.0000	0.0000	5.7046	0.0000	6.7691	0.0130	0.1048	14.08
340 West Pikeland twm.	1.0682	0.0000	0.0000	0.3817	0.0073	0.0316	0.0164	0.0000	0.0000	4.2945	0.0000	4.0615	0.0347	0.0419	9.94
345 West Sadsbury township	0.7721	0.0000	0.0259	0.3944	0.0563	0.1858	0.0069	0.0000	0.0000	6.6194	0.0321	2.4001	0.0586	0.0152	10.57
350 Westtown township	3.0996	0.1099	0.0024	1.0664	0.0024	0.0707	0.1383	0.0000	0.0502	2.0834	0.0000	1.9228	0.1493	0.0351	8.73
355 West Vincent township	1.0603	0.0000	0.0000	0.3534	0.0000	0.0905	0.0124	0.0000	0.0000	8.7641	0.0000	7.3918	0.0136	0.1185	17.80
360 West Whiteland township	2.2886	0.5294	0.1812	1.1244	0.3249	0.6768	0.1946	0.0000	0.2180	2.5793	0.0272	4.0836	0.6367	0.0301	12.89
365 Willistown township	4.0665	0.0584	0.0676	1.4081	0.0139	0.1182	0.3170	0.0000	0.2858	6.1811	0.0000	5.8188	0.0000	0.0590	18.39
TOTALS	99.30	6.49	4.74	39.03	7.53	8.89	5.92	0.00	6.93	333.56	1.6	229.41	9.83	6.42	759.66

Table 12

1970 CHESTER COUNTY LAND USE (square miles)

CHESTER COUNTY	SINGLE FAMILY	MULTI- FAMILY	MANU	TRANS	UTILITY	COMMER	COMMUN SERVICE	MILITARY	RECRE	AGRI	MINING	WOODED	VACANT	WATER	TOTAL
5 Atglen borough	0.0953	0.0063	0.0203	0.0875	0.0094	0.0125	0.0156	0.0000	0.0000	0.3641	0.0000	0.1141	0.1109	0.0063	0.84
10 Avondale borough	0.1063	0.0031	0.0172	0.0438	0.0063	0.0156	0.0063	0.0000	0.0359	0.1141	0.0125	0.0516	0.0703	0.0156	0.50
15 Birmingham township	0.5109	0.0000	0.0594	0.1297	0.0000	0.0344	0.0078	0.0000	0.2125	2.7453	0.0000	0.9984	1.4969	0.0438	6.24
20 Cain township	1.2641	0.1000	0.0484	0.7000	0.0391	0.3594	0.1625	0.0000	0.3859	1.2813	0.0000	2.2563	2.5313	0.0984	9.23
25 Charlestown township	1.2078	0.0078	0.0031	0.4969	0.0078	0.0266	0.1656	0.0000	0.0172	3.9328	0.0563	4.4328	1.8859	0.1672	12.41
30 Coatesville city	0.2859	0.3563	0.1750	0.2641	0.0141	0.1250	0.0609	0.0000	0.0328	0.0078	0.0000	0.2859	0.2578	0.0063	1.87
35 Downingtown borough	0.3672	0.2219	0.1656	0.3766	0.0156	0.0891	0.1063	0.0000	0.0922	0.4453	0.0000	0.1391	0.2453	0.0297	2.29
40 East Bradford township	0.9844	0.0406	0.0188	0.3141	0.0766	0.0391	0.0500	0.0000	0.2141	7.4063	0.0000	3.9219	1.8734	0.1797	15.12
45 East Brandywine township	1.0594	0.0375	0.0844	0.2422	0.0391	0.0797	0.0219	0.0000	0.0516	6.2359	0.0000	2.6828	1.3906	0.0438	11.97
50 East Cain township	0.4000	0.0563	0.5328	0.2797	0.0094	0.1156	0.0297	0.0000	0.3188	0.5656	0.0000	0.9234	0.4922	0.0484	3.77
55 East Coventry township	1.3453	0.0313	0.0250	0.3172	0.0000	0.1406	0.0406	0.0000	0.0125	6.0938	0.0000	1.0609	1.5297	0.2547	10.85
60 East Fallowfield township	0.7953	0.0703	0.0031	0.2797	0.0063	0.0922	0.0438	0.0000	0.0250	8.9297	0.1266	3.8922	1.3406	0.1375	15.74
65 East Goshen township	1.9234	0.0391	0.0219	0.2453	0.0063	0.1203	0.0656	0.0000	0.1781	4.2641	0.0000	2.0438	1.2047	0.1203	10.23
70 East Marlborough township	0.8531	0.0188	0.0031	0.3609	0.0031	0.0563	0.0766	0.0000	0.5547	10.2516	0.0000	2.6313	0.6641	0.1063	15.58
75 East Natmeal township	0.5438	0.0000	0.0000	0.2953	0.0000	0.0609	0.0391	0.0000	0.0000	7.2438	0.0000	7.2797	0.5063	0.5000	16.47
80 East Nottingham township	0.4375	0.0297	0.0047	0.4563	0.0234	0.1297	0.0328	0.0000	0.0047	16.1172	0.0031	2.3594	0.2766	0.1500	20.03
85 East Pikeland township	1.1750	0.0281	0.0422	0.2922	0.0531	0.1250	0.0563	0.0000	0.1281	4.6703	0.0000	1.6391	0.5438	0.1922	8.95
90 Easttown township	3.1016	0.0281	0.0266	0.3984	0.0000	0.1484	0.2219	0.0000	0.3844	1.6375	0.0000	1.6531	0.6281	0.0578	8.29
95 East Vincent township	1.1391	0.0469	0.0141	0.4172	0.0219	0.1297	0.5313	0.0000	0.1938	7.8484	0.0000	1.1750	1.8797	0.2969	13.69
100 East Whiteland township	1.6938	0.0703	0.2125	0.9547	0.2031	0.5891	0.4391	0.0000	0.5094	2.8719	0.4141	1.7172	1.2078	0.0906	10.98
105 Elk township	0.3156	0.0359	0.0000	0.1422	0.0031	0.0297	0.0031	0.0000	0.0000	6.0750	0.0000	2.9578	0.7391	0.1078	10.41
110 Elverson township	0.0797	0.0156	0.0281	0.0438	0.0000	0.0313	0.0078	0.0000	0.0000	0.4797	0.0000	0.2641	0.0469	0.0016	1.00
115 Franklin township	0.4594	0.0406	0.0031	0.2000	0.0172	0.0234	0.0141	0.0000	0.0266	8.3750	0.0000	2.4766	1.3234	0.1438	13.10
120 Highland township	0.2563	0.0141	0.0047	0.2953	0.0000	0.0344	0.0203	0.0000	0.0031	13.0531	0.0000	3.2156	0.1359	0.1516	17.18
125 Honey Brook borough	0.1531	0.0078	0.0078	0.0438	0.0016	0.0297	0.0078	0.0000	0.0109	0.1281	0.0000	0.0016	0.0422	0.0000	0.43
130 Honey Brook township	0.4766	0.1359	0.0141	0.5172	0.0000	0.0563	0.0016	0.0000	0.1500	15.9063	0.0219	7.2609	0.6969	0.2078	25.45
137 Kennet township	2.0250	0.0000	0.0359	0.3984	0.0984	0.0953	0.0188	0.0000	0.2734	7.6844	0.0000	2.5000	2.2766	0.1938	15.60
140 Kennet Square borough	0.4156	0.0547	0.0547	0.1344	0.0047	0.0844	0.0234	0.0000	0.0516	0.1344	0.0000	0.0719	0.0531	0.0047	1.09
145 London Britain township	0.4688	0.0063	0.0000	0.1844	0.0000	0.0016	0.0047	0.0000	0.0000	5.6016	0.0000	3.3156	0.4313	0.0406	10.05
150 Londonderry township	0.2000	0.0219	0.0000	0.1875	0.0000	0.0125	0.0031	0.0000	0.0031	8.6531	0.0000	2.0594	0.2656	0.1156	11.52
155 London Grove township	0.8000	0.0781	0.0328	0.5340	0.0031	0.1515	0.0031	0.0000	0.0687	11.7890	0.0000	2.8070	0.8734	0.1484	17.33
160 Lower Oxford township	0.3656	0.0172	0.0938	0.5422	0.0156	0.0734	0.0750	0.0000	0.1547	13.4688	0.0000	2.6047	0.5672	0.2406	18.22
165 Malvern borough	0.2406	0.0563	0.0328	0.1094	0.0078	0.0516	0.0844	0.0000	0.0344	0.1422	0.0000	0.4000	0.1141	0.0078	1.28
170 Modena borough	0.0859	0.0203	0.0172	0.0281	0.0000	0.0141	0.0016	0.0000	0.0063	0.0156	0.0000	0.0766	0.0688	0.0109	0.35
175 New Garden township	0.7938	0.1172	0.0656	0.6188	0.0172	0.0547	0.0266	0.0000	0.1984	10.0094	0.0281	3.2125	0.6078	0.1734	15.92
180 Newlin township	0.2109	0.0078	0.0250	0.1781	0.0094	0.0125	0.0000	0.0000	0.0000	7.3391	0.0109	3.0875	0.6922	0.0984	11.67
185 New London township	0.3391	0.0703	0.0078	0.1750	0.0000	0.0797	0.0875	0.0000	0.0063	7.4188	0.0000	2.3266	1.2578	0.1375	11.91
190 North Coventry township	1.8391	0.1344	0.0234	0.4766	0.0141	0.1828	0.0422	0.0000	0.0875	4.8156	0.0391	4.7797	0.6797	0.3156	13.43
195 Oxford borough	0.3484	0.0484	0.0313	0.1703	0.0125	0.0516	0.0344	0.0000	0.0328	1.0016	0.0031	0.0922	0.2469	0.0094	2.08
200 Parkesburg borough	0.3047	0.0578	0.0266	0.1063	0.0125	0.0422	0.0156	0.0000	0.0188	0.3313	0.0078	0.1922	0.1625	0.0016	1.28
207 Penn township	0.2531	0.0203	0.0078	0.2953	0.0016	0.0406	0.0078	0.0000	0.0078	7.2547	0.0000	1.4078	0.1672	0.0859	9.55

CHESTER COUNTY	SINGLE FAMILY	MULTI- FAMILY	MANU	TRANS	UTILITY	COMMER	COMMUN SERVICE	MILITARY	RECRE	AGRI	MINING	WOODED	VACANT	WATER	TOTAL
210 Pennsbury township	0.9063	0.0078	0.0078	0.3125	0.0000	0.0563	0.0375	0.0000	0.1672	5.2000	0.0000	2.8906	0.6094	0.1484	10.34
215 Phoenixville borough	0.7313	0.3453	0.2250	0.4344	0.0266	0.2234	0.1328	0.0000	0.0703	0.4781	0.0000	0.5094	0.4969	0.1859	3.86
220 Pocopson township	0.6609	0.0141	0.0297	0.2422	0.0125	0.0141	0.0578	0.0000	0.0000	4.1469	0.0000	1.1531	2.0234	0.1547	8.51
225 Sadsbury township	0.4781	0.0563	0.0188	0.3328	0.0063	0.0563	0.0109	0.0000	0.0094	3.4438	0.0000	1.3734	0.4156	0.0547	6.25
230 Schuylkill township	1.9156	0.0703	0.0531	0.4359	0.0297	0.0688	0.2984	0.0000	0.5453	2.6844	0.0000	1.7188	0.7750	0.3859	8.98
235 South Coatesville township	0.1688	0.0547	0.1844	0.1031	0.0125	0.0406	0.0297	0.0000	0.0156	0.1609	0.0000	0.4703	0.5563	0.0156	1.81
240 South Coventry township	0.7031	0.0578	0.0234	0.1375	0.0047	0.0750	0.1172	0.0000	0.0141	2.4922	0.0000	2.7094	1.1938	0.0844	7.61
245 Spring City borough	0.2063	0.1438	0.0438	0.0891	0.0188	0.0297	0.0047	0.0000	0.0016	0.0125	0.0000	0.1125	0.1047	0.0516	0.82
250 Thornbury township	0.5563	0.0000	0.0000	0.1234	0.0016	0.0219	0.0453	0.0000	0.2219	1.2922	0.0000	0.6688	0.9719	0.0500	3.95
255 Tredeyffrin township	6.4359	0.1734	0.1047	1.7531	0.0281	0.2844	0.4297	0.0000	1.2625	4.2406	0.0563	2.9656	2.0547	0.1219	19.91
260 Upper Oxford township	0.2313	0.0031	0.0000	0.3734	0.0000	0.0188	0.0094	0.0000	0.0000	13.2188	0.0000	2.5063	0.3172	0.1078	16.79
265 Upper Uwchlan township	0.2969	0.0141	0.0672	0.3500	0.0141	0.1656	0.0156	0.0000	0.0141	7.7219	0.0000	2.8844	0.3156	0.0906	11.95
270 Uwchlan township	1.5844	0.0734	0.0734	0.4609	0.0234	0.0594	0.0891	0.0000	0.0047	4.4453	0.0000	2.5719	0.9828	0.1016	10.47
275 Valley township	0.7109	0.0969	0.2406	1.2219	0.0156	0.1422	0.0406	0.0000	0.0219	1.6109	0.0000	1.2766	0.5578	0.0391	5.98
280 Wallace township	0.3078	0.0156	0.0000	0.2984	0.0047	0.0203	0.0297	0.0000	0.1656	6.1125	0.0406	4.3063	0.5750	0.0922	11.97
285 Warwick township	0.8828	0.0906	0.0000	0.3578	0.0000	0.1109	0.0672	0.0000	1.5500	5.2844	0.0453	8.3359	2.2234	0.2719	19.22
290 West Bradford township	1.1047	0.0406	0.0109	0.4063	0.0078	0.0891	0.0406	0.0000	0.7031	9.3688	0.0000	5.7516	1.0516	0.0969	18.67
295 West Brandywine township	0.7156	0.1000	0.0000	0.2953	0.0031	0.0922	0.0281	0.0000	0.2641	7.4469	0.0016	3.8563	0.5359	0.0922	13.43
300 West Cain township	0.8109	0.0594	0.0063	0.3891	0.0047	0.0500	0.0359	0.0000	1.2031	9.9313	0.0094	8.6813	0.5859	0.2016	21.97
305 West Chester borough	0.4500	0.4109	0.1016	0.3500	0.0063	0.1313	0.1125	0.0000	0.1203	0.0234	0.0000	0.0375	0.1000	0.0016	1.85
310 West Fallowfield township	0.4000	0.0359	0.0000	0.3406	0.0000	0.0422	0.1047	0.0000	0.0281	13.5281	0.0000	3.2703	0.2938	0.1906	18.24
315 West Goshen township	3.0125	0.1344	0.1250	1.1344	0.0750	0.5469	0.3141	0.0000	0.0844	2.5391	0.0000	2.2891	1.7625	0.0938	12.11
320 West Grove borough	0.2328	0.0094	0.0016	0.0391	0.0063	0.0219	0.0094	0.0000	0.0078	0.1688	0.0000	0.0656	0.0734	0.0000	0.64
325 West Marlborough township	0.3953	0.0141	0.0063	0.2750	0.0000	0.0109	0.0203	0.0000	0.0047	12.7766	0.0000	3.1391	0.2656	0.1078	17.02
330 West Nantmeal township	0.4672	0.0359	0.0375	0.3828	0.0047	0.0344	0.1125	0.0000	0.0016	6.7625	0.0000	4.0859	1.2844	0.2188	13.43
335 West Nottingham township	0.3188	0.0391	0.0125	0.4000	0.0047	0.0609	0.0063	0.0000	1.2328	6.3438	0.0000	4.8531	0.6359	0.1281	14.04
340 West Pikeland township	0.5172	0.0031	0.0063	0.2172	0.0000	0.0188	0.0047	0.0000	0.0609	5.3813	0.0578	3.4016	0.1938	0.1125	9.98
345 West Sadsbury township	0.5422	0.0094	0.0406	0.2859	0.0125	0.0297	0.0078	0.0000	0.0000	6.6938	0.0000	2.3359	0.5297	0.0625	10.55
350 Westtown township	2.0922	0.0219	0.0031	0.2563	0.0078	0.0469	0.1594	0.0000	0.0313	2.3813	0.0000	1.2484	2.3938	0.0938	8.74
355 West Vincent township	1.0938	0.0031	0.0453	0.3203	0.0141	0.0547	0.0281	0.0000	0.0000	8.9406	0.0000	5.5797	1.2781	0.2625	17.62
360 West Whiteland township	2.1219	0.0297	0.0703	0.7953	0.0203	0.3844	2.2984	0.0000	0.1906	3.3063	0.0000	2.5156	1.1422	0.0844	12.96
365 Willistown township	4.0063	0.0172	0.0938	0.5813	0.0000	0.0719	0.5016	0.0000	0.3094	8.0125	0.0000	3.8969	0.6703	0.2031	18.37
Totals	64.78	4.33	3.62	25.87	1.12	6.72	7.94	0.00	12.79	388.85	0.93	177.83	58.55	8.65	762.01

Table 13

CHESTER COUNTY CHANGE IN LAND USE 1970 – 1990 **GROUPED CATEGORIES (square miles)**

CHESTER COUNTY	TOTAL AREA	RESIDENTIAL				NON-RESIDENTIAL DEVELOPED				AGRICULTURE				RECREATION, VACANT, WOODED			
		1970	1990	'70 – '90 CHANGE	% CHANGE	1970	1990	'70 – '90 CHANGE	% CHANGE	1970	1990	'70 – '90 CHANGE	% CHANGE	1970	1990	'70 – '90 CHANGE	% CHANGE
5 Atglen borough	0.84	0.1016	0.1514	0.0498	49.1%	0.1453	0.1088	-0.0365	-25.1%	0.3641	0.3493	-0.0148	-4.1%	0.2250	0.2167	-0.0083	-3.7%
10 Avondale borough	0.50	0.1094	0.1108	0.0014	1.3%	0.1016	0.1033	0.0017	1.7%	0.1141	0.1324	0.0183	16.1%	0.1578	0.1278	-0.0300	-19.0%
15 Birmingham township	6.24	0.5109	1.3219	0.8110	158.7%	0.2313	0.6159	0.3847	166.3%	2.7453	2.3799	-0.3654	-13.3%	2.7078	1.8322	-0.8756	-32.3%
20 Caln township	9.23	1.3641	1.8543	0.4903	35.9%	1.3094	1.7545	0.4451	34.0%	1.2813	1.2324	-0.0488	-3.8%	5.1734	4.0154	-1.1580	-22.4%
25 Charlestown township	12.41	1.2156	1.1888	-0.0269	-2.2%	0.7563	0.9749	0.2186	28.9%	3.9328	4.1975	0.2647	6.7%	6.3359	6.1223	-0.2137	-3.4%
30 Coatesville city	1.87	0.6422	0.7350	0.0929	14.5%	0.6391	0.5198	-0.1192	-18.7%	0.0078	0.0225	0.0147	188.5%	0.5766	0.5536	-0.0229	-4.0%
35 Downingtown borough	2.29	0.5891	0.6967	0.1076	18.3%	0.7531	0.6236	-0.1295	-17.2%	0.4453	0.3771	-0.0682	-15.3%	0.4766	0.4574	-0.0192	-4.0%
40 East Bradford township	15.12	1.0250	2.7307	1.7057	166.4%	0.4984	1.1771	0.6787	136.2%	7.4063	5.2932	-2.1131	-28.5%	6.0094	5.7483	-0.2611	-4.3%
45 East Brandywine township	11.97	1.0969	2.4885	1.3916	126.9%	0.4672	0.9814	0.5142	110.1%	6.2359	4.0523	-2.1836	-35.0%	4.1250	3.6458	-0.4792	-11.6%
50 East Caln township	3.77	0.4563	0.5865	0.1303	28.6%	0.9672	0.9529	-0.0143	-1.5%	0.5656	0.4761	-0.0896	-15.8%	1.7344	1.6151	-0.1193	-6.9%
55 East Coventry township	10.85	1.3766	2.1207	0.7442	54.1%	0.5234	1.1397	0.6162	117.7%	6.0938	5.7586	-0.3351	-5.5%	2.6031	1.7115	-0.8916	-34.3%
60 East Fallowfield township	15.74	0.8656	1.8859	1.0203	117.9%	0.5516	1.1629	0.6114	110.8%	8.9297	7.1579	-1.7718	-19.8%	5.2578	5.4160	0.1582	3.0%
65 East Goshen township	10.23	1.9625	4.0853	2.1228	108.2%	0.4594	1.3556	0.8962	195.1%	4.2641	1.8067	-2.4573	-57.6%	3.4266	2.8104	-0.6161	-18.0%
70 East Marlborough township	15.58	0.8719	2.1561	1.2843	147.3%	0.5000	1.1444	0.6444	128.9%	10.2516	8.7501	-1.5014	-14.6%	3.8500	3.4351	-0.4149	-10.8%
75 East Natmeal township	16.47	0.5438	0.6687	0.1250	23.0%	0.3953	0.4899	0.0945	23.9%	7.2438	6.5849	-0.6588	-9.1%	7.7859	8.5291	0.7432	9.5%
80 East Nottingham township	20.03	0.4672	1.0893	0.6221	133.2%	0.6500	0.8963	0.2463	37.9%	16.1172	14.3500	-1.7672	-11.0%	2.6406	3.5626	0.9219	34.9%
85 East Pikeland township	8.95	1.2031	1.8420	0.6389	53.1%	0.5688	1.0384	0.4697	82.6%	4.6703	3.3254	-1.3450	-28.8%	2.3109	2.5797	0.2688	11.6%
90 Easttown township	8.29	3.1297	3.7416	0.6119	19.6%	0.7953	1.6150	0.8196	103.1%	1.6375	0.9957	-0.6418	-39.2%	2.6656	1.8779	-0.7877	-29.6%
95 East Vincent township	13.69	1.1859	1.5029	0.3170	26.7%	1.1141	0.9253	-0.1887	-16.9%	7.8484	8.3272	0.4787	6.1%	3.2484	2.6634	-0.5850	-18.0%
100 East Whiteland township	10.98	1.7641	1.6693	-0.0947	-5.4%	2.8125	3.8301	1.0176	36.2%	2.8719	1.5116	-1.3603	-47.4%	3.4344	3.9092	0.4748	13.8%
105 Elk township	10.41	0.3516	0.4087	0.0572	16.3%	0.1781	0.1467	-0.0314	-17.6%	6.0750	6.0486	-0.0264	-0.4%	3.6969	3.6336	-0.0633	-1.7%
110 Elverson township	1.00	0.0953	0.1311	0.0358	37.6%	0.1109	0.1206	0.0097	8.7%	0.4797	0.4596	-0.0201	-4.2%	0.3109	0.2726	-0.0383	-12.3%
115 Franklin township	13.10	0.5000	1.2720	0.7720	154.4%	0.2578	0.5131	0.2553	99.0%	8.3750	6.9347	-1.4403	-17.2%	3.8266	4.2255	0.3989	10.4%
120 Highland township	17.18	0.2703	0.1783	-0.0920	-34.0%	0.3547	0.3590	0.0043	1.2%	13.0531	13.1944	0.1413	1.1%	3.3547	3.4088	0.0541	1.6%
125 Honey Brook borough	0.43	0.1609	0.1862	0.0253	15.7%	0.0906	0.1279	0.0373	41.2%	0.1281	0.1304	0.0022	1.7%	0.0547	0.0264	-0.0282	-51.7%
130 Honey Brook township	25.45	0.6125	1.4872	0.8747	142.8%	0.6109	0.8004	0.1895	31.0%	15.9063	15.3144	-0.5919	-3.7%	8.1078	7.4134	-0.6944	-8.6%
137 Kennet township	15.60	2.0250	2.8390	0.8140	40.2%	0.6469	1.2179	0.5711	88.3%	7.6844	6.2762	-1.4081	-18.3%	5.0500	5.1509	0.1009	2.0%
140 Kennet Square borough	1.09	0.4703	0.3470	-0.1233	-26.2%	0.3016	0.3659	0.0643	21.3%	0.1344	0.2209	0.0865	64.4%	0.1766	0.1478	-0.0287	-16.3%
145 London Britain township	10.05	0.4750	1.5425	1.0675	224.7%	0.1906	0.5313	0.3407	178.7%	5.6016	3.5590	-2.0426	-36.5%	3.7469	4.3110	0.5641	15.1%
150 Londonderry township	11.52	0.2219	0.5641	0.3422	154.2%	0.2031	0.4345	0.2314	113.9%	8.6531	8.0848	-0.5683	-6.6%	2.3281	2.3854	0.0573	2.5%
155 London Grove township	17.33	0.8781	1.3507	0.4726	53.8%	0.7639	0.8713	0.1074	14.1%	11.7890	10.7643	-1.0247	-8.7%	3.7491	4.2602	0.5111	13.6%
160 Lower Oxford township	18.22	0.3828	0.7282	0.3454	90.2%	0.8000	1.3314	0.5314	66.4%	13.4688	11.7759	-1.6928	-12.6%	3.3266	4.0900	0.7634	22.9%
165 Malvern borough	1.28	0.2969	0.3705	0.0736	24.8%	0.2859	0.2999	0.0140	4.9%	0.1422	0.1403	-0.0019	-1.3%	0.5484	0.4405	-0.1079	-19.7%
170 Modena borough	0.35	0.1063	0.0729	-0.0333	-31.4%	0.0609	0.0737	0.0127	20.9%	0.0156	0.0149	-0.0008	-4.9%	0.1516	0.1735	0.0219	14.4%
175 New Garden township	15.92	0.9109	1.6702	0.7592	83.3%	0.8109	1.1725	0.3615	44.6%	10.0094	8.5725	-1.4368	-14.4%	4.0188	4.3289	0.3101	7.7%
180 Newlin township	11.67	0.2188	0.4366	0.2179	99.6%	0.2359	0.3615	0.1255	53.2%	7.3391	6.1303	-1.2088	-16.5%	3.7797	4.9533	1.1736	31.0%
185 New London township	11.91	0.4094	1.2655	0.8561	209.1%	0.3500	0.5410	0.1910	54.6%	7.4188	6.5925	-0.8263	-11.1%	3.5906	3.4471	-0.1435	-4.0%
190 North Coventry township	13.43	1.9734	2.5545	0.5810	29.4%	0.7781	1.3163	0.5382	69.2%	4.8156	4.2386	-0.5770	-12.0%	5.5469	5.1069	-0.4400	-7.9%
195 Oxford borough	2.08	0.3969	0.4597	0.0629	15.8%	0.3031	0.4172	0.1141	37.6%	1.0016	0.7906	-0.2109	-21.1%	0.3719	0.2796	-0.0923	-24.8%

CHESTER COUNTY	TOTAL AREA	RESIDENTIAL				NON-RESIDENTIAL DEVELOPED				AGRICULTURE				RECREATION, VACANT, WOODED			
		1970	1990	'70 - '90 CHANGE	% CHANGE	1970	1990	'70 - '90 CHANGE	% CHANGE	1970	1990	'70 - '90 CHANGE	% CHANGE	1970	1990	'70 - '90 CHANGE	% CHANGE
200 Parkesburg borough	1.28	0.3625	0.4868	0.1243	34.3%	0.2109	0.2778	0.0669	31.7%	0.3313	0.1721	-0.1592	-48.1%	0.3734	0.2905	-0.0830	-22.2%
207 Penn township	9.55	0.2734	0.8373	0.5639	206.2%	0.3531	0.5566	0.2035	57.6%	7.2547	6.3976	-0.8571	-11.8%	1.5828	1.7565	0.1736	11.0%
210 Pennsbury township	10.34	0.9141	1.7328	0.8188	89.6%	0.4141	0.6670	0.2529	61.1%	5.2000	3.2449	-1.9551	-37.6%	3.6672	4.4897	0.8225	22.4%
215 Phoenixville borough	3.86	1.0766	1.2139	0.1373	12.8%	1.0422	0.9265	-0.1157	-11.1%	0.4781	0.2873	-0.1908	-39.9%	1.0766	1.0985	0.0220	2.0%
220 Pocopson township	8.51	0.6750	1.1082	0.4332	64.2%	0.3563	0.5240	0.1678	47.1%	4.1469	4.3264	0.1795	4.3%	3.1766	2.4636	-0.7130	-22.4%
225 Sadsbury township	6.25	0.5344	0.7027	0.1683	31.5%	0.4250	0.4705	0.0455	10.7%	3.4438	3.3450	-0.0987	-2.9%	1.7984	1.7113	-0.0871	-4.8%
230 Schuylkill township	8.98	1.9859	2.1206	0.1347	6.8%	0.8859	1.2915	0.4056	45.8%	2.6844	1.9993	-0.6851	-25.5%	3.0391	3.1274	0.0884	2.9%
235 South Coatesville township	1.81	0.2234	0.1530	-0.0704	-31.5%	0.3703	0.4743	0.1040	28.1%	0.1609	0.1215	-0.0395	-24.5%	1.0422	1.0107	-0.0315	-3.0%
240 South Coventry township	7.61	0.7609	0.9524	0.1914	25.2%	0.3578	0.5450	0.1872	52.3%	2.4922	2.5670	0.0748	3.0%	3.9172	3.5514	-0.3658	-9.3%
245 Spring City borough	0.82	0.3500	0.3812	0.0312	8.9%	0.1859	0.1860	0.0001	0.1%	0.0125	0.0700	0.0575	459.9%	0.2188	0.1328	-0.0860	-39.3%
250 Thornbury township	3.95	0.5563	0.7646	0.2083	37.5%	0.1922	0.4160	0.2238	116.4%	1.2922	1.4269	0.1347	10.4%	1.8625	1.3318	-0.5307	-28.5%
255 Tredeyffrin township	19.91	6.6094	7.5057	0.8963	13.6%	2.6563	5.2130	2.5568	96.3%	4.2406	1.9132	-2.3274	-54.9%	6.2828	5.2077	-1.0751	-17.1%
260 Upper Oxford township	16.79	0.2344	0.4902	0.2558	109.2%	0.4016	0.5481	0.1465	36.5%	13.2188	12.1420	-1.0767	-8.1%	2.8234	3.5469	0.7234	25.6%
265 Upper Uwchlan township	11.95	0.3109	1.9756	1.6646	535.4%	0.6125	1.2205	0.6080	99.3%	7.7219	3.9223	-3.7996	-49.2%	3.2141	3.9920	0.7779	24.2%
270 Uwchlan township	10.47	1.6578	2.8487	1.1909	71.8%	0.7063	1.9064	1.2002	169.9%	4.4453	2.4087	-2.0367	-45.8%	3.5594	3.2263	-0.3331	-9.4%
275 Valley township	5.98	0.8078	0.8600	0.0522	6.5%	1.6609	0.9636	-0.6973	-42.0%	1.6109	1.5724	-0.0386	-2.4%	1.8563	2.5398	0.6835	36.8%
280 Wallace township	11.97	0.3234	1.2715	0.9481	293.1%	0.3938	0.7536	0.3599	91.4%	6.1125	3.7120	-2.4005	-39.3%	5.0469	5.9959	0.9490	18.8%
285 Warwick township	19.22	0.9734	1.2002	0.2267	23.3%	0.5813	0.5369	-0.0443	-7.6%	5.2844	6.2604	0.9760	18.5%	12.1094	11.2052	-0.9042	-7.5%
290 West Bradford township	18.67	1.1453	3.1868	2.0414	178.2%	0.5547	1.8324	1.2777	230.4%	9.3688	6.2335	-3.1353	-33.5%	7.5063	7.3304	-0.1759	-2.3%
295 West Brandywine township	13.43	0.8156	2.3697	1.5541	190.5%	0.4203	1.0292	0.6089	144.9%	7.4469	5.4388	-2.0081	-27.0%	4.6563	4.4884	-0.1678	-3.6%
300 West Caln township	21.97	0.8703	2.6823	1.8120	208.2%	0.4953	1.1664	0.6711	135.5%	9.9313	8.2868	-1.6444	-16.6%	10.4703	9.6382	-0.8321	-7.9%
305 West Chester borough	1.85	0.8609	0.9281	0.0672	7.8%	0.7016	0.7312	0.0297	4.2%	0.0234	0.0156	-0.0078	-33.4%	0.2578	0.1603	-0.0975	-37.8%
310 West Fallowfield township	18.24	0.4359	0.4635	0.0276	6.3%	0.4875	0.4430	-0.0445	-9.1%	13.5281	13.3735	-0.1546	-1.1%	3.5922	3.8920	0.2998	8.3%
315 West Goshen township	12.11	3.1469	4.0425	0.8957	28.5%	2.1953	3.5965	1.4012	63.8%	2.5391	1.2466	-1.2924	-50.9%	4.1359	3.0365	-1.0994	-26.6%
320 West Grove borough	0.64	0.2422	0.2891	0.0469	19.4%	0.0781	0.1438	0.0657	84.1%	0.1688	0.0602	-0.1086	-64.3%	0.1469	0.1337	-0.0132	-9.0%
325 West Marlborough township	17.02	0.4094	0.1689	-0.2405	-58.8%	0.3125	0.3629	0.0504	16.1%	12.7766	12.9963	0.2197	1.7%	3.4094	3.3549	-0.0545	-1.6%
330 West Nantmeal township	13.43	0.5031	0.7830	0.2799	55.6%	0.5719	0.4240	-0.1479	-25.9%	6.7625	7.4710	0.7085	10.5%	5.3719	4.6774	-0.6945	-12.9%
335 West Nottingham township	14.04	0.3578	0.7281	0.3702	103.5%	0.4844	0.7620	0.2776	57.3%	6.3438	5.7046	-0.6392	-10.1%	6.7219	6.7821	0.0603	0.9%
340 West Pikeland township	9.98	0.5203	1.0682	0.5479	105.3%	0.3047	0.4369	0.1323	43.4%	5.3813	4.2945	-1.0868	-20.2%	3.6563	4.0963	0.4400	12.0%
345 West Sadsbury township	10.55	0.5516	0.7721	0.2205	40.0%	0.3766	0.7015	0.3249	86.3%	6.6938	6.6194	-0.0743	-1.1%	2.8656	2.4587	-0.4070	-14.2%
350 Westtown township	8.74	2.1141	3.2094	1.0954	51.8%	0.4734	1.2804	0.8069	170.4%	2.3813	2.0834	-0.2978	-12.5%	3.6734	2.1223	-1.5511	-42.2%
355 West Vincent township	17.62	1.0969	1.0603	-0.0366	-3.3%	0.4625	0.4563	-0.0062	-1.3%	8.9406	8.7641	-0.1765	-2.0%	6.8578	7.4054	0.5476	8.0%
360 West Whiteland township	12.96	2.1516	2.8180	0.6665	31.0%	3.5688	2.5292	-1.0396	-29.1%	3.3063	2.5793	-0.7270	-22.0%	3.8484	4.9383	1.0899	28.3%
365 Willstown township	18.37	4.0234	4.1250	0.1015	2.5%	1.2484	1.9247	0.6763	54.2%	8.0125	6.1811	-1.8314	-22.9%	4.8766	6.1045	1.2280	25.2%
Totals	762.01	69.11	105.79	36.68	53.1%	46.20	67.71	21.51	46.6%	388.85	333.56	-55.29	-14.2%	249.18	246.17	-3.01	-1.2%

DELAWARE COUNTY PROFILE

According to the Census Bureau, the population of Delaware County decreased 52,384 from 1970 - 1990. However, in a regional context, Delaware County had a larger 1990 population than Bucks, Chester, Burlington, Camden, Gloucester or Mercer County. During that same twenty-year period the BEA figures show that total employment increased 65,717 and according to the Census 27,623 residential units were authorized by building permit.

