New Jersey Pinelands Commission Long-Term Economic Monitoring Program

2006 Annual Report



Betty Wilson, Chair

John C. Stokes, Executive Director

January 2007

NEW JERSEY PINELANDS LONG-TERM ECONOMIC MONITORING PROGRAM 2006 ANNUAL REPORT

January 2007

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Acknowledgments

The 2006 Annual Report of the Pinelands Long-Term Economic Monitoring Program was prepared by Pinelands Commission economist Tony O'Donnell.

The Pinelands Commission gratefully acknowledges the help of its technical advisors in guiding the Long-Term Economic Monitoring Program. The technical advisory committee currently includes the following:

John E. Petersen, Ph.D., Professor of Public Policy and Finance, George Mason University

Henry O. Pollakowski, Ph.D., Professor, Center for Real Estate, Massachusetts Institute of Technology

In addition to the technical advisory committee, the economist was also assisted in preparation of this year's report by two interns to the Pinelands Commission. Crystal Snedden and Keith Kosta were instrumental in helping collect and analyze data for the new supplemental variables included this year. Ms. Snedden has since accepted a job at the NJ Chapter of the Sierra Club, while Mr. Kosta graduated from Egg Harbor Township High School in June 2006 and is now enrolled as a student at Rutgers University. The Pinelands Commission is grateful for the help they provided in their time here.

The report will be available for review on the Pinelands Commission's web site at http://www.nj.gov/pinelands. The raw data used to create the report will also be available for download.

The report is also available from the Pinelands Commission free of charge on CD-ROM. Requests can be mailed to:

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Requests can also be made via phone at (609) 894-7300 or email at economist@njpines.state.nj.us

In addition, the 2006 Annual Report is available for review at the following libraries:

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Executive Summary

This report provides results of an ongoing economic monitoring program that tracks economic conditions in the Pinelands region. The Pinelands is the nation's first federal reserve. Established in 1978, it covers an area of over one million acres in the heart of Southern New Jersey. The Pinelands Comprehensive Management Plan (CMP) was adopted in 1980. The plan establishes minimum standards for land use throughout the region, which are implemented at the local level through municipal ordinances.

This report presents demographic data and describes key trends in the areas of population, real estate, economic growth, and municipal finance. Several core variables are continually monitored in each of these areas every year. A smaller number of supplemental variables are also examined but change from year to year. The basic unit of analysis is determined by the data. Municipal level data is available in most cases and county level data is utilized when municipal data is not available. The general analytical approach involves comparing economic trends (from 1980 onward) of the Pinelands municipalities to other regions outside of the Pinelands (i.e., Non-Pinelands, Southern New Jersey, and the State). In this report, "The Pinelands" refers to an aggregate of forty-seven municipalities that have at least ten percent of their land area within the state-designated Pinelands boundary. The "Non-Pinelands" refers to an aggregate of the remaining 155 municipalities in the eight counties of Southern New Jersey. In some instances certain variables from the US Census are available below the municipal level at the census block or census block group level. Trends inside and outside the Pinelands boundary can be distinguished at those geographic levels.

Supplemental population estimate data for 2001 through 2004 reveal that the Pinelands municipalities continue to grow at a faster rate than the Non-Pinelands municipalities. According to the estimates, the Pinelands municipal population grew by 54,000 between 2000 and 2004, an increase of 8.8% (compared to an increase of 3.7% in the Non-Pinelands). Previous population analysis at the census block level revealed that 277,000 people lived within the actual Pinelands boundary in 2000, a 5.5% increase over the 1990 population of 262,510. By contrast, the population in the portion of the Pinelands municipalities that lie outside of the Pinelands boundary grew by 14.3%, from 361,009 in 1990 to 412,557 in 2000. Additional analysis of population demographics demonstrated that a number of Pinelands municipalities have a high concentration of senior residents. A census block group level analysis determined that a somewhat higher percentage of senior citizens live in the portion of Pinelands municipalities that lies outside the boundary compared to the portion inside the boundary. A new supplemental variable introduced this year shows that the student population in the Pinelands is increasing at a rate two and a half times that of the Non-Pinelands for the period 2002-2005.

Results in the area of property values and residential development reflect the healthy, national real estate market in 2005. On average, more building permits continue to be issued in Pinelands municipalities than all other regions of the state. However, building permit activity decreased for the second consecutive year in the Pinelands in 2005 while remaining relatively flat in the Non-Pinelands. Unlike in 2004(when the drop was concentrated in a few large municipalities), closer examination of the data reveals that this year's decline in activity was more uniform across the region. Most building permits were issued along the northern, eastern, and western edges of the Pinelands region where development pressures and permitted residential densities are greatest. Real estate transactions finally began to slow in 2005 after 8 consecutive years of rapid growth,

dropping between 7 and 8 percent across all regions. However, transactions in the Pinelands still managed to outpace the Non-Pinelands despite the decline, and the Pinelands share of Southern New Jersey's total transactions continued to increase. Similar to building permits, the bulk of home sales took place along the northern, eastern, and western edges of the Pinelands region. The inflation-adjusted median selling prices of homes increased substantially again this year, with the Pinelands recording its highest percent change in the monitoring period (since 1989). For the first time since 1991, the median sales price in the Pinelands was higher than in the Non-Pinelands (by 4.3%). As recently as 2001, Pinelands median sales prices were 7% lower than in the Non-Pinelands. Supplemental census block group data from the 2000 Census of Housing indicates that historically the area within the Pinelands boundary experienced a significant drop in housing construction from the 1970s to the 1980s, while the portion of the Pinelands municipalities that lie outside the boundary had the same level of home construction in the 1980s as in the 1970s. Both regions had an equal percentage of homes built during the 1990's. A new supplemental variable was added to this year's report to examine the real estate trends in the non-residential markets of Southern New Jersey. This new data shows that the Pinelands region attracted 4% more new non-residential space than the Non-Pinelands as recently as 2005.

Findings in the area of economic growth revealed a number of trends. After three consecutive years of modest increases in all regions of New Jersey from 2001 to 2003, unemployment decreased for the second year in a row in 2005. The unemployment rate dropped 0.4% in the Pinelands and 0.5% in the Non-Pinelands in 2004, finishing the year at 4.8% and 5.4% respectively. Both the Pinelands as well as the state as a whole (4.8% for 2005) continue to compare favorably to the national unemployment rate of 5.1%, while the Non-Pinelands region is slightly above the national rate. No new municipal data for employment, establishments, and wages was available this year, but previous analyses show that the Pinelands region has made significant gains in both employment and new establishments during the period from 1998 to 2003. The largest private employment sectors in Southern New Jersey in 2003 were retail, healthcare, and accommodation & food service. The US Census Bureau released its quintennial Census of Retail Trade for 2002 last year, and it showed per capita retail sales increasing by 20% in the Pinelands from 1997 to 2002. In contrast, statewide per capita sales increased only 6.8% over the same period and the Non-Pinelands essentially remained the same (+0.2%).

After dropping considerably in 2002, assessed farmland acreage rebounded slightly in 2003. Assessed acres in the Pinelands increased by 0.5% in 2003, while falling in all other regions. Farm acreage decreased in the Non-Pinelands in 2003 by 1.8% marking its eighth consecutive year of decline. Since one-year changes in acreage can be affected by seasonal factors such as weather and economic conditions, it is often more helpful to look at five year averages to confirm trends in agriculture. In this respect, somewhat more encouraging news came from the Census of Agriculture. According to the 2002 census, the seven Pinelands counties for the first time now account for more than half of the agricultural sales statewide. They continue to be relatively more efficient than the rest of the state, achieving this level of sales while comprising only 36% of acres farmed statewide. In addition, over the five-year period from 1997 to 2002, Pinelands counties increased their acres in farming by 2.3% while the remainder of the state experienced a 10.2% decline in farm acreage. After stalling for one year in 2003, cranberry prices resumed their recovery by posting a 14.5% increase in price in 2004. This marks the 4th time in 5 years that real cranberry prices have risen considerably. Utilized value for cranberries did drop however (-6%), as production decreased 18% for the year. The blueberry industry saw relatively little

change in 2004, as prices remained the same for the third straight year while production decreased very slightly (-3.0%).

Monitoring in the municipal finance category indicates that the Pinelands financial picture remains relatively strong compared to the rest of South Jersey. Historically, average residential tax bills and effective property tax rates have been lower in the Pinelands than the remainder of the State, and new data reinforces the positive gap between property taxes in the Pinelands region versus other regions. The average residential property tax bill grew at a slower rate compared to the Non-Pinelands during the period 1983 to 2004, but this trend did not continue in 2005 (Pines +4.0% vs. 0.4% for the Non-Pines). However, average total residential tax bills are still almost \$600 lower in the Pinelands than in the Non-Pinelands in 2005. Equalized property values rose in all regions of the state for the eighth consecutive year in 2005, with the Pinelands region registering an increase of 16.0% in comparison to an increase in the Non-Pinelands of 15.2% for the year. Fueled by surging home values, effective tax rates fell for the fifth consecutive year in 2005 across all regions. The Pinelands has experienced the steepest decline of any region over the last 5 years with effective tax rates dropping 23% for the period. Data on local municipal purpose revenues indicated that the local municipal budgets of both the Pinelands municipalities and the Non-Pinelands municipalities increased by 5% in 2005, and that per capita revenues remain much lower in the Pinelands. State aid to the Pinelands increased by 1% in 2005 while dropping by 1% in the Non-Pinelands region. Finally, new statistics collected for 2005 continue to show that the Pinelands have a greater percentage of valuation in the vacant and residential categories than the Non-Pinelands region. The percentage of valuation in the vacant category continued to decrease, while the percentage in valuation in the residential category continued to increase.

In addition to ongoing data collection and analysis, special studies represent the second major component of the economic monitoring program. Because the overall trends tracked by the Long-Term Economic Monitoring Program can mask the conditions of individual municipalities, the program's second special study focuses on characterizing and identifying municipalities that are experiencing poor fiscal health. Although difficult to define, poor fiscal health can be described as being below a given standard with respect to municipalities' social, economic, physical, and fiscal conditions. The project is being administered by Pinelands Commission staff and conducted in consultation with the Pinelands Municipal Council. The final report for the project may provide a basis for legislation to allocate special aid to the most strained towns. Another study is focusing on changes in the sale price and value of vacant developable land within the Pinelands. A large database of transactions covering the years 1989 through 2002 has been assembled and analysis is ready to begin.

1. Introduction

1.1 The Long Term Economic Monitoring Program

The Pinelands National Reserve was established in 1978 and is the nation's first federal reserve. It covers an area of over one million acres in the heart of southern New Jersey. The Pinelands Comprehensive Management Plan (CMP) was adopted in 1980 and manages land use activities at regional and local levels. A blend of federal, state, and local programs is responsible for safeguarding the environmental and cultural resources of the region. Of particular importance to the regional economy are land use policies and controls included in the CMP and implemented by municipalities that significantly limit development in designated Preservation, Forest, and Agricultural management areas and encourage development in other districts, particularly Regional Growth and Town Areas. These growth areas tend to be located in and around already developed areas, many of which have access to central sewer systems and other infrastructure. Recent studies have suggested that the CMP has been successful in steering growth away from conservation areas towards growth areas.

Of major interest to landowners, residents, and businesses in the region is the economic impact of the regulations on land values, real estate markets, local government finances, and the economic performance of farms and businesses. A number of studies have been conducted since the inception of the CMP in 1980 that have addressed these issues (see Appendix A). These efforts, while directed at measuring the short-term impacts of the CMP, have recognized the importance of monitoring economic and fiscal impacts over the long term.

As part of its second full review of the CMP, the Commission convened a panel of economic experts in 1992 to review the prior studies and develop recommendations for future Commission efforts. Later that year, the Commission formally endorsed the panel's recommendation to monitor the region's economy on a continuing basis. Consequently, the Pinelands Commission prepared a proposal (July 1994) to the National Park Service (NPS) to institute a long-term economic monitoring program, which was incorporated into a September 1994 Cooperative Agreement between the two agencies.

The New Jersey Pinelands Commission Long-Term Economic Monitoring Program First Annual Report was released after three years of planning in 1997. The document, the first in a series of annual reports, presented data and described trends for key indicators in the areas of property values, economic growth, and municipal finance. The First Annual Report and its accompanying Executive Summary also identified potential topics for future study. Subsequent annual reports updated most of the data in the First Annual Report. This 2006 Annual Report is the tenth in the series and augments most of the data used to develop the previous reports but also includes a variety of information not found in previous reports. A copy of the 2006 Annual Report is available on CD-ROM by writing to the Pinelands Commission at P.O. Box 7, New Lisbon, NJ, 08064. The report will be available on the Pinelands Commission World Wide Web site at http://www.nj.gov/pinelands.

1.2 Program Goal and Objectives

The fundamental goal of the Long-Term Economic Monitoring Program for the Pinelands is to continually evaluate the health of the economy of the Pinelands region in an objective and reliable way. The economic monitoring program, in conjunction with an ongoing environmental monitoring program, provides essential information for consideration by the

Long Term Economic Monitoring Program

¹ See "Managing Land Use and Land-Cover Change: The New Jersey Pinelands Biosphere Reserve" by Walker and Solecki, *Annals of the Association of American Geographers*, 89(2), 1999, p. 220-237.

Pinelands Commission as it seeks to meet the mandates set forth in the federal and state Pinelands legislation.

The program was designed to accomplish several principal objectives:

- 1. Address key segments of the region's economy while being flexible enough to allow for the analysis of special topics that are identified periodically;
- 2. Establish a means for comparing Pinelands economic segments with similar areas in the state not located within Pinelands designated boundaries;
- 3. Establish a means for evaluating economic segments over time so that Pinelands-related trends can be distinguished from general trends;
- 4. Provide for analyses to be conducted in an impartial and objective manner; and
- 5. Be designed and implemented in a cost-effective manner so that the program's financial requirements can be sustained over time.

These objectives are accomplished by two means: through the publication of an annual report of indicators, and through the commissioning of periodic special studies. The annual report takes the "temperature" of the regional economy, while special studies take a more indepth look at specific topics. The following two chapters outline the structure and design of both components.

1.3 Program Administration

The development and implementation of the Long-Term Economic Monitoring Program is a collaborative effort. Under the terms of the cooperative agreement with the National Park Service (NPS) the Commission receives funding for personnel and other resources, including a full-time economist, managerial, and technical support staff (GIS staff and others on an asneeded basis), expert consultants, data acquisition, equipment, and informational materials. The NPS also can provide oversight and substantive input on an ongoing basis through its own Technical Advisory Committee.

The Commission staff members have primary responsibility for the day-to-day implementation of the program, including acquisition and analysis of data; coordination with the NPS, expert advisory committee, and public; and development of all reports and other products. Perhaps most importantly, the Commission will consider the results of these monitoring efforts as it identifies the need for in-depth economic studies and continues to refine and improve Pinelands protection policies. The data will also be used for other Commission analyses and independent efforts.

A technical advisory committee was created by the Pinelands Commission to provide informed and objective input on an ongoing basis. Committee members have helped to ensure that the program meets appropriate technical standards by assisting in identifying and specifying variables to be monitored, developing the detailed design, implementing appropriate methodologies, interpreting results, and reviewing draft documents. Current members of the expert advisory committee are:

John E. Petersen, Ph.D., Professor of Public Policy and Finance, George Mason University Henry O. Pollakowski, Ph.D., Professor, Center for Real Estate, Massachusetts Institute of Technology

2. Annual Reports

2.1 Data Categories

Ongoing data collection and analysis involves continual monitoring of key economic indicators to establish a historical basis for trend comparison and enables analysis of Pinelands activity in relation to regional and statewide patterns. The ongoing reporting of data will allow the Commission to target topics for in-depth research to determine the basis of economic well being of Pinelands communities and potential cause-and-effect relationships. Data for key variables are collected annually when possible and provide information essential to an understanding of the character of the Pinelands economy. In general, these data are collected from secondary sources. The annually updated data are considered to be the core variables of the report.

The first annual report included a provision for adding supplemental data, and this provision was used for the first time in the 2003 annual report. The 2006 annual report continues this trend with the introduction of some new supplements. Supplemental variables provide valuable information and insight into the Pinelands and regional economy, but are not considered core variables because they are not updated regularly. For instance, the US Census data is extremely valuable but since it is only updated every ten years most of it cannot be considered core. If reliable data can be obtained for a sufficient period of time, supplemental variables can become core in the future.

2.2 Core Variables Selected for Long-Term Monitoring

Four primary areas of inquiry are monitored: population and demographics, land and housing values and residential development, the business climate and commerce of the region, and the fiscal health of municipalities. Within each of these areas, several core variables are monitored. Collectively, these variables provide insight into the overall health of the Pinelands' economy; individually, they offer detailed information on specific features of interest. Table 2.2 identifies the monitoring period, frequency of collection, and method of analysis for the core variables tracked for this report. Each of the variable groups is described below.

Population and Demographics

This section examines basic information regarding the population of Southern New Jersey and the Pinelands that is necessary for any economic or geographic analysis. The core variables in this section are: population at the municipal and census block level, population change, age demographics, and annual population estimates. Population growth drives both consumer demand and reflects labor supply, and therefore is an extremely important indicator of economic growth. Age demographics affect the level and type of municipal services provided and influence housing markets.

Property Values and Residential Development

At the heart of many of the controversies generated by the implementation of the Pinelands land use regulations is the issue of land values. To the extent that development controls affect the value of land, current and prospective landowners will be affected, as will tax ratables associated with vacant land. This group of variables identifies trends in development pressures and measures the differences in values of housing and land in different areas of the region. The value of property depends in part on the permitted use that yields the highest rate of return to the owner, often called "the highest and best use." Permitted uses on vacant land

and farmlands in many parts of the Pinelands have been limited significantly and therefore land prices may be adversely affected.

In addition, land use regulation may also affect the value, type and supply of housing and other development activities. For example, the implementation of the CMP has the potential to increase housing prices, both through a reduction in supply in certain areas and by providing a permanent amenity to residents of the region. Conversely, other factors, such as declining or shifting job markets, if they exist, may cause housing price decreases. Building permits, median selling price of homes, and volume of residential real estate transactions are the three variables tracked annually for this variable group. A special study of vacant land values is also being conducted; further explanation can be found in the special studies section of this report.

Economic Growth

The observation of trends in indicators that are directly tied to the prosperity of a region's residents is central to the measurement of the economic well being of the region. As such, monitoring of employment, income, and the business climate is essential to this program. This group of variables measures the prosperity and viability of business in the region. Tracking economic growth variables over time and comparing them across regions may show differences and indicate areas for special study. To the extent that the CMP has had an effect on the regional economy, there will be both direct and indirect (multiplier) impacts on employment and wages. Impacts (positive or negative) may be substantially different across business sectors.

Seven economic growth variables are tracked annually for this report: retail sales per capita; per capita income; unemployment; employment, establishments, and wages; and agriculture (including farmland assessed acreage, census of agriculture data, and blueberry and cranberry production).

Municipal Finance

The long-term monitoring of municipal fiscal trends is interesting for several reasons. As discussed in previous studies, Pinelands regulations have affected vacant land assessments in some municipalities (see, for example, *Economic & Fiscal Impacts of the Pinelands Comprehensive Management Plan*, New Jersey Pinelands Commission, 1983 and 1985). In all but one case, however, the short-term impact on tax rates was relatively minor. Public acquisitions of land in a few municipalities have also resulted in a loss of tax ratables. While these problems were mitigated in the short-term by state reimbursement programs, their longrange impacts should be evaluated.

The level of development in a municipality also affects both municipal ratable bases and expenditures for public services and facilities. Development is associated with growth in ratables, although capital and operating costs for schools, roads, and other public facilities will also increase. Whether development results in a net fiscal benefit or cost to the community depends in large part on the type of development (e.g., commercial, industrial, apartments, single-family houses, or retirement communities). Density may also have an effect.

Data is obtained from the New Jersey Department of Community Affairs (DCA), Division of Local Government Services, which publishes property tax information on an annual basis. Four variables are tracked annually for this variable group: average residential property tax bill, state equalized valuation (total value of taxable property), effective tax rate, and assessment class proportions in municipal tax revenues.

Table 2.2 Summary of Core Variables in Annual Report

Table 2.2 Summary	of Core Variables Years	Years	Frequency	Method of
Name	Collected	Added ³	of Collection	Analysis
Municipal Population	1980, 1990, 2000	None	Decennial	Inside/Outside Pinelands
Census Block Population	1990, 2000	None	Decennial	Census Block, Inside/Outside Pinelands Boundary
Age Demographics	1980, 1990, 2000	None	Decennial	Inside/Outside Pinelands, Census Block Group (2000)
Population Estimates	2001-2004	2004	Annual	Inside/Outside Pinelands
Building Permits	1980-2005	2005	Annual	Inside/Outside Pinelands
Median Selling Prices of Homes	1988-2005	2005	Annual	Inside/Outside Pinelands
Volume of Real Estate Transactions	1988-2005	2005	Annual	Inside/Outside Pinelands
Retail Sales & Establishments	1992, 1997, 2002	None	Quintennial	County, Place
Income	1979, 1989, 1999	None	Decennial	Inside/Outside Pinelands
Unemployment	1980-2005	2005	Annual	Inside/Outside Pinelands
Employment	1993-1999, 2003 (municipal level)	None (county level)	Annual	Inside/Outside Pinelands (93-99), County (91-02)
Number of Establishments	1993-1999, 2003 (municipal level)	None (county level)	Annual	Inside/Outside Pinelands (93-99), County (91-02)
Payroll by Major Industry Sector	1993-1999, 2003 (municipal level)	None (county level)	Annual	Inside/Outside Pinelands (93-99), County (91-02)
Farmland Assessed Acreage	1980-1984, 1986-2003	2003	Annual	Inside/Outside Pinelands
Agricultural Census Data	1982, 1987, 1992, 1997, 2002	None	Quintennial	County
Blueberry and Cranberry Production	1972-2004	2004	Annual	State
Average Residential Property Tax Bill	1983-2005	2005	Annual	Inside/Outside Pinelands
Equalized Property Value	1980-2005	2005	Annual	Inside/Outside Pinelands

Data acquisition is based on the availability of data. An effort is made to acquire data for every year available from 1980 to the present.

Refers to addition from previous report and specifies which years of data are new in this update.

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Name	Years Collected ²	Years Added ³	Frequency of Collection	Method of Analysis
Effective Tax Rate	1980-2005	2005	Annual	Inside/Outside Pinelands
Assessment Class Proportions in Municipal Valuation	1980-1994, 2002-2005	2005	Annual	Inside/Outside Pinelands
Local Municipal Purpose Revenues	1995-2005	2005	Annual	Inside/Outside Pinelands

2.3 Supplemental Variables

Two supplemental variables have been added to the annual report this year: one in the Population and Demographics section and one in the Property Values and Residential Development section (Table 2.3a). Supplemental variables provide valuable information and insight into the Pinelands and regional economy, but are not tracked annually as core variables because they are not updated regularly. If the data is viable and a sufficient time series can be obtained, supplements could become core.

The first of the new supplements listed below measures the change in school student population over the most recent three year period for which data is available (2002-2005). A large percentage of municipal property taxes in recent years has been devoted to the costs associated with new schools, and this has been of particular interest to those Pinelands municipalities that are experiencing rapid growth in their school aged population. A number of Pinelands communities have been among the fastest growing in South Jersey in recent years in regards to new school children. The second new supplement below is actually an extension and summary of three of last year's new supplemental variables (Table 2.3.b). For this year, the second new supplement uses the square feet of <u>all</u> new non-residential certificates of occupancy to measure the relative strength of the entire non-residential real estate market in South Jersey.

Table 2.3a Summary of Supplemental Variables in the 2006 Annual Report

Name	Source	Years Collected	Method of Analysis
School Student Population	NJ Dept of Education	2002, 2005	Inside / Outside
			Pinelands
Certificates of Occupancy	NJ DCA Division of	2005	Inside / Outside
for Non-Residential Uses	Codes and Standards		Pinelands

Table 2.3b Summary of Supplemental Variables in the Previous (2005) Annual Report

Name	Source	Years Collected	Method of Analysis
New Retail Space in	NJ DCA Division of	1996-2003	Inside / Outside
Square Feet	Codes and Standards		Pinelands
New Office Space in	NJ DCA Division of	1996-2003	Inside / Outside
Square Feet	Codes and Standards		Pinelands
New School Space in	NJ DCA Division of	1996-2003	Inside / Outside
Square Feet	Codes and Standards		Pinelands
Certificates of Occupancy	NJ DCA Division of	1996-2003	Inside / Outside
	Codes and Standards		Pinelands

2.4 Geographic Scale: Defining the Pinelands

Concise definitions of the various levels of geography used in this report can be found on page 14, which is the first page of the indicators section. This section provides a detailed geographical description and definition of the "Pinelands" which is used in this report.

The state designated Pinelands Area encompasses portions of seven counties in Southern New Jersey: Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester, and Ocean. There are 53 municipalities that have part or all of their land in the Pinelands. Most of the variables monitored in the report are obtained at the municipal level, since this is typically the most precise level of geography available. Municipal values are aggregated into Pinelands and Non-Pinelands regions, based on a "10% rule." Any municipality with at least 10% of its land in the Pinelands area is considered to be in the Pinelands region, and all remaining

municipalities in southern New Jersey (those located in the seven counties mentioned above, plus Salem County) are considered to be Non-Pinelands municipalities. Of the 53 municipalities completely or partially located in the Pinelands Area, 47 were classified as inside, while six⁴ were classified as outside, joining the remaining 149 municipalities located entirely outside the Pinelands. In summary, the term "Pinelands," as used in this report, refers to 47 municipalities that have at least 10% of their land in the state-designated Pinelands Area, while the term "Non-Pinelands" refers to the remaining 155 municipalities of Southern New Jersey.

While the aggregate method used in this report is the best currently available, it is not ideal. Many municipalities are split by the Pinelands boundary, so activities and phenomena present outside the Pinelands boundary are counted as occurring inside the Pinelands. In some cases areas inside a Pinelands municipality, but outside the Pinelands boundary, are growing rapidly. This growth can distort the Pinelands aggregate, indicating that the Pinelands is growing rapidly, while in reality much of the growth is occurring just outside of the Pinelands boundary.

Obtaining data at a sub-municipal level circumvents this problem. For instance, the population for each Pinelands municipality was calculated at the block level, to obtain population counts for areas of Pinelands municipalities inside and outside the Pinelands boundary. The results of the count showed that approximately 277,000 people lived inside the Pinelands boundary, while approximately 413,000 people lived outside the boundary, but within Pinelands municipalities. Population growth between 1990 and 2000 was 5.5% inside the boundary, and 14.3% outside the boundary within Pinelands municipalities. Clearly, the Pinelands aggregates are including a fair amount of Non-Pinelands activity. Additional data at the census block and census block group level is being sought. Other methods of obtaining sub-municipal data are also being explored, such as using GIS to pinpoint variables with address information to streets, so an inside / outside boundary count can be made. For variables where sub-municipal census data is available, the terms "Pinelands Municipal Area Inside the Boundary," and "Pinelands Municipal Area Outside the Boundary," are used to refer to the areas of Pineland's municipalities that are split by the state-designated Pinelands boundary.

Despite these limitations, the Inside / Outside Pinelands municipal aggregate system is currently the most viable method for comparing the Pinelands to the Non-Pinelands regions based on data currently available. The census block analysis revealed that certain municipalities with as much as 30% of their land in the Pinelands had practically no residents in the Pinelands. Analysis has shown that altering the 10% percent rule in favor of a 20, 25 or 30% rule yields no significant difference in the value of the aggregates. Strictly identifying whether an activity is occurring inside or outside of the boundary may be unnecessary to some extent, as economic activity occurs regardless of where boundaries exists. Areas inside and outside of the boundary interact economically with each other, and both interact with other regions. Consequently, this report retains the 10% rule to define inside and outside municipalities.

Municipal level data is unavailable in certain cases. The Agricultural Census and Retail Census are restricted to county level data. For the Agricultural Census data, Pinelands counties (Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester, and Ocean) are compared to Non-Pinelands counties (Salem plus the thirteen counties of North Jersey). For the Retail Census and Covered Employment data (employment, establishment, and wages), information is presented for the eight Southern New Jersey counties along with totals for the entire state. Because county-level data are necessarily limited in the amount of geographic information they can convey, a chart showing the contribution of each county to Pineland's acreage is provided in Appendix B to aid in interpretation whenever county data are presented. Blueberry and

⁴ The six are: Corbin City, North Hanover Township, Springfield Township, Berlin Borough, Vineland City, and Dover Township.

cranberry production data are available only at the state level, but since these crops are found almost exclusively within the Pinelands, statewide figures provide ample information for the purposes of this analysis.

2.5 Presentation of Data

Data in the annual report is arranged by variable, grouped into four main sections. Each core variable is designated by section (population, real estate, economy, and municipal finance) and by number. When a new section begins, numeration restarts at 1. For instance, there are population variables 1 through 4, Real Estate variables 1 through 4, etc. Numbers followed by an "S" indicate supplemental variables. Supplemental variables always appear at the end of a section. A checkbox in the upper right hand corner of the page indicates whether a variable was updated since the last report. A variable is considered updated if additional years of recent data were added or further analysis of previous data was conducted.

Pinelands and Non-Pinelands aggregates are charted, along with Southern New Jersey and state averages. Data is obtained as far back as 1980, when possible. In most cases, averages for each region are calculated by averaging the values for all municipalities in the region. In a few instances values are not averages but are sums for the region. For example, retail establishments per capita for each region is calculated by dividing the total population of the region by the total number of establishments in each region. It is not calculated by averaging the ratio of each municipality to get a regional average.

Data is presented by Pinelands municipality for some variables in the form of tables, and certain variables are mapped for all of Southern New Jersey. While the aggregates provide a regional picture, the tables and maps illustrate the degree of variation that exists among the municipalities. Tables display and sort data for the 47 "inside" municipalities, and record data for five of the "outside" municipalities separately at the bottom of the table. The sorting column(s) for each table vary and are indicated by a shaded column heading. Tables and graphs embedded in the text are not enumerated.

Variables in the Annual Report that describe monetary amounts are adjusted for inflation using the Consumer Price Index (CPI-U) from the U.S. Bureau of Labor Statistics, shown in 2005 dollars. This is an update from the 2004 annual report, where variables were keyed to the 2004 CPI. Only sections that received a substantial update this year (as indicated by a check mark in the upper right hand corner "Update" box) have been adjusted to the 2005 CPI. Variables in the Fact Book are not inflation adjusted, as the purpose is to display the most recent information available and not to monitor change over time.

Indexes were derived for many variables in this report. Indexing is a common technique for characterizing economic time series data and measures how variables change over time. Change is measured relative to a pre-selected base period. In this report, the base period selected is usually the first year that data for the variable are available. As an example, if 1988 were selected as the base period for housing transactions, the 1988 index number for housing transactions would be 1.00. The remaining index numbers are calculated by dividing each year's total housing transactions by total 1988 housing transactions. A 1999 index number of 1.10 indicates that 1999 housing transactions are 10% greater than 1988 levels. Portraying multiple indexes for different regions on one graph enables easy comparison of relative changes among those groups.

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⁵ See "Unit of Analysis" for each variable to ascertain whether municipal averages or regional sums are used.
6 The five municipalities counted as "outside" the Pinelands in this report have between one and ten percent of their land in the Pinelands. Dover Township is excluded, as less than ½ of one percent of its land is in the Pinelands.

The Municipal Fact Book was a new addition to the 2002 Annual Report, and was significantly updated and enhanced for the 2003 and 2004 reports. The 2006 Report uses the same format with a few minor changes. Economic data are arranged by Pinelands municipality rather than by variable, in order to provide a better understanding of the unique economic characteristics of each municipality. The fact sheets are arranged alphabetically by county, then by municipality. Variables for each municipality are listed beside the average value for all municipalities in Southern New Jersey and the municipality's rank for that variable among the 202 municipalities in Southern New Jersey. Additional information, such as census block data, population graphs, and map of development zones, is also provided. Fact sheets for each of the Southern New Jersey counties are also included again in this year's report. The county sheets use the same format as the municipal sheets, with county values displayed beside the average Southern New Jersey County value and the county's rank among the eight counties.

The fact book is located in Appendix G. Additional resources in the appendix include: a list of reference materials, a table of Pinelands and southern New Jersey acreage by county, a map showing place names for all 202 towns in southern New Jersey, a description of Pinelands Management Areas, a map of Pinelands Management Areas, and a map of housing unit construction trends at the block group level from the 1940s to the 1990s.

3. Special Studies

Special studies represent the second major component of the monitoring program. Studies may be initiated in any year of the program. The ongoing data program will be highly instructive in selecting topics for special study to provide an in-depth examination on apparent differences between Pinelands and Non-Pinelands economic trends. Special studies may also provide an opportunity to augment ongoing data collection should a need be identified for primary (rather than secondary) data or for more geographically specific data.

First Study: Value-Added Blueberry Products (Complete)

The blueberry study was a partnership between Cook College at Rutgers University, the Pinelands Commission (supported through the National Park Service), and New Jersey's blueberry growers for the purpose of boosting the blueberry industry by creating a value added product. The study was successfully completed in November 2001, and a detailed explanation of the project can be found in the 2001 Annual Report. Development and marketing of value-added blueberry products will continue indefinitely through Blueberry Health, Inc. Blueberry Health buys blueberry pulp for products from New Jersey farmers, and reinvests its profits in blueberry research and product development.

Second Study: Indicators of Municipal Health (Underway)

At its September 1999 meeting, the Pinelands Municipal Council unanimously recommended that the Long-Term Economic Monitoring Program conduct a special project to identify and characterize municipalities experiencing poor health. Although difficult to define, poor municipal health can generally be described as being below a given standard with respect to municipalities' social, economic, physical, and fiscal conditions. The project is being administered by Pinelands Commission staff and conducted in consultation with the Pinelands Municipal Council.

In November 1999, the Pinelands Commission authorized the project as the second special study. The goals of the project are to: 1) produce a database of indicators that are reflective of municipalities' social, economic, physical, and fiscal conditions; 2) produce an objective, systematic and repeatable model which identifies municipalities that are experiencing poor health using the database of indicators; 3) select economically challenged communities using the results from the model; and 4) develop methods to calculate financial aid and/or other resources that may alleviate the degree of strain in the identified municipalities.

In January 2001, a short questionnaire was administered to municipal officials (i.e., mayors, CFO's, administrators, council members, etc.) of 36 municipalities. The questionnaire was designed to reveal municipal officials' opinions on indicators of fiscal health and on ways to measure and compare fiscal health among municipalities. In general, the results of the questionnaire suggest that the most pressing municipal health concerns of the Pinelands municipalities relate to a healthy tax base (i.e., a mix of commercial, industrial, and residential land), tax rates, and school costs. These themes are being examined more closely during the course of this project.

The preliminary design of the study consists of two parts. The first part focuses on a Pinelands and Non-Pinelands analysis of fiscal indicators. Based on responses from the

⁷ All municipalities with at least 50% of their land within the Pinelands were included (33 municipalities) plus three additional municipalities which requested to be included.

questionnaires and the availability of data, a number of variables were examined including unemployment rates, tax rates, income levels, and the level of commercial and industrial ratables. The second part of the study identifies Pinelands towns that are most in need of fiscal assistance, and will design a corresponding funding model.

A preliminary final draft for this study was presented to the Public and Governmental Programs Committee of the Pinelands Commission in June 2006. The final model to measure fiscal stress uses principal components analysis to arrive at a single fiscal stress number for all 566 municipalities in New Jersey. Principal components analysis is an objective statistical approach that combines several different variables into a single measurement (in this case, overall fiscal health). This method has been challenged and upheld in New Jersey courtrooms and is the basis upon which the NJ Department of Education assigns district factor groups that are used in state testing analysis. Preliminary findings show that the most severely stressed municipalities in the Pinelands region do rank among the top 10% of municipalities statewide in regards to fiscal stress.

Special Project: Vacant Land Value Study (Underway)

While not an official special study, the vacant land value project is an extension of the property value and real estate monitoring aspect of the annual report. In September 1999, Pinelands Commission staff obtained data from the New Jersey Department of Treasury on all New Jersey land and housing transactions dating back to 1989. Vacant land transactions were supplemented with additional information in order to enhance the usefulness of the data in determining the value of vacant land. Pinelands Commission staff gathered supplemental data for each vacant land transaction (i.e., acreage, zoning, management area, and more). The supplemental data was gathered from tax maps as well as other available data sources. Data collection culminated in 2003. A formal database was created and cleaned in order to reconcile errors and fill in missing data. The database contains approximately 5,700 records of transactions inside the Pinelands boundary and 16,000 records outside the Pinelands boundary from the years 1989 through 2002. Statistical analysis of the data is presently being conducted. Data collection of vacant land transactions will continue in the future.

Special Project: Housing Task Force

In October of 2003, the Pinelands Commission formed a Housing Task Force in order to update housing demand estimates in the Comprehensive Management Plan. The Economic Monitoring Program has been an integral part of the process, through analysis of population data, the collection and evaluation of population projections, estimating future housing units, defining and calculating vacant developable land using land use and land cover data, and allocating future population and housing to Pinelands development areas based on vacant land. The Task Force is expected to issue its final report by February 2007.

As part of this process, a *Pinelands Population Reference Guide* was created in order to gather population and housing data for the Pinelands for a range of geographic scales from 1970 through 2000 into one document. The reference guide is available on the Long-Term Economic Monitoring Program's 2004 Annual Report CD-ROM.

