

# VERMONT

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*An Economic-Demographic Profile Series*

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## *NORTHEASTERN VERMONT*

**Caledonia County**

**Essex County**

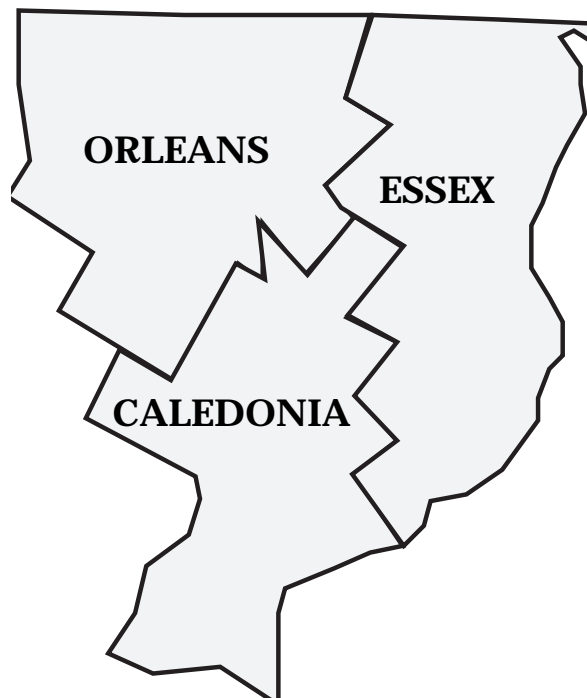
**Orleans County**

**July 2000**

# **VERMONT COUNTY SERIES:**

## **AN ECONOMIC - DEMOGRAPHIC PROFILE OF NORTHEASTERN VERMONT**

**JULY 2000**



*This County Profile was produced by:*

Vermont Department of Employment & Training  
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# **ECONOMIC-DEMOGRAPHIC PROFILE SERIES**

The 2000 edition continues the format of previous years which covered Vermont's 14 counties with 4 regional publications. Although the series is organized by county, town information is still included whenever possible.

While the Department of Employment & Training collected a significant share of the original data contained in this series, the contribution of other state and federal agencies has been important and is appreciated. The state Department of Health, Department of Social Welfare, Court Administrator's Office, Department of Forests, Parks and Recreation, Department of Taxes, Department of Education, and Vermont Student Assistance Corporation contributed valuable information.

It is our objective to produce annual updates to the series to satisfy the demand for local economic-demographic information. The main priority was to provide the latest data in the publication tables. The text was updated to reflect the most significant changes in the local communities. Any comments about the publications or suggested modifications would be appreciated. Comments or requests should be directed to Labor Market Information Section, Vermont Department of Employment & Training, P.O. Box 488, Montpelier, VT 05601-0488, or by e-mail to:

[mgriffin@pop.det.state.vt.us](mailto:mgriffin@pop.det.state.vt.us)

# SUMMARY OF VERMONT CHARACTERISTICS BY RANK IN THE U.S.

<u>Selected Characteristics</u>	<u>Vermont</u>	<u>Rank</u>	<u>U.S.</u>
<b>Population Estimates</b>			
1990 (Thousands)	563	48	248,791
1999 (Thousands)	594	49	272,691
1998 Under Age 18 (Percent)	23.9	45	25.8
1998 Age 65 and Over, (Percent)	12.3	33	12.7
1996 Residing in a metro area, (Percent)	27.7	50	79.9
<b>Vital Statistics and Health</b>			
Births to teenage mothers, percent of total, 1997	8.4	46	12.8
Infant deaths per 1,000 live births, 1996	7.1	28	7.3
Motor-vehicle deaths per 100 mil. vehicle miles, 1997	1.5	33	1.7
Doctors per 100,000 resident population, 1997	288	6	245
<b>Education</b>			
Enrollment rate, public elem/sec schools, 1996 % 1/	96.5	5	91.7
Teachers' average salary, 1998 \$ 2/	36,299	26	39,385
Full-time college enrollment, 1996 % of total	68.9	7	57.4
<b>Law Enforcement</b>			
Violent crime rate per 100,000 people, 1997	120	48	611
Federal and State prisoners per 100,000 people, 1997	216	42	465
<b>Income and Poverty</b>			
Personal income per capita, 1990 (Constant 1992 \$)	19,026	24	20,618
Personal income per capita, 1998 (Constant 1992 \$)	21,451	30	23,436
Median Household Income, 1990 (Constant 1998 \$)	38,783	16	37,343
Median Household Income, 1998 (Constant 1998 \$)	39,372	22	38,885
Percent of Population below Poverty Level, 1990	10.9	35	13.5
Percent of Population below Poverty Level, 1998	9.9	35	12.7
<b>State Governments</b>			
General revenue per capita, 1990 \$	2,546	10	2,080
General revenue per capita, 1997 \$	3,487	12	3,048
<b>Miscellaneous</b>			
Energy consumption per capita, 1996 (Million BTU's)	276	40	349
Home Ownership Rate, 1998 (Percent)	69.1	28	66.3
Retail sales per household, 1997 \$	25,504	31	25,437

