

# Patterns of Growth in the Midcoast Region

**Friends of Midcoast Maine** 

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#### Credits

This report has been prepared by The Friends of Midcoast Maine, a smart growth educational and advocacy organization.

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#### Introduction

#### INTRODUCTION

Sprawl... a popular word these days, but is it happening in midcoast Maine? Clearly, there is still open space, there are still farms, and there are still large tracts of undeveloped land. Has sprawl really come to the midcoast area? Surely we are not as bad as other portions of New England! Yes, we have a few traffic problems, but nothing like the problems in Massachusetts, Connecticut, or even Southern New Hampshire. So, do we have a problem? What are the "Patterns of Growth" in the midcoast Maine area? Do we have sprawl? This report attempts to answer that question.

#### What is sprawl?

But first, what is sprawl? Sprawl is the shift of population and businesses from the compact downtowns and villages to the countryside. Sprawl is low density development outside compact villages and urban centers. It is the shift of development from service centers to the rural countryside and along highways. Sprawl can be strip developments or single family homes built on former farms and woodlots. Sprawl can be large lot developments, low densities outside town centers, fragmented open space and large paved areas. Sprawl requires a car to get places. Sprawl is not growth...it is the *shift* of growth from an area that already has services to a new area that will demand increased or new services. So, does midcoast Maine have sprawl and how can we tell for sure?

#### How do we know if we have sprawl?

- If there is sprawl, population and housing will be increasing in the outlying areas more than in the villages and towns or service centers.
- If there is sprawl, the commute to work will be greater for those communities because people have to travel further to workplaces.
- If there is sprawl, farmland will be disappearing and turned into developments.
- If there is sprawl, school construction cost will increase in smaller towns, rather than in service centers.
- If there is sprawl, the tax rates will increase in smaller outlying towns to provide the services needed for these people.

So, is there sprawl in the midcoast area? This report demonstrates that, based on these criteria, midcoast Maine is sprawling.

### Findings

#### Findings

#### Maine's Midcoast: A Changing Place

Maine's midcoast area stretches from Brunswick to Bucksport and includes four counties, Sagadahoc, Lincoln, Knox and Waldo. Throughout history, the coastal area of midcoast Maine has served as a destination for Maine visitors, as well as a home to thousands of Mainers who make their livings from the sea, the land, the lakes and streams and in the communities along Route 1. Midcoast Maine has been known for its rolling hills, glimpses of Penobscot Bay, quaint New England villages and downtowns and acres of open land. Not long ago, a child could walk to the library or the store for a quart of milk, or to the post office or even to school. But there are very few places where this can still happen. Progress? Perhaps, but perhaps it is something more that will forever change the face of the midcoast area.



#### **Shifting Patterns of Growth**

#### **Shifting Midcoast Patterns of Growth**

Like many communities nationwide, we are now facing a critical turning point where the face of the country side is changing. Our towns and villages are no longer the places they once were. The outlying farm land is disappearing to make way for stores, malls, developments, or single house lots that, over time, eat up open space. Mainers are spending more time in their cars commuting to workplaces. Towns are feeling increasing pressures to provide services (schools, roads and police/fire) to areas where they never once had to while still maintaining the older villages. Tax rates are increasing in small towns at a greater rate than in the larger towns. School, police and fire costs are increasing. In many places, incomes will be decreasing in service centers and increasing in smaller towns since those moving out are likely to be middle income families, leaving poorer people in the centers. In some coastal Maine towns, incomes will be increasing due to the pressures out-of -state buyers put on land costs forcing lower income people out of coastal communities.

Yes, the midcoast is experiencing sprawl. It may be gradual and unnoticeable over short periods of time. But the cumulative effect of personal and institutional decisions is changing our countryside, wasting land and water resources and above all, costing more money. This report shows the proof of our changing midcoast landscape and suggests that we must do something to change these Sprawling Patterns of Growth.



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### Midcoast Study Area

#### MIDCOAST STUDY AREA

This report looks at US Census, agricultural and economic data for 73 towns within 4 counties. Eleven are service center towns shown in **bold.** 



#### The Midcoast Study Area

The Midcoast area consists of four counties and seventy three towns.

| KNOX COUNTY     | SAGADAHOC COUNTY |  |  |
|-----------------|------------------|--|--|
| Appleton        | Arrowsic         |  |  |
| Camden          | Bath             |  |  |
| Cushing         | Bowdoin          |  |  |
| Friendship      | Bowdoinham       |  |  |
| Норе            | Georgetown       |  |  |
| Isle Au Haut    | Phippsburg       |  |  |
| Matinicus Isle  | Richmond         |  |  |
| North Haven     | Topsham          |  |  |
| Owls Head       | West Bath        |  |  |
| Rockland        | Woolwich         |  |  |
| Rockport *      |                  |  |  |
| St. George      |                  |  |  |
| South Thomaston | WALDO COUNTY     |  |  |
| Thomaston       | Belfast          |  |  |
| Union           | Belmont          |  |  |
| Vinalhaven      | Brooks           |  |  |
| Warren          | Burnham          |  |  |
| Washington      | Frankfort        |  |  |
|                 | Freedom          |  |  |
| LINCOLN COUNTY  | Isleboro         |  |  |
| Alna            | Jackson          |  |  |
| Boothbay        | Knox             |  |  |
| Boothbay Harbor | Liberty          |  |  |
| Bremen          | Lincolnville     |  |  |
| Bristol         | Monroe           |  |  |
| Damariscotta    | Montville        |  |  |
| Dresden         | Morrill          |  |  |
| Edgecomb        | Northport        |  |  |
| Jefferson       | Palermo          |  |  |
| Monhegan        | Prospect         |  |  |
| Newcastle       | Searsmont        |  |  |
| Nobleboro       | Searsport *      |  |  |
| Somerville      | Stockton Springs |  |  |
| South Bristol   | Swanville        |  |  |
| Southport       | Thorndike        |  |  |
| Waldoboro *     | Troy             |  |  |
| Westport        | Unity            |  |  |
| Whitefield      | Waldo            |  |  |
| Wiscasset       | Winterport       |  |  |

**BOLD**: The Maine State Planning Office defines Service Center Towns by the following criteria: level of retail use, jobs to workers ratio, amount of federally assisted housing and the volume of service center jobs.

**BOLD**\* Specialized retail centers do not meet the criteria to be defined as a regional center but have the history, urban character, and proximity to other retail centers.

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Looking at the recent census population data for the four counties in our midcoast study area, we see an average increase of 11.4% for the four counties between 1990 and 2000. The midcoast area has outpaced the state's rate of growth (3.8%) by nearly three times. This increase is interesting when we determine exactly where that population growth occurs. In many midcoast communities we find the trends in population increases shifting from the primary service centers to that of the outlying communities. The following table provides a look at the population change between 1990 and 2000. It also makes us aware of the rate of change a particular community has recently seen.