Special Project: Pinelands Development Credit Supply & Demand Study (Underway)

In the Fall of 2005, the Pinelands Commission staff began a reexamination of the effectiveness of the Pinelands Development Credit (PDC) program. The PDC program is an integral tool in the implementation of the Comprehensive Management Plan. In order to facilitate the process of directing growth to appropriate areas in the Pinelands region, the PDC

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program was established to create a market for development rights in the Pinelands. Owners of properties in designated sending areas are afforded the opportunity to "sever" their development interests in their properties and sell those rights to land developers in receiving areas. The developers then use these rights to expand their allowable development densities in regional growth areas, thus directing growth from preservation areas to more suitable growth areas. The owners of land in preservation areas are thus compensated monetarily in exchange for deed-restricting their land from future development.

Since the PDC program is market-driven, its ultimate success depends upon a healthy balance between supply and demand pressures in the land development market in the Pinelands. Initially, the PDC program was slow to be utilized by both developers and land owners in the region. However, in recent years there has been quite a bit of activity in the PDC market, with the price of a development right rising from an initial value of \$2,500 in 1981 to about \$30,000 as recently as 2005.

This study is a comprehensive review of what has worked well to this point, in addition to examining new ideas on how to further stimulate use of PDC's in the coming years. The study is scheduled to be completed by the fall of 2007.

NJ Pinelands Commission Long-Term Economic Monitoring Program 2006 Annual Report of Indicators

Geographic Definitions

State-Designated Pinelands Area: area designated by The Pinelands Protection Act. This is the state-designated area under the jurisdiction of the Pinelands Commission.

Pinelands National Reserve: area designated by The National Parks and Recreation Act of 1978. This is the federally designated area that includes the state-designated area plus areas under CAFRA and DEP jurisdiction. This report focuses on the state-designated area only.

Pinelands: 47 municipalities in southern New Jersey that have at least 10% of their land within the state-designated Pinelands area.

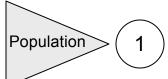
Non-Pinelands: the remaining 155 municipalities in southern New Jersey that have less than 10% of their land in the state-designated Pinelands area (6 municipalities have between 0.1% and 9% in the Pinelands, the remaining 149 have no land in the Pinelands).

Southern New Jersey. the Pinelands municipalities plus the Non-Pinelands municipalities (47 + 155 = 202 municipalities total). Defined as the counties of Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester, Ocean, and Salem.

State of New Jersey. data for the state as a whole that includes southern (202 municipalities) and northern (364 municipalities) New Jersey (566 municipalities total).

Pinelands Municipal Area Inside the Pinelands Boundary. all census blocks or census block groups that have their geographic center within the state-designated Pinelands boundary. Provides the most accurate measure of Pinelands activity. Available in limited instances.

Pinelands Municipal Area Outside the Pinelands Boundary. all census blocks or census block groups that have their geographic center outside the state-designated Pinelands boundary, but within a municipality that has at least 1% of its land within the state-designated Pinelands boundary. Available in limited instances.



Population



US Census Bureau 1980, 1990, 2000

 Population Growth in Pinelands municipalities outpaced Non-Pinelands municipalities between 1980 and 2000.

Population 1980 - 2000

	1980	1990	2000	Change 1980-1990	Change 1990-2000	Change 1980-2000
New Jersey	7,365,011	7,730,188	8,414,350	5.0%	8.9%	14.2%
South Jersey	1,854,074	2,083,938	2,263,516	12.4%	8.6%	22.1%
Non-Pinelands	1,430,609	1,534,417	1,647,532	7.3%	7.4%	15.2%
Pinelands	423,465	549,521	615,984	29.8%	12.1%	45.5%

<u>Description</u>: Population data is useful both as an indicator of demand for housing and for private and public goods and services, as well as for various per capita and per household calculations.

<u>Unit of Analysis</u>: Population data are compiled at the municipal level and aggregated to allow for inside/outside Pinelands, regional, and statewide analyses.

Summary of Previous Findings

The percentage increase in population was much higher in the Pinelands (30%) than outside (7%) from 1980 to 1990. Both areas surpassed the statewide increase in population of approximately 5% over the decade. A separate analysis of trends by county found that Atlantic County had the greatest differential between inside and outside growth rates from 1980-1990, which was most likely due to the start of casino gambling in Atlantic City and associated growth in nearby communities. The percentage increase in population was higher in the Pinelands than outside from 1990 to 2000 (although in absolute terms, population increased more outside the Pinelands over the same period); however, the disparity between inside and outside Pinelands annual growth rates decreased.

Population growth was higher in the Pinelands (12.1%) than all other regions of the state from 1990 to 2000. As figure P1 illustrates, population growth was highest in municipalities located along the edge of the Pinelands, especially those located in the northern and eastern regions. Stafford, Jackson, and Galloway grew the most in terms of percentages (see Table P1). However, a large portion of population growth in these towns occurred outside the Pinelands boundary (see next section on population by census block group).

An examination of group quarters population adds additional insight to population change within certain Pinelands municipalities. Persons living in group quarters (i.e. housing where unrelated persons live together) are classified as institutional (prisons and mental hospitals) and non-institutional (military bases, colleges and universities, nursing homes, and shelters). Several municipalities have been impacted by changes in group quarters population, which distorts the actual change in the number of residents. Practically all of Woodland's population decrease (826 persons out of 893) was due to a decrease in the institutional population. The population of Washington decreased while the number of persons in group quarters increased, masking the "actual" decrease in residents. Maurice River's increase can almost entirely be attributed to an increase in the institutional population, while Woodbine experienced a decrease in institutional population that masks a larger non-group quarters increase.

In New Hanover, the number of persons in non-institutions (military base) decreased by 5,035 people, while the number of people in institutions (prison) increased by 4,225 people. The number of persons not in group quarters increased by 1,008, but since the military population declined so steeply, the official population change was only 198. Wrightstown and Pemberton Township had large population decreases and have a significant military presence but experienced little change in group quarters population in spite of base reductions. Military personnel in these towns may have lived off the military base and were thus not considered to be in group quarters.

10 Pinelands Boundary **Population Change** Source: US Census Bureau -80.5% - 0% Author: NJ Pinelands Commission 0.1% - 10% Date: 2003 10.1% - 40% 40.1% - 107.8%

Figure P1 Municipal Population Change (1990-2000)

Table P1a Population by Pinelands Municipality

	Table Fia		iation by Fil		pury	ιy		
Municipality	County	2000	1990	1980	Change 1990-00	Change 1980-90		
Stafford Twp.	Ocean	22,532	13,325	10,385	69%	28%		
Galloway Twp.	Atlantic	31,209	23,330	12,176	34%	92%		
Jackson Twp.	Ocean	42,816	33,233	25,644	29%	30%		
Hamilton Twp.	Atlantic	20,499	16,012	9,499	28%	69%		
Egg Harbor Twp.	Atlantic	30,726	24,544	19,381	25%	27%		
Barnegat Twp.	Ocean	15,270	12,235	8,702	25%	41%		
Plumsted Twp.	Ocean	7,275	6,005	4,674	21%	28%		
Evesham Twp.	Burlington	42,275	35,309	21,508	20%	64%		
Little Egg Harbor Twp.	Ocean	15,945	13,333	8,483	20%	57%		
Ocean Twp.	Ocean	6,450	5,416	3,731	19%	45%		
Dennis Twp.	Cape May	6,492	5,574	3,989	16%	40%		
Weymouth Twp.	Atlantic	2,257	1,957	1,260	15%	55%		
Winslow Twp.	Camden	34,611	30,087	20,034	15%	50%		
Lacey Twp.	Ocean	25,346	22,141	14,161	14%	56%		
Estell Manor City	Atlantic	1,585	1,404	848	13%	66%		
Upper Twp.	Cape May	12,115	10,681	6,713	13%	59%		
Shamong Twp.	Burlington	6,462	5,765	4,537	12%	27%		
Beachwood Boro	Ocean	10,375	9,324	7,687	11%	21%		
Medford Twp.	Burlington	22,253	20,526	17,622	8%	16%		
Monroe Twp.	Gloucester	28,967	26,703	21,639	8%	23%		
Manchester Twp.	Ocean	38,928	35,976	27,987	8%	29%		
Franklin Twp.	Gloucester	15,466	14,482	12,396	7%	17%		
Berkeley Twp.	Ocean	39,991	37,319	23,151	7%	61%		
Port Republic City	Atlantic	1,037	992	837	5%	19%		
Maurice River Twp.	Cumberland	6,928	6,648	4,577	4%	45%		
Hammonton town	Atlantic	12,604	12,208	12,298	3%	-1%		
New Hanover Twp.	Burlington	9,744	9,546	14,258	2%	-33%		
Southampton Twp.	Burlington	10,388	10,202	8,808	2%	16%		
Woodbine Boro	Cape May	2,716	2,678	2,809	1%	-5%		
Mullica Twp.	Atlantic	5,912	5,896	5,243	0%	12%		
Chesilhurst Boro	Camden	1,520	1,526	1,590	0%	-4%		
Egg Harbor City	Atlantic	4,545	4,583	4,618	-1%	-1%		
Eagleswood Twp.	Ocean	1,441	1,476	1,009	-2%	46%		
Buena Vista Twp.	Atlantic	7,436	7,655	6,959	-3%	10%		
Tabernacle Twp.	Burlington	7,170	7,360	6,236	-3%	18%		
Berlin Twp.	Camden	5,290	5,466	5,348	-3%	2%		
Bass River Twp.	Burlington	1,510	1,580	1,344	-4%	18%		
Waterford Twp.	Camden	10,494	10,940	8,126	-4%	35%		
Medford Lakes Boro	Burlington	4,173	4,462	4,958	-6%	-10%		
South Toms River Boro	Ocean	3,634	3,869	3,954	-6%	-2%		
Pemberton Twp.	Burlington	28,691	31,342	29,720	-8%	5%		
Folsom Boro	Atlantic	1,972	2,181	1,892	-10%	15%		
Buena Boro	Atlantic	3,873	4,441	3,642	-13%	22%		
Lakehurst Boro	Ocean	2,522	3,078	2,908	-18%	6%		
Washington Twp.	Burlington	621	805	808	-23%	0%		
Woodland Twp.	Burlington	1,170	2,063	2,285	-43%	-10%		
Wrightstown Boro	Burlington	748	3,843	3,031	-81%	27%		
"Outside" Municipalities*			5,546	0,001	U 170	-1 /0		
Corbin City	Atlantic	468	412	254	14%	62%		
Berlin Boro	Camden	6,149	5,672	5,786	8%	-2%		
Springfield Twp.	Burlington	3,227	3,028	2,691	7%	13%		
Vineland City	Cumberland	56,271	54,780	53,753	3%	2%		
North Hanover Twp.	Burlington	7,347	9,994	9,050	-26%	10%		

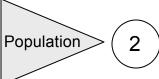
^{*}These five municipalities have land in the Pinelands but are counted as Non-Pinelands municipalities because less than ten percent of their land area is in the Pinelands. They are displayed for informational purposes in this and subsequent tables.

Table P1b 2000 Census Group Quarters Population

	I able F	10 200	o Census	Group &	tuai lei 5 F	Opulation	1	
Municipality	County	Population	Group Quarters	GQ %	Institution	Inst %	Non Institution	Non Inst %
New Hanover	Burlington	9,834	6,124	62.3%	4,846	49.3%	1,278	13.0%
Maurice River	Cumberland	6,928	3,360	48.5%	3,360	48.5%	0	0.0%
Washington	Burlington	579	179	30.9%	109	18.8%	70	12.1%
Woodbine	Cape May	2,716	568	20.9%	568	20.9%	0	0.0%
Chesilhurst	Camden	1,520	138	9.1%	88	5.8%	50	3.3%
Galloway	Atlantic	31,159	2,080	6.7%	0	0.0%	2,080	6.7%
Hamilton	Atlantic	20,499	1,041	5.1%	1,028	5.0%	13	0.1%
Winslow	Camden	34,659	1,112	3.2%	1,061	3.1%	51	0.1%
Dennis	Cape May	6,503	208	3.2%	155	2.4%	53	0.8%
Hammonton	Atlantic	12,604	348	2.8%	205	1.6%	143	1.1%
Estell Manor	Atlantic	1,592	33	2.1%	33	2.1%	0	0.0%
Waterford	Camden	10,485	207	2.0%	0	0.0%	207	2.0%
Manchester	Ocean	38,960	728	1.9%	546	1.4%	182	0.5%
Pemberton	Burlington	28,650	516	1.8%	378	1.3%	138	0.5%
Berkeley	Ocean	39,988	591	1.5%	223	0.6%	368	0.9%
Egg Harbor City	Atlantic	4,545	70	1.5%	35	0.8%	35	0.8%
Stafford	Ocean	22,517	293	1.3%	223	1.0%	70	0.3%
Buena Vista	Atlantic	7,436	94	1.3%	0	0.0%	94	1.3%
Medford	Burlington	22,253	255	1.1%	201	0.9%	54	0.2%
Wrightstown	Burlington	747	8	1.1%	0	0.0%	8	1.1%
Little Egg Harbor	Ocean	16,019	166	1.0%	166	1.0%	0	0.0%
Tabernacle	Burlington	7,170	72	1.0%	67	0.9%	5	0.1%
Jackson	Ocean	42,810	374	0.9%	360	0.8%	14	0.0%
Buena	Atlantic	3,873	33	0.9%	0	0.0%	33	0.9%
Barnegat	Ocean	15,285	127	0.8%	125	0.8%	2	0.0%
Ocean	Ocean	6,450	54	0.8%	0	0.0%	54	0.8%
Mullica	Atlantic	5,912	47	0.8%	0	0.0%	47	0.8%
Monroe	Gloucester	28,967	212	0.7%	155	0.5%	57	0.2%
Franklin	Gloucester	15,466	90	0.6%	0	0.0%	90	0.6%
Southampton	Burlington	10,333	61	0.6%	61	0.6%	0	0.0%
Port Republic	Atlantic	1,032	6	0.6%	0	0.0%	6	0.6%
Evesham	Burlington	42,428	185	0.4%	100	0.2%	85	0.2%
Berlin Township	Camden	5,290	19	0.4%	0	0.0%	19	0.4%
Folsom	Atlantic	1,972	7	0.4%	0	0.0%	7	0.4%
Egg Harbor Twp	Atlantic	30,619	49	0.2%	0	0.0%	49	0.2%
Lacey	Ocean	25,346	39	0.2%	26	0.1%	13	0.1%
Upper	Cape May	12,115	8	0.1%	0	0.0%	8	0.1%
Plumsted	Ocean	7,275	8	0.1%	0	0.0%	8	0.1%
Beachwood	Ocean	10,316	6	0.1%	0	0.0%	6	0.1%
Shamong	Burlington	6,462	2	0.0%	0	0.0%	2	0.0%
Medford Lakes	Burlington	4,173	0	0.0%	0	0.0%	0	0.0%
So. Toms River	Ocean	3,608	0	0.0%	0	0.0%	0	0.0%
Lakehurst	Ocean	2,522	0	0.0%	0	0.0%	0	0.0%
Weymouth	Atlantic	2,250	0	0.0%	0	0.0%	0	0.0%
Bass River	Burlington	1,552	0	0.0%	0	0.0%	0	0.0%
Eagleswood	Ocean	1,441	0	0.0%	0	0.0%	0	0.0%
Woodland	Burlington	1,160	0	0.0%	0	0.0%	0	0.0%
"Outside" Munis								
Vineland	Cumberland	56,271	2,393	4.3%	1,031	1.8%	1,362	2.4%
Berlin Borough	Camden	6,149	72	1.2%	18	0.3%	54	0.9%
Springfield	Burlington	3,227	7	0.2%	0	0.0%	7	0.2%
North Hanover	Burlington	7,325	0	0.0%	0	0.0%	0	0.0%
Corbin City	Atlantic	468	0	0.0%	0	0.0%	0	0.0%

 Table P1c
 Group Quarters Components of Population Change 1990-2000

Table	1 10 01	oup waai	arters components of Pop		opalation c		
Municipality	County	2000 Population	Pop Change 1990 – 2000	Institutional Change	Non- Institutional Change	Non-Group Quarters Change	Difference
New Hanover	Burlington	9,834	198	4,225	-5,035	1,008	810
Washington	Burlington	579	-184	86	70	-340	156
Woodbine	Cape May	2,716	38	-134	0	172	134
Pemberton Twp	Burlington	28,650	-2,651	6	103	-2,760	109
Lacey	Ocean	25,346	3,205	-121	13	3,313	108
Buena Vista	Atlantic	7,436	-219	0	85	-304	85
Winslow	Camden	34,659	4,524	-66	-14	4,604	80
Tabernacle	Burlington	7,170	-190	67	5	-262	72
Manchester	Ocean	38,960	2,952	180	-249	3,021	69
Shamong	Burlington	6,462	697	-70	2	765	68
Chesilhurst	Camden	1,520	-6	88	-22	-72	66
Medford		22,253	1,727	-93	-22 54	1,766	39
	Burlington						
Waterford	Camden Gloucester	10,485	-446	-152	186	-480	34
Franklin		15,466	984	0	-34	1,018	34
Buena	Atlantic	3,873	-568	0	16	-584	16
Mullica	Atlantic	5,912	16	-60	47	29	13
Monroe	Gloucester	28,967	2,264	-21	10	2,275	11
Estell Manor	Atlantic	1,592	181	-10	0	191	10
Folsom	Atlantic	1,972	-209	0	7	-216	7
Berlin	Camden	5,290	-176	0	6	-182	6
Weymouth	Atlantic	2,250	300	0	0	300	0
Bass River	Burlington	1,552	-70	0	0	-70	0
Medford Lakes	Burlington	4,173	-289	0	0	-289	0
Eagleswood	Ocean	1,441	-35	0	0	-35	0
Lakehurst	Ocean	2,522	-556	0	0	-556	0
South Toms River	Ocean	3,608	-235	0	0	-235	0
Ocean	Ocean	6,450	1,034	0	3	1,031	-3
Barnegat	Ocean	15,285	3,035	2	2	3,031	-4
Egg Harbor City	Atlantic	4,545	-38	-20	15	-33	-5
Port Republic	Atlantic	1,032	45	0	6	39	-6
Beachwood	Ocean	10,316	1,051	0	6	1,045	-6
Dennis	Cape May	6,503	918	-45	53	910	-8
Upper	Cape May	12,115	1,434	0	8	1,426	-8
Plumsted	Ocean	7,275	1,270	0	8	1,262	-8
Hammonton	Atlantic	12,604	396	-103	113	386	-10
Egg Harbor Twp	Atlantic	30,619	6,182	0	27	6,155	-27
Little Egg Harbor	Ocean	16,019	2,612	45	0	2,567	-45
Jackson	Ocean	42,810	9,583	63	-15	9,535	-48
Evesham	Burlington	42,428	6,966	-23	78	6,911	-55
Southampton	Burlington	10,333	186	61	-5	130	-56
Berkeley	Ocean	39,988	2,672	-296	361	2,607	-65
Wrightstown	Burlington	747	-3,095	0	-91	-3,004	-91
Galloway	Atlantic	31,159	7,879	-40	193	7,726	-153
Stafford	Ocean	22,517	9,207	118	70	9,019	-188
Maurice River	Cumberland	6,928	280	358	0	-78	-358
Hamilton	Atlantic	20,499	4,487	406	-37	4,118	-369
Woodland	Burlington	1,160	-893	-826	0	-67	-826
"Outside" Munis	Barmigton	1,100	-030	-020	0	-01	-020
Springfield	Burlington	3,227	199	-40	-17	256	57
Corbin City	Atlantic	468	56	0	0	56	0
North Hanover	Burlington	7,325	-2,647	0	-25	-2,622	-25
			· ·		-25 54	-2,622 405	-25 -72
Berlin Boro	Cumberland	6,149	477	18			
Vineland	Cumberland	56,271	1,491	-939	1,050	1,380	-111



Population – Census Block

Updated

US Census Bureau 1990, 2000

 Most of the population growth in Pinelands municipalities between 1990 and 2000 occurred outside of the Pinelands boundary.

Census Block Population

	1990	2000	Change
In Boundary	262,507	276,889	5.5%
Out Boundary	361,009	412,557	14.3%

Municipal Population Change Categories

	# Munis	% Total
Gained Inside and Gained Outside	16	30.8%
Gained Inside and Lost Outside	7	13.4%
Gained Inside, No Area Outside	4	7.7%
Lost Inside, Gained Outside	9	17.3%
Lost Inside, Lost Outside	8	15.4%
Lost Inside, No Area Outside	8	15.4%

<u>Description</u>: Population data at the census block level is useful in overcoming the limitations of municipal level population data by identifying the actual number of residents who live within the state-designated Pinelands area.

<u>Unit of Analysis</u>: Sub-Municipal data is aggregated by counting the population of census blocks inside and outside the Pinelands boundary using GIS. The actual population of the state-designated Pinelands area is calculated, along with areas of Pinelands municipalities that are outside the boundary. Census blocks from 1990 were normalized to make them comparable to 2000 census blocks.

Summary of Previous Findings

While population in the Pinelands region has grown to 615,984, the population actually inside the Pinelands boundary was less than half that number in 2000. Pinelands population data analyzed at the census block level revealed that 276,889 people lived in the Pinelands in 2000, a 5.5% increase over 1990 population of 262,507. The number of persons living in Pinelands municipalities outside of the Pinelands boundary increased from 361,009 in 1990 to 412,557 in 2000, an increase of 14.3%.

The top three municipalities with the largest populations inside the Pinelands boundary are Pemberton Township, Hamilton Township, and Medford Township (Table P2a). Of the fifty-two municipalities with land in the Pinelands, the top ten municipalities in population account for 58% of the Pinelands total population, while the top twenty municipalities account for 85% of the population. The municipalities in the top bracket contain at least one of the Pinelands development areas: Regional Growth Areas, Pinelands Towns, and Pinelands Villages. Conversely, the ten municipalities with the least population in the Pinelands do not even comprise ½% of the total Pinelands population. Five of these ten are defined as "Non-Pinelands" municipalities for the purposes of this study, as less than 10% of their land is within the Pinelands. Some municipalities have more than 10% of their land in the Pinelands, but have extremely few people. For example, Eagleswood has 20% of its land in the Pinelands, but has no residents in the Pinelands, while Beachwood has 28% of its land in the Pinelands and has only four residents. In most instances, these areas fall within Preservation or Forest management areas.

The largest absolute changes in population inside the Pinelands boundary between 1990 and 2000 occurred in municipalities that have Regional Growth Areas (Table P2b). Stafford, Egg Harbor Township, and Hamilton were the top three municipalities in terms of absolute growth, while Berkeley was the fastest growing in terms of percent change. Wrightstown, Pemberton Township, and North Hanover had the largest absolute decreases in population, due to military base reductions.

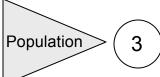
The fifty-two municipalities with some or all of their land inside the Pinelands were classified according to where their population gain occurred. Municipalities that gained population both inside and outside the boundary accounted for 30.8% of the total municipalities, the largest category by far. Municipalities completely located inside the Pinelands that experienced population gain made up the smallest percentage of the total, with 7.7%. Percentages in the other categories were relatively equal, with between seven and nine towns in each category.

Table P2a 2000 Population Inside and Outside the Pinelands Boundary by Pinelands Municipality

Municipality	% Land in Total Population		% Population	% Population	Total Population	
mamorpanty	Pinelands	Inside 2000	Inside	Outside	Outside 2000	
Pemberton Twp	90%	28,127	98%	2%	564	
Hamilton	97%	19,136	93%	7%	1,363	
Medford Twp	75%	18,239	82%	18%	4,014	
Egg Harbor Twp	38%	16,209	53%	47%	14,517	
Winslow	81%	15,599	45%	55%	19,012	
Monroe	69%	14,406	50%	50%	14,561	
Stafford	39%	13,390	59%	41%	9,142	
Hammonton	100%	12,604	100%	0%	0,142	
Manchester	72%	12,185	31%	69%	26,743	
Evesham	55%	11,553	27%	73%	30,722	
Galloway	38%	10,658	34%	66%	20,551	
Waterford	100%	10,494	100%	0%	20,001	
New Hanover	91%	9,109	93%	7%	635	
Southampton	73%	7,193	69%	31%	3,195	
Tabernacle	100%	7,170	100%	0%	3,193	
Shamong	100%	6,462	100%	0%		
Buena Vista	90%	6,248	84%	16%	1,188	
Mullica	100%	5,912	100%	0%	1,100	
Maurice River	69%	4,819	70%	30%	2,109	
Egg Harbor City	100%	4,545	100%	0%	2,109	
Medford Lakes	100%	4,343	100%	0%		
Jackson	47%	4,173	10%	90%	38,710	
Barnegat	56%	3,226	21%	79%	12,044	
North Hanover	4%	3,090	42%	58%	4,257	
Woodbine	95%	2,716	100%	0%	4,237	
Franklin	36%	2,664	17%	83%	12,802	
South Toms River	48%	2,495	69%	31%	1,139	
Berkeley	30%	2,493	6%	94%	37,524	
Lakehurst	87%	2,467	95%	5%	129	
Folsom	100%	1,972	100%	0%	129	
Weymouth	82%	1,668	74%	26%	600	
Dennis	38%	1,623	25%	75%	4,869	
Chesilhurst	100%	1,520	100%	0%	4,009	
Estell Manor	72%	1,502	95%	5%	72	
Bass River	87%	1,234	82%	18%	276	
Upper	33%	1,175	10%	90%	10,940	
Woodland	100%	1,170	100%	0%	10,940	
Buena	47%	865	22%	78%	3,008	
Washington	100%	621	100%	0%	3,000	
Lacey	67%	521	2%	98%	24,825	
Plumsted	53%	412	6%	94%	6,863	
Berlin Twp	16%	403	8%	92%	4,887	
Vineland	7%	186	0%	100%	56,085	
Ocean	41%	145	2%	98%	6,305	
Berlin Boro	10%	143	2%	98%	6,008	
Wrightstown	73%	123	16%	84%	625	
Little Egg Harbor	23%	107	10 %	99%	15,838	
Port Republic	35%	107	10%	90%	935	
Corbin City	1%	7	1%	99%	461	
Beachwood	28%	4	0%	100%	10,371	
Eagleswood	20%	0	0%	100%	1,441	
Springfield	2%	0	0%	100%	3,227	
opinighold	2 /0	U	0 70	100 /0	5,221	

Table P2b Population Change Inside and Outside the Pinelands Boundary by Pinelands Municipality (1990 – 2000)

Municipality	% Land in	Total	Change in	Percent	Total	Change in	Percent
' '	Pinelands	Population	Pop In Pines	Change	Population	Pop Out	Change
		Inside 1990	1990-2000	1990-2000	Outside 1990	Pines 1990-	1990-2000
						2000	
Stafford	39%	5739	7651	133%	7568	1574	21%
Egg Harbor Twp	38%	11687	4522	39%	12905	1612	12%
Hamilton	97%	14988	4148	28%	1024	339	33%
Galloway	38%	8497	2161	25%	14824	5727	39%
Berkeley	30%	865	1602	185%	36424	1100	3%
Manchester	72%	10589	1596	15%	25387	1356	5%
Evesham	55%	10121	1432	14%	25188	5534	22%
Shamong	100%	5765	697	12%			
Barnegat	56%	2701	525	19%	9552	2492	26%
Maurice River	69%	4392	427	10%	2256	-147	-7%
Southampton	73%	6792	401	6%	3410	-215	-6%
Hammonton	100%	12208	396	3%			
Weymouth	82%	1340	328	24%	630	-30	-5%
Estell Manor	72%	1268	234	18%	123	-51	-41%
Winslow	81%	15426	173	1%	14661	4351	30%
New Hanover	91%	8962	147	2%	584	51	9%
Franklin	36%	2531	133	5%	11951	851	7%
Dennis	38%	1536	87	6%	4038	831	21%
Berlin Twp	16%	344	59	17%	5122	-235	-5%
Ocean	41%	91	54	59%	5325	980	18%
Upper	33%	1133	42	4%	9548	1392	15%
Woodbine	95%	2678	38	1%			
Medford Twp	75%	18206	33	0%	2320	1694	73%
Vineland	7%	166	20	12%	54614	1471	3%
Mullica	100%	5896	16	0%			
Berlin Boro	10%	133	8	6%	5539	469	8%
Corbin City	1%	3	4	133%	409	52	13%
Eagleswood	20%	0	0	0%	1476	-35	-2%
Chesilhurst	100%	1526	-6	0%			
Jackson	47%	4124	-18	0%	29108	9602	33%
Port Republic	35%	124	-22	-18%	877	58	7%
Plumsted	53%	436	-24	-6%	5569	1294	23%
Bass River	87%	1269	-35	-3%	311	-35	-11%
Egg Harbor City	100%	4583	-38	-1%			
Lacey	67%	563	-42	-7%	21578	3247	15%
Beachwood	28%	65	-61	-94%	9259	1112	12%
Little Egg Harbor	23%	172	-65	-38%	13158	2680	20%
Springfield	2%	123	-123	-100%	2911	316	11%
Washington	100%	805	-184	-23%			
Tabernacle	100%	7360	-190	-3%			
South Toms River	48%	2689	-194	-7%	1210	-71	-6%
Folsom	100%	2181	-209	-10%			
Buena	47%	1077	-212	-20%	3364	-356	-11%
Buena Vista	90%	6512	-264	-4%	1143	45	4%
Medford Lakes	100%	4462	-289	-6%			
Waterford	100%	10940	-446	-4%			
Lakehurst	87%	2939	-546	-19%	139	-10	-7%
Monroe	69%	15122	-716	-5%	11581	2980	26%
Woodland	100%	2063	-893	-43%			
North Hanover	4%	5493	-2403	-44%	4560	-303	-7%
Pemberton Twp	90%	30740	-2613	-9%	602	-38	-6%
Wrightstown	73%	3082	-2959	-96%	761	-136	-18%



Age Demographics



US Census Bureau, 1980, 1990, 2000

The average age of the population in Southern New Jersey is increasing.

Population Under 18 (Municipal Level)

	- (< 18 Years	
	1980	1990	2000
Pinelands	29.1%	24.7%	24.4%
Non-Pinelands	28.1%	24.8%	25.4%
New Jersey	27.0%	23.3%	24.8%

Population 65 and over (Municipal Level)

	> 65 Years							
	1980 1990 2000							
Pinelands	13.5%	16.4%	16.8%					
Non-Pinelands	12.5%	14.2%	14.6%					
New Jersey	11.7%	13.4%	13.2%					

<u>Description</u>: The age distribution of the population within each municipality provides some determination of the demand for services and the ability of the population to withstand changes in tax rates.

<u>Unit of Analysis</u>: Demographic data are compiled at the municipal level and aggregated to allow for inside/outside Pinelands, regional, and statewide analyses.

Summary of Previous Findings

Examination of demographic data indicated that the population throughout Southern New Jersey is aging. The proportion of the population under 18 declined 3.3 percentage points outside of the Pinelands between 1980 and 1990, and declined 4.4 percentage points inside of the Pinelands over the same period. During the same decade, the proportion of the population over 65 increased 1.7 percentage points outside of the Pinelands and rose 2.9 percentage points inside of the Pinelands. Statewide trends were similar to those found in Southern New Jersey. Table P3 shows the prevalence of different age classes in Pinelands and Non-Pinelands municipalities. An examination of the geographic distribution of the 20 municipalities in the eight southern counties with the lowest and highest median ages in 1980 and 1990 found that both age extremes (youngest and oldest) are found at the edges of the region, predominantly outside of the Pinelands. The concentration of older populations along the southern and eastern borders reflects the popularity of resort and beach communities among retirees, while the concentration of younger populations in the north and west most likely reflects the presence of large military installations, a college campus, and more urban areas in Camden County.

Average age in the Pinelands continued to increase gradually during the 1990's, while the proportion of the population under 18 and over 65 changed very little from 1990-2000. However, Table P3a provides evidence of an aging working population (18-65 years old) both inside and outside of the Pinelands. The majority of Pinelands municipalities fell within median age 30-34 in 1990; however, by 2000, that majority moved to median age 35-39. Similarly the largest number of Non-Pinelands municipalities moved up to the 35-39 median age group over the same period.

Update

Census Block Groups are small enough to distinguish population inside and outside the Pinelands boundary, thus overcoming the limitations of municipal level data. Data at the Census Block Group level was used to calculate age groups inside and outside the Pinelands boundary for the year 2000. Based on the block group data, the actual population inside the boundary was approximately 283,600.8 Of these residents, 24.7% are under 18 years of age and 13.6% are over 64 years of age. Compared to the municipal Pinelands aggregate, the number of younger residents is approximately the same but the number of senior residents inside the Pinelands boundary is 3% lower. The population of the portion of Pinelands municipalities that lie outside the boundary was 405,000 residents. Of this number, 24.6% are under 18 and 18.4% are over 64. So, the number of juveniles in Pinelands municipalities is evenly spread inside and outside the boundary, but there are a greater number of seniors in Pinelands municipalities who live outside the boundary compared to inside the boundary. The Pinelands portion of Berkeley, Manchester, Southampton, and Barnegat stand out as areas that have a large percentage of senior residents (over 40%). These areas are home to several retirement communities (Table P3c).

⁸ This figure differs from the block level count, which was approximately 277,000. Block level data is more precise than Block Group level data, but less information is available at the block level.

Table P3a Median Age, 1980, 1990 and 2000 (Municipal Level)

1980									
Age Class	18 - 22	23 - 29	30 - 34	35 - 39	40 - 49	50 - 59	60 - 64	65 - 69	Total ⁹
# of Non-Pinelands Municipalities	0	32	78	20	17	7	0	0	154
% Non-Pinelands	0.0%	20.8%	50.6%	13.0%	11.0%	4.5%	0.0%	0.0%	100.0%
# of Pinelands Municipalities	1	26	13	3	2	1	0	1	47
% Pinelands	2.1%	55.3%	27.7%	6.4%	4.3%	2.1%	0.0%	2.1%	100.0%
				1000					
4 01	40 00	00 00		1990	10 10	F0 F0	00 04	05 00	
Age Class	18 - 22	23 - 29	30 - 34	35 - 39	40 - 49	50 - 59	60 - 64	65 - 69	Total
# of Non-Pinelands Municipalities	0	10	69	51	15	7	3	0	155
% Non-Pinelands	0.0%	6.5%	44.5%	32.9%	9.7%	4.5%	1.9%	0.0%	100.0%
# of Pinelands Municipalities	0	6	27	11	1	0	0	2	47
% Pinelands	0.0%	12.8%	57.4%	23.4%	2.1%	0.0%	0.0%	4.3%	100.0%
				2000					
Age Class	18 - 22	23 - 29	30 - 34	35 - 39	40 - 49	50 - 59	60 - 64	65 - 69	Total
# of Non-Pinelands Municipalities	0	4	19	78	40	13	1	0	155
% Non-Pinelands	0.0%	2.6%	12.3%	50.3%	25.8%	8.4%	0.6%	0.0%	100.0%
# of Pinelands Municipalities	0	0	9	29	7	0	0	2	47
% Pinelands	0.0%	0.0%	19.1%	61.7%	14.9%	0.0%	0.0%	4.3%	100.0%

Municipalities in 1980 totaled 201 due to lack of data for Tavistock Boro (population=9).