1/ Percent of persons 5 to 17 years old.

2/ For school year ending in June the following year.

Source:

State profile from U.S. Bureau of the Census,  
Statistical Abstract of the United States, 1999.

# SUMMARY OF COUNTY CHARACTERISTICS IN NORTHEASTERN VERMONT

<u>CHARACTERISTICS</u>	<u>COUNTY</u>	<u>% OF STATE</u>
<b>CALEDONIA</b>		
Population (1998)	28,812	5%
Employment (1998)	10,789	4%
Per Capita Income (\$) (1998)	20,394	83%
Annual Wage (\$) (1998)	22,039	83%
Area (Square Miles)	619	6%
<b>ESSEX</b>		
Population (1998)	6,188	1%
Employment (1998)	1,704	1%
Per Capita Income (\$) (1998)	15,805	64%
Annual Wage (\$) (1998)	24,905	94%
Area (Square Miles)	671	7%
<b>ORLEANS</b>		
Population (1998)	25,862	4%
Employment (1998)	8,588	3%
Per Capita Income (\$) (1998)	19,010	77%
Annual Wage (\$) (1998)	21,336	80%
Area (Square Miles)	737	8%

# NORTHEASTERN VERMONT

## *CALEDONIA COUNTY* *ESSEX COUNTY* *ORLEANS COUNTY*

### INTRODUCTION

Vermont's "Northeast Kingdom" is made up of the state's three northeastern counties; Caledonia, Essex, and Orleans. The area borders central and northwestern Vermont, Canada on the north, and New Hampshire on the east. The region makes up over 20% of the state's geographical area, much of it remaining rural and undeveloped. Essex County in particular is untouched by the interstate highway system that passes through the other two counties, and the economic development it brings.

The population density of the area is the lowest in the state, and the region continues to rely heavily on agriculture and forest related industries for its economical well-being. Tourism is growing as it is in the rest of the state, with the area's natural beauty and rural character. The most northern peak of the Green Mountain range, Jay Peak lies just inside the Orleans County border. Although the rest of the region does not have the elevations of the Green Mountain range, the glaciers of the past did leave their marks on the rugged terrain of the northeast. Lyndon Outing Club and Burke Mountain ski areas are located in Caledonia County.

Orleans County boasts a large number of lakes, Memphremagog, which straddles the U.S - Canadian border, pristine Willoughby, Caspian Lake which attracts summer residents from around the country, and

many smaller lakes, ponds and streams offering multiple fishing and boating access points. Newport City, scenically located on Lake Memphremagog, is the largest population center in the county, and has easy access to Interstate 91.

Caledonia County is located southeast of Orleans County, and borders a rural and scenic section of the Connecticut River. St. Johnsbury, the largest town in the "Kingdom" is well served by the highway infrastructure, with the interchange of Interstates 91 and 93, as well as U.S. Route 2, one of the few east-west connectors in New England. St. Johnsbury and neighboring Lyndonville combine for the economic, educational and cultural center of the region.

Essex County is the most undeveloped county in the state. The area has few routes of access, and with fewer than 10 residents per square mile, is by far the most sparsely populated. In fact the population of the county peaked in the late 1800's. A large part of Essex County was owned by Champion International Paper Company, but a consortium of government and private conservation groups purchased the land from Champion. The vast 133,000 acres of forest, lakes and rivers has been heavily logged in the past, but access has generally been granted to those who asked permission. The purchase is expected to preserve the environmental quality of a large section of the county.