Looking at the service centers rate of population change in comparison to outlying towns or even the "county average" we see the contrast of where the population is shifting. With few exceptions we find that the majority of primary service centers in the midcoast area are either losing population or experiencing a very low rate of population change compared to there outlying neighbors. This shift in population dispersion is due to many factors, and is cause for concern in terms of the costs associated with "sprawl" in the midcoast.

|                  | Population<br>1990 | 2000   | Rate of<br>Change |
|------------------|--------------------|--------|-------------------|
| Sagadahoc County |                    |        | -                 |
| Arrowsic         | 498                | 477    | -4.2%             |
| Bath             | 9,799              | 9,266  | -5.4%             |
| Bowdoin          | 2,207              | 2,727  | 23.6%             |
| Bowdoinham       | 2,192              | 2,612  | 19.2%             |
| Georgetown       | 914                | 1,020  | 11.6%             |
| Phippsburg       | 1,815              | 2,106  | 16.0%             |
| Richmond         | 3,072              | 3,298  | 7.4%              |
| Topsham          | 8,746              | 9,100  | 4.0%              |
| West Bath        | 1,716              | 1,798  | 4.8%              |
| Woolwich         | 2,570              | 2,810  | 9.3%              |
| County           | 33,031             | 34,737 | 5.2%              |

"Overall, Maine's population growth has been among the slowest in the nation, at only 3.8 percent over the past 10 years. However, behind that number lies a picture of a state in flux, where new people, new communities and new ideas are replacing old patterns and places of living." -DIETER BRADBURY, Portland Press Herald 2001

Source: US Census Data, 1990-2000

It is interesting to look at the rates of growth in the outlying towns as compared to the primary service centers. We clearly see the towns of Bowdoin, Bowdoinham, and Phippsburg doubling the rates of population growth of the service center towns in Sagadahoc County.

| County Subdivision | Population<br>1990 | 2000   | Rate of Change |
|--------------------|--------------------|--------|----------------|
| Lincoln County     |                    |        |                |
|                    | 571                | 675    | 18.2%          |
| Roothbay           | 2 6/8              | 2 960  | 11.8%          |
| Boothbay Harbor    | 2,040              | 2,300  | -0.6%          |
| Bremen             | 674                | 782    | -0.0 <i>%</i>  |
| Bristol            | 2 326              | 2 644  | 13.7%          |
| Damariscotta       | 1 811              | 2,044  | 12.7%          |
| Dresden            | 1,332              | 1 625  | 22.0%          |
| Edgecomb           | 993                | 1,020  | 9.8%           |
| Jefferson          | 2 111              | 2,388  | 13.1%          |
| Monhegan           | 88                 | 75     | -14.8%         |
| Newcastle          | 1.538              | 1.748  | 13.7%          |
| Nobleboro          | 1,455              | 1.626  | 11.8%          |
| Somerville         | 458                | 509    | 11.1%          |
| South Bristol      | 825                | 897    | 8.7%           |
| Southport          | 645                | 684    | 6.0%           |
| Waldoboro          | 4,601              | 4,916  | 6.8%           |
| Westport           | 663                | 745    | 12.4%          |
| Whitefield         | 1,931              | 2,273  | 17.7%          |
| Wiscasset          | 3,339              | 3,603  | 7.9%           |
| *Brunswick         | 20,906             | 21,172 | 1.3%           |
| County             | 30,356             | 33.615 | 10.7%          |

\*Brunswick is located in Cumberland County

Source: US Census Data, 1990-2000

We notice that the three towns in Lincoln County experiencing a rapid growth in population are Whitefield, Dresden, and Alna. These towns have experienced a rate of growth of over 15%.

With the exception of Damariscotta, the primary service centers of Lincoln County are experiencing slower rates of growth than the county average, and subsequently their neighboring towns. This serves as an example of where our increase of population is shifting.

|                    | Population |        | Rate of |
|--------------------|------------|--------|---------|
| County Subdivision | 1990       | 2000   | Change  |
| Knox County        |            |        |         |
| Appleton           | 1,069      | 1,271  | 18.9%   |
| Camden             | 5,060      | 5,254  | 3.8%    |
| Criehaven          | 0          | 0      | 0.0%    |
| Cushing            | 988        | 1,322  | 33.8%   |
| Friendship         | 1,099      | 1,204  | 9.6%    |
| Норе               | 1,017      | 1,310  | 28.8%   |
| Isle au Haut       | 46         | 79     | 71.7%   |
| Matinicus Isle     | 67         | 51     | -23.9%  |
| North Haven        | 332        | 381    | 14.8%   |
| Owls Head          | 1,574      | 1,601  | 1.7%    |
| Rockland           | 7,972      | 7,609  | -4.6%   |
| Rockport           | 2,854      | 3,209  | 12.4%   |
| St. George         | 2,261      | 2,580  | 14.1%   |
| South Thomaston    | 1,227      | 1,416  | 15.4%   |
| Thomaston          | 3,306      | 3,748  | 13.4%   |
| Union              | 1,989      | 2,209  | 11.1%   |
| Vinalhaven         | 1,072      | 1,235  | 15.2%   |
| Warren             | 3,192      | 3,794  | 18.9%   |
| Washington         | 1,185      | 1,345  | 13.5%   |
| County             | 36,310     | 39,618 | 9.1%    |

Source: US Census Data, 1990-2000

In Knox County we see that the rapidly growing communities are those which border the primary service centers. Of note here are the towns of Hope, Appleton, Cushing, and Warren. These towns have doubled the rates of growth as compared to the primary service centers of Knox County.

| County Subdivision | Population 1990 | 2000   | Rate of<br>Change |
|--------------------|-----------------|--------|-------------------|
|                    |                 |        | enange            |
| Waldo County       |                 |        |                   |
| Belfast            | 6,355           | 6,381  | 0.4%              |
| Belmont            | 652             | 821    | 25.9%             |
| Brooks             | 900             | 1,022  | 13.6%             |
| Burnham            | 961             | 1,142  | 18.8%             |
| Frankfort          | 1,020           | 1,041  | 2.1%              |
| Freedom            | 593             | 645    | 8.8%              |
| Islesboro          | 579             | 603    | 4.1%              |
| Jackson            | 415             | 506    | 21.9%             |
| Knox               | 681             | 747    | 9.7%              |
| Liberty            | 790             | 927    | 17.3%             |
| Lincolnville       | 1,809           | 2,042  | 12.9%             |
| Monroe             | 802             | 882    | 10.0%             |
| Montville          | 877             | 1,002  | 14.3%             |
| Morrill            | 644             | 774    | 20.2%             |
| Northport          | 1,201           | 1,331  | 10.8%             |
| Palermo            | 1,021           | 1,220  | 19.5%             |
| Prospect           | 542             | 642    | 18.5%             |
| Searsmont          | 938             | 1,174  | 25.2%             |
| Searsport          | 2,603           | 2,641  | 1.5%              |
| Stockton Springs   | 1,383           | 1,481  | 7.1%              |
| Swanville          | 1,130           | 1,357  | 20.1%             |
| Thorndike          | 702             | 712    | 1.4%              |
| Troy               | 802             | 963    | 20.1%             |
| Unity              | 1,817           | 1,889  | 4.0%              |
| Waldo              | 626             | 733    | 17.1%             |
| Winterport         | 3,175           | 3,602  | 13.4%             |
| County             | 33,018          | 36,280 | 9.8%              |