Table P3b Population Under 18 Years of Age Inside and Outside the Pinelands Boundary (Census Block Group Level)

County	Municipality	Population Inside 2000	Population Under 18 Inside	% Under 18 Inside	% Under 18 Outside	Population Under 18 Outside	Population Outside 2000
Ocean	South Toms River	2,877	909	31.6%	34.1%	258	757
Cape May	Upper	2,816	864	30.7%	28.0%	2,603	9,299
Ocean	Lakehurst	2,522	771	30.6%	0.0%	0	0
Burlington	Shamong	6,462	1,898	29.4%	0.0%	0	0
Burlington	Washington	621	182	29.3%	0.0%	0	0
Atlantic	Egg Harbor Twp	16,209	4,663	28.8%	27.5%	3,800	13,841
Atlantic	Egg Harbor City	4,545	1,284	28.3%	0.0%	0	0
Ocean	Little Egg Harbor	989	280	28.3%	23.9%	3,574	14,956
Ocean	Beachwood	1,331	375	28.2%	28.6%	2,585	9,044
Burlington	Pemberton Twp	27,243	7,658	28.1%	18.2%	263	1,448
Burlington	Tabernacle	7,170	2,004	27.9%	0.0%	0	
Burlington	Medford Twp	18,919	5,245	27.7%	21.9%	729	3,334
Gloucester	Franklin	2,664	735	27.6%	27.7%	3,546	12,802
Atlantic	Buena	865	237	27.4%	25.3%	760	
Ocean	Jackson*	5,627	1,523	27.1%	30.1%	11,178	37,183
Atlantic	Hamilton	19,287	5,199	27.0%	29.2%	354	1,212
Ocean	Stafford	13,390	3,612	27.0%	19.0%	1,740	
Atlantic	Mullica	5,912	1,594	27.0%	0.0%	0	
Burlington	Bass River	1,510	405	26.8%	0.0%	0	
Atlantic	Buena Vista	6,248	1,659	26.6%	15.1%	179	1,188
Atlantic	Estell Manor / Weymouth/ Corbin City*	3,177	841	26.5%	30.0%	340	,
Gloucester	Monroe	14,813	3,905	26.4%	24.9%	3,522	14,154
Cape May	Dennis	2,135	562	26.3%	29.2%	1,274	4,357
Ocean	Ocean	825	216	26.2%	25.4%	1,427	5,625
Burlington	Evesham	12,827	3,338	26.0%	27.7%	8,147	29,448
Burlington	Woodland	1,170	302	25.8%	0.0%	0	0
Camden	Waterford	10,494	2,701	25.7%	0.0%	0	0
Burlington	Medford Lakes	4,173	1,067	25.6%	0.0%	0	0
Burlington	Wrightstown	39	10	25.6%	29.9%	212	709
Ocean	Lacey	521	130	25.0%	25.6%	6,353	24,825
Atlantic	Folsom	1,972	491	24.9%	0.0%	0	0
Ocean	Jackson / Manchester / Plumsted*	446	108	24.2%	0.0%	0	0
Cape May	Woodbine	2,716	723	23.6%	0.0%	0	
Camden	Winslow	15,710	3,687	23.5%	33.2%	6,278	18,901
Camden	Chesilhurst	1,520	348	22.9%	0.0%	0	0
Atlantic	Hammonton	12,604	2,874	22.8%	0.0%	0	~
Atlantic	Galloway*	10,658	2,418	22.7%	28.9%	4,470	
Ocean	Barnegat	3,226	467	14.5%	30.4%	3,666	
Burlington	Southampton	6,445	907	14.1%	24.0%	947	,
Burlington	New Hanover +	9,109	1,224	13.4%	29.8%	189	
Cumberland	Maurice River +	5,152	424	8.2%	26.4%	468	
Ocean	Manchester*	10,995	871	7.9%	11.7%	3,206	
Ocean	Berkeley	2,391	7	0.3%	12.1%	4,521	37,434
Atlantic	Galloway / Port Republic*	0	0	0.0%	23.2%	1,423	
Camden	Berlin Twp	0	0	0.0%	25.8%	1,364	
Ocean	Eagleswood	0	0	0.0%	24.7%	356	
Ocean	Plumsted*	0	0	0.0%	28.5%	2,071	7,275
"Outside" Mur							
Burlington	North Hanover +	3,090	1,383	44.8%	25.5%	1,085	
Cumberland	Vineland	186	58	31.2%	25.7%	14,405	
Burlington	Springfield	0	0	0.0%	25.8%	833	
Camden	Berlin Boro	0	0	0.0%	24.6%	1,513	

^{*} Some municipalities cannot be isolated because census block groups cut across municipal boundaries. Block groups that are shared by more than one municipality are listed separately.

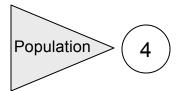
⁺ Influenced by group quarters population.

Population Over 64 Years of Age Inside and Outside the Pinelands Table P3c **Boundary (Census Block Group Level)**

County	Municipality	Population Inside 2000	Population Over 64 Inside	% Over 64 Inside	% Over 64 Outside	Population Over 64 Outside	Population Outside 2000
Ocean	Berkeley	2,391	2,076	86.8%	50.0%	18,701	37,434
Ocean	Manchester*	10,995	6,816	62.0%	52.4%	14,394	27,493
Burlington	Southampton	6,445	2,830	43.9%	11.8%	465	3,943
Ocean	Barnegat	3,226	1,315	40.8%	11.8%	1,424	12,044
Burlington	Washington	621	151	24.3%	0.0%	0	C
Atlantic	Hammonton	12,604	2,265	18.0%	0.0%	0	C
Ocean	Stafford	13,390	2,281	17.0%	21.5%	1,963	9,142
Burlington	Wrightstown	39	, 6	15.4%	8.2%	58	709
Atlantic	Estell Manor / Weymouth/ Corbin City*	3,177	479	15.1%	9.7%	110	1,133
Camden	Chesilhurst	1,520	229	15.1%	0.0%	0	C
Ocean	Jackson*	5,627	811	14.4%	8.6%	3,198	37,183
Atlantic	Egg Harbor City	4,545	633	13.9%	0.0%	0	C
Atlantic	Buena	865	111	12.8%	16.7%	502	3,008
Burlington	Medford Lakes	4,173	516	12.4%	0.0%	0	C
Ocean	Ocean	825	98	11.9%	14.0%	790	5,625
Camden	Winslow	15,710	1,853	11.8%	5.7%	1,086	18,901
Atlantic	Buena Vista	6,248	692	11.1%	37.5%	446	1,188
Gloucester	Monroe	14,813	1,595	10.8%	15.1%	2,142	14,154
Atlantic	Mullica	5,912	630	10.7%	0.0%	0	,
Burlington	Bass River	1,510	161	10.7%	0.0%	0	0
Cape May	Woodbine	2,716	283	10.4%	0.0%	0	
Atlantic	Galloway*	10,658	1,078	10.1%	6.9%	1,073	15,465
	•	989	98	9.9%		2,723	14,956
Ocean	Little Egg Harbor				18.2%		14,930
Atlantic	Folsom Dennis	1,972	193 203	9.8%	0.0%	0	4 257
Cape May		2,135		9.5%	13.7%	595	4,357
Ocean	Beachwood	1,331	125	9.4%	8.5%	771	9,044
Burlington	Pemberton Twp	27,243	2,501	9.2%	20.2%	292	1,448
Atlantic	Egg Harbor Twp	16,209	1,477	9.1%	8.7%	1,198	13,841
Gloucester	Franklin	2,664	238	8.9%	9.7%	1,242	12,802
Burlington	Medford Twp	18,919	1,658	8.8%	21.9%	729	3,334
Ocean	South Toms River	2,877	250	8.7%	10.3%	78	757
Ocean	Lacey	521	45	8.6%	15.3%	3,809	24,825
Atlantic	Hamilton	19,287	1,599	8.3%	6.9%	84	1,212
Camden	Waterford	10,494	854	8.1%	0.0%	0	C
Ocean	Lakehurst	2,522	201	8.0%	0.0%	0	C
Burlington	Woodland	1,170	90	7.7%	0.0%	0	C
Cape May	Upper	2,816		7.2%	13.6%	1,269	9,299
Burlington	Tabernacle	7,170	502	7.0%	0.0%	0	C
Burlington	Shamong	6,462	386	6.0%	0.0%	0	C
Burlington	Evesham	12,827	732	5.7%	10.2%	3,018	29,448
Cumberland	Maurice River +	5,152	214	4.2%	12.9%	229	1,776
Burlington	New Hanover + Jackson /	9,109	75	0.8%	7.9%	50	635
Ocean	Manchester / Plumsted*	446	0	0.0%	0.0%	0	C
Atlantic	Galloway / Port Republic*	0	0	0.0%	13.1%	803	6,123
Camden	Berlin Twp	0	0	0.0%	12.5%	663	5,290
Ocean	Eagleswood	0	0	0.0%	14.4%	207	1,441
Ocean	Plumsted*	0		0.0%	8.5%	621	7,275
"Outside" Mur							,
	Vineland	186	19	10.2%	14.2%	7,957	56,085
Cullibellalia							•
	North Hanover +	3 090	41	() (%)	111.5%1	448	4 25/
Burlington Burlington	North Hanover + Springfield	3,090 0	4 0	0.1% 0.0%	10.5% 10.7%	448 346	4,257 3,227

^{*} Some municipalities cannot be isolated because census block groups cut across municipal boundaries. Block groups that are shared by more than one municipality are listed separately.

+ Influenced by group quarters population.



Population Estimates



US Census Bureau / NJ Dept of Labor 2001 – 2004

• The Pinelands communities again grew more quickly than the Non-Pinelands in 2004. Evidence suggests that much of this growth is occurring on the fringes of the Pinelands.

Population Estimates

	2003 Estimate	2004 Estimate	Change	% Change
New Jersey	8,642,412	8,698,879	56,467	0.7%
South Jersey	2,352,725	2,377,004	24,279	1.0%
Pinelands	658,482	670,666	12,184	1.9%
Non-Pinelands	1,694,243	1,706,338	12,095	0.7%
100% Land in Pines (11 municipalities)	58,144	58,701	557	1.0%
55-99% Land in Pines (19 municipalities)	320,316	325,146	4,830	1.5%
10-54% Land in Pines (17 municipalities)	280,022	286,819	6,797	2.4%

<u>Description</u>: Population estimates are useful for measuring population during, and calculating per capita values for, intercensal years. Population estimates are particularly important in the later half of the decade as the census year becomes more distant and ceases to be a good measure of current population. Unfortunately, estimates further from the census year have a greater margin of error. Estimates are calculated using birth and death rates and a factor for migration. Estimates for 2003 and 2004 will be updated when 2005 estimates are released, and once the next census is taken (2010), estimates for this decade will be re-adjusted for the final time to reflect the new census.

<u>Unit of Analysis</u>: Population data are compiled at the municipal level and aggregated to allow for inside/outside Pinelands, regional, and statewide analyses.

Summary of Previous Findings:

The population of New Jersey grew by 2.7% between 2000 and 2003, adding just over 228,000 residents. New Jersey's growth was driven by natural increase and international migration. Although internal migration to the state was negative (more US residents moved out than in), the Southern New Jersey region had a positive internal migration (more US residents moved in than out).

The Pinelands municipalities grew more quickly than the Non-Pinelands municipalities and the state from 2000 to 2003, increasing by 6.9% (compared to 2.7% statewide growth and 3.9% growth in South Jersey). Components of population growth (natural increase and migration) cannot be calculated for the Pinelands and Non-Pinelands as this information is not available below the county level.

Update:

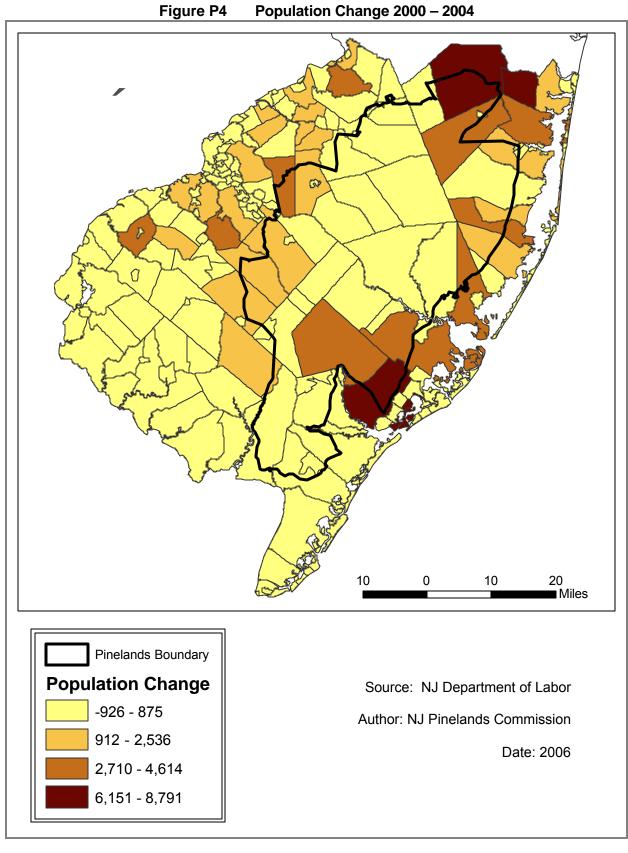
Population growth slowed slightly throughout all regions of the state between 2003 and 2004. Despite this slowdown, the same patterns of growth continued in 2004. The Pinelands communities grew at almost three times the rate of both the state as a whole and the rest of South Jersey (Pines +1.9%, Non-Pines South Jersey +0.7%, and Statewide +0.7%). However, upon closer examination it appears that past inside/outside growth trends uncovered by the census block analysis appear to be continuing. The eleven communities with their land area entirely within the Pinelands boundary showed a 1% increase in population in 2004. Those communities that straddle the Pinelands boundary showed considerably higher growth as the percentage of land in the Pinelands decreases (see table above). This suggests that much of the growth may in fact be occurring just outside of the Pinelands boundary.

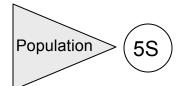
The following Pinelands communities ranked in the top 10% of South Jersey municipalities in both absolute population growth and percentage population growth: Barnegat, Egg Harbor Township, Jackson, and Hamilton (see

Table P4). In comparison, four South Jersey communities outside the Pines achieved such growth: Berlin Borough (+774, +11.3%), Woolwich (+568, +10.2%), Harrison (+569, +5.5%), and Delran (+715, +4.3%).

 Table P4
 Population Estimates

Jackson Egg Harbor Township Barnegat Hamilton Winslow Galloway Little Egg Harbor Evesham Monroe Stafford Franklin Hammonton Ocean Medford Berkeley Shamong Pemberton Township Port Republic Chesilhurst Upper Southampton Buena Vista Estell Manor	Ocean Atlantic Ocean Atlantic Camden Atlantic Ocean Burlington Gloucester Ocean Gloucester Atlantic	2003 49,567 34,965 17,616 22,775 35,185 34,340 18,670 46,264	2004 51,607 36,877 19,177 23,699 36,061 35,058	2,040 1,912 1,561 924 876	South Jersey Rank: Change 1 2 3 4	% Change 4.1% 5.5% 8.9%	South Jersey Rank: % Change 15 10
Egg Harbor Township Barnegat Hamilton Winslow Galloway Little Egg Harbor Evesham Monroe Stafford Franklin Hammonton Ocean Medford Berkeley Shamong Pemberton Township Port Republic Chesilhurst Upper Southampton Buena Vista Estell Manor	Atlantic Ocean Atlantic Camden Atlantic Ocean Burlington Gloucester Ocean Gloucester	34,965 17,616 22,775 35,185 34,340 18,670 46,264	36,877 19,177 23,699 36,061 35,058	1,912 1,561 924	1 2 3 4	4.1% 5.5% 8.9%	% Change 15 10
Egg Harbor Township Barnegat Hamilton Winslow Galloway Little Egg Harbor Evesham Monroe Stafford Franklin Hammonton Ocean Medford Berkeley Shamong Pemberton Township Port Republic Chesilhurst Upper Southampton Buena Vista Estell Manor	Atlantic Ocean Atlantic Camden Atlantic Ocean Burlington Gloucester Ocean Gloucester	34,965 17,616 22,775 35,185 34,340 18,670 46,264	36,877 19,177 23,699 36,061 35,058	1,912 1,561 924	1 2 3 4	5.5% 8.9%	15 10
Barnegat Hamilton Winslow Galloway Little Egg Harbor Evesham Monroe Stafford Franklin Hammonton Ocean Medford Berkeley Shamong Pemberton Township Port Republic Chesilhurst Upper Southampton Buena Vista Estell Manor	Ocean Atlantic Camden Atlantic Ocean Burlington Gloucester Ocean Gloucester	17,616 22,775 35,185 34,340 18,670 46,264	19,177 23,699 36,061 35,058	1,561 924	3 4	8.9%	-
Hamilton Winslow Galloway Little Egg Harbor Evesham Monroe Stafford Franklin Hammonton Ocean Medford Berkeley Shamong Pemberton Township Port Republic Chesilhurst Upper Southampton Buena Vista Estell Manor	Atlantic Camden Atlantic Ocean Burlington Gloucester Ocean Gloucester	22,775 35,185 34,340 18,670 46,264	23,699 36,061 35,058	924	4		4
Winslow Galloway Little Egg Harbor Evesham Monroe Stafford Franklin Hammonton Ocean Medford Berkeley Shamong Pemberton Township Port Republic Chesilhurst Upper Southampton Buena Vista Estell Manor	Camden Atlantic Ocean Burlington Gloucester Ocean Gloucester	35,185 34,340 18,670 46,264	36,061 35,058		-	4.40/	
Galloway Little Egg Harbor Evesham Monroe Stafford Franklin Hammonton Ocean Medford Berkeley Shamong Pemberton Township Port Republic Chesilhurst Upper Southampton Buena Vista Estell Manor	Atlantic Ocean Burlington Gloucester Ocean Gloucester	34,340 18,670 46,264	35,058	876		4.1%	16
Little Egg Harbor Evesham Monroe Stafford Franklin Hammonton Ocean Medford Berkeley Shamong Pemberton Township Port Republic Chesilhurst Upper Southampton Buena Vista Estell Manor	Ocean Burlington Gloucester Ocean Gloucester	34,340 18,670 46,264			6	2.5%	29
Little Egg Harbor Evesham Monroe Stafford Franklin Hammonton Ocean Medford Berkeley Shamong Pemberton Township Port Republic Chesilhurst Upper Southampton Buena Vista Estell Manor	Burlington Gloucester Ocean Gloucester	18,670 46,264		718	10	2.1%	37
Evesham Monroe Stafford Franklin Hammonton Ocean Medford Berkeley Shamong Pemberton Township Port Republic Chesilhurst Upper Southampton Buena Vista Estell Manor	Gloucester Ocean Gloucester	46,264	19,334	664	13	3.6%	22
Monroe Stafford Control Franklin Hammonton Ocean Medford Berkeley Shamong Pemberton Township Port Republic Chesilhurst Upper Southampton Buena Vista Estell Manor	Gloucester Ocean Gloucester		46,858	594	14	1.3%	56
Stafford C Franklin C Hammonton A Ocean C Medford E Berkeley C Shamong E Pemberton Township E Port Republic A Chesilhurst C Upper C Southampton E Buena Vista A Estell Manor	Ocean Gloucester	30,379	30,960	581	16	1.9%	39
Franklin Hammonton Ocean Medford Berkeley Shamong Pemberton Township Port Republic Chesilhurst Upper Southampton Buena Vista Estell Manor	Gloucester	24,371	24,944	573	17	2.4%	31
Hammonton Ocean Ocean Ocean General Commediate Berkeley Shamong Pemberton Township Port Republic Chesilhurst Upper Southampton Buena Vista Estell Manor		16,016	16,378	362	25	2.3%	32
Ocean Medford Berkeley Shamong Pemberton Township Port Republic Chesilhurst Upper Southampton Buena Vista Estell Manor		13,007	13,280	273	28	2.1%	36
Medford E Berkeley C Shamong E Pemberton Township E Port Republic A Chesilhurst C Upper C Southampton E Buena Vista A Estell Manor	Ocean	7,227	7,492	265	31	3.7%	19
Berkeley C Shamong E Pemberton Township E Port Republic A Chesilhurst C Upper C Southampton E Buena Vista A Estell Manor	Burlington	23,414	23,568	154	39	0.7%	84
Shamong E Pemberton Township E Port Republic A Chesilhurst C Upper C Southampton E Buena Vista A Estell Manor	Ocean	42,377	42,527	150	40	0.4%	105
Pemberton Township Port Republic Chesilhurst Upper Southampton Buena Vista Estell Manor	Burlington	6,738	6,827	89	50	1.3%	54
Port Republic A Chesilhurst C Upper C Southampton E Buena Vista A Estell Manor A	Burlington	28,888	28,967	79	52	0.3%	110
Chesilhurst C Upper C Southampton E Buena Vista A Estell Manor	Atlantic	1,072	1,140	68	60	6.3%	7
Upper C Southampton E Buena Vista A Estell Manor A			1,140	64	64	3.7%	21
Southampton E Buena Vista A Estell Manor A	Camden	1,747					
Buena Vista A Estell Manor A	Cape May	11,922	11,985	63	65	0.5%	93
Estell Manor A	Burlington	10,899	10,952	53	70	0.5%	96
	Atlantic	7,514	7,563	49	73	0.7%	85
	Atlantic	1,664	1,707	43	75	2.6%	28
	Burlington	7,311	7,349	38	78	0.5%	94
	Atlantic	6,033	6,070	37	79	0.6%	89
	Ocean	8,014	8,045	31	84	0.4%	104
	Atlantic	3,835	3,862	27	87	0.7%	81
	Camden	10,653	10,679	26	88	0.2%	115
	Burlington	9,794	9,815	21	95	0.2%	118
	Ocean	10,723	10,740	17	101	0.2%	127
	Atlantic	2,309	2,325	16	104	0.7%	83
•	Camden	5,360	5,372	12	112	0.2%	117
	Burlington	1,353	1,364	11	114	0.8%	75
	Burlington	1,554	1,564	10	115	0.6%	86
	Ocean	42,102	42,112	10	115	0.0%	139
Egg Harbor City A	Atlantic	4,491	4,500	9	117	0.2%	120
o .	Ocean	1,527	1,534	7	123	0.5%	98
	Burlington	4,197	4,202	5	126	0.1%	131
Washington E	Burlington	635	640	5	126	0.8%	76
South Toms River C	Ocean	3,696	3,699	3	134	0.1%	136
Folsom A	Atlantic	1,979	1,979	0	140	0.0%	140
Wrightstown E	Burlington	749	749	0	140	0.0%	140
	Ocean	2,695	2,690	-5	154	-0.2%	160
	Cumberland	7,551	7,542	-9	161	-0.1%	152
	Cape May	2,653	2,616	-37	185	-1.4%	193
	Ocean	26,311	26,221	-90	196	-0.3%	169
		6,340	6,225	-115	197	-1.8%	199
"Outside" Munis	Cape Mav	2,010	2,0		 _		
	Cape May	1	ļ į		Ī	į į	1
	. ,	57,098	58,009	911	5	1.6%	46
	Cumberland	57,098 6.821	58,009 7 595	911 774	5	1.6%	46 1
	Cumberland Camden	6,821	7,595	774	9	11.3%	1
Corbin City A	Cumberland						





School Student Population



NJ Department of Education 2002-2005

• School districts in the Pinelands municipalities increased their student populations at a rate two and a half times higher than those in the Non-Pinelands from 2002 – 2005.

Total Student Population 2002 – 2005

	Total Students 2002	Total Students 2005	Change	% Change
Pinelands (45 districts)	94,737	99,498	4,761	+ 5.0%
Non-Pinelands (151 districts)	274,443	279,820	5,377	+ 2.0%

<u>Description</u>: The New Jersey Department of Education keeps historical records on the total enrollment in each district across the state. These annual enrollment tallies are taken at uniform dates each year (October 15) in order to facilitate comparison across districts and across years. While the student populations are characterized into subgroups by the state for analysis reas ons, the number reported here includes both the general student population as well as the special education student population. It should be noted that the data included here may underestimate the actual student population in the Pinelands since it does not include students in private schools. However, since this analysis is concerned with the property tax implications of student population growth it is probably proper to exclude private school students from the count. However, one caveat can be made here: there is always the chance that school aged students in private schools will at some point avail themselves of their public education alternatives.

<u>Unit of Analysis</u>: Population data are compiled at the school district level and aggregated to allow for inside/outside Pinelands analyses. For those districts that are regional in nature, each was classified as either "In" the Pinelands or "Out" of the Pinelands based on the percentage of students that reside in Pinelands communities that attend those schools.

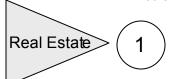
Supplemental Data:

The data collected here strongly confirms the hypothesis that the Pinelands region contains most of the fastest growing school districts in South Jersey. As a group, the school districts in the Pinelands (45 districts) experienced a 5.0% increase in their student populations over the three year period from 2002 – 2005. Over the same time period the Non-Pinelands districts (151 districts) increased their student base by only 2.0%. Upon closer examination, the data reveals some interesting findings. The Pinelands communities are disproportionately represented at the high end of the spectrum of increases over the previous three years. While Pinelands communities represent about 25% of all the districts in South Jersey, they account for 70% of the top 10 fastest growing districts over the last three years. All of the following Pinelands districts rank in the top 10 among South Jersey for the absolute number of new students added over the last three years: Egg Harbor Township (1st), Jackson (2nd), Hammonton (3rd), Lenape Regional (5th), Monroe (6th), Greater Egg Harbor Regional (7th), and Barnegat (9th). Among the Pinelands communities with decreasing enrollment over the same period, only two exhibited significant drops in student population: Pemberton Township (-272 students or -4.7% of total student base) and Winslow Township (-287 and -4.4%).

This data helps confirm the findings of last year's new supplemental variable regarding new school space. From 1996–2003, municipalities in the Pinelands added 60% more new school space than those in the Non-Pinelands region (see 2005 Annual Report).

Table P5 School Student Population in Pinelands Municipalities 2002-2005

COUNTY	DISTRICT NAME	2002	2,005	Change	% Change
ATLANTIC	EGG HARBOR TWP	5,973	6,953	981	16.4%
OCEAN	JACKSON TWP	8,603	9,528	925	10.8%
ATLANTIC	HAMMONTON TOWN	2,490	3,314	824	33.1%
BURLINGTON	LENAPE REGIONAL	6,582	7,197	615	9.3%
GLOUCESTER	MONROE TWP	4,918	5,485	567	11.5%
ATLANTIC	GREATER EGG HARBOR REG	3,227	3,782	555	17.2%
OCEAN	BARNEGAT TWP	2,047	2,513	466	22.8%
OCEAN	PLUMSTED TWP	1,518	1,775	257	16.9%
OCEAN	STAFFORD TWP	2,281	2,476	195	8.5%
ATLANTIC	HAMILTON TWP	2,641	2,810	169	6.4%
BURLINGTON	TABERNACLE TWP	973	1,066	93	9.6%
BURLINGTON	MEDFORD TWP	2,940	3,029	89	3.0%
ATLANTIC	FOLSOM BORO	298	381	83	27.9%
OCEAN	PINELANDS REGIONAL	1,789	1,857	68	3.8%
OCEAN	MANCHESTER TWP	3,157	3,225	68	2.2%
OCEAN	LACEY TWP	4,948	5,011	63	1.3%
ATLANTIC	BUENA REGIONAL	2,546	2,607	61	2.4%
BURLINGTON	SHAMONG TWP	906	958	52	5.7%
ATLANTIC	MULLICA TWP	822	859	37	4.5%
BURLINGTON	MEDFORD LAKES BORO	516	535	19	3.7%
CAMDEN	CHESILHURST	139	150	11	7.9%
OCEAN	LAKEHURST BORO	474	485	11	2.3%
GLOUCESTER	FRANKLIN TWP	1,424	1,431	7	0.5%
BURLINGTON	WOODLAND TWP	146	151	5	3.4%
ATLANTIC	PORT REPUBLIC CITY	132	131	-1	-0.8%
OCEAN	OCEAN TWP	625	614	-11	-1.8%
BURLINGTON	WASHINGTON TWP	114	102	-12	-10.5%
ATLANTIC	WEYMOUTH TWP	259	245	-14	-5.4%
CAMDEN	WATERFORD TWP	974	959	-15	-1.5%
ATLANTIC	ESTELL MANOR CITY	235	220	-15	-6.4%
BURLINGTON	NEW HANOVER TWP	169	150	-19	-11.2%
OCEAN	BERKELEY TWP	1,930	1,907	-23	-1.2%
CAPE MAY	WOODBINE BORO	260	237	-23	-8.8%
BURLINGTON	BASS RIVER TWP	155	129	-26	-16.8%
CUMBERLAND	MAURICE RIVER TWP	446	408	-38	-8.5%
ATLANTIC	GALLOWAY TWP	3,723	3,667	-56	-1.5%
BURLINGTON	SOUTHAMPTON TWP	887	829	-58	-6.5%
CAMDEN	BERLIN TWP	731	671	-60	-8.2%
ATLANTIC	EGG HARBOR CITY	586	518	-68	-11.6%
OCEAN	LITTLE EGG HARBOR TWP	1,727	1,630	-97	-5.6%
CAPE MAY	UPPER TWP	1,811	1,699	-112	-6.2%
BURLINGTON	EVESHAM TWP	5,390	5,277	-113	-2.1%
CAPE MAY	DENNIS TWP	862	723	-139	-16.1%
BURLINGTON	PEMBERTON TWP	5,834	5,562	-272	-4.7%
CAMDEN	WINSLOW TWP	6,530	6,243	-287	-4.4%



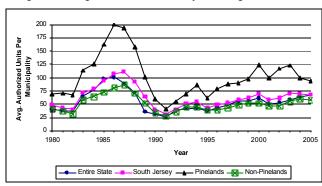
Building Permits for Dwelling Units

New Jersey Department of Labor 1980 – 2005

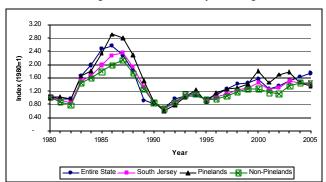


• For the second year in a row, the average number of building permits in the Pinelands decreased considerably while the Statewide average increased. Activity for the Non-Pinelands region remained relatively flat in 2005.

Avg # Dwelling Units Authorized by Building Permits



Index of Dwelling Units Authorized by Building Permits



<u>Description</u>: Building permit activity measures the number of dwelling units authorized for construction as reported by municipal building inspectors in New Jersey.

<u>Unit of Analysis</u>: Municipal level data are aggregated to allow for inside/outside Pinelands, regional, and statewide analyses. The aggregation method calculates the average units authorized per municipality.

Summary of Previous Findings

The overall trend in permits for dwelling units followed the broad cycle of economic activity, from a building boom in the mid-1980's to recession at the turn of the decade and subsequent recovery. The average number of permits issued by Pinelands municipalities was consistently higher and experienced somewhat higher volatility than other areas throughout the monitoring period. This finding is not surprising because the Pinelands region is less developed than the other regions. Another factor involved is the residential build-up that followed the beginning of casino gambling in Atlantic City in the early 1980's.

Building permit activity has gradually increased in all regions of the state from 1995 to 2003, except for a dip in activity during 2001 due to the onset of economic recession. Pinelands municipalities that ranked highest in building permits during the 1990s tended to be suburban municipalities in the northern and/or eastern Pinelands region. However, much of this building activity actually occurred outside Pinelands boundaries with few exceptions. An analysis conducted in 2001 suggested that as little as 18% of all Pinelands municipalities' building permits were actually directed within the Pinelands boundary. The Pinelands average is traditionally high because it is influenced by a few towns which are experiencing rapid growth – some in regional growth areas inside the Pinelands boundary, others in areas outside the Pinelands boundary. The Non-Pinelands average is affected by a larger number of municipalities that are smaller in land area and / or have little or no remaining developable land. These municipalities drive the Non-Pinelands average downward.

There was a dramatic shift in building permit activity in the Pinelands in 2004. The average number of permits issued in the Pinelands decreased from 122 to 100, a decline of 18.9%. In contrast, the state as a whole increased permit activity by 8.9% (from 58 to 63) and the Non-Pinelands South Jersey municipalities increased permits by 8.4% (from 55 to 60). In fact, 2004 marked only the second time in the last 9 years that building permits have decreased in the Pinelands. The only other year during that period that saw a decrease in permits was 2001, but all the other regions of the state also experienced declines in that year as well (Statewide –18.3%, Pinelands –19.7%, and Non-Pinelands –9.4%).

Update:

The shift in building permit activity in the Pinelands versus the other regions of the state that started in 2004 continued again in 2005. The average number of permits (by municipality) issued in the Pinelands decreased from 100 to 93, a decline of 6.9%. In contrast, the state as a whole increased permit activity by 7.4% (from 63 to 68) while

the Non-Pinelands South Jersey municipalities permits remained relatively flat with a modest decrease of 0.9% (from 60 to 59).

While the shift in building permits in 2004 was explained by the large movement of a few key contributors in the Pinelands, in 2005 the story was different. The decrease in permits was fairly uniform across the Pinelands in 2005. Eleven of the 47 Pinelands municipalities experienced a drop of 10 or greater in permits, while 5 of the 47 showed an increase of 10 or more permits from the previous year (see Table R1). This more uniform drop in permit activity on top of 2004's substantial decrease may indicate the beginning of a change in building permit trends for the Pinelands relative to the rest of the State. Another plausible explanation for this changing trend may be that a slowdown in the housing market is likely to have a greater effect on those municipalities that are experiencing more building activity. Since the Pinelands region has consistently shown more building permit activity over recent years than the Non-Pinelands, the decrease in activity in the Pinelands may be a signal that the housing development market is entering a "cooling off" period.

Table R1 Residential Building Permits¹⁰

		Permits	Issued				
Municipality	County	2005	2004	Change	% Change	5 Year Avg	Permits 2001-2005
Hamilton	Atlantic	331	164	167	102%	302	1,508
Southampton	Burlington	88	18	70		50	250
Ocean	Ocean	212	178	34	19%	161	807
Pemberton Township	Burlington	68	35	33	94%	37	186
Plumsted	Ocean	38	20	18	90%	37	186
Waterford	Camden	31	23	8	35%	25	124
Buena Vista	Atlantic	24	16	8	50%	19	96
Jackson	Ocean	209	201	8	4%	473	2,366
Manchester	Ocean	24	17	7		172	858
Eagleswood	Ocean	27	20	7	35%	16	78
Bass River	Burlington	9	3	6	200%	5	26
Monroe	Gloucester	248	242	6		234	1,169
Berlin Township	Camden	21	17	4	24%	16	78
South Toms River	Ocean	9	6	3		6	29
Woodland	Burlington	7	5	2	40%	6	28
Maurice River	Cumberland	11	9	2	22%	6	30
Medford Lakes	Burlington	5	4	1	25%	4	18
Washington	Burlington	4	3	1	33%	2	12
Tabernacle	Burlington	15	15	0	0%	13	66
Wrightstown	Burlington	1	1	0		0	2
Folsom	Atlantic	2	4	-2	-50%	3	13
Lakehurst	Ocean	1	3		-67%	2	12
Medford	Burlington	27	29	-2	-7%	64	318
Port Republic	Atlantic	23	25	-2	-8%	18	88
Estell Manor	Atlantic	8	11	-3	-27%	11	56
Buena	Atlantic	6	9	-3	-33%	6	31
Stafford	Ocean	315	318	-3	-1%	289	1,445
Beachwood	Ocean	15	18	-3	-17%	21	105
Woodbine	Cape May	7	11	-4	-36%	8	38
New Hanover	Burlington	0	4	-4	-100%	3	16
Shamong	Burlington	21	26	-5		27	136
Dennis	Cape May	18	23	-5		20	99
Egg Harbor City	Atlantic	11	17	-6		8	38
Weymouth	Atlantic	2	8	-6		7	33
Upper	Cape May	48	55	-7	-13%	77	385
Lacey	Ocean	63	71	-8	-11%	54	270
Mullica	Atlantic	24	35	-11		24	119
Chesilhurst	Camden	12	23	-11	-48%		150
Berkeley	Ocean	111	128	-17	-13%		804
Franklin	Gloucester	101	126	-25			
Winslow	Camden	538	580	-42			1,648
Little Egg Harbor	Ocean	259	315	-56			1,884
Galloway	Atlantic	348	423	-75			1,754
Evesham	Burlington	46	135	-89	-66%	258	1,292
Hammonton	Atlantic	79	175	-96			516
Egg Harbor Township	Atlantic	519	619	-100			3,130
Barnegat	Ocean	386	507	-121	-24%	441	2,205
"Outside" Munis	Jocan	300	307	-121	-2 -7 /0	771	2,200
Vineland	Cumberland	139	114	25	22%	142	708
Springfield	Burlington	159	13	25	15%	19	96
	Atlantic	3	5	-2			24
Corbin City		15	23				
North Hanover	Burlington						
Berlin Borough	Camden	52	104	-52	-50%	116	578

¹⁰ Municipalities with small populations tend to experience greater volatility from one year to the next. This applies to all variables in this report, not just with building permits.

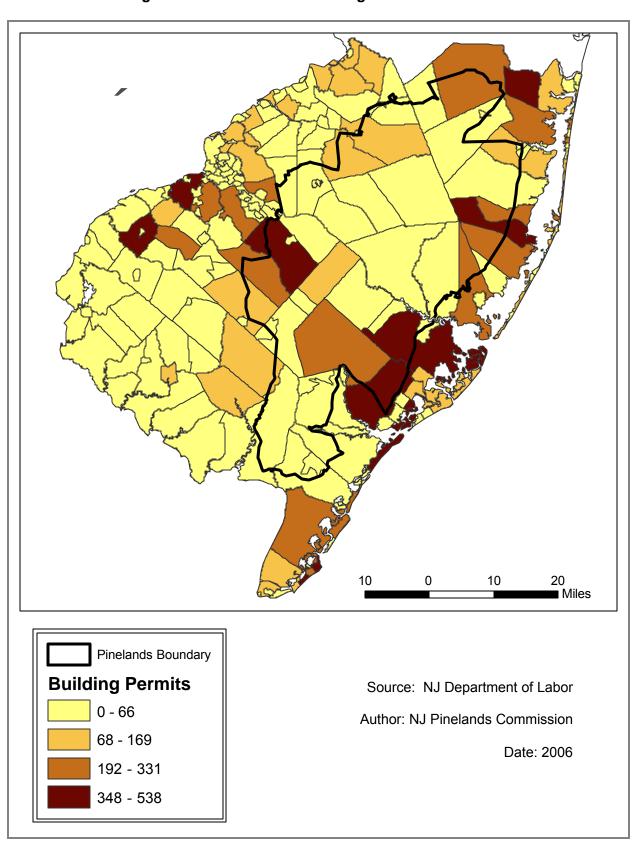
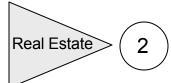


Figure R1 Residential Building Permits Issued 2005



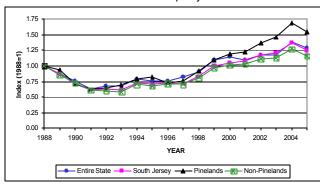
Residential Real Estate Transactions

NJ Dept of Treasury, Div of Taxation 1988 – 2005

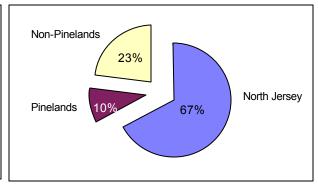


 After several years of tremendous growth in real estate transactions, 2005 saw a uniform decrease of around 7% in transactions across all regions of the State. This marked the first time since 1991 that transactions in all regions of the State decreased simultaneously.