## I. POPULATION

Northeastern Vermont is the most rural part of the state. With only slightly more than 10 percent of the state's population, the three counties average about 30 people per square mile. During the 1990's the region's population grew by less than 5 percent, which was slightly below the state average. Essex County was one of only two counties in the state to experience a population decline from 1990 to 1998. Caledonia showed modest growth, while Orleans had the fifth highest rate in the state at more than 7 percent (see table 1).

St. Johnsbury is clearly the largest population center in the region with more than 7,700 people. The next largest town is Lyndon, also in Caledonia County, with a population of almost 5,600. Orleans County has two towns of about the same size: Newport City and Derby. Essex is the second smallest county in the state with approximately 6,200 residents. There are

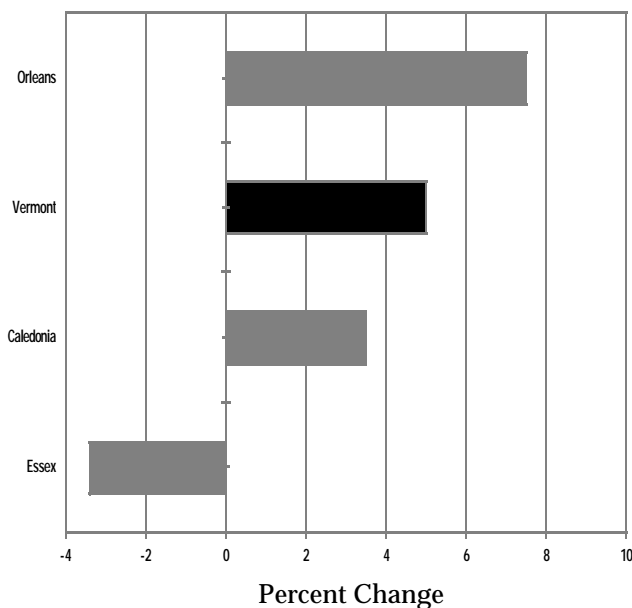
four towns of similar size in the county: Brighton, Lunenburg, Canaan, and Concord (see tables 2 - 4).

The population in the Northeast is concentrated more in older age groups and less in the younger working group (20 - 34 years). Essex County has the highest concentration (16 percent) 65 years and over. The comparable statewide concentration is about 12 percent. In Caledonia and Orleans, approximately 14 percent of the population is 65 and over. Only 15 percent of the population in Essex is in the age cohort 20 - 34 years, compared to 20 percent statewide. Caledonia and Orleans have close to 17 percent in this group. Relatively high unemployment may contribute to out-migration and the lower concentration in younger working ages (see tables 5 - 7).

Racial diversity is minimal in the Northeast. Most of Vermont has few minorities with about 98 percent of the state estimated to be White.

The crime rates in Caledonia and Orleans Counties were higher than statewide, but most of the offenses were misdemeanors. Essex County had the lowest conviction rate in the region at 2.1 per 100 residents; the comparable statewide rate was 3.1 (see table 8). National statistics indicate that Vermont has a relatively low incidence of "violent crime," ranking 48th in a comparison of the states.

**Population Change  
For Vermont Counties  
1990 - 1998**



## II. ECONOMIC TRENDS

Job growth for the Northeast during the 1990's was less than average for the state. The number of jobs in the region increased by almost 9 percent from 1990 to 1998,



compared to more than 11 percent statewide. Orleans County was responsible for the relatively poor performance; Caledonia and Essex Counties generally matched the state rate. Employment centers are located in the towns with significant population, but this doesn't preclude substantial commuting within the region and to other areas, including New Hampshire.

St. Johnsbury, which led the region in population, offered the largest number of jobs. Newport City, however, had a solid grip on second place for employment opportunity. Lyndon, the second largest town in terms of population, had significantly fewer jobs. Newport's ratio of jobs to total population was 74 percent, compared to 48 percent in Lyndon.

The region has a solid manufacturing base, especially in Essex County where over half the jobs in the county are with manufacturing establishments. Logging and forestry provide natural opportunities throughout the region (see table 13). The ample supply of raw material has helped one of the state's largest furniture manufacturers (Ethan Allen) prosper in Essex County. Government functions, including local schools, also contribute significantly to the local economy (see table 10).

There is a higher concentration of retail employment in Caledonia and Orleans Counties than Essex. The higher population base in St. Johnsbury provides a solid foundation for retail development in Caledonia County. Manufacturing accounts for more than 20 percent of the jobs in the county, compared to 17 percent statewide. Major manufacturers include EHV-Weidmann (Paperboard) and NSA

Industries (Industrial Machinery). The Northeastern Vermont Regional Hospital is also located in St. Johnsbury and offers specialized employment opportunities in medicine (see table 9).