Source: US Census Data, 1990-2000

In Waldo County we see much of the same occurring. The primary service centers are either losing population or experiencing a very slow rate of growth compared to the outlying towns. It is interesting to compare the primary service centers to their neighboring towns' rates of growth. Outlying towns in Waldo County are indisputably outpacing their service center neighbors.

The following towns have experienced a rate of growth over 15% between 1990 and 2000. This rate of growth exceeds most county averages.

Prospect 18.5% Phippsburg 16% Bowdoinham 19.2% Bowdoin 23.6% Warren 18.9% Vinalhaven 15.2% S. Thomaston 15.4% Cushing 33.8% Bremen 16% Alna 18.2% Dresden 22.0% Whitefield 17.7% 18.9% Appleton Hope 28.8% Belmont 25.9% Burnham 18.8% Jackson 21.9% 17.3% Liberty Morrill 20.2% Searsmont 25.2% Swanville 20.1% Troy 20.1% Waldo 17.1%

"Our population isn't so much on the rise as it is on the spread,"

Evan Richert SPO Director, "The Cost of Sprawl", 1997

Within the towns listed above there are no service centers mentioned. The most rapid population growth occurs in the towns that surround our classified service centers. This is evidence of populations spreading out. This also gives insight in the midcoast's current development pattern.

#### Population Density (Persons Per Square Mile)

Population density is total population divided by land area. The data below is based upon the land area of the specified town and the change in persons per square mile between 1990 to 2000.

The idea of populations spreading out is further evidenced by recent data that shows a declining density (persons per square mile) in the service center (village) areas, and an increasing density in their neighboring towns.

| County Subdivision | Land Area<br>(Square Miles) | Persons/<br>Sq. Mile<br>1990 | Persons/<br>Sq. Mile<br>2000 | Percent<br>Change |
|--------------------|-----------------------------|------------------------------|------------------------------|-------------------|
| Sagadahoc County   |                             |                              |                              |                   |
| Arrowsic           | 7.8                         | 64.0                         | 61.3                         | -4.2%             |
| Bath city          | 9.1                         | 1072.1                       | 1013.8                       | -5.4%             |
| Bowdoin town       | 43.5                        | 50.7                         | 62.6                         | 23.5%             |
| Bowdoinham town    | 34.4                        | 63.7                         | 75.9                         | 19.2%             |
| Georgetown town    | 18.7                        | 48.8                         | 54.5                         | 11.6%             |
| Phippsburg town    | 28.9                        | 62.9                         | 73.0                         | 16.0%             |
| Richmond           | 31.5                        | 97.6                         | 104.8                        | 7.6%              |
| Topsham town       | 32.0                        | 273.1                        | 284.2                        | 4.0%              |
| West Bath town     | 11.8                        | 145.2                        | 152.1                        | 4.8%              |
| Woolwich town      | 35.0                        | 73.3                         | 80.2                         | 9.3%              |
|                    | 245.0                       |                              |                              | 8.6%              |

Source: US Census Data, 1990-2000

There is a dramatic shift in the Bath vicinity where the percent change in density in this 10 year period was a negative 5%. This negative number signifies the out migration from this service center (village), to the outlying towns, which still rely on this service center for basic needs. In this case the immediate towns near Bath, which had major changes in persons per square mile include Bowdoin, Bowdoinham and Phippsburg.

| County Subdivision  | Land Area<br>(Square Miles) | Persons/<br>Sq. Mile<br>1990 | Persons/<br>Sq. Mile<br>2000 | Percent<br>Change |
|---------------------|-----------------------------|------------------------------|------------------------------|-------------------|
| Brunswick town      | 46.8                        | 446.9                        | 452.6                        | 1.3%              |
| Lincoln County      |                             |                              |                              |                   |
| Alna town           | 20.9                        | 27.3                         | 32.3                         | 18.2%             |
| Boothbay town       | 22.1                        | 119.9                        | 134.0                        | 11.8%             |
| Boothbay Harbor     | 5.8                         | 406.8                        | 404.5                        | -0.6%             |
| Bremen town         | 18.1                        | 37.3                         | 43.3                         | 16.0%             |
| Bristol town        | 33.9                        | 68.7                         | 78.1                         | 13.7%             |
| Damariscotta town   | 12.4                        | 145.9                        | 164.5                        | 12.7%             |
| Dresden town        | 30.1                        | 44.2                         | 54.0                         | 22.0%             |
| Edgecomb town       | 18.1                        | 55.0                         | 60.3                         | 9.8%              |
| Jefferson town      | 52.7                        | 40.1                         | 45.3                         | 13.1%             |
| Monhegan plantation | 0.9                         | 102.3                        | 87.2                         | -14.8%            |
| Newcastle town      | 29.0                        | 53.1                         | 60.3                         | 13.7%             |
| Nobleboro town      | 19.0                        | 76.4                         | 85.4                         | 11.8%             |
| Somerville town     | 21.9                        | 21.0                         | 23.3                         | 11.1%             |
| South Bristol town  | 13.2                        | 62.5                         | 68.0                         | 8.7%              |
| Southport town      | 5.4                         | 119.7                        | 126.9                        | 6.1%              |
| Waldoboro town      | 71.3                        | 64.5                         | 69.0                         | 6.8%              |
| Westport town       | 8.7                         | 75.9                         | 85.3                         | 12.4%             |
| Whitefield town     | 46.8                        | 41.2                         | 48.5                         | 17.7%             |
| Wiscasset town      | 24.6                        | 135.8                        | 146.6                        | 7.9%              |
|                     | 454.7                       |                              |                              | 10.0%             |

Source: US Census Data, 1990-2000

Lincoln County service centers have all seen a slight increase in person per square mile. Highlighted above are the towns that serve as service centers in this region. In each case except for Boothbay Harbor, each service center has maintained steady growth. There has been no significant out migration from service centers, but it should be noted that the service centers are increasing density at an average rate of 7% while the outlying more rural communities are increasing density at an average 11%.