Percentage of Total Housing Transactions by Region



<u>Description</u>: The number of homes sold in each municipality is derived from useable sales data compiled by the New Jersey Department of Treasury.

<u>Unit of Analysis</u>: Real estate transaction data are compiled at the municipal level and aggregated to allow for inside/outside Pinelands analysis.

Summary of Previous Findings

The proportion of residential real estate transactions in the Pinelands (relative to the number of state transactions) remained relatively steady over the course of the monitoring period from 1988 to 1999. The Pinelands share of total transactions has been increasing since 1999. The actual number of transactions in all regions of the state declined substantially from the beginning of monitoring in 1988 through 1991. Residential real estate transactions increased statewide between 1991and 1996 followed by more substantial increases through 2004.

<u>Update</u>:

The pace of residential transactions finally began to slow in 2005 following several years of tremendous growth across all regions. For the first time since 1991, all regions of the state experienced a decline in the total number of transactions in 2005. Transactions decreased statewide by 6.6% in 2005. In South Jersey, the Pinelands (-7.8%) decreased at a slower rate than the Non-Pinelands (-8.6%). This marked the sixth consecutive year in which the Pinelands percentage change in transactions was smaller than the Non-Pinelands region.

The geographic pattern of transaction activity in the Pinelands remained the same with Berkeley, Evesham, Jackson, and Galloway again holding the top four spots for number of transactions. As is the case with building permits, much of the activity in real estate transactions is occurring on the fringes of the Pinelands (Figure R2). The phenomenal growth in Ocean County slowed considerably in 2005. The three largest absolute decreases for Pinelands municipalities in 2005 were in Ocean County – Little Egg Harbor, Berkeley, and Jackson (Table R2). This marks quite a reversal, as Berkeley and Jackson ranked 1st and 2nd in 2004 for the total increase in all Pinelands municipalities.

Table R2 Residential Housing Transactions

Municipality	County	2005	2004	Change	% Change	5 Year Avg
Hamilton	Atlantic	664	519	145	28%	492
Monroe	Gloucester	545	418	127	30%	386
Winslow	Camden	913	796	117	15%	707
Manchester	Ocean	643	579	64	11%	588
Egg Harbor Township	Atlantic	747	697	50	7%	583
Pemberton Township	Burlington	451	411	40	10%	348
Franklin	Gloucester	186	154	32	21%	143
Hammonton	Atlantic	152	129	23	18%	128
Woodbine	Cape May	14	4	10	250%	7
Medford Lakes	Burlington	75		9	14%	75
Folsom	Atlantic	28	21	7	33%	18
Washington	Burlington	9	2	7	350%	5
Woodland	Burlington	23		7	44%	14
Chesilhurst	Camden	23	16	6	38%	13
Bass River		18	13	5	38%	
	Burlington					11
Wrightstown	Burlington	5	0	5	n/a 29%	2
Estell Manor	Atlantic	22	17	5		17
Buena	Atlantic	49	45	4	9%	38
Mullica	Atlantic	69	68	1	1%	56
Southampton	Burlington	232	231	1	0%	180
Maurice River	Cumberland	27	26	1	4%	28
Berlin Township	Camden	61	62	-1	-2%	58
New Hanover	Burlington	6	8	-2	-25%	6
Galloway	Atlantic	877	881	-4	0%	810
Weymouth	Atlantic	0	6	-6	-100%	11
Port Republic	Atlantic	7	15	-8	-53%	12
Shamong	Burlington	76	88	-12	-14%	82
Ocean	Ocean	160	174	-14	-8%	164
Waterford	Camden	169	184	-15	-8%	152
Plumsted	Ocean	79	102	-23	-23%	77
Barnegat	Ocean	390	414	-24	-6%	341
Eagleswood	Ocean	4	31	-27	-87%	18
Buena Vista	Atlantic	4	33	-29	-88%	28
Dennis	Cape May	26	67	-41	-61%	65
South Toms River	Ocean	24	66	-42	-64%	46
Lakehurst	Ocean	17	60	-43	-72%	32
Beachwood	Ocean	172	216	-44	-20%	185
Tabernacle	Burlington	34	85	-51	-60%	79
Egg Harbor City	Atlantic	15	70	-55		
Lacey	Ocean	607	685			587
Medford	Burlington	335	423	-88		386
Evesham	Burlington	994	1,083	-89		953
Stafford	Ocean	565	690	-125		
Upper	Cape May	72	203	-131	-65%	
Jackson	Ocean	760	901	-141	-16%	764
Berkeley	Ocean	1,057	1,225			
Little Egg Harbor	Ocean	1,037	588	-393		485
	Ocean	195	500	-აყა	-0170	400
"Outside" Municipalities	Cumple and and and	070	500	00	4 4 0 /	F0.4
Vineland	Cumberland	678	596	82	14%	534
Corbin City	Atlantic	7	0	7	n/a	
Springfield	Burlington	27	26		4%	
Berlin Borough	Camden	102	103	-1	-1%	88
North Hanover	Burlington	13	16	-3	-19%	17

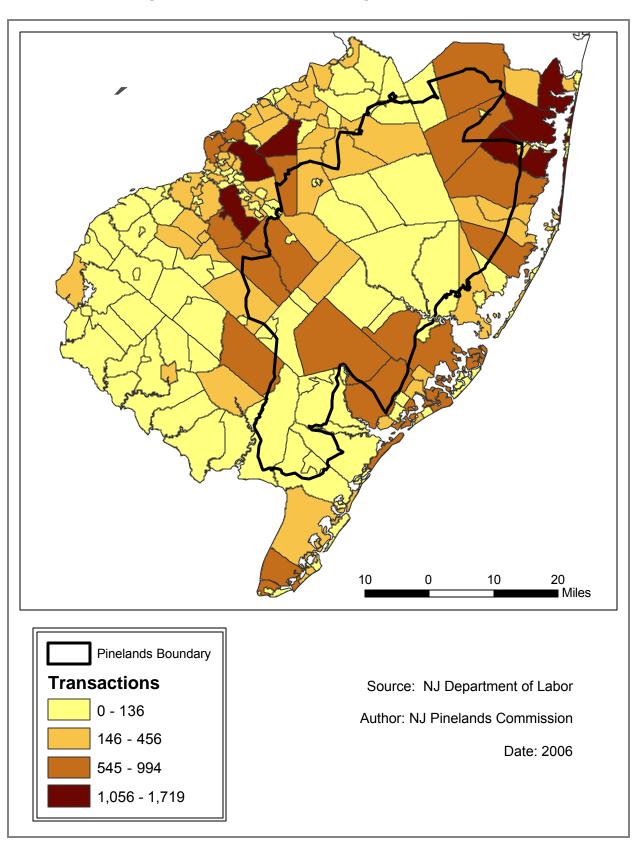
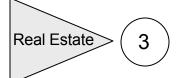


Figure R2 Residential Housing Transactions 2005



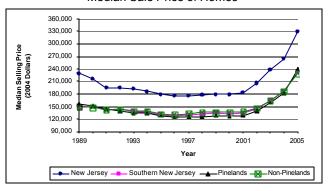
Median Selling Price of Homes



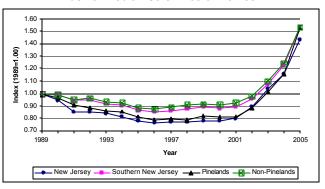
NJ Dept of Treasury, Division of Taxation 1989 – 2005

 Housing prices increased substantially again in 2005, posting their largest one year increase in the monitoring period. In addition, the median selling price for homes in the Pinelands is higher than in the Non-Pinelands for the 1st time since 1991 (by 4.3%).





Index of Median Sale Price of Homes



<u>Description</u>: The median selling price for homes sold in each municipality in a given year is derived from sales data compiled by the New Jersey Department of Treasury. Selling prices are shown in 2005 dollars.

<u>Unit of Analysis</u>: Data on median selling prices are compiled at the municipal level and are derived from the middle value from the total number of sales for each region for inside/outside Pinelands, regional, and statewide analyses.

Summary of Previous Findings

Median selling prices of homes inside and outside of the Pinelands declined from the beginning of the monitoring period (1989) into the early 1990's and increased slightly in subsequent years through 2001. This period encompassed the end of a real estate boom, recession, and subsequent recovery. Prices began to escalate for all regions in 2002, in spite of a recession in 2001 and weak job market thereafter. Prices have continued their steady climb ever since across all regions. Overall, median selling prices were slightly higher in the Non-Pinelands than in the Pinelands, which is consistent with data from the years prior to implementation of the CMP and shortly thereafter (see, for example, *Economic & Fiscal Impacts of the Comprehensive Management Plan*, New Jersey Pinelands Commission, 1983). Historically, median selling prices at the state level have been substantially higher than those for Southern New Jersey.

Update:

The median sales price of homes continued to significantly increase for all regions in 2005, posting double-digit percentage increases for the third year in a row. The median inflation-adjusted sales price rose by 31.8% in the Pinelands, outperforming both the statewide and Non-Pinelands increases (24.2% and 23.5% respectively) for the year. The median sales price for a home in the Pinelands was \$239,900 in 2005 compared to \$229,900 for the Non-Pinelands.

This marks the first time since 1991 that the median sales price for homes in the Pinelands is higher than for homes in the Non-Pinelands. In 1998, the median sales price in the Pinelands was 6.8% lower than the Non-Pinelands. The median sales price for a Pinelands home in 2005 was 4.3% higher than the Non-Pinelands.

Table R3 Median Home Values - 2005

Eagleswood	Municipality	County	Median Sales Price	South Jersey Rank
Medford	Eagleswood	Ocean	\$387,500	27
Medford	Shamong	Burlington	\$373,250	30
Jackson	Medford		\$369,900	31
Jackson	Tabernacle	Burlington	\$368,750	32
Plumsted	Jackson		\$350,000	37
Plumsted	Stafford	Ocean	\$345.000	38
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"Outside" Municipalities 8365,000 33 North Hanover Burlington \$340,000 40 Springfield Burlington \$242,500 84 Corbin City Atlantic \$195,000 121	Maurice River	Cumberland	\$143,100	174
"Outside" Municipalities 8365,000 33 North Hanover Burlington \$340,000 40 Springfield Burlington \$242,500 84 Corbin City Atlantic \$195,000 121	Weymouth	Atlantic		#N/A
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Springfield Burlington \$340,000 40 Berlin Borough Camden \$242,500 84 Corbin City Atlantic \$195,000 121	North Hanover	Burlington	\$365,000	33
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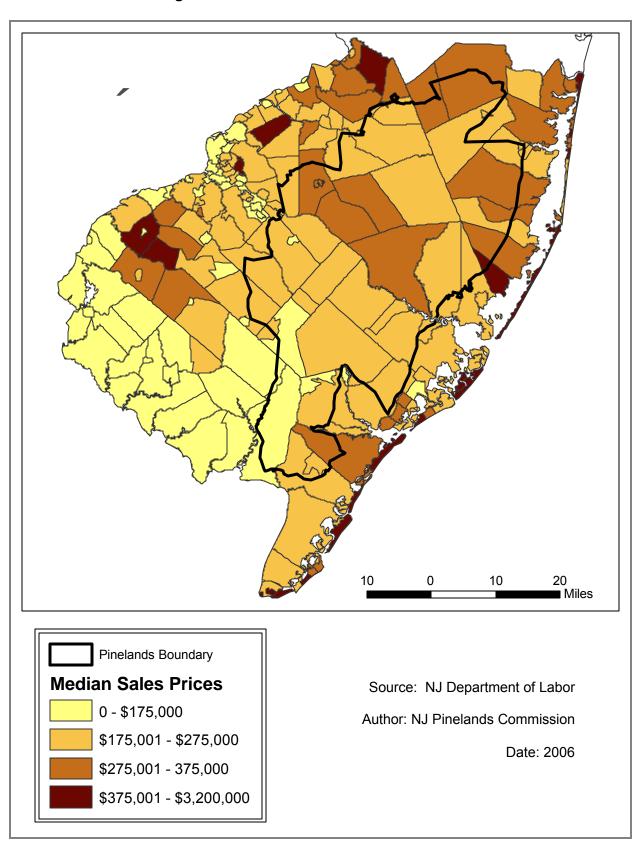


Figure R2 Median Home Sales Prices 2005

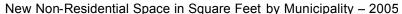


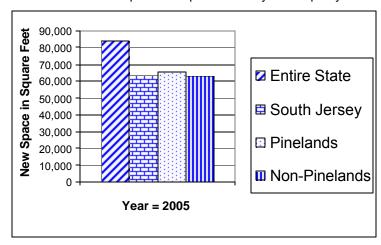
Certificates of Occupancy for Non-Residential Uses



NJ Dept of Community Affairs, Div of Codes & Standards

• According to Certificates of Occupancy issued, the average Pinelands municipality added 4.2% more new non-residential space than the Non-Pinelands municipality in 2005.





<u>Description</u>: Construction officials issue certificates of occupancy at the end of the construction process, when buildings are complete and ready for occupancy. In contrast to building permits, which establish planned growth, certificates of occupancy document actual new growth on the ground. Certificate of Occupancy activity for non-residential uses is reported in square feet instead of the absolute number of units as in residential certificates of occupancy.

<u>Unit of Analysis</u>: Municipal level data are aggregated to allow for inside/outside Pinelands analyses. The aggregation method calculates the sum of all new non-residential uses in square feet for 2005.

Supplemental Data:

The most consistent pattern that is apparent in the entire collection of data that is tracked by the Pinelands Long-Term Economic Monitoring Program is the similarity between the inner-most sections of the Pinelands and Salem and Cumberland Counties. A prime example is the data on farmland assessment – clearly, the economic agricultural engines of South Jersey reside primarily in these areas. Similarly, these areas tend to be very low in relation to the remainder of South Jersey when it comes to non-residential uses of land other than agriculture (e.g. commercial and industrial space). The data collected here reflects that phenomena, but as an overall region the Pinelands still is faring well in regards to the change in non-residential uses. This is due to the relatively strong non-residential markets that exist on the western, southern, and northeastern boundaries of the Pinelands (see Figure RE3).

In 2005, the average Pinelands municipality had 4.2% more new non-residential square footage of space than their Non-Pinelands counterpart. This may be a reflection of the service industries that have arisen in response to the concurrent increase in population inside the Pinelands boundary relative to the Non-Pinelands. Whatever the reason, it is clear that the Pinelands municipalities on average are now on at least an equal footing when it comes to attracting new non-residential space. Though data is sparse for the period prior to 1996, the trend since 1996 shows that the Pinelands region has become more and more competitive over time in regards to non-residential uses.

For 2005, 28% of all Pinelands municipalities issued certificates of occupancy for non-residential uses in excess of 100,000 square feet of new space. In comparison, only 14% of municipalities in the Non-Pinelands issued certificates of occupancy in excess of 100,000 square feet. This finding helps explain the narrowing in equalized property value between the Pinelands and Non-Pinelands. It appears that in addition to outperforming the Non-

Pinelands in relation to home values that the Pinelands region is also beginning to compete more favorably with the Non-Pinelands for non-residential uses. However, the distribution across the Pinelands region seems to be more variable than in the Non-Pinelands – over the same time period, 40% of Pinelands municipalities added less than 10,000 square feet of new space.

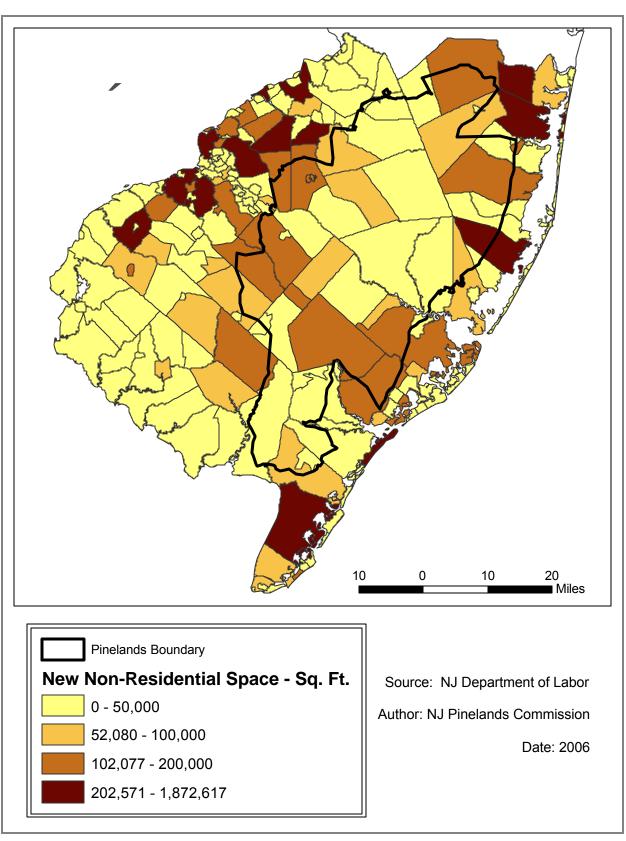
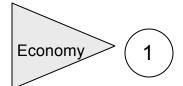


Figure R3 New Non-Residential Space in Square Feet – 2005

Table R4S New Non-Residential Space in Square Feet - 2005

Municipality	Municipality County		South Jersey Rank		
Stafford	Ocean	328,842	9		
Monroe	Gloucester	197,682	15		
Beachwood	Ocean	194,382	16		
Galloway	Atlantic	184,423	18		
Evesham	Burlington	171,962	20		
Egg Harbor Township	Atlantic	165,535	21		
Hamilton	Atlantic	148,760	23		
Lacey	Ocean	147,908	24		
Winslow	Camden	147,196	25		
Folsom	Atlantic	146,388	26		
Medford Lakes	Burlington	141,426	27		
Medford	Burlington	118,232	32		
Jackson	Ocean	109,849	33		
Tabernacle	Burlington	88,004	39		
Southampton	Burlington	82,107	41		
Dennis	Cape May	72,168	45		
Franklin	Gloucester	71,224	46		
Little Egg Harbor	Ocean	70,241	48		
Manchester	Ocean	65,787	51		
Hammonton	Atlantic	64,942	52		
Berlin Township	Camden	55,014	56		
Egg Harbor City	Atlantic	52,080	57		
Buena Vista	Atlantic	37,319	67		
Waterford	Camden	31,768	71		
Barnegat	Ocean	25,837	75		
Pemberton Township	Burlington	25,321	76		
Upper	Cape May	23,248	81		
Mullica	Atlantic	22,004	83		
Plumsted	Ocean	18,001	88		
Maurice River	Cumberland	15,325	92		
Ocean	Ocean	10,791	103		
Eagleswood	Ocean	9,573	105		
Shamong	Burlington	7,925	111		
Estell Manor	Atlantic	5,816	115		
Woodland	Burlington	5,176	118		
Buena	Atlantic	4,308	122		
Woodbine	Cape May	3,875	126		
Wrightstown	Burlington	3,840	127		
Berkeley	Ocean	3,071	129		
Weymouth	Atlantic	2,952	135		
Lakehurst	Ocean	1,957	143		
		· · · · · · · · · · · · · · · · · · ·			
Washington Chesilhurst	Burlington Camden	1,584 1,440	145 146		
	Burlington	744			
New Hanover			152		
Port Republic	Atlantic	0	162		
Bass River	Burlington	0	162		
South Toms River	Ocean	0	162		
"Outside" Municipalities	Oursels and a real	400 444	10		
Vineland	Cumberland	183,141	19		
Berlin Borough	Camden	46,110	62		
North Hanover	Burlington	19,038	87		
Springfield	Burlington	3,040	130		
Corbin City	Atlantic	2,400	139		



Per Capita Income US Census Bureau 1979, 1989, 1999

Updated

Per Capita Income is lower in the Pinelands than in the Non-Pinelands, but is growing at a faster rate.

Per Capita Income

Location	1979 PCI (2004 \$)	1989 PCI (2004 \$)	1999 PCI (2004 \$)	Change 1979-89	Change 1989-99	Change 1979-99
Pinelands	\$16,641	\$22,065	\$23,806	33%	11%	47%
Non-Pinelands	\$19,494	\$27,104	\$27,896	39%	3%	43%
Statewide	\$21,214	\$28,600	\$30,719	35%	7%	45%

<u>Description</u>: Per capita income is an important indicator of regional economic health because it provides information regarding the ability of a region's residents to make purchases and pay taxes, and provides a measure of the economic well being of individuals. Values are adjusted for inflation and shown in 2004 dollars (not 2003 dollars).

<u>Unit of Analysis</u>: Per capita income data are compiled at the municipal level and aggregated to allow for inside/outside Pinelands and statewide analyses.

Summary of Previous Findings

Real per capita income increased significantly inside and outside of the Pinelands during the 1980s, unlike many areas of the country. Per capita income growth in the Pinelands more than kept pace and finished slightly behind the surrounding region in terms of percentage change between 1980 and 1990. The level of per capita income remained higher in absolute terms in the Non-Pinelands region compared to the Pinelands region

Per capita income continued to increase during the 1990s, but the rate of growth was much lower than in the 1980s. The Pinelands region experienced an 11% increase in income levels between 1989 and 1999, compared to an increase of 7% for the state and 3% for the Non-Pinelands region. While the Pinelands region is catching up to the rest of the state, its income levels are still significantly lower than the rest of the state. Medford Township, Medford Lakes, and Shamong had the highest incomes in the Pinelands, while New Hanover, Washington, and Woodbine had the lowest income levels. Woodland experienced the largest increase in income between 1990 and 2000 (74%), while Washington had the largest decrease (40%). The changes in both towns are anomalies related to shifts in institutional group quarters population and volatility due to small population size. A positive sign is that many towns with the lowest per capita incomes experienced the largest increases in income (i.e. Woodbine, Wrightstown, South Toms River, Maurice River, and Lakehurst).

Geographically, income levels appear as a series of bands that run across Southern New Jersey. A band of higher income surrounds the Philadelphia metropolitan area and stretches into the upper-middle portion of the Pinelands. This band represents suburbanizing communities outside of the city. The band is actually split in two by older, working class suburbs and rural communities that have only begun to suburbanize. Another thin band of high income stretches along the shore. A band of more moderate income stretches across the south-central half of the state, and a smaller, moderate income area is located in the northeastern part of Southern New Jersey. These communities tend to be rural communities, with some experiencing recent suburbanization. A region of poverty exists in the extreme southern portion of the state, along with a small pocket of lower income in the heart of the Pinelands. These areas are predominantly rural, and are the least impacted by development. Smaller pockets of poverty persist in the military towns of Burlington County, and in the older urban areas such as Camden and Atlantic City, which have suffered economic hardship. It is interesting to note that while the Pinelands does have a lower Per Capita income than the Non-Pinelands region, these bands of different income stretch across Southern New Jersey regardless of the Pinelands boundary.

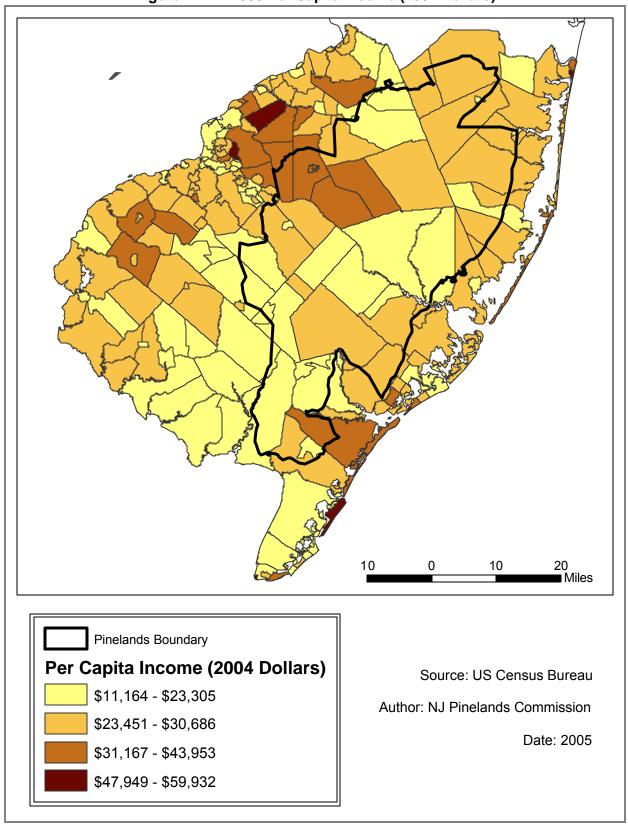


Figure E1 1999 Per Capita Income (2004 Dollars)

47

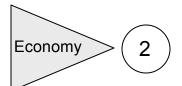
^{*} This range excludes Mantoloking Borough, Ocean County, because it is an extreme outlier.

Table E1 Per Capita Income by Pinelands Municipality (2004 Dollars)

Medford Lakes Boro	Municipality	County	1999	1989	1979	Change 1989-1999	Change 1979-1989
Shamong Twp. Burlington \$35.187 \$28,747 \$19,110 22% 50% Evesham Twp. Burlington \$33.549 \$30,544 \$22,522 10% 36	Medford Twp.		\$43,953	\$37,570	\$24,947	17%	51%
Evesham Twp. Burlington \$33,549 \$30,545 \$22,522 10% 36% 71% Tabernacle Twp. Burlington \$31,766 \$31,054 \$18,181 2% 71% Vipper Twp. Cape May \$31,278 \$28,923 \$18,802 16% 43% Southampton Twp. Burlington \$30,686 \$25,501 \$20,050 20% 27% Woodland Twp.* Burlington \$30,686 \$25,501 \$20,050 20% 27% Sufford Twp. Ocean \$28,888 \$22,356 \$17,447 29% 28% Port Republic City Atlantic \$27,719 \$26,901 \$21,055 3% 28% Jackson Twp. Ocean \$27,728 \$24,615 \$17,247 11% 41% Jackson Twp. Ocean \$27,728 \$24,615 \$17,247 11% 41% Jackson Twp. Ocean \$25,969 \$20,577 \$18,332 26% 12% Manchester Twp. Ocean \$25,969 \$20,577 \$18,332 26% 12% Manchester Twp. Ocean \$25,517 \$22,972 \$16,623 11% 38% Manchester Twp. Ocean \$25,517 \$22,972 \$16,623 11% 38% Deprison Twp. Ocean \$25,526 \$21,173 \$16,589 19% 25% 25% Deprison Twp. Camden \$25,526 \$21,173 \$16,589 19% 25% 25% Deprison Twp. Camden \$24,656 \$22,321 \$16,325 10% 37% Deprison Twp. Cape May \$24,404 \$23,385 \$16,286 4% 44% Hamilton Twp. Camden \$24,176 \$21,421 \$16,570 13% 29% Beachwood Boro Ocean \$24,176 \$21,421 \$16,570 13% 29% Beachwood Boro Ocean \$24,176 \$21,421 \$16,570 13% 29% Beachwood Boro Ocean \$24,176 \$21,421 \$16,570 13% 29% Beachwood Twp. Ocean \$23,451 \$20,007 \$13,991 17% 43% Minitor Twp. Cape May \$23,345 \$21,765 \$16,116 9% 43% A44% Minitor Twp. Ocean \$23,451 \$20,007 \$13,991 17% 43% Minitor Twp. Burlington \$23,451 \$20,007 \$13,991 17% 43% Minitor Twp. Burlington \$23,451 \$20,007 \$13,991 17% 43% Minitor Twp. Atlantic \$22,613 \$23,903 \$18,557 5% 29% Minitor Twp. Burlington \$21,833 \$19,272 \$14,764 41% 31% 4	Medford Lakes Boro	Burlington		\$33,879	\$24,824	5%	36%
Tabernade Twp. Burlington \$31,706 \$31,054 \$18,181 2% 71% Upper Twp. Cape May \$31,278 \$26,923 \$18,802 16% 43% Southampton Twp. Burlington \$30,686 \$25,501 \$20,050 20% 27% Woodland Twp. Burlington \$32,818 \$31,065 \$10,685 74% 60% Stafford Twp. Ocean \$28,788 \$22,365 \$17,447 29% 28% Port Republic City Atlantic \$27,779 \$26,901 \$21,058 3% 28% Docan Twp. Ocean \$22,317 \$22,972 \$16,833 26% 12% Lacey Twp. Ocean \$25,517 \$22,972 \$16,833 26% 12% Pumsted Twp. Ocean \$25,519 \$20,577 \$18,332 26% 12% Backes Twp. Ocean \$25,519 \$22,721 \$16,833 \$12% 20% Egg Harbor Twp. Ocean \$25,309 \$22,781	Shamong Twp.		\$35,187	\$28,747	\$19,110		
Upper Tvp Cape May \$31,278 \$26,923 \$18,802 16% 43% Southampton Twp. Burlington \$30,688 \$25,501 \$20,050 20% 27% Woodland Twp. Burlington \$20,868 \$25,501 \$20,050 20% 27% Woodland Twp. Ocean \$28,888 \$22,356 \$17,447 29% 28% Port Republic City Atlantic \$27,778 \$24,615 \$11,7427 \$11% 41% Jackson Twp. Ocean \$22,738 \$34,615 \$17,427 \$11% 41% Lacey Twp. Ocean \$25,969 \$20,577 \$18,332 26% \$2% Plumisted Twp. Ocean \$25,969 \$20,577 \$18,332 26% \$2% Plumisted Twp. Ocean \$25,509 \$20,577 \$18,332 26% \$2% Eigh Harbor Twp. Atlantic \$25,309 \$22,431 \$17,915 \$% 35% Berlin Twp. Capaen \$25,250 \$20,638	Evesham Twp.	Burlington	\$33,549	\$30,545	\$22,522	10%	36%
Southampton Twp. Burlington \$30.686 \$25,501 \$20.050 \$20% \$27% \$20.060 \$20% \$27% \$20.060 \$20% \$27% \$20.060 \$20% \$27% \$20.060 \$20% \$27.065 \$10.658 \$74% \$60% \$22.060 \$20% \$20% \$20% \$20% \$20% \$20% \$20% \$20	Tabernacle Twp.	Burlington		\$31,054	\$18,181		
Woodland Twp.	Upper Twp.	Cape May	\$31,278	\$26,923	\$18,802		
Stafford Twp.		Burlington	\$30,686			20%	27%
Port Republic City Allantic \$27.719 \$26.901 \$21.058 3% 28% Jackson Twp. Ocean \$27.278 \$24.615 \$17.427 11% 41% Lacey Twp. Ocean \$26.317 \$22.738 \$17.262 16% 32% Ocean Twp. Ocean \$25.969 \$20.577 \$18.332 26% 12% Ocean Twp. Ocean \$25.969 \$20.577 \$18.332 26% 12% Manchester Twp. Ocean \$25.969 \$20.577 \$18.332 26% 12% Manchester Twp. Ocean \$25.969 \$22.578 \$18.943 12% 20% Manchester Twp. Ocean \$25.400 \$22.781 \$18.943 12% 20% Manchester Twp. Altantic \$25.397 \$24.243 \$17.915 5% 35% Berkeley Twp. Ocean \$25.526 \$21.173 \$16.589 19% 28% Ocean \$25.252 \$22.173 \$16.255 10% 37% Ocean \$24.666 \$22.321 \$16.255 10% 37% Ocean \$24.666 \$22.321 \$16.255 10% 37% Ocean \$24.404 \$23.385 \$16.281 \$22% \$27% Ocean \$24.404 \$23.385 \$16.281 \$22% \$27% Ocean \$24.404 \$23.385 \$16.286 \$4% \$44% Ocean \$24.168 \$22.176 \$16.166 9% 38% Ocean \$24.168 \$22.176 \$16.116 9% 38% Ocean \$24.168 \$22.176 \$16.116 9% 38% Ocean \$23.451 \$22.491 \$16.570 13% 30% Ocean \$23.451 \$20.067 \$13.991 \$17.257 \$4% \$44% Ocean \$23.451 \$20.067 \$13.991 \$17.257 \$4% \$44% Ocean \$23.451 \$20.067 \$13.991 \$17% \$43% \$13.091 \$10.000 \$10.0000 \$10.0000 \$10.0000 \$10.0000 \$10.0000 \$10.0000 \$10.0000 \$10.0000 \$10.0000 \$10.0000 \$10.0000 \$10.0000 \$10.0		Burlington	\$29,718	\$17,065	\$10,658	74%	
Jackson Twp.			\$28,888	\$22,356	\$17,447		
Lacey Twp. Ocean \$26,317 \$22,738 \$17,262 16% 32%		Atlantic					
Ocean Twp. Ocean \$25,969 \$20,577 \$18,332 26% 12% Plumsted Twp. Ocean \$25,517 \$22,972 \$16,623 11% 38% Manchester Twp. Ocean \$25,490 \$22,781 \$18,943 12% 20% Egg Harbor Twp. Atlantic \$25,397 \$24,243 \$17,915 5% 35% Berlin Twp. Camden \$25,250 \$21,173 \$16,589 19% 28% Berlin Twp. Camden \$25,250 \$21,173 \$16,589 19% 28% Waterford Twp. Camden \$25,226 \$20,638 \$16,281 22% 27% Waterford Twp. Camden \$24,644 \$23,3385 \$16,285 10% 37% Dennis Twp. Cape May \$24,404 \$23,3385 \$16,286 44% 44% Hamilton Twp. Atlantic \$24,238 \$24,373 \$17,672 -1% 38% Galloway Twp. Atlantic \$23,942 \$24,914 \$17,2	Jackson Twp.						
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Manchester Twp. Ocean \$25,490 \$22,781 \$18,943 \$12% 20% Egg Harbor Twp. Atlantic \$25,397 \$24,243 \$17,915 5% 35% Berkeley Twp. Ocean \$25,250 \$21,173 \$16,589 19% 28% Berlin Twp. Camden \$25,226 \$20,638 \$16,281 22% 27% Waterford Twp. Camden \$24,626 \$22,321 \$16,325 10% 37% Dennis Twp. Cape May \$24,404 \$23,385 \$16,285 4% 44% Hamilton Twp. Atlantic \$24,238 \$24,373 \$17,672 -1% 38% Winslow Twp. Camden \$24,168 \$22,176 \$16,116 9% 38% Galloway Twp. Atlantic \$23,942 \$24,914 \$17,257 -4% 44% Eagleswood Twp. Ocean \$23,454 \$21,766 \$16,717 8% 30% Eagleswood Twp. Ocean \$23,451 \$20,067 \$13		Ocean	\$25,969	\$20,577	\$18,332		
Egg Harbor Twp. Atlantic \$25,397 \$24,243 \$17,915 5% 35% Berkeley Twp. Ocean \$25,250 \$21,173 \$16,589 19% 28% Berlin Twp. Camden \$25,226 \$20,638 \$16,281 22% 27% Waterford Twp. Camden \$24,656 \$22,321 \$16,325 10% 37% Dennis Twp. Cape May \$24,404 \$23,385 \$16,286 4% 44% Hamilton Twp. Atlantic \$24,238 \$24,373 \$17,672 -1% 38% Winslow Twp. Camden \$24,176 \$21,421 \$16,570 13% 29% Beachwood Boro Ocean \$24,168 \$22,176 \$16,116 9% 38% Galloway Twp. Atlantic \$23,942 \$24,914 \$17,257 -4% 44% Little Egg Harbor Twp. Ocean \$23,451 \$20,267 \$13,991 17% 43% Folsom Boro Atlantic \$23,451 \$20,257 <t< td=""><td></td><td>Ocean</td><td></td><td></td><td>. ,</td><td></td><td></td></t<>		Ocean			. ,		
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Berlin Twp. Camden \$25,226 \$20,638 \$16,281 22% 27% Waterford Twp. Camden \$24,656 \$22,321 \$16,325 10% 37% Dennis Twp. Cape May \$24,404 \$23,385 \$16,286 4% 44% Hamilton Twp. Atlantic \$24,238 \$24,373 \$17,672 -1% 38% Winslow Twp. Camden \$24,176 \$21,421 \$16,570 13% 29% Beachwood Boro Ocean \$24,168 \$22,176 \$16,116 9% 38% Galloway Twp. Atlantic \$23,942 \$24,914 \$17,276 -4% 44% Little Egg Harbor Twp. Ocean \$23,451 \$20,067 \$13,991 17% 43% Folsom Boro Atlantic \$23,451 \$20,067 \$13,991 17% 43% Folsom Boro Atlantic \$23,305 \$21,003 \$16,531 11% 27% Bass River Twp. Burlington \$23,184 \$19,865	Egg Harbor Twp.	Atlantic	\$25,397				
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Beachwood Boro Ocean \$24,168 \$22,176 \$16,116 9% 38% Galloway Twp. Atlantic \$23,942 \$24,914 \$17,257 -4% 44% Little Egg Harbor Twp. Ocean \$23,454 \$21,766 \$16,717 8% 30% Eagleswood Twp. Ocean \$23,451 \$20,067 \$13,991 17% 43% Folsom Boro Atlantic \$23,451 \$20,067 \$13,991 17% 43% Folsom Boro Atlantic \$23,451 \$20,259 \$16,688 16% 21% Monroe Twp. Gloucester \$23,305 \$21,003 \$16,531 11% 27% Bass River Twp. Burlington \$23,184 \$19,865 \$16,642 17% 18% Franklin Twp. Gloucester \$23,055 \$20,647 \$16,043 12% 29% Hammonton town Atlantic \$22,623 \$23,903 \$18,557 -5% 29% Mullica Twp. Atlantic \$22,623 \$23,933<		Atlantic					
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Little Egg Harbor Twp. Ocean \$23,454 \$21,766 \$16,717 8% 30% Eagleswood Twp. Ocean \$23,451 \$20,067 \$13,991 17% 43% Folsom Boro Atlantic \$23,451 \$20,067 \$13,991 17% 43% Folsom Boro Atlantic \$23,451 \$20,059 \$16,688 16% 21% Monroe Twp. Gloucester \$23,305 \$21,003 \$16,531 11% 27% Bass River Twp. Burlington \$23,184 \$19,865 \$16,842 17% 18% Franklin Twp. Gloucester \$23,065 \$20,647 \$16,043 12% 29% Hammonton town Atlantic \$22,623 \$23,903 \$18,557 -5% 29% Mullica Twp. Atlantic \$22,623 \$23,903 \$18,557 -5% 29% Mullica Twp. Atlantic \$22,481 \$21,181 \$16,798 6% 6% 26% Estell Manor City Atlantic \$22,145 \$23,933 \$16,865 -7% 42% Barnegat Twp. Ocean \$21,961 \$20,044 \$14,996 10% 34% Pemberton Twp. Burlington \$21,883 \$19,272 \$14,764 14% 31% Weymouth Twp. Atlantic \$21,597 \$20,707 \$15,753 4% 31% Lakehurst Boro Ocean \$20,918 \$16,040 \$13,676 30% 17% Buena Vista Twp. Atlantic \$20,909 \$19,278 \$14,751 8% 31% Maurice River Twp. Cumberland \$19,497 \$15,572 \$12,658 25% 23% Banena Boro Atlantic \$19,015 \$18,222 \$16,905 4% 8% South Toms River Boro Ocean \$18,532 \$15,329 \$12,791 21% 20% Chesilhurst Boro Camden \$17,349 \$17,111 \$13,655 1% 25% Egg Harbor City Atlantic \$17,234 \$19,090 \$18,097 -10% 5% Winghtstown Boro Burlington \$15,898 \$26,357 \$14,516 -40% 82% Woodbine Boro Cape May \$15,168 \$11,505 \$9,637 32% 19% New Hanover Twp. Burlington \$13,809 \$13,866 \$13,592 0% 2% "Outside" Municipalities Springfield Twp. Burlington \$33,353 \$28,361 \$19,030 18% 47% Dover Twp. Ocean \$28,448 \$26,447 \$19,048 8% 39% Berlin Boro Camden \$28,067 \$24,112 \$20,551 16% 17% Corbin City Atlantic \$24,252 \$23,097 \$18,142 5% 27%	Beachwood Boro	Ocean			\$16,116		
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Dover Twp. Ocean \$28,448 \$26,447 \$19,048 8% 39% Berlin Boro Camden \$28,067 \$24,112 \$20,551 16% 17% Corbin City Atlantic \$24,252 \$23,097 \$18,142 5% 27%	·	Burlington	\$33,353	\$28,361	\$19.330	18%	47%
Berlin Boro Camden \$28,067 \$24,112 \$20,551 16% 17% Corbin City Atlantic \$24,252 \$23,097 \$18,142 5% 27%	, ,						
Corbin City Atlantic \$24,252 \$23,097 \$18,142 5% 27%							
VIDERANG LIIV TERMINENANG FAZISKI FATURTI FATIKUKT FARIKA FAZIV.	Vineland City	Cumberland	\$21,381	\$19,811	\$16,061	8%	23%

^{*} Large change is partially the result of a large decrease in institutional population

⁺ Erratic change caused by small population size and presence of large institutional population



Unemployment



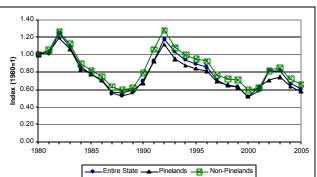
New Jersey Department of Labor 1980 – 2005

• Unemployment decreased sharply in 2005 across all regions. In 2005, the unemployment rate in the Pinelands was the 2nd lowest it has been in the last 25 years.