The ten Delaware County municipalities with the largest increase in **Residential** land area were:

<u>Change in square miles</u>		
1.	Springfield township	2.4058
2.	Radnor township	1.3852
3.	Concord township	1.2854
4.	Newtown township	0.7622
5.	Edgmont township	0.7115
6.	Birmingham township	0.6643
7.	Ridley township	0.6453
8.	Thornbury township	0.6146
9.	Chester city	0.5829
10.	Upper Chichester township	0.5659

The ten municipalities with the largest increase in **Non-Residential Developed** area were:

<u>Change in square miles</u>		
1.	Springfield township	2.6146
2.	Tinicum township	1.8891
3.	Radnor township	1.8113
4.	Concord township	1.3072
5.	Marple township	1.0662
6.	Middletown township	0.7259
7.	Newtown township	0.7229
8.	Upper Chichester township	0.6920
9.	Nether Providence township	0.6782
10.	Haverford township	0.6374

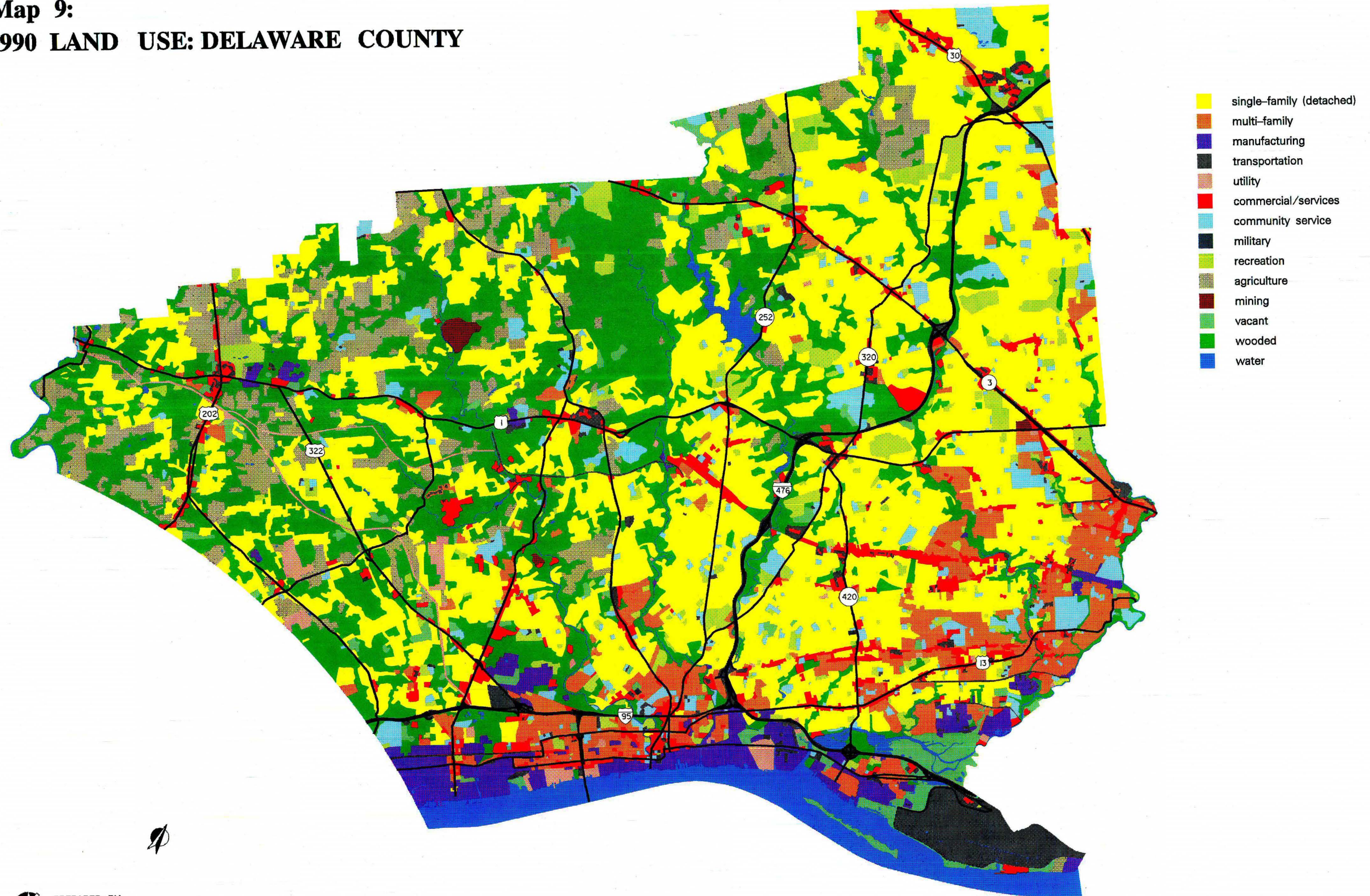
Agricultural land loss was the greatest in the municipalities in the western portion of the County as development expanded outward. The ten municipalities with the largest losses in Agricultural land were:

<u>Change in square miles</u>		
1.	Concord township	-3.1939
2.	Edgmont township	-2.4157
3.	Middletown township	-1.7614
4.	Birmingham township	-1.7525
5.	Thornbury township	-1.5859
6.	Upper Chichester township	-0.8129
7.	Newtown township	-0.7673
8.	Bethel township	-0.7247
9.	Aston township	-0.6508
10.	Chester Heights borough	-0.4359

The combined category **Recreation, Vacant and Wooded** had decreases in all areas of the County. The ten largest decreases were the following municipalities:

<u>Change in square miles</u>		
1.	Radnor township	-2.8296
2.	Tinicum township	-2.0487
3.	Marple township	-0.8872
4.	Upper Providence township	-0.8318
5.	Haverford township	-0.7257
6.	Newtown township	-0.6570
7.	Nether Providence township	-0.6041
8.	Upper Chichester township	-0.4672
9.	Ridley township	-0.4629
10.	Chester city	-0.3163

Map 9:
1990 LAND USE: DELAWARE COUNTY



[illegible]

Table 14

1990 DELAWARE COUNTY LAND USE (square miles)

DELAWARE COUNTY	SINGLE FAMILY	MULTI- FAMILY	MANU	TRANS	UTILITY	COMMER	COMMUN SERVICE	MILITARY	RECRE	AGRI	MINING	WOODED	VACANT	WATER	TOTAL
5 Alden borough	0.3662	0.0194	0.0000	0.1221	0.0000	0.0526	0.0109	0.0000	0.0144	0.0000	0.0000	0.0275	0.0000	0.0005	0.61
10 Aston township	1.7001	0.1627	0.0000	0.5891	0.1015	0.5221	0.2175	0.0000	0.0965	0.1258	0.0321	2.1926	0.0494	0.0681	5.86
15 Bethel township	1.1813	0.0000	0.0257	0.3998	0.3747	0.0736	0.0269	0.0000	0.0064	0.7581	0.0000	2.4323	0.1117	0.0053	5.40
20 Birmingham township	1.4106	0.0349	0.0000	0.5054	0.1002	0.2125	0.0257	0.0000	0.0520	2.0975	0.0000	3.8971	0.0682	0.0956	8.50
25 Brookhaven borough	0.6581	0.3050	0.0002	0.2566	0.0049	0.1172	0.0444	0.0000	0.0607	0.0000	0.0000	0.2704	0.0303	0.0177	1.77
30 Chester city	0.0384	2.0210	0.6955	0.2127	0.2314	0.6680	0.2694	0.0000	0.3214	0.0000	0.0000	0.2520	0.0400	1.3468	6.10
35 Chester township	0.0000	0.3716	0.2333	0.0507	0.0000	0.0291	0.0731	0.0000	0.0765	0.0000	0.0000	0.5341	0.0206	0.0140	1.40
38 Chester Heights borough	0.3939	0.1399	0.0000	0.1498	0.0364	0.0267	0.0320	0.0000	0.0038	0.2501	0.0000	1.1772	0.0000	0.0168	2.23
45 Clifton Heights borough	0.0759	0.2881	0.0133	0.0331	0.0003	0.1329	0.0000	0.0000	0.0282	0.0000	0.0000	0.0589	0.0000	0.0023	0.63
50 Collingdale borough	0.0515	0.4716	0.0000	0.0173	0.0000	0.1047	0.1482	0.0000	0.0403	0.0000	0.0000	0.0478	0.0000	0.0003	0.88
55 Colwyn borough	0.0000	0.1244	0.0133	0.0113	0.0062	0.0188	0.0138	0.0000	0.0186	0.0000	0.0000	0.0325	0.0000	0.0154	0.25
60 Concord township	3.2574	0.0874	0.1984	1.1550	0.2267	0.3442	0.1861	0.0000	0.4376	2.5030	0.0000	5.1899	0.2303	0.0437	13.86
65 Darby borough	0.0283	0.4433	0.0030	0.0183	0.0000	0.0850	0.1268	0.0000	0.0256	0.0000	0.0000	0.0753	0.0000	0.0175	0.82
70 Darby township	0.0944	0.4520	0.2287	0.0800	0.0181	0.0967	0.1772	0.0000	0.0436	0.0000	0.0000	0.0682	0.1238	0.0368	1.42
75 East Lansdowne borough	0.0000	0.1767	0.0097	0.0001	0.0000	0.0000	0.0088	0.0000	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000	0.20
80 Eddystone borough	0.0000	0.1064	0.5877	0.0094	0.2062	0.0037	0.0082	0.0000	0.0101	0.0000	0.0000	0.0063	0.0793	0.5001	1.52
85 Edgmont township	1.4690	0.0706	0.0000	0.4961	0.0054	0.0776	0.1730	0.0000	0.3605	1.2671	0.0000	5.5836	0.1617	0.0424	9.71
90 Folcroft borough	0.1138	0.2444	0.2134	0.0906	0.0000	0.0561	0.0259	0.0000	0.0285	0.0000	0.0000	0.0563	0.4991	0.0657	1.39
95 Glenolden borough	0.2712	0.2975	0.0000	0.1297	0.0109	0.1013	0.0331	0.0000	0.0439	0.0000	0.0000	0.0575	0.0305	0.0003	0.98
100 Haverford township	5.0299	0.2515	0.0000	1.7805	0.0124	0.3552	0.5025	0.0000	0.9384	0.0000	0.0414	1.0312	0.0000	0.0098	9.95
105 Lansdowne borough	0.5743	0.1531	0.0000	0.2037	0.0000	0.1057	0.0227	0.0000	0.0392	0.0000	0.0000	0.0926	0.0000	0.0153	1.21
110 Lower Chichester township	0.0914	0.0969	0.1896	0.1012	0.0321	0.0681	0.1933	0.0000	0.0187	0.0000	0.0000	0.2809	0.0364	0.0000	1.11
115 Marcus Hook borough	0.0064	0.0742	0.8972	0.0044	0.0000	0.0455	0.0000	0.0000	0.0224	0.0000	0.0000	0.0065	0.0231	0.4989	1.58
120 Marple township	3.9466	0.1207	0.0000	1.7968	0.0173	0.4679	0.6060	0.0000	0.3530	0.1661	0.0000	2.6732	0.0601	0.3119	10.52
125 Media borough	0.3027	0.0653	0.0000	0.1054	0.0000	0.2163	0.0304	0.0000	0.0165	0.0000	0.0000	0.0286	0.0000	0.0034	0.77
130 Middletown township	3.1850	0.1963	0.0705	1.3523	0.0098	0.2523	0.5513	0.0000	0.1765	1.2152	0.1038	6.0845	0.1695	0.0934	13.46
135 Millbourne borough	0.0000	0.0222	0.0000	0.0085	0.0000	0.0207	0.0000	0.0000	0.0000	0.0000	0.0000	0.0114	0.0000	0.0046	0.07
140 Morton borough	0.1989	0.0119	0.0000	0.0692	0.0098	0.0665	0.0000	0.0000	0.0000	0.0000	0.0000	0.0126	0.0000	0.0000	0.37
145 Nether Providence tw.	2.3809	0.1773	0.0046	1.0278	0.0115	0.0712	0.1803	0.0000	0.2591	0.0000	0.0000	0.5926	0.0113	0.0333	4.75
150 Newtown township	3.0394	0.1774	0.0000	1.0343	0.0050	0.2971	0.1911	0.0000	0.5693	1.4373	0.0000	2.9488	0.2936	0.0868	10.08
155 Norwood borough	0.2658	0.1802	0.0000	0.0913	0.0000	0.0610	0.0225	0.0000	0.0610	0.0000	0.0000	0.0776	0.0000	0.0569	0.82
160 Parkside borough	0.1112	0.0019	0.0000	0.0371	0.0000	0.0009	0.0077	0.0000	0.0000	0.0000	0.0000	0.0081	0.0000	0.0005	0.17
165 Prospect Park borough	0.3167	0.1082	0.0000	0.1097	0.0016	0.0942	0.0535	0.0000	0.0313	0.0000	0.0000	0.0216	0.0000	0.0093	0.75
170 Radnor township	6.1100	0.3690	0.0000	2.4339	0.0000	0.5379	0.9738	0.0000	0.7304	1.0257	0.0000	1.5877	0.0242	0.0223	13.81
177 Ridley township	2.8458	0.3683	0.3900	0.3528	0.0254	0.4372	0.2246	0.0111	0.0991	0.0000	0.0000	0.2372	0.0977	0.2225	
180 Ridley Park borough	0.5173	0.0811	0.0282	0.1804	0.0000	0.0741	0.0361	0.0000	0.0319	0.0000	0.0000	0.1032	0.0000	0.0065	1.06

DELAWARE COUNTY	SINGLE FAMILY	MULTI- FAMILY	MANU	TRANS	UTILITY	COMMER	COMMUN SERVICE	MILITARY	RECRE	AGRI	MINING	WOODED	VACANT	WATER	TOTAL
185 Rose Valley borough	0.4090	0.0000	0.0000	0.1363	0.0019	0.0000	0.0197	0.0000	0.0000	0.0000	0.0000	0.1438	0.0000	0.0141	0.72
190 Rutledge borough	0.1047	0.0000	0.0000	0.0349	0.0000	0.0006	0.0038	0.0000	0.0029	0.0000	0.0000	0.0000	0.0000	0.0000	0.15
195 Sharon Hill borough	0.1670	0.1932	0.1094	0.1116	0.0095	0.0629	0.0208	0.0000	0.0309	0.0000	0.0000	0.0545	0.0018	0.0115	0.77
200 Springfield township	5.0471	0.3727	0.3900	2.3002	0.0538	0.8159	0.4231	0.0112	0.6386	0.0000	0.0000	1.1499	0.1925	0.2523	11.65
205 Swarthmore borough	0.6925	0.0172	0.0000	0.2358	0.0000	0.0189	0.1935	0.0000	0.1125	0.0000	0.0000	0.1164	0.0033	0.0159	1.41
210 Thornbury township	1.9349	0.0000	0.0000	0.6510	0.0055	0.0319	0.2065	0.0000	0.0682	2.2172	0.1631	3.9302	0.0169	0.0442	9.27
215 Tinicum township	0.0000	0.4546	0.6023	2.7971	0.0085	0.1109	0.0234	0.0000	0.0459	0.0546	0.0000	0.2287	1.2236	3.4043	8.95
220 Trainer borough	0.0822	0.0596	0.5130	0.0771	0.0000	0.1037	0.0043	0.0000	0.0000	0.0000	0.0000	0.1823	0.0262	0.3302	1.38
225 Upland borough	0.1559	0.0933	0.0001	0.0891	0.0000	0.0535	0.0825	0.0085	0.0552	0.0000	0.0000	0.1094	0.0166	0.0132	0.68
230 Upper Chichester tw.	1.8641	0.2080	0.2050	0.9082	0.1961	0.3682	0.1191	0.0000	0.0775	0.1871	0.0000	2.2052	0.3150	0.0194	6.67
235 Upper Darby township	2.3606	1.9226	0.0663	1.0049	0.0413	0.7440	0.6532	0.0000	0.3060	0.0000	0.0040	0.6571	0.0258	0.0314	7.82
240 Upper Providence tw.	2.4756	0.0638	0.0105	0.8340	0.0000	0.1023	0.1313	0.0000	0.2493	0.0691	0.0000	1.6518	0.0000	0.2651	5.85
245 Yeadon borough	0.0014	0.7522	0.0953	0.0213	0.0000	0.0192	0.3791	0.0000	0.0520	0.0000	0.0000	0.2568	0.0096	0.0290	1.62
TOTALS	55.33	12.04	5.4	24.22	1.74	7.89	7.23	0.02	6.56	13.37	0.34	48.21	3.89	7.87	190.92

Table 15

1970 DELAWARE COUNTY LAND USE (square miles)

DELAWARE COUNTY	SINGLE FAMILY	MULTI- FAMILY	MANU	TRANS	UTILITY	COMMER	COMMUN SERVICE	MILITARY	RECRE	AGRI	MINING	WOODED	VACANT	WATER	TOTAL
5 Aldan borough	0.3453	0.0547	0.0266	0.0953	0.0000	0.0109	0.0109	0.0000	0.0094	0.0000	0.0000	0.0297	0.0203	0.0016	0.60
10 Aston township	1.4547	0.1094	0.0406	0.3891	0.0594	0.1828	0.2297	0.0000	0.0813	0.7766	0.0359	1.6359	0.7359	0.0531	5.79
15 Bethel township	0.7531	0.0016	0.0016	0.1406	0.0063	0.5609	0.0172	0.0000	0.0516	1.4828	0.0344	2.0781	0.3328	0.0313	5.49
20 Birmingham township	0.7750	0.0063	0.0297	0.2281	0.0031	0.0859	0.0172	0.0000	0.1266	3.8500	0.0000	3.0406	0.4609	0.0984	8.73
25 Brookhaven borough	0.8000	0.0141	0.0109	0.1813	0.0422	0.0359	0.0563	0.0000	0.0469	0.0922	0.0000	0.2375	0.1938	0.0141	1.73
30 Chester city	0.2063	1.2703	0.4328	1.1906	0.1344	0.3516	0.1859	0.0000	0.3266	0.0000	0.0000	0.1453	0.4578	1.3859	6.08
35 Chester township	0.1359	0.1094	0.0109	0.0938	0.0438	0.0469	0.0359	0.0000	0.1016	0.0344	0.0000	0.3422	0.4344	0.0047	1.39
38 Chester Heights borough	0.2469	0.0016	0.0047	0.0594	0.0016	0.0266	0.0063	0.0000	0.0172	0.6859	0.0031	1.0516	0.1172	0.0078	2.23
45 Clifton Heights borough	0.1141	0.1750	0.0422	0.1359	0.0016	0.0516	0.0094	0.0000	0.0391	0.0000	0.0016	0.0328	0.0391	0.0047	0.65
50 Collingdale borough	0.1609	0.2328	0.0141	0.1484	0.0000	0.1688	0.0203	0.0000	0.0125	0.0000	0.0000	0.0469	0.0688	0.0016	0.88
55 Colwyn borough	0.0156	0.0797	0.0219	0.0406	0.0000	0.0047	0.0031	0.0000	0.0094	0.0000	0.0000	0.0328	0.0469	0.0047	0.26
60 Concord township	2.0297	0.0297	0.0484	0.4047	0.0078	0.2266	0.0891	0.0000	0.5359	5.6969	0.0266	3.2172	1.1766	0.1094	13.60
65 Darby borough	0.0578	0.2969	0.0141	0.1609	0.0000	0.1141	0.0250	0.0000	0.0344	0.0016	0.0016	0.0438	0.0656	0.0094	0.83
70 Darby township	0.1313	0.2891	0.0172	0.1281	0.1641	0.3141	0.0250	0.0000	0.0578	0.0250	0.0031	0.0328	0.1953	0.0563	1.44
75 East Lansdowne borough	0.0922	0.0438	0.0016	0.0469	0.0000	0.0078	0.0047	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.20
80 Eddystone borough	0.0203	0.0828	0.4141	0.2266	0.0859	0.0188	0.0172	0.0000	0.0109	0.0000	0.0000	0.0000	0.0750	0.5656	1.52
85 Edgmont township	0.8250	0.0031	0.0031	0.1781	0.0031	0.0188	0.1219	0.0000	0.2609	3.6828	0.0000	3.3016	1.1859	0.1344	9.72
90 Folcroft borough	0.1281	0.2078	0.0422	0.1125	0.0000	0.0406	0.0453	0.0000	0.0328	0.0203	0.0000	0.0859	0.5406	0.1328	1.39
95 Glenolden borough	0.3078	0.1719	0.0063	0.1859	0.0047	0.0547	0.0250	0.0000	0.0828	0.0000	0.0000	0.0625	0.0703	0.0031	0.98
100 Haverford township	4.6266	0.4641	0.0172	1.3422	0.0672	0.3203	0.2391	0.0000	0.9188	0.1047	0.0688	1.2359	0.5406	0.0313	9.97
105 Lansdowne borough	0.5125	0.2344	0.0047	0.2297	0.0016	0.0375	0.0297	0.0000	0.0203	0.0031	0.0000	0.0813	0.0359	0.0047	1.20
110 Lower Chichester township	0.1000	0.0688	0.0641	0.0875	0.0313	0.3422	0.0094	0.0000	0.0094	0.0000	0.0031	0.1969	0.1953	0.0000	1.11
115 Marcus Hook borough	0.0156	0.0609	0.5078	0.1609	0.0156	0.2719	0.0109	0.0000	0.0125	0.0000	0.0000	0.0000	0.0266	0.5266	1.61
120 Marple township	3.9141	0.0922	0.0516	0.7906	0.0469	0.7313	0.1484	0.0000	0.3484	0.3250	0.0531	2.3563	1.2688	0.3922	10.52
125 Media township	0.2297	0.1188	0.0047	0.1844	0.0031	0.0828	0.0281	0.0000	0.0109	0.0000	0.0000	0.0625	0.0313	0.0063	0.77
130 Middletown township	2.9813	0.0094	0.0516	0.5734	0.0766	0.1219	0.6391	0.0000	1.0578	2.9766	0.1516	3.8656	0.8969	0.1078	13.51
135 Millbourne borough	0.0000	0.0188	0.0000	0.0391	0.0000	0.0109	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.07
140 Morton borough	0.1672	0.0328	0.0031	0.0688	0.0078	0.0188	0.0078	0.0000	0.0109	0.0078	0.0000	0.0313	0.0094	0.0031	0.37
145 Nether Providence township	2.4797	0.0641	0.0406	0.4359	0.0234	0.0188	0.0813	0.0000	0.3219	0.0516	0.0172	0.8391	0.3063	0.0453	4.72
150 Newtown township	2.3266	0.1281	0.0188	0.4359	0.0109	0.0656	0.2734	0.0000	0.4141	2.2047	0.0000	3.1969	0.8578	0.1328	10.07
155 Norwood borough	0.3609	0.1250	0.0000	0.1188	0.0281	0.0141	0.0078	0.0000	0.0563	0.0000	0.0000	0.0188	0.0828	0.0031	0.81
160 Parkside borough	0.0938	0.0375	0.0000	0.0375	0.0016	0.0047	0.0047	0.0000	0.0031	0.0000	0.0000	0.0141	0.0000	0.0000	0.20
165 Prospect Park borough	0.2875	0.1313	0.0125	0.1469	0.0000	0.0516	0.0125	0.0000	0.0344	0.0000	0.0000	0.0172	0.0406	0.0094	0.74
170 Radnor township	4.7297	0.3641	0.0188	1.1875	0.0203	0.1281	0.7719	0.0000	0.7047	1.3359	0.0078	3.2125	1.2547	0.0953	13.83
177 Ridley township	2.0313	0.5375	0.3156	0.8344	0.0469	0.1844	0.1122	0.0112	0.1375	0.0703	0.0109	0.2609	0.4984	0.2391	5.29
180 Ridley Park borough	0.4953	0.1281	0.0203	0.1938	0.0000	0.0203	0.0266	0.0000	0.0359	0.0016	0.0000	0.0594	0.0625	0.0141	1.05
185 Rose Valley borough	0.4578	0.0000	0.0000	0.0391	0.0000	0.0031	0.0063	0.0000	0.0031	0.0172	0.0000	0.1563	0.0281	0.0109	0.72
190 Rutledge borough	0.1172	0.0031	0.0000	0.0234	0.0000	0.0000	0.0031	0.0000	0.0000	0.0000	0.0000	0.0000	0.0016	0.0000	0.15
195 Sharon Hill borough	0.1906	0.1469	0.0844	0.1375	0.0125	0.0328	0.0391	0.0000	0.0234	0.0016	0.0000	0.0297	0.0781	0.0063	0.78
200 Springfield township	2.8797	0.1344	0.0563	0.8375	0.0313	0.2766	0.1422	0.0000	0.6297	0.0250	0.0359	0.8828	0.3844	0.0359	6.35

DELAWARE COUNTY	SINGLE FAMILY	MULTI- FAMILY	MANU	TRANS	UTILITY	COMMER	COMMUN SERVICE	MILITARY	RECRE	AGRI	MINING	WOODED	VACANT	WATER	TOTAL
205 Swarthmore borough	0.7688	0.0313	0.0000	0.1766	0.0016	0.0125	0.1125	0.0000	0.0953	0.0000	0.0000	0.1375	0.0563	0.0047	1.40
210 Thornbury township	1.3125	0.0078	0.0016	0.2219	0.0203	0.0094	0.2922	0.0000	0.0500	3.8031	0.1438	2.8281	0.4578	0.1109	9.26
215 Tinicum township	0.2953	0.0828	0.2750	1.1813	0.0578	0.1109	0.0250	0.0000	0.0375	0.0016	0.0031	0.0984	3.4109	3.3984	8.98
220 Trainer borough	0.0984	0.0578	0.3188	0.2078	0.0203	0.0922	0.0078	0.0000	0.0172	0.0000	0.0000	0.0688	0.1531	0.2953	1.34
225 Upland borough	0.1234	0.1250	0.0203	0.0906	0.0000	0.0422	0.0422	0.0085	0.0328	0.0266	0.0000	0.0797	0.0531	0.0188	0.66
230 Upper Chichester twm.	1.4250	0.0813	0.0718	0.3875	0.0422	0.5234	0.0765	0.0000	0.0593	1.0000	0.0031	1.8625	1.1430	0.0468	6.72
235 Upper Darby township	2.2922	1.6219	0.0844	1.5469	0.0422	0.7766	0.1859	0.0000	0.4438	0.0266	0.0031	0.3734	0.3922	0.0344	7.83
240 Upper Providence township	2.0297	0.0422	0.0156	0.3250	0.0125	0.0953	0.0266	0.0000	0.1500	0.3516	0.0000	1.8234	0.7594	0.2703	5.90
245 Yeadon borough	0.2422	0.3484	0.0219	0.2000	0.0000	0.4531	0.0219	0.0000	0.0828	0.0016	0.0000	0.1313	0.0906	0.0063	1.60
Totals	46.18	8.48	3.26	16.39	1.18	7.18	4.34	0.02	7.56	28.69	0.61	39.34	19.33	8.47	191.00

Table 16

DELAWARE COUNTY CHANGE IN LAND USE 1970 – 1990 **GROUPED CATEGORIES (square miles)**

DELAWARE COUNTY	TOTAL AREA	RESIDENTIAL				NON-RESIDENTIAL DEVELOPED				AGRICULTURE				RECREATION, VACANT, WOODED			
		1970	1990	'70 – '90 CHANGE	% CHANGE	1970	1990	'70 – '90 CHANGE	% CHANGE	1970	1990	'70 – '90 CHANGE	% CHANGE	1970	1990	'70 – '90 CHANGE	% CHANGE
5 Aldan borough	0.60	0.4000	0.3857	-0.0143	-3.6%	0.1438	0.1856	0.0419	29.1%	0.0000	0.0000	0.0000	0.0%	0.0594	0.0418	-0.0176	-29.6%
10 Aston township	5.79	1.5641	1.8629	0.2988	19.1%	0.9375	1.4623	0.5248	56.0%	0.7766	0.1258	-0.6508	-83.8%	2.4531	2.3384	-0.1147	-4.7%
15 Bethel township	5.49	0.7547	1.1813	0.4266	56.5%	0.7609	0.9007	0.1398	18.4%	1.4828	0.7581	-0.7247	-48.9%	2.4625	2.5504	0.0879	3.6%
20 Birmingham township	8.73	0.7813	1.4455	0.6643	85.0%	0.3641	0.8437	0.4797	131.8%	3.8500	2.0975	-1.7525	-45.5%	3.6281	4.0174	0.3893	10.7%
25 Brookhaven borough	1.73	0.8141	0.9631	0.1490	18.3%	0.3266	0.4234	0.0968	29.6%	0.0922	0.0000	-0.0922	-100.0%	0.4781	0.3614	-0.1168	-24.4%
30 Chester city	6.08	1.4766	2.0594	0.5829	39.5%	2.2953	2.0771	-0.2182	-9.5%	0.0000	0.0000	0.0000	0.0%	0.9297	0.6134	-0.3163	-34.0%
35 Chester township	1.39	0.2453	0.3716	0.1263	51.5%	0.2313	0.3863	0.1550	67.0%	0.0344	0.0000	-0.0344	-100.0%	0.8781	0.6312	-0.2469	-28.1%
38 Chester Heights borough	2.23	0.2484	0.5337	0.2853	114.8%	0.1016	0.2450	0.1434	141.2%	0.6859	0.2501	-0.4359	-63.5%	1.1859	1.1809	-0.0050	-0.4%
45 Clifton Heights borough	0.65	0.2891	0.3640	0.0749	25.9%	0.2422	0.1795	-0.0627	-25.9%	0.0000	0.0000	0.0000	0.0%	0.1109	0.0871	-0.0238	-21.5%
50 Collingdale borough	0.88	0.3938	0.5232	0.1294	32.9%	0.3516	0.2703	-0.0813	-23.1%	0.0000	0.0000	0.0000	0.0%	0.1281	0.0881	-0.0400	-31.3%
55 Colwyn borough	0.26	0.0953	0.1244	0.0291	30.5%	0.0703	0.0634	-0.0069	-9.9%	0.0000	0.0000	0.0000	0.0%	0.0891	0.0511	-0.0380	-42.6%
60 Concord township	13.60	2.0594	3.3448	1.2854	62.4%	0.8031	2.1103	1.3072	162.8%	5.6969	2.5030	-3.1939	-56.1%	4.9297	5.8577	0.9281	18.8%
65 Darby borough	0.83	0.3547	0.4716	0.1170	33.0%	0.3156	0.2332	-0.0824	-26.1%	0.0016	0.0000	-0.0016	-100.0%	0.1438	0.1009	-0.0429	-29.8%
70 Darby township	1.44	0.4203	0.5464	0.1261	30.0%	0.6516	0.6008	-0.0508	-7.8%	0.0250	0.0000	-0.0250	-100.0%	0.2859	0.2356	-0.0503	-17.6%
75 East Landsdowne borough	0.20	0.1359	0.1767	0.0408	30.0%	0.0609	0.0185	-0.0424	-69.6%	0.0000	0.0000	0.0000	0.0%	0.0000	0.0010	0.0010	100.0%
80 Eddystone borough	1.52	0.1031	0.1064	0.0033	3.2%	0.7625	0.8152	0.0527	6.9%	0.0000	0.0000	0.0000	0.0%	0.0859	0.0956	0.0097	11.3%
85 Edgmont township	9.72	0.8281	1.5396	0.7115	85.9%	0.3250	0.7522	0.4272	131.4%	3.6828	1.2671	-2.4157	-65.6%	4.7484	6.1057	1.3573	28.6%
90 Folcroft borough	1.39	0.3359	0.3582	0.0223	6.6%	0.2406	0.3860	0.1454	60.4%	0.0203	0.0000	-0.0203	-100.0%	0.6594	0.5840	-0.0754	-11.4%
95 Glenolden borough	0.98	0.4797	0.5687	0.0890	18.6%	0.2766	0.2751	-0.0015	-0.5%	0.0000	0.0000	0.0000	0.0%	0.2156	0.1319	-0.0837	-38.8%
100 Haverford township	9.97	5.0906	5.2814	0.1908	3.7%	2.0547	2.6920	0.6374	31.0%	0.1047	0.0000	-0.1047	-100.0%	2.6953	1.9696	-0.7257	-26.9%
105 Landsdowne borough	1.20	0.7469	0.7274	-0.0195	-2.6%	0.3031	0.3321	0.0290	9.6%	0.0031	0.0000	-0.0031	-100.0%	0.1375	0.1317	-0.0058	-4.2%
110 Lower Chichester township	1.11	0.1688	0.1884	0.0196	11.6%	0.5375	0.5843	0.0468	8.7%	0.0000	0.0000	0.0000	0.0%	0.4016	0.3360	-0.0656	-16.3%
115 Marcus Hook borough	1.61	0.0766	0.0806	0.0040	5.3%	0.9672	0.9471	-0.0201	-2.1%	0.0000	0.0000	0.0000	0.0%	0.0391	0.0519	0.0129	32.9%
120 Marple township	10.52	4.0063	4.0673	0.0610	1.5%	1.8219	2.8880	1.0662	58.5%	0.3250	0.1661	-0.1589	-48.9%	3.9734	3.0863	-0.8872	-22.3%
125 Media township	0.77	0.3484	0.3679	0.0195	5.6%	0.3031	0.3521	0.0490	16.2%	0.0000	0.0000	0.0000	0.0%	0.1047	0.0451	-0.0596	-57.0%
130 Middletown township	13.51	2.9906	3.3813	0.3907	13.1%	1.6141	2.3400	0.7259	45.0%	2.9766	1.2152	-1.7614	-59.2%	5.8203	6.4305	0.6102	10.5%
135 Millbourne borough	0.07	0.0188	0.0222	0.0034	18.2%	0.0500	0.0292	-0.0208	-41.6%	0.0000	0.0000	0.0000	0.0%	0.0000	0.0114	0.0114	100.0%
140 Morton borough	0.37	0.2000	0.2108	0.0108	5.4%	0.1063	0.1455	0.0392	36.9%	0.0078	0.0000	-0.0078	-100.0%	0.0516	0.0126	-0.0390	-75.7%
145 Nether Providence township	4.72	2.5438	2.5582	0.0145	0.6%	0.6172	1.2953	0.6782	109.9%	0.0516	0.0000	-0.0516	-100.0%	1.4672	0.8630	-0.6041	-41.2%
150 Newtown township	10.07	2.4547	3.2169	0.7622	31.1%	0.8047	1.5276	0.7229	89.8%	2.2047	1.4373	-0.7673	-34.8%	4.4688	3.8117	-0.6570	-14.7%
155 Norwood borough	0.81	0.4859	0.4460	-0.0400	-8.2%	0.1688	0.1748	0.0060	3.6%	0.0000	0.0000	0.0000	0.0%	0.1578	0.1386	-0.0192	-12.2%
160 Parkside borough	0.20	0.1313	0.1132	-0.0181	-13.8%	0.0484	0.0458	-0.0027	-5.5%	0.0000	0.0000	0.0000	0.0%	0.0172	0.0081	-0.0091	-53.0%
165 Prospect Park borough	0.74	0.4188	0.4250	0.0062	1.5%	0.2234	0.2590	0.0355	15.9%	0.0000	0.0000	0.0000	0.0%	0.0922	0.0529	-0.0393	-42.6%
170 Radnor township	13.83	5.0938	6.4790	1.3852	27.2%	2.1344	3.9457	1.8113	84.9%	1.3359	1.0257	-0.3102	-23.2%	5.1719	2.3423	-2.8296	-54.7%
177 Ridley township	5.29	2.5688	3.2141	0.6453	25.1%	1.5156	1.4411	-0.0745	-4.9%	0.0703	0.0000	-0.0703	-100.0%	0.8969	0.4340	-0.4629	-51.6%
180 Ridley Park borough	1.05	0.6234	0.5984	-0.0250	-4.0%	0.2609	0.3188	0.0579	22.2%	0.0016	0.0000	-0.0016	-100.0%	0.1578	0.1350	-0.0228	-14.4%
185 Rose Valley borough	0.72	0.4578	0.4090	-0.0488	-10.7%	0.0484	0.1580	0.1095	226.1%	0.0172	0.0000	-0.0172	-100.0%	0.1875	0.1438	-0.0437	-23.3%
190 Rutledge borough	0.15	0.1203	0.1047	-0.0156	-13.0%	0.0266	0.0393	0.0127	47.8%	0.0000	0.0000	0.0000	0.0%	0.0016	0.0029	0.0013	85.2%

		RESIDENTIAL				NON – RESIDENTIAL DEVELOPED				AGRICULTURE				RECREATION, VACANT, WOODED			
DELAWARE COUNTY	TOTAL AREA	1970	1990	'70 – '90 CHANGE	% CHANGE	1970	1990	'70 – '90 CHANGE	% CHANGE	1970	1990	'70 – '90 CHANGE	% CHANGE	1970	1990	'70 – '90 CHANGE	% CHANGE
195 Sharon Hill borough	0.78	0.3375	0.3601	0.0226	6.7%	0.3063	0.3141	0.0078	2.5%	0.0016	0.0000	– 0.0016	– 100.0%	0.1313	0.0871	– 0.0441	– 33.6%
200 Springfield township	6.35	3.0141	5.4198	2.4058	79.8%	1.3797	3.9942	2.6145	189.5%	0.0250	0.0000	– 0.0250	– 100.0%	1.8969	1.9811	0.0842	4.4%
205 Swarthmore borough	1.40	0.8000	0.7098	– 0.0902	– 11.3%	0.3031	0.4482	0.1451	47.9%	0.0000	0.0000	0.0000	0.0%	0.2891	0.2322	– 0.0569	– 19.7%
210 Thornbury township	9.26	1.3203	1.9349	0.6146	46.5%	0.6891	1.0580	0.3689	53.5%	3.8031	2.2172	– 1.5859	– 41.7%	3.3359	4.0153	0.6794	20.4%
215 Tinicum township	8.98	0.3781	0.4546	0.0765	20.2%	1.6531	3.5422	1.8891	114.3%	0.0016	0.0546	0.0530	3393.5%	3.5469	1.4982	– 2.0487	– 57.8%
220 Trainer borough	1.34	0.1563	0.1418	– 0.0144	– 9.2%	0.6469	0.6981	0.0512	7.9%	0.0000	0.0000	0.0000	0.0%	0.2391	0.2085	– 0.0306	– 12.8%
225 Upland borough	0.66	0.2484	0.2492	0.0008	0.3%	0.2038	0.2336	0.0298	14.6%	0.0266	0.0000	– 0.0266	– 100.0%	0.1656	0.1812	0.0156	9.4%
230 Upper Chichester twn.	6.72	1.5063	2.0721	0.5659	37.6%	1.1045	1.7965	0.6920	62.7%	1.0000	0.1871	– 0.8129	– 81.3%	3.0648	2.5976	– 0.4672	– 15.2%
235 Upper Darby township	7.83	3.9141	4.2832	0.3691	9.4%	2.6391	2.5137	– 0.1253	– 4.7%	0.0266	0.0000	– 0.0266	– 100.0%	1.2094	0.9890	– 0.2204	– 18.2%
240 Upper Providence township	5.90	2.0719	2.5395	0.4676	22.6%	0.4750	1.0781	0.6031	127.0%	0.3516	0.0691	– 0.2824	– 80.3%	2.7328	1.9011	– 0.8318	– 30.4%
245 Yeadon borough	1.60	0.5906	0.7536	0.1630	27.6%	0.6969	0.5149	– 0.1820	– 26.1%	0.0016	0.0000	– 0.0016	– 100.0%	0.3047	0.3184	0.0137	4.5%
Totals	191.00	54.66	67.37	12.71	23.2%	32.96	47.94	14.98	45.4%	28.69	13.37	– 15.32	– 53.4%	66.23	58.66	– 7.57	– 11.4%

MONTGOMERY COUNTY PROFILE

Montgomery County has grown considerably in the twenty year period from 1970 - 1990. The population increased by 54,312, and 73,176 residential units were authorized by building permit (Census). BEA total employment figures show that 190,967 jobs were created.