| County Subdivision | Land Area<br>(Square Miles) | Persons/<br>Sq. Mile<br>1990 | Persons/<br>Sq. Mile<br>2000 | Percent<br>Change |
|--------------------|-----------------------------|------------------------------|------------------------------|-------------------|
| Knox County        |                             |                              |                              |                   |
| Appleton town      | 32.7                        | 32.7                         | 38.9                         | 18.9%             |
| Camden town        | 17.8                        | 284.4                        | 295.3                        | 3.8%              |
| Cushing town       | 19.4                        | 51.0                         | 68.2                         | 33.8%             |
| Friendship town    | 14.0                        | 78.4                         | 85.9                         | 9.6%              |
| Hope town          | 21.9                        | 46.5                         | 59.9                         | 28.8%             |
| Isle au Haut town  | 12.7                        | 3.6                          | 6.2                          | 71.6%             |
| North Haven town   | 11.6                        | 28.5                         | 32.7                         | 14.8%             |
| Owls Head town     | 8.9                         | 177.3                        | 180.3                        | 1.7%              |
| Rockland city      | 12.9                        | 617.5                        | 589.4                        | -4.6%             |
| Rockport town      | 22.2                        | 128.6                        | 144.5                        | 12.4%             |
| St. George town    | 25.1                        | 90.1                         | 102.8                        | 14.1%             |
| South Thomaston    | 11.4                        | 107.5                        | 124.1                        | 15.4%             |
| Thomaston town     | 10.9                        | 302.5                        | 342.9                        | 13.4%             |
| Union town         | 32.1                        | 62.0                         | 68.8                         | 11.1%             |
| Vinalhaven town    | 25.3                        | 42.4                         | 48.8                         | 15.2%             |
| Warren town        | 46.3                        | 69.0                         | 82.0                         | 18.9%             |
| Washington town    | 38.0                        | 31.2                         | 35.4                         | 13.5%             |
|                    | 363.2                       |                              |                              | 17.2%             |

Source: US Census Data, 1990-2000

The effects of sprawl are evident in Knox County as well. Here we see the obvious shift from the city of Rockland to its outlying neighbors of Cushing and St. George. We also see Camden, although growing at a steady rate, is being outpaced by Rockport. In Knox County the average increase in density of the service centers is 4% compared to that of 20% in the outlying towns. This trend paints a very "suburbia" picture surrounding these New England Villages, which is now rural countryside.

| Waldo<br>County   | Land Area<br>(Square Miles) | Persons/<br>Sq. Mile<br>1990 | Persons/<br>Sq. Mile<br>2000 | Percent<br>Change |
|-------------------|-----------------------------|------------------------------|------------------------------|-------------------|
| Belfast city      | 34.0                        | 186.7                        | 187.5                        | 0.4%              |
| Belmont town      | 13.6                        | 47.9                         | 60.3                         | 25.9%             |
| Brooks town       | 24.4                        | 36.8                         | 41.8                         | 13.6%             |
| Burnham town      | 38.9                        | 24.7                         | 29.3                         | 18.8%             |
| Frankfort town    | 24.6                        | 41.4                         | 42.3                         | 2.1%              |
| Freedom town      | 21.5                        | 27.6                         | 30.0                         | 8.8%              |
| Islesboro town    | 14.3                        | 40.6                         | 42.3                         | 4.1%              |
| Jackson town      | 25.2                        | 16.5                         | 20.1                         | 21.9%             |
| Knox town         | 29.1                        | 23.4                         | 25.6                         | 9.7%              |
| Liberty town      | 25.9                        | 30.5                         | 35.8                         | 17.3%             |
| Lincolnville town | 37.4                        | 48.4                         | 54.7                         | 12.9%             |
| Monroe town       | 38.8                        | 20.7                         | 22.7                         | 10.0%             |
| Montville town    | 42.6                        | 20.6                         | 23.5                         | 14.2%             |
| Morrill town      | 16.6                        | 38.9                         | 46.7                         | 20.2%             |
| Northport town    | 23.7                        | 50.8                         | 56.3                         | 10.8%             |
| Palermo town      | 40.5                        | 25.2                         | 30.1                         | 19.5%             |
| Prospect town     | 18.1                        | 29.9                         | 35.5                         | 18.5%             |
| Searsmont town    | 37.8                        | 24.8                         | 31.1                         | 25.2%             |
| Searsport town    | 28.6                        | 91.0                         | 92.4                         | 1.5%              |
| Stockton Springs  | 19.6                        | 70.6                         | 75.6                         | 7.1%              |
| Swanville town    | 19.8                        | 57.2                         | 68.7                         | 20.1%             |
| Thorndike town    | 25.3                        | 27.8                         | 28.2                         | 1.4%              |
| Troy town         | 34.8                        | 23.0                         | 27.6                         | 20.1%             |
| Unity town        | 39.5                        | 46.0                         | 47.8                         | 4.0%              |
| Waldo town        | 19.4                        | 32.3                         | 37.8                         | 17.1%             |
| Winterport town   | 35.6                        | 89.2                         | 101.2                        | 13.5%             |
|                   | 729.6                       |                              |                              | 13.0%             |

Source: US Census Data, 1990-2000

The same is true for Waldo County. The service centers have no significant change in terms of the persons per square mile numbers, while their outlying neighbors are changing rapidly. In fact, Waldo County service centers increased density by 2% while all other towns averaged a 14% increase in density. This is a clear indicator of sprawl in Waldo County.

This evident change in population densities in the midcoast directly correlates to a change in the midcoast landscape, as well as the community atmosphere of our service centers. The increase in persons per square mile in the towns that surround our service centers supports the evidence of populations spreading out. These numbers also represent a shift in land use patterns. As the persons per square mile increase in once rural communities, it becomes exponentially difficult to

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retain their rural character with this increasing density trend.

### Housing

#### HOUSING

A look at the housing data for the four counties shows an interesting pattern of growth. Between 1990-2000, the number of housing units in the midcoast area has increased, ranging from modest 2% to a 36% increase. County by county, the largest increases have been in the smaller, coastal communities, with the exception of the housing growth in Thomaston.