Unemployment Rate

10% 8% 6% 6% 2% 0% 1980 1985 1990 1995 2000 2005 — Entire State — Pinelands — Non-Pinelands

Index of Unemployment Rate



<u>Description</u>: The unemployment rate is the proportion of the labor force (the number of people available to be, and desiring to be, working for pay) residing in an area which is unemployed (not working for pay) at a given point in time.

<u>Unit of Analysis</u>: Municipal level data are aggregated to allow for inside/outside Pinelands and statewide analyses. Values are based on sums for each region and not averages.

Summary of Previous Findings

Trends in unemployment in the Pinelands and Non-Pinelands regions have tracked closely together, with levels in the Pinelands consistently lower than the levels in the Non-Pinelands from 1990-2000. Unemployment in New Jersey appeared to follow general economic conditions, declining in the mid-1980s before increasing at the turn of the decade during the recession. Following a peak in 1992, unemployment levels declined steadily by roughly four percentage points by 2000, coinciding with a period of economic growth. Unemployment rose in 2001 with the onset of recession, and job recovery following the end of the recession in 2002 was sluggish with modest increases in unemployment in 2002 and 2003. In 2004, unemployment decreased in all regions of the state for the first time in four years.

Update

The national job market continued to improve in 2005. According to the US Bureau of Labor statistics, approximately 7.6 million Americans were unemployed in 2005, compared to 8.1 million in 2004. The national unemployment rate dropped by 0.4 of a percentage point from 5.5% in 2004 to 5.1% in 2005.

Job growth in New Jersey matched the national average with the unemployment rate dropping 0.4% from 4.8% in 2004 to 4.4% in 2005. In the Pinelands, the unemployment rate also dropped 0.4% to settle at 4.4%. The Non-Pinelands experienced a slightly larger decrease in unemployment during the year (-0.5%), finis hing with an average rate of 4.9% for the year. In the 25 years of data that is covered in the monitoring period (1980 - 2004), the Pinelands has recorded a lower unemployment rate than the Non-Pinelands in every year with the exception of two: 1980 and 2001.

Unemployment rates in Southern New Jersey are generally the lowest in the easternmost suburbs of Trenton and Philadelphia. The highest rates in South Jersey are found in Cumberland and Cape May counties, although those areas have shown the most improvement in regards to employment gains relative to the rest of the region from 2002-2005 (Figure E2). Among Pinelands communities, four municipalities showed tremendous improvement in 2005, cutting their unemployment rates in half from the 3 year period of 2002 - 2005: Buena (12.5% in 2002 to 6.2% in 2005), Wrightstown (11.5% to 5.5% in three years), Upper Township (6.2% to 1.9% in three years), and Buena Vista (8.0% to 4.2% in three years).

Table E2 Unemployment 2002 – 2005

	Table E2	Offici	npioyment	2002 200	,,,	
5Municipality	County	2005	2004	2003	2002	Three Year Change 2002 - 2005
Lakehurst	Ocean	5.7%	3.9%	4.5%	4.3%	1.4%
Waterford	Camden	4.7%	3.1%	3.5%	3.3%	1.4%
Estell Manor	Atlantic	4.6%	3.0%	3.4%	3.3%	1.3%
Hammonton	Atlantic	6.5%	5.1%	5.9%	5.6%	0.9%
Franklin	Gloucester	6.5%	5.5%	6.2%	5.9%	0.6%
Winslow	Camden	5.9%	5.0%	5.6%	5.4%	0.5%
Monroe	Gloucester	5.0%	4.2%	4.7%	4.5%	0.5%
South Toms River	Ocean	7.5%	6.6%	7.6%	7.1%	0.4%
New Hanover	Burlington	3.2%	2.6%	3.0%	2.9%	0.3%
Evesham	Burlington	2.7%	2.4%	2.6%	2.6%	0.1%
Ocean	Ocean	5.5%	5.0%	5.7%	5.4%	0.1%
Southampton	Burlington	5.0%	4.5%	5.0%	5.0%	0.0%
Galloway	Atlantic	4.5%	4.5%	5.2%	4.9%	-0.4%
Hamilton	Atlantic	4.3%	4.3%	5.0%	4.7%	-0.4%
Washington	Burlington	5.9%	5.8%	6.3%	6.4%	-0.4 %
Shamong	Burlington	2.8%	3.1%	3.4%	3.4%	-0.6%
Port Republic	Atlantic	2.8%	3.1%	3.4%	3.6%	-0.7%
Barnegat	Ocean	4.2%	4.6%	5.3%	5.0%	-0.7 %
Pemberton Township	Burlington	5.5%	5.9%	6.4%	6.4%	-0.9%
	Atlantic	8.2%	8.4%	9.6%	9.1%	-0.9%
Egg Harbor City						
Lacey	Ocean	4.6%	5.1%	5.9%	5.6%	-1.0%
Manchester	Ocean	5.5%	6.0%	6.9%	6.5%	-1.0%
Plumsted	Ocean	2.9%	3.5%	4.1%	3.9%	-1.0%
Eagleswood	Ocean	4.0%	4.7%	5.4%	5.1%	-1.1%
Tabernacle	Burlington	2.0%	2.8%	3.1%	3.1%	-1.1%
Egg Harbor Township	Atlantic	4.2%	5.0%	5.7%	5.4%	-1.2%
Berkeley	Ocean	5.5%	6.2%	7.1%	6.7%	-1.2%
Jackson	Ocean	3.9%	4.8%	5.5%	5.2%	-1.3%
Berlin Township	Camden	2.9%	4.0%	4.5%	4.3%	-1.4%
Bass River	Burlington	3.7%	4.8%	5.2%	5.3%	-1.6%
Folsom	Atlantic	3.1%	4.3%	5.0%	4.7%	-1.6%
Beachwood	Ocean	4.5%	5.6%	6.4%	6.1%	-1.6%
Chesilhurst	Camden	6.2%	7.3%	8.2%	7.9%	-1.7%
Maurice River	Cumberland	3.7%	4.4%	5.8%	5.6%	-1.9%
Stafford	Ocean	3.8%	5.2%	6.0%	5.7%	-1.9%
Medford Lakes	Burlington	1.7%	3.5%	3.8%	3.8%	-2.1%
Little Egg Harbor	Ocean	5.0%	6.6%	7.6%	7.2%	-2.2%
Medford	Burlington	2.2%	4.3%	4.7%	4.7%	-2.5%
Woodland	Burlington	3.0%	5.0%	5.5%	5.5%	-2.5%
Mullica	Atlantic	5.4%	7.3%	8.4%	8.0%	-2.6%
Woodbine	Cape May	7.5%	7.4%	10.7%	10.3%	-2.8%
Weymouth	Atlantic	3.0%	5.3%	6.1%	5.8%	-2.8%
Dennis	Cape May	3.8%	4.7%	6.9%	6.7%	-2.9%
Buena Vista	Atlantic	4.2%	7.4%	8.4%	8.0%	-3.8%
Upper	Cape May	1.9%	4.3%	6.4%	6.2%	-4.3%
Wrightstown	Burlington	5.5%	10.1%	11.0%	11.0%	-5.5%
Buena	Atlantic	6.2%	11.5%	13.1%	12.5%	-6.3%
"Outside Municipalities"		0.270	1 1.0 /0	13.170	12.070	0.070
Springfield	Burlington	4.1%	3.6%	3.9%	3.9%	0.2%
Berlin Borough	Camden	4.1%	4.4%	5.0%	4.8%	-0.5%
Corbin City	Atlantic	3.6%	4.4%	4.9%	4.6%	-0.5%
•		4.7%	6.0%	6.5%	6.5%	-1.0%
North Hanover	Burlington		6.5%		8.2%	
Vineland	Cumberland	5.8%	0.5%	8.4%	0.270	-2.4%

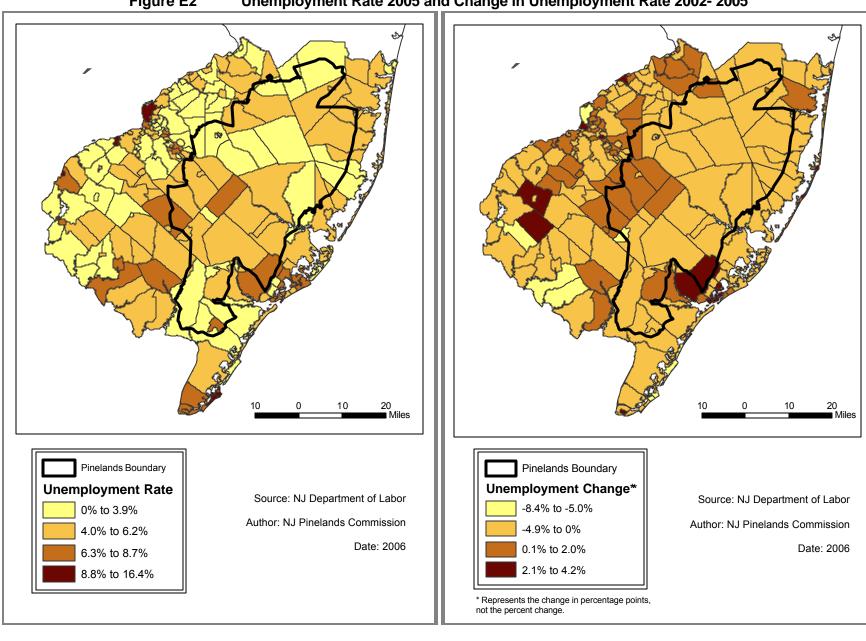
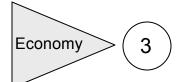


Figure E2 Unemployment Rate 2005 and Change in Unemployment Rate 2002- 2005



Employment, Establishments, Wages

New Jersey Department of Labor 1991 – 2003

Updated

• In the past ten years, growth in employment and the number of establishments has increased at three times the rate in the Pinelands than in the Non-Pinelands and the state as a whole.

2003 NAICS	Largest Employment Sector	2 nd Largest Sector	3 ^{rα} Largest Sector
Atlantic	Accomodation & Food (42%)	Retail (12%)	Health Care (12%)
Burlington	Retail (17%)	Health Care (12%)	Manufacturing (11%)
Camden	Health Care (18%)	Retail (14%)	Manufacturing (10%)
Cape May	Accomodation & Food (26%)	Retail (21%)	Health Care (12%)
Cumberland	Manufacturing (22%)	Health Care (16%)	Retail (16%)
Gloucester	Retail (21%)	Health Care (13%)	Manufacturing (11%)
Ocean	Retail (23%)	Health Care (22%)	Accomodation & Food (10%)
Salem	Health Care (15%)	Retail (13%)	Manufacturing (13%)
Pinelands	Retail (21%)	Health Care (13%)	Construction (10%)
Non-Pinelands	Retail (16%)	Health Care (15%)	Accomodation & Food (15%)
New Jersey	Retail (14%)	Health Care (13%)	Manufacturing (11%)

<u>Description</u>: These three variables collectively describe the composition, size, strength, and location of the job market. The first variable, *employment*, is a basic measure of economic health. Employment data count the number of jobs tracked by unemployment insurance coverage.¹¹ The data are broken down to the first Standard Industrial Classification (SIC) code level (major industry division) to track the shifting of activity between major economic components. The second variable, *number of establishments*, refers to the number of businesses that have employees and is presented at the single-digit SIC code level. The third variable, *wages*, is a measure of economic activity that complements employment and number of establishments. In 2001 the state began using the new North American Industrial Classification System (NAICS) and discontinued the use of SIC codes. NAICS data is broken down to the two-digit level for post 2000 data.

<u>Unit of Analysis</u>: Municipal level data is available for all three variables from the period 1993 to 1999. No municipal data is available for the years 2000-2002, but the NJ Department of Labor once again began collecting that data for 2003. The municipal level data previously collected is presented here along with the new data for 2003. It must be emphasized that there are limitations to municipal data due to disclosure regulations. ¹² Therefore, Pinelands and Non-Pinelands aggregates are approximations, not exact counts. The NJ Department of Labor is under contract to produce county level data each year, so county level data is included as well. County level data is subjected to the same limitations, but to a lesser degree. Municipal data is not comparable to the county data due to the effects of data suppression (i.e. the sum of the municipal parts does not equal the county whole).

Summary of Previous Findings

Employment

The Pinelands region outpaced the Non-Pinelands region and the state for growth in employment from 1993 to 1998. Employment in the Pinelands grew by 16.2% during that period, compared to 10% for the state and 9.2% for the Non-Pinelands region. The largest sectors of employment in the Pinelands are retail, health care, and construction.

Because government employment is not included in all data sets, any such data have been omitted to facilitate comparisons over the entire monitoring period. Federal, state, local, and postal service jobs are therefore not represented in the data shown. This exclusion is in addition to the types of employment not tracked by the New Jersey Department of Labor, which includes "self-employed and unpaid family workers or certain agricultural and in-home domestic workers." As used in this report, the term "employment" refers to the modified private employment figures.

The information derived in this analysis was obtained from the records of the Covered Employment system, which does not release data in cases where it has the possibility of providing information about a single employer or employment location. Data are "suppressed" when the system contains information on three or fewer employers, or when one employer represents 80% or more of the market. While it is unlikely that data suppression has had a large effect at the county level, it is likely to affect data at the municipal level, especially when the data are further broken down by industrial sector.

Whereas the largest sectors for the state and Non-Pinelands region are services, retail, and manufacturing. While service employment is greater than retail employment in the Pinelands, employment in the Pinelands is weighted more towards the retail sector and less towards the service sector compared to the state and Non-Pinelands region. Employment shifts between different sectors was minimal in the Pinelands over the course of the monitoring period.

Establishments

The Pinelands region outpaced both the state and Non-Pinelands region for growth in new establishments from 1993 to 1998 by about a two to one margin. The Pinelands economy created 21.1% more establishments during the period, while the state grew 10.5% and the Non-Pinelands added 12.6% new businesses over the same time frame.

The sectors with the largest number of establishments are synonymous with the sectors of largest employment. Construction establishments comprise a larger percentage of total establishments in the Pinelands compared to the other regions. The percentage of total establishments in the agricultural sector is also larger in the Pinelands, while the percentage of service and retail sectors are fairly close between all three regions.

Wages

Average annual wages declined statewide from 1993 to 1998 by 2.7%. Southern New Jersey fared better in respect to wages over this time period with wages in the Pinelands rising 2.9% and wages in the Non-Pinelands increasing 3.3%. Average annual wages in the Pinelands still lagged \$2,000 behind the Non-Pinelands by 1998, and trailed the state as a whole by almost \$13,000 annually. The highest paying sectors in the Pinelands in 1998 were wholesale, finance-insurance-real estate, and construction. The highest paying sectors in the state were finance-insurance-real estate, transportation-communications-utilities, and wholesale, and the highest paying sectors in the Non-Pinelands were manufacturing, wholesale, and construction. Agricultural wages are much higher in the Pinelands compared to the Non-Pinelands region, while manufacturing wages are much lower in the Pinelands compared to the Non-Pinelands.

Employment	1993	1998	2003	% Change 93-98	% Change 98-03	Ten Year Change
State	2,872,496	3,160,385	3,264,274	10.0%	3.3%	13.6%
Pinelands	102,031	118,607	136,741	16.2%	15.3%	34.0%
Non Pinelands	550,063	600,769	610,972	9.2%	1.7%	11.1%
Establishments						
State	218,159	241,165	256,253	10.5%	6.3%	17.5%
Pinelands	9,346	11,320	12,363	21.1%	9.2%	32.3%
Non Pinelands	38,149	42,952	42,632	12.6%	-0.7%	11.8%
Wages						
State	\$46,610	\$45,355	\$47,202	-2.7%	4.1%	1.3%
Pinelands	\$31,535	\$32,437	\$33,860	2.9%	4.4%	7.4%
Non Pinelands	\$33,438	\$34,538	\$36,634	3.3%	6.1%	9.6%

Update

In the 2004 Annual Report, updates were provided only at the county level since new municipal data had not been available since 1999. Though data has not been provided for the missing years of 2000 to 2002, the new municipal data released for 2003 allows an analysis once again at the regional Pinelands versus Non-Pinelands level. The charts provided for the counties presented last year have been retained and updated since they capture more data at the individual industrial classification level since they are less subject to data suppression issues.

Employment

While employment was generally flat in the state as a whole and in the Non-Pinelands region from 1998-2003, the Pinelands region continued to post impressive job numbers. For the five-year period, employment increased 15.3% in the Pinelands; in contrast, the Non-Pinelands job market increased only 1.7% and the state increased only 3.3% over the same time frame. Since 1993, job growth in the Pinelands has grown at three times the rate of the Non-Pinelands and the rest of the state, adding almost 35,000 new jobs over that time (+34%).

Establishments

Growth in establishments slowed in all regions from 1998-2003 in comparison to 1993-1998. The Pinelands again fared better in this respect, however. Over the most recent five years, the Pinelands added 1,000 new establishments, a gain of 9.2% over 1998. The Non-Pinelands region actually posted a slight decrease (-0.7%) in establishments, dropping from 42,952 in 1998 to 42,632 in 2003. As a whole, the state posted a 6.3% increase in new businesses from 1998-2003. Over the past ten years, the Pinelands have added over 3,000 new establishments, which represents a gain of 32.3% over the 1993 level. That is twice the rate of growth of the state as a whole (+17.5%) and almost three times the rate of growth of the Non-Pinelands region (+11.8%).

Wages

Annual average wages climbed considerably in all three regions in the period between 1998 and 2003. After posting a real decrease in wages from 1993-1998 of 2.7%, the state as a whole increased average annual wages 4.1% from 1998-2003. Southern New Jersey fared even better over the past five years, with the Pinelands region wages rising 4.4% and the Non-Pinelands posting a strong 6.1% increase in average annual wages. Over the ten-year period of 1993-2003, Southern New Jersey has fared very well in comparison to North Jersey in respect to wage growth. During that time, wages in the state as a whole grew very slightly by 1.3%. In contrast, Non-Pinelands wages increased by 9.6% and the Pinelands region increased by 7.4% over the same time frame.

With the exception of Linwood, Folsom, Medford Lakes, and Evesham, all of the municipal economies at the highest end of the average annual wages scale are located to the west of the Pinelands (Figure E3). A number of these municipalities actually straddle the western border of South Jersey and are logical extensions of the Philadelphia metropolitan economy. Within the Pinelands, four municipalities are of particular note. Jackson, Plumsted, Manchester, and Hamilton, while all posting large increases in population over the past ten years, have relatively low annual wages for their local economies. Of those four, the Ocean County communities have served largely as residential communities. Hamilton, however, has had the largest increase in retail space in all of South Jersey in the past 10 years, but average annual wages nonetheless have lagged behind the rest of the region.

20 10 Miles Pinelands Boundary Source: NJ Dept of Community Affairs **Average Annual Wages** \$12,812 - \$26,141 Author: NJ Pinelands Commission \$26,142 - \$33,563 Date: 2005 \$33,564 - \$43,154 \$43,155 - \$75,462

Figure E3
2003 Average Annual Private Sector Wages for Municipal Economies (in 2004 dollars)

 Table E3a
 County Private Sector Employment

County	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	Ten Year Change
Atlantic	113,476	116,307	116,500	117,772	119,816	121,158	121,707	121,119	121,152	120,733	122,184	7.7%
Burlington	121,807	125,979	131,266	135,619	141,175	147,181	151,691	152,700	159,309	162,231	164,589	35.1%
Camden	151,416	156,719	162,748	162,964	165,755	169,553	169,511	166,157	166,567	167,576	169,238	11.8%
Cape May	26,990	27,463	27,226	27,697	28,635	29,149	29,579	29,270	30,985	31,667	32,163	19.2%
Cumberland	42,501	43,525	44,180	44,051	44,842	44,548	44,360	43,819	44,335	44,700	45,348	6.7%
Gloucester	58,462	60,910	65,966	66,581	67,923	69,730	71,711	72,329	74,182	75,464	79,463	35.9%
Ocean	91,843	96,057	98,607	100,073	101,951	102,875	103,708	106,008	110,190	114,037	116,338	26.7%
Salem	23,239	22,454	18,666	18,677	17,727	17,192	17,759	14,918	17,434	17,774	18,390	-20.9%
SJ Total	629,734	649,414	665,159	673,434	687,824	701,386	710,026	706,320	724,154	734,182	747,713	18.7%

 Table E3b
 County Private Sector Establishments

County	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	Ten Year Change
Atlantic	5,721	5,753	5,878	5,988	6,146	6,322	6,551	5,757	6,031	6,118	6,208	8.5%
Burlington	8,407	8,578	9,326	9,532	9,849	10,216	10,548	9,366	10,126	10,403	10,574	25.8%
Camden	10,908	11,034	12,089	12,282	12,666	12,957	13,235	11,601	12,303	12,452	12,720	16.6%
Cape May	3,765	3,812	3,784	3,851	3,982	4,073	4,232	3,668	3,965	3,982	4,098	8.8%
Cumberland	2,921	2,925	2,973	3,011	3,092	3,166	3,238	2,879	2,948	3,098	3,288	12.6%
Gloucester	4,661	4,730	5,076	5,184	5,339	5,523	5,707	5,052	5,243	5,463	5,717	22.7%
Ocean	8,807	9,011	9,467	9,787	10,164	10,537	10,996	9,627	10,372	10,701	11,008	25.0%
Salem	1,241	1,254	1,223	1,226	1,274	1,284	1,318	1,121	1,224	1,282	1,382	11.4%
SJ Total	46,431	47,097	49,816	50,861	52,512	54,078	55,825	49,071	52,212	53,499	54,995	18.4%

Table E3c County Private Sector Average Annual Wages

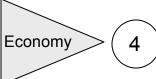
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County	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	Ten Year Change
Atlantic	\$33,418	\$33,114	\$32,641	\$32,889	\$32,494	\$32,596	\$32,184	\$32,123	\$32,750	\$33,028	\$33,092	-1.0%
Burlington	\$36,984	\$36,837	\$37,057	\$37,650	\$38,207	\$39,808	\$40,496	\$41,090	\$41,167	\$41,572	\$41,173	11.3%
Camden	\$36,084	\$35,841	\$35,628	\$35,896	\$36,327	\$36,718	\$37,278	\$37,277	\$37,594	\$38,288	\$39,285	8.9%
Cape May	\$25,047	\$25,334	\$24,887	\$24,893	\$24,918	\$25,299	\$25,648	\$25,754	\$25,734	\$26,438	\$26,736	6.7%
Cumberland	\$31,852	\$31,651	\$31,363	\$31,466	\$31,724	\$32,645	\$32,302	\$32,382	\$32,188	\$32,902	\$32,687	2.6%
Gloucester	\$33,091	\$32,915	\$32,507	\$32,851	\$33,521	\$34,101	\$34,301	\$34,033	\$34,292	\$34,517	\$34,216	3.4%
Ocean	\$29,335	\$28,924	\$28,621	\$28,784	\$29,009	\$30,330	\$30,515	\$31,119	\$30,876	\$31,331	\$31,566	7.6%
Salem	\$45,272	\$45,548	\$45,993	\$47,091	\$45,932	\$44,585	\$43,653	\$44,252	\$43,447	\$44,655	\$44,075	-2.6%
SJ Average	\$33,885	\$33,771	\$33,587	\$33,940	\$34,016	\$34,510	\$34,547	\$34,753	\$34,756	\$35,342	\$35,354	4.3%

Table E3d 2003 County Private Sector Employment by NAICS Sector

Sector	NAICS		Burlingtor		Cana	Cumberland	Gloucester	Ocean	Salem	South Jersey
11	Agriculture/Forestry/Fishing/Hunting	1,349	532	127	172	1,347	737	58	473	4,795
21	Mining	-					•			0
22	Utilities	192		81				260		533
23	Construction	6,272	7,185	9,482	2,434	2,475	5,796	8,318	929	42,891
31-33	Manufacturing	3,689	17,967	16,187	873	9,761	8,935	5,864	2,343	65,619
42	Wholesale Trade	2,123	10,048	10,993	458	2,011	7,711	3,290	198	36,832
44-45	Retail Trade	15,208	28,227	24,013	6,617	7,209	16,465	26,630	2,356	126,725
48-49	Transportation and Warehousing	2,075	3,709	4,260	282	1,620	1,519	1,912	637	16,014
51	Information	621	2,777	3,304	167	863	575	1,252	21	9,580
52	Finance and Insurance	2,322	16,322	7,246	1,038	1,151	1,783	4,281	493	34,636
53	Real Estate and Rental and Leasing	1,497	3,271	2,710	895	581	927	2,154	118	12,153
54	Professional and Technical Services	4,412	9,671	14,001	1,098	1,107	2,894	5,576	313	39,072
55	Management of Co. and Enterprises		329	42			-	112		483
56	Administrative and Waste Services	4,047	10,957	11,552	931	1,192	4,987	4,071	664	38,401
61	Educational Services	622	704	1,214	180	313	266	2,139		5,438
62	Health Care and Social Assistance	14,362	19,354	29,823	3,836	7,326	9,962	25,156	2,666	112,485
71	Arts, Entertainment, and Recreation	1,527	1,506	1,793	1,059	447	900	3,434		10,666
72	Accommodation and Food Services	51,346	11,664	12,087	8,376	2,808	7,056	11,213	1,412	105,962
81	Other Services, Except Public Admin	3,109	6,007	6,953	1,316	1,313	2,898	4,756	362	26,714
99	Unclassified Entities	17	111	1,018	101	110	71	466	63	1,957
	PRIVATE SECTOR TOTAL	122,184	164,589	169,238	32,163	45,348	79,463	116,338	18,390	747,713

Table E3e 2003 County Private Sector Employment by NAICS Sector as a % of Total Employment

Sector	NAICS DESCRIPTION		Burlington		Cano	Cumberland				South Jersey
11	Agriculture/Forestry/Fishing/Hunting	1.1%	0.3%	0.1%	0.5%	3.0%	0.9%	0.0%	2.6%	0.6%
21	Mining									0.0%
22	Utilities	0.2%	·	0.0%			•	0.2%	•	0.1%
23	Construction	5.1%	4.4%	5.6%	7.6%	5.5%	7.3%	7.1%	5.1%	5.7%
31-33	Manufacturing	3.0%	10.9%	9.6%	2.7%	21.5%	11.2%	5.0%	12.7%	8.8%
42	Wholesale Trade	1.7%	6.1%	6.5%	1.4%	4.4%	9.7%	2.8%	1.1%	4.9%
44-45	Retail Trade	12.4%	17.1%	14.2%	20.6%	15.9%	20.7%	22.9%	12.8%	16.9%
48-49	Transportation and Warehousing	1.7%	2.3%	2.5%	0.9%	3.6%	1.9%	1.6%	3.5%	2.1%
51	Information	0.5%	1.7%	2.0%	0.5%	1.9%	0.7%	1.1%	0.1%	1.3%
52	Finance and Insurance	1.9%	9.9%	4.3%	3.2%	2.5%	2.2%	3.7%	2.7%	4.6%
53	Real Estate and Rental and Leasing	1.2%	2.0%	1.6%	2.8%	1.3%	1.2%	1.9%	0.6%	1.6%
54	Professional and Technical Services	3.6%	5.9%	8.3%	3.4%	2.4%	3.6%	4.8%	1.7%	5.2%
55	Management of Co. and Enterprises		0.2%	0.0%				0.1%	•	0.1%
56	Administrative and Waste Services	3.3%	6.7%	6.8%	2.9%	2.6%	6.3%	3.5%	3.6%	5.1%
61	Educational Services	0.5%	0.4%	0.7%	0.6%	0.7%	0.3%	1.8%		0.7%
62	Health Care and Social Assistance	11.8%	11.8%	17.6%	11.9%	16.2%	12.5%	21.6%	14.5%	15.0%
71	Arts, Entertainment, and Recreation	1.2%	0.9%	1.1%	3.3%	1.0%	1.1%	3.0%		1.4%
72	Accommodation and Food Services	42.0%	7.1%	7.1%	26.0%	6.2%	8.9%	9.6%	7.7%	14.2%
81	Other Services, Except Public Admin	2.5%	3.6%	4.1%	4.1%	2.9%	3.6%	4.1%	2.0%	3.6%
99	Unclassified Entities	0.0%	0.1%	0.6%	0.3%	0.2%	0.1%	0.4%	0.3%	0.3%



Retail Sales / Establishments

Census of Retail Trade 1992, 1997, 2002

Upda	ted
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 Per capita retail sales growth was much stronger in the Pinelands than in all other regions of the state from 1997 – 2002.

Per Capita Retail Sales

COUNTY	1992 Per Capita Sales	1997 Per Capita Sales	2002 Per Capita Sales	5 Year Change 1997 - 2002	10 Year Change 1992 - 2002
Atlantic	\$10,537	\$12,556	\$13,422	6.9%	27.4%
Burlington	\$10,312	\$12,446	\$18,160	45.9%	76.1%
Camden	\$8,525	\$10,788	\$9,845	-8.7%	15.5%
Cape May	\$11,262	\$11,584	\$14,272	23.2%	26.7%
Cumberland	\$8,495	\$10,272	\$10,785	5.0%	27.0%
Gloucester	\$10,388	\$11,722	\$13,256	13.1%	27.6%
Ocean	\$9,415	\$11,573	\$11,297	-2.4%	20.0%
Salem	\$6,565	\$7,262	\$8,809	21.3%	34.2%
South Jersey	\$9,538	\$11,474	\$12,758	11.2%	33.8%
State	\$9,997	\$11,706	\$12,508	6.8%	25.1%
Pinelands 13	\$7,795	\$9,588	\$11,577	20.7%	48.5%
Non-Pinelands	\$12,607	\$14,385	\$14,407	0.2%	14.3%

<u>Des cription</u>: The Census of Retail Trade is conducted every 5 years as part of the Economic Census. The Census Bureau began using a different industrial classification system in 1997, with the largest change being the removal of the eating and drinking establishments classification from the 1997 data. To adjust for this, sales for eating and drinking establishments were removed from the 1992 data. The resulting numbers are suitable for a rough comparison. Adjusted for inflation and shown in 2004 dollars, and sales are presented per capita, based on 1992, 1997, and 2002 population estimates.

<u>Unit of Analysis</u>: Retail sales data are obtained at the county level and aggregated to yield totals for the southern eight-county region and the entire State (see Appendix for Pinelands acreage by county). Partial data for the Pinelands and Non-Pinelands region are available as the Census also collects data at the "place" level, which includes the most populous municipalities (109 out of 202 municipalities are available, 28 in the Pinelands and 81 outside the Pinelands).

Summary of Previous Findings

Per capita retail sales rose in Southern New Jersey between 1992 and 1997, with an increase of 20.3%. The change in sales was generally more significant in the more densely populated counties, while the southern counties experienced smaller increases. Per capita sales are higher for the state as a whole compared to Southern New Jersey, but South Jersey sales have increased at a faster rate. Per capita retail sales for the 28 Pinelands municipalities increased by 23%, while sales for the 81 Non-Pinelands municipalities rose by 14.1%.

Another useful indicator of retail health is the number of retail establishments per resident. This indicates the presence of commercial ratables as well as relative shopping convenience. According to the New Jersey Department of Labor Employer Listing Database, the concentration of retail establishments per resident in the Non-Pinelands was 50% higher than in the Pinelands for 2001.

Long Term Economic Monitoring Program

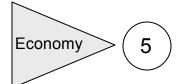
¹³ The categories for Pinelands and Non-Pinelands represent the number of municipalities for which the data is available. Data is available for 28 of the 47 Pinelands municipalities, and 81 of the 155 Non-Pinelands municipalities.

¹⁴ Other noteworthy changes include the reclassification of pawn shops to the Finance and Insurance sector, and of bakeries to the Manufacturing sector, and the addition of Wholesale Trade establishments that have facilities which cater to the general public. The numbers in this report have not been adjusted to reflect these changes.

Update

The release of the 2002 Census of Retail Trade in May of this year continues to show the Pinelands gaining ground on all other regions of the state in regards to per capita retail sales. Statewide growth in per capita retail sales increased 6.8% from 1997-2002, which marked a slowdown from the 17.1% growth statewide for the period 1992-1997. Per capita retail sales in the Non-Pinelands portion of South Jersey were essentially unchanged from 1997-2002, rising only 0.2%. In contrast, the Pinelands communities followed their 23% gain in per capita retail sales from 1992-1997 with a 20.7% increase in the period from 1997-2002. A large portion of this sustained growth in per capita sales for the Pinelands occurred in Ocean County – of the seven Pinelands municipalities that experienced growth in sales greater than 40 percent from 1997 - 2002, six were in Ocean County: Ocean Township (+119%), Berkeley (+77%), Jackson (+55%), Lakehurst (+53%), Little Egg Harbor (+49%), and Barnegat (+41%). In Atlantic County, Egg Harbor Township increased Per Capita sales by 42% over the same period.

The relative concentration of retail establishments per resident continued to be about 50% higher in the Non-Pinelands than in the Pinelands in 2002. According to the New Jersey Department of Labor, there were 1,598 retail establishments in the Pinelands in 2002 (1 store for every 403 residents). In the Non-Pinelands there were 6,273 retail establishments (1 store for every 268 residents). The pattern again appears to show higher concentrations of establishments in municipalities in the Pinelands that contain regional growth areas.