The ten municipalities in Montgomery County with the largest increases in **Residential** land use area were, for the most, part in the northern portion of the County. Those municipalities with the largest increases were:

Change in square miles

1.	Towamencin township	1.9982
2.	Lower Salford township	1.7323
3.	Whitpain township	1.5119
4.	Montgomery township	1.3649
5.	Upper Gwynedd township	1.1473
6.	Salford township	0.9585
7.	Upper Dublin township	0.9513
8.	Franconia township	0.9248
9.	New Hanover township	0.8241
10.	Douglass township	0.8068

The ten municipalities with the largest increases in **Non-Residential Development** were:

Change in square miles

1.	Lower Merion township	2.8086
2.	Whitpain township	2.0266
3.	Hatfield township	1.9138
4.	Horsham township	1.8636
5.	Plymouth township	1.7681
6.	Montgomery township	1.6892
7.	Upper Merion township	1.6457
8.	Upper Dublin township	1.4953
9.	Abington township	1.4678
10.	Towamencin township	1.4090

The northern portion of Montgomery County had the largest losses in **Agricultural** land area. The ten municipalities with the largest decreases were:

Change in square miles

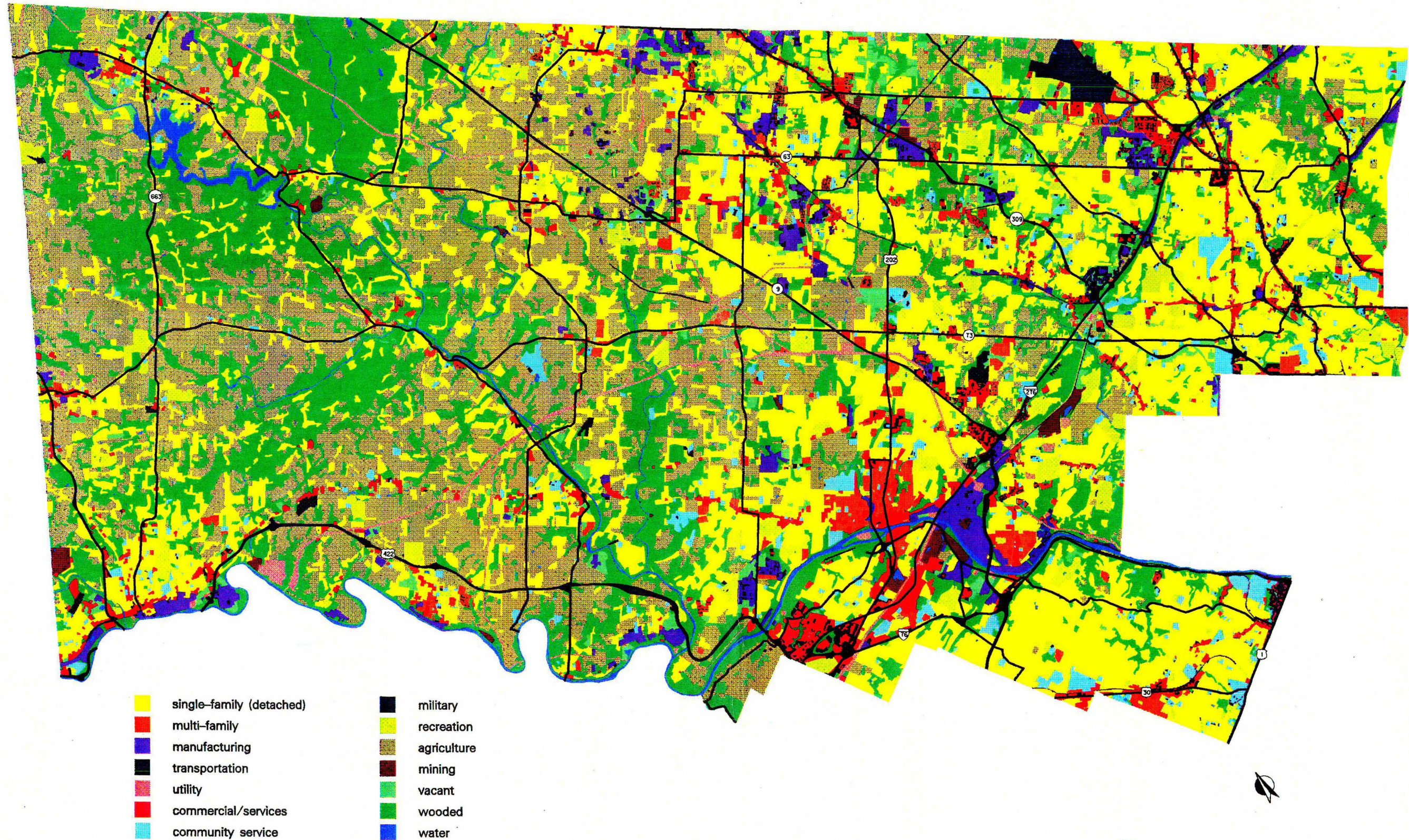
1.	Montgomery township	-3.9297
2.	Horsham township	-3.6926
3.	New Hanover township	-3.5823
4.	Towamencin township	-3.4816
5.	Whitpain township	-3.4241
6.	Upper Hanover township	-3.4114
7.	Upper Providence township	-3.2935
8.	Limerick township	-3.1312
9.	Lower Salford township	-2.8544
10.	Hatfield township	-2.6849

The ten municipalities in Montgomery County with the largest decrease in the **Recreation, Vacant and Wooded** land use category were:

Change in square miles

1.	Upper Merion township	-3.0411
2.	Plymouth township	-1.2554
3.	Lower Merion township	-1.1463
4.	Abington township	-0.8804
5.	East Norriton township	-0.6004
6.	Lower Moreland township	-0.4259
7.	West Norriton township	-0.4115
8.	Upper Gwynedd township	-0.3551
9.	Whitpain township	-0.3063
10.	Upper Moreland township	-0.2925

Map 11:
1990 LAND USE: MONTGOMERY COUNTY



Map 12 MONTGOMERY COUNTY MUNICIPALITIES



PREPARED BY
DELAWARE VALLEY REGIONAL PLANNING COMMISSION

Table 17

1990 MONTGOMERY COUNTY LAND USE (square miles)

MONTGOMERY COUNTY	SINGLE FAMILY	MULTI- FAMILY	MANU	TRANS	UTILITY	COMMERCIAL	COMMUN SERVICE	MILITARY	RECRE	AGRI	MINING	WOODED	VACANT	WATER	TOTAL
5 Abington township	7.0333	0.3038	0.0693	3.0198	0.0026	0.5679	1.0238	0.0000	0.7870	0.4846	0.0000	2.1155	0.1062	0.0144	15.53
10 Ambler borough	0.3992	0.0225	0.0467	0.1840	0.0001	0.1109	0.0166	0.0000	0.0118	0.0000	0.0000	0.0384	0.0114	0.0012	0.84
15 Bridgeport borough	0.0984	0.1195	0.0000	0.0485	0.0020	0.2650	0.0221	0.0000	0.0430	0.0000	0.0000	0.0779	0.0000	0.0243	0.70
20 Bryn Athyn borough	0.2282	0.0220	0.0000	0.1033	0.0000	0.1272	0.0562	0.0000	0.0280	0.5693	0.0000	0.7851	0.0000	0.0048	1.92
25 Cheltenham township	3.8011	0.5162	0.0416	1.7530	0.0000	0.4026	0.6494	0.0000	0.8454	0.0090	0.0000	0.7219	0.2709	0.0336	9.04
30 Collegeville borough	0.6052	0.0384	0.0076	0.2162	0.0000	0.1255	0.1005	0.0000	0.0448	0.0807	0.0000	0.2990	0.0551	0.0347	1.61
35 Conshohocken borough	0.0338	0.4989	0.2554	0.0128	0.0000	0.1063	0.0153	0.0000	0.0398	0.0000	0.0000	0.0158	0.0000	0.0454	1.02
40 Douglass township	1.7175	0.0627	0.1139	0.5875	0.0489	0.2692	0.0356	0.0000	0.2299	8.8885	0.0000	3.3083	0.1389	0.0263	15.43
45 East Greenville borough	0.1274	0.1347	0.0020	0.0482	0.0000	0.0502	0.0129	0.0000	0.0473	0.0184	0.0000	0.0026	0.0579	0.0000	0.50
50 East Norriton township	2.3144	0.1650	0.2003	0.8702	0.0169	0.3279	0.1380	0.0000	0.2068	0.6604	0.0454	0.9929	0.1062	0.0186	6.06
55 Franconia township	2.3804	0.0803	0.2069	1.0634	0.2111	0.1135	0.1591	0.0000	0.3174	7.9349	0.0003	0.9853	0.2988	0.0847	13.84
60 Green Lane borough	0.0824	0.0000	0.0000	0.0275	0.0000	0.0548	0.0012	0.0000	0.0075	0.0073	0.0000	0.1512	0.0000	0.0060	0.34
65 Hatboro borough	0.6406	0.0989	0.0380	0.2875	0.0009	0.1756	0.0673	0.0000	0.0309	0.0000	0.0000	0.0720	0.0134	0.0098	1.43
70 Hatfield borough	0.2838	0.0186	0.0241	0.1016	0.0059	0.0815	0.0150	0.0000	0.0012	0.0523	0.0000	0.0237	0.0109	0.0020	0.62
75 Hatfield township	2.4975	0.2564	1.2063	1.1784	0.1809	0.2653	0.1163	0.0000	0.1551	2.5120	0.0149	1.1934	0.4333	0.0296	10.04
80 Harsham township	3.1357	0.3417	0.5991	1.6371	0.2436	0.7267	0.2824	1.5959	1.3951	3.0855	0.0000	3.1620	1.0193	0.1187	17.34
85 Jenkintown borough	0.2925	0.0124	0.0000	0.1333	0.0000	0.1091	0.0125	0.0000	0.0163	0.0000	0.0000	0.0003	0.0000	0.0000	0.58
90 Landsdale borough	1.1434	0.1612	0.2824	0.5808	0.0394	0.2273	0.2101	0.0000	0.1303	0.0243	0.0000	0.0875	0.0639	0.0000	2.95
95 Limerick township	2.0746	0.0355	0.1508	1.1748	0.5480	0.3612	0.1744	0.0000	0.6093	10.5469	0.0000	6.5368	0.2771	0.2803	22.77
100 Lower Frederick township	0.8608	0.0937	0.0000	0.2997	0.0000	0.0819	0.0243	0.0000	0.0741	2.2711	0.0000	4.2836	0.0103	0.1374	8.14
105 Lower Gwynedd township	2.9585	0.3085	0.2008	1.2683	0.0200	0.1828	0.1312	0.0000	0.3804	0.8780	0.0000	2.4773	0.4959	0.0236	9.33
110 Lower Merion township	11.4977	0.5578	0.0291	4.8201	0.0011	0.7572	1.9700	0.0000	0.5893	0.1236	0.0000	3.1168	0.1788	0.2808	23.92
115 Lower Moreland township	2.8100	0.0457	0.3676	1.0555	0.0000	0.0640	0.2129	0.0000	0.5978	0.6228	0.0000	1.4276	0.0939	0.0136	7.31
120 Lower Pottsgrove township	1.9191	0.1448	0.2340	0.7902	0.0826	0.1624	0.1137	0.0000	0.2848	1.1865	0.0662	2.6791	0.2428	0.1429	8.05
125 Lower Providence twm.	3.6283	0.2494	0.3529	1.4053	0.0658	0.3345	0.3752	0.0000	0.3869	2.4619	0.0062	5.4267	0.4341	0.3561	15.48
130 Lower Salford township	3.1166	0.1438	0.0983	1.1801	0.0067	0.1457	0.0645	0.0000	0.3226	7.1612	0.0330	1.9481	0.2765	0.0937	14.59
135 Marlborough township	1.1380	0.0000	0.0443	0.3793	0.1571	0.1139	0.0320	0.0000	0.2437	2.2524	0.0913	7.9308	0.0216	0.3047	12.71
140 Montgomery township	2.5080	0.2163	0.6730	1.3519	0.0331	0.4021	0.0434	0.0000	0.3120	1.7766	0.1341	2.0317	1.1651	0.0075	10.65
145 Narbeth borough	0.2797	0.0223	0.0000	0.1051	0.0000	0.0301	0.0159	0.0000	0.0085	0.0000	0.0000	0.0048	0.0000	0.0000	0.47
150 New Hanover township	2.1944	0.0000	0.0000	0.7657	0.0000	0.0655	0.0650	0.0000	0.5592	9.0365	0.0000	8.9009	0.0146	0.0602	21.66
155 Norristown borough	0.1204	1.6200	0.1300	0.0604	0.0147	0.6419	0.2836	0.0000	0.1267	0.0717	0.0000	0.4116	0.0270	0.1546	3.66
160 North Wales borough	0.2870	0.0528	0.0129	0.1240	0.0000	0.0571	0.0317	0.0000	0.0000	0.0000	0.0000	0.0000	0.0123	0.0000	0.58
165 Pennsburg borough	0.2108	0.0128	0.0069	0.0868	0.0000	0.0955	0.0600	0.0000	0.0108	0.1338	0.0000	0.0845	0.0848	0.0053	0.79
170 Perkiomen township	0.8445	0.0431	0.0000	0.3028	0.1097	0.0831	0.0286	0.0000	0.1690	1.8293	0.0000	1.3969	0.0307	0.1221	4.96
175 Plymouth township	2.3315	0.1168	1.6303	1.5084	0.2136	0.6640	0.1967	0.0000	0.2785	0.4154	0.0519	0.8630	0.1000	0.1361	8.51
180 Pottstown borough	1.5879	0.0322	0.4890	0.7038	0.0373	0.6103	0.2797	0.0000	0.3551	0.0187	0.0000	0.5043	0.1454	0.1543	4.92
185 Red Hill borough	0.2053	0.0000	0.0133	0.0801	0.0000	0.0696	0.0209	0.0000	0.0333	0.2075	0.0000	0.0287	0.0143	0.0024	0.68
190 Rockledge borough	0.1437	0.0670	0.0000	0.0578	0.0000	0.0289	0.0265	0.0000	0.0060	0.0002	0.0000	0.0187	0.0000	0.0000	0.35
195 Royersford borough	0.1819	0.2210	0.1097	0.0648	0.0000	0.0614	0.0266	0.0000	0.0088	0.0040	0.0000	0.0998	0.0061	0.0394	0.82
200 Salford township	1.4288	0.0000	0.0000	0.5873	0.1993	0.0286	0.0027	0.0000	0.0678	2.5041	0.0000	4.5945	0.0498	0.0804	9.54

MONTGOMERY COUNTY	SINGLE FAMILY	MULTI- FAMILY	MANU	TRANS	UTILITY	COMMER	COMMUN SERVICE	MILITARY	RECRE	AGRI	MINING	WOODED	VACANT	WATER	TOTAL
205 Schwenksville borough	0.1555	0.0309	0.0000	0.0538	0.0042	0.0211	0.0168	0.0000	0.0082	0.0210	0.0000	0.0787	0.0038	0.0003	0.39
210 Skippack township	1.3988	0.1503	0.0255	0.5654	0.3027	0.1242	0.3559	0.0000	0.1653	6.3461	0.0000	4.2846	0.0421	0.1851	13.95
215 Souderton borough	0.6023	0.0147	0.0000	0.2094	0.0000	0.1251	0.0781	0.0000	0.0351	0.0476	0.0000	0.0000	0.0011	0.0000	1.11
220 Springfield township	2.9955	0.0504	0.1047	1.1412	0.0010	0.1711	0.2327	0.0000	0.7591	0.3265	0.0000	0.6578	0.3510	0.0168	6.81
225 Telford borough	0.2251	0.0014	0.0000	0.0984	0.0000	0.0748	0.0236	0.0000	0.0212	0.0363	0.0000	0.0046	0.0083	0.0000	0.49
230 Towamencin township	3.0050	0.4526	0.1345	1.2312	0.1328	0.2876	0.2478	0.0000	0.1831	2.3028	0.0000	1.2689	0.4383	0.0200	9.70
235 Trappe borough	0.4231	0.0453	0.0201	0.1543	0.0378	0.0868	0.0621	0.0000	0.0214	0.7717	0.0000	0.4127	0.0417	0.0013	2.08
240 Upper Dublin township	4.9739	0.2492	0.2532	2.4429	0.0384	0.2281	0.4124	0.0000	0.9868	0.3903	0.0000	2.0492	1.1860	0.0483	13.26
245 Upper Frederick township	0.7837	0.0000	0.0000	0.2643	0.0000	0.0049	0.0521	0.0000	0.0911	4.3496	0.0000	4.2589	0.0488	0.1981	10.05
250 Upper Gwynedd township	2.6726	0.1637	0.7296	1.2288	0.1736	0.2270	0.1390	0.0000	0.1670	0.9522	0.0000	1.1373	0.5062	0.0139	8.11
255 Upper Hanover township	1.7229	0.0038	0.4378	0.6469	0.2072	0.1669	0.1549	0.0000	0.6759	9.4042	0.0000	6.1169	0.4342	1.1894	21.16
260 Upper Merion township	3.7866	0.3550	0.3551	2.4124	0.3561	2.2271	0.4605	0.0000	0.6258	1.5588	0.5751	4.0893	0.1345	0.4020	17.34
265 Upper Moreland township	2.9613	0.3665	0.3391	1.2885	0.0568	0.4940	0.0727	0.0000	0.6734	0.3489	0.0000	1.1579	0.1997	0.0259	7.98
270 Upper Pottsgrove twm.	1.0411	0.0012	0.0000	0.3563	0.0000	0.1086	0.0204	0.0000	0.0263	1.4830	0.0115	1.8907	0.0123	0.0072	4.96
275 Upper Providence twm.	1.8607	0.2625	0.4422	1.0887	0.3565	0.0504	0.2158	0.0000	0.1184	8.1909	0.0442	4.5750	0.4346	0.5464	18.19
280 Upper Salford township	1.3859	0.0000	0.0033	0.4620	0.0000	0.0364	0.0414	0.0000	0.0155	4.3439	0.0000	2.6246	0.0000	0.1258	9.04
285 West Conshohocken twm.	0.0981	0.0164	0.1180	0.2129	0.0268	0.0611	0.0031	0.0000	0.0119	0.0000	0.0000	0.2196	0.0867	0.0332	0.89
290 West Norriton township	1.9098	0.2651	0.3087	0.7272	0.0517	0.2386	0.3191	0.0000	0.5433	0.5048	0.0000	0.8777	0.1472	0.2349	6.13
295 West Pottsgrove township	0.5304	0.0000	0.1294	0.2295	0.0000	0.1413	0.1058	0.0000	0.0507	0.0968	0.2559	0.7911	0.0171	0.0691	2.42
300 Whitmarsh township	2.9310	0.1534	0.2282	1.5054	0.3753	0.3259	0.4030	0.0000	1.3904	2.0138	0.3874	4.3403	0.4996	0.2105	14.76
305 Whitpain township	3.7592	0.5683	0.1482	1.9545	0.3257	0.5660	0.3385	0.0000	0.7225	2.2165	0.0000	1.7092	0.4964	0.0239	12.83
310 Worcester township	2.5269	0.1546	0.0889	0.9865	0.4897	0.1175	0.2746	0.0000	0.3431	8.0368	0.0000	3.0785	0.1050	0.0276	16.23
TOTALS	110.89	10.14	11.5	49.29	5.18	15.03	11.14	1.6	17.4	121.57	1.72	114.42	11.46	6.23	487.57

Table 18

1970 MONTGOMERY COUNTY LAND USE (square miles)

MONTGOMERY COUNTY	SINGLE FAMILY	MULTI- FAMILY	MANU	TRANS	UTILITY	COMMER	COMMUN SERVICE	MILITARY	RECRE	AGRI	MINING	WOODED	VACANT	WATER	TOTAL
5 Abington township	7.3688	0.4703	0.0484	1.9734	0.0328	0.7938	0.3672	0.0000	1.3484	0.7547	0.0000	1.4922	1.0484	0.0875	15.78
10 Ambler borough	0.3453	0.0984	0.0406	0.1641	0.0047	0.0828	0.0266	0.0000	0.0438	0.0000	0.0375	0.0109	0.0094	0.0016	0.86
15 Bridgeport borough	0.0813	0.1203	0.0953	0.1391	0.0063	0.0594	0.0172	0.0000	0.0203	0.0000	0.0000	0.0125	0.1172	0.0547	0.72
20 Bryn Athyn borough	0.2344	0.0109	0.0000	0.0719	0.0016	0.0000	0.1016	0.0000	0.0609	0.6828	0.0000	0.6297	0.1406	0.0219	1.95
25 Cheltenham township	4.4844	0.6281	0.0344	1.3078	0.0391	0.4656	0.5188	0.0000	0.9375	0.0578	0.0172	0.4688	0.2250	0.0531	9.24
30 Collegeville borough	0.4109	0.0250	0.0219	0.0922	0.0063	0.0563	0.0766	0.0000	0.0469	0.4141	0.0000	0.2438	0.2063	0.0344	1.63
35 Conshohocken borough	0.1594	0.2563	0.0641	0.2219	0.0250	0.1031	0.0203	0.0000	0.0469	0.0000	0.0000	0.0688	0.0438	0.0313	1.04
40 Douglass township	0.9453	0.0281	0.0594	0.4172	0.0172	0.0734	0.0313	0.0000	0.2156	10.9781	0.0172	2.3547	0.3203	0.0938	15.55
45 East Greenville borough	0.1188	0.0766	0.0219	0.0484	0.0000	0.0406	0.0219	0.0000	0.0281	0.1094	0.0000	0.0000	0.0375	0.0016	0.50
50 East Norriton township	2.1625	0.0813	0.0188	0.3656	0.0672	0.2875	0.0906	0.0000	0.1922	1.0641	0.0594	0.7469	0.9672	0.0391	6.14
55 Franconia township	1.5078	0.0281	0.0922	0.3813	0.0156	0.1375	0.0453	0.0000	0.3016	9.9781	0.0172	0.9125	0.4875	0.1328	14.04
60 Green Lane borough	0.0688	0.0203	0.0094	0.0188	0.0016	0.0266	0.0078	0.0000	0.0141	0.0094	0.0000	0.1234	0.0422	0.0031	0.35
65 Hatboro borough	0.7281	0.0844	0.0953	0.2250	0.0016	0.1000	0.0219	0.0000	0.0844	0.0000	0.0000	0.0594	0.0484	0.0094	1.46
70 Hatfield borough	0.2766	0.0359	0.0203	0.0656	0.0063	0.0453	0.0172	0.0000	0.0078	0.0563	0.0000	0.0359	0.0609	0.0063	0.64
75 Hatfield township	1.8578	0.1734	0.3063	0.3906	0.0266	0.2297	0.0734	0.0000	0.1406	5.1969	0.0219	0.8547	0.8891	0.0594	10.22
80 Harsham township	2.8297	0.0766	0.0891	0.5766	0.0094	0.3703	0.5802	1.5957	1.6891	6.7781	0.0000	2.7297	1.0156	0.0875	17.63
85 Jenkintown borough	0.2656	0.0813	0.0031	0.1266	0.0016	0.0547	0.0250	0.0000	0.0188	0.0000	0.0000	0.0063	0.0063	0.0000	0.59
90 Landsdale borough	1.0656	0.4438	0.3516	0.4594	0.0516	0.1953	0.1328	0.0000	0.1391	0.0359	0.0000	0.0406	0.0891	0.0047	3.01
95 Limerick township	1.4828	0.0484	0.3250	0.8797	0.0219	0.2344	0.0625	0.0000	0.6344	13.6781	0.0063	3.9578	1.4234	0.3984	23.15
100 Lower Frederick township	0.7281	0.0109	0.0141	0.2016	0.0016	0.0609	0.0281	0.0000	0.1906	3.2531	0.0000	3.1578	0.6125	0.1375	8.40
105 Lower Gwynedd township	2.3844	0.1234	0.1391	0.3391	0.0156	0.0688	0.1531	0.0000	0.4297	3.0656	0.0031	1.7797	0.8609	0.0641	9.43
110 Lower Merion township	12.9328	0.9000	0.0969	2.5438	0.0422	1.1594	0.9234	0.0000	0.8391	0.3422	0.0031	3.2781	0.9141	0.3000	24.28
115 Lower Moreland township	2.7203	0.0391	0.1734	0.5375	0.0281	0.4188	0.0703	0.0000	0.6469	0.7703	0.0641	1.1453	0.7531	0.0406	7.41
120 Lower Pottsgrove township	1.5844	0.0328	0.2922	0.4094	0.0141	0.1313	0.1078	0.0000	0.4438	2.2891	0.0500	1.8750	0.7672	0.1891	8.19
125 Lower Providence township	3.2703	0.1922	0.1359	0.5844	0.0766	0.3391	0.1688	0.0000	0.9688	4.5016	0.0969	3.6031	1.4672	0.3734	15.78
130 Lower Salford township	1.4969	0.0313	0.0641	0.3984	0.0078	0.1078	0.0453	0.0000	0.1844	10.0156	0.0422	1.5672	0.6344	0.1797	14.78
135 Marlborough township	1.1313	0.0469	0.0297	0.2266	0.0031	0.1641	0.1063	0.0000	1.3859	3.2578	0.1313	4.9172	1.2828	0.2594	12.94
140 Montgomery township	1.3547	0.0047	0.1359	0.4453	0.0391	0.1859	0.0281	0.0000	0.2797	5.7063	0.1141	1.6188	0.8328	0.0609	10.81
145 Narbeth borough	0.2672	0.0844	0.0016	0.1109	0.0000	0.0281	0.0094	0.0000	0.0188	0.0109	0.0000	0.0094	0.0016	0.0000	0.54
150 New Hanover township	1.3563	0.0141	0.0141	0.4969	0.0016	0.1063	0.0344	0.0000	0.6156	12.6188	0.0000	5.8625	0.7641	0.1500	22.04
155 Norristown borough	0.5422	1.0813	0.1297	0.8750	0.0547	0.3563	0.1469	0.0000	0.3188	0.0156	0.0016	0.0781	0.2484	0.0875	3.94
160 North Wales borough	0.3172	0.0688	0.0219	0.0844	0.0031	0.0328	0.0203	0.0000	0.0172	0.0000	0.0000	0.0016	0.0234	0.0000	0.59
165 Pennsburg borough	0.1594	0.0547	0.0266	0.0766	0.0031	0.0969	0.0344	0.0000	0.0281	0.0813	0.0000	0.0625	0.1844	0.0063	0.82
170 Perkiomen township	0.7078	0.0156	0.0141	0.1469	0.0016	0.0500	0.0219	0.0000	0.1453	2.7281	0.0000	0.7766	0.3250	0.1234	5.06
175 Plymouth township	2.1484	0.1813	0.6141	0.9578	0.1906	0.3516	0.1297	0.0000	0.3531	1.1875	0.2531	0.6250	1.5188	0.1359	8.65
180 Pottstown borough	1.2016	0.4781	0.3672	0.8844	0.0906	0.3750	0.1188	0.0000	0.3828	0.1484	0.0547	0.3438	0.4109	0.1438	5.00
185 Red Hill borough	0.0969	0.0328	0.0156	0.0594	0.0016	0.0234	0.0406	0.0000	0.0313	0.2906	0.0000	0.0125	0.0813	0.0016	0.69
190 Rockledge borough	0.1844	0.0313	0.0047	0.0578	0.0000	0.0563	0.0047	0.0000	0.0016	0.0000	0.0000	0.0016	0.0156	0.0000	0.36
195 Royersford borough	0.2516	0.1172	0.0797	0.1188	0.0031	0.0547	0.0250	0.0000	0.0109	0.0109	0.0000	0.0656	0.0594	0.0406	0.84
200 Salford township	0.4641	0.0063	0.0000	0.2281	0.0141	0.0109	0.0031	0.0000	0.1641	4.1141	0.0000	4.0281	0.5391	0.1188	9.69
205 Schwenksville borough	0.0750	0.0141	0.0016	0.0250	0.0047	0.0078	0.0203	0.0000	0.0141	0.0516	0.0000	0.0391	0.0125	0.0016	0.27

MONTGOMERY COUNTY	SINGLE FAMILY	MULTI- FAMILY	MANU	TRANS	UTILITY	COMMER	COMMUN SERVICE	MILITARY	RECRE	AGRI	MINING	WOODED	VACANT	WATER	TOTAL
210 Skippack township	1.2172	0.0188	0.2344	0.3797	0.0156	0.0813	0.1594	0.0000	0.2234	8.6000	0.0047	2.1922	0.8703	0.2234	14.22
215 Souderton borough	0.4875	0.1484	0.0156	0.1531	0.0031	0.0922	0.0500	0.0000	0.0438	0.0750	0.0000	0.0156	0.0594	0.0016	1.14
220 Springfield township	3.4531	0.1344	0.0828	0.6891	0.0172	0.1281	0.2297	0.0000	0.7719	0.4219	0.0234	0.5203	0.4750	0.0422	6.99
225 Telford borough	0.2328	0.0453	0.0156	0.0625	0.0000	0.0391	0.0031	0.0000	0.0109	0.0547	0.0000	0.0000	0.0406	0.0000	0.50
230 Towamencin township	1.3922	0.0672	0.0469	0.3078	0.0531	0.0859	0.1313	0.0000	0.1109	5.7844	0.0000	0.7953	1.0141	0.1016	9.89
235 Trappe borough	0.3938	0.0078	0.0188	0.0719	0.0016	0.0375	0.0234	0.0000	0.0172	1.3031	0.0000	0.1563	0.0781	0.0094	2.12
240 Upper Dublin township	4.2188	0.0531	0.2719	1.0656	0.0563	0.1641	0.3016	0.0000	0.9203	2.4906	0.0203	2.1219	1.4438	0.3609	13.49
245 Upper Frederick township	0.5375	0.0125	0.0000	0.1938	0.0016	0.0156	0.0078	0.0000	0.8688	5.3969	0.0000	2.3875	0.4047	0.2266	10.05
250 Upper Gwynedd township	1.5547	0.1344	0.7328	0.3922	0.0594	0.0734	0.1063	0.0000	0.1438	3.0500	0.0000	0.8750	1.1469	0.0484	8.32
255 Upper Hanover township	0.9281	0.0281	0.1047	0.4344	0.0344	0.1719	0.0422	0.0000	0.5125	12.8156	0.0000	3.5359	1.7141	1.2656	21.59
260 Upper Merion township	3.6313	0.2000	0.9375	1.9531	0.1719	0.6375	0.3391	0.0000	2.8406	0.7406	0.7016	2.4688	2.5813	0.4313	17.63
265 Upper Moreland township	3.0516	0.1844	0.2281	0.9156	0.0328	0.2781	0.1141	0.0000	0.5172	0.9094	0.0000	1.0203	0.7859	0.0438	8.08
270 Upper Pottsgrove township	0.8922	0.0016	0.0016	0.2063	0.0000	0.0609	0.0047	0.0000	0.0078	2.3922	0.0000	1.1859	0.2688	0.0344	5.06
275 Upper Providence township	1.4391	0.0250	0.2266	0.4734	0.1656	0.1266	0.0672	0.0000	0.2859	11.4844	0.0047	2.5391	1.1250	0.5297	18.49
280 Upper Salford township	0.6484	0.0063	0.0125	0.2047	0.0000	0.0594	0.0172	0.0000	0.1500	5.2203	0.0000	2.2734	0.5063	0.1281	9.23
285 West Conshohocken boro.	0.1188	0.0313	0.0547	0.1391	0.0203	0.0500	0.0078	0.0000	0.0047	0.0016	0.1203	0.2281	0.0891	0.0406	0.90
290 West Norriton township	2.3313	0.0531	0.0453	0.3406	0.1156	0.1984	0.0953	0.0000	0.5484	0.9438	0.0000	0.7297	0.7016	0.2594	6.37
295 West Pottsgrove township	0.5156	0.0375	0.1266	0.2234	0.0719	0.0641	0.0109	0.0000	0.0219	0.4313	0.0375	0.3969	0.4203	0.0813	2.44
300 Whitemarsh township	2.9703	0.0844	0.3750	0.9797	0.2297	0.3719	0.1766	0.0000	2.1547	3.0063	0.3031	2.0922	1.9625	0.2219	14.93
305 Whitpain township	2.7938	0.0219	0.1078	0.7500	0.1172	0.1734	0.1578	0.0000	0.8297	5.6406	0.0000	1.4875	0.9172	0.0813	13.08
310 Worcester township	2.1141	0.0125	0.0469	0.4125	0.0188	0.1297	0.1469	0.0000	0.7000	10.3453	0.0281	1.8016	0.6281	0.1328	16.52
Totals	96.69	7.66	7.75	28.08	2.12	10.58	6.67	1.60	25.13	185.36	2.23	78.42	36.72	7.80	496.01