|                  |              | Housing      | Units |          |
|------------------|--------------|--------------|-------|----------|
|                  |              | 1990         | 2000  | % change |
| Sagadahoc County |              | 14633        | 16489 | 13%      |
| 0                | Arrowsic     | 234          | 238   | 2%       |
|                  | Bath         | 4233         | 4383  | 4%       |
|                  | Bowdoin      | 785          | 1035  | 32%      |
|                  | Bowdoinham   | <b>1</b> 884 | 1107  | 25%      |
|                  | Georgetown   | 803          | 931   | 16%      |
|                  | Phippsburg   | 1224         | 1554  | 27%      |
|                  | Richmond     | 1322         | 1475  | 12%      |
|                  | Topsham      | 3237         | 3573  | 10%      |
|                  | West Bath    | 894          | 983   | 10%      |
|                  | Woolwich     | 1017         | 1210  | 19%      |
|                  |              |              |       |          |
| Lincoln County   |              | 17538        | 20846 | 19%      |
|                  | Alna         | 264          | 315   | 19%      |
|                  | Boothbay     | 1714         | 2046  | 19%      |
|                  | Boothbay H   | or1891       | 1993  | 5%       |
|                  | Bremen       | 441          | 598   | 36%      |
|                  | Bristol      | 1800         | 2290  | 27%      |
|                  | Damariscotta | a1010        | 1151  | 14%      |
|                  | Dresden      | 552          | 739   | 34%      |
|                  | Edgcomb      | 518          | 572   | 10%      |
|                  | Jefferson    | 1219         | 1427  | 17%      |
|                  | Monhegan     | 145          | 177   | 22%      |
|                  | Newcastle    | 723          | 880   | 22%      |
|                  | Nobleboro    | 892          | 1092  | 22%      |
|                  | Somerville   | 237          | 286   | 21%      |
|                  | South Bristo | 1790         | 932   | 18%      |
|                  | Southport    | 781          | 912   | 17%      |
|                  | Waldoboro    | 2039         | 2360  | 16%      |
|                  | Westport     | 411          | 510   | 24%      |
|                  | Whitefield   | 737          | 954   | 29%      |
|                  | Wiscasset    | 1374         | 1612  | 17%      |



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# Housing

| Knox County  |              | 18982 | 21566 | 14% |
|--------------|--------------|-------|-------|-----|
|              | Appleton     | 450   | 547   | 22% |
|              | Camden       | 2663  | 2883  | 8%  |
|              | Cushing      | 602   | 778   | 29% |
|              | Friendship   | 818   | 849   | 4%  |
|              | Hope         | 542   | 687   | 27% |
|              | Isle Au Haut | 140   | 164   | 17% |
|              | Matinicus Is | e102  | 135   | 32% |
|              | North Haven  | 436   | 488   | 12% |
|              | Owls Head    | 909   | 992   | 9%  |
|              | Rockland     | 3719  | 3752  | 1%  |
|              | Rockport     | 1409  | 1667  | 18% |
|              | Saint George | 1567  | 1777  | 13% |
|              | So. Thomast  | on697 | 804   | 15% |
|              | Thomaston    | 1183  | 1535  | 30% |
|              | Union        | 878   | 1052  | 20% |
|              | Vinalhaven   | 1029  | 1228  | 19% |
|              | Warren       | 1306  | 1534  | 17% |
|              | Washington   | 532   | 694   | 30% |
|              | 0            |       |       |     |
| Waldo County | -            | 16181 | 18904 | 17% |
|              | Belfast      | 2898  | 3121  | 8%  |
|              | Belmont      | 277   | 393   | 42% |
|              | Brooks       | 432   | 522   | 21% |
|              | Burnham      | 539   | 649   | 20% |
|              | Frankfort    | 376   | 469   | 25% |
|              | Freedom      | 259   | 321   | 24% |
|              | Isleboro     | 632   | 741   | 17% |
|              | Jackson      | 167   | 241   | 44% |
|              | Knox         | 278   | 324   | 17% |
|              | Liberty      | 580   | 674   | 16% |
|              | Lincolnville | 1142  | 1272  | 11% |
|              | Monroe       | 358   | 421   | 18% |
|              | Montville    | 383   | 483   | 26% |
|              | Morrill      | 227   | 331   | 46% |
|              | Northport    | 893   | 943   | 6%  |
|              | Palermo      | 644   | 789   | 23% |
|              | Prospect     | 237   | 286   | 21% |
|              | Searsmont    | 483   | 617   | 28% |
|              | Searsport    | 1237  | 1370  | 11% |
|              | Stockton Sps | 669   | 750   | 12% |
|              | Swanville    | 622   | 730   | 17% |
|              | Thorndike    | 276   | 337   | 22% |
|              | Troy         | 360   | 420   | 17% |
|              | Unity        | 783   | 926   | 18% |
|              | Waldo        | 249   | 313   | 26% |
|              | Winterport   | 1180  | 1461  | 24% |
|              | -            |       |       |     |

Source: US Census Data, 1990-2000

## Housing

The following thirty-three towns have experienced an increase in housing units of 20% or greater from 1990-2000.

| Morrill    | 46% | Frankfort  | 25% |
|------------|-----|------------|-----|
| Jackson    | 44% | Bowdoinham | 25% |
| Belmont    | 42% | Freedom    | 24% |
| Bowdoin    | 32% | Westport   | 24% |
| Bremen     | 36% | Winterport | 24% |
| Dresden    | 34% | Palermo    | 23% |
| Matinicus  | 32% | Thorndike  | 22% |
| Thomaston  | 30% | Appleton   | 22% |
| Washington | 30% | Nobleboro  | 22% |
| Cushing    | 29% | Monhegan   | 22% |
| Searsmont  | 28% | Whitefield | 29% |
| Phippsburg | 27% | Brooks     | 21% |
| Bristol    | 27% | Somerville | 21% |
| Hope       | 27% | Newcastle  | 22% |
| Waldo      | 26% | Prospect   | 21% |
| Montville  | 26% | Burnham    | 20% |
|            |     | Union      | 20% |

None of these towns are service centers, except for Thomaston. The remainder are all smaller towns, outside the service centers. Interestingly, in five to ten years from now, these will very possibly be the towns that experience a need for additional capacity in schools, roads, and public safety to accommodate the demands created by this increased growth. Are these towns prepared for the increased costs? Costs will increase by constructing housing in the outlying areas, and scattering housing throughout these towns, rather than in a growth area of each town. **This is sprawl...** 



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## School Enrollments

#### SCHOOL ENROLLMENT

Another indicator of growth patterns is the school enrollment numbers. When we compare these figures to school construction costs by county and town and the locations of new school construction, it is clear that the new schools are being built to accommodate a shifting, sprawling population and not an increasing population of school children. In fact, school enrollment numbers have *decreased* in all four counties in the midcoast area.

| County    | 1993 | 2002                       | Percent |
|-----------|------|----------------------------|---------|
| Sagadahoc | 6928 | ( <b>October</b> )<br>6720 | -3.00%  |
| Lincoln   | 7065 | 6891                       | -2.46%  |
| Knox      | 4773 | 4481                       | -6.12%  |
| Waldo     | 5525 | 5231                       | -5.32%  |

#### **Public School Enrollment**

Source: Maine Department of Education Public School Resident Enrollments by County

Despite the State's site selection process that encourages renovation or expansion in a central location and the use of existing facilities, a disproportionate amount of money has been spent outside the central core areas. This may be due to lack of land, the expense of new land, and accessibility issues. Between 1975 and 1995, the State Department of Education has spent a 68% of the funding for school construction and renovation in these four counties in non-service area towns and only 32% of the funds in service area towns. Again, this demonstrates a shifting population to non-service areas and the increasing need to build, expand and repair dilapidated or outmoded facilities. This costs those towns and taxpayers more. And even when school facilities are built within service area towns, one can point to several examples of new school construction in a more remote area of that town with little regard for providing pedestrian accessibility that would help tie the school back into the community.