The Orleans County economy is concentrated near Newport with employers such as Columbia Forest Products (Plywood) and Bogner of America (Winter Apparel) supplying many of the manufacturing jobs. North Country Hospital also is a major employer in the county, contributing to the higher than average number of health services jobs. The rugged country offers many opportunities for recreational activities, including downhill skiing. Jay Peak is a major resort that attracts skiers from many locations, including the population centers in Canada (see table 11).

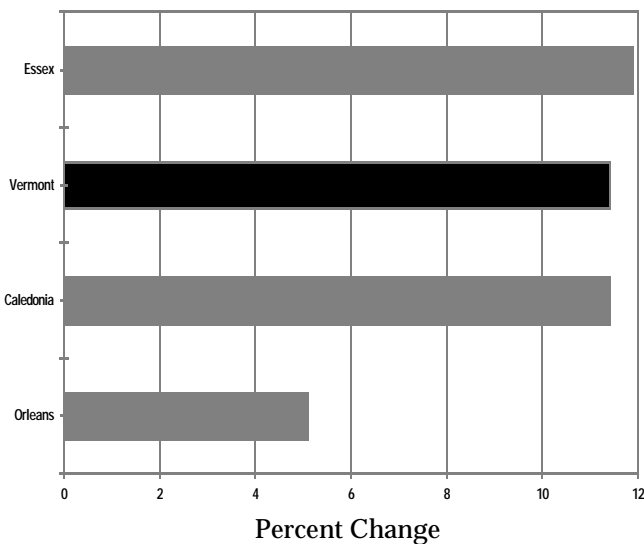
Orleans County had an unemployment rate of more than 7 percent in 1998 and usually has the highest unemployment rate in the state. A high concentration of seasonal jobs contributes to the problem. Vermont Teddy Bear Company has recently moved some of its production activity to the county to take advantage of the available labor supply. Unemployment is usually high in Essex County, which had a rate of 6.0 percent in 1998. Caledonia had the lowest rate in the region, 4.7 percent, but it was still above the statewide rate of 3.4 percent.

Agricultural activities is most important in Orleans County, which ranked third highest of Vermont's 14 counties in the share of agricultural products sold. As in most of Vermont, dairy farms dominate the agricultural scene. Caledonia County ranks fourth statewide in agricultural pursuits, but it accounts for only about half the value of Orleans. Essex County ranks last in its

contribution to agriculture. The terrain is much better suited to forestry than to farming (see table 12).

The contribution to the state's tax revenues is influenced by the population distribution. The relatively small population base in the region and the limited retail activity tend to minimize tax collections. Caledonia County, with the region's largest population, accounts for the largest share of tax revenue, about 3 percent of the state's income tax and sales & use tax (see table 14).

**Covered Employment Change  
For Vermont Counties  
1990 - 1998**



### III. INCOME AND WAGES

Average wages in the Northeast Kingdom were buoyed by the high concentration of manufacturing jobs, especially in Essex County. In 1998, Essex had the sixth highest wages of the fourteen counties, but it still didn't match the statewide average. That's because the Chittenden County economy dominates the state statistics. Due to the large number of relatively high paying jobs

in Chittenden County, it is the only county in Vermont above the statewide average wage of \$26,624 (see table 1).

Caledonia County ranked tenth in wages with an average wage of about \$22,000. Orleans County was twelfth with an average wage of \$21,336. Many factors influence wage levels, including: industrial composition, worker skills and availability, unionization, and others.

Income statistics reflect the impact of interest payments, dividends, rents, and government transfer payments, as well as wages. The latest per capita income shows a more uniform picture for the Northeast. Orleans and Essex hold the lowest two spots, while Caledonia is only slightly higher with a ranking of eleventh. Although Chittenden County leads the state in per capita income, the distribution is not skewed as radically as for wages. Six of the fourteen counties exceeded the statewide PCI of \$24,602, but none in the Northeast.