Table 19

MONTGOMERY COUNTY CHANGE IN LAND USE 1970 – 1990

GROUPED CATEGORIES (square miles)

	TOTAL AREA	RESIDENTIAL				NON-RESIDENTIAL DEVELOPED				AGRICULTURE				RECREATION, VACANT, WOODED			
		1970	1990	'70 – '90 CHANGE	% CHANGE	1970	1990	'70 – '90 CHANGE	% CHANGE	1970	1990	'70 – '90 CHANGE	% CHANGE	1970	1990	'70 – '90 CHANGE	% CHANGE
MONTGOMERY COUNTY																	
5 Abington township	15.78	7.8391	7.3371	-0.5019	-6.4%	3.2156	4.6834	1.4678	45.6%	0.7547	0.4846	-0.2701	-35.8%	3.8891	3.0087	-0.8804	-22.6%
10 Ambler borough	0.86	0.4438	0.4217	-0.0221	-5.0%	0.3563	0.3583	0.0020	0.6%	0.0000	0.0000	0.0000	0.0%	0.0641	0.0616	-0.0025	-3.9%
15 Bridgeport borough	0.72	0.2016	0.2179	0.0164	8.1%	0.3172	0.3376	0.0205	6.4%	0.0000	0.0000	0.0000	0.0%	0.1500	0.1209	-0.0291	-19.4%
20 Bryn Athyn borough	1.95	0.2453	0.2501	0.0048	2.0%	0.1750	0.2868	0.1118	63.9%	0.6828	0.5693	-0.1136	-16.6%	0.8313	0.8131	-0.0181	-2.2%
25 Cheltenham township	9.24	5.1125	4.3173	-0.7952	-15.6%	2.3828	2.8466	0.4637	19.5%	0.0578	0.0090	-0.0488	-84.5%	1.6313	1.8382	0.2069	12.7%
30 Collegeville borough	1.63	0.4359	0.6436	0.2076	47.6%	0.2531	0.4498	0.1967	77.7%	0.4141	0.0807	-0.3334	-80.5%	0.4969	0.3989	-0.0979	-19.7%
35 Conshohocken borough	1.04	0.4156	0.5327	0.1171	28.2%	0.4344	0.3898	-0.0445	-10.3%	0.0000	0.0000	0.0000	0.0%	0.1594	0.0556	-0.1038	-65.1%
40 Douglass township	15.55	0.9734	1.7802	0.8068	82.9%	0.6156	1.0551	0.4395	71.4%	10.9781	8.8885	-2.0896	-19.0%	2.8906	3.6771	0.7865	27.2%
45 East Greenville borough	0.50	0.1953	0.2621	0.0668	34.2%	0.1328	0.1133	-0.0195	-14.7%	0.1094	0.0184	-0.0910	-83.2%	0.0656	0.1078	0.0422	64.3%
50 East Norriton township	6.14	2.2438	2.4794	0.2357	10.5%	0.8891	1.5988	0.7097	79.8%	1.0641	0.6604	-0.4037	-37.9%	1.9063	1.3058	-0.6004	-31.5%
55 Franconia township	14.04	1.5359	2.4607	0.9248	60.2%	0.6891	1.7543	1.0652	154.6%	9.9781	7.9349	-2.0432	-20.5%	1.7016	1.6015	-0.1001	-5.9%
60 Green Lane borough	0.35	0.0891	0.0824	-0.0067	-7.5%	0.0641	0.0835	0.0195	30.4%	0.0094	0.0073	-0.0021	-22.6%	0.1797	0.1587	-0.0210	-11.7%
65 Hatboro borough	1.46	0.8125	0.7394	-0.0731	-9.0%	0.4438	0.5692	0.1255	28.3%	0.0000	0.0000	0.0000	0.0%	0.1922	0.1163	-0.0759	-39.5%
70 Hatfield borough	0.64	0.3125	0.3023	-0.0102	-3.3%	0.1547	0.2282	0.0735	47.5%	0.0563	0.0523	-0.0040	-7.0%	0.1047	0.0357	-0.0689	-65.9%
75 Hatfield township	10.22	2.0313	2.7538	0.7226	35.6%	1.0484	2.9622	1.9138	182.5%	5.1969	2.5120	-2.6849	-51.7%	1.8844	1.7818	-0.1026	-5.4%
80 Horsham township	17.63	2.9063	3.4774	0.5711	19.7%	3.2212	5.0848	1.8636	57.9%	6.7781	3.0855	-3.6926	-54.5%	5.4344	5.5764	0.1420	2.6%
85 Jenkintown borough	0.59	0.3469	0.3049	-0.0420	-12.1%	0.2109	0.2549	0.0439	20.8%	0.0000	0.0000	0.0000	0.0%	0.0313	0.0167	-0.0146	-46.7%
90 Landsdale borough	3.01	1.5094	1.3046	-0.2048	-13.6%	1.1906	1.3400	0.1494	12.5%	0.0359	0.0243	-0.0116	-32.4%	0.2688	0.2817	0.0129	4.8%
95 Limerick township	23.15	1.5313	2.1102	0.5789	37.8%	1.5297	2.4092	0.8795	57.5%	13.6781	10.5469	-3.1312	-22.9%	6.0156	7.4231	1.4075	23.4%
100 Lower Frederick township	8.40	0.7391	0.9545	0.2154	29.2%	0.3063	0.4059	0.0997	32.6%	3.2531	2.2711	-0.9820	-30.2%	3.9609	4.3680	0.4070	10.3%
105 Lower Gwynedd township	9.43	2.5078	3.2670	0.7592	30.3%	0.7188	1.8031	1.0844	150.9%	3.0656	0.8780	-2.1876	-71.4%	3.0703	3.3536	0.2833	9.2%
110 Lower Merion township	24.28	13.8328	12.0555	-1.7773	-12.8%	4.7688	7.5773	2.8086	58.9%	0.3422	0.1236	-0.2185	-63.9%	5.0313	3.8850	-1.1463	-22.8%
115 Lower Moreland township	7.41	2.7594	2.8558	0.0964	3.5%	1.2922	1.7000	0.4079	31.6%	0.7703	0.6228	-0.1475	-19.2%	2.5453	2.1194	-0.4259	-16.7%
120 Lower Pottsgrove township	8.19	1.6172	2.0639	0.4468	27.6%	1.0047	1.4492	0.4445	44.2%	2.2891	1.1865	-1.1026	-48.2%	3.0859	3.2066	0.1207	3.9%
125 Lower Providence township	15.78	3.4625	3.8778	0.4153	12.0%	1.4016	2.5398	1.1383	81.2%	4.5016	2.4619	-2.0397	-45.3%	6.0391	6.2478	0.2087	3.5%
130 Lower Salford township	14.78	1.5281	3.2605	1.7323	113.4%	0.6656	1.5282	0.8626	129.6%	10.0156	7.1612	-2.8544	-28.5%	2.3859	2.5471	0.1612	6.8%
135 Marlborough township	12.94	1.1781	1.1380	-0.0402	-3.4%	0.6609	0.8179	0.1569	23.7%	3.2578	2.2524	-1.0055	-30.9%	7.5859	8.1961	0.6102	8.0%
140 Montgomery township	10.81	1.3594	2.7243	1.3649	100.4%	0.9484	2.6377	1.6892	178.1%	5.7063	1.7766	-3.9297	-68.9%	2.7313	3.5088	0.7775	28.5%
145 Narbeth borough	0.54	0.3516	0.3021	-0.0495	-14.1%	0.1500	0.1510	0.0010	0.7%	0.0109	0.0000	-0.0109	-100.0%	0.0297	0.0133	-0.0164	-55.3%
150 New Hanover township	22.04	1.3703	2.1944	0.8241	60.1%	0.6531	0.8962	0.2431	37.2%	12.6188	9.0365	-3.5823	-28.4%	7.2422	9.4747	2.2325	30.8%
155 Norristown borough	3.94	1.6234	1.7404	0.1170	7.2%	1.5641	1.1306	-0.4335	-27.7%	0.0156	0.0717	0.0561	359.1%	0.6453	0.5653	-0.0800	-12.4%
160 North Wales borough	0.59	0.3859	0.3398	-0.0462	-12.0%	0.1625	0.2258	0.0633	38.9%	0.0000	0.0000	0.0000	0.0%	0.0422	0.0123	-0.0299	-70.8%
165 Pennsburg borough	0.82	0.2141	0.2237	0.0096	4.5%	0.2375	0.2492	0.0117	4.9%	0.0813	0.1338	0.0525	64.7%	0.2750	0.1800	-0.0950	-34.5%
170 Perkiomen township	5.06	0.7234	0.8876	0.1642	22.7%	0.2344	0.5242	0.2898	123.6%	2.7281	1.8293	-0.8989	-32.9%	1.2469	1.5966	0.3498	28.1%
175 Plymouth township	8.65	2.3297	2.4483	0.1186	5.1%	2.4969	4.2650	1.7681	70.8%	1.1875	0.4154	-0.7721	-65.0%	2.4969	1.2415	-1.2554	-50.3%

MONTGOMERY COUNTY	TOTAL AREA	RESIDENTIAL				NON-RESIDENTIAL DEVELOPED				AGRICULTURE				RECREATION, VACANT, WOODED			
		1970	1990	'70 - '90 CHANGE	% CHANGE	1970	1990	'70 - '90 CHANGE	% CHANGE	1970	1990	'70 - '90 CHANGE	% CHANGE	1970	1990	'70 - '90 CHANGE	% CHANGE
180 Pottstown borough	5.00	1.6797	1.6201	-0.0596	-3.5%	1.8907	2.1199	0.2292	12.1%	0.1484	0.0187	-0.1297	-87.4%	1.1375	1.0049	-0.1326	-11.7%
185 Red Hill borough	0.69	0.1297	0.2053	0.0756	58.3%	0.1406	0.1839	0.0433	30.8%	0.2906	0.2075	-0.0831	-28.6%	0.1250	0.0764	-0.0486	-38.9%
190 Rockledge borough	0.36	0.2156	0.2107	-0.0050	-2.3%	0.1234	0.1131	-0.0103	-8.4%	0.0000	0.0002	0.0002	0.0%	0.0188	0.0247	0.0059	31.6%
195 Royersford borough	0.84	0.3688	0.4029	0.0341	9.3%	0.2813	0.2625	-0.0188	-6.7%	0.0109	0.0040	-0.0070	-63.9%	0.1359	0.1147	-0.0212	-15.6%
200 Salford township	9.69	0.4703	1.4288	0.9585	203.8%	0.2563	0.8179	0.5617	219.2%	4.1141	2.5041	-1.6100	-39.1%	4.7313	4.7120	-0.0192	-0.4%
205 Schwenksville borough	0.27	0.0891	0.1865	0.0974	109.4%	0.0594	0.0960	0.0366	61.7%	0.0516	0.0210	-0.0306	-59.3%	0.0656	0.0906	0.0250	38.0%
210 Skippack township	14.22	1.2359	1.5491	0.3131	25.3%	0.8750	1.3737	0.4987	57.0%	8.6000	6.3461	-2.2539	-26.2%	3.2859	4.4920	1.2061	36.7%
215 Souderton borough	1.14	0.6359	0.6170	-0.0189	-3.0%	0.3141	0.4126	0.0986	31.4%	0.0750	0.0476	-0.0274	-36.6%	0.1188	0.0362	-0.0826	-69.6%
220 Springfield township	6.99	3.5875	3.0460	-0.5415	-15.1%	1.1703	1.6507	0.4804	41.0%	0.4219	0.3265	-0.0954	-22.6%	1.7672	1.7680	0.0008	0.0%
225 Telford borough	0.50	0.2781	0.2265	-0.0516	-18.6%	0.1203	0.1968	0.0765	63.6%	0.0547	0.0363	-0.0184	-33.6%	0.0516	0.0340	-0.0176	-34.1%
230 Towamencin township	9.89	1.4594	3.4576	1.9982	136.9%	0.6250	2.0340	1.4090	225.4%	5.7844	2.3028	-3.4816	-60.2%	1.9203	1.8902	-0.0301	-1.6%
235 Trappe borough	2.12	0.4016	0.4684	0.0668	16.6%	0.1531	0.3611	0.2079	135.8%	1.3031	0.7717	-0.5314	-40.8%	0.2516	0.4759	0.2243	89.2%
240 Upper Dublin township	13.49	4.2719	5.2231	0.9513	22.3%	1.8797	3.3750	1.4953	79.5%	2.4906	0.3903	-2.1003	-84.3%	4.4859	4.2219	-0.2640	-5.9%
245 Upper Frederick township	10.05	0.5500	0.7837	0.2337	42.5%	0.2188	0.3213	0.1026	46.9%	5.3969	4.3496	-1.0473	-19.4%	3.6609	4.3987	0.7378	20.2%
250 Upper Gwynedd township	8.32	1.6891	2.8364	1.1473	67.9%	1.3641	2.4980	1.1339	83.1%	3.0500	0.9522	-2.0978	-68.8%	2.1656	1.8105	-0.3551	-16.4%
255 Upper Hanover township	21.59	0.9563	1.7267	0.7704	80.6%	0.7875	1.6137	0.8262	104.9%	12.8156	9.4042	-3.4114	-26.6%	5.7625	7.2269	1.4644	25.4%
260 Upper Merion township	17.63	3.8313	4.1416	0.3103	8.1%	4.7406	6.3863	1.6457	34.7%	0.7406	1.5588	0.8182	110.5%	7.8906	4.8496	-3.0411	-38.5%
265 Upper Moreland township	8.08	3.2359	3.3278	0.0919	2.8%	1.5688	2.2511	0.6823	43.5%	0.9094	0.3489	-0.5605	-61.6%	2.3234	2.0310	-0.2925	-12.6%
270 Upper Pottsgrove township	5.06	0.8938	1.0423	0.1485	16.6%	0.2734	0.4968	0.2234	81.7%	2.3922	1.4830	-0.9091	-38.0%	1.4625	1.9292	0.4667	31.9%
275 Upper Providence township	18.49	1.4641	2.1232	0.6591	45.0%	1.0641	2.1978	1.1337	106.5%	11.4844	8.1909	-3.2935	-28.7%	3.9500	5.1280	1.1780	29.8%
280 Upper Salford township	9.23	0.6547	1.3859	0.7312	111.7%	0.2938	0.5431	0.2493	84.9%	5.2203	4.3439	-0.8764	-16.8%	2.9297	2.6401	-0.2896	-9.9%
285 West Conshohocken boro.	0.90	0.1500	0.1145	-0.0355	-23.7%	0.3922	0.4219	0.0297	7.6%	0.0016	0.0000	-0.0016	-100.0%	0.3219	0.3182	-0.0037	-1.1%
290 West Norriton township	6.37	2.3844	2.1749	-0.2095	-8.8%	0.7953	1.6453	0.8500	106.9%	0.9438	0.5048	-0.4389	-46.5%	1.9797	1.5682	-0.4115	-20.8%
295 West Pottsgrove township	2.44	0.5531	0.5304	-0.0227	-4.1%	0.5344	0.8619	0.3276	61.3%	0.4313	0.0968	-0.3345	-77.6%	0.8391	0.8589	0.0198	2.4%
300 Whitmarsh township	14.93	3.0547	3.0845	0.0298	1.0%	2.4359	3.2253	0.7893	32.4%	3.0063	2.0138	-0.9925	-33.0%	6.2094	6.2303	0.0209	0.3%
305 Whitpain township	13.08	2.8156	4.3276	1.5119	53.7%	1.3063	3.3329	2.0266	155.2%	5.6406	2.2165	-3.4241	-60.7%	3.2344	2.9281	-0.3063	-9.5%
310 Worcester township	16.52	2.1266	2.6815	0.5549	26.1%	0.7828	1.9571	1.1743	150.0%	10.3453	8.0368	-2.3085	-22.3%	3.1297	3.5266	0.3969	12.7%
Totals	496.01	104.35	121.03	16.68	16.0%	59.04	95.46	36.4191	61.7%	185.36	121.57	-63.79	-34.4%	140.27	143.28	3.01	2.1%

PHILADELPHIA COUNTY PROFILE

Philadelphia County does not have a separate municipal land use file because the County and the City of Philadelphia are synonymous. Therefore, the Land Use Files for Philadelphia County were run according to the boundaries of the City of Philadelphia's 14 Planning Analysis Sections.

Philadelphia County's population decreased by 363,032 between 1970 - 1990 according to the Census Bureau. Census figures also show that 45,807 residential units were authorized by building permit in the County. During this same time period, the County lost 204,948 jobs according to the BEA figures for total employment.

These changes in the County's demography may be reflected in buildings that are vacant or have changed use. However, these changes would not be reflected in aerial photography.

Eight Planning Analysis Sections had an increase in **Residential Area**. These were:

Change in square miles

1. Lower North Philadelphia	1.0290
2. South Philadelphia	.9497
3. Far Northeast	.6244
4. Kensington	.4150
5. Upper North Philadelphia	.3593
6. Southwest Philadelphia	.2586
7. West Philadelphia	.2228
8. Olney-Oak Lane	.1972

Five Planning Analysis Sections had an increase in **Non-Residential Development**. These were:

Change in square miles

1. Far Northeast Philadelphia	3.6778
2. Southwest Philadelphia	1.0377
3. Germantown/Chestnut Hill	.7954
4. Roxborough/Manyayunk	.4770
5. West Philadelphia	.0187

Four Planning Analysis Sections had slight decreases in **Agricultural** land:

Change in square miles

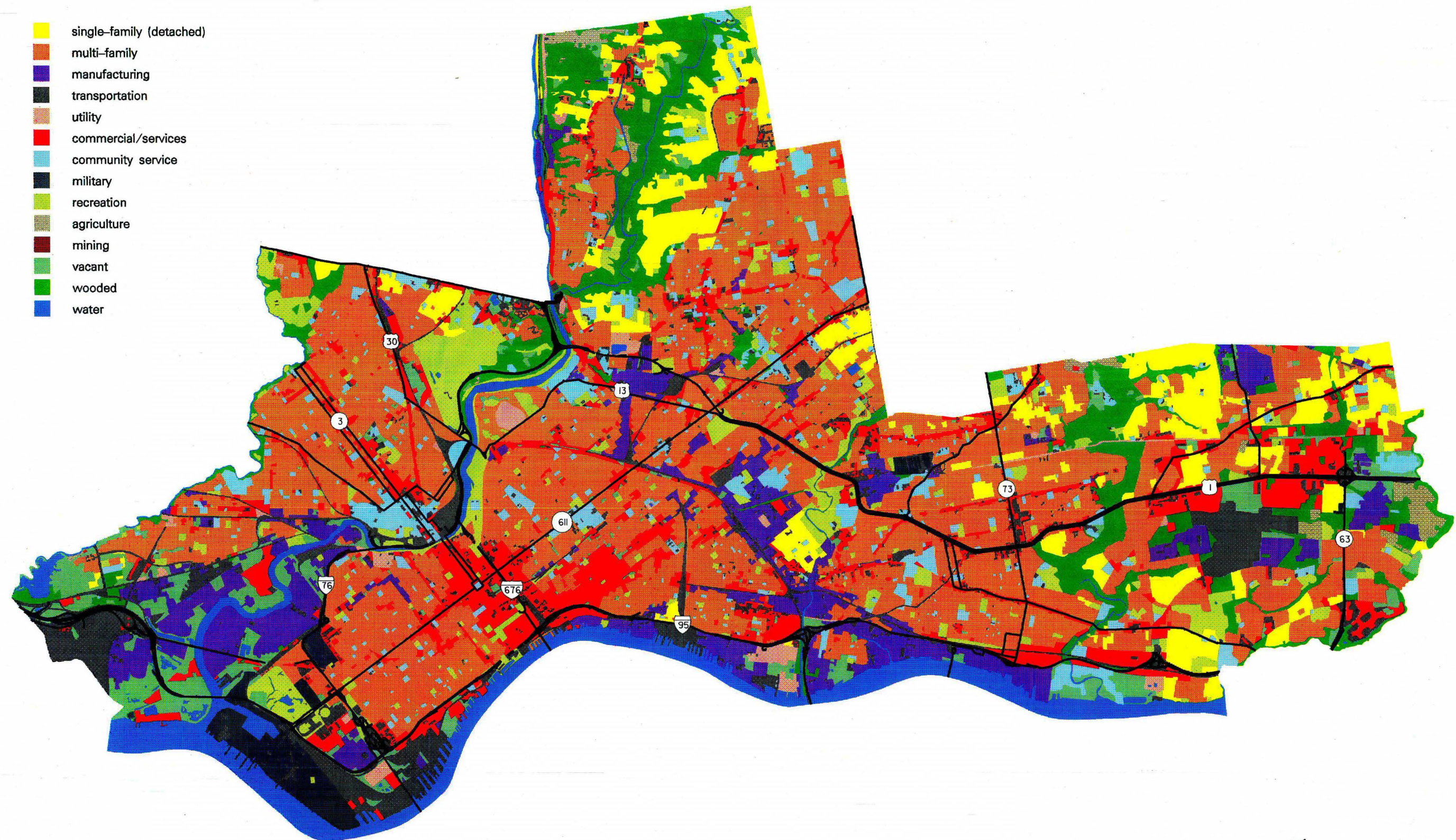
1. Far Northeast	-1.4222
2. Roxborough/Manyayunk	-.0671
3. Olney-Oak Lane	-.0125
4. Southwest Philadelphia	-.0101

The five Philadelphia Planning Analysis Sections with the largest decreases in Recreation, Vacant and Wooded land area were:

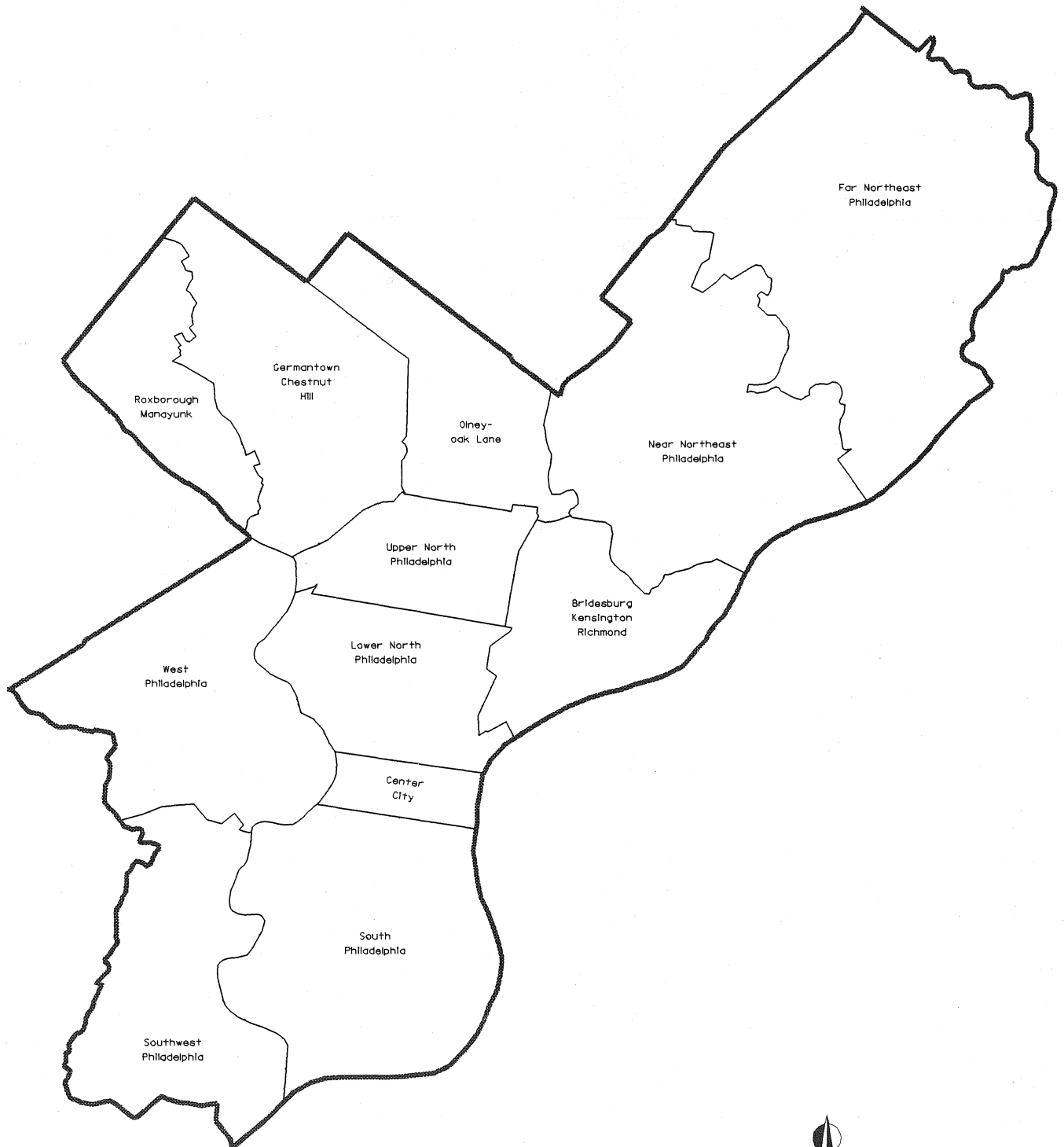
Change in square miles

1. Far Northeast	-3.0134
2. Southwest	-1.6865
3. Germantown/Chestnut Hill	-.9105
4. West Philadelphia	-.8258
5. Lower Northeast	-.5411

Map 13: 1990 LAND USE: PHILADELPHIA COUNTY



Map 14 PHILADELPHIA PLANNING AREAS



PREPARED BY
DELAWARE VALLEY REGIONAL PLANNING COMMISSION

Table 20

1990 PHILADELPHIA COUNTY LAND USE (square miles)

PHILADELPHIA COUNTY	SINGLE FAMILY	MULTI- FAMILY	MANU	TRANS	UTILITY	COMMER	COMMUN SERVICE	MILITARY	RECRE	AGRI	MINING	WOODED	VACANT	WATER	TOTAL
101 901 Center City	0.0000	0.2982	0.0000	0.6602	0.0000	0.8466	0.0349	0.0000	0.1504	0.0000	0.0000	0.0000	0.0133	0.0231	2.2067
101 902 South	0.0000	3.3779	1.4160	4.8054	0.1445	0.8202	0.2145	1.8078	0.5425	0.0000	0.0000	0.0139	0.7805	2.3528	16.2760
101 903 Southwest	0.0368	1.9516	1.1948	4.2033	0.0501	0.5027	0.2288	0.0082	0.1460	0.0101	0.0000	0.3122	2.0100	1.5000	12.1545
101 904 West	0.3452	4.6808	0.0181	4.3351	0.0258	0.9127	0.9189	0.0037	1.6078	0.0076	0.0000	0.8756	0.2330	0.5270	14.4913
101 905 Lower North	0.0000	3.3713	0.0918	2.3310	0.1096	1.3376	0.3614	0.0000	0.4650	0.0000	0.0000	0.0018	0.1327	0.3178	8.5199
101 906 Upper North	0.0035	2.0152	0.8683	1.8244	0.0157	0.4195	0.4209	0.0000	0.2466	0.0000	0.0000	0.0283	0.0652	0.0167	5.9241
101 907 Kensington	0.3508	1.7507	1.4313	2.5784	0.2232	0.5262	0.1254	0.0000	0.1367	0.0000	0.0000	0.0831	0.2180	1.1896	8.6135
101 908 Roxborough/Manayunk	0.6472	1.5222	0.1302	1.7717	0.0794	0.2394	0.0959	0.0000	0.1236	0.1751	0.0000	1.6404	0.1554	0.2646	6.8451
101 909 Germ./Chestnut Hill	1.9759	3.3975	0.1062	3.4591	0.1035	0.5046	0.5985	0.0000	0.5048	0.0266	0.0000	1.9622	0.1178	0.1676	12.9244
101 910 Olney - Oak Lane	0.4114	4.0092	0.1693	2.4657	0.0142	0.4244	0.5475	0.0000	0.4202	0.0000	0.0000	0.1220	0.0180	0.0400	8.6419
101 911 Near Northeast	0.5764	5.2771	1.2129	4.8273	0.0612	1.1686	0.8096	0.1238	0.7519	0.0492	0.0000	0.3978	0.1892	0.7689	16.2139
101 912 Far Northeast	3.6562	4.6261	1.0566	8.2109	0.1135	2.0372	0.7973	0.0154	0.7951	0.4716	0.0000	3.4876	1.1304	0.8202	27.2182
TOTALS	8.00	36.28	7.70	41.47	0.94	9.74	5.15	1.96	5.89	0.74	0.00	8.93	5.06	8.17	140.52

Table 21

1970 PHILADELPHIA COUNTY LAND USE (square miles)

PHILADELPHIA COUNTY	SINGLE FAMILY	MULTI- FAMILY	MANU	TRANS	UTILITY	COMMER	COMMUN SERVICE	MILITARY	RECRE	AGRI	MINING	WOODED	VACANT	WATER	TOTAL
101 901 Center City	0.0016	0.3047	0.1031	0.8875	0.0234	0.4500	0.1531	0.0000	0.1469	0.0000	0.0000	0.0016	0.1094	0.3188	2.5001
101 902 South Philadelphia	0.0125	2.4156	1.9859	4.2469	0.3047	1.0859	0.2105	1.8073	0.3201	0.0000	0.0000	0.0000	0.2607	2.6813	15.3314
101 903 Southwest	0.1031	1.6266	0.5828	2.4031	0.2688	1.1969	0.6902	0.0082	0.3203	0.0000	0.0000	0.2156	3.6188	1.5813	12.6156
101 904 West Philadelphia	0.4641	4.3391	0.2516	3.8516	0.1953	1.2766	0.6166	0.0037	3.2875	0.0000	0.0000	0.0125	0.2422	0.4828	15.0234
101 905 Lower North	0.0219	2.3203	0.3797	2.6000	0.0813	0.8531	0.4109	0.0000	0.8688	0.0000	0.0000	0.0000	0.2719	0.7125	8.5203
101 906 Upper North	0.0188	1.6406	0.8078	1.9906	0.0484	0.9891	0.2250	0.0000	0.4172	0.0000	0.0000	0.0094	0.1031	0.0578	6.3078
101 907 Kensington	0.0641	1.6234	1.2375	2.4703	0.3656	0.7797	0.1547	0.0000	0.1828	0.0000	0.0141	0.0000	0.3719	1.3844	8.6485
101 908 Roxborough/Manayunk	1.0656	1.1516	0.1359	0.8734	0.3672	0.3156	0.1469	0.0000	0.2797	0.2422	0.0000	0.9750	0.6531	0.2313	6.4376
101 909 Germ./Chestnut Hill	2.7297	2.8484	0.1156	2.0281	0.1859	0.9016	0.7453	0.0000	2.9516	0.0266	0.0000	0.3016	0.2422	0.2359	13.3079
101 910 Olney-Oak Lane	0.6203	3.6031	0.1859	2.1953	0.1109	0.9578	0.2938	0.0000	0.7234	0.0125	0.0000	0.0016	0.0797	0.0250	8.8094
101 911 Near Northeast	1.3672	6.4188	0.9859	4.5031	0.0813	2.0375	0.6590	0.1238	0.9797	0.0031	0.0016	0.2310	0.5594	0.7219	18.6453
101 912 Far Northeast	3.9422	3.7156	1.4250	4.3766	0.5547	1.3047	0.8768	0.0154	2.9516	1.8938	0.0000	2.2438	3.2313	0.8906	27.4219
Totals	10.41	32.01	8.20	32.43	2.59	12.28	5.18	1.96	13.43	2.18	0.02	3.96	9.74	9.32	143.70

Table 22

PHILADELPHIA COUNTY CHANGE IN LAND USE 1970 – 1990

GROUPED CATEGORIES (square miles)

	TOTAL AREA	RESIDENTIAL				NON-RESIDENTIAL DEVELOPED				AGRICULTURE				RECREATION, VACANT, WOODED			
		1970	1990	'70 – '90 CHANGE	% CHANGE	1970	1990	'70 – '90 CHANGE	% CHANGE	1970	1990	'70 – '90 CHANGE	% CHANGE	1970	1990	'70 – '90 CHANGE	% CHANGE
PHILADELPHIA COUNTY																	
101 901 Center City	2.207	0.3063	0.2982	-0.0081	-2.64%	1.6172	1.5417	-0.0755	-4.67%	0.0000	0.0000	0.0000	0.00%	0.2578	0.16368	-0.0941	-36.51%
101 902 South Philadelphia	16.28	2.4281	3.3779	0.94975	39.11%	9.6412	9.2084	-0.4329	-4.49%	0.0000	0.0000	0.0000	0.00%	0.58077	1.3369	0.7561	130.19%
101 903 Southwest	12.15	1.7297	1.9883	0.25862	14.95%	5.15	6.1877	1.0377	20.15%	0.0000	0.0101	0.0101	100.00%	4.15469	2.46822	-1.6865	-40.59%
101 904 West	14.49	4.8031	5.026	0.22289	4.64%	6.1953	6.2143	0.0190	0.30%	0.0000	0.0076	0.0076	100.00%	3.5421	2.7163	-0.8258	-23.31%
101 905 Lower North	8.51	2.3422	3.3712	1.02901	43.93%	4.325	4.2312	-0.0938	-2.17%	0.0000	0.0000	0.0000	0.00%	1.14062	0.59948	-0.5411	-47.44%
101 906 Upper North	5.924	1.6594	2.0187	0.35932	21.65%	4.0609	3.5486	-0.5123	-12.62%	0.0000	0.0000	0.0000	0.00%	0.52969	0.34006	-0.1896	-35.80%
101 907 Kensington	8.61	1.6875	2.1016	0.41405	24.54%	5.0219	4.8845	-0.1374	-2.74%	0.0000	0.0000	0.0000	0.00%	0.55468	0.43783	-0.1169	-21.07%
101 908 Roxborough/Manayunk	6.845	2.2172	2.1693	-0.0479	-2.16%	1.839	2.3166	0.4776	25.97%	0.2422	0.1751	-0.0671	-27.70%	1.9078	1.9194	0.0116	0.61%
101 909 Germ./Chesnut Hill	12.92	5.5781	5.373	-0.2051	-3.68%	3.9765	4.7719	0.7954	20.00%	0.0266	0.0266	0.0000	0.00%	3.49531	2.5848	-0.9105	-26.05%
101 910 Olney – Oak Lane	8.64	4.2234	4.4206	0.1972	4.67%	3.7438	3.6211	-0.1227	-3.28%	0.0125	0.0000	-0.0125	-100.00%	0.80468	0.56022	-0.2445	-30.38%
101 911 Near Norhteast	16.21	7.7859	5.8535	-1.9324	-24.82%	8.3921	8.2033	-0.1888	-2.25%	0.0031	0.0492	0.0461	1487.10%	1.74219	1.3388	-0.4034	-23.15%
101 912 Far Northeast	27.21	7.6578	8.2823	0.62449	8.15%	8.5531	12.2309	3.6778	43.00%	1.8938	0.4716	-1.4222	-75.10%	8.42656	5.41311	-3.0134	-35.76%
Totals	140.03	42.42	44.28	1.85969	4.38%	61.74	66.96	5.22	8.45%	2.18	0.74	-1.43813	-66.03%	27.14	19.88	-7.257	-26.74%

BURLINGTON COUNTY PROFILE

According to the Census Bureau, Burlington County's population increased 71,934 between 1970 - 1990, and 55,327 residential units were authorized by building permit. During the same time period the BEA figures show an 67,724 increase, a 49 percent increase in total employment. These changes are evident as land development continued southward in the County.