#### **School Construction Costs**

#### **Public School Construction Costs**

| County    | Service Area<br>Towns | Non-Service<br>Area Towns | % Service<br>Area | % Non<br>Service<br>Area<br>Towns |
|-----------|-----------------------|---------------------------|-------------------|-----------------------------------|
| Sagadahoc | \$ 7,961,307          | \$ 9,137,450              | 47%               | 53%                               |
| Lincoln   | \$ 1,179,000          | \$ 8,132,836              | 13%               | 87%                               |
| Knox      | \$ 9,645,000          | \$10,429,845              | 48%               | 52%                               |
| Waldo     | \$11,516,400          | \$23,990,983              | 32%               | 68%                               |
| Total     | \$30,301,707          | \$51,691,114              | 37%               | 63%                               |

Source: Maine State Planning Office Public School Construction and Renovation Funding, 1975-1995

These figures show that although school populations have decreased in all four counties, school construction money must be spent to renovate deteriorating downtown schools and build new schools in the outlying areas where the children and their families have moved. In the four county study area towns, more funds have been spent in non-service center towns, than in service center towns during the 1975-1995 time period. And, we all know that new, improved school facilities may actually encourage the movement of people to the outlying, non-service center towns. This encourages costly sprawl.



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### **Commuting Times**

#### **COMMUTING TIMES**

One clear indicator of a changing pattern of growth is the amount of time people spend in their cars to get to and from work. This change in time is usually caused by 1) people's choices to live further away from their work places; 2) lack of (affordable) homes near where they work; and 3) sprawl, which pushes development away from work centers. This pattern is very clear in our four counties.

#### **Commute to Work Times (round trip)**

| County    | 1990       | 2000       | Change in<br>minutes                    |
|-----------|------------|------------|---|
| Sagadahoc | 39 minutes | 45 minutes | + 6 minutes                             |
| Lincoln   | 43 minutes | 47 minutes | + 4 minutes                             |
| Knox      | 34 minutes | 38 minutes | + 4 minutes                             |
| Waldo     | 47 minutes | 53 minutes | + 6 minutes<br>Source: US Census Bureau |

While four or six minutes may not seem like much, over the course of a year a worker is spending 25 additional hours in his or her car commuting to work, away from his or her family, neighborhood and community.

An increased commuting time means that people are living further from their work places. If housing is built away from the service centers (where the jobs and services are located), commuting times and the time we spend in our cars for every day errands, increase. This time will only increase more as population increases in the outlying areas over the next decade. **This is sprawl....** 

#### LOSS of FARM LAND

Looking at recent agricultural data in Midcoast Maine, we see a decline in total land area and numbers of farms. This recent trend indicates the incremental loss of farmland and farms in this area, which overtime may contribute to eroding the critical mass needed to sustain this livelihood.

Land in Farms

#### **County Agricultural Profiles**

| County    | <b>1992 Acres</b> | 1997 Acres | % Change in<br>Acreage |
|-----------|-------------------|------------|------------------------|
| Sagadahoc | 18,793            | 17,853     | -5%                    |
| Lincoln   | 24,350            | 25,920     | 6%                     |
| Knox      | 27,622            | 25,183     | -9%                    |
| Waldo     | 71,890            | 68,569     | -5%                    |

Source: New England Agricultural Statistics Service

With the exception of Lincoln County, the midcoast has seen a declining trend in acres of land in working farm status.

| Average Size of Farms |            |            |                |
|-----------------------|------------|------------|----------------|
| County                | 1992 Acres | 1997 Acres | Percent Change |
| Sagadahoc             | 157        | 151        | -4%            |
| Lincoln               | 121        | 123        | 2%             |
| Knox                  | 127        | 130        | 2%             |
| Waldo                 | 212        | 218        | 3%             |

Source: New England Agricultural Statistics Service

The numbers above show the average size (acreage) of farms in their respective counties. Although there has been a decline in the total land in farms (stated earlier), we find that the average size of individual farms has increased minimally.

#### **Number of Full Time Farms**

| County    | 1992 | 1997                          | Percent Change                        |
|-----------|------|-------------------------------|---------------------------------------|
| Sagadahoc | 56   | 55                            | -2%                                   |
| Lincoln   | 91   | 103                           | 13%                                   |
| Knox      | 97   | 90                            | -7%                                   |
| Waldo     | 186  | 173<br>Source: New England Ag | -7%<br>gricultural Statistics Service |

The number of full time farms has declined in recent years with the exception of Lincoln County. Viewed in its entirety, we see that the land in farms is declining in the midcoast, individual farms are retaining their acreage, and the number of full time farms is decreasing. The following graphs give a clear insight to the declining trend of agricultural acreage and number of farms in the midcoast area. Land that was once in agricultural production are being converted to new uses or abandoning their agricultural past. As we view more data, we find that the pressures of sprawl are real threats in retaining productive agricultural lands.

The implications of sprawl for working agriculture are several. The most obvious one is that sprawl, over time, erodes critical mass...sprawl represents, if you will, the piecemeal development of the countryside, and a mixed pattern of intensive and extensive land-uses which develops over time...It nickel and dimes places to death...As a farm is sold here, a farm is converted there, it reduces the critical mass necessary to keep a working, viable agricultural economy in that region, in that locale. – Mark Lapping, Provost – USM – Paradox of Sprawl Conference 1997

#### Sagadahoc County



#### **Lincoln County**



#### **Knox County**



#### Waldo County



Source: New England Agricultural Statistics Service

#### Income

The distribution of income is a good indicator of the health of a community. After reviewing the median household income of all four counties in midcoast Maine, each county is in the same dilemma: the service center's household income is less than the regional average. Compared to the county as a whole, the household income of the coastal and outlying towns is much higher than the service center of that county.