Assessed Farmland Acreage



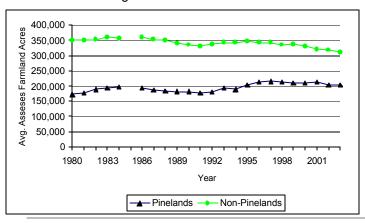
New Jersey Agricultural Statistics Service 1980 – 2003*

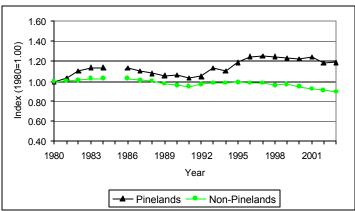
* Data from 1985 is not available.

Assessed acres in farmland in the Pinelands rebounded slightly in 2003, posting a 0.5% gain. In contrast, the Non-Pinelands region acreage fell by almost 2% for the year.

Average Assessed Acres of Farmland

Index of Average Assessed Acres of Farmland





<u>Description</u>: Agriculture is recognized in federal and state Pinelands legislation as an industry of special significance and, therefore, receives a more detailed examination using three variables. The first variable, farmland assessed acreage, is compiled from FA-1 forms, which are completed by landowners and indicate acreage devoted to various crops and pasture as well as livestock. To qualify for farmland assessment, a landowner must have a minimum of five contiguous acres devoted to agricultural or horticultural use, and generate a minimum of \$500 in sales (plus an additional \$5 per acre for every acre of agricultural land beyond the first five acres or \$0.50 per acre for every acre of woodland land beyond the first five acres).

<u>Unit of Analysis</u>: Farmland assessment data is compiled at the municipal level and aggregated to examine Pinelands and county totals.

Summary of Previous Findings

Assessed farmland acres were fairly stable in the Non-Pinelands portion of South Jersey from 1980-1995. Since 1995, development pressures have slowly eroded the farm base outside the Pinelands and assessed acres in that region have decreased in 5 of the 6 years from 1995-2001. In contrast, the Pinelands has shown a substantial increase in acreage devoted to agriculture since 1980. This growth was fueled by two periods that contributed significantly to farmland acres in the Pinelands: from 1980-1983, farm acreage increased 13.8% in the Pinelands and from 1992-1996 acreage increased by 19.2%. Over the entire period monitored, the Pinelands percentage of South Jersey farm acres has increased from 33% in 1980 to 40% in 2001.

Burlington County has the largest amount of farm acreage in the Pinelands, while the overwhelming majority of Atlantic, Camden, and Ocean Counties' assessed farmland falls inside the Pinelands. Much of the decrease in farm acres in the Non-Pinelands has been concentrated in Burlington, Camden, Cape May, and Gloucester counties.

<u>Update</u>

Following the largest one-year decrease in acreage in the monitoring period in 2002 (-4.9%), the Pinelands region rebounded in 2003 by adding slightly over 1,000 acres for a 0.5% increase from the previous year. For the year, there were 203,686 acres in farmland in the Pinelands. The Non-Pinelands farmland acreage decreased for the eighth consecutive year in 2003, falling 1.8% to a total of 312,147 acres. Since one-year changes in acreage can be affected by seasonal factors such as weather and economic conditions, averages over five year periods are also tracked to reveal longer-term trends (Table E5).

Figure E5 depicts the current assessed acreage in farmland for South Jersey (as of 2003). It is clear that New Jersey's "farm belt" covers most of Salem and Cumberland counties and then extends northeasterly through the heart

of the Pinelands. A good portion of Camden County and the shore communities of Ocean, Atlantic, and Cape May counties have very little if any active acreage in farming.

Table E5 Farmland Assessed Acreage

Average Farm	and Assessed Ad	creage in the Pine	elands Municipal	ities	
, tronago i ai i i i	1984-1988	1989-1993	1994-1998	1999-2003	Change between
County	Average	Average	Average	Average	84-88 and 99-03
Atlantic	40,931	39,494	44,035	40,777	0%
Burlington	90,374	85,820	93,064	89,232	-1%
Camden	10,474	10,087	10,632	10,790	3%
Cape May	6,987	7,484	7,094	6,734	-4%
Cumberland	9,176	5,619	8,045	11,452	25%
Gloucester	20,132	19,745	22,716	21,662	8%
Ocean	12,179	14,426	21,545	27,490	126%
Average Farml	and Assessed Ad	reage in the Non	-Pinelands Muni	cipalities	
	1984-1988	1989-1993	1994-1998	1999-2003	Change between
County	Average	Average	Average	Average	84-88 and 99-03
Atlantic	157	271	322	294	87%
Burlington	73,471	64,471	63,871	57,688	-21%
Camden	4,292	3,011	2,585	2,053	-52%
Cape May	7,082	6,071	5,415	5,102	-28%
Cumberland	78,327	79,299	84,944	82,282	5%
Gloucester	65,099	61,548	59,084	53,063	-18%
Ocean	861	746	724	630	-27%
Salem	125,450	121,566	124,708	122,439	-2%
Percentage of	Total Average Fa				-
	1983-1987	1988-1992	1993-1997	1998-2002	Change between
County	Average	Average	Average	Average	83-87 and 98-02
Atlantic	100%	99%	99%	99%	-1%
Burlington	55%	57%	59%	61%	6%
Camden	71%	77%	80%	84%	13%
Cape May	50%	55%	57%	57%	7%
Cumberland	10%	7%	9%	12%	2%
Gloucester	24%	24%	28%	29%	5%
Ocean	93%	95%	97%	98%	5%

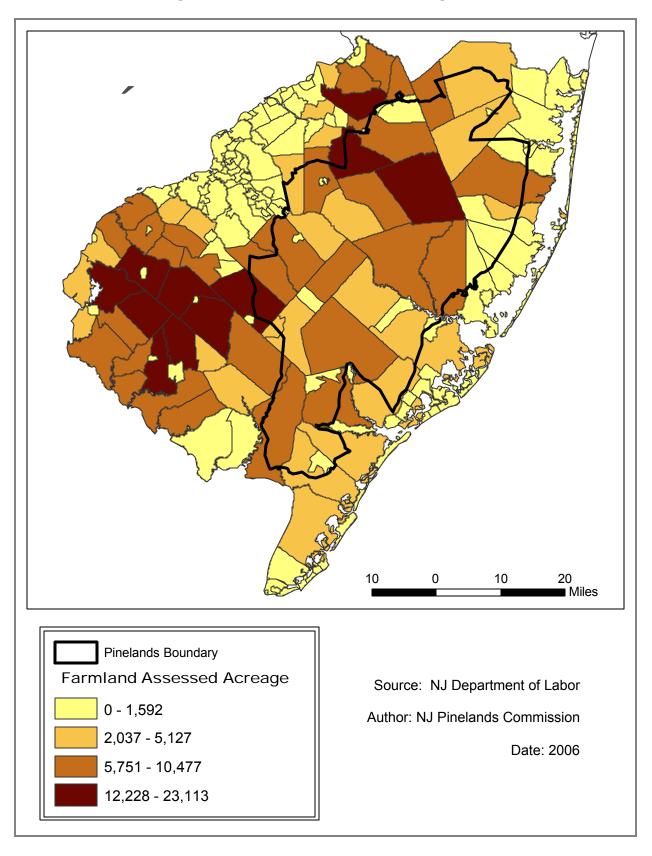
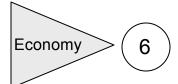


Figure E5 Farmland Assessed Acreage 2003



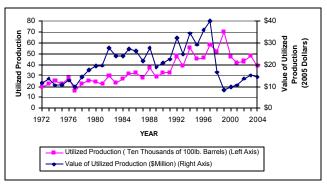
Cranberry and Blueberry Production

NJ Agricultural Statistics Service 1972 - 2004

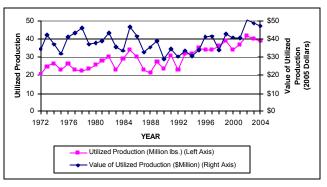


• Cranberry prices continued their recovery in 2004, posting an increase for the 4th time in the last 5 years. Blueberry prices were unchanged for the third straight year.

NJ Cranberry Production, Value and Volume



NJ Blueberry Production, Value and Volume



<u>Description</u>: Agriculture is recognized in federal and state Pinelands legislation as an industry of special significance and, therefore, receives a more detailed examination using three variables. The second indicator, *cranberry and blueberry production*, measures a critical component of Pinelands agriculture. Cash values are expressed in 2003 dollars.

<u>Unit of Analysis</u>: Cranberry and blueberry data are only available at the State level, but because these crops are found almost exclusively within the Pinelands, statewide figures provide sufficient information for the purposes of this analysis.

Summary of Previous Findings

Examination of two key Pinelands crops, cranberries and blueberries, revealed that cranberry production grew significantly from 1972 to 1996 but plummeted precipitously from 1997 to 1999 due to increased production (growers developed more efficient bogs to take advantage of good cranberry prices) without increased demand. Nationally, increased production combined with steady demand created a surplus of frozen cranberries. Increased foreign production of cranberries also may have been a contributing factor. A small recovery in cranberry farming began in 2000, which may have been aided by actions such as nationwide production cutbacks and USDA surplus. Production has decreased by 39% between 1999 and 2002. The value of production increased dramatically, growing 63% between 1999 and 2002, with the price of cranberries climbing from \$11.84 per 100 lbs in 1999 to \$31.42 per 100 lbs in 2003, an increase of 166%. Despite this increase, prices remain well below their peak of \$76.93 per 100 lbs in 1996.

The value of utilized production for blueberries remained fairly steady with yearly fluctuations over the period 1972-1997. Overall production increased by 61% between 1998 and 2003. The value of production increased consistently over this five-year period, rising by 11%, while the sale price improved by 28%. (Figure E6). Like cranberries, the blueberry market has suffered from a combination of increasing production and steady demand. To respond to poor market conditions, the blueberry industry created a blueberry council to increase promotional activities and strengthen demand for blueberries.

Update

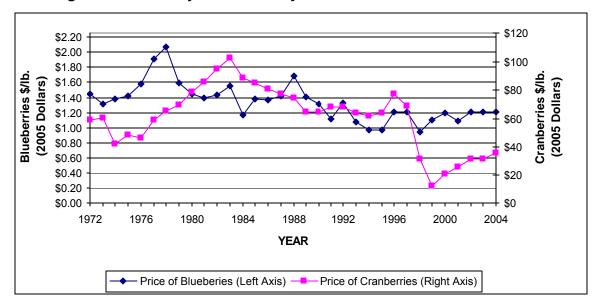
The value in utilized production of cranberries decreased slightly for the 1st time in 5 years in 2004, falling 6.0% to \$14.2 million. This decrease was due primarily to a decrease in production of 17.9%. After cranberry prices stalled in 2003, prices once again rose substantially in 2004 increasing 14.5% to \$35.98 per 100 lbs. The blueberry industry

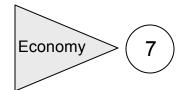
again experienced flat growth in prices in 2004, posting a price of \$1.21 per pound for the third consecutive year. Blueberry farmers also experienced a slight decrease in value of production (-3.0%) as output decreased 3.0% to 39 million pounds in 2004.

Table E6 Sales of New Jersey Farm Products

		Sales		An	nual % Chan	ge
Year	Cranberry	Blueberry	New Jersey	Cranberry	Blueberry	New Jersey
1992	32,470	30,374	898,676			
1993	24,624	33,796	948,402	-24.2%	11.3%	5.5%
1994	26,360	30,580	1,004,110	7.1%	-9.5%	5.9%
1995	29,090	33,960	977,430	10.4%	11.1%	-2.7%
1996	35,924	41,089	996,140	23.5%	21.0%	1.9%
1997	40,083	41,348	971,737	11.6%	0.6%	-2.4%
1998	16,417	33,980	969,201	-59.0%	-17.8%	-0.3%
1999	8,288	42,893	867,994	-49.5%	26.2%	-10.4%
2000	9,521	40,943	957,383	14.9%	-4.5%	10.3%
2001	10,495	40,505	921,159	10.2%	-1.1%	-3.8%
2002	10,495	40,505	921,159	0.0%	0.0%	0.0%
2003	14,891	50,795	946,136	41.9%	25.4%	2.7%
2004	16,100	48,496	904,514	8.1%	-4.5%	-4.4%

Figure E6 Cranberry and Blueberry Prices





Census of Agriculture



US Census of Agriculture 1982, 1987, 1992, 1997, 2002

 According to the 2002 Census of Agriculture, the seven Pinelands counties are responsible for more than half of the agricultural sales statewide.

<u>Description</u>: Agriculture is recognized in federal and state Pinelands legislation as an industry of special significance and, therefore, receives a more detailed examination using three variables. The third indicator is actually a collection of indicators from the Agricultural Census, which is taken every five years.

<u>Unit of Analysis</u>: Agricultural Census data is limited to the county level and consequently inside/outside Pinelands trends cannot be distinguished.

Summary of Previous Findings

The seven Pinelands counties contained nearly 34% (287,000 acres) of the roughly 847,000 farm acres reported for New Jersey in the 1992 Census of Agriculture. From 1982-1992, the State lost 7.5% of its farm base, with Pinelands counties experiencing a 9.5% decline and Non-Pinelands counties experiencing a 6.4% loss. From 1982-1997, the State lost 9.1% of its farm base, with Pinelands counties experiencing an 8.7% decline and Non-Pinelands counties experiencing a 9.5% loss. However, from 1992-1997, farm acres in Pinelands counties increased by roughly 1% to 289,435 acres, almost 35% of the State's 832,600 farm acres. Cape May County continued to have high rates of decline in its farm base from 1992 to 1997. In contrast, Atlantic, Burlington, Camden and Ocean Counties experienced gains in farmland acreage over the same period.

The number of farms from 1992-1997 remained relatively constant for Pinelands counties, Non-Pinelands counties and the State. The average farm size increased slightly for Pinelands counties from 1992-1997. However, the average farm size for Non-Pinelands counties and the State continued to decrease over the same period.

With respect to agricultural sales, Pinelands counties contributed nearly 48% of total sales statewide in 1992. Similarly, Pinelands counties contributed 45% of total agricultural sales statewide in 1982 while accounting for only 35% of farm acreage. From 1992-1997 agricultural sales in Pinelands counties increased 18.4% while agricultural sales in Non-Pinelands counties increased by 10.7%. Pinelands counties contributed 49.4% of total sales statewide in 1997; a high value relative to its 34.8% share of total State agricultural acreage.

In terms of net cash returns, farms in the Pinelands counties accounted for 57.4% of statewide net returns in 1997, up 3% from 1992. Burlington County's share of statewide returns increased from 11% in 1992 to 13.5% in 1997. Comparison of total net cash returns over the monitoring period (1987-1997) clearly demonstrates the influence of economic conditions on the State's farm sector. The effect of the recession can be seen as statewide returns dropped 24.2% over from 1987-1992, with Non-Pinelands counties experiencing a steeper decline of 32.4% and Pinelands counties a more moderate decline of 15.6%. Aggregate trends, however, were shown to be misleading with the Pinelands county returns dropping 29% when Cumberland County's contribution was removed. The economic upswing can be seen as statewide returns increased 60.5% from 1992-1997, with Pinelands counties experiencing a greater increase of 69.6% and Non-Pinelands counties a more moderate increase of 49.8%.

Net cash return per farm in Pinelands counties also increased at a faster rate than the remainder of the State and remained at overall higher levels. Net cash return per farm in Pinelands counties increased 70.1% from 1992-1997, while Non-Pinelands counties increased by 49.3% over the same period.

More than half of New Jersey's farms lost money in 1987, 1992, and 1997 while the proportion of farms losing money grew each year. Almost 55% of farmers statewide lost money in 1997, up 1.5% from 1992. However, farmers in Pinelands counties continued to fare better than farmers in Non-Pinelands counties. The percentage of farmers in Pinelands counties that lost money in 1997 was 45.6%, down almost 2% from 1992.

Update

By nearly any measure used in the recently released 2002 Census of Agriculture, the Pinelands counties made considerable gains in relation to the rest of the state in regards to agriculture between 1997 and 2002. Over the five-year period 1997-2002, Pinelands counties increased their acres in farming by 2.3% to 295,959 acres. The remainder of counties in the state had a net decrease in acres farmed of 10.2%. The increase in the Pinelands is due

primarily to increases in Burlington and Cumberland counties that totaled more than 11,500 acres (Burlington +7,610, +7.3% and Cumberland +3,903, +5.8%).

The number of farms tells the same story for the period 1997 to 2002. Pinelands counties had an increase of 6.4% in the number of farms during the period in contrast to a 4.6% decline in the rest of the state. While average farm size did decrease in the Pinelands counties (-3.9%), the drop in the rest of the state was larger (-5.8%). Again, the two largest agricultural bases in the Pinelands (Burlington and Cumberland counties) recorded increases in farm size between 1997 and 2002 (+10.8% and +6.8% respectively).

Agricultural sales in the Pinelands counties relative to the rest of the state continued their increase from previous agricultural censuses. With \$406 million in sales in 2002, the Pinelands counties for the first time make up more than half of the state's agricultural sales (52.8%) while comprising only 36.7% of the total acres farmed in the state. In terms of net cash returns, farms in the Pinelands counties posted profits of \$107.7 million in 2002, a total that represents 68.4% of statewide agricultural profits. Net cash return per farm in the Pinelands counties did decline 15.2% from 1997 to 2002; however, in the rest of the state net cash return per farm dropped 49% over the same period.

Farm viability continues to be an issue in New Jersey. In 2002, more than half (56.1%) of the farms in the Pinelands counties posted net losses. In the rest of the state, 64.4% of farms had net losses for the year. Gloucester and Ocean counties had the highest percentage of farms with losses in the Pinelands in 2002 (74.1% and 60.4% respectively). In contrast, Atlantic county was the only Pinelands county to decrease its percentage of farms with net losses from 1997 to 2002 (1997: 53.5% and 2002: 43.2%).

Table E7a Land in Farming

	Land in Farming (acres)						Percentage Change			
County	1987	1992	1997	2002		'87-'92	'92-'97	'97-'02	'87-'02	
Atlantic	29,423	29,606	31,620	30,337		0.6%	6.8%	-4.1%	3.1%	
Burlington	103,224	97,186	103,627	111,237		-5.8%	6.6%	7.3%	7.8%	
Camden	10,033	7,799	9,446	10,259		-22.3%	21.1%	8.6%	2.3%	
Cape May	13,553	11,644	9,840	10,037		-14.1%	-15.5%	2.0%	-25.9%	
Cumberland	72,406	68,627	67,194	71,097		-5.2%	-2.1%	5.8%	-1.8%	
Gloucester	62,128	61,748	58,888	50,753		-0.6%	-4.6%	-13.8%	-18.3%	
Ocean	8,820	10,365	12,061	12,239		17.5%	16.4%	1.5%	38.8%	
Pinelands Counties	299,587	286,975	289,435	295,959		-4.2%	0.9%	2.3%	-1.2%	
Non-Pinelands Counties	594,839	560,620	567,474	509,723		-5.8%	1.2%	-10.2%	-14.3%	
State Total	894,426	847,595	856,909	805,682		-5.2%	1.1%	-6.0%	-9.9%	

	Number of Farms						ercentag	e Change	
County	1987	1992	1997	2002		'87-'92	'92-'97	'97-'02	'87-'02
Atlantic	384	391	465	456		1.8%	18.9%	-1.9%	18.8%
Burlington	834	816	935	906		-2.2%	14.6%	-3.1%	8.6%
Camden	177	188	236	216		6.2%	25.5%	-8.5%	22.0%
Cape May	124	163	165	197		31.5%	1.2%	19.4%	58.9%
Cumberland	612	609	622	616		-0.5%	2.1%	-1.0%	0.7%
Gloucester	681	704	718	692		3.4%	2.0%	-3.6%	1.6%
Ocean	206	233	268	217		13.1%	15.0%	-19.0%	5.3%
Pinelands Counties	3,018	3,104	3,101	3,300		2.8%	-0.1%	6.4%	9.3%
Non-Pinelands Counties	6,014	5,975	6,944	6,624		-0.6%	16.2%	-4.6%	10.1%
State Total	9,032	9,079	10,045	9,924		0.5%	10.6%	-1.2%	9.9%

	A۱	verage Farm	n Size (acres	3)	Percentage Change			
County	1987	1992	1997	2002	'87-'92	'92-'97	'97-'02	'87-'02
Atlantic	77	76	68	67	-1.3%	-10.5%	-2.2%	-13.6%
Burlington	124	119	111	123	-4.0%	-6.9%	10.8%	-1.0%
Camden	57	41	40	47	-28.1%	-2.4%	18.7%	-16.7%
Cape May	109	71	60	51	-34.9%	-16.0%	-14.6%	-53.3%
Cumberland	118	113	108	115	-4.2%	-4.4%	6.8%	-2.2%
Gloucester	91	88	82	73	-3.3%	-6.8%	-10.6%	-19.4%
Ocean	43	44	45	56	2.3%	2.3%	25.3%	31.2%
Pinelands Counties	99	92	93	90	-7.1%	1.5%	-3.9%	-9.4%
Non-Pinelands Counties	99	94	82	77	-5.1%	-13.1%	-5.8%	-22.3%
State Total	99	93	85	81	-6.1%	-8.3%	-4.8%	-18.0%

Table E7b Agricultural Sales (2004 Dollars)

	Agricultural Sales (\$1,000s)					rcentag	e Chan	ge	Agricultural Sales as % of New Jersey			
County	1987	1992	1997	2002	'87-'92	'92-'97	'97-'02	'87-'02	1987	1992	1997	2002
Atlantic	62,162	58,685	74,944	82,700	-5.6%	27.7%	10.3%	33.0%	7.5%	8.2%	9.1%	10.7%
Burlington	92,618	87,212	103,361	87,698	-5.8%	18.5%	-15.2%	-5.3%	11.2%	12.1%	12.6%	11.4%
Camden	13,217	11,049	20,632	14,366	-16.4%	86.7%	-30.4%	8.7%	1.6%	1.5%	2.5%	1.9%
Cape May	7,677	7,583	8,037	11,852	-1.2%	6.0%	47.5%	54.4%	0.9%	1.1%	1.0%	1.5%
Cumberland	97,149	98,599	111,175	129,222	1.5%	12.8%	16.2%	33.0%	11.7%	13.7%	13.5%	16.8%
Gloucester	77,390	73,720	79,080	69,534	-4.7%	7.3%	-12.1%	-10.2%	9.4%	10.2%	9.6%	9.0%
Ocean	8,202	6,817	9,647	11,300	-16.9%	41.5%	17.1%	37.8%	1.0%	0.9%	1.2%	1.5%
Pinelands Counties	358,415	343,664	406,876	406,671	-4.1%	18.4%	-0.1%	13.5%	43.3%	47.7%	49.4%	52.8%
Non-Pinelands Counties	462,459	376,298	416,587	363,147	-18.6%	10.7%	-12.8%	-21.5%	55.9%	52.3%	50.6%	47.2%
State Total	827,445	719,961	823,463	769,819	-13.0%	14.4%	-6.5%	-7.0%	100.0%	100.0%	100.0%	100.0%

Table E7c Net Cash Return for New Jersey Farms (2004 Dollars)

	Total Net Cash Return (1,000's)			Perd	Percentage Change			Total Net Cash Return as Pct. of NJ		
County	1992	1997	2002	'92-'97	'97-'02	'92-'02	1992	1997	2002	
Atlantic	\$13,924	\$17,542	\$28,037	26.0%	59.8%	101.4%	10.8%	8.4%	17.8%	
Burlington	\$14,226	\$27,948	\$23,347	96.5%	-16.5%	64.1%	11.0%	13.5%	14.8%	
Camden	\$2,580	\$9,263	\$3,977	259.1%	-57.1%	54.1%	2.0%	4.5%	2.5%	
Cape May	\$1,318	\$2,287	\$5,637	73.5%	146.4%	327.6%	1.0%	1.1%	3.6%	
Cumberland	\$23,017	\$34,678	\$34,152	50.7%	-1.5%	48.4%	17.8%	16.7%	21.7%	
Gloucester	\$14,175	\$24,340	\$10,901	71.7%	-55.2%	-23.1%	11.0%	11.7%	6.9%	
Ocean	\$1,021	\$3,115	\$1,631	204.9%	-47.6%	59.6%	0.8%	1.5%	1.0%	
Pinelands Counties	\$70,262	\$119,173	\$107,681	69.6%	-9.6%	53.3%	54.3%	57.4%	68.4%	
Non-Pinelands Counties	\$59,103	\$88,527	\$49,838	49.8%	-43.7%	-15.7%	45.7%	42.6%	31.6%	
New Jersey	\$129,367	\$207,700	\$157,519	60.6%	-24.2%	21.8%	100.0%	100.0%	100.0%	

Table E7d Net Cash Return per Farm (2004 Dollars)

	Net C	ash Return p	er Farm	Per	centage Cha	inge
County	1992	1997	2002	'92-'97	'97-'02	'92-'02
Atlantic	\$35,610	\$41,568	\$61,485	16.7%	47.9%	72.7%
Burlington	\$17,412	\$32,650	\$25,685	87.5%	-21.3%	47.5%
Camden	\$13,650	\$44,321	\$18,495	224.7%	-58.3%	35.5%
Cape May	\$8,136	\$15,347	\$28,325	88.6%	84.6%	248.1%
Cumberland	\$37,734	\$60,414	\$55,441	60.1%	-8.2%	46.9%
Gloucester	\$20,108	\$37,388	\$15,775	85.9%	-57.8%	-21.6%
Ocean	\$4,400	\$13,197	\$7,584	199.9%	-42.5%	72.4%
Pinelands Counties	\$22,621	\$38,480	\$32,620	70.1%	-15.2%	44.2%
Non-Pinelands Counties	\$9,888	\$14,761	\$7,530	49.3%	-49.0%	-23.9%
New Jersey	\$14,243	\$22,839	\$15,879	60.4%	-30.5%	11.5%

Table E7e Farms with Net Losses

				Percentage of				
	Farm	s with Net Lo	sses	All Far	All Farms with Net Losses			
County	1992	1997	2002	1992	1997	2002		
Atlantic	162	227	197	41.4%	53.5%	43.2%		
Burlington	431	369	478	52.8%	43.1%	52.8%		
Camden	91	94	108	48.4%	44.5%	50.0%		
Cape May	75	75	111	46.0%	50.3%	56.3%		
Cumberland	219	248	314	36.0%	43.3%	51.0%		
Gloucester	337	286	513	47.9%	43.9%	74.1%		
Ocean	159	114	131	68.2%	48.5%	60.4%		
Pinelands Counties	1,474	1,413	1,852	47.5%	45.6%	56.1%		
Non-Pinelands Counties	3,375	3,582	4,265	56.5%	59.7%	64.4%		
New Jersey	4,849	4,995	6,117	53.4%	54.9%	61.6%		



Avg Residential Property Tax Bill V Updated

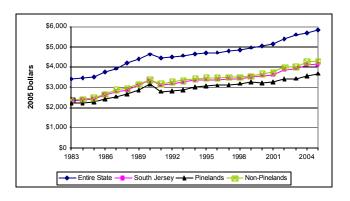


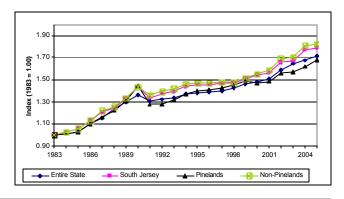
NJ Dept of Treasury. Division of Taxation 1983 - 1999 NJ Dept of Community Affairs, Div LGS 2000 - 2005

The gap in the average residential property tax bill paid between the Pinelands and Non-Pinelands narrowed in 2005 for the first time in six years.

Average Residential Property Tax Bill

Index of Average Residential Property Tax Bill





Description: The average residential property tax bill measures the impact of property taxes on municipal residents. It is calculated by dividing the average residential property value by 100 and multiplying the result by the general tax rate. Values are adjusted for inflation and shown in 2005 dollars.

Unit of Analysis: Average residential property tax data are compiled at the municipal level and aggregated to allow for inside/outside Pinelands, regional, and statewide analyses.

Summary of Previous Findings

Average residential property tax bills in New Jersey demonstrated a gradual but steady pattern of increase throughout the 1980's to a peak in 1990, followed by a decline in 1991 and a subsequent slow, continued increase. The annual rate of change over the monitoring period was virtually the same for all geographic areas. By 1998. average residential tax bills in all areas surpassed their previous 1990 peaks. From 1998 to 2003, real tax rates increased by 22.5% for the Non-Pinelands versus just 11.6% for the Pinelands.

Update

The average residential property tax bill increased just 1.1% in South Jersey in 2005; in contrast, statewide average residential property tax bills rose by twice as much at 2.2%. However, within South Jersey the Pinelands did not fare as well as the Non-Pinelands, registering an increase in average residential property taxes of 4.0% versus just a 0.4% increase in the Non-Pinelands. However, a verage residential property taxes in the Pinelands are still \$597 lower than in the Non-Pinelands and \$2,141 lower than the state as a whole.

The average residential property tax bill in New Jersey, adjusted for inflation, has increased by 66% between 1985 and 2005, from \$3,509 to \$5,826. Within Southern New Jersey, the average Pinelands bill increased by 63% (from \$2,260 to \$3,685) while the average Non-Pinelands bill increased by 72% (from \$2,485 to \$4,282).

The rapidly growing 2nd ring of suburbs surrounding the Philadelphia metropolitan area experienced the highest increases in average residential property taxes over the past 20 years. Smaller concentrations of increasing tax bills exist in Ocean County and along the shore. The southern, rural municipalities had the smallest increases in property taxes from 1985-2005.

From 2004 to 2005, 7 of the 47 Pinelands municipalities (14.9%) experienced real tax decreases (Table F1). In the remaining 155 municipalities that comprise the Non-Pinelands, 24 had real tax decreases from 2004 to 2005 (15.5%).

Table F1 Average Residential Property Tax Bill in the Pinelands

Municipality	County	Avg. Property Tax Bill 2005	Actual Change from 2004	% Change from 2004	South Jersey Rank 2005
Woodland	Burlington	\$3,233	\$841	35.2%	142
New Hanover	Burlington	\$2,815	\$437	18.4%	169
Upper	Cape May	\$3,931	\$424	12.1%	97
Weymouth	Atlantic	\$2,809	\$405	16.8%	170
Monroe	Gloucester	\$4,690	\$375	8.7%	59
Buena Vista	Atlantic	\$2,852	\$260	10.0%	165
Winslow	Camden	\$3,982	\$255	6.8%	94
Medford Lakes	Burlington	\$6,915	\$250	3.8%	11
Stafford	Ocean	\$4,361	\$239	5.8%	73
Tabernacle	Burlington	\$5,368	\$210	4.1%	28
Egg Harbor City	Atlantic	\$3,729	\$210	6.0%	109
Hamilton	Atlantic	\$3,135	\$191	6.5%	145
Buena	Atlantic	\$2,920	\$183	6.7%	161
Southampton	Burlington	\$3,893	\$171	4.6%	99
Jackson	Ocean	\$5,060	\$159	3.2%	43
Pemberton Township	Burlington	\$2,918	\$153	5.5%	163
Plumsted	Ocean	\$4,247	\$153	3.7%	77
Shamong	Burlington	\$5,929	\$151	2.6%	20
Port Republic	Atlantic	\$3,993	\$150	3.9%	93
Franklin	Gloucester	\$3,351	\$145	4.5%	134
Maurice River	Cumberland	\$2,504	\$142	6.0%	185
Galloway	Atlantic	\$3,697	\$130	3.7%	113
Chesilhurst	Camden	\$3,000	\$114	3.7%	156
	Ocean	\$3,500	\$114	3.4%	128
Eagleswood Estell Manor	Atlantic	\$2,939	\$114	4.0%	158
	Atlantic			2.6%	83
Egg Harbor Township Hammonton	Atlantic	\$4,148 \$3,726	\$105 \$103	2.6%	110
					75
Barnegat	Ocean	\$4,277	\$93 \$92	2.2% 1.6%	22
Evesham	Burlington	\$5,651			
Manchester	Ocean	\$2,802	\$81	3.0%	171
Beachwood	Ocean	\$3,279	\$77	2.4%	139
Berkeley	Ocean	\$3,013	\$75	2.6%	155
Medford	Burlington	\$7,662	\$70	0.9%	6
Lacey	Ocean	\$3,882	\$58	1.5%	100
South Toms River	Ocean	\$2,768	\$53	1.9%	174
Little Egg Harbor	Ocean	\$3,531	\$53	1.5%	124
Waterford	Camden	\$4,479	\$47	1.1%	69
Washington	Burlington	\$2,795	\$34	1.2%	172
Woodbine	Cape May	\$1,475	\$18	1.2%	199
Berlin Township	Camden	\$4,147	\$10	0.2%	84
Folsom	Atlantic	\$2,527	-\$2	-0.1%	184
Mullica	Atlantic	\$3,351	-\$15	-0.4%	135
Bass River	Burlington	\$3,109	-\$35	-1.1%	148
Dennis	Cape May	\$2,440	-\$36	-1.5%	187
Lakehurst	Ocean	\$3,101	-\$65	-2.1%	150
Ocean	Ocean	\$3,610	-\$80	-2.2%	118
Wrightstown	Burlington	\$1,638	-\$110	-6.3%	196
"Outside					
Municipalities"					
Vineland	Cumberland	\$3,105	\$331	11.9%	149
Springfield	Burlington	\$4,838	\$288	6.3%	52
Berlin Borough	Camden	\$5,028	\$244	5.1%	47
North Hanover	Burlington	\$3,734	\$101	2.8%	108
Corbin City	Atlantic	\$3,765	\$61	1.7%	107

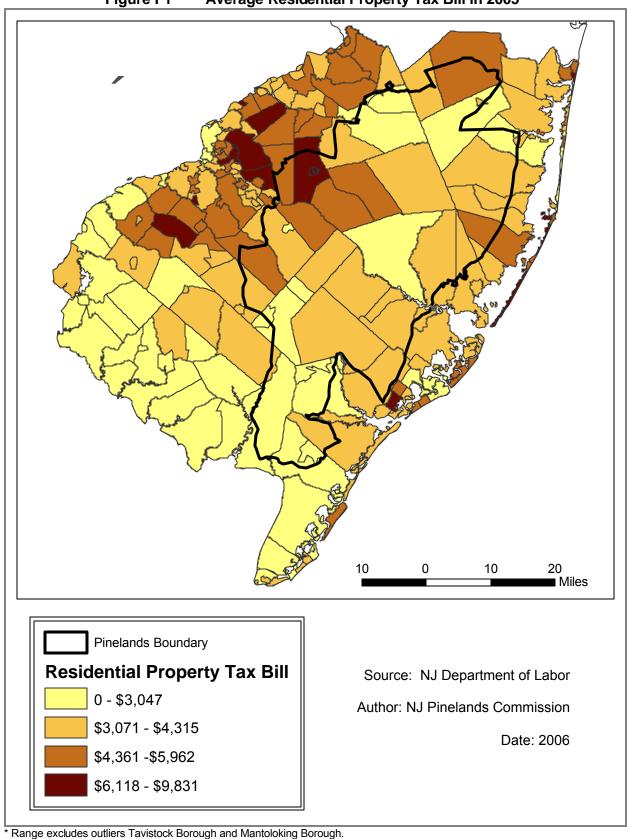
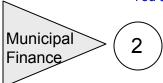


Figure F1 Average Residential Property Tax Bill in 2005*



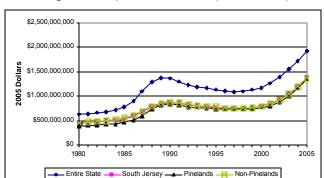
State Equalized Valuation

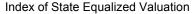


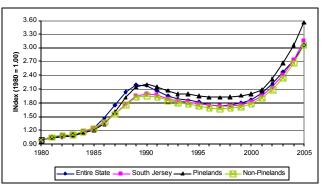
NJ Dept of Community Affairs, Div LGS 1980 - 1993 NJ Dept of Treasury, Division of Taxation 1994 – 2005

• In 2005, the average equalized property value increased in all regions by the largest percentage since 1988. Values in the Pinelands alone increased by 16% for the year.

Average State Equalized Valuation (2004 Dollars)







<u>Description</u>: Equalized property value is the total assessed value of all property in a municipality adjusted for different municipal assessment biases in order to make values across New Jersey municipalities comparable to one another. It is useful as a measurement of the wealth of one municipality relative to other municipalities. Values are adjusted for inflation and shown in 2005 dollars.

<u>Unit of Analysis</u>: State equalized valuation data are compiled at the municipal level and aggregated to allow for inside/outside Pinelands, regional, and statewide analyses.

Summary of Previous Findings

Equalized property valuation in New Jersey rose throughout the 1980's, with most of the growth concentrated in the latter part of the decade. Average municipal valuation in the Pinelands tracked closely with average valuation outside the Pinelands. While average valuation in the Pinelands was lower than average valuation outside of the Pinelands over the monitoring period, the gap progressively narrowed. Conversely, while average valuation in Southern New Jersey remained lower than average valuation in the entire State, the differential did not diminish over the monitoring period. Following a peak in 1989, statewide average valuation experienced a steeper decline than average valuation throughout Southern New Jersey. From 1990 to 1997, average equalized valuation declined across all areas of the State. This trend reversed after 1997 as average equalized property valuations rose between 1998 and 2004 in all regions.