The ten Burlington County municipalities with the largest increase in **Residential** land use area were:

<u>Change in square miles</u>		
1.	Medford township	3.5993
2.	Evesham township	3.0577
3.	Tabernacle township	2.4671
4.	Mount Laurel township	2.0318
5.	Pemberton township	1.9285
6.	Shamong township	1.6228
7.	Southampton township	0.8359
8.	North Hanover township	0.7647
9.	Westampton township	0.6670
10.	Lumberton township	0.6255

The ten Burlington County municipalities with the largest increase in **Non-Residential Developed** area were:

<u>Change in square miles</u>		
1.	Mount Laurel township	2.5953
2.	Medford township	2.1120
3.	Evesham township	1.9266
4.	Burlington township	1.4641
5.	Moorestown township	1.3606
6.	Cinnaminson township	1.0440
7.	Southampton township	0.9912
8.	Delran township	0.8177
9.	Westampton township	0.7934
10.	Tabernacle township	0.7140

The ten Burlington County municipalities with the largest decreases in **Agricultural** land area were:

<u>Change in square miles</u>		
1.	Mount Laurel township	-5.2903
2.	Evesham township	-4.9950
3.	Tabernacle township	-3.1152
4.	Burlington township	-2.8841
5.	Medford township	-2.4977
6.	Shamong township	-2.2520
7.	Springfield township	-2.1551
8.	Mansfield township	-2.1524
9.	Southampton township	-2.1107
10.	Washington township	-1.9838

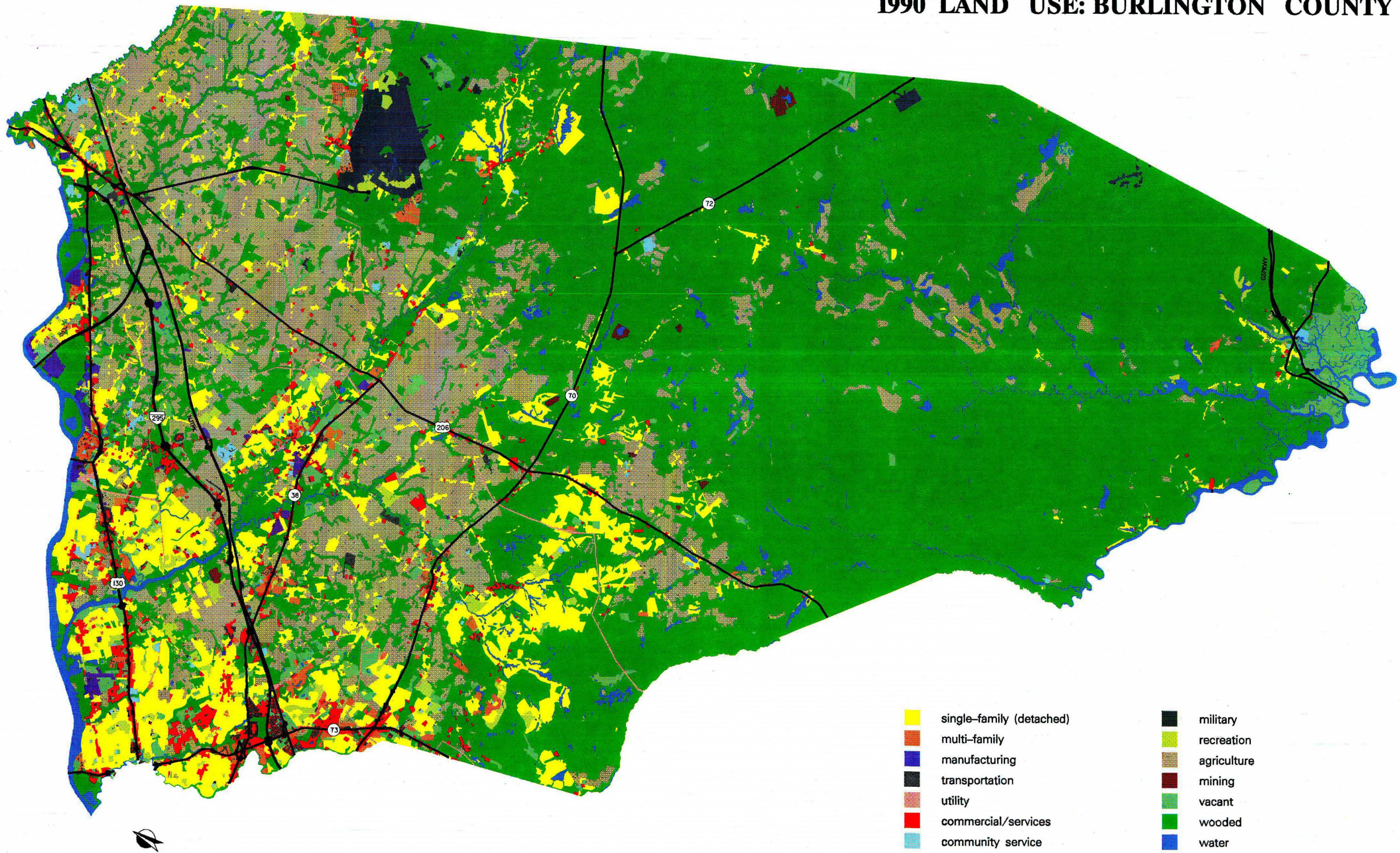
The ten Burlington County municipalities with the largest decreases in **Recreation, Vacant and Wooded** land area were:

<u>Change in square miles</u>		
1.	Medford township	-3.5413
2.	Tabernacle township	-2.6916
3.	Cinnaminson township	-0.9703
4.	Woodland township	-0.5887
5.	Maple Shade township	-0.5479
6.	Southampton township	-0.4142
7.	Shamong township	-0.4022
8.	Chesterfield township	-0.3142
9.	Evesham township	-0.2974
10.	Willingboro township	-0.1173

Certain municipalities in Burlington County had large increases in the **Recreation, Vacant and Wooded** category. These increases are related to the change in category definitions and method of classifications. Specifically, these municipalities are in the Fort Dix area and are related to portions of the Military base that were classified differently in 1990. These municipalities were:

<u>Change in square miles</u>		
1.	New Hanover township	13.1219
2.	Bass River township	5.9357
3.	Pemberton township	5.4527

Map 15:
1990 LAND USE: BURLINGTON COUNTY



BURLINGTON COUNTY MUNICIPALITIES



Table 23

1990 BURLINGTON COUNTY LAND USE

BURLINGTON COUNTY	SINGLE FAMILY	MULTI- FAMILY	MANU	TRANS	UTILITY	COMMER	COMMUN SERVICE	MILITARY	RECRE	AGRI	MINING	WOODED	VACANT	WATER	TOTAL
5 Bass River township	0.6729	0.1148	0.0000	0.3624	0.0262	0.0605	0.1311	0.2115	0.4234	1.5346	0.0000	64.9613	6.4776	3.4826	78.46
10 Beverly city	0.3557	0.0000	0.0000	0.1186	0.0000	0.0326	0.0000	0.0000	0.0023	0.0000	0.0000	0.0409	0.0000	0.2163	0.77
15 Bordentown city	0.2963	0.0093	0.0631	0.1303	0.0000	0.0679	0.0411	0.0000	0.0460	0.0000	0.0000	0.2628	0.0132	0.0334	0.96
20 Bordentown township	0.7915	0.2363	0.1055	0.8539	0.1413	0.4696	0.2043	0.0000	0.1029	1.2256	0.0261	3.2562	0.4741	0.4003	8.29
25 Burlington city	0.4180	0.5324	0.3121	0.2912	0.0144	0.2265	0.0408	0.0000	0.1039	0.0415	0.0000	0.8232	0.2370	0.6879	3.73
30 Burlington township	1.5617	0.1696	0.8051	1.0501	0.2766	0.5982	0.2153	0.0000	0.0700	3.0300	0.0000	4.9873	0.7914	0.4795	14.03
35 Chesterfield township	0.9904	0.0000	0.0000	0.4185	0.1020	0.0565	0.2309	0.0000	0.0947	13.4086	0.0000	5.6644	0.3424	0.1135	21.42
40 Cinnaminson township	2.7888	0.0760	0.3794	1.1220	0.0258	0.6757	0.1505	0.0000	0.3475	0.3430	0.0032	0.8797	0.7072	0.5351	8.03
45 Delanco township	0.4971	0.0000	0.0154	0.1657	0.0000	0.2744	0.0000	0.0000	0.0637	0.6290	0.0000	0.7103	0.0336	0.9764	3.37
50 Delran township	1.6490	0.2011	0.0270	0.6582	0.0370	0.6568	0.0731	0.0000	0.3651	0.7359	0.0000	1.6533	0.6200	0.6111	7.29
55 Eastampton township	0.7008	0.1213	0.0000	0.2448	0.1719	0.1969	0.0118	0.0000	0.0868	1.6908	0.0000	2.0650	0.4805	0.0854	5.86
60 Edgewater Park township	0.9267	0.1986	0.0000	0.3454	0.0014	0.3463	0.1839	0.0000	0.0613	0.3812	0.0000	0.2723	0.1980	0.1387	3.05
65 Evesham township	4.3284	1.0653	0.0000	1.7357	0.2840	1.1612	0.0442	0.0000	0.8255	3.7550	0.0000	14.4642	1.6098	0.4499	29.72
70 Fieldsboro borough	0.0916	0.0000	0.0002	0.0305	0.0234	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1633	0.0000	0.0025	0.31
75 Florence township	1.2593	0.1994	0.3401	0.7629	0.0346	0.4594	0.0122	0.0000	0.0673	3.0532	0.0000	2.8041	0.6450	0.4333	10.07
80 Hainesport township	0.8172	0.0033	0.2815	0.3141	0.0000	0.3032	0.0506	0.0000	0.0165	1.6583	0.0000	2.9888	0.1971	0.1923	6.82
90 Lumberton township	1.1021	0.2328	0.0788	0.6940	0.0000	0.3743	0.0000	0.0000	0.2688	6.5130	0.0000	2.7405	0.8821	0.1467	13.03
95 Mansfield township	1.0092	0.0000	0.0942	0.9528	0.1887	0.1498	0.0578	0.0000	0.0902	12.8523	0.0222	6.2258	0.8723	0.5519	23.07
100 Maple Shade township	1.4512	0.4069	0.0000	0.6157	0.0177	0.7163	0.0199	0.0000	0.0691	0.0201	0.0000	0.4618	0.0555	0.0123	3.85
105 Medford township	6.0809	0.3622	0.0222	2.2799	0.2479	0.6738	0.1304	0.0000	0.6041	7.1382	0.0000	20.5171	0.7250	1.1425	39.92
110 Medford Lakes borough	0.7025	0.0000	0.0000	0.2348	0.0059	0.0168	0.0056	0.0000	0.1344	0.0000	0.0000	0.0550	0.0000	0.1303	1.29
115 Moorestown township	3.7794	0.1397	0.0302	1.6248	0.0129	1.2280	0.0493	0.0000	0.6207	3.6117	0.1420	2.9502	0.5295	0.2070	14.93
120 Mount Holly township	0.8673	0.2703	0.0147	0.3850	0.0178	0.2337	0.1021	0.0000	0.1337	0.0745	0.0000	0.4549	0.2619	0.0838	2.90
125 Mount Laurel township	3.5877	1.1535	0.0000	2.8444	0.0426	1.2701	0.0804	0.0000	0.5578	4.5238	0.0000	5.8747	1.7454	0.2538	21.93
130 New Hanover township	0.2430	0.1300	0.0000	0.4479	0.0043	0.0966	0.0002	6.2242	0.9247	1.4223	0.0201	12.0079	0.7581	0.2613	22.54
135 North Hanover township	0.9001	0.4693	0.0000	0.3475	0.1649	0.2133	0.0937	0.0000	0.2857	9.2420	0.0255	5.1283	0.4301	0.1233	17.42
140 Palmyra borough	0.6023	0.0804	0.0000	0.2455	0.0073	0.2088	0.0145	0.0000	0.0448	0.0000	0.0000	0.5423	0.1102	0.5250	2.38
145 Pemberton borough	0.1096	0.0091	0.0000	0.0365	0.0000	0.0716	0.0443	0.0000	0.0055	0.0588	0.0000	0.2538	0.0000	0.0220	0.61
150 Pemberton township	4.2507	0.5841	0.0000	1.4873	0.1134	0.4566	0.3761	0.0059	0.2712	12.6505	0.0000	40.3604	1.0148	1.2902	62.86
155 Riverside township	0.6662	0.0281	0.0212	0.2221	0.0141	0.1891	0.0141	0.0000	0.0625	0.0000	0.0000	0.0888	0.1970	0.1469	1.65

BURLINGTON COUNTY	SINGLE FAMILY	MULTI- FAMILY	MANU	TRANS	UTILITY	COMMER	COMMUN SERVICE	MILITARY	RECRE	AGRI	MINING	WOODED	VACANT	WATER	TOTAL
160 Riverton borough	0.4091	0.0045	0.0000	0.1364	0.0000	0.0323	0.0116	0.0000	0.0413	0.0000	0.0000	0.0328	0.0000	0.2871	0.96
165 Shamong township	2.0771	0.0878	0.0000	0.7028	0.0455	0.0896	0.0257	0.0000	0.0981	5.1214	0.0000	35.7762	0.3376	0.8760	45.24
170 Southampton township	2.5820	0.1304	0.1113	0.9242	0.2160	0.5324	0.0123	0.0000	0.0356	16.7877	0.0841	21.0746	0.6834	0.6247	43.80
175 Springfield township	1.1306	0.0023	0.0148	0.6674	0.2255	0.2093	0.0057	0.0718	0.2152	18.9886	0.0373	7.0005	0.9882	0.0512	29.61
180 Tabernacle township	3.0403	0.0394	0.0000	1.0159	0.0640	0.1935	0.0392	0.0000	0.0869	6.1067	0.0983	37.9231	0.2937	0.7176	49.62
185 Washington township	0.5376	0.0000	0.0000	0.1816	0.0033	0.0760	0.0272	0.0000	0.0147	3.6663	0.0000	94.7523	0.5534	4.1467	103.96
190 Westampton township	1.0624	0.1453	0.0839	0.8705	0.0193	0.2481	0.2357	0.0000	0.2408	4.9101	0.0000	3.2203	0.0000	0.0863	11.12
192 Willingboro township	3.5565	0.1346	0.0000	1.4188	0.1131	0.4535	0.0890	0.0000	0.6124	0.0420	0.0000	0.7610	0.5499	0.4155	8.15
195 Woodland township	0.6777	0.0000	0.0000	0.2259	0.0297	0.0639	0.1588	0.3846	0.0000	4.4516	0.6641	86.5550	0.8329	1.5564	95.60
200 Wrightstown borough	0.0592	0.0968	0.0000	0.0527	0.0123	0.0711	0.0384	0.4243	0.0244	0.1606	0.0000	0.8057	0.0717	0.0000	1.82
TOTALS	58.63	7.43	2.8	27.22	2.7	13.45	3.02	7.32	8.12	149.83	1.12	491.56	24.72	22.5	820.43

Table 24

1970 BURLINGTON COUNTY LAND USE (square miles)

BURLINGTON COUNTY	SINGLE FAMILY	MULTI- FAMILY	MANU	TRANS	UTILITY	COMMER	COMMUN SERVICE	MILITARY	RECRE	AGRI	MINING	WOODED	VACANT	WATER	TOTAL
5 Bass River township	0.3125	0.0078	0.1203	0.7375	0.3953	0.0922	5.4783	0.2155	0.3250	2.5016	0.2219	56.2219	9.3797	3.1609	79.17
10 Beverly city	0.2469	0.0219	0.0125	0.1219	0.0078	0.0219	0.0156	0.0000	0.0125	0.0125	0.0000	0.0078	0.0891	0.2141	0.79
15 Bordentown city	0.2203	0.0750	0.0094	0.0891	0.0063	0.0484	0.2156	0.0000	0.0719	0.0016	0.0000	0.0688	0.1391	0.0328	0.98
20 Bordentown township	0.9203	0.1188	0.1375	0.4016	0.0234	0.2500	0.3406	0.0000	0.1516	2.3734	0.1250	1.1906	2.2953	0.3016	8.63
25 Burlington city	0.6438	0.2000	0.1328	0.3578	0.4375	0.2125	0.2188	0.0000	0.1141	0.1016	0.0484	0.1953	0.3281	0.8141	3.80
30 Burlington township	1.5828	0.1391	0.3781	0.4703	0.0578	0.3313	0.0906	0.0000	0.1000	5.9141	0.1531	2.5375	1.8688	0.5875	14.21
35 Chesterfield township	0.7063	0.0016	0.0391	0.3328	0.0234	0.0500	0.2188	0.0000	0.3234	13.7234	0.0828	4.3391	1.7531	0.1797	21.77
40 Cinnaminson township	2.6125	0.0109	0.1938	0.5578	0.0422	0.3078	0.0891	0.0000	0.4500	0.7500	0.1219	0.9266	1.5281	0.5203	8.11
45 Delanco township	0.3844	0.0125	0.1750	0.1672	0.1672	0.0438	0.0219	0.0000	0.1125	0.7938	0.1141	0.1781	0.4234	0.8297	3.42
50 Delran township	1.4063	0.1500	0.0266	0.3844	0.0141	0.1719	0.0375	0.0000	0.4000	1.7688	0.0000	0.7609	1.5672	0.6828	7.37
55 Eastampton township	0.3718	0.0234	0.0078	0.1218	0.0171	0.0859	0.0109	0.0000	0.0046	3.2450	0.0093	1.7680	0.3843	0.4422	30.02
60 Edgewater Park township	0.8484	0.0859	0.0484	0.2484	0.0016	0.1891	0.0328	0.0000	0.1078	0.8953	0.0000	0.1000	0.3844	0.1422	3.08
65 Evesham township	2.2453	0.0906	0.0922	0.7969	0.1406	0.1563	0.1109	0.0000	0.6953	8.7500	0.0016	13.9313	2.5703	0.4422	30.02
70 Fieldsboro borough	0.0906	0.0047	0.0172	0.0156	0.0000	0.0016	0.0063	0.0000	0.0047	0.0000	0.0000	0.0688	0.0719	0.0000	0.28
75 Florence township	0.7547	0.1203	0.3625	0.4203	0.0391	0.1750	0.0359	0.0000	0.0672	4.8000	0.0047	1.6734	1.1922	0.4938	10.14
80 Hainesport township	0.7594	0.0109	0.1516	0.1750	0.0000	0.1156	0.0500	0.0000	0.0188	2.0625	0.0953	2.1656	1.0156	0.2422	6.86
90 Lumberton township	0.6844	0.0250	0.0641	0.4500	0.0000	0.1609	0.0781	0.0000	0.1859	8.3016	0.0328	2.0266	0.9219	0.1813	13.11
95 Mansfield township	0.6203	0.0094	0.0063	0.8938	0.0188	0.0859	0.0328	0.0000	0.0422	15.0047	0.0016	3.4031	2.5391	0.6141	23.27
100 Maple Shade township	1.6797	0.1969	0.0563	0.4609	0.0328	0.2188	0.0313	0.0000	0.2844	0.0453	0.0000	0.4078	0.4422	0.0281	3.88
105 Medford township	2.8281	0.0156	0.0750	0.7375	0.0266	0.1594	0.1094	0.0000	1.0016	9.6359	0.1344	18.4453	5.9406	1.0672	40.18
110 Medford Lakes borough	0.7141	0.0000	0.0000	0.1406	0.0078	0.0063	0.0250	0.0000	0.1359	0.0000	0.0000	0.0906	0.0031	0.1297	1.25
115 Moorestown township	3.2797	0.0766	0.1516	0.9188	0.1219	0.2578	0.1750	0.0000	0.4969	5.5922	0.1016	1.7953	1.8531	0.3672	15.19
120 Mount Holly township	0.8469	0.1984	0.0578	0.3594	0.0703	0.1250	0.0844	0.0000	0.1391	0.1313	0.1531	0.4500	0.2219	0.0891	2.92
125 Mount Laurel township	2.6906	0.0188	0.1141	1.1594	0.0250	0.2063	0.0906	0.0000	0.3547	9.8141	0.0469	4.7031	2.6188	0.2484	22.09
130 New Hanover township	0.0719	0.0000	0.0000	0.0703	0.0047	0.0219	14.1992	6.2242	0.0000	1.3922	0.0000	0.4844	0.0844	0.0219	22.58
135 North Hanover township	0.4844	0.1203	0.0297	0.3688	0.0484	0.0984	0.7078	0.0000	0.2250	10.2234	0.1094	4.2219	0.7266	0.1719	17.53
140 Palmyra borough	0.6266	0.0219	0.0297	0.2359	0.2281	0.0500	0.0266	0.0000	0.1203	0.0000	0.0000	0.1047	0.3672	0.6141	2.43
145 Pemberton borough	0.1531	0.0219	0.0047	0.0313	0.0016	0.0375	0.0156	0.0000	0.0063	0.0844	0.0000	0.1688	0.0938	0.0063	0.63
150 Pemberton township	2.7438	0.1625	0.0625	1.1953	0.0844	0.3375	7.3597	0.0059	0.2109	13.7313	0.2828	31.2406	4.7422	1.1766	63.33
155 Riverside township	0.5859	0.0609	0.0953	0.2344	0.0156	0.0906	0.0234	0.0000	0.0563	0.0125	0.0000	0.0703	0.3109	0.1297	1.69
160 Riverton borough	0.3922	0.0281	0.0109	0.1203	0.0031	0.0172	0.0141	0.0000	0.0188	0.0000	0.0000	0.0203	0.0328	0.3016	0.96

BURLINGTON COUNTY	SINGLE FAMILY	MULTI- FAMILY	MANU	TRANS	UTILITY	COMMER	COMMUN SERVICE	MILITARY	RECRE	AGRI	MINING	WOODED	VACANT	WATER	TOTAL
165 Shamong township	0.4781	0.0641	0.0000	0.3609	0.0156	0.0453	0.0125	0.0000	0.0000	7.3734	0.0922	31.4719	5.1422	0.5359	45.59
170 Southampton township	1.6938	0.1828	0.0281	0.6375	0.0125	0.1125	0.0313	0.0000	0.0359	18.8984	0.0672	18.8016	3.3703	0.4266	44.30
175 Springfield township	0.6344	0.0031	0.0906	0.5500	0.0484	0.2734	0.4470	0.0718	0.0094	21.1438	0.0438	4.0781	2.4359	0.1109	29.94
180 Tabernacle township	0.6125	0.0000	0.0031	0.3625	0.0469	0.1234	0.0094	0.0000	0.6859	9.2219	0.1516	38.6313	1.6781	0.1078	51.63
185 Washington township	0.3109	0.0422	0.1094	0.3891	0.2047	0.1172	0.1031	0.0000	0.1297	5.6500	0.2172	84.7859	8.6641	3.9016	104.62
190 Westampton township	0.5359	0.0047	0.0422	0.3813	0.0031	0.0953	0.0891	0.0000	0.2547	6.3281	0.0531	2.6484	0.6625	0.1016	11.20
192 Willingboro township	4.3672	0.0797	0.0234	0.9734	0.0406	0.1719	0.1719	0.0000	0.9281	0.1688	0.0000	0.3625	0.7500	0.3484	8.38
195 Woodland township	0.4844	0.0219	0.0250	0.7953	0.0813	0.0625	0.6904	0.3846	0.2500	3.9484	0.2844	84.9766	2.7500	1.8203	96.58
200 Wrightstown borough	0.0328	0.0172	0.0000	0.1141	0.0000	0.0328	0.9476	0.4243	0.0016	0.1203	0.0000	0.0953	0.1063	0.0031	1.90
Totals	41.66	2.45	2.98	17.34	2.52	5.16	32.78	7.33	8.53	194.52	2.77	419.62	71.47	21.23	830.01

Table 25

BURLINGTON COUNTY CHANGE IN LAND USE 1970 – 1990 **GROUPED CATEGORIES (square miles)**

BURLINGTON COUNTY	TOTAL AREA	RESIDENTIAL				NON-RESIDENTIAL DEVELOPED				AGRICULTURE				RECREATION, VACANT, WOODED			
		1970	1990	'70 – '90 CHANGE	% CHANGE	1970	1990	'70 – '90 CHANGE	% CHANGE	1970	1990	'70 – '90 CHANGE	% CHANGE	1970	1990	'70 – '90 CHANGE	% CHANGE
5 Bass River township	79.17	0.3203	0.7877	0.4674	145.9%	7.2610	0.7918	-6.4692	-89.1%	2.5016	1.5346	-0.9670	-38.7%	65.9266	71.8623	5.9357	9.0%
10 Beverly city	0.79	0.2688	0.3557	0.0869	32.3%	0.1797	0.1512	-0.0285	-15.9%	0.0125	0.0000	-0.0125	-100.0%	0.1094	0.0433	-0.0661	-60.5%
15 Bordentown city	0.98	0.2953	0.3055	0.0102	3.5%	0.3688	0.3024	-0.0663	-18.0%	0.0016	0.0000	-0.0016	-100.0%	0.2797	0.3220	0.0423	15.1%
20 Bordentown township	8.63	1.0391	1.0278	-0.0113	-1.1%	1.2781	1.8007	0.5226	40.9%	2.3734	1.2256	-1.1478	-48.4%	3.6375	3.8332	0.1957	5.4%
25 Burlington city	3.80	0.8438	0.9503	0.1066	12.6%	1.4078	0.8850	-0.5228	-37.1%	0.1016	0.0415	-0.0601	-59.1%	0.6375	1.1640	0.5265	82.6%
30 Burlington township	14.21	1.7219	1.7313	0.0094	0.5%	1.4813	2.9453	1.4641	98.8%	5.9141	3.0300	-2.8841	-48.8%	4.5063	5.8487	1.3425	29.8%
35 Chesterfield township	21.77	0.7078	0.9904	0.2825	39.9%	0.7469	0.8078	0.0609	8.2%	13.7234	13.4086	-0.3148	-2.3%	6.4156	6.1015	-0.3142	-4.9%
40 Cinnaminson township	8.11	2.6234	2.8647	0.2413	9.2%	1.3125	2.3565	1.0440	79.5%	0.7500	0.3430	-0.4070	-54.3%	2.9047	1.9344	-0.9703	-33.4%
45 Delanco township	3.42	0.3969	0.4971	0.1003	25.3%	0.6891	0.4556	-0.2335	-33.9%	0.7938	0.6290	-0.1647	-20.8%	0.7141	0.8076	0.0935	13.1%
50 Delran township	7.37	1.5563	1.8502	0.2939	18.9%	0.6344	1.4521	0.8177	128.9%	1.7688	0.7359	-1.0328	-58.4%	2.7281	2.6384	-0.0897	-3.3%
55 Eastampton township	30.02	0.3952	0.8220	0.4268	108.0%	0.2528	0.6254	0.3726	147.4%	3.2450	1.6908	-1.5542	-47.9%	2.1569	2.6324	0.4755	22.0%
60 Edgewater Park township	3.08	0.9344	1.1253	0.1909	20.4%	0.5203	0.8769	0.3566	68.5%	0.8953	0.3812	-0.5142	-57.4%	0.5922	0.5316	-0.0606	-10.2%
65 Evesham township	30.02	2.3359	5.3937	3.0577	130.9%	1.2984	3.2251	1.9266	148.4%	8.7500	3.7550	-4.9950	-57.1%	17.1969	16.8994	-0.2974	-1.7%
70 Fieldsboro borough	0.28	0.0953	0.0916	-0.0037	-3.9%	0.0406	0.0541	0.0135	33.1%	0.0000	0.0000	0.0000	0.0%	0.1453	0.1633	0.0180	12.4%
75 Florence township	10.14	0.8750	1.4587	0.5837	66.7%	1.0375	1.6091	0.5716	55.1%	4.8000	3.0532	-1.7469	-36.4%	2.9328	3.5164	0.5836	19.9%
80 Hainesport township	6.86	0.7703	0.8205	0.0502	6.5%	0.5875	0.9494	0.3619	61.6%	2.0625	1.6583	-0.4042	-19.6%	3.2000	3.2024	0.0024	0.1%
90 Lumberton township	13.11	0.7094	1.3348	0.6255	88.2%	0.7859	1.1471	0.3611	45.9%	8.3016	6.5130	-1.7886	-21.5%	3.1344	3.8914	0.7571	24.2%
95 Mansfield township	23.27	0.6297	1.0092	0.3795	60.3%	1.0391	1.4655	0.4264	41.0%	15.0047	12.8523	-2.1524	-14.3%	5.9844	7.1883	1.2039	20.1%
100 Maple Shade township	3.88	1.8766	1.8580	-0.0185	-1.0%	0.8000	1.3696	0.5696	71.2%	0.0453	0.0201	-0.0252	-55.7%	1.1344	0.5864	-0.5479	-48.3%
105 Medford township	40.18	2.8438	6.4430	3.5993	126.6%	1.2422	3.3542	2.1120	170.0%	9.6359	7.1382	-2.4977	-25.9%	25.3875	21.8462	-3.5413	-13.9%
110 Medford Lakes borough	1.25	0.7141	0.7025	-0.0116	-1.6%	0.1797	0.2631	0.0834	46.4%	0.0000	0.0000	0.0000	0.0%	0.2297	0.1894	-0.0402	-17.5%
115 Moorestown township	15.19	3.3563	3.9191	0.5628	16.8%	1.7266	3.0872	1.3606	78.8%	5.5922	3.6117	-1.9805	-35.4%	4.1453	4.1005	-0.0449	-1.1%
120 Mount Holly township	2.92	1.0453	1.1376	0.0923	8.8%	0.8500	0.7532	-0.0968	-11.4%	0.1313	0.0745	-0.0567	-43.2%	0.8109	0.8505	0.0396	4.9%
125 Mount Laurel township	22.09	2.7094	4.7411	2.0318	75.0%	1.6422	4.2375	2.5953	158.0%	9.8141	4.5238	-5.2903	-53.9%	7.6766	8.1779	0.5014	6.5%
130 New Hanover township	22.58	0.0719	0.3730	0.3011	418.9%	20.5203	6.7933	-13.7270	-66.9%	1.3922	1.4223	0.0301	2.2%	0.5688	13.6907	13.1219	2307.2%
135 North Hanover township	17.53	0.6047	1.3694	0.7647	126.5%	1.3625	0.8449	-0.5176	-38.0%	10.2234	9.2420	-0.9814	-9.6%	5.1734	5.8441	0.6707	13.0%
140 Palmyra borough	2.43	0.6484	0.6827	0.0343	5.3%	0.5703	0.4760	-0.0943	-16.5%	0.0000	0.0000	0.0000	0.0%	0.5922	0.6974	0.1052	17.8%
145 Pemberton borough	0.63	0.1750	0.1188	-0.0562	-32.1%	0.0906	0.1525	0.0619	68.3%	0.0844	0.0588	-0.0255	-30.3%	0.2688	0.2593	-0.0094	-3.5%
150 Pemberton township	63.33	2.9063	4.8347	1.9285	66.4%	9.3281	2.4393	-6.8888	-73.9%	13.7313	12.6505	-1.0807	-7.9%	36.1938	41.6465	5.4527	15.1%
155 Riverside township	1.69	0.6469	0.6942	0.0474	7.3%	0.4594	0.4606	0.0012	0.3%	0.0125	0.0000	-0.0125	-100.0%	0.4375	0.3482	-0.0893	-20.4%

BURLINGTON COUNTY	TOTAL AREA	RESIDENTIAL				NON- RESIDENTIAL DEVELOPED				AGRICULTURE				RECREATION, VACANT, WOODED			
		1970	1990	'70 - '90 CHANGE	% CHANGE	1970	1990	'70 - '90 CHANGE	% CHANGE	1970	1990	'70 - '90 CHANGE	% CHANGE	1970	1990	'70 - '90 CHANGE	% CHANGE
160 Riverton borough	0.96	0.4203	0.4136	-0.0067	-1.6%	0.1656	0.1802	0.0146	8.8%	0.0000	0.0000	0.0000	0.0%	0.0719	0.0741	0.0022	3.1%
165 Shamong township	45.59	0.5422	2.1649	1.6228	299.3%	0.5266	0.8635	0.3369	64.0%	7.3734	5.1214	-2.2520	-30.5%	36.6141	36.2119	-0.4022	-1.1%
170 Southampton township	44.30	1.8766	2.7124	0.8359	44.5%	0.8891	1.8803	0.9912	111.5%	18.8984	16.7877	-2.1107	-11.2%	22.2078	21.7936	-0.4142	-1.9%
175 Springfield township	29.94	0.6375	1.1328	0.4953	77.7%	1.5251	1.2318	-0.2933	-19.2%	21.1438	18.9886	-2.1551	-10.2%	6.5234	8.2040	1.6805	25.8%
180 Tabernacle township	51.63	0.6125	3.0796	2.4671	402.8%	0.6969	1.4109	0.7140	102.5%	9.2219	6.1067	-3.1152	-33.8%	40.9953	38.3037	-2.6916	-6.6%
185 Washington township	104.62	0.3531	0.5376	0.1845	52.2%	1.1406	0.2882	-0.8525	-74.7%	5.6500	3.6663	-1.9838	-35.1%	93.5797	95.3204	1.7408	1.9%
190 Westampton township	11.20	0.5406	1.2077	0.6670	123.4%	0.6641	1.4574	0.7934	119.5%	6.3281	4.9101	-1.4180	-22.4%	3.5656	3.4612	-0.1045	-2.9%
192 Willingboro township	8.38	4.4469	3.6911	-0.7558	-17.0%	1.3813	2.0744	0.6932	50.2%	0.1688	0.0420	-0.1267	-75.1%	2.0406	1.9233	-0.1173	-5.7%
195 Woodland township	96.58	0.5063	0.6777	0.1715	33.9%	2.3234	1.5271	-0.7964	-34.3%	3.9484	4.4516	0.5031	12.7%	87.9766	87.3879	-0.5887	-0.7%
200 Wrightstown borough	1.90	0.0500	0.1560	0.1060	212.0%	1.5188	0.5989	-0.9198	-60.6%	0.1203	0.1606	0.0402	33.5%	0.2031	0.9019	0.6988	344.0%
Totals	830.01	44.10	66.06	21.96	49.8%	70.87	57.63	-13.24	-18.7%	194.52	149.83	-44.69	-23.0%	499.62	524.40	24.78	5.0%

CAMDEN COUNTY PROFILE

Camden County also continued to grow and develop during the twenty-year period between 1970 - 1990. According to the Census, population increased 71,934, to 502,824 in 1990 and 53,247 residential units were authorized by building permit. BEA figures for Total employment rose 78,126, to 249,758 in 1990.