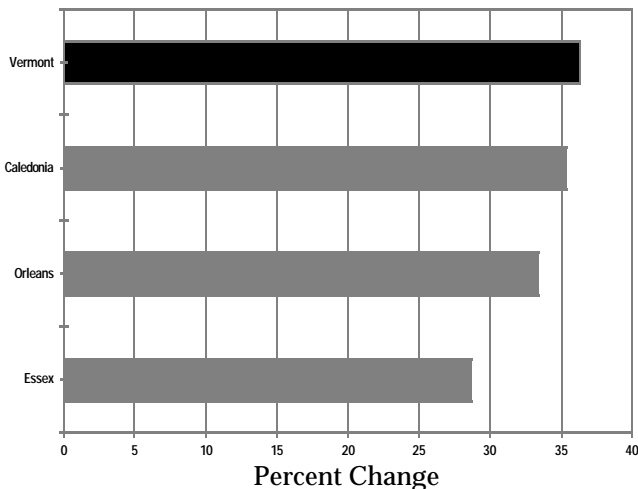
Poverty statistics and ANFC utilization rates also show the region as relatively less prosperous than other parts of the states. However, circumstances vary by town (see tables 2 - 4). Waterford and Peacham (in Caledonia County) had the highest income levels at more than \$29,000, according to state Tax Department data. Hardwick had the lowest median income for towns (with population of at least 100) in Caledonia. Lowell (in Orleans County) had the lowest income for the region (less than \$16,000). Morgan had the highest income level in Orleans (about \$25,000). Median income in Essex County ranged from less than \$18,000 in Brighton to more than \$27,000 in the small town of Lemington.

#### IV. HOUSING

The pattern for housing growth is similar to that for population during the 1990's. Orleans County led the region and ranked second highest in the state with an 11.3 percent growth rate. Caledonia was slightly below the statewide growth rate of 6.9 percent and ranked eighth; Essex County ranked twelfth with a growth rate of only 3.8 percent (see tables 15 - 17).

Essex and Orleans have a relatively high concentration of vacation housing in the county. Over one third of the Essex County units and almost one quarter of the Orleans County housing was built for vacation purposes. About 16 percent of the statewide housing is considered vacation property. Caledonia County, which has the largest population centers in the region, almost matches the statewide rate for vacation units. Towns with above average concentrations of vacation housing and at least 100 units include: Maidstone in Essex County, Westmore in Orleans County, and Newark in Caledonia County.

**Per Capita Income Change  
For Vermont Counties  
1990 - 1998**



Property values and property taxes for the region tend to be below the statewide average, although there is considerable variety among the towns. Caledonia County has the only two towns in the region with an average residential value above \$100,000 - Peacham and Waterford. That contrasts sharply with Sheffield, which has an average of about \$35,000. In Essex County, Brunswick has the lowest value at \$38,000, while Guildhall is at the high end for less than \$79,000. In Orleans County, the range is from about \$40,000 in Brownington to a little more than \$90,000 in Morgan (see table 2 - 4).

The property tax rates are highest on average in Caledonia County and lowest in Essex County, but they vary widely by individual town. Proximity to vacation property tends to lower tax rates, but the advent of Act 60 and the statewide property tax promotes sharing of local resources among the towns.

#### V. EDUCATION

Caledonia County led the region in per pupil expenditures for local education with \$6,230, but that was still below the statewide average of \$6,481. Orleans County was slightly further down the scale with per pupil expenditures of \$5,960. Essex County, however, was last among the 14 counties with expenditures of only \$5,466.

Enrollment levels generally reflect the size of population; thus, Caledonia is highest and Essex lowest for the region. Details for towns and schools are shown in tables 18 - 20. The drop-out rate was highest at Concord high school (in Essex County) despite a relatively low student - teacher

ratio. The highest average SAT scores were reported at Craftsbury School in Orleans County.

Post-Secondary educational opportunities are available at Lyndon State College (part of the state college system) which offers Bachelor Degree programs. The Community College of Vermont holds classes in St. Johnsbury and Newport, offering Associate Degrees and numerous continuing education opportunities.

Sterling College, a private institution in Craftsbury, offers academic degree programs combined with outdoor work activities. The Springfield College's School of Human Services also offers courses in St. Johnsbury.

Finally, Burke Academy utilizes the resources from the local ski area to provide a program that combines academic instruction with training for competitive ski racing.