Update

Equalized property values rose in all regions of the state for the eighth consecutive year in 2005. In fact, over the past eight years the percentage increase in equalized values has in each year been greater than the previous year for all regions. Once again, the increase in valuation for the Pinelands slightly eclipsed the increase in the Non-Pinelands (+16.0% versus +15.2%). The valuation for the average Pinelands municipality was \$1.35 billion in 2005, compared to an average of \$1.37 billion for the average Non-Pinelands municipality. The gap in valuation between the Pinelands and Non-Pinelands continues to narrow – in 1985, the average Non-Pinelands municipality valuation was 22.8% higher than the average Pinelands municipality. By 2005, that difference has almost evaporated; the average Non-Pinelands municipality valuation is now only 1.9% higher than in the Pinelands.

More populated municipalities tend to have higher equalized values, as more structures and higher densities push up property values. Per Capita equalized values can be used to make more equal comparisons by accounting for the relative wealth of inhabitants for particular jurisdictions. Total 2005 equalized values were divided by 2004 population estimates for each region. The results show that the state has a higher equalized value per capita than Southern New Jersey (\$124,185 versus \$116,075), while the Pinelands region has a much lower per capita value compared to the Non-Pinelands region (\$95,385 versus \$124,207). The Pinelands municipalities exhibit a great deal of variation with per capita values ranging from a high of \$166,900 in Stafford to a low of \$6,900 in New Hanover (Table F2).

Table F2 2005 Equalized Value and Equalized Value Per Capita

Decan	County	Municipality	Population Est 2004	Equalized Value 2005*	Eq Value Per Capita*
Burlington Washington 640 \$90,700,000 \$141,70	Ocean	Stafford	24,944	\$4,163,800,000	\$166,900
Cape May Upper 11,985 \$1,678,300,000 \$140,000 Ocean 7,492 \$1,037,400,000 \$138,50 Ocean 19,177 \$2,638,000,000 \$137,80 Ocean Lacey 26,221 \$3,559,300,000 \$135,70 Dean Lacey 26,221 \$3,559,300,000 \$121,10 Cape May Dennis 6,225 \$751,300,000 \$120,70 Cape May Dennis 6,225 \$751,300,000 \$114,00 Cape May Dennis 6,225 \$751,300,000 \$114,00 Cape May Leg Harbor 19,334 \$2,215,900,000 \$114,00 Decean Jackson \$1,607 \$5,676,400,000 \$110,00 Altantic Port Republic 1,140 \$119,800,000 \$101,00 Altantic Eg Harbor Township 36,877 \$3,795,000,000 \$102,20 Burlington Evesham 46,858 \$4,675,400,000 \$99,40 Burlington Medford Lakes 4,202 \$413,200,000 \$98,40	Ocean	Eagleswood			\$143,100
Ocean 7,492 \$1,037,400,000 \$138,50 Ocean Barnegat 19,177 \$2,638,000,000 \$137,600 Docean Lacey 26,221 \$3,559,300,000 \$135,700 Burlington Medford \$2,3588 \$2,853,900,000 \$121,10 Cape May Dennis 6,225 \$751,300,000 \$121,10 Cape May Dennis 6,225 \$751,300,000 \$121,70 Ocean Little Egg Harbor 19,334 \$2,215,900,000 \$114,60 Decan Jackson 51,607 \$5,676,400,000 \$114,00 Ocean Jackson 51,607 \$5,676,400,000 \$110,00 Atlantic Port Republic 1,140 \$119,900,000 \$105,10 Atlantic Egg Harbor Township 36,877 \$3,795,000,000 \$102,90 Burlington Evesham 46,858 \$4,675,400,000 \$99,80 Burlington Medford Lakes 4,202 \$413,200,000 \$98,30 Decan Plumsted 8,045 \$788,	Burlington	Washington	640	\$90,700,000	\$141,700
Ocean Jarnegat 19,177 \$2,638,000,000 \$137,600 Ocean Lacey 28,221 \$3,559,300,000 \$135,700 Surlington Medford 23,568 \$2,853,900,000 \$121,100 Cape May Dennis 6,225 \$751,300,000 \$120,700 Ocean Berkeley 42,527 \$5,090,600,000 \$119,700 Ocean Jetheley 42,527 \$5,090,600,000 \$119,700 Ocean Jetheley 42,527 \$5,090,600,000 \$119,700 Decean Jetheley 42,527 \$5,090,600,000 \$119,700 Decean Jeakson 51,607 \$5,676,400,000 \$111,000 Attantic Port Republic 1,140 \$119,800,000 \$102,000 Attantic Egg Harbor Township 36,877 \$3,795,000,000 \$102,200 Burlington Subrilington 46,858 \$4,675,400,000 \$99,800 Burlington Medford Lakes 4,202 \$1,088,600,000 \$99,400 Burlington Medford La	Cape May	Upper	11,985	\$1,678,300,000	\$140,000
Decan Lacey 28,221 \$3,559,300,000 \$125,70	Ocean	Ocean	7,492	\$1,037,400,000	\$138,500
Burlington Medford 23,568 \$2,853,900,000 \$121,10	Ocean	Barnegat	19,177	\$2,638,000,000	\$137,600
Cape May Dennis 6.225 \$751,300,000 \$120,70 Ocean Berkeley 42,527 \$5,090,600,000 \$1119,70 Ocean Little Egg Harbor 19,334 \$2,215,900,000 \$1114,60 Burlington Woodland 1,364 \$151,300,000 \$110,00 Ocean Jackson \$51,607 \$5,676,400,000 \$110,00 Atlantic Port Republic 1,140 \$119,800,000 \$105,10 Atlantic Egg Harbor Township 36,877 \$3,795,000,000 \$102,90 Burlington Evesham 46,858 \$4,675,400,000 \$99,40 Burlington Southampton 10,952 \$1,088,600,00 \$99,40 Burlington Medford Lakes 4,202 \$413,200,000 \$98,30 Decean Plumsted 8,045 \$788,300,000 \$98,60 Burlington Shamong 6,827 \$660,000,000 \$96,70 Atlantic Estell Manor 1,707 \$164,600,000 \$96,40 Burlington Tabernacle <td>Ocean</td> <td>Lacey</td> <td>26,221</td> <td>\$3,559,300,000</td> <td>\$135,700</td>	Ocean	Lacey	26,221	\$3,559,300,000	\$135,700
Ocean Berkeley 42,527 \$5,090,600,000 \$119,70 Ocean Little Egg Harbor 19,334 \$2,215,900,000 \$114,600 Burlington Woodland 1,364 \$151,300,000 \$110,900 Ocean Jackson \$1,607 \$5,676,400,000 \$110,000 Atlantic Port Republic 1,140 \$119,800,000 \$105,100 Atlantic Egg Harbor Township 36,877 \$3,795,000,000 \$102,900 Burlington Evesham 46,858 \$4,675,400,000 \$99,80 Burlington Medford Lakes 4,202 \$413,200,000 \$99,80 Suurington Medford Lakes 4,202 \$431,200,000 \$98,30 Ocean Plumsted 8,045 \$788,300,000 \$98,00 Burlington Shamong 6,827 \$680,000,000 \$96,00 Burlington Tabernacle 7,349 \$673,400,000 \$96,20 Burlington Tabernacle 7,349 \$673,400,000 \$96,20 Burlington Bass Ri	Burlington	Medford	23,568	\$2,853,900,000	\$121,100
Ocean Little Egg Harbor 19,334 \$2,215,900,000 \$114,60 Burlington Woodland 1,364 \$151,300,000 \$110,00 Ocean Jackson 51,607 \$5,676,400,000 \$110,00 Atlantic Port Republic 1,140 \$119,800,000 \$102,90 Burlington Evesham 46,858 \$4,675,400,000 \$99,80 Burlington Evesham 46,858 \$4,675,400,000 \$99,80 Burlington Southampton 10,952 \$1,088,600,000 \$99,80 Burlington Medford Lakes 4,202 \$413,200,000 \$98,30 Burlington Shamong 6,827 \$660,000,000 \$98,00 Burlington Shamong 6,827 \$660,000,000 \$96,70 Atlantic Estell Manor 1,707 \$164,600,000 \$96,70 Burlington Tabernacle 7,349 \$673,400,000 \$96,70 Atlantic Hamiton 23,699 \$2,050,200,000 \$88,670 Atlantic Hamiton	Cape May	Dennis	6,225	\$751,300,000	\$120,700
Burlington Woodland	Ocean	Berkeley	42,527	\$5,090,600,000	\$119,700
Decean	Ocean	Little Egg Harbor	19,334	\$2,215,900,000	\$114,600
Atlantic Port Republic 1,140 \$119,800,000 \$105,100 Atlantic Egg Harbor Township 36,877 \$3,795,000,000 \$102,90 Burlington Evesham 46,858 \$4,675,400,000 \$99,80 Burlington Southampton 10,952 \$1,086,600,000 \$99,80 Burlington Medford Lakes 4,202 \$413,200,000 \$98,30 Ocean Pluristed 8,045 \$788,300,000 \$98,00 Burlington Shamong 6,827 \$660,000,000 \$96,40 Burlington Tabernacle 7,349 \$673,400,000 \$91,60 Ocean Manchester 42,112 \$3,649,700,000 \$86,70 Atlantic Hamilton 23,699 \$2,050,200,000 \$86,70 Atlantic Hamilton 23,699 \$2,050,200,000 \$88,70 Atlantic Hammonton 13,280 \$1,101,200,000 \$82,90 Burlington Bass River 1,564 \$129,500,000 \$82,90 Atlantic Galloway	Burlington	Woodland	1,364	\$151,300,000	\$110,900
Atlantic Egg Harbor Township 36,877 \$3,795,000,000 \$102,90 Burlington Evesham 46,838 \$4,675,400,000 \$99,80 Burlington Southampton 10,952 \$1,088,800,000 \$99,80 Burlington Medford Lakes 4,202 \$413,200,000 \$98,30 Ocean Plumsted 8,045 \$788,300,000 \$98,00 Burlington Shamong 6,827 \$660,000,000 \$96,70 Atlantic Estell Manor 1,707 \$164,600,000 \$96,70 Burlington Tabernacle 7,349 \$673,400,000 \$91,60 Ocean Manchester 42,112 \$3,649,700,000 \$86,50 Camden Berlin Township 5,372 \$449,000,000 \$86,50 Camden Berlin Township 5,372 \$449,000,000 \$82,90 Burlington Bass River 1,564 \$129,500,000 \$82,90 Burlington Bass River 1,564 \$129,500,000 \$82,20 Atlantic Galloway	Ocean	Jackson	51,607	\$5,676,400,000	\$110,000
Burlington Evesham 46,858 \$4,675,400,000 \$99,80 Burlington Southampton 10,952 \$1,088,600,000 \$99,40 Burlington Medford Lakes 4,202 \$413,200,000 \$99,40 Burlington Medford Lakes 4,202 \$413,200,000 \$98,300 Docean Plumsted 8,045 \$788,300,000 \$98,000 Burlington Shamong 6,827 \$660,000,000 \$96,70 Atlantic Estell Manor 1,707 \$164,600,000 \$994,00 Burlington Tabernacle 7,349 \$673,400,000 \$91,60 Docean Manchester 42,112 \$3,649,700,000 \$94,50 Docean Manchester 42,112 \$3,649,700,000 \$86,70 Atlantic Hamilton 23,699 \$2,050,200,000 \$86,50 Camden Berlin Township 5,372 \$449,000,000 \$83,60 Camden Berlin Township 5,372 \$449,000,000 \$82,90 Burlington Bass River 1,564 \$129,500,000 \$82,90 Burlington Bass River 1,564 \$129,500,000 \$82,90 Atlantic Galloway 35,058 \$2,891,800,000 \$82,50 Docean Beachwood 10,740 \$839,400,000 \$78,20 Atlantic Mullica 6,070 \$453,100,000 \$78,20 Atlantic Folsom 1,979 \$146,300,000 \$73,90 Gloucester Monroe 30,960 \$2,100,100,000 \$67,80 Gloucester Franklin 16,378 \$1,077,500,000 \$65,80 Camden Waterford 10,679 \$685,200,000 \$67,80 Camden Waterford 10,679 \$685,200,000 \$67,80 Camden Waterford 10,679 \$685,200,000 \$67,80 Camden Winslow 36,061 \$2,228,800,000 \$57,70 Docean Lakehurst 2,690 \$150,800,000 \$56,80 Docean Lakehurst 2,690 \$150,800,000 \$49,50 Burlington Pemberton Township 28,967 \$1,284,800,000 \$49,50 Burlington Pemberton Township 28,967 \$1,284,800,000 \$44,40 Camden Chesilhurst 1,811 \$58,000,000 \$44,40 Camden Chesilhurst 1,811 \$58,000,000 \$34,90 Camden Chesilhurst 1,811 \$58,000,000 \$34,90 Camden Berlin Borough 7,595 \$606,900,000 \$79,90 Cumberland Maurice River 7,542 \$217,500,000 \$32,80 Burlington Springfield 3,5	Atlantic	Port Republic	1,140	\$119,800,000	\$105,100
Burlington Southampton 10,952 \$1,088,600,000 \$99,40 Burlington Medford Lakes 4,202 \$413,200,000 \$98,30 Ocean Plumsted 8,045 \$788,300,000 \$98,00 Burlington Shamong 6,827 \$660,000,000 \$96,70 Attantic Estell Manor 1,707 \$164,600,000 \$91,60 Docean Manchester 42,112 \$3,649,700,000 \$86,70 Attantic Hamilton 23,699 \$2,050,200,000 \$86,50 Camden Berlin Township 5,372 \$449,000,000 \$83,60 Attantic Hammonton 13,280 \$1,101,200,000 \$82,80 Burlington Bass River 1,564 \$129,500,000 \$82,80 Attantic Galloway 35,058 \$2,891,800,000 \$82,50 Docean Beachwood 10,740 \$839,400,000 \$78,20 Attantic Mullica 6,070 \$453,100,000 \$73,90 Gloucester Monroe 30,960 <td>Atlantic</td> <td>Egg Harbor Township</td> <td>36,877</td> <td>\$3,795,000,000</td> <td>\$102,900</td>	Atlantic	Egg Harbor Township	36,877	\$3,795,000,000	\$102,900
Burlington Medford Lakes 4,202 \$413,200,000 \$98,300	Burlington	Evesham	46,858	\$4,675,400,000	\$99,800
Ocean Plumsted 8,045 \$788,300,000 \$98,00 Burlington Shamong 6,827 \$660,000,000 \$96,70 Burlington Tabernacle 1,707 \$164,600,000 \$91,60 Burlington Tabernacle 7,349 \$673,400,000 \$91,60 Ocean Manchester 42,112 \$3,649,700,000 \$86,70 Atlantic Hamilton 23,699 \$2,050,200,000 \$86,80 Atlantic Hammonton 13,280 \$1,101,200,000 \$83,60 Atlantic Hammonton 13,280 \$1,101,200,000 \$82,90 Burlington Bass River 1,564 \$129,500,000 \$82,90 Atlantic Galloway 35,058 \$2,891,800,000 \$82,80 Atlantic Galloway 35,058 \$2,891,800,000 \$82,50 Ocean Beachwood 10,740 \$839,400,000 \$74,70 Atlantic Multimatic 6,070 \$453,100,000 \$77,20 Atlantic Folson 1,979	Burlington	Southampton	10,952	\$1,088,600,000	\$99,400
Burlington Shamong S	Burlington	Medford Lakes	4,202	\$413,200,000	\$98,300
Atlantic Estell Manor 1,707 \$164,600,000 \$96,40 Burlington Tabernacle 7,349 \$673,400,000 \$91,60 Ocean Manchester 42,112 \$3,649,700,000 \$86,50 Atlantic Hamilton 23,699 \$2,050,200,000 \$86,50 Atlantic Hammonton 13,280 \$1,101,200,000 \$82,90 Burlington Bass River 1,564 \$129,500,000 \$82,80 Atlantic Galloway 35,058 \$2,89,800,000 \$82,80 Atlantic Galloway 35,058 \$2,81,800,000 \$82,50 Ocean Beachwood 10,740 \$839,400,000 \$73,20 Atlantic Mullica 6,070 \$4453,100,000 \$73,30 Atlantic Flosom 1,979 \$146,300,000 \$73,30 Gloucester Monroe 30,960 \$2,100,100,000 \$67,80 Gloucester Fanklin 16,378 \$1,070,500,000 \$64,20 Atlantic Buena 3,862 <t< td=""><td>Ocean</td><td>Plumsted</td><td>8,045</td><td>\$788,300,000</td><td>\$98,000</td></t<>	Ocean	Plumsted	8,045	\$788,300,000	\$98,000
Burlington Tabernacle 7,349 \$673,400,000 \$91,600	Burlington	Shamong	6,827	\$660,000,000	\$96,700
Ocean Manchester 42,112 \$3,649,700,000 \$86,70 Atlantic Hamilton 23,699 \$2,050,200,000 \$86,50 Camden Berlin Township 5,372 \$449,000,000 \$83,60 Atlantic Hammonton 13,280 \$1,101,200,000 \$82,90 Burlington Bass River 1,564 \$129,500,000 \$82,80 Atlantic Galloway 35,058 \$2,891,800,000 \$82,80 Ocean Beachwood 10,740 \$839,400,000 \$74,70 Atlantic Mullica 6,070 \$453,100,000 \$74,70 Atlantic Folsom 1,979 \$146,300,000 \$73,90 Gloucester Monroe 30,960 \$2,100,100,000 \$67,80 Gloucester Franklin 16,378 \$1,070,500,000 \$65,40 Camden Waterford 10,679 \$685,200,000 \$64,20 Atlantic Buena 3,862 \$222,800,000 \$57,70 Ocean South Toms River 3,699 <	Atlantic	Estell Manor	1,707	\$164,600,000	\$96,400
Atlantic Hamilton 23,699 \$2,050,200,000 \$86,500 Camden Berlin Township 5,372 \$449,000,000 \$83,600 Atlantic Hammonton 13,280 \$1,101,200,000 \$82,900 Burlington Bass River 1,564 \$129,500,000 \$82,800 Atlantic Galloway 35,058 \$2,891,800,000 \$82,800 Ocean Beachwood 10,740 \$839,400,000 \$78,200 Atlantic Mullica 6,070 \$453,100,000 \$74,700 Atlantic Folsom 1,979 \$146,300,000 \$73,900 Gloucester Monroe 30,960 \$2,100,100,000 \$65,400 Camden Waterford 10,679 \$685,200,000 \$66,400 Atlantic Buena 3,862 \$222,800,000 \$57,700 Cean South Toms River 3,699 \$213,100,000 \$57,000 Camden Winslow 36,061 \$2,048,000,000 \$56,800 Camden Winslow 36,061 \$2,048,000,000 \$56,800 Atlantic Egg Harbor City 4,500 \$224,500,000 \$49,500 Burlington Pemberton Township 28,967 \$1,284,800,000 \$44,400 Camden Chesilhurst 1,811 \$88,000,000 \$44,400 Camden Chesilhurst 1,811 \$88,000,000 \$34,900 Camden Chesilhurst 1,811 \$88,000,000 \$34,900 Cumberland Maurice River 7,542 \$217,500,000 \$6,900 Cumberland Maurice River 7,542 \$217,500,000 \$34,900 Cumberland Sperin Borough 7,595 \$66,60,000,000 \$79,900 Atlantic Corbin City 525 \$28,100,000 \$55,000 Cumberland Vineland 58,009 \$2,919,600,000 \$55,000	Burlington	Tabernacle	7,349	\$673,400,000	\$91,600
Camden Berlin Township 5,372 \$449,000,000 \$83,60 Atlantic Hammonton 13,280 \$1,101,200,000 \$82,90 Burlington Bass River 1,564 \$129,500,000 \$82,80 Atlantic Galloway 35,058 \$2,891,800,000 \$82,50 Ocean Beachwood 10,740 \$839,400,000 \$74,70 Atlantic Mullica 6,070 \$453,100,000 \$74,70 Atlantic Folsom 1,979 \$146,300,000 \$73,90 Gloucester Monroe 30,960 \$2,100,100,000 \$67,80 Gloucester Franklin 16,378 \$1,070,500,000 \$64,20 Camden Waterford 10,679 \$685,200,000 \$64,20 Atlantic Buena Vista 7,563 \$454,000,000 \$60,00 Atlantic Buena 3,862 \$222,800,000 \$57,70 Ocean South Toms River 3,699 \$213,100,000 \$56,80 Camden Winslow 36,061 \$	Ocean	Manchester	42,112	\$3,649,700,000	\$86,700
Atlantic Hammonton 13,280 \$1,101,200,000 \$82,90 Burlington Bass River 1,564 \$129,500,000 \$82,80 Atlantic Galloway 35,058 \$2,891,800,000 \$82,50 Ocean Beachwood 10,740 \$839,400,000 \$74,70 Atlantic Mullica 6,070 \$453,100,000 \$73,90 Atlantic Folsom 1,979 \$146,300,000 \$73,90 Gloucester Monroe 30,960 \$2,100,100,000 \$67,80 Gloucester Franklin 16,378 \$1,070,500,000 \$65,40 Camden Waterford 10,679 \$685,200,000 \$64,20 Atlantic Buena 3,862 \$222,800,000 \$57,70 Ocean South Toms River 3,699 \$213,100,000 \$57,60 Camden Winslow 36,061 \$2,048,000,000 \$56,80 Ocean Lakehurst 2,690 \$150,800,000 \$56,80 Ocean Lakehurst 2,690 \$150,800,00	Atlantic	Hamilton	23,699	\$2,050,200,000	\$86,500
Atlantic Hammonton 13,280 \$1,101,200,000 \$82,90 Burlington Bass River 1,564 \$129,500,000 \$82,80 Atlantic Galloway 35,058 \$2,891,800,000 \$82,50 Ocean Beachwood 10,740 \$839,400,000 \$74,70 Atlantic Mullica 6,070 \$453,100,000 \$73,90 Atlantic Folsom 1,979 \$146,300,000 \$73,90 Gloucester Monroe 30,960 \$2,100,100,000 \$67,80 Gloucester Franklin 16,378 \$1,070,500,000 \$65,40 Camden Waterford 10,679 \$685,200,000 \$64,20 Atlantic Buena 3,862 \$222,800,000 \$57,70 Ocean South Toms River 3,699 \$213,100,000 \$57,60 Camden Winslow 36,061 \$2,048,000,000 \$56,80 Ocean Lakehurst 2,690 \$150,800,000 \$56,80 Ocean Lakehurst 2,690 \$150,800,00	Camden	Berlin Township			\$83,600
Burlington Bass River 1,564 \$129,500,000 \$82,80 Atlantic Galloway 35,058 \$2,891,800,000 \$82,50 Ocean Beachwood 10,740 \$839,400,000 \$78,20 Atlantic Mullica 6,070 \$453,100,000 \$73,90 Atlantic Folsom 1,979 \$146,300,000 \$73,90 Gloucester Monroe 30,960 \$2,100,100,000 \$67,80 Gloucester Franklin 16,378 \$1,070,500,000 \$65,80 Camden Waterford 10,679 \$685,200,000 \$64,20 Atlantic Buena Vista 7,563 \$454,000,000 \$67,70 Ocean South Toms River 3,699 \$223,000,000 \$57,70 Ocean South Toms River 3,699 \$213,100,000 \$56,80 Ocean Lakehurst 2,690 \$150,800,000 \$56,80 Ocean Lakehurst 2,690 \$150,800,000 \$56,00 Atlantic Weymouth 2,325 \$115	Atlantic	+			
Atlantic Galloway 35,058 \$2,891,800,000 \$82,50 Ocean Beachwood 10,740 \$839,400,000 \$78,200 Atlantic Mullica 6,070 \$453,100,000 \$74,70 Atlantic Folsom 1,979 \$146,300,000 \$73,90 Gloucester Monroe 30,960 \$2,100,100,00 \$67,80 Gloucester Franklin 16,378 \$1,070,500,000 \$65,40 Camden Waterford 10,679 \$685,200,000 \$64,20 Atlantic Buena Vista 7,563 \$454,000,000 \$60,00 Atlantic Buena 3,862 \$222,800,000 \$57,70 Ocean South Toms River 3,699 \$213,100,000 \$56,80 Camden Winslow 36,061 \$2,048,000,000 \$56,80 Ocean Lakehurst 2,690 \$150,800,000 \$56,80 Atlantic Egg Harbor City 4,500 \$224,500,000 \$49,90 Atlantic Weymouth 2,325 \$115,00	Burlington	Bass River			\$82,800
Atlantic Mullica 6,070 \$453,100,000 \$74,700 Atlantic Folsom 1,979 \$146,300,000 \$73,900 Gloucester Monroe 30,960 \$2,100,100,000 \$67,800 Gloucester Franklin 16,378 \$1,070,500,000 \$65,400 Camden Waterford 10,679 \$685,200,000 \$64,200 Atlantic Buena Vista 7,563 \$454,000,000 \$60,000 Atlantic Buena 3,862 \$222,800,000 \$57,700 Cocan South Toms River 3,699 \$213,100,000 \$56,800 Camden Winslow 36,061 \$2,048,000,000 \$56,800 Ocean Lakehurst 2,690 \$150,800,000 \$56,800 Atlantic Egg Harbor City 4,500 \$224,500,000 \$49,900 Atlantic Weymouth 2,325 \$115,000,000 \$44,400 Cape May Woodbine 2,616 \$116,000,000 \$34,900 Cape May Woodbine 2,616	Atlantic	Galloway			\$82,500
Atlantic Mullica 6,070 \$453,100,000 \$74,70 Atlantic Folsom 1,979 \$146,300,000 \$73,90 Gloucester Monroe 30,960 \$2,100,100,000 \$67,80 Gloucester Franklin 16,378 \$1,070,500,000 \$65,40 Camden Waterford 10,679 \$685,200,000 \$64,20 Atlantic Buena Vista 7,563 \$454,000,000 \$60,00 Atlantic Buena 3,862 \$222,800,000 \$57,70 Ocean South Toms River 3,699 \$213,100,000 \$57,60 Camden Winslow 36,061 \$2,048,000,000 \$56,80 Ocean Lakehurst 2,690 \$150,800,000 \$56,00 Atlantic Egg Harbor City 4,500 \$224,500,000 \$49,90 Atlantic Weymouth 2,325 \$115,000,000 \$44,90 Burlington Pemberton Township 28,967 \$1,284,800,000 \$44,40 Cape May Woodbine 2,616	Ocean	Beachwood	10,740	\$839,400,000	\$78,200
Atlantic Folsom 1,979 \$146,300,000 \$73,90 Gloucester Monroe 30,960 \$2,100,100,000 \$67,80 Gloucester Franklin 16,378 \$1,070,500,000 \$65,400 Camden Waterford 10,679 \$685,200,000 \$64,200 Atlantic Buena Vista 7,563 \$454,000,000 \$60,000 Atlantic Buena 3,862 \$222,800,000 \$57,70 Ocean South Toms River 3,699 \$213,100,000 \$57,60 Camden Winslow 36,061 \$2,048,000,000 \$56,80 Ocean Lakehurst 2,690 \$150,800,000 \$56,80 Ocean Lakehurst 2,690 \$150,800,000 \$49,90 Atlantic Egg Harbor City 4,500 \$224,500,000 \$49,90 Atlantic Weymouth 2,325 \$115,000,000 \$49,90 Burlington Pemberton Township 28,967 \$1,284,800,000 \$44,40 Burlington Wrightstown 749	Atlantic	Mullica	6,070		\$74,700
Gloucester Monroe 30,960 \$2,100,100,000 \$67,800 Gloucester Franklin 16,378 \$1,070,500,000 \$65,400 Camden Waterford 10,679 \$685,200,000 \$64,200 Atlantic Buena Vista 7,563 \$454,000,000 \$60,000 Atlantic Buena 3,862 \$222,800,000 \$57,700 Ocean South Toms River 3,699 \$213,100,000 \$57,600 Camden Winslow 36,061 \$2,048,000,000 \$56,800 Ocean Lakehurst 2,690 \$150,800,000 \$56,000 Atlantic Egg Harbor City 4,500 \$224,500,000 \$49,900 Atlantic Weymouth 2,325 \$115,000,000 \$49,500 Burlington Pemberton Township 28,967 \$1,284,800,000 \$44,400 Cape May Woodbine 2,616 \$116,000,000 \$44,300 Burlington Wrightstown 749 \$26,100,000 \$34,900 Camden Chesilhurst <t< td=""><td>Atlantic</td><td>Folsom</td><td>1,979</td><td>\$146,300,000</td><td>\$73,900</td></t<>	Atlantic	Folsom	1,979	\$146,300,000	\$73,900
Gloucester Franklin 16,378 \$1,070,500,000 \$65,400 Camden Waterford 10,679 \$685,200,000 \$64,200 Atlantic Buena Vista 7,563 \$454,000,000 \$60,000 Atlantic Buena 3,862 \$222,800,000 \$57,700 Ocean South Toms River 3,699 \$213,100,000 \$57,600 Camden Winslow 36,061 \$2,048,000,000 \$56,800 Ocean Lakehurst 2,690 \$150,800,000 \$56,000 Atlantic Egg Harbor City 4,500 \$224,500,000 \$49,900 Atlantic Weymouth 2,325 \$115,000,000 \$44,500 Burlington Pemberton Township 28,967 \$1,284,800,000 \$44,400 Cape May Woodbine 2,616 \$116,000,000 \$44,300 Burlington Wrightstown 749 \$26,100,000 \$34,900 Camden Chesilhurst 1,811 \$58,000,000 \$32,000 Cumberland Maurice River	Gloucester	Monroe		\$2,100,100,000	\$67,800
Camden Waterford 10,679 \$685,200,000 \$64,20 Atlantic Buena Vista 7,563 \$454,000,000 \$60,00 Atlantic Buena 3,862 \$222,800,000 \$57,70 Ocean South Toms River 3,699 \$213,100,000 \$57,60 Camden Winslow 36,061 \$2,048,000,000 \$56,80 Ocean Lakehurst 2,690 \$150,800,000 \$56,00 Atlantic Egg Harbor City 4,500 \$224,500,000 \$49,90 Atlantic Weymouth 2,325 \$115,000,000 \$49,50 Burlington Pemberton Township 28,967 \$1,284,800,000 \$44,40 Cape May Woodbine 2,616 \$116,000,000 \$44,30 Burlington Wrightstown 749 \$26,100,000 \$34,90 Camden Chesilhurst 1,811 \$58,000,000 \$32,00 Cumberland Maurice River 7,542 \$217,500,000 \$28,80 Burlington New Hanover 9,815 <td>Gloucester</td> <td></td> <td></td> <td></td> <td>\$65,400</td>	Gloucester				\$65,400
Atlantic Buena Vista 7,563 \$454,000,000 \$60,00 Atlantic Buena 3,862 \$222,800,000 \$57,70 Ocean South Toms River 3,699 \$213,100,000 \$57,60 Camden Winslow 36,061 \$2,048,000,000 \$56,80 Ocean Lakehurst 2,690 \$150,800,000 \$56,00 Atlantic Egg Harbor City 4,500 \$224,500,000 \$49,90 Atlantic Weymouth 2,325 \$115,000,000 \$49,50 Burlington Pemberton Township 28,967 \$1,284,800,000 \$44,40 Cape May Woodbine 2,616 \$116,000,000 \$34,90 Cape May Woodbine 2,616 \$116,000,000 \$34,90 Camden Chesilhurst 1,811 \$58,000,000 \$32,00 Camden Chesilhurst 1,811 \$58,000,000 \$28,80 Burlington New Hanover 9,815 \$67,500,000 \$6,90 "Outside" Municipalities \$419,900,000 <td< td=""><td>Camden</td><td>Waterford</td><td></td><td></td><td></td></td<>	Camden	Waterford			
Atlantic Buena 3,862 \$222,800,000 \$57,70 Ocean South Toms River 3,699 \$213,100,000 \$57,60 Camden Winslow 36,061 \$2,048,000,000 \$56,80 Ocean Lakehurst 2,690 \$150,800,000 \$56,00 Atlantic Egg Harbor City 4,500 \$224,500,000 \$49,90 Atlantic Weymouth 2,325 \$115,000,000 \$49,50 Burlington Pemberton Township 28,967 \$1,284,800,000 \$44,40 Cape May Woodbine 2,616 \$116,000,000 \$44,30 Burlington Wrightstown 749 \$26,100,000 \$34,90 Camden Chesilhurst 1,811 \$58,000,000 \$32,00 Cumberland Maurice River 7,542 \$217,500,000 \$6,90 "Outside" Municipalities \$67,500,000 \$6,90 Burlington Springfield 3,543 \$419,900,000 \$118,50 Camden Berlin Borough 7,595 \$606,900,000	Atlantic	Buena Vista			\$60,000
Ocean South Toms River 3,699 \$213,100,000 \$57,60 Camden Winslow 36,061 \$2,048,000,000 \$56,80 Ocean Lakehurst 2,690 \$150,800,000 \$56,00 Atlantic Egg Harbor City 4,500 \$224,500,000 \$49,90 Atlantic Weymouth 2,325 \$115,000,000 \$44,50 Burlington Pemberton Township 28,967 \$1,284,800,000 \$44,40 Cape May Woodbine 2,616 \$116,000,000 \$44,30 Burlington Wrightstown 749 \$26,100,000 \$34,90 Camden Chesilhurst 1,811 \$58,000,000 \$32,00 Cumberland Maurice River 7,542 \$217,500,000 \$28,80 Burlington New Hanover 9,815 \$67,500,000 \$6,90 "Outside" Municipalities ** ** \$419,900,000 \$118,50 Camden Springfield 3,543 \$419,900,000 \$79,90 Atlantic Corbin City <t< td=""><td>Atlantic</td><td>Buena</td><td>+</td><td>\$222.800.000</td><td></td></t<>	Atlantic	Buena	+	\$222.800.000	
Camden Winslow 36,061 \$2,048,000,000 \$56,80 Ocean Lakehurst 2,690 \$150,800,000 \$56,00 Atlantic Egg Harbor City 4,500 \$224,500,000 \$49,90 Atlantic Weymouth 2,325 \$115,000,000 \$49,50 Burlington Pemberton Township 28,967 \$1,284,800,000 \$44,40 Cape May Woodbine 2,616 \$116,000,000 \$44,30 Burlington Wrightstown 749 \$26,100,000 \$34,90 Camden Chesilhurst 1,811 \$58,000,000 \$32,00 Cumberland Maurice River 7,542 \$217,500,000 \$28,80 Burlington New Hanover 9,815 \$67,500,000 \$6,90 "Outside" Municipalities *** *** ** Burlington Springfield 3,543 \$419,900,000 \$118,50 Camden Berlin Borough 7,595 \$606,900,000 \$79,90 Atlantic Corbin City 525 \$28,10	Ocean			<u> </u>	\$57,600
Ocean Lakehurst 2,690 \$150,800,000 \$56,00 Atlantic Egg Harbor City 4,500 \$224,500,000 \$49,90 Atlantic Weymouth 2,325 \$115,000,000 \$49,50 Burlington Pemberton Township 28,967 \$1,284,800,000 \$44,40 Cape May Woodbine 2,616 \$116,000,000 \$44,30 Burlington Wrightstown 749 \$26,100,000 \$34,90 Camden Chesilhurst 1,811 \$58,000,000 \$32,00 Cumberland Maurice River 7,542 \$217,500,000 \$28,80 Burlington New Hanover 9,815 \$67,500,000 \$6,90 "Outside" Municipalities ** ** ** Burlington Springfield 3,543 \$419,900,000 \$118,50 Camden Berlin Borough 7,595 \$606,900,000 \$79,90 Atlantic Corbin City 525 \$28,100,000 \$50,30 Cumberland Vineland 58,009 \$2,919	Camden				\$56,800
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PURIDATON INJORTH HONOVOR I (507) PORTIONA AND MATERIA	Cumperland Burlington	North Hanover	7,582	\$2,919,600,000 \$360,300,000	\$50,300 \$47,500

^{*} Values have been rounded. Shown in current 2005 dollars.



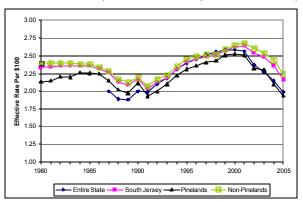
Effective Tax Rate



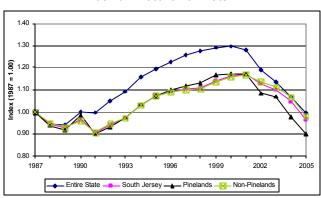
NJ Dept of Treasury, Division of Taxation 1994 - 2001 NJ Dept of Community Affairs, Div LGS 1980 - 93, 2002 - 04

• Effective Tax Rates have declined by 23% in the Pinelands over the last 5 years. During the same time period, effective tax rates have fallen in the Non-Pinelands by 15%.

Effective Tax Rate (Per \$100 State Equalized Valuation)



Index of Effective Tax Rate



<u>Description</u>: The effective tax rate measures the ratio of taxes to property value. The effective tax rate is the rate at which the municipality taxes the (equalized) assessed value of property, and is equal to the general property tax adjusted by the municipality's equalization ratio as calculated by the NJ Dept of the Treasury, Division of Taxation.

<u>Unit of Analysis</u>: Average effective tax rate data are compiled at the municipal level and aggregated to allow for inside/outside Pinelands, regional, and statewide analyses.