The ten municipalities with the largest increase in **Residential** area were:

<u>Change in square miles</u>		
1.	Winslow township	3.8236
2.	Gloucester township	2.9005
3.	Voorhees township	2.7208
4.	Waterford township	2.1612
5.	Camden city	1.3601
6.	Cherry Hill township	0.8768
7.	Chesilhurst borough	0.4066
8.	Lindenwold borough	0.3917
9.	Pennsauken township	0.3023
10.	Pine Hill borough	0.2663

The ten Camden County municipalities with the largest increase in **Non-Residential Development** area were:

<u>Change in square miles</u>		
1.	Cherry Hill township	3.8261
2.	Winslow township	2.2260
3.	Voorhees township	1.5233
4.	Gloucester township	1.3072
5.	Pennsauken township	1.1788
6.	Waterford township	1.1384
7.	Berlin township	0.7438
8.	Berlin borough	0.3515
9.	Lindenwold borough	0.3455
10.	Clementon borough	0.2115

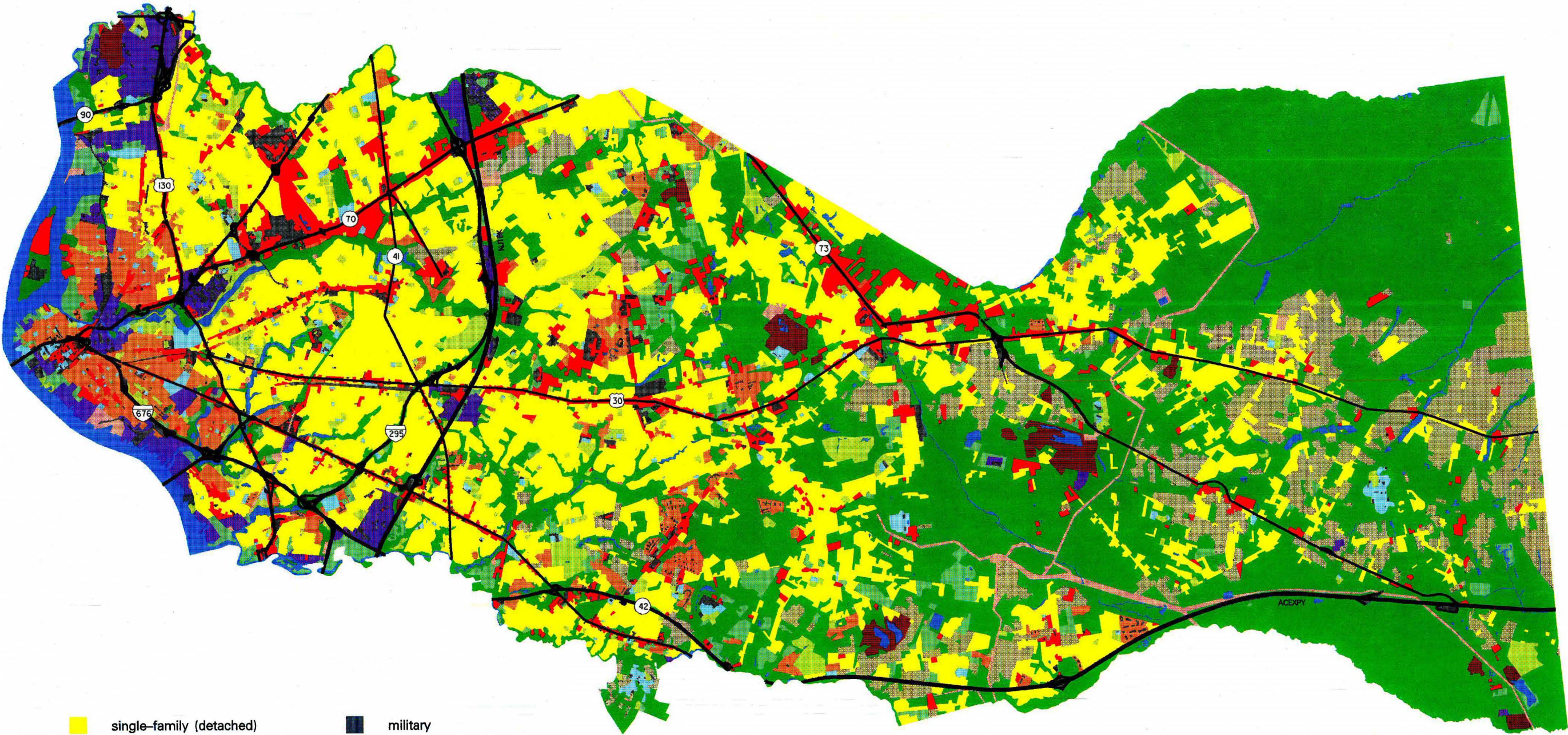
The ten Camden County municipalities with the largest losses in **Agricultural** land area were:

<u>Change in square miles</u>		
1.	Winslow township	-5.7094
2.	Gloucester township	-3.0286
3.	Cherry Hill township	-2.6226
4.	Voorhees township	-1.9058
5.	Waterford township	-1.8787
6.	Berlin township	-0.3319
7.	Berlin borough	-0.2803
8.	Pine Hill borough	-0.2762
9.	Lindenwold borough	-0.2500
10.	Gibbsboro borough	-0.0498

The ten Camden County municipalities with the largest losses in **Recreation, Vacant and Wooded** were:

<u>Change in square miles</u>		
1.	Voorhees township	-2.2692
2.	Cherry Hill township	-1.7646
3.	Pennsauken township	-1.2080
4.	Gloucester township	-1.0117
5.	Waterford township	-0.5659
6.	Berlin township	-0.5095
7.	Lindenwold borough	-0.4561
8.	Chesilhurst borough	-0.4397
9.	Berlin borough	-0.2175
10.	Camden city	-0.2085

Map 17:
1990 LAND USE: CAMDEN COUNTY



- | | |
|--------------------------|-------------|
| single-family (detached) | military |
| multi-family | recreation |
| manufacturing | agriculture |
| transportation | mining |
| utility | vacant |
| commercial/services | wooded |
| community service | water |



Map 18 CAMDEN COUNTY MUNICIPALITIES



PREPARED BY
DELAWARE VALLEY REGIONAL PLANNING COMMISSION

Table 26

1990 CAMDEN COUNTY LAND USE (square miles)

CAMDEN COUNTY	SINGLE FAMILY	MULTI- FAMILY	MANU	TRANS	UTILITY	COMMER	COMMUN SERVICE	MILITARY	RECRE	AGRI	MINING	WOODED	VACANT	WATER	TOTAL
5 Audubon borough	0.8230	0.0161	0.0010	0.3961	0.0130	0.1169	0.0148	0.0000	0.0348	0.0000	0.0000	0.0678	0.0000	0.0124	1.50
10 Audubon Park borough	0.0000	0.1055	0.0000	0.0181	0.0000	0.0053	0.0000	0.0000	0.0100	0.0000	0.0000	0.0026	0.0084	0.0214	0.17
15 Barrington borough	0.6925	0.0593	0.1606	0.3559	0.0041	0.0524	0.0185	0.0000	0.0338	0.0061	0.0000	0.1853	0.0258	0.0000	1.59
20 Bellmawr borough	0.9073	0.2022	0.4404	0.6083	0.0164	0.0899	0.0671	0.0000	0.0511	0.0029	0.0007	0.2812	0.3504	0.1286	3.15
25 Berlin borough	0.9660	0.0105	0.0000	0.3936	0.0021	0.4934	0.0613	0.0000	0.0403	0.5729	0.0245	1.0114	0.0496	0.0222	3.65
30 Berlin township	0.8165	0.0132	0.0000	0.2864	0.0000	0.8408	0.0056	0.0000	0.0293	0.0322	0.0423	1.1505	0.0247	0.0101	3.25
35 Brooklawn borough	0.1748	0.0127	0.0000	0.0873	0.0000	0.0959	0.0059	0.0000	0.0141	0.0000	0.0000	0.0000	0.0803	0.0552	0.53
40 Camden city	0.1295	3.6805	1.2453	1.0325	0.1630	0.6541	0.5327	0.0000	0.5269	0.0000	0.0000	0.3161	0.6188	1.4823	10.38
43 Cherry Hill township	8.9842	0.6942	0.4648	4.6534	0.1468	2.9598	0.3248	0.0000	0.9166	0.9399	0.0000	3.6847	0.3794	0.0512	24.20
45 Chesilhurst borough	0.5948	0.0071	0.0000	0.1983	0.0000	0.0203	0.0032	0.0000	0.0165	0.0109	0.0000	0.8625	0.0000	0.0000	1.71
50 Clementon borough	0.6238	0.0937	0.0000	0.2476	0.0021	0.2060	0.0215	0.0000	0.0034	0.0000	0.0000	0.7522	0.0000	0.0204	1.97
55 Collingswood borough	0.8605	0.1667	0.0000	0.3652	0.0081	0.1221	0.0444	0.0000	0.2155	0.0000	0.0000	0.0610	0.0000	0.1012	1.94
65 Gibbsboro borough	0.4522	0.0000	0.0000	0.1602	0.0497	0.1489	0.0053	0.0000	0.0363	0.0252	0.0246	1.2156	0.0242	0.0442	2.19
75 Gloucester township	5.9651	1.0823	0.0091	2.6000	0.0502	0.7809	0.4484	0.0000	0.8317	1.7199	0.2920	8.0150	1.2104	0.2592	23.26
77 Gloucester City city	0.6504	0.2115	0.3192	0.3317	0.0599	0.1840	0.0550	0.0268	0.1217	0.0000	0.0000	0.1450	0.1617	0.5855	2.85
80 Haddon township	1.2896	0.0691	0.0267	0.5757	0.0121	0.1895	0.0569	0.0000	0.1090	0.0000	0.0000	0.4176	0.0144	0.0831	2.84
85 Haddonfield borough	1.5205	0.0108	0.0000	0.5568	0.0013	0.1533	0.0910	0.0000	0.0826	0.0011	0.0000	0.3971	0.0000	0.0360	2.85
90 Haddon Heights borough	0.8427	0.0000	0.0000	0.3746	0.0000	0.0873	0.0335	0.0000	0.0563	0.0000	0.0000	0.1602	0.0086	0.0000	1.56
95 Hi-Nella borough	0.0555	0.0403	0.0000	0.0185	0.0023	0.0059	0.0000	0.0000	0.0052	0.0000	0.0000	0.0424	0.0000	0.0000	0.17
100 Laurel Springs borough	0.3046	0.0075	0.0000	0.1015	0.0000	0.0270	0.0030	0.0000	0.0105	0.0000	0.0000	0.0000	0.0000	0.0158	0.47
105 Lawnsdale borough	0.4306	0.0160	0.0359	0.3546	0.0000	0.0590	0.0151	0.0000	0.0246	0.0000	0.0000	0.4496	0.0178	0.0000	1.40
110 Lindenwald borough	1.1718	0.4730	0.0000	0.5412	0.0086	0.2617	0.1094	0.0000	0.0356	0.0000	0.1402	1.0924	0.0566	0.0389	3.93
115 Magnolia borough	0.4993	0.0076	0.0458	0.1669	0.0000	0.1001	0.0041	0.0000	0.0274	0.0000	0.0000	0.1231	0.0087	0.0000	0.98
120 Merchantville borough	0.3629	0.0278	0.0000	0.1292	0.0007	0.0039	0.0545	0.0000	0.0138	0.0000	0.0000	0.0013	0.0000	0.0000	0.59
125 Mount Ephraim borough	0.4392	0.0058	0.0154	0.1886	0.0007	0.0644	0.0078	0.0000	0.0155	0.0000	0.0000	0.1056	0.0314	0.0285	0.90
130 Oaklyn borough	0.3517	0.0017	0.0000	0.1404	0.0018	0.0625	0.0065	0.0000	0.0149	0.0000	0.0000	0.0501	0.0000	0.0575	0.69
135 Pennsauken township	2.9798	0.1693	1.8355	1.9825	0.1504	0.7256	0.2151	0.0000	0.5350	0.0160	0.2587	1.0156	0.6321	1.6992	12.21
140 Pine Hill Borough	0.9357	0.1759	0.0000	0.3369	0.0000	0.1199	0.0177	0.0000	0.1393	0.0613	0.0000	2.0075	0.1567	0.0321	3.98
145 Pine Valley borough	0.0199	0.0000	0.0000	0.0066	0.0000	0.0000	0.0000	0.0000	0.2948	0.0000	0.0000	0.6125	0.0000	0.0128	0.95
150 Runnemede borough	0.8507	0.0390	0.0192	0.4169	0.0040	0.1495	0.0282	0.0000	0.0924	0.0084	0.0130	0.3860	0.1066	0.0269	2.14
155 Somerdale borough	0.6716	0.0271	0.0000	0.2528	0.0000	0.1869	0.0085	0.0000	0.0364	0.0000	0.0000	0.1513	0.0523	0.0001	1.39
160 Stratford borough	0.7041	0.0652	0.0000	0.3109	0.0038	0.1843	0.0204	0.0000	0.0922	0.0000	0.0000	0.2297	0.0156	0.0045	1.63
165 Tavistock borough	0.0071	0.0000	0.0000	0.0194	0.0000	0.0000	0.0000	0.0000	0.2436	0.0000	0.0000	0.0068	0.0000	0.0000	0.28
170 Voorhees township	3.3112	0.6065	0.0000	1.4094	0.0515	1.1884	0.0438	0.0000	0.3531	0.2879	0.2599	3.1090	0.8485	0.1773	11.65
175 Waterford township	3.0287	0.1012	0.0000	1.0573	0.3943	0.4544	0.0227	0.0000	0.1609	3.3182	0.0020	26.9569	0.3491	0.3617	36.21
180 Winslow township	5.4336	0.3478	0.1244	2.6609	1.1113	1.1496	0.2946	0.0000	0.4863	11.0140	0.9524	32.7327	1.1065	0.8729	58.29
185 Woodlynne borough	0.0610	0.0962	0.0069	0.0264	0.0020	0.0006	0.0023	0.0000	0.0041	0.0000	0.0000	0.0264	0.0004	0.0000	0.23
TOTALS	47.91	8.64	4.75	23.36	2.26	11.94	2.64	0.03	5.72	18.02	2.01	87.82	6.34	6.24	227.69

Table 27

1970 CAMDEN COUNTY LAND USE (square miles)

CAMDEN COUNTY	SINGLE FAMILY	MULTI- FAMILY	MANU	TRANS	UTILITY	COMMERCIAL	COMMUN SERVICE	MILITARY	RECRE	AGRI	MINING	WOODED	VACANT	WATER	TOTAL
5 Audubon borough	0.9063	0.0297	0.0031	0.3297	0.0094	0.0594	0.0156	0.0000	0.0297	0.0000	0.0000	0.0125	0.0734	0.0125	1.48
10 Audubon Park borough	0.0000	0.0891	0.0000	0.0234	0.0000	0.0000	0.0063	0.0000	0.0063	0.0000	0.0000	0.0031	0.0219	0.0156	0.17
15 Barrington borough	0.7594	0.0922	0.0750	0.3063	0.0094	0.0672	0.0219	0.0000	0.0766	0.0094	0.0000	0.0859	0.0797	0.0031	1.58
20 Bellmawr borough	0.9766	0.1813	0.1438	0.4953	0.0922	0.2391	0.0438	0.0000	0.1031	0.0109	0.0000	0.0859	0.5969	0.0781	3.04
25 Berlin borough	0.7563	0.0203	0.0594	0.3125	0.0063	0.1609	0.0563	0.0000	0.0250	0.8531	0.0281	0.8047	0.4891	0.0156	3.59
30 Berlin township	0.7094	0.0078	0.0078	0.2516	0.0172	0.0469	0.0578	0.0000	0.0281	0.3641	0.0500	1.3188	0.3672	0.0047	3.23
35 Brooklawn borough	0.1234	0.0266	0.0016	0.0875	0.0047	0.0594	0.0063	0.0000	0.0281	0.0000	0.0000	0.0016	0.0625	0.1250	0.53
40 Camden city	0.5203	1.9297	0.7313	2.5453	0.0844	0.9891	0.2781	0.0000	0.4125	0.0000	0.0000	0.0016	1.2563	1.7719	10.52
43 Cherry Hill township	8.6188	0.1828	0.3500	2.7422	0.2813	0.7641	0.5781	0.0000	1.0359	3.5625	0.0078	3.2531	2.4563	0.2094	24.04
45 Chesilhurst borough	0.1953	0.0000	0.0031	0.1031	0.0000	0.0203	0.0016	0.0000	0.0000	0.0484	0.0031	0.9422	0.3766	0.0016	1.70
50 Clementon borough	0.7000	0.0375	0.0078	0.1734	0.0094	0.0594	0.0156	0.0000	0.0578	0.0078	0.0000	0.6438	0.1453	0.0750	1.93
55 Collingswood borough	0.8922	0.1734	0.0203	0.3656	0.0109	0.0875	0.0422	0.0000	0.1906	0.0000	0.0000	0.0172	0.0359	0.1000	1.94
65 Gibbsboro borough	0.3563	0.0016	0.0234	0.1063	0.0047	0.0484	0.0578	0.0000	0.0844	0.0750	0.0359	1.1813	0.1438	0.0906	2.21
75 Gloucester township	4.0781	0.0688	0.1625	1.2563	0.1422	0.3734	0.3438	0.0000	0.8406	4.7484	0.5953	7.8734	2.3547	0.2672	23.11
77 Gloucester City city	0.5313	0.2172	0.2516	0.4328	0.0500	0.2281	0.0045	0.0268	0.1063	0.0000	0.0000	0.0375	0.2703	0.6328	2.79
80 Haddon township	1.6891	0.0375	0.0031	0.4016	0.0641	0.0984	0.0984	0.0000	0.2047	0.0000	0.0000	0.1109	0.0641	0.0375	2.81
85 Haddonfield borough	1.4359	0.0844	0.0344	0.4688	0.0156	0.1328	0.0375	0.0000	0.2281	0.0000	0.0094	0.0922	0.1594	0.1016	2.80
90 Haddon Heights borough	0.9469	0.0328	0.0000	0.2688	0.0266	0.0391	0.0297	0.0000	0.1125	0.0031	0.0000	0.0438	0.0188	0.0063	1.53
95 Hi-Nella borough	0.0469	0.0422	0.0016	0.0281	0.0016	0.0063	0.0000	0.0000	0.0391	0.0297	0.0000	0.0250	0.0156	0.0000	0.24
100 Laurel Springs borough	0.3016	0.0078	0.0000	0.0797	0.0016	0.0141	0.0094	0.0000	0.0000	0.0031	0.0000	0.0250	0.0188	0.0063	0.47
105 Lawnsdale borough	0.5063	0.0016	0.0000	0.2266	0.0188	0.0609	0.0125	0.0000	0.0594	0.0391	0.0250	0.2297	0.2219	0.0031	1.40
110 Lindenwood borough	1.1453	0.1078	0.0172	0.4688	0.0172	0.0828	0.1109	0.0000	0.1016	0.2500	0.0188	1.2297	0.3094	0.0406	3.90
115 Magnolia borough	0.4938	0.0219	0.0516	0.1594	0.0141	0.0359	0.0203	0.0000	0.0344	0.0063	0.0000	0.0469	0.1031	0.0000	0.99
120 Merchantville borough	0.3531	0.0547	0.0000	0.1203	0.0016	0.0250	0.0156	0.0000	0.0109	0.0000	0.0000	0.0000	0.0156	0.0000	0.60
125 Mount Ephraim borough	0.4969	0.0172	0.0063	0.1594	0.0109	0.0469	0.0109	0.0000	0.0203	0.0000	0.0000	0.0188	0.1016	0.0234	0.91
130 Oaklyn borough	0.3766	0.0172	0.0016	0.0906	0.0094	0.0328	0.0125	0.0000	0.0328	0.0000	0.0000	0.0047	0.0219	0.0813	0.68
135 Pennsauken township	2.6641	0.1828	0.6078	1.5953	0.1813	1.1453	0.1297	0.0000	0.6375	0.0500	0.3297	0.4953	2.2578	1.5609	11.84
140 Pine Hill borough	0.8438	0.0016	0.0141	0.1984	0.0547	0.0563	0.0984	0.0000	0.3234	0.3375	0.0938	1.6516	0.2672	0.0438	3.98
145 Pine Valley borough	0.0328	0.0000	0.0000	0.0313	0.0031	0.0000	0.0000	0.0000	0.2953	0.0172	0.0000	0.5031	0.0063	0.0141	0.90
150 Runnemede borough	0.9406	0.0516	0.0391	0.3156	0.0531	0.0938	0.0391	0.0000	0.0938	0.0000	0.0000	0.0797	0.4219	0.0672	2.20
155 Somerdale borough	0.6750	0.0313	0.0219	0.2188	0.0078	0.0578	0.0281	0.0000	0.0281	0.0078	0.0000	0.2203	0.0906	0.0047	1.39
160 Stratford borough	0.7391	0.0563	0.0016	0.2469	0.0125	0.0547	0.0703	0.0000	0.0156	0.0141	0.0000	0.1844	0.1422	0.0063	1.55
165 Tavistock borough	0.0094	0.0000	0.0000	0.0141	0.0000	0.0000	0.0000	0.0000	0.2500	0.0000	0.0000	0.0000	0.0000	0.0109	0.28
170 Voorhees township	1.1766	0.0203	0.2188	0.4500	0.0609	0.1094	0.0891	0.0000	0.5891	2.1938	0.5016	4.3063	1.6844	0.0750	11.48
175 Waterford township	0.9641	0.0047	0.0344	0.4781	0.0125	0.1859	0.0391	0.0000	0.2375	5.1969	0.0422	19.7078	8.0875	0.3406	35.33
180 Winslow township	1.9188	0.0391	0.5000	1.7500	0.1609	0.6219	0.1219	0.0000	0.4859	16.7234	0.9125	20.1844	13.4906	0.7438	57.65
185 Woodlynne borough	0.0688	0.0484	0.0016	0.0453	0.0000	0.0109	0.0031	0.0000	0.0063	0.0000	0.0000	0.0000	0.0266	0.0141	0.23
Totals	37.95	3.92	3.40	17.35	1.45	6.11	2.48	0.03	6.83	34.55	2.65	65.42	36.25	6.58	225.00

Table 28

CAMDEN COUNTY CHANGE IN LAND USE 1970 – 1990

GROUPED CATEGORIES (square miles)

CAMDEN COUNTY	TOTAL AREA	RESIDENTIAL				NON-RESIDENTIAL DEVELOPED				AGRICULTURE				RECREATION, VACANT, WOODED			
		1970	1990	'70 – '90 CHANGE	% CHANGE	1970	1990	'70 – '90 CHANGE	% CHANGE	1970	1990	'70 – '90 CHANGE	% CHANGE	1970	1990	'70 – '90 CHANGE	% CHANGE
5 Audubon borough	1.48	0.9359	0.8390	-0.0969	-10.4%	0.4172	0.5418	0.1246	29.9%	0.0000	0.0000	0.0000	0.0%	0.1156	0.1026	-0.0130	-11.3%
10 Audubon Park borough	0.17	0.0891	0.1055	0.0164	18.4%	0.0297	0.0235	-0.0062	-20.9%	0.0000	0.0000	0.0000	0.0%	0.0313	0.0210	-0.0102	-32.7%
15 Barrington borough	1.58	0.8516	0.7518	-0.0997	-11.7%	0.4797	0.5916	0.1119	23.3%	0.0094	0.0061	-0.0033	-34.8%	0.2422	0.2449	0.0027	1.1%
20 Bellmawr borough	3.04	1.1578	1.1095	-0.0483	-4.2%	1.0141	1.2228	0.2088	20.6%	0.0109	0.0029	-0.0080	-73.2%	0.7859	0.6827	-0.1032	-13.1%
25 Berlin borough	3.59	0.7766	0.9765	0.1999	25.7%	0.6234	0.9750	0.3515	56.4%	0.8531	0.5729	-0.2803	-32.9%	1.3188	1.1013	-0.2175	-16.5%
30 Berlin township	3.23	0.7172	0.8297	0.1125	15.7%	0.4313	1.1751	0.7438	172.5%	0.3641	0.0322	-0.3319	-91.2%	1.7141	1.2046	-0.5095	-29.7%
35 Brooklawn borough	0.53	0.1500	0.1875	0.0375	25.0%	0.1594	0.1892	0.0298	18.7%	0.0000	0.0000	0.0000	0.0%	0.0922	0.0944	0.0022	2.4%
40 Camden city	10.52	2.4500	3.8101	1.3601	55.5%	4.6281	3.6277	-1.0004	-21.6%	0.0000	0.0000	0.0000	0.0%	1.6703	1.4618	-0.2085	-12.5%
43 Cherry Hill township	24.04	8.8016	9.6784	0.8768	10.0%	4.7234	8.5495	3.8261	81.0%	3.5625	0.9399	-2.6226	-73.6%	6.7453	4.9807	-1.7646	-26.2%
45 Chesilhurst borough	1.70	0.1953	0.6019	0.4066	208.2%	0.1313	0.2217	0.0905	68.9%	0.0484	0.0109	-0.0375	-77.4%	1.3188	0.8790	-0.4397	-33.3%
50 Clementon borough	1.93	0.7375	0.7175	-0.0200	-2.7%	0.2656	0.4772	0.2115	79.6%	0.0078	0.0000	-0.0078	-100.0%	0.8469	0.7555	-0.0913	-10.8%
55 Collingswood borough	1.94	1.0656	1.0272	-0.0384	-3.6%	0.5266	0.5398	0.0132	2.5%	0.0000	0.0000	0.0000	0.0%	0.2438	0.2765	0.0328	13.4%
65 Gibbsboro borough	2.21	0.3578	0.4522	0.0944	26.4%	0.2766	0.3887	0.1121	40.5%	0.0750	0.0252	-0.0498	-66.4%	1.4094	1.2762	-0.1332	-9.5%
75 Gloucester township	23.11	4.1469	7.0474	2.9005	69.9%	2.8734	4.1806	1.3072	45.5%	4.7484	1.7199	-3.0286	-63.8%	11.0688	10.0570	-1.0117	-9.1%
77 Gloucester City city	2.79	0.7484	0.8619	0.1134	15.2%	0.9938	0.9766	-0.0172	-1.7%	0.0000	0.0000	0.0000	0.0%	0.4141	0.4284	0.0143	3.5%
80 Haddon township	2.81	1.7266	1.3587	-0.3679	-21.3%	0.6656	0.8610	0.1953	29.3%	0.0000	0.0000	0.0000	0.0%	0.3797	0.5411	0.1614	42.5%
85 Haddonfield borough	2.80	1.5203	1.5314	0.0111	0.7%	0.6984	0.8025	0.1040	14.9%	0.0000	0.0011	0.0011	0.0%	0.4797	0.4797	0.0001	0.0%
90 Haddon Heights borough	1.53	0.9797	0.8427	-0.1370	-14.0%	0.3641	0.4954	0.1314	36.1%	0.0031	0.0000	-0.0031	-100.0%	0.1750	0.2251	0.0501	28.6%
95 Hi-Nella borough	0.24	0.0891	0.0958	0.0067	7.5%	0.0375	0.0267	-0.0108	-28.7%	0.0297	0.0000	-0.0297	-100.0%	0.0797	0.0476	-0.0320	-40.2%
100 Laurel Springs borough	0.47	0.3094	0.3121	0.0027	0.9%	0.1047	0.1315	0.0268	25.6%	0.0031	0.0000	-0.0031	-100.0%	0.0438	0.0105	-0.0333	-76.0%
105 Lawnside borough	1.40	0.5078	0.4466	-0.0613	-12.1%	0.3438	0.4646	0.1208	35.1%	0.0391	0.0000	-0.0391	-100.0%	0.5109	0.4920	-0.0189	-3.7%
110 Lindenwood borough	3.90	1.2531	1.6448	0.3917	31.3%	0.7156	1.0611	0.3455	48.3%	0.2500	0.0000	-0.2500	-100.0%	1.6406	1.1845	-0.4561	-27.8%
115 Magnolia borough	0.99	0.5156	0.5069	-0.0087	-1.7%	0.2813	0.3169	0.0357	12.7%	0.0063	0.0000	-0.0063	-100.0%	0.1844	0.1592	-0.0252	-13.7%
120 Merchantville borough	0.60	0.4078	0.3907	-0.0171	-4.2%	0.1625	0.1883	0.0258	15.9%	0.0000	0.0000	0.0000	0.0%	0.0266	0.0151	-0.0114	-43.0%
125 Mount Ephram borough	0.91	0.5141	0.4451	-0.0690	-13.4%	0.2344	0.2768	0.0424	18.1%	0.0000	0.0000	0.0000	0.0%	0.1406	0.1526	0.0119	8.5%
130 Oaklyn borough	0.68	0.3938	0.3533	-0.0404	-10.3%	0.1469	0.2112	0.0643	43.8%	0.0000	0.0000	0.0000	0.0%	0.0594	0.0650	0.0056	9.4%
135 Pennsauken township	11.84	2.8469	3.1491	0.3023	10.6%	3.9891	5.1678	1.1788	29.5%	0.0500	0.0160	-0.0340	-67.9%	3.3906	2.1826	-1.2080	-35.6%
140 Pine Hill borough	3.98	0.8453	1.1116	0.2663	31.5%	0.5156	0.4745	-0.0411	-8.0%	0.3375	0.0613	-0.2762	-81.8%	2.2422	2.3035	0.0613	2.7%
145 Pine Valley borough	0.90	0.0328	0.0199	-0.0129	-39.3%	0.0344	0.0066	-0.0277	-80.7%	0.0172	0.0000	-0.0172	-100.0%	0.8047	0.9073	0.1026	12.7%
150 Runnemede borough	2.20	0.9922	0.8897	-0.1025	-10.3%	0.5406	0.6307	0.0901	16.7%	0.0000	0.0084	0.0084	0.0%	0.5953	0.5850	-0.0103	-1.7%
155 Somerdale borough	1.39	0.7063	0.6988	-0.0075	-1.1%	0.3344	0.4482	0.1138	34.0%	0.0078	0.0000	-0.0078	-100.0%	0.3391	0.2401	-0.0990	-29.2%
160 Stratford borough	1.55	0.7953	0.7693	-0.0261	-3.3%	0.3859	0.5194	0.1335	34.6%	0.0141	0.0000	-0.0141	-100.0%	0.3422	0.3375	-0.0047	-1.4%
165 Tavistock borough	0.28	0.0094	0.0071	-0.0023	-24.0%	0.0141	0.0194	0.0054	38.1%	0.0000	0.0000	0.0000	0.0%	0.2500	0.2505	0.0005	0.2%
170 Voorhees township	11.48	1.1969	3.9177	2.7208	227.3%	1.4297	2.9530	1.5233	106.5%	2.1938	0.2879	-1.9058	-86.9%	6.5797	4.3105	-2.2692	-34.5%
175 Waterford township	35.33	0.9688	3.1299	2.1612	223.1%	0.7922	1.9306	1.1384	143.7%	5.1969	3.3182	-1.8787	-36.1%	28.0328	27.4669	-0.5659	-2.0%
180 Winslow township	57.65	1.9578	5.7814	3.8236	195.3%	4.0672	6.2932	2.2260	54.7%	16.7234	11.0140	-5.7094	-34.1%	34.1609	34.3255	0.1646	0.5%
185 Woodlynne borough	0.23	0.1172	0.1572	0.0400	34.2%	0.0609	0.0382	-0.0227	-37.3%	0.0000	0.0000	0.0000	0.0%	0.0328	0.0309	-0.0020	-6.0%
Totals	225.00	41.87	56.55	14.69	35.1%	33.47	46.99	13.5272	40.4%	34.55	18.02	-16.53	-47.8%	108.51	99.88	-8.63	-8.0%

GLOUCESTER COUNTY PROFILE

According to the Census Bureau, Gloucester County's population grew by 57,401 from 1970 - 1990, and 33,505 residential units were authorized by building permit. In addition, the BEA's total employment figures show an increase of 43,195 jobs in the County during the twenty-year period.

Gloucester County's development continued east from Philadelphia County, through the central and southern portions of the County.