#### SAGADAHOC

|                  | 1999       | 1999             |
|------------------|------------|------------------|
|                  | Per Capita | Median Household |
|                  | Income     | Income           |
| Sagadahoc County | \$20,378   | \$41,908         |
| Arrowsic         | \$29,597   | \$53,250         |
| Georgetown       | \$24,709   | \$47,813         |
| Topsham          | \$21,135   | \$47,682         |
| Phippsburg       | \$22,205   | \$46,739         |
| West Bath        | \$23,022   | \$45,326         |
| Bowdoinham       | \$21,118   | \$44,779         |
| Bowdoin          | \$17,260   | \$42,687         |
| Woolwich         | \$21,097   | \$41,741         |
| *Brunswick       | \$20,322   | \$40,402         |
| Richmond         | \$17,896   | \$36,654         |
| Bath             | \$19,112   | \$36,372         |
|                  |            |                  |

2000 U.S. Census Data

| LINCOLN                | 1999Per Capita Income | 1999 Median<br>HouseholdIncome |
|------------------------|-----------------------|--------------------------------|
| Lincoln County         | \$20,760              | \$38,686                       |
| Edgecomb               | \$23,788              | \$43,833                       |
| Newcastle              | \$24,289              | \$43,000                       |
| Alna                   | \$17,340              | \$43,125                       |
| Jefferson              | \$20,298              | \$42,311                       |
| Dresden                | \$18,886              | \$41,719                       |
| Boothbay               | \$22,036              | \$41,406                       |
| Nobleboro              | \$21,373              | \$39,805                       |
| Westport               | \$21,623              | \$39,010                       |
| South Bristol          | \$28,233              | \$38,636                       |
| Whitefield             | \$16,456              | \$38,477                       |
| Bristol                | \$21,821              | \$38,400                       |
| Southport              | \$33,481              | \$38,125                       |
| Wiscasset              | \$18,233              | \$37,378                       |
| Somerville             | \$15,906              | \$37,125                       |
| Damariscotta           | \$23,146              | \$36,187                       |
| Bremen                 | \$29,869              | \$36,167                       |
| <b>Boothbay Harbor</b> | \$21,146              | \$35,000                       |
| Waldoboro              | \$17117               | \$34,830                       |
| Monhegan               | \$20,568              | \$25,250                       |
|                        |                       | 2000 U.S. Census Data          |

| KNOX            | 1999Per Capita Income | 1999Median       |
|-----------------|-----------------------|------------------|
|                 |                       | Household Income |
| Knox County     | \$19,981              | \$36,774         |
| Rockport        | \$25,498              | \$47,155         |
| South Thomaston | \$21,303              | \$43,594         |
| Hope            | \$24,385              | \$42,273         |
| St. George      | \$23,272              | \$41,211         |
| Cushing         | \$20,264              | \$40,598         |
| North Haven     | \$17,112              | \$40,446         |
| Owls Head       | \$22,660              | \$40,107         |
| Camden          | \$26,126              | \$39,877         |
| Friendship      | \$20,409              | \$39,348         |
| Union           | \$16,240              | \$37,679         |
| Appleton        | \$16,484              | \$36,615         |
| Warren          | \$15,655              | \$35,662         |
| Washington      | \$15,488              | \$35,492         |
| Vinalhaven      | \$21,287              | \$34,087         |
| Thomaston       | \$17,199              | \$33,306         |
| Matinicus Isle  | \$15,537              | \$32,500         |
| Rockland        | \$16,659              | \$30,209         |
| Isle au Haut    | \$11,723              | \$25,000         |

2000 U.S. Census Data

| WALDO            | 1999Per Capita Income | 1999 Median<br>Household Income |
|------------------|-----------------------|---------------------------------|
| Waldo County     | \$17,438              | \$33,986                        |
| Lincolnville     | \$21,621              | \$42,273                        |
| Winterport       | \$18,235              | \$40,776                        |
| Islesboro        | \$25,653              | \$39,643                        |
| Northport        | \$21,438              | \$39,435                        |
| Stockton Springs | \$18,370              | \$37,050                        |
| Searsmont        | \$18,119              | \$36,708                        |
| Prospect         | \$20,243              | \$36,607                        |
| Liberty          | \$16,201              | \$34,583                        |
| Morrill          | \$15,596              | \$34,583                        |
| Palermo          | \$17,827              | \$34,375                        |
| Knox             | \$14,468              | \$33,333                        |
| Frankfort        | \$14,524              | \$33,333                        |
| Freedom          | \$15,492              | \$33,125                        |
| Montville        | \$14,112              | \$32,434                        |
| Belfast          | \$19,276              | \$32,400                        |
| Monroe           | \$15,200              | \$32,250                        |
| Swanville        | \$14,483              | \$31,417                        |
| Searsport        | \$18,883              | \$31,288                        |
| Burnham          | \$14,030              | \$31,071                        |
| Brooks           | \$14,446              | \$30,104                        |
| Troy             | \$14,027              | \$30,052                        |
| Waldo            | \$14,030              | \$29,063                        |
| Belmont          | \$14,942              | \$29,013                        |
| Unity            | \$15,086              | \$26,927                        |
| Thorndike        | \$13,090              | \$26,786                        |
| Jackson          | \$15,525              | \$26,705                        |
|                  |                       | 2000 U.S. Census Data           |

Local property taxes are levied on our homes and property, to pay for the costs of local government and the services it provides, such as public education, road maintenance, snow removal and emergency services. These taxes are determined by the assessed value of the property, and are calculated by a multiplier, or mil rate.

In the tables below, the list of towns per county are in the same order as the tables above; the towns with the higher household incomes are at the top of the table. Analysis shows that not only do the service center towns have the lowest median household income, they also have some of the highest tax rates. The trend of middle to upper- income households moving or building new houses in the more affordable and outlying towns contributes to the sprawling pattern of development.

| Sagadahoc County | 1990 mil rate | 2001 mil rate | Percent change |
|------------------|---------------|---------------|----------------|
| Arrowcio         | 0.7           | 10.16         | 1 70/          |
| Allowsic         | 9.7           | 10.10         | 4.770          |
| Georgetown       | 10.6          | 16.50         | 55.7%          |
| Topsham          | 16.0          | 19.54         | 22.1%          |
| Phippsburg       | 9.15          | 15.60         | 70.5%          |
| West Bath        | 14.5          | 15.25         | 5.2%           |
| Bowdoinham       | 22.1          | 18.90         | 14.5%          |
| Bowdoin          | 16.1          | 18.90         | 17.4%          |
| Woolwich         | 13.9          | 13.80         | 0.7%           |
| Richmond         | 14.0          | 15.70         | 12.1%          |
| Bath             | 19.3          | 22.00         | 14.0%          |

Maine Revenue Services data

Bath, the service center for Sagadahoc County, has the highest mil rate for that county. Bath also has the lowest median household income. The mil rate of Bath was already high in 1990, when compared to the surrounding towns (with the exception of Bowdoinham).

It is interesting to see that the highest percent change between 1990 and 2001 are in the outlying rural towns of Sagadahoc County. Although the tax rates are still considerably lower than Bath's, this trend may represent an increase demand on those towns for services from the new residents moving there.