Table 1

Demographic - Economic Comparison of Vermont Counties									
County	Pop. 1998 1/	% of State	Labor Force 1998 2/	Covered Emplmnt 1998 3/	Unemp Rate 1998 2/	Avg Yrly Wage 1998 3/	Per Cap Income 1998 4/	% Below Poverty Level 1995 5/	
Vermont	590,883	100.0%	330,300	280,294	3.4%	\$26,624	\$ 24,602	11.2%	
Addison	34,949	5.9%	19,350	12,594	3.6%	\$25,275	\$ 22,081	11.8%	
Bennington	35,699	6.0%	19,850	18,042	3.9%	\$23,934	\$ 25,599	12.7%	
Caledonia	28,812	4.9%	15,000	10,789	4.7%	\$22,039	\$ 20,394	15.2%	
Chittenden	143,491	24.3%	88,550	88,146	2.2%	\$31,517	\$ 28,909	8.1%	
Essex	6,188	1.0%	2,850	1,704	6.0%	\$24,905	\$ 15,805	15.4%	
Franklin	43,852	7.4%	23,000	13,359	3.3%	\$24,465	\$ 20,197	12.2%	
Grand Isle	6,069	1.0%	3,350	886	4.7%	\$18,535	\$ 24,761	9.7%	
Lamoille	21,650	3.7%	11,850	10,128	4.7%	\$19,989	\$ 23,221	12.4%	
Orange	26,994	4.6%	15,700	7,545	2.7%	\$21,829	\$ 20,438	11.7%	
Orleans	25,862	4.4%	12,150	8,588	7.1%	\$21,336	\$ 19,010	17.1%	
Rutland	62,825	10.6%	32,550	28,778	3.8%	\$24,745	\$ 23,617	12.0%	
Washington	56,444	9.6%	31,000	29,544	4.1%	\$25,565	\$ 24,787	10.0%	
Windham	42,737	7.2%	23,700	24,027	3.1%	\$26,015	\$ 25,368	11.7%	
Windsor	55,311	9.4%	31,400	23,046	2.6%	\$24,961	\$ 26,700	10.9%	
Change in Key Demographic - Economic Comparison of Vermont Counties									
	Population			Covered Employment			Per Capita Income		
	1990 /5	Change 90-98	% Chng 90-98	1990 3/	Chng 90-98	%Chng 90-98	1990	Chng 90-98	%Chng 90-98
Vermont	562,758	28,125	5.0%	251,658	28,636	11.4%	\$18,055	\$ 6,547	36.3%
Addison	32,953	1,996	6.1%	11,178	1,416	12.7%	\$16,244	\$ 5,837	35.9%
Bennington	35,845	(146)	-0.4%	15,764	2,278	14.5%	\$18,958	\$ 6,641	35.0%
Caledonia	27,846	966	3.5%	9,688	1,101	11.4%	\$15,065	\$ 5,329	35.4%
Chittenden	131,761	11,730	8.9%	77,548	10,598	13.7%	\$20,957	\$ 7,952	37.9%
Essex	6,405	(217)	-3.4%	1,523	181	11.9%	\$12,278	\$ 3,527	28.7%
Franklin	39,980	3,872	9.7%	11,279	2,080	18.4%	\$15,512	\$ 4,685	30.2%
Grand Isle	5,318	751	14.1%	674	212	31.5%	\$18,475	\$ 6,286	34.0%
Lamoille	19,735	1,915	9.7%	8,131	1,997	24.6%	\$17,142	\$ 6,079	35.5%
Orange	26,149	845	3.2%	6,860	685	10.0%	\$15,215	\$ 5,223	34.3%
Orleans	24,053	1,809	7.5%	8,173	415	5.1%	\$14,251	\$ 4,759	33.4%
Rutland	62,142	683	1.1%	27,047	1,731	6.4%	\$17,102	\$ 6,515	38.1%
Washington	54,928	1,516	2.8%	27,202	2,342	8.6%	\$18,437	\$ 6,350	34.4%
Windham	41,588	1,149	2.8%	21,781	2,246	10.3%	\$18,586	\$ 6,782	36.5%
Windsor	54,055	1,256	2.3%	20,812	2,234	10.7%	\$19,277	\$ 7,423	38.5%
Sources: 1/ Vermont Department of Health 2/ Vermont Department of Employment & Training, Populations Claims Method, Labor Force Estimates, Benchmark, March 1999. Data not comparable prior to 1990. 3/ Vermont Department of Employment & Training; UI Covered Employment data. 4/ U.S. Department of Commerce, Bureau of Economic Analysis 5/ U.S. Bureau of the Census, Small Area Income & Poverty Estimates Program									

# Demographic - Economic Comparison of Vermont Counties