The ten municipalities with the largest increase in **Residential** land area were:

<u>Change in square miles</u>		
1.	Washington township	2.8074
2.	Franklin township	2.7642
3.	Monroe township	2.4905
4.	Harrison township	0.5861
5.	Deptford township	0.4404
6.	Glassboro borough	0.4028
7.	West Deptford township	0.3349
8.	East Greenwich township	0.2806
9.	Woolwich township	0.2550
10.	South Harrison township	0.2155

The ten Gloucester County municipalities with the largest increase in **Non-Residential Developed** area were:

<u>Change in square miles</u>		
1.	Monroe township	2.6706
2.	Franklin township	2.5393
3.	Washington township	1.9737
4.	Deptford township	1.6196
5.	Logan township	0.8506
6.	Mantua township	0.5261
7.	East Greenwich township	0.4488
8.	Glassboro borough	0.3743
9.	South Harrison township	0.3218
10.	Clayton borough	0.2613

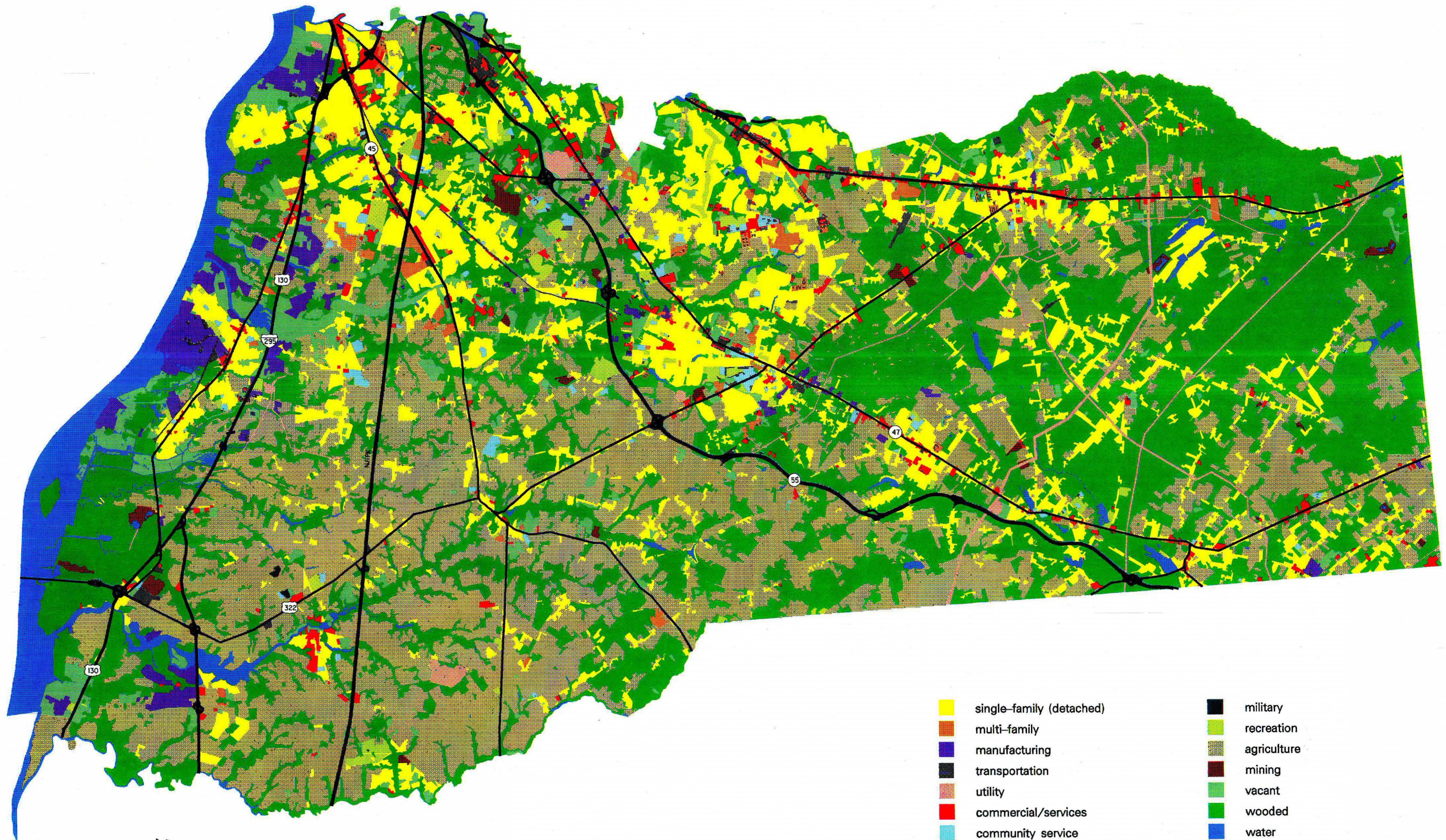
The ten Gloucester County municipalities with the greatest decreases in **Agriculture** land area were:

<u>Change in square miles</u>		
1.	Washington township	-2.5572
2.	Franklin township	-1.9981
3.	Monroe township	-1.4602
4.	Harrison township	-0.8082
5.	Woolwich township	-0.8011
6.	Glassboro township	-0.7983
7.	South Harrison township	-0.7615
8.	East Greenwich township	-0.7366
9.	Logan township	-0.6135
10.	Deptford township	-0.6098

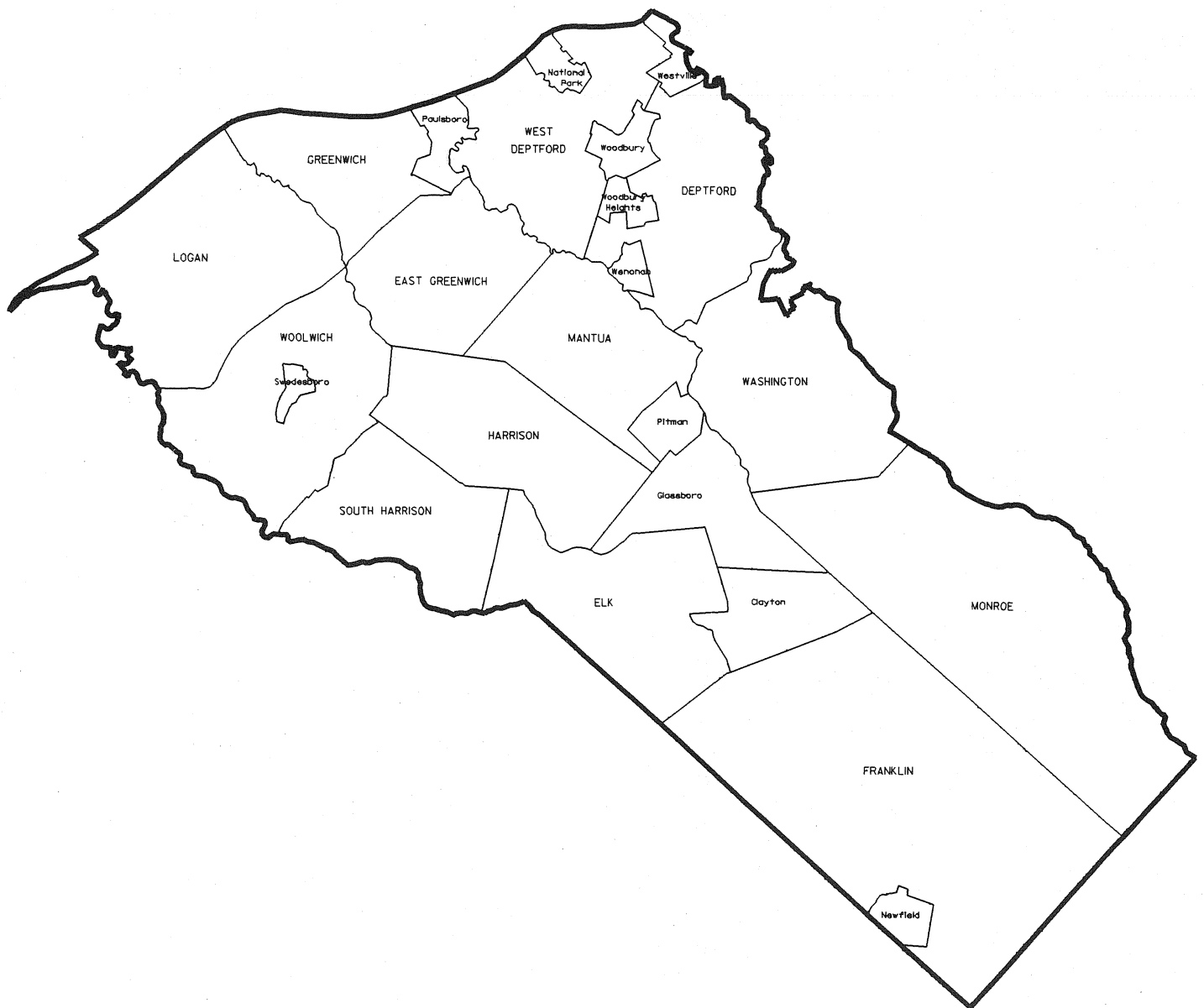
The ten Gloucester County municipalities with the largest decrease in **Recreation, Wooded and Vacant** land area were:

<u>Change in square miles</u>		
1.	Monroe township	-3.8561
2.	Franklin township	-3.6298
3.	Washington township	-2.3127
4.	Deptford township	-1.3020
5.	West Deptford township	-0.8121
6.	Logan township	-0.5712
7.	Mantua township	-0.4722
8.	Clayton borough	-0.2583
9.	Paulsboro borough	-0.2384
10.	Glassboro borough	-0.1108

Map 19: 1990 LAND USE: GLOUCESTER COUNTY



Map 20 GLOUCESTER COUNTY MUNICIPALITIES



PREPARED BY
DELAWARE VALLEY REGIONAL PLANNING COMMISSION

Table 29

1990 GLOUCESTER COUNTY LAND USE (square miles)

GLOUCESTER COUNTY	SINGLE FAMILY	MULTI- FAMILY	MANU	TRANS	UTILITY	COMMER	COMMUN SERVICE	MILITARY	RECRE	AGRI	MINING	WOODED	VACANT	WATER	TOTAL
5 Clayton borough	1.0444	0.0235	0.0865	0.3824	0.0008	0.1954	0.0837	0.0000	0.0881	1.8505	0.0000	3.3985	0.0332	0.1678	7.35
10 Deptford township	3.4282	0.2826	0.0604	2.2101	0.2577	1.0045	0.2322	0.0000	0.4134	2.0715	0.2609	6.0342	1.2333	0.1632	17.65
15 East Greenwich township	1.3072	0.0000	0.2251	0.7068	0.1354	0.0253	0.1624	0.0000	0.0714	7.7447	0.0000	3.4732	0.9537	0.0346	14.84
20 Elk township	0.7856	0.0797	0.0003	0.5270	0.0244	0.0483	0.0085	0.0000	0.0480	10.0509	0.0029	7.8784	0.1325	0.1103	19.70
25 Franklin township	5.7854	0.0394	0.0192	2.3053	1.0957	0.4989	0.1122	0.0000	0.3007	14.0269	0.1127	31.3909	0.2880	0.5242	56.50
30 Glassboro borough	1.6991	0.2568	0.1763	0.9013	0.0895	0.1571	0.2828	0.0000	0.2213	1.1876	0.0501	3.7908	0.5083	0.0000	9.32
35 Greenwich township	0.8209	0.0000	1.4451	0.5474	0.0407	0.0436	0.0357	0.0000	0.0853	1.3620	0.0000	2.9987	1.5999	3.0379	12.02
40 Harrison township	1.3481	0.0287	0.0000	0.5872	0.0056	0.0613	0.1434	0.0000	0.0077	11.8465	0.0263	4.5262	0.5067	0.0550	19.14
45 Logan township	0.5858	0.0390	0.7898	0.7632	0.0251	0.1298	0.0179	0.0000	0.0266	8.4068	0.3405	9.8990	1.1251	4.5994	26.75
50 Mantua township	1.9514	0.1460	0.0837	1.0143	0.0499	0.2187	0.1006	0.0000	0.3237	5.2988	0.1104	5.9435	0.7371	0.0295	16.01
55 Monroe township	5.4377	0.3231	0.0402	2.1536	0.8810	0.9024	0.1158	0.0000	0.2351	7.5882	0.3073	27.7360	0.6822	0.5571	46.96
60 National Park borough	0.3828	0.0000	0.0233	0.1276	0.0000	0.0115	0.0080	0.0000	0.0551	0.0000	0.0000	0.3896	0.0000	0.4797	1.48
65 Newfield borough	0.3858	0.0000	0.0900	0.1349	0.0031	0.0260	0.0186	0.0000	0.0233	0.2940	0.0000	0.6346	0.0829	0.0046	1.70
70 Paulsboro borough	0.6114	0.0198	0.4821	0.2434	0.0000	0.0706	0.0462	0.0000	0.0138	0.0000	0.0000	0.0060	0.4887	0.5204	2.50
75 Pitman borough	1.0394	0.0718	0.0599	0.3681	0.0000	0.0851	0.0432	0.0000	0.0832	0.0148	0.0000	0.3431	0.1186	0.0385	2.27
80 South Harrison township	0.6159	0.0152	0.0000	0.2057	0.2932	0.0396	0.0145	0.0000	0.0543	9.5635	0.0000	4.7360	0.0583	0.0302	15.63
85 Swedesboro borough	0.2433	0.0000	0.0000	0.0811	0.0000	0.1496	0.0175	0.0000	0.0000	0.0951	0.0000	0.1164	0.0272	0.0381	0.77
90 Washington township	5.6917	0.6564	0.0512	2.4751	0.0043	0.9401	0.2982	0.0000	0.6152	4.7100	0.0000	5.1314	0.8798	0.1702	21.62
95 Wenonah borough	0.4372	0.0000	0.0000	0.1850	0.0000	0.0162	0.0052	0.0000	0.0159	0.0322	0.0000	0.2835	0.0109	0.0052	0.99
100 West Deptford township	2.2276	0.6010	1.6747	1.1762	0.0263	0.3653	0.1069	0.0000	0.3586	2.6292	0.0000	3.9513	2.7640	1.9028	17.78
105 Westville borough	0.3796	0.0109	0.0338	0.2186	0.0000	0.1991	0.0119	0.0000	0.0349	0.0002	0.0000	0.0564	0.0706	0.3847	1.40
110 Woodbury city	0.9270	0.0390	0.0179	0.4421	0.0000	0.1614	0.0480	0.0000	0.1098	0.0000	0.0000	0.2944	0.0128	0.0406	2.09
115 Woodbury Heights bar.	0.5454	0.0001	0.0068	0.2397	0.0000	0.1034	0.0169	0.0000	0.0692	0.0000	0.0000	0.2283	0.0000	0.0000	1.21
120 Woolwich township	0.6394	0.0000	0.0000	0.4734	0.0036	0.1619	0.0569	0.0532	0.3611	13.7739	0.0287	4.8766	0.5661	0.3945	21.39
TOTALS	38.32	2.63	5.37	18.47	2.94	5.62	1.99	0.05	3.62	102.55	1.24	128.12	12.88	13.29	337.07

Table 30

1970 GLOUCESTER COUNTY LAND USE (square miles)

GLOUCESTER COUNTY	SINGLE FAMILY	MULTI- FAMILY	MANU	TRANS	UTILITY	COMMER	COMMUN SERVICE	MILITARY	RECRE	AGRI	MINING	WOODED	VACANT	WATER	TOTAL
5 Clayton borough	0.9078	0.0391	0.0125	0.2156	0.0156	0.1641	0.0781	0.0000	0.1234	2.1172	0.0016	2.9484	0.7063	0.0219	7.35
10 Depford township	3.1922	0.0781	0.1891	1.0109	0.0766	0.6672	0.2438	0.0000	0.2563	2.6813	0.2188	4.7734	3.9531	0.4000	17.74
15 East Greenwich township	0.9734	0.0531	0.0094	0.4953	0.0063	0.1891	0.0938	0.0000	0.0172	8.4813	0.0125	2.4578	2.0609	0.2125	15.06
20 Elk township	1.3484	0.1063	0.0031	0.2906	0.0000	0.1484	0.0313	0.0000	0.1875	9.7609	0.0391	5.6938	1.7500	0.4641	19.82
25 Franklin township	2.9359	0.1047	0.0563	0.8297	0.0266	0.3594	0.0875	0.0000	0.3031	16.0250	0.2453	31.0500	4.2563	0.5609	56.84
30 Glassboro borough	1.3516	0.2016	0.1063	0.5266	0.0453	0.3391	0.2109	0.0000	0.1766	1.9859	0.0547	2.7953	1.6594	0.0625	9.52
35 Greenwich township	0.8516	0.0297	1.2813	0.3719	0.0078	0.5141	0.0156	0.0000	0.0516	1.3641	0.0000	0.5016	3.9641	2.9469	11.90
40 Harrison township	0.7547	0.0359	0.0000	0.2906	0.0063	0.1969	0.0688	0.0000	0.0406	12.6547	0.0984	3.2891	1.5609	0.1828	19.18
45 Logan township	0.4641	0.0219	0.0813	0.8781	0.0781	0.0656	0.0172	0.0000	0.0031	9.0203	0.0953	1.3109	10.3078	4.6063	26.95
50 Mantua township	1.9922	0.0609	0.0500	0.5109	0.0406	0.2266	0.1047	0.0000	0.6656	5.2594	0.1188	4.3813	2.4297	0.2125	16.05
55 Monroe township	3.1297	0.1406	0.0625	0.9125	0.0391	0.3844	0.0734	0.0000	0.1391	9.0484	0.2578	28.2438	4.1266	0.5703	47.13
60 National Park borough	0.3266	0.0547	0.0000	0.1250	0.0078	0.0328	0.0234	0.0000	0.0469	0.0031	0.0000	0.0984	0.2672	0.4828	1.47
65 Newfield borough	0.3234	0.0063	0.0531	0.0672	0.0359	0.0266	0.0141	0.0000	0.0109	0.4734	0.0250	0.5984	0.0563	0.0031	1.70
70 Paulsboro borough	0.5094	0.1109	0.0953	0.2516	0.0016	0.2703	0.0359	0.0000	0.0344	0.0000	0.0000	0.0328	0.6797	0.4563	2.48
75 Pitman borough	1.0797	0.0734	0.0594	0.3125	0.0031	0.0781	0.0453	0.0000	0.0688	0.0828	0.0000	0.2547	0.2422	0.0469	2.34
80 South Harrison township	0.3938	0.0219	0.0000	0.2109	0.0000	0.0109	0.0047	0.0000	0.0031	10.3250	0.0047	4.0766	0.6000	0.0672	15.72
85 Swedesboro borough	0.1844	0.0719	0.0328	0.0688	0.0047	0.1078	0.0328	0.0000	0.0141	0.0906	0.0000	0.0828	0.0641	0.0266	0.78
90 Washington township	3.3891	0.1516	0.1766	0.7016	0.0375	0.5484	0.1047	0.0000	0.4109	7.2672	0.2266	4.9375	3.5906	0.2859	21.83
95 Wenonah borough	0.4578	0.0109	0.0000	0.1250	0.0016	0.0063	0.0141	0.0000	0.0281	0.0094	0.0000	0.1859	0.1266	0.0297	1.00
100 West Depford township	2.3625	0.1313	1.1844	1.0328	0.0969	0.9516	0.0828	0.0000	0.3453	2.3406	0.0000	2.6000	4.9406	2.1141	18.18
105 Westville borough	0.2984	0.0453	0.0266	0.1797	0.0000	0.0578	0.0172	0.0000	0.0281	0.0000	0.0000	0.0469	0.1063	0.3391	1.15
110 Woodbury city	0.7984	0.1313	0.0141	0.3938	0.0047	0.1844	0.0625	0.0000	0.1641	0.0000	0.0000	0.1297	0.1266	0.0828	2.09
115 Woodbury Heights borough	0.4734	0.0063	0.0188	0.2438	0.0047	0.0609	0.0219	0.0000	0.0531	0.0109	0.0000	0.2172	0.1313	0.0063	1.25
120 Woolwich township	0.3781	0.0063	0.0172	0.4844	0.0031	0.1219	0.0406	0.0532	0.4203	14.5750	0.0313	3.1859	1.8938	0.2766	21.48
Totals	28.8766	1.6938	3.5297	10.5297	0.5438	5.7125	1.5250	0.0532	3.5922	113.5766	1.4297	103.8922	49.6000	14.4578	339.01

Table 31

GLOUCESTER COUNTY CHANGE IN LAND USE 1970 – 1990

GROUPED CATEGORIES (square miles)

GLOUCESTER COUNTY	TOTAL AREA	RESIDENTIAL				NON-RESIDENTIAL DEVELOPED				AGRICULTURE				RECREATION, VACANT, WOODED			
		1970	1990	'70 – '90 CHANGE	% CHANGE	1970	1990	'70 – '90 CHANGE	% CHANGE	1970	1990	'70 – '90 CHANGE	% CHANGE	1970	1990	'70 – '90 CHANGE	% CHANGE
5 Clayton borough	7.35	0.9469	1.0679	0.1210	12.8%	0.4875	0.7488	0.2613	53.6%	2.1172	1.8505	-0.2667	-12.6%	3.7781	3.5198	-0.2583	-6.8%
10 Depford township	17.74	3.2703	3.7107	0.4404	13.5%	2.4063	4.0258	1.6196	67.3%	2.6813	2.0715	-0.6098	-22.7%	8.9828	7.6809	-1.3020	-14.5%
15 East Greenwich township	15.06	1.0266	1.3072	0.2806	27.3%	0.8063	1.2550	0.4488	55.7%	8.4813	7.7447	-0.7366	-8.7%	4.5359	4.4983	-0.0376	-0.8%
20 Elk township	19.82	1.4547	0.8653	-0.5894	-40.5%	0.5125	0.6114	0.0989	19.3%	9.7609	10.0509	0.2900	3.0%	7.6313	8.0589	0.4277	5.6%
25 Franklin township	56.84	3.0406	5.8248	2.7842	91.6%	1.6047	4.1440	2.5393	158.2%	16.0250	14.0269	-1.9981	-12.5%	35.6094	31.9796	-3.6298	-10.2%
30 Glassboro borough	9.52	1.5531	1.9559	0.4028	25.9%	1.2828	1.6572	0.3743	29.2%	1.9859	1.1876	-0.7983	-40.2%	4.6313	4.5204	-0.1108	-2.4%
35 Greenwich township	11.90	0.8813	0.8210	-0.0603	-6.8%	2.1906	2.1126	-0.0780	-3.6%	1.3641	1.3620	-0.0020	-0.1%	4.5172	4.6839	0.1667	3.7%
40 Harrison township	19.18	0.7906	1.3768	0.5861	74.1%	0.6609	0.8238	0.1628	24.6%	12.6547	11.8465	-0.8082	-6.4%	4.8906	5.0406	0.1500	3.1%
45 Logan township	26.95	0.4859	0.6248	0.1389	28.6%	1.2156	2.0662	0.8506	70.0%	9.0203	8.4068	-0.6135	-6.8%	11.6219	11.0507	-0.5712	-4.9%
50 Mantua township	16.05	2.0531	2.0974	0.0442	2.2%	1.0516	1.5776	0.5261	50.0%	5.2594	5.2988	0.0394	0.7%	7.4766	7.0044	-0.4722	-6.3%
55 Monroe township	47.13	3.2703	5.7608	2.4905	76.2%	1.7297	4.4003	2.6706	154.4%	9.0484	7.5882	-1.4602	-16.1%	32.5094	28.6533	-3.8561	-11.9%
60 National Park borough	1.47	0.3813	0.3828	0.0015	0.4%	0.1891	0.1704	-0.0186	-9.9%	0.0031	0.0000	-0.0031	-100.0%	0.4125	0.4447	0.0322	7.8%
65 Newfield borough	1.70	0.3297	0.3858	0.0561	17.0%	0.2219	0.2726	0.0507	22.9%	0.4734	0.2940	-0.1794	-37.9%	0.6656	0.7408	0.0752	11.3%
70 Paulsboro borough	2.48	0.6203	0.6312	0.0109	1.8%	0.6547	0.8423	0.1877	28.7%	0.0000	0.0000	0.0000	0.0%	0.7469	0.5085	-0.2384	-31.9%
75 Pitman borough	2.34	1.1531	1.1112	-0.0419	-3.6%	0.4984	0.5562	0.0578	11.6%	0.0828	0.0148	-0.0680	-82.1%	0.5656	0.5448	-0.0208	-3.7%
80 South Harrison township	15.72	0.4156	0.6311	0.2155	51.8%	0.2313	0.5530	0.3218	139.1%	10.3250	9.5635	-0.7615	-7.4%	4.6797	4.8487	0.1690	3.6%
85 Swedesboro borough	0.78	0.2563	0.2433	-0.0130	-5.1%	0.2469	0.2481	0.0013	0.5%	0.0906	0.0951	0.0045	4.9%	0.1609	0.1436	-0.0173	-10.8%
90 Washington township	21.83	3.5406	6.3481	2.8074	79.3%	1.7953	3.7690	1.9737	109.9%	7.2672	4.7100	-2.5572	-35.2%	8.9391	6.6264	-2.3127	-25.9%
95 Wenonah borough	1.00	0.4688	0.4372	-0.0315	-6.7%	0.1469	0.2064	0.0595	40.5%	0.0094	0.0322	0.0228	243.4%	0.3406	0.3103	-0.0303	-8.9%
100 West Depford township	18.18	2.4938	2.8286	0.3349	13.4%	3.3484	3.3493	0.0009	0.0%	2.3406	2.6292	0.2886	12.3%	7.8859	7.0738	-0.8121	-10.3%
105 Westville borough	1.15	0.3438	0.3905	0.0468	13.6%	0.2813	0.4635	0.1822	64.8%	0.0000	0.0002	0.0002	0.0%	0.1813	0.1618	-0.0194	-10.7%
110 Woodbury city	2.09	0.9297	0.9660	0.0363	3.9%	0.6594	0.6694	0.0100	1.5%	0.0000	0.0000	0.0000	0.0%	0.4203	0.4170	-0.0033	-0.8%
115 Woodbury Heights borough	1.25	0.4797	0.5455	0.0658	13.7%	0.3500	0.3668	0.0168	4.8%	0.0109	0.0000	-0.0109	-100.0%	0.4016	0.2974	-0.1041	-25.9%
120 Woolwich township	21.48	0.3844	0.6394	0.2550	66.3%	0.7516	0.7778	0.0262	3.5%	14.5750	13.7739	-0.8011	-5.5%	5.5000	5.8039	0.3039	5.5%
Totals	339.01	30.57	40.95	10.38	34.0%	23.32	35.68	12.3561	53.0%	113.58	102.55	-11.03	-9.7%	157.08	144.62	-12.46	-7.9%

MERCER COUNTY PROFILE

According to the Census Bureau, 30,879 residential units were authorized by building permit in the County between 1970 - 1990. During this twenty-year period, the population in the County increased 21,856 (Census) and total employment rose 63,478 (BEA).

The ten Mercer County municipalities with the largest increases in **Residential** land area were:

<u>Change in square miles</u>		
1.	West Windsor township	2.4322
2.	Lawrence township	1.3927
3.	Hamilton township	1.3025
4.	Trenton City	0.7577
5.	Princeton township	0.7267
6.	East Windsor township	0.6350
7.	Hopewell township	0.5729
8.	Ewing township	0.4468
9.	Washington township	0.2743
10.	Pennington township	0.0558

The ten Mercer County municipalities with the largest increases in **Non-Residential Developed** land area were:

<u>Change in square miles</u>		
1.	Hamilton township	3.4560
2.	West Windsor township	1.7019
3.	Ewing township	1.6825
4.	Hopewell township	1.1563
5.	Princeton township	1.0381
6.	Lawrence township	0.9354
7.	East Windsor township	0.8471
8.	Washington township	0.7357
9.	Princeton borough	0.2597
10.	Hightstown borough	0.1427

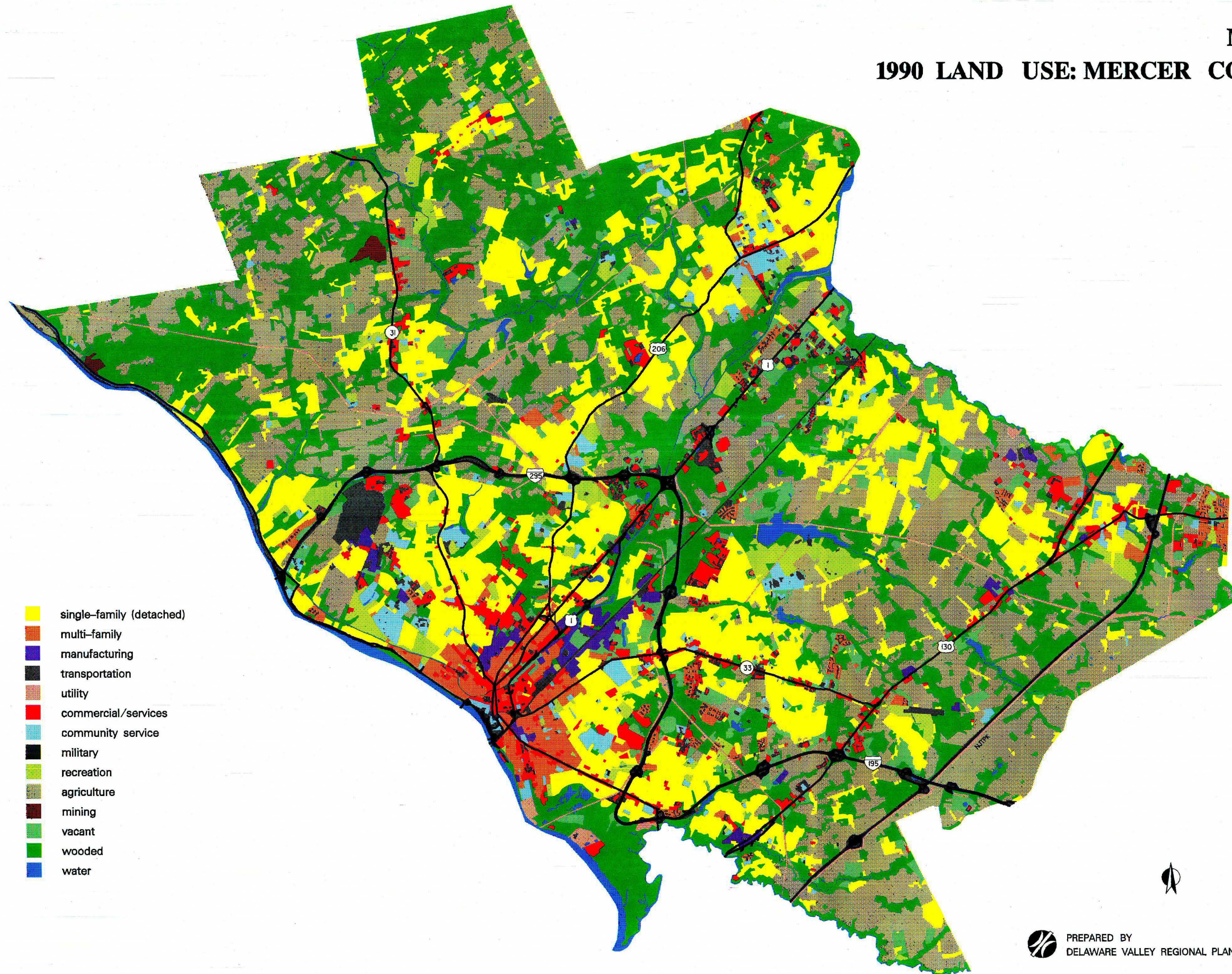
The ten Mercer Counties with the largest decreases in **Agricultural** land are were:

<u>Change in square miles</u>		
1.	Hopewell township	-9.7685
2.	West Windsor township	-6.7026
3.	Hamilton township	-4.7965
4.	Lawrence township	-3.3057
5.	Washington township	-2.2775
6.	East Windsor township	-1.4763
7.	Ewing township	-0.7790
8.	Pennington borough	-0.1108
9.	Princeton township	-0.0736
10.	Hopewell borough	-0.0486

The ten Mercer County municipalities with the largest losses in **Recreation, Vacant and Wooded** land use area were

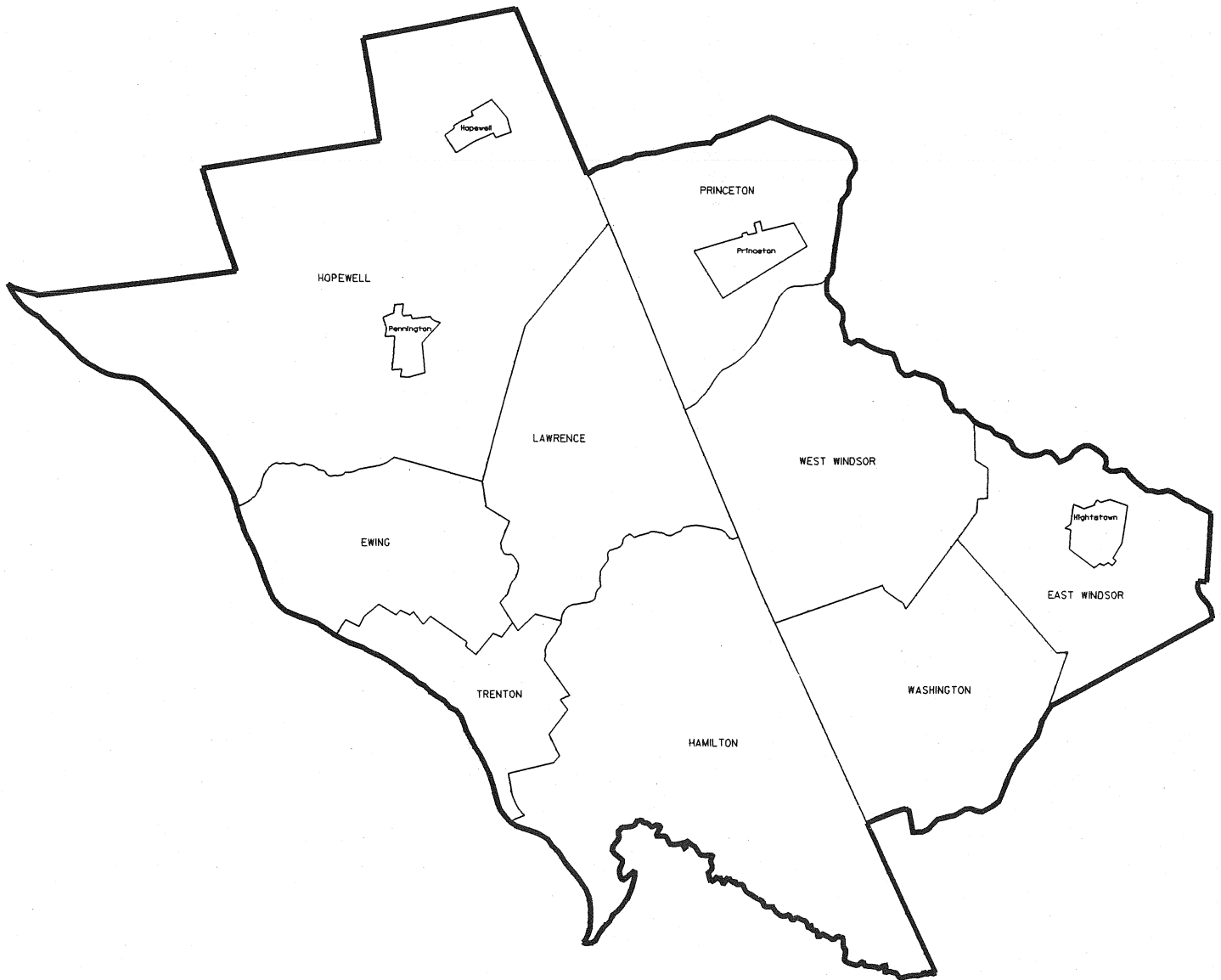
<u>Change in square miles</u>		
1.	Princeton township	-2.3967
2.	Ewing township	-1.2794
3.	East Windsor township	-0.1556
4.	Princeton borough	-0.0899
5.	Hopewell borough	-0.0530
6.	Hightstown borough	-0.0260
7.	Pennington borough	-0.0143
8.	Trenton City	-0.0134

Map 21
1990 LAND USE: MERCER COUNTY



PREPARED BY
 DELAWARE VALLEY REGIONAL PLANNING COMMISSION

Map 22 MERCER COUNTY MUNICIPALITIES



PREPARED BY
DELAWARE VALLEY REGIONAL PLANNING COMMISSION

Table 32

1990 MERCER COUNTY LAND USE (square miles)

MERCER COUNTY	SINGLE FAMILY	MULTI- FAMILY	MANU	TRANS	UTILITY	COMMER	COMMUN SERVICE	MILITARY	RECRE	AGRI	MINING	WOODED	VACANT	WATER	TOTAL
5 East Windsor township	1.6365	0.9064	0.1064	0.9876	0.3141	0.7204	0.0998	0.0000	0.4503	6.3034	0.0000	3.5903	0.4882	0.1142	15.72
10 Ewing township	4.5912	0.3993	0.4863	3.0997	0.0011	1.0393	0.7358	0.0000	0.8931	1.3695	0.0000	2.3025	0.5094	0.3235	15.75
15 Hamilton township	8.9289	0.8876	0.8239	4.9783	0.7226	1.8494	0.7802	0.0000	0.7204	6.9347	0.0000	10.4351	2.2528	0.9819	40.30
20 Hightstown borough	0.4708	0.0503	0.0000	0.1605	0.0124	0.1912	0.1349	0.0000	0.0617	0.0530	0.0000	0.0516	0.0357	0.0274	1.25
25 Hopewell borough	0.3702	0.0036	0.0087	0.1234	0.0000	0.0650	0.0123	0.0000	0.0000	0.0998	0.0000	0.0165	0.0023	0.0000	0.70
30 Hopewell township	5.1385	0.0000	0.0111	2.3301	0.4553	0.5941	0.1711	0.0000	0.6153	21.0768	0.3055	26.2722	0.9007	0.8894	58.76
35 Lawrence township	4.1436	0.4960	0.0809	2.6589	0.2619	0.7965	0.4342	0.0000	0.6815	3.9302	0.0000	7.3822	0.6568	0.2334	21.76
40 Pennington borough	0.4963	0.0033	0.0000	0.1717	0.0000	0.0866	0.0410	0.0000	0.0601	0.0126	0.0000	0.1084	0.0001	0.0011	0.98
45 Princeton borough	0.7282	0.0894	0.0000	0.3083	0.0006	0.0929	0.4906	0.0000	0.0395	0.0023	0.0000	0.0498	0.0052	0.0000	1.81
50 Princeton township	4.3293	0.2630	0.0059	1.6219	0.1627	0.1553	0.3672	0.0000	0.4261	1.6858	0.0000	6.4007	0.4265	0.2599	16.10
55 Trenton city	0.6207	2.8730	0.3350	0.8789	0.1101	1.3418	0.5806	0.0000	0.3580	0.0000	0.0000	0.2812	0.1193	0.5851	8.08
60 Washington township	1.0068	0.1862	0.1480	1.0602	0.2550	0.3703	0.0537	0.0000	0.2567	10.4366	0.0000	5.8851	0.8580	0.1430	20.66
65 West Windsor township	4.1458	0.1958	0.0000	2.1005	0.2660	0.4481	0.2858	0.0000	1.4538	8.1020	0.0000	6.5640	2.4082	0.8372	26.81
TOTALS	36.61	6.35	2.01	20.48	2.56	7.75	4.19	0.00	6.02	60.01	0.31	69.34	8.66	4.4	228.67

Table 33

1970 MERCER COUNTY LAND USE (square miles)

MERCER COUNTY	SINGLE FAMILY	MULTI- FAMILY	MANU	TRANS	UTILITY	COMMER	COMMUN SERVICE	MILITARY	RECRE	AGRI	MINING	WOODED	VACANT	WATER	TOTAL
5 East Windsor township	1.4531	0.4547	0.1781	0.7109	0.0625	0.2469	0.0953	0.0000	0.4141	7.7797	0.0875	2.8172	1.4531	0.1203	15.87
10 Ewing township	4.3531	0.1906	0.2688	2.0969	0.1813	0.7047	0.4266	0.0000	0.8984	2.1484	0.0016	1.8141	2.2719	0.2563	15.61
15 Hamilton township	7.8719	0.6422	0.7156	2.3266	0.6781	1.1297	0.4859	0.0000	0.6250	11.7313	0.3625	7.8078	4.9250	1.2344	40.54
20 Hightstown borough	0.4469	0.1375	0.0281	0.1313	0.0219	0.0906	0.0844	0.0000	0.0531	0.0875	0.0000	0.0516	0.0703	0.0266	1.23
25 Hopewell borough	0.3297	0.0219	0.0094	0.0703	0.0016	0.0469	0.0094	0.0000	0.0031	0.1484	0.0000	0.0234	0.0453	0.0016	0.71
30 Hopewell township	4.5141	0.0516	0.0313	1.0172	0.3031	0.4797	0.6609	0.0000	0.9469	30.8453	0.2188	15.2438	3.7531	0.8063	58.87
35 Lawrence township	3.1688	0.0781	0.1531	0.9813	0.9516	0.5313	0.6453	0.0000	0.5766	7.2359	0.0344	5.2734	2.4297	0.1750	22.23
40 Pennington borough	0.4094	0.0344	0.0141	0.0688	0.0125	0.0609	0.0656	0.0000	0.0469	0.1234	0.0000	0.1000	0.0359	0.0047	0.98
45 Princeton borough	0.8406	0.1500	0.0016	0.2188	0.0078	0.1031	0.3000	0.0000	0.0734	0.0031	0.0016	0.0703	0.0406	0.0016	1.81
50 Princeton township	3.6328	0.2328	0.0328	0.6359	0.0703	0.1234	0.4125	0.0000	0.6609	1.7594	0.0000	7.4266	1.5625	0.4250	16.98
55 Trenton City	0.9047	1.8313	0.5828	2.2625	0.2047	0.9672	0.4141	0.0000	0.3250	0.0109	0.0000	0.0875	0.3594	0.2781	8.23
60 Washington township	0.8828	0.0359	0.0609	0.6563	0.0297	0.3453	0.0594	0.0000	0.2344	12.7141	0.0000	3.7656	1.8547	0.1125	20.75
65 West Windsor township	1.8188	0.0906	0.2875	0.6219	0.0766	0.3063	0.0391	0.0000	0.3313	14.8047	0.0672	5.2875	2.2125	0.2453	26.19
Totals	30.6266	3.9516	2.3641	11.7984	2.6016	5.1359	3.6984	0.0000	5.1891	89.3922	0.7734	49.7688	21.0141	3.6875	230.00