#### Taxes

#### Lincoln County

|                                       | 1990 mil rate       | 2001 mil rate          | Percent change         |
|---------------------------------------|---------------------|------------------------|------------------------|
| Edgecomb                              | 19.55               | 18.10                  | -7.4%                  |
| Newcastle                             | 12.65               | 17.70                  | 39.9%                  |
| Alna                                  | 11.0                | 14.20                  | 29.1%                  |
| Jefferson                             | 5.5                 | 10.30                  | 87.3%                  |
| Dresden                               | 11.25               | 18.90                  | 68%                    |
| Boothbay                              | 12.5                | 11.17                  | -10.6%                 |
| Nobleboro                             | 8.1                 | 13.80                  | 70.4%                  |
| Westport                              | 5.4                 | 10.85                  | 100.9%                 |
| South Bristol                         | 8.6                 | 6.35                   | -26.2%                 |
| Whitefield                            | 12.67               | 16.25                  | 28.3%                  |
| Bristol                               | 10.6                | 9.35                   | -11.8%                 |
| Southport                             | 5.8                 | 7.25                   | 25%                    |
| Wiscasset                             | 30.5                | 17.90                  | 41.3%                  |
| Somerville                            | 12.7                | 16                     | 26%                    |
| Damariscotta                          | 8.0                 | 19.30                  | 141.3%                 |
| Bremen                                | 5.97                | 11.00                  | 84.3%                  |
| Boothbay Hbr                          | 12.5                | 13.85                  | 10.8%                  |
| Waldoboro                             | 11.3                | 16.10                  | 42.5%                  |
| Monhegan                              | 3.1                 | 6.40                   | 4.9%                   |
| Boothbay Hbr<br>Waldoboro<br>Monhegan | 12.5<br>11.3<br>3.1 | 13.85<br>16.10<br>6.40 | 10.8%<br>42.5%<br>4.9% |

Maine Revenue Services data

Damariscotta, Lincoln County's service center, had the highest tax rate in the county in 2001, and also showed the largest percent change between 1990 and 2001.

The two service center towns of Knox County, Thomaston and Rockland, have the highest tax rates in the county.

| Knox County     | 1990 mil rate | 2001 mil rate | •      | Percent change |
|-----------------|---------------|---------------|--------|----------------|
| Rockport        | 10.26         | 15.95         | 55.5%  |                |
| South Thomaston | 9.0           | 16.65         | 85%    |                |
| Норе            | 11.25         | 17.00         | 51.1%  |                |
| St. George      | 8.6           | 11.20         | 30.2%  |                |
| Cushing         | 8.3           | 14.00         | 68.7%  |                |
| North Haven     | 19.5          | 11.80         | 39.5%  |                |
| Owls Head       | 9.25          | 16.00         | 73%    |                |
| Camden          | 11.5          | 17.85         | 55.2%  |                |
| Friendship      | 7.9           | 11.40         | 44.3%  |                |
| Union           | 13.9          | 14.80         | 6.5%   |                |
| Appleton        | 13.0          | 19.25         | 48.1%  |                |
| Warren          | 15.6          | 16.20         | 3.8%   |                |
| Washington      | 10.63         | 14.95         | 40.6%  |                |
| Vinalhaven      | 13.2          | 12.89         | 2.3%   |                |
| Thomaston       | 21.5          | 25.30         | 17.7%  |                |
| Matinicus Isle  | 7.28          | 5.57          | -23.5% |                |
| Rockland        | 21.5          | 23.70         | 10.2%  |                |
| Isle au Haut    | 11.2          | 10.70         | 4.5%   |                |

Maine Revenue Services data

#### Taxes

| Waldo County            | 1990 mil rate | 2001 mil rate               | Percent change |
|-------------------------|---------------|-----------------------------|----------------|
| Lincolnville            | 22.41         | 14.55                       | -35.1%         |
| Winterport              | 15.5          | 16.60                       | 7.1%           |
| Islesboro               | 8.38          | 10.94                       | 30.5%          |
| Northport               | 10.3          | 15.20                       | 47.6%          |
| <b>Stockton Springs</b> | 25.3          | 23.60                       | 6.7%           |
| Searsmont               | 17.5          | 17.40                       | .6%            |
| Prospect                | 10.3          | 16.90                       | 64.1%          |
| Liberty                 | 10.8          | 15                          | 38.9%          |
| Morrill                 | 15.0          | 17                          | 13.3%          |
| Palermo                 | 7.1           | 13.50                       | 90.1%          |
| Knox                    | 12.9          | 16                          | 24%            |
| Frankfort               | 21            | 17.50                       | 16.7%          |
| Freedom                 | 10.9          | 17.80                       | 63.3%          |
| Montville               | 16.2          | 20.30                       | 25.3%          |
| Belfast                 | 17.6          | 21.30                       | 21%            |
| Monroe                  | 12.2          | 20.50                       | 68%            |
| Swanville               | 15.2          | 15.80                       | 3.9%           |
| Searsport               | 22.5          | 25.80                       | 14.7%          |
| Burnham                 | 18            | 18.65                       | 3.6%           |
| Brooks                  | 8.5           | 20.75                       | 144.1%         |
| Troy                    | 11.6          | 15.20                       | 31%            |
| Waldo                   | 17.5          | 11                          | 37.1%          |
| Belmont                 | 13.3          | 21.25                       | 59.8%          |
| Unity                   | 12.5          | 19                          | 52%            |
| Thorndike               | 12.4          | 14.38                       | 16%            |
| Jackson                 | 9.8           | 17.50                       | 78.6%          |
|                         |               | Maine Revenue Services data |                |

Waldo County, along with the other three counties in the midcoast, follows the same pattern: The service center towns, which provide the majority of services for the surrounding area, have the highest tax rates in their respective counties.

### Conclusions

#### CONCLUSIONS

#### **Shifting Midcoast Patterns of Growth**

Like many communities nationwide, we are now facing a critical turning point where the face of the country side is changing. Our towns and villages are no longer the places they once were. The outlying farm land is disappearing to make way for stores, malls, developments, or single house lots that, over time, eat up open space. Mainers are spending more time in their cars commuting to workplaces. Towns are feeling increasing pressures to provide services (schools, roads and police/fire) to areas where they never once had to while still maintaining the older villages. Tax rates are increasing in small towns at a greater rate than in the larger towns. School, police and fire costs are increasing. In many places, incomes will be decreasing in service centers and increasing in smaller towns since those moving out are likely to be middle income families, leaving poorer people in the centers. In some coastal Maine towns, incomes will be increasing due to the pressures out-of -state buyers put on land costs forcing lower income people out of coastal communities.

Yes, the midcoast is experiencing sprawl. It may be gradual and unnoticeable over short periods of time. But the cumulative effect of personal and institutional decisions is changing our countryside, wasting land and water resources and above all, costing more money. This report shows the proof of our changing midcoast landscape and suggests that we must do something to change these Sprawling Patterns of Growth.