Summary of Previous Findings

Effective tax rates in all regions remained steady or increased slightly in the early 1980's before beginning a period of decline in 1986. Although statewide data were not available until 1987, statewide effective tax rates were below rates outside of the Pinelands, but surpassed rates inside of the Pinelands in 1991. Effective tax rates have gradually increased in all regions since the early 1990's and surpassed earlier highs set in the 1980's. Pinelands effective tax rates continue to remain lower than all other regions of New Jersey. Rates began falling in 2001 and continued to fall through 2004.

<u>Update</u>

Effective tax rates declined across all regions of the state for the fifth consecutive year in 2005. Fueled by a real estate market characterized by sharply increasing home prices, effective tax rates experienced their largest one-year percentage decrease since 1991. Statewide, New Jersey posted a decrease of 7.1% in effective tax rates in 2005, dropping from 2.14 in 2004 to 1.99 in 2005. In Southern New Jersey, effective tax rates fell 7.9% in both the Non-Pinelands (from 2.44 to 2.24) and the Pinelands (from 2.10 to 1.94). The decrease in effective tax rates is linked to an increase in home sale price and a corresponding increase in equalized property valuation. A detailed explanation of how effective tax rates are computed and the synergy between home sales price, equalized value, and effective tax rates can be found in the 2003 Annual Report.

Studies have suggested that effective tax rates above 3.00 indicate municipal fiscal stress.¹⁵ Berlin Township is the only Pinelands municipality with a rate higher than 3.00. This municipality represents 2.1% of the 47 Pinelands municipalities. By contrast, in the Non-Pinelands 27 municipalities have effective tax rates above 3.00, which represents 17.4% of the Non-Pinelands municipalities. The majority of municipalities with rates above 3.00 are clustered in Camden County (Figure F3).

¹⁵ See "The Property Tax Trouble Zone Moves Beyond Big Cities" by Coleman, New Jersey Municipalities, Dec 2002, p. 66-69

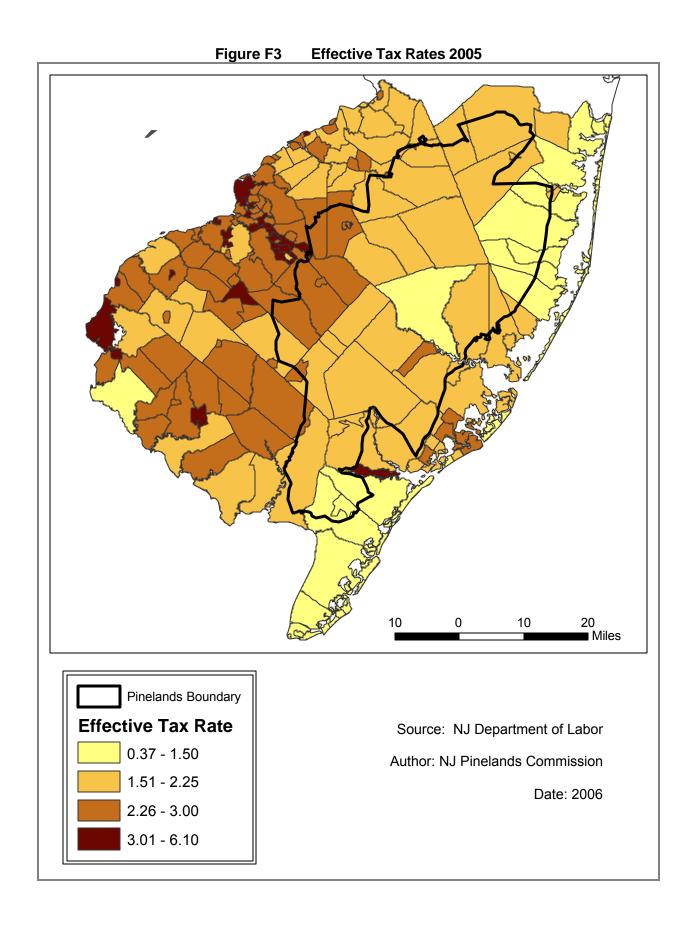
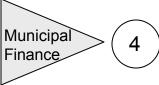


Table F3 Effective Tax Rates 2005

Municipality	County	Effective Tax Rate	South Jersey Rank
Berlin Township	Camden	3.012	25
Egg Harbor City	Atlantic	2.896	33
Waterford	Camden	2.792	41
Winslow	Camden	2.753	42
Monroe	Gloucester	2.703	53
Chesilhurst	Camden	2.676	55
Medford Lakes	Burlington	2.63	61
Buena	Atlantic	2.485	76
Medford	Burlington	2.41	79
Evesham	Burlington	2.302	90
Franklin	Gloucester	2.24	102
Hammonton	Atlantic	2.214	107
Wrightstown	Burlington	2.16	110
Pemberton Township	Burlington	2.148	112
Maurice River	Cumberland	2.135	114
Tabernacle	Burlington	2.101	116
Buena Vista	Atlantic	2.097	118
Shamong	Burlington	2.063	121
Mullica	Atlantic	2.001	127
Southampton	Burlington	1.988	128
Galloway	Atlantic	1.979	129
Hamilton	Atlantic	1.955	131
Weymouth	Atlantic	1.935	133
Lakehurst	Ocean	1.898	134
Egg Harbor Township	Atlantic	1.859	138
Bass River	Burlington	1.815	139
Woodland		1.804	141
New Hanover	Burlington	1.735	144
Little Egg Harbor	Burlington	1.708	144
South Toms River	Ocean	1.688	145
Estell Manor	Ocean Atlantic	1.668	146
			7.77
Folsom	Atlantic	1.659	149 151
Jackson	Ocean	1.621	151
Port Republic	Atlantic	1.621	
Plumsted	Ocean	1.558	154
Eagleswood	Ocean	1.514	157
Beachwood	Ocean	1.508	158
Manchester	Ocean	1.505	159
Stafford	Ocean	1.463	160
Berkeley	Ocean	1.449	163
Ocean	Ocean	1.435	165
Washington	Burlington	1.428	167
Lacey	Ocean	1.413	168
Upper	Cape May	1.359	170
Barnegat	Ocean	1.265	173
Woodbine	Cape May	1.212	176
Dennis	Cape May	1.184	178
"Outside" Municipalities			
Corbin City	Atlantic	3.534	6
Berlin Borough	Camden	2.512	74
Vineland	Cumbarland	2.302	90
	Cumberland	2.302	30
Springfield	Burlington	2.044	123

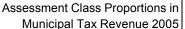


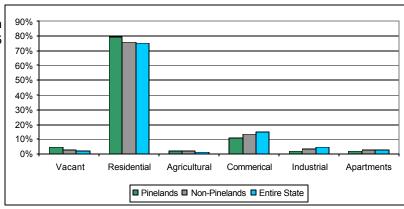
Assessment Class Proportions in Municipal Tax Revenues



NJ Dept of Community Affairs, Div LGS 1980 – 1994, 2002 - 2005

• The vacant land category in the Pinelands has declined from 11.2% of total assessment in 1985 to 4.6% in 2005. Over the same period, the residential category has increased 8.7%.





<u>Description</u>: The relative contribution of the different assessment classes (e.g., commercial, residential, and vacant land) to the tax revenue of each municipality measures the reliance of the municipality on different types of land uses for tax revenues.

<u>Unit of Analysis</u>: Data for assessment class proportions are compiled at the municipal level and aggregated to allow for inside/outside Pinelands, regional, and statewide analyses.

Summary of Previous Findings

The Department of Community Affairs once again began compiling this data in 2004. Because a complete time series is still unavailable, this section examines changes in assessment class proportions using ten-year intervals of 1985, 1995, and 2005. Since land use changes of any magnitude evolve rather slowly, it is appropriate to look at changes over such larger periods as opposed to annual reviews.

<u>Update</u>

The Pinelands has a higher percentage of assessed property in the vacant and residential categories than the Non-Pinelands, and has generally had lower percentages in the remaining categories compared to the Non-Pinelands, particularly in the industrial and apartment categories. The predominant trend in the Pinelands is the decrease in the vacant assessment category as a percentage of total assessment and an increase in the residential category. Vacant land comprised 11.2% of total Pinelands assessed value in 1985, but dropped to 8.0% in 1995 and declined even further to 4.6% in 2005. Possible explanations include the development of vacant land, an increase in the value of developed land at a higher rate than that of vacant land, and/or a decrease in the value of vacant land. Meanwhile, the percent total of residential land increased from 70.7% in 1985, to 74.1% in 1995, to 79.4% in 2005. The percentage of assessment in agricultural and commercial land has remained relatively steady between 1995 and 2005, while the percentage of industrial assessed value has decreased.

The Pinelands municipalities of Medford Lakes, Beachwood, Tabernacle, Berkeley, Shamong, and Port Republic have the highest percentage of assessed value in the residential category (above ninety percent) in the Pinelands. Wrightstown, Berlin Township, and Woodbine have the lowest percentage of assessed value in the residential category (below sixty percent).

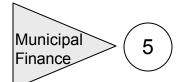
Table F4a Assessment Class Proportions in Municipal Valuations

	1985	1995	2005	Change from 1985 - 2005
Pinelands	1000			1000 2000
Vacant	11.2%	8.0%	4.6%	-6.6%
Residential	70.7%	74.1%	79.4%	8.7%
Agricultural	3.3%	2.2%	2.0%	-1.3%
Commercial	10.6%	11.7%	11.0%	0.4%
Industrial	2.1%	2.4%	1.6%	-0.6%
Apartments	2.0%	1.6%	1.4%	-0.5%
Non-Pinelands				
Vacant	4.1%	3.4%	2.7%	-1.4%
Residential	69.0%	72.1%	75.5%	6.5%
Agricultural	4.3%	3.1%	2.1%	-2.2%
Commercial	14.0%	13.5%	13.2%	-0.8%
Industrial	4.6%	4.4%	3.5%	-1.2%
Apartments	3.2%	2.8%	2.9%	-0.3%
State				
Vacant	4.0%	3.3%	2.2%	-1.8%
Residential	66.8%	70.0%	74.8%	8.1%
Agricultural	1.1%	0.9%	0.8%	-0.3%
Commercial	15.7%	15.9%	14.8%	-1.0%
Industrial	8.4%	7.1%	4.6%	-3.8%
Apartments	4.0%	2.9%	2.8%	-1.2%

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Table F4b 2005 Assessment Class Proportions for Pinelands Municipalities

Municipality	County	Vacant	Residential	Agricultural	Commercial	Industrial	Apartments
Medford Lakes	Burlington	0.5%	98.1%	0.0%	1.5%	0.0%	0.0%
Beachwood	Ocean	1.3%	94.8%	0.0%	3.8%	0.0%	0.2%
Tabernacle	Burlington	1.8%	93.0%	2.6%	2.5%	0.1%	0.0%
Shamong	Burlington	1.3%	92.6%	3.7%	2.0%	0.4%	0.0%
Berkeley	Ocean	1.9%	92.1%	0.0%	4.6%	0.4%	1.0%
Port Republic	Atlantic	4.2%	91.0%	1.6%	3.2%	0.0%	0.0%
Waterford	Camden	2.3%	87.0%	2.1%	7.9%	0.3%	0.5%
Medford	Burlington	1.2%	87.0%	1.2%	8.4%	0.5%	1.7%
Pemberton Township	Burlington	2.2%	86.9%	1.9%	6.3%	0.5%	2.2%
Plumsted	Ocean	2.3%	86.7%	4.6%	5.0%	1.0%	0.4%
Stafford	Ocean	4.4%	86.6%	0.0%	8.8%	0.1%	0.1%
Little Egg Harbor	Ocean	6.0%	86.4%	0.2%	7.3%	0.0%	0.2%
Barnegat	Ocean	5.1%	86.4%	0.1%	5.4%	0.2%	2.8%
Lacey	Ocean	2.7%	86.0%	0.1%	7.3%	3.8%	0.0%
Ocean	Ocean	9.4%	85.3%	0.2%	5.0%	0.1%	0.0%
Mullica	Atlantic	6.0%	85.0%	2.2%	5.7%	0.9%	0.2%
Jackson	Ocean	3.7%	84.7%	0.5%	9.3%	0.7%	1.1%
Southampton	Burlington	2.8%	84.5%	5.3%	6.4%	1.0%	0.0%
Winslow	Camden	3.8%	84.1%	1.6%	6.6%	1.6%	2.4%
Chesilhurst	Camden	8.9%	84.0%	0.0%	5.3%	1.3%	0.5%
Monroe	Gloucester	2.8%	83.7%	1.2%	10.6%	0.5%	1.2%
South Toms River	Ocean	2.7%	83.2%	0.0%	14.1%	0.1%	0.0%
Franklin	Gloucester	4.3%	82.5%	4.5%	8.4%	0.0%	0.3%
Weymouth	Atlantic	6.2%	82.4%	0.3%	9.3%	0.2%	1.6%
Galloway	Atlantic	4.0%	81.7%	0.6%	10.7%	0.7%	2.3%
Upper	Cape May	6.1%	81.3%	0.5%	10.8%	1.3%	0.1%
Estell Manor	Atlantic	11.7%	81.1%	2.3%	3.0%	1.4%	0.6%
Maurice River	Cumberland	7.3%	79.6%	3.1%	4.5%	5.5%	0.1%
Evesham	Burlington	1.0%	79.4%	0.2%	14.8%	0.7%	3.9%
Washington	Burlington	4.5%	78.9%	5.3%	9.1%	2.1%	0.2%
Buena Vista	Atlantic	6.8%	78.4%	4.3%	8.1%	2.4%	0.0%
Manchester	Ocean	3.2%	76.0%	0.1%	6.7%	0.5%	13.5%
Bass River	Burlington	7.6%	75.6%	2.5%	14.2%	0.0%	0.0%
Lakehurst	Ocean	1.3%	75.3%	0.0%	22.9%	0.0%	0.5%
Dennis	Cape May	8.2%	74.7%	1.9%	15.2%	0.0%	0.0%
Folsom	Atlantic	4.4%	74.2%	1.1%	9.4%	11.0%	0.0%
Buena	Atlantic	2.3%	72.7%	6.6%	12.0%	3.5%	3.0%
Hammonton	Atlantic	3.2%	71.8%	3.0%	18.3%	2.8%	1.0%
Egg Harbor Township	Atlantic	8.1%	71.6%	0.2%	19.8%	0.0%	0.4%
	Atlantic	2.4%	70.7%	0.0%	19.1%	4.1%	3.7%
Eagleswood	Ocean	14.6%	69.1%	0.2%	13.4%	2.5%	0.2%
Woodland	Burlington	6.4%	68.8%	13.8%	4.6%	6.4%	0.0%
New Hanover	Burlington	4.7%	65.5%	7.0%	22.6%	0.2%	0.0%
Hamilton	Atlantic	5.3%	61.5%	0.7%	28.1%	1.4%	3.1%
Woodbine	Cape May	10.1%	57.5%	4.9%	21.0%	3.2%	3.3%
Berlin Township	Camden	2.6%	51.8%	0.1%	34.7%	9.7%	1.2%
Wrightstown	Burlington	3.2%	40.9%	0.0%	40.7%	1.2%	14.0%
"Outside" Munis	1 ,			-	-	-	1
Corbin City	Atlantic	6.5%	83.3%	1.0%	9.1%	0.0%	0.0%
Berlin Borough	Camden	3.6%	78.4%	0.1%	15.1%	1.9%	0.9%
Springfield	Burlington	2.0%	75.6%	11.5%	10.9%	0.0%	0.0%
North Hanover	Burlington	2.1%	74.2%	7.9%	12.4%	0.0%	3.4%
Vineland	Cumberland	1.8%	70.7%	1.8%	19.3%	3.5%	2.9%



Local Municipal Purpose Revenues

NJ Dept of Community Affairs, Div LGS 1998 - 2005 Individual SJ County Tax Divisions 1995 - 1997



In 2005, municipal budgets increased at a 5% rate in both the Pinelands and the Non-Pinelands region. However, state aid increased for Pinelands municipalities while decreasing slightly for the Non-Pinelands for the year.

	Local Municipal Budget*	Budget Per Capita	Population Estimate	State Aid	State Aid Per Capita
Pinelands 1995	\$400,794,817	\$684	586,264	NA	NA
Pinelands 2005	\$487,744,174	\$727	670,666	\$105,505,075	\$157
Change	21.7%	6.4%	11.3%	NA	NA
Non-Pinelands 1995	\$1,606,607,972	\$1,016	1,580,870	NA	NA
Non-Pinelands 2005	\$1,898,542,432	\$1,113	1,706,338	\$300,629,184	\$176
Change	18.2%	9.5%	7.9%	NA	NA

^{* =} Local Municipal Purposes + Total of Miscellaneous Revenues. Does not include school budget.

<u>Description</u>: Per capita revenues provide insight into the level or amount of service a municipality can provide. Money budgeted for local municipal purposes is used for maintaining all services within a municipality other than schools or infrastructure maintained by the county or state (such as roads). Local municipal purpose monies are raised largely through property taxes. Miscellaneous revenues have been added to local purpose monies and include: surplus revenues apportioned, receipts from delinquent taxes and liens, and other miscellaneous revenues anticipated such as user or license fees. Per capita rates were calculated by using: intercensal estimates from 1995 to 1999, the 2000 Census, and municipal estimates for 2001 to 2005. The population estimate for 2004 was used to calculate per capita figures for 2005, as 2005 municipal estimates were not available when this report was prepared. Per capita figures for 2005 may be slightly inflated as a result of using the 2004 population estimate.

This variable has been upgraded to a core variable for this year's report and will be tracked annually in subsequent reports.

<u>Unit of Analysis</u>: Municipal level data are aggregated to allow for inside/outside Pinelands analysis. Aggregates are sums, not averages.

Summary of Previous Findings

As a whole, the local municipal budget of Pinelands municipalities increased faster than the Non-Pinelands from 1995 to 2004. The Pinelands municipal budget increased by 16% during this period, compared to 12% for the Non-Pinelands. Within the local budget, monies raised through local municipal purposes increased substantially (by 49% in the Pinelands and 19% in the Non-Pinelands). Monies raised through miscellaneous revenues decreased slightly in the Pinelands (-2%) while the Non-Pinelands enjoyed an increase of 7% during the same time frame.

While municipal revenues increased both inside and outside the Pinelands from 1995 to 2005, the amount of revenue collected per person has remained relatively the same. As a whole, the Pinelands municipalities collected \$688 in municipal revenues per capita in 1995 and \$727 per capita in 2004, an increase of just 0.5%. The Non-Pinelands municipalities collected \$1,006 per capita in 1995 versus \$1,113 in 2004, an increase of 5.3%. The increase in revenues corresponds with population increases. As the population increases, the ability to raise additional revenues increases. Per capita revenues have remained rather constant, as additional citizens require additional services, which require additional expenditures. It is interesting to note that the increase in per capita revenues has not been consistent over time. Per capita revenues declined in both the Pinelands and Non-Pinelands since 1995. Per Capita revenues did not surpass 1995 levels until 2002 in the Non-Pinelands and 2003 in the Pinelands (Table F5a).

From 1995-2004, the Pinelands municipalities collected approximately \$360 less per person annually compared to the Non-Pinelands. This difference is due to the fact that the Pinelands has lower tax rates than the Non-Pinelands (see sections F1 through F3) and because Pinelands municipalities tend to offer less in terms of municipal services. For example, the percentage of Pinelands municipalities that have no local police force is about twice that of Non-Pinelands municipalities (30% in the Pines vs. 15% in the Non-Pines).

Municipalities also rely on the state for aid to supplement local revenues. The earliest year available for state aid figures (in digital format) was 1999. From 1999-2004, state aid decreased by 7% to Pinelands municipalities and by 5% to Non-Pinelands municipalities. Per capita rates decreased by 15% in the Pines and 9% in the Non-Pines. While there is quite a gulf between Pinelands and Non-Pinelands municipalities in terms of municipal revenues per capita, the difference between the regions is much smaller in relation to the amount of state aid per capita. The Non-Pinelands region received 14% in aid per capita than did the Pinelands area in 2004.

There is a large degree of variation among the Pinelands municipalities in terms of local municipal revenues and state aid. Municipal revenues have ranged from a high of approximately \$2,800 to a low of \$220 in the Pinelands. Similarly, state aid figures in the Pinelands have ranged from a high of approximately \$700 to a low of \$80 annually during the period from 1995 to 2004.

When per capita revenues and per capita state aid are viewed as averages (average per capita figures for all municipalities within a region, as opposed to a per capita figure for the entire region), different patterns emerge. When compared as regions (using aggregates illustrated in Table F5a), the Pinelands have had lower per capita revenue and received slightly less state aid per capita than the Non-Pinelands. When municipal averages for each of the aggregates are compared, the Pinelands has had substantially lower per capita revenue and received more state aid per capita compared to the Non-Pinelands over the period 1995-2004.

Update

The total municipal budget for both the Pinelands municipalities and the Non-Pinelands municipalities rose 5.0% in 2005. However, it is likely that the actual per capita numbers tell a somewhat different story. At the time this report was prepared, population estimates had not yet been released for 2005. We do know that between 1999 and 2004 that population increased at an annual average rate of 1.7% in the Pinelands as opposed to an annual average increase of 0.7% in the Non-Pinelands. If we assume the same rates of growth in population for 2004, per capita municipal budgets in the Pinelands increased 0.7% in 2005 while rising by 5.3% in the Non-Pinelands for the year.

Total municipal state aid rose slightly (+1.1)% in the Pinelands while falling by 0.9% in the Non-Pinelands in 2005. Once again making the assumption that population rate increases remained the same in the two regions for 2004, per capita state aid increased by 0.6% in the Pinelands and fell 1.1% in the Non-Pinelands. For the period 1999-2005, the Pinelands municipalities have had both a smaller percentage increase in their per capita municipal budget and a larger percentage decrease in per capita state aid than the Non-Pinelands municipalities (Table F5a).

Among Pinelands municipalities, Woodland increased their municipal budget by 71% in 2005 (from \$1.1 million in 2004 to \$1.9 million in 2005) while Ocean Township, Lakehurst, and Port Republic all had increases between 35 and 40 percent. Wrightstown (-49%), Washington Township(-17%) and Bass River (-12%) were the only Pinelands municipalities to have large decreases in their municipal budgets for 2005. In contrast to 2004, when only five municipalities in the Pinelands had more state aid than in the previous year, in 2005 28 of the 47 Pinelands municipalities saw increases in state aid. The three big gainers were Woodland Township (+202%), Bass River (+41%), and Washington Township (+13%). Of the Pinelands municipalities that received less aid in 2005 than in 2004, the largest decrease in aid was just 3.3%.

Table F5a Local Municipal Purpose Revenues and State Aid for Pinelands and Non-Pinelands Regions (In 2005 \$s)

Region	Year	Local Municipal Purposes	Misc Revenues	Total Municipal Budget	Budget Per Capita	Population Estimate	State Aid	Aid Per Capita
Pines	1995	\$136,378,061	\$265,722,796	\$402,100,857	\$688	584,232		
Pines	1996	\$140,656,854	\$263,505,046	\$404,161,901	\$683	591,420		
Pines	1997	\$145,106,666	\$263,318,495	\$408,425,160	\$684	597,454		
Pines	1998	\$150,157,027	\$262,600,793	\$412,757,821	\$682	604,928		
Pines	1999	\$157,053,046	\$256,832,586	\$413,885,632	\$678	610,785	\$112,327,789	\$184
Pines	2000	\$160,086,179	\$255,105,219	\$415,191,397	\$674	615,984	\$109,380,021	\$178
Pines	2001	\$172,092,754	\$260,705,148	\$432,797,901	\$686	630,550	\$112,323,990	\$178
Pines	2002	\$179,461,303	\$264,073,591	\$443,534,894	\$689	643,787	\$105,829,056	\$164
Pines	2003	\$191,137,936	\$260,088,344	\$451,226,279	\$686	657,971	\$109,447,444	\$166
Pines	2004	\$203,789,794	\$260,740,299	\$464,530,093	\$693	670,666	\$104,339,414	\$156
Pines	2005	\$215,647,340	\$272,096,836	\$487,744,174	\$727	670,666	\$105,505,075	\$157
NonPines	1995	\$734,355,565	\$877,487,737	\$1,611,843,301	\$1,006	1,601,776		
NonPines	1996	\$734,799,018	\$867,296,986	\$1,602,096,004	\$993	1,612,610		
NonPines	1997	\$736,507,367	\$870,459,244	\$1,606,966,611	\$990	1,622,388		
NonPines	1998	\$748,182,775	\$890,973,569	\$1,639,156,344	\$1,005	1,630,733		
NonPines	1999	\$763,720,752	\$871,908,830	\$1,635,629,581	\$998	1,639,053	\$320,428,344	\$195
NonPines	2000	\$762,978,099	\$879,424,927	\$1,642,403,026	\$997	1,647,532	\$313,699,439	\$190
NonPines	2001	\$759,171,249	\$878,504,171	\$1,637,675,420	\$986	1,660,123	\$316,615,846	\$191
NonPines	2002	\$801,789,822	\$895,996,668	\$1,697,786,490	\$1,012	1,678,078	\$317,243,088	\$189
NonPines	2003	\$834,901,126	\$890,277,525	\$1,725,178,651	\$1,019	1,692,777	\$306,810,624	\$181
NonPines	2004	\$871,102,517	\$936,323,117	\$1,807,425,633	\$1,059	1,706,338	\$303,438,883	\$178
NonPines	2005	\$924,044,671	\$974,497,760	\$1,898,542,432	\$1,113	1,706,338	\$300,629,184	\$176

Table F5b Local Municipal Purpose Revenues and State Aid for Pinelands Municipalities in 2005

		Population			Budget Per	Aid Per
County	Municipality	Est 2004	Municipal Budget*	State Aid	Capita	Capita
Burlington	Washington	640	\$1,483,692	\$154,228	\$2,318	\$241
Burlington	Woodland	1,364	\$1,925,970	\$694,822	\$1,412	\$509
Burlington	Wrightstown	749	\$1,023,810	\$533,085	\$1,367	\$712
Ocean	Lakehurst	2,690	\$3,456,563	\$446,571	\$1,285	\$166
Atlantic	Port Republic	1,140	\$1,428,588	\$222,553	\$1,253	\$195
Ocean	Ocean	7,492	\$9,274,156	\$872,109	\$1,238	\$116
Camden	Berlin Township	5,372	\$6,485,404	\$1,628,358	\$1,207	\$303
Ocean	Stafford	24,944	\$29,659,272	\$3,527,177	\$1,189	\$141
Atlantic	Egg Harbor City	4,500	\$5,312,253	\$666,971	\$1,181	\$148
Cape May	Woodbine	2,616	\$3,031,013	\$466,174	\$1,159	\$178
Camden	Chesilhurst	1,811	\$1,988,151	\$889,403	\$1,098	\$491
Ocean	Eagleswood	1,534	\$1,581,802	\$270,194	\$1,031	\$176
Burlington	Medford Lakes	4,202	\$3,897,094	\$454,594	\$927	\$108
Gloucester	Monroe	30,960	\$28,072,795	\$5,660,939	\$907	\$183
Cape May	Upper	11,985	\$10,859,084	\$6,723,735	\$906	\$561
Ocean	Lacey	26,221	\$22,516,606	\$12,239,405	\$859	\$467
Ocean	Little Egg Harbor	19,334	\$16,244,977	\$1,818,289	\$840	\$94
Atlantic	Hammonton	13,280	\$11,013,386	\$1,740,092	\$829	\$131
Burlington	Bass River	1,564	\$1,250,000	\$317,021	\$799	\$203
Atlantic	Estell Manor	1,707	\$1,362,740	\$259,363	\$798	\$152
Camden	Waterford	10,679	\$8,356,853	\$1,576,790	\$783	\$148
Atlantic	Hamilton	23,699	\$18,163,000	\$3,820,391	\$766	\$161
Ocean	Berkeley	42,527	\$32,155,350	\$5,809,208	\$756	\$137
Atlantic	Mullica	6,070	\$4,571,092	\$723,528	\$753	\$119
Burlington	Medford	23,568	\$17,573,107	\$2,819,464	\$746	\$120
Atlantic	Buena	3,862	\$2,875,104	\$648,738	\$744	\$168
Ocean	Barnegat	19,177	\$14,146,533	\$1,469,632	\$738	\$77
Atlantic	Egg Harbor Township	36,877	\$27,073,258	\$7,210,298	\$734	\$196
Ocean	South Toms River	3,699	\$2,694,547	\$485,885	\$728	\$131
Burlington	Pemberton Township	28,967	\$20,850,055	\$3,850,959	\$720	\$133
Cape May	Dennis	6,225	\$4,338,702	\$1,769,296	\$697	\$284
Camden	Winslow	36,061	\$24,751,800	\$8,061,832	\$686	\$224
Atlantic	Folsom	1,979	\$1,319,298	\$272,228	\$667	\$138
Ocean	Beachwood	10,740	\$6,868,178	\$976,091	\$639	\$91
Ocean	Jackson	51,607	\$32,455,615	\$4,664,905	\$629	\$90
Ocean	Manchester	42,112	\$25,297,487	\$4,274,921	\$601	\$102
Burlington	Evesham	46,858	\$27,759,998	\$4,476,333	\$592	\$96
Gloucester	Franklin	16,378	\$9,603,888	\$2,007,769	\$586	\$123
Atlantic	Galloway	35,058	\$19,698,842	\$3,728,235	\$562	\$106
Atlantic	Buena Vista	7,563	\$4,091,009	\$976,132	\$541	\$129
Cumberland	Maurice River	7,542	\$3,588,971	\$945,171	\$476	\$125
Burlington	Southampton	10,952	\$5,183,384	\$1,658,331	\$473	\$151
Atlantic	Weymouth	2,325	\$1,045,763	\$375,588	\$450	\$162
Ocean	Plumsted	8,045	\$3,437,619	\$716,878	\$427	\$89
Burlington	Tabernacle	7,349	\$3,101,594	\$802,457	\$422	\$109
Burlington	Shamong	6,827	\$2,707,775	\$710,297	\$397	\$104
Burlington	New Hanover	9,815	\$2,167,996	\$1,088,635	\$221	\$111
"Outside" Mu	nicipalities					
Atlantic	Corbin City	525	\$535,667	\$78,013	\$1,020	\$149
Burlington	Springfield	3,543	\$3,269,525	\$609,210	\$923	\$172
Cumberland	Vineland	58,009	\$50,072,121	\$8,251,391	\$863	\$142
Camden	Berlin Borough	7,595	\$5,670,570	\$1,052,568	\$747	\$139
Burlington	North Hanover	7,582	\$3,012,009	\$1,155,915	\$397	\$152
	North Hanover				\$39 <i>1</i>	\$152

^{*} Municipal budget = Local Municipal Purpose Revenues + Miscellaneous Revenue

Appendix A. Selected References

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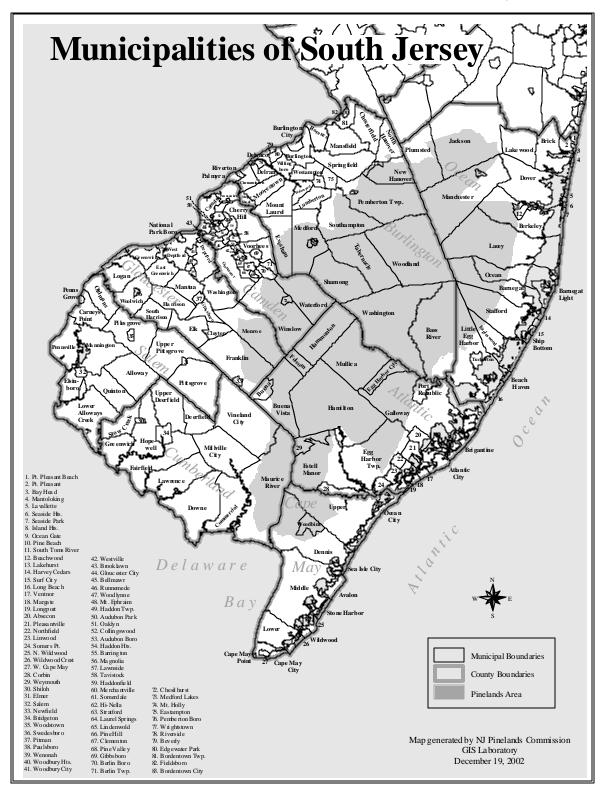
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Appendix B. Pinelands and Non-Pinelands Acreage by County

County	Total Acreage	Acreage Inside the Pinelands	Acreage Outside the Pinelands	Proportion in the Pinelands	County Pinelands Acreage as a % of Total Pinelands Acreage	County Acreage as a Share of Total South Jersey Acreage
Atlantic	391,134	247,877	143,257	63.4%	26.4%	17.3%
Burlington	524,166	334,187	189,979	63.8%	35.6%	23.1%
Camden	145,593	54,915	90,678	37.7%	5.9%	6.4%
Cape May	182,633	34,807	147,826	19.1%	3.7%	8.1%
Cumberland	321,645	45,356	276,289	14.1%	4.8%	14.2%
Gloucester	215,616	33,580	182,036	15.6%	3.6%	9.5%
Ocean	485,569	187,490	298,079	38.6%	20.0%	21.4%
Total	2,266,357	938,212	1,328,145	41.4%	100.0%	100.0%

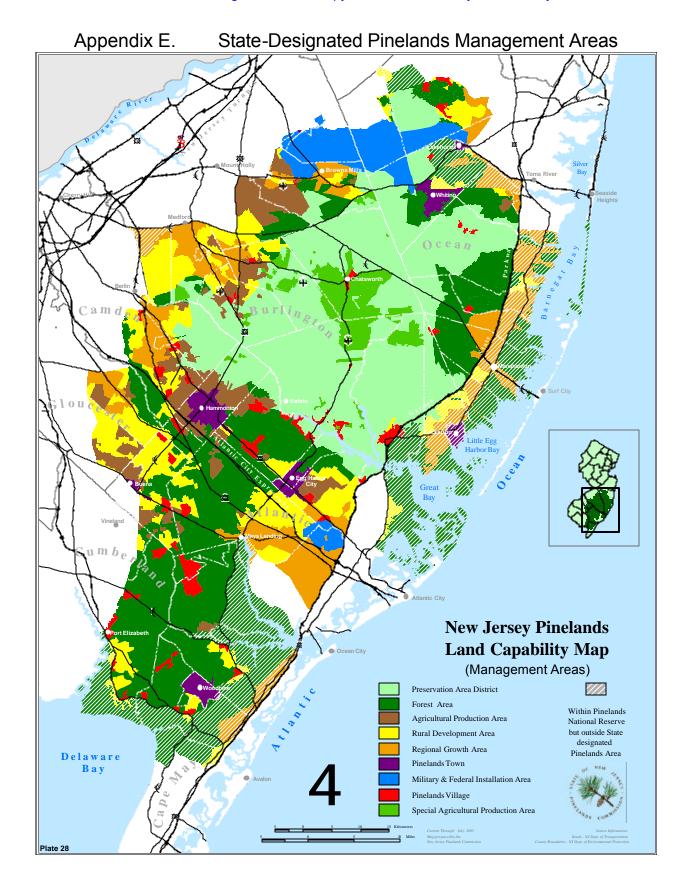
Source: NJ DEP Land Use / Land Cover data 1995/97

Appendix C. Municipalities of South Jersey



Appendix D Pinelands Management Areas

Management Areas	Description	Permitted Uses			
Management Areas	Description	Residential	Non-residential		
Preservation Area District	Core of the Pinelands environment and the most critical ecological region; a large, contiguous wilderness area of forest which supports diverse plant and animal communities, many of which are threatened and endangered species.	None except 1 acre lots in designated infill areas	Limited commercial uses in designated infill areas		
Special Agricultural Production Area	Discrete areas within the Preservation Area primarily used for berry agriculture and horticulture of native Pinelands plants.	Farm-related housing on 40 acres	Expansion of existing uses only		
Forest Area	Similar to the Preservation Area District in terms of ecological value; a largely undeveloped area which is an essential element of the Pinelands environment, contains high quality water resources and wetlands and provides suitable habitat for many threatened and endangered species.	5 acre minimum. Historical development average has been 1 unit per 28 acres	Roadside retail within 300 feet of pre-existing use		
Agricultural Production Area	Areas of active agricultural use, generally upland field agriculture and row crops, together with adjacent areas with soils suitable for expansion of agricultural operations.	Farm-related housing on 10 acres, non-farm housing on 40 acres	Agricultural commercial; roadside retail within 300 feet of pre-existing use		
Rural Development Area	Areas which are slightly modified and suitable for limited future development; represents a balance of environmental and development values that is intermediate between Forest Areas and existing growth areas.	Historical development average has been 1 unit per 5 acres	Small scale community commercial and light industrial uses on septic systems		
Pinelands Village	Small, existing, spatially discrete settlements which are appropriate for infill residential, commercial, and industrial development compatible with their existing character.	1 to 5 acre lots if not sewered	Commercial and industrial uses compatible with existing character		
Pinelands Town	Large, existing spatially discrete settlements.	2 to 4 homes per acre with sewers	Commercial and industrial uses		
Regional Growth Area	Areas of existing growth and adjacent lands capable of accommodating regional growth influences while protecting the essential character and environment of the Pinelands	2 to 4 homes per acre with sewers	Commercial and industrial uses		
Military and Federal Installation Area	Federal enclaves within the Pinelands.	Not Applicable	Uses associated with function of the installation or other public purpose uses		



Appendix F