Table 34

MERCER COUNTY CHANGE IN LAND USE 1970 – 1990 **GROUPED CATEGORIES (square miles)**

MERCER COUNTY	TOTAL AREA	RESIDENTIAL				NON-RESIDENTIAL DEVELOPED				AGRICULTURE				RECREATION, VACANT, WOODED			
		1970	1990	'70 – '90 CHANGE	% CHANGE	1970	1990	'70 – '90 CHANGE	% CHANGE	1970	1990	'70 – '90 CHANGE	% CHANGE	1970	1990	'70 – '90 CHANGE	% CHANGE
5 East Windsor township	15.87	1.9078	2.5429	0.6350	33.3%	1.3813	2.2284	0.8471	61.3%	7.7797	6.3034	-1.4763	-19.0%	4.6844	4.5288	-0.1556	-3.3%
10 Ewing township	15.61	4.5438	4.9905	0.4468	9.8%	3.6797	5.3621	1.6825	45.7%	2.1484	1.3695	-0.7790	-36.3%	4.9844	3.7050	-1.2794	-25.7%
15 Hamilton township	40.54	8.5141	9.8165	1.3025	15.3%	5.6984	9.1545	3.4560	60.6%	11.7313	6.9347	-4.7965	-40.9%	13.3578	13.4082	0.0504	0.4%
20 Hightstown borough	1.23	0.5844	0.5211	-0.0633	-10.8%	0.3563	0.4990	0.1427	40.1%	0.0875	0.0530	-0.0345	-39.5%	0.1750	0.1490	-0.0260	-14.8%
25 Hopewell borough	0.71	0.3516	0.3738	0.0222	6.3%	0.1375	0.2094	0.0719	52.3%	0.1484	0.0998	-0.0486	-32.7%	0.0719	0.0188	-0.0530	-73.8%
30 Hopewell township	58.87	4.5656	5.1385	0.5729	12.5%	2.7109	3.8672	1.1563	42.7%	30.8453	21.0768	-9.7685	-31.7%	19.9438	27.7883	7.8445	39.3%
35 Lawrence township	22.23	3.2469	4.6396	1.3927	42.9%	3.2969	4.2323	0.9354	28.4%	7.2359	3.9302	-3.3057	-45.7%	8.2797	8.7205	0.4408	5.3%
40 Pennington borough	0.98	0.4438	0.4996	0.0558	12.6%	0.2219	0.2992	0.0773	34.9%	0.1234	0.0126	-0.1108	-89.8%	0.1828	0.1685	-0.0143	-7.8%
45 Princeton borough	1.81	0.9906	0.8176	-0.1730	-17.5%	0.6328	0.8925	0.2597	41.0%	0.0031	0.0023	-0.0008	-26.1%	0.1844	0.0945	-0.0899	-48.8%
50 Princeton township	16.98	3.8656	4.5923	0.7267	18.8%	1.2750	2.3131	1.0381	81.4%	1.7594	1.6858	-0.0736	-4.2%	9.6500	7.2533	-2.3967	-24.8%
55 Trenton City	8.23	2.7359	3.4937	0.7577	27.7%	4.4313	3.2463	-1.1850	-26.7%	0.0109	0.0000	-0.0109	-100.0%	0.7719	0.7585	-0.0134	-1.7%
60 Washington township	20.75	0.9188	1.1931	0.2743	29.9%	1.1516	1.8872	0.7357	63.9%	12.7141	10.4366	-2.2775	-17.9%	5.8547	6.9998	1.1451	19.6%
65 West Windsor township	26.19	1.9094	4.3416	2.4322	127.4%	1.3984	3.1003	1.7019	121.7%	14.8047	8.1020	-6.7026	-45.3%	7.8313	10.4259	2.5947	33.1%
Totals	230.00	34.58	42.96	8.38	24.2%	26.37	37.3	10.93	41.4%	89.39	60.01	-29.38	-32.9%	75.97	84.02	8.05	10.6%

LAND USE CATEGORIES DEFINED

Single-family detached units are identified including their lots where lot boundaries are evident.

- In rural areas, single family residential units will be mapped when there are three or more contiguous units.
- Lots will be shown where possible, and estimated where no boundaries are evident.

Multi- Family units are identified including duplexes, row houses, apartments, group quarters, and mobile homes.

Non-residential uses of Manufacturing, Commercial and Community Services are often hard to distinguish from aerial photography. These uses are not often separated as they once were. The advent of flex-space has allowed structures to be converted into multiple uses. Also, Business/Office/Industrial Parks frequently contain many uses together in the same complex and often in the same building. Depending on the success of this classification, some categories may be merged to preserve the accuracy of the data.

Manufacturing includes area devoted to fabrication and/or assembly of raw materials or components.

Transportation includes areas devoted to rail, air, marine and highway transportation.

- Highways are included only when they are double land divided. Two lane roads and residential streets are not separately identified.
- Residential streets are identified as residential.
- Parking is mapped separately when 10 spaces or more are present.

Utilities and Communications include:

- Power generation and substations
- Major transmission lines
- Radio, television and microwave towers when separate.
- Water Filtration and Storage (except reservoirs)
- Wastewater Treatment
- Landfills

Commercial includes:

- Retail
- Wholesale
- Personal and Professional Services
- Hotels and Motels

Community Services includes:

- Hospitals and Clinics
- Government Buildings (except military)
- Educational Facilities
- Churches
- Cemeteries

Military includes:

- Air Bases
- Forts
- Naval Bases and Air Stations
- Coast Guard Bases
- National Guard Installations

Recreational includes:

- Parks
- Recreation sites (playgrounds etc) as interpreted.
- Amusement parks
- Resorts and Camps
- Public Assembly
- Golf Courses

The portion of recreational or cultural areas that can be identified on an aerial photograph will most likely not conform to the site boundary. Such information is derived from other sources.

Agricultural includes land devoted to crops, pastures, orchards, tree farms, or other agricultural uses. The farmstead and associated buildings are also agricultural. Single or double lots with houses on agricultural land are included in the agricultural category.

Mining includes any extractive use, principally:

- Quarries
- Sand Pits

Wooded (forested) areas are determined by:

- Continuous canopy or solid tree cover, woodlands, natural lands, marshes and swamps.
- Hedgerows (windrows) will not be interpreted as wooded.
- Wooded areas associated with residences will not be interpreted as wooded.

Wooded areas which are emerging from formerly agricultural fields are interpreted as wooded if, in the judgement of the interpreter, the wooded category dominates.

Vacant land is:

- Not clearly wooded
- Not agricultural
- Not developed
- Is cleared or unused and not tied to other uses.

Water areas include:

- Rivers, streams, lakes and ponds

Water areas must have two definable boundaries. Single lines will not be used.

Water areas are not divided into wetland categories since a variety of wetland definitions are being used by federal and state agencies and separate mapping is available for wetland areas.

Up to 1970, the signatures of land uses as identifiable from aerial photography were fairly reliable. However, a moderate level of visual inspection was required to correct errors and uncertainties. The budget for this project did not permit field survey. Yet, since 1970, the use of aerial signatures has become less reliable. This situation is the result of several circumstances including:

- Development of flex space which may be used by commercial, manufacturing, cultural or institutional occupants with little or no exterior differences.
Example: In Washington Township, Gloucester County, the library in the Holly Dell Industrial Park.
- The reuse of buildings for purposes unrelated to their original purpose is becoming more common.
Example: In Washington, Township, Gloucester County, the municipal building is housed in a former medical complex adjacent to the hospital.
- Conversion of industrial buildings to residential or commercial uses is common.
Example: In Philadelphia, Wills Eye Hospital is now a condominium, The Chocolate Factory is a condominium, several piers have been converted to residential or commercial use.

- Reuse of public buildings has increased dramatically as schools and other public structures are sold and converted to other uses.
- Highway commercial districts are expanding into adjacent residential structures which appear as single family homes or apartments on aerial photos.
Example: The White Horse Pike corridor (Route 30) in Camden County contains numerous residential structures that have been converted to office or retail uses.

PHOTO INTERPRETATION PROBLEMS:

Photo interpretation allows for the most efficient means for delineating actual developed area into information converted to map form. However, the interpretation can be subject to numerous possible errors.

- Multi-Family - Smaller multi-family units may be lost in commercial districts and building conversions will be incorrect.
- Manufacturing - Light manufacturing is likely to be misclassified as commercial, converted buildings may not be identified.
- Transportation - Highway area definition changed from 1970 - 1990; 1990 included parking areas with more than 10 parking spaces.
- Utility - Major transmission lines are included only where visible from photos. Therefore, in areas where a utility corridor appears to abruptly halt, it has, in fact, only been overridden in interpretation by a more obvious land use.
- Commercial - Small commercial areas are likely to be misclassified; mixed-use buildings or converted buildings may be missed.
- Community Service - These areas are the most likely to be misclassified as commercial.
- Military - Small military locations, such as armories, may be misclassified; large areas such as Fort Dix were interpreted as entirely military in 1970, while in 1990 uses such as water or transportation were pulled out of Military.
- Mining - Older mined areas may not be interpreted if overgrown with vegetation or could be identified as vacant if the signature is difficult to interpret.

RESIDENTIAL UNITS AUTHORIZED and POPULATION CHANGE FROM 1970 – 1990

BUCKS COUNTY

	TOTAL UNITS AUTHORIZED 1970–1990	1970 POPULATION	1990 POPULATION	PERCENT CHANGE 1970 – 1990
5 Bedminster township	675	3,252	4,602	41.5%
10 Bensalem township	9,980	33,038	56,788	71.9%
15 Bridgeton township	124	1,092	1,378	26.2%
20 Bristol borough	352	12,085	10,405	-13.9%
25 Bristol township	2,052	67,498	57,129	-15.4%
30 Buckingham township	1,694	5,150	9,364	81.8%
35 Chalfont borough	456	2,366	3,069	29.7%
40 Doylestown borough	754	8,270	8,575	3.7%
45 Doylestown township	2,774	6,613	14,510	119.4%
50 Dublin borough	586	657	1,985	202.1%
55 Durham township	163	781	1,209	54.8%
60 East Rockhill township	580	2,866	3,753	30.9%
65 Falls township	1,992	35,830	34,931	-2.5%
70 Haycock township	197	1,260	2,123	68.5%
75 Hilltown township	1,685	7,281	10,582	45.3%
80 Hulmeville borough	34	908	916	0.9%
85 Ivyland borough	97	600	498	-17.0%
90 Langhorne borough	42	1,889	1,366	-27.7%
95 Langhorne Manor borough	25	1,505	783	-48.0%
100 Lower Makefield township	5,519	14,804	25,124	69.7%
105 Lower Southampton twm.	1,769	17,578	19,860	13.0%
110 Middletown township	6,256	30,512	43,126	41.3%
115 Milford township	636	4,812	7,360	53.0%
120 Morrisville borough	277	11,309	9,765	-13.7%
125 New Britain borough	328	2,428	2,202	-9.3%
130 New Britain township	1,728	5,207	9,099	74.7%
135 New Hope borough	254	978	1,400	43.1%
140 Newtown borough	201	2,216	2,565	15.7%
145 Newtown township	4,789	2,002	13,685	583.6%
150 Nockamixon township	418	2,095	3,329	58.9%
155 Northampton township	7,565	15,807	35,406	124.0%
160 Pennel borough	25	2,248	2,640	17.4%
165 Perkasi borough	1,057	5,451	7,878	44.5%
170 Plumstead township	639	4,682	6,289	34.3%
175 Quakertown borough	943	7,276	8,982	23.4%
182 Richlandtown borough	113	856	1,195	39.6%
185 Richland township	501	4,089	8,560	109.3%
190 Riegelsville borough	20	1,050	912	-13.1%

BUCKS COUNTY

	TOTAL UNITS AUTHORIZED 1970-1990	1970 POPULATION	1990 POPULATION	PERCENT CHANGE 1970 - 1990
195 Sellersville borough	624	2,829	4,479	58.3%
200 Silverdale borough	186	545	892	63.7%
205 Solebury township	1,411	3,547	5,998	69.1%
210 Springfield township	299	3,702	5,177	39.8%
215 Telford borough	43	814	1,729	112.4%
220 Tinicum township	590	2,672	4,167	56.0%
225 Trumbauersville borough	46	831	936	12.6%
230 Tullytown borough	19	2,194	2,405	9.6%
235 Upper Makefield township	1,180	2,905	5,949	104.8%
240 Upper Southampton twm.	2,011	13,936	16,076	15.4%
245 Warminster township	1,959	34,900	32,832	-5.9%
250 Warrington towmship	1,996	7,550	12,169	61.2%
255 Warwick township	712	2,138	5,887	175.4%
260 West Rockhill township	194	3,270	4,462	36.5%
265 Wrightstown township	186	2,266	2,426	7.1%
270 Yardley borough	65	2,616	2,247	-14.1%
TOTALS :	68,821	415,056	541,174	30.4%

CHESTER COUNTY

	TOTAL UNITS AUTHORIZED 1970-1990	1970 POPULATION	1990 POPULATION	PERCENT CHANGE 1970 - 1990
5 Atglen borough	106	740	817	10.4%
10 Avondale borough	141	1,025	954	-6.9%
15 Birmingham township	563	834	2,636	216.1%
20 Caln township	2,817	6,689	11,997	79.4%
25 Charlestown township	325	3,528	2,796	-20.7%
30 Coatesville city	457	12,331	11,038	-10.5%
35 Downingtown borough	637	7,437	7,749	4.2%
40 East Bradford township	1,579	3,260	6,401	96.3%
45 East Brandywine township	1,129	2,741	5,179	88.9%
50 East Caln township	720	1,739	2,658	52.8%
55 East Coventry township	497	3,284	4,450	35.5%
60 East Fallowfield township	0	3,487	4,433	27.1%
65 East Goshen township	5,267	5,138	15,138	194.6%
70 East Marlborough township	792	3,031	4,781	57.7%
75 East Nantmeal township	226	858	1,442	68.1%
80 East Nottingham township	498	2,402	3,841	59.9%
85 East Pikeland township	959	4,384	5,825	32.9%
90 Easttown township	1,108	9,565	9,570	0.1%
95 East Vincent township	659	5,084	4,161	-18.2%
100 East Whiteland township	1,210	7,242	8,398	16.0%
105 Elk township	131	649	1,129	74.0%
110 Elverson borough	0	509	475	-6.7%

CHESTER COUNTY

	TOTAL UNITS AUTHORIZED 1970-1990	1970 POPULATION	1990 POPULATION	PERCENT CHANGE 1970 - 1990
115 Franklin township	526	1,043	2,779	166.4%
120 Highland township	120	1,248	1,198	-4.0%
125 Honey Brook borough	78	1,115	1,179	5.7%
130 Honeybrook township	567	2,883	5,449	89.0%
137 Kennett township	372	3,394	4,624	36.2%
140 Kennett Square borough	743	4,876	5,218	7.0%
145 London Britain township	616	963	2,671	177.4%
150 Londonderry township	168	920	1,243	35.1%
155 London Grove township	394	3,109	3,917	26.0%
160 Lower Oxford township	222	1,979	3,264	64.9%
165 Malvern borough	578	2,583	2,944	14.0%
170 Modena borough	5	867	511	-41.1%
175 New Garden township	654	4,153	5,430	30.7%
180 Newlin township	130	1,464	1,092	-25.4%
185 New London township	645	938	2,721	190.1%
190 North Coventry township	808	6,690	7,506	12.2%
195 Oxford borough	226	3,658	3,769	3.0%
200 Parkesburg borough	290	2,701	2,981	10.4%
207 Penn township	653	989	2,257	128.2%
210 Pennsbury township	543	1,763	3,326	88.7%
215 Phoenixville borough	2,013	14,823	15,066	1.6%
220 Pocopson township	458	1,556	3,266	109.9%
225 Sadsbury township	191	2,103	2,511	19.4%
230 Schuylkill township	452	5,779	5,538	-4.2%
235 South Coatesville borough	17	1,583	1,078	-31.9%
240 South Coventry township	137	1,518	1,675	10.3%
245 Spring City borough	103	3,578	3,433	-4.1%
250 Thornbury township	147	1,435	1,131	-21.2%
255 Tredyffrin township	4,502	23,337	28,071	20.3%
260 Upper Oxford township	186	1,961	1,621	-17.3%
265 Upper Uwchlan township	1,264	996	4,396	341.4%
270 Uwchlan township	3,525	5,473	12,999	137.5%
275 Valley township	447	3,791	4,007	5.7%
280 Wallace township	330	1,347	2,545	88.9%
285 Warwick township	323	1,667	2,582	54.9%
290 West Bradford township	2,080	2,996	10,406	247.3%
295 West Brandywine township	950	2,713	5,984	120.6%
300 West Caln township	959	3,152	6,143	94.9%
305 West Chester borough	1,004	19,301	18,041	-6.5%
310 West Fallowfield township	235	1,694	2,336	37.9%
315 West Goshen township	2,880	12,858	18,082	40.6%
320 West Grove borough	226	1,870	2,128	13.8%
325 West Marlborough township	45	917	879	-4.1%
330 West Nantmeal township	245	1,285	1,954	52.1%
335 West Nottingham township	108	1,440	2,183	51.6%
340 West Pikeland township	393	1,420	2,281	60.6%
345 West Sadsbury township	338	1,189	2,168	82.3%
350 Westtown township	1,610	5,069	9,937	96.0%
355 West Vincent township	321	1,890	2,268	20.0%
360 West Whiteland township	3,539	7,149	12,403	73.5%
365 Willistown township	1,293	9,128	9,337	2.3%
TOTALS :	58,480	278,311	376,396	35.2%

DELAWARE COUNTY

	TOTAL UNITS AUTHORIZED 1970-1990	1970 POPULATION	1990 POPULATION	PERCENT CHANGE 1970 - 1990
5 Aldan borough	149	5,001	4,549	-9.0%
10 Aston township	872	13,704	15,080	10.0%
15 Bethel township	518	2,034	3,330	63.7%
20 Birmingham township	939	1,281	3,118	143.4%
25 Brookhaven borough	1,647	7,370	8,567	16.2%
30 Chester city	1,198	56,331	41,856	-25.7%
35 Chester township	897	5,708	5,399	-5.4%
38 Chester Heights borough	344	1,277	2,273	78.0%
45 Clifton Heights borough	149	8,348	7,111	-14.8%
50 Collingdale borough	280	10,605	9,175	-13.5%
55 Colwyn borough	37	3,169	2,613	-17.5%
60 Concord township	1,030	4,592	6,933	51.0%
65 Darby borough	0	13,729	11,140	-18.9%
70 Darby township	270	13,198	10,955	-17.0%
75 East Lansdowne borough	3	3,186	2,691	-15.5%
80 Eddystone borough	104	2,706	2,435	-10.0%
85 Edgmont township	788	1,368	2,735	99.9%
90 Folcroft borough	273	9,610	7,506	-21.9%
95 Glenolden borough	240	8,697	7,260	-16.5%
100 Haverford township	1,524	55,132	49,892	-9.5%
105 Lansdowne borough	271	14,090	11,712	-16.9%
110 Lower Chichester township	65	4,009	3,632	-9.4%
115 Marcus Hook borough	7	3,041	2,545	-16.3%
120 Marple township	1,365	25,040	23,123	-7.7%
125 Media township	443	6,444	5,957	-7.6%
130 Middletown township	1,723	12,878	14,130	9.7%
135 Millbourne borough	0	637	818	28.4%
140 Morton borough	304	2,602	2,851	9.6%
145 Nether Providence township	1,158	13,644	13,229	-3.0%
150 Newtown township	825	11,081	11,366	2.6%
155 Norwood borough	187	7,229	6,162	-14.8%
160 Parkside borough	148	2,343	2,397	2.3%
165 Prospect Park borough	305	7,250	6,764	-6.7%
170 Radnor township	2,095	27,459	28,683	4.5%
177 Ridley township	347	39,085	31,180	-20.2%
180 Ridley Park borough	910	9,025	7,592	-15.9%
185 Rose Valley borough	47	821	982	19.6%
190 Rutledge borough	14	1,167	828	-29.0%
195 Sharon Hill borough	64	7,464	5,771	-22.7%
200 Springfield township	472	29,006	24,160	-16.7%
205 Swarthmore borough	50	6,156	6,157	0.0%
210 Thornbury township	373	2,652	5,056	90.6%
215 Tinicum township	282	4,906	4,440	-9.5%
220 Trainer borough	8	2,336	2,271	-2.8%
225 Upland borough	11	3,930	3,334	-15.2%
230 Upper Chichester tw.	2,185	11,414	15,009	31.5%
235 Upper Darby township	1,287	95,910	81,177	-15.4%
240 Upper Providence township	1,050	9,234	9,727	5.3%
245 Yeadon borough	365	12,136	11,980	-1.3%
TOTALS :	27,623	600,035	547,651	-8.7%

MONTGOMERY COUNTY

	TOTAL UNITS AUTHORIZED 1970-1990	1970 POPULATION	1990 POPULATION	PERCENT CHANGE 1970 - 1990
5 Abington township	2,460	62,899	56,322	-10.5%
10 Ambler borough	250	7,800	6,609	-15.3%
15 Bridgeport borough	255	5,630	4,292	-23.8%
20 Bryn Athyn borough	66	970	1,117	15.2%
25 Cheltenham township	1,024	40,238	34,923	-13.2%
30 Collegeville borough	427	3,191	4,227	32.5%
35 Conshohocken borough	240	10,195	8,064	-20.9%
40 Douglass township	1,211	4,177	6,995	67.5%
45 East Greenville borough	403	2,003	3,130	56.3%
50 East Norriton township	1,762	11,837	13,324	12.6%
55 Franconia township	1,036	5,245	7,189	37.1%
60 Green Lane borough	31	543	443	-18.4%
65 Hatboro borough	411	8,880	7,382	-16.9%
70 Hatfield borough	363	2,385	2,618	9.8%
75 Hatfield township	3,051	8,613	15,374	78.5%
80 Horsham township	3,322	13,888	21,896	57.7%
85 Jenkintown borough	33	5,990	4,574	-23.6%
90 Lansdale borough	731	18,451	16,394	-11.1%
95 Limerick township	930	5,556	6,731	21.1%
100 Lower Frederick township	661	2,515	3,391	34.8%
105 Lower Gwynedd township	1,710	6,361	9,958	56.5%
110 Lower Merion township	3,086	63,392	58,003	-8.5%
115 Lower Moreland township	1,006	11,746	11,768	0.2%
120 Lower Pottsgrove township	2,017	5,157	8,771	70.1%
125 Lower Providence township	2,077	15,169	19,321	27.4%
130 Lower Salford township	2,167	5,008	10,770	115.1%
135 Marlborough township	359	2,465	3,066	24.4%
140 Montgomery township	3,234	3,936	12,162	209.0%
145 Narberth borough	112	5,151	4,278	-16.9%
150 New Hanover township	914	4,211	6,009	42.7%
155 Norristown borough	690	38,169	30,749	-19.4%
160 North Wales borough	101	3,911	3,802	-2.8%
165 Pennsburg borough	134	2,260	2,447	8.3%
170 Perkiomen township	961	2,422	3,200	32.1%
175 Plymouth township	1,414	16,876	15,950	-5.5%
180 Pottstown borough	935	25,355	21,831	-13.9%
185 Red Hill borough	310	1,201	1,793	49.3%
190 Rockledge borough	50	2,564	2,679	4.5%
195 Royersford borough	401	4,235	4,458	5.3%
200 Salford township	312	1,560	2,216	42.1%
205 Schwenksville borough	133	809	1,326	63.9%
210 Skippack township	1,008	5,316	8,820	65.9%
215 Souderton borough	457	6,366	5,957	-6.4%
220 Springfield township	1,093	22,394	19,596	-12.5%
225 Telford borough	586	2,595	2,565	-1.2%
230 Towamencin township	3,726	4,738	14,167	199.0%
235 Trappe borough	373	1,676	2,115	26.2%

MONTGOMERY COUNTY

	TOTAL UNITS AUTHORIZED 1970-1990	1970 POPULATION	1990 POPULATION	PERCENT CHANGE 1970 - 1990
240 Upper Dublin township	3,386	19,449	24,096	23.9%
245 Upper Frederick township	344	1,418	2,165	52.7%
250 Upper Gwynedd township	2,426	6,856	12,197	77.9%
255 Upper Hanover township	647	2,721	4,604	69.2%
260 Upper Merion township	3,412	23,699	25,722	8.5%
265 Upper Moreland township	2,708	24,866	25,313	1.8%
270 Upper Pottsgrove township	366	2,477	3,223	30.1%
275 Upper Providence township	2,117	6,202	9,682	56.1%
280 Upper Salford township	398	1,950	2,769	42.0%
285 West Conshohocken boro.	11	2,194	1,258	-42.7%
290 West Norriton township	3,546	12,456	15,209	22.1%
295 West Pottsgrove township	365	4,038	3,923	-2.8%
300 Whitmarsh township	1,063	15,886	14,819	-6.7%
305 Whitpain township	3,236	9,295	15,673	68.6%
310 Worcester township	1,118	4,243	4,686	10.4%
TOTALS:	73,176	623,799	678,111	8.7%

PHILADELPHIA COUNTY

	TOTAL UNITS AUTHORIZED 1970-1990	1970 POPULATION	1990 POPULATION	PERCENT CHANGE 1970 - 1990
101 901 Center City	*	43465	45644	-0.05
101 902 South Philadelphia		231102	170944	26.0%
101 903 Southwest Philadelphia		96438	81885	15.1%
101 904 West Philadelphia		275483	219713	20.2%
101 905 Lower North		238,152	146,491	38.5%
101 906 Upper North		133798	106045	20.7%
101 907 Kensington		121,105	94,715	21.8%
101 908 Roxborough/Manayunk		49297	42525	13.7%
101 909 Germantown/Chestnut Hill		128446	103266	19.6%
101 910 Olney/Oak Lane		191,970	176,550	8.0%
101 911 Near Northeast		283164	237251	16.2%
101 912 Far Northeast		155074	160547	-3.5%
TOTALS :	45,807	1,947,494	1,585,577	18.6%

*Building Permits not available by Planning Analysis Areas

BURLINGTON COUNTY

	TOTAL UNITS AUTHORIZED 1970-1990	1970 POPULATION	1990 POPULATION	PERCENT CHANGE 1970 - 1990
5 Bass River township	198	815	1,576	93.4%
10 Beverly city	131	3,105	2,973	-4.3%
15 Bordentown city	194	4,490	4,341	-3.3%
20 Bordentown township	686	7,303	7,683	5.2%
25 Burlington city	438	11,991	9,835	-18.0%
30 Burlington township	1,483	10,612	12,454	17.4%
35 Chesterfield township	281	3,190	5,152	61.5%
40 Cinnaminson township	579	16,962	14,583	-14.0%
45 Delanco township	78	4,157	3,316	-20.2%
50 Delran township	977	10,040	13,178	31.3%
55 Eastampton township	1,235	2,284	4,962	117.3%
60 Edgewater Park township	1,180	7,412	8,388	13.2%
65 Evesham township	10,130	13,477	35,320	162.1%
70 Fieldsboro borough	9	615	570	-7.3%
75 Florence township	811	8,560	10,273	20.0%
80 Hainesport township	285	2,990	3,249	8.7%
90 Lumberton township	1,625	3,945	6,705	70.0%
95 Mansfield township	771	2,597	3,867	48.9%
100 Maple Shade township	3,429	16,464	19,211	16.7%
105 Medford township	573	8,292	20,526	147.5%
110 Medford Lakes borough	4,476	4,792	4,462	-6.9%
115 Moorestown township	1,222	15,577	16,116	3.5%
120 Mount Holly township	500	12,713	10,639	-16.3%
125 Mount Laurel township	9,542	11,221	30,270	169.8%
130 New Hanover township	127	27,410	9,412	-65.7%
135 North Hanover township	589	9,858	10,094	2.4%
140 Palmyra borough	890	6,969	7,056	1.2%
145 Pemberton borough	205	1,344	1,376	2.4%
150 Pemberton township	3,954	19,754	31,342	58.7%
155 Riverside township	182	8,616	7,974	-7.5%
160 Riverton borough	30	3,412	2,775	-18.7%
165 Shamong township	1,453	1,318	5,765	337.4%
170 Southampton township	2,791	4,982	10,202	104.8%
175 Springfield township	416	2,244	3,051	36.0%
180 Tabernacle township	1,580	2,103	7,360	250.0%
185 Washington township	71	673	809	20.2%
190 Westampton township	1,528	2,680	6,004	124.0%
192 Willingboro township	423	43,414	36,291	-16.4%
195 Woodland township	169	2,032	2,063	1.5%
200 Wrightstown borough	86	2,719	3,843	41.3%
TOTALS :	55,327	323,132	395,066	22.3%

CAMDEN COUNTY

	TOTAL UNITS AUTHORIZED 1970-1990	1970 POPULATION	1990 POPULATION	PERCENT CHANGE 1970 - 1990
5 Audubon borough	77	10,802	9,205	-14.8%
10 Audubon Park borough	0	1,492	1,147	-23.1%
15 Barrington borough	106	8,409	6,774	-19.4%
20 Bellmawr borough	202	15,618	12,603	-19.3%
25 Berlin borough	535	4,997	5,672	13.5%
30 Berlin township	418	5,692	5,466	-4.0%
35 Brooklawn borough	19	2,870	1,810	-36.9%
40 Camden city	2,413	102,551	87,492	-14.7%
43 Cherry Hill township	7,914	64,395	69,359	7.7%
45 Chesilhurst borough	105	801	1,526	90.5%
50 Clementon borough	630	4,492	5,601	24.7%
55 Collingswood borough	111	17,422	15,301	-12.2%
65 Gibbsboro borough	85	2,634	2,413	-8.4%
75 Gloucester township	967	26,511	53,797	102.9%
77 Gloucester City city	11,311	14,707	12,649	-14.0%
80 Haddon township	309	18,192	14,831	-18.5%
85 Haddonfield borough	224	13,118	11,628	-11.4%
90 Haddon Heights borough	118	9,365	7,860	-16.1%
95 Hi-Nella borough	1	1,195	1,043	-12.7%
100 Laurel Springs borough	53	2,566	2,341	-8.8%
105 Lawnside borough	332	2,757	2,841	3.0%
110 Lindenwold borough	4,330	12,199	18,734	53.6%
115 Magnolia borough	160	5,893	4,861	-17.5%
120 Merchantville borough	93	4,425	4,095	-7.5%
125 Mount Ephraim borough	23	5,625	4,517	-19.7%
130 Oaklyn borough	106	4,626	4,430	-4.2%
135 Pennsauken township	1,529	36,394	34,733	-4.6%
140 Pine Hill borough	1,798	5,132	9,854	92.0%
145 Pine Valley borough	7	23	21	-8.7%
150 Runnemede borough	232	10,475	9,042	-13.7%
155 Somerdale borough	145	6,510	5,410	-16.9%
160 Stratford borough	36	9,801	7,614	-22.3%
165 Tavistock borough	0	12	33	175.0%
170 Voorhees township	8,304	6,214	24,559	295.2%
175 Waterford township	2,160	4,073	10,940	168.6%
180 Winslow township	8,385	11,202	30,087	168.6%
185 Woodlynne borough	9	3,101	2,535	-18.3%
TOTALS :	53,247	456,291	502,824	10.2%

GLOUCESTER COUNTY

	TOTAL UNITS AUTHORIZED 1970-1990	1970 POPULATION	1990 POPULATION	PERCENT CHANGE 1970 - 1990
5 Clayton borough	1,099	5,193	6,155	18.5%
10 Deptford township	3,204	24,232	24,137	-0.4%
15 East Greenwich township	742	3,280	5,172	57.7%
20 Elk township	398	2,707	3,806	40.6%
25 Franklin township	2,147	8,990	14,482	61.1%
30 Glassboro borough	1,888	12,938	15,614	20.7%
35 Greenwich township	406	5,676	5,188	-8.6%
40 Harrison township	1,064	2,661	4,715	77.2%
45 Logan township	1,284	1,840	5,138	179.2%
50 Mantua township	1,065	9,643	10,074	4.5%
55 Monroe township	4,227	14,071	26,703	89.8%
60 National Park borough	120	3,730	3,413	-8.5%
65 Newfield borough	122	1,487	1,592	7.1%
70 Paulsboro borough	166	8,084	6,577	-18.6%
75 Pitman borough	207	10,257	9,365	-8.7%
80 South Harrison township	337	1,226	1,919	56.5%
85 Swedesboro borough	70	2,287	2,024	-11.5%
90 Washington township	10,096	15,741	41,960	166.6%
95 Wenonah borough	122	2,364	2,331	-1.4%
100 West Deptford township	3,553	13,928	19,380	39.1%
105 Westville borough	119	5,170	4,573	-11.5%
110 Woodbury city	679	12,408	10,904	-12.1%
115 Woodbury Heights borough	131	3,621	3,392	-6.3%
120 Woolwich township	259	1,147	1,468	28.0%
TOTALS :	33,505	172,681	230,082	33.2%

MERCER COUNTY

	TOTAL UNITS AUTHORIZED 1970-1990	1970 POPULATION	1990 POPULATION	PERCENT CHANGE 1970 - 1990
5 East Windsor township	3,403	11,736	22,353	90.5%
10 Ewing township	2,915	32,831	34,185	4.1%
15 Hamilton township	8,838	79,609	86,553	8.7%
20 Hightstown borough	352	5,431	5,126	-5.6%
25 Hopewell borough	83	2,271	1,968	-13.3%
30 Hopewell township	1,133	10,030	11,590	15.6%
35 Lawrence township	5,120	19,567	25,787	31.8%
40 Pennington borough	287	2,151	2,537	17.9%
45 Princeton borough	233	12,311	12,016	-2.4%
50 Princeton township	1,194	13,651	13,198	-3.3%
55 Trenton City	1,106	104,638	88,675	-15.3%
60 Washington township	1,863	3,311	5,815	75.6%
65 West Windsor township	4,352	6,431	16,021	149.1%
TOTALS :	30,879	303,968	325,824	7.2%

	TOTAL UNITS AUTHORIZED 1970-1990	1970 POPULATION	1990 POPULATION	PERCENT CHANGE 1970 - 1990
5 - COUNTY PENNSYLVANIA TOTAL :	273,907	3,865,810	3,728,909	- 3.5%
4 - COUNTY NEW JERSEY TOTAL :	172,958	1,256,072	1,453,796	15.7%
9-COUNTY REGION TOTAL :	446,865	5,121,882	5,182,705	1.2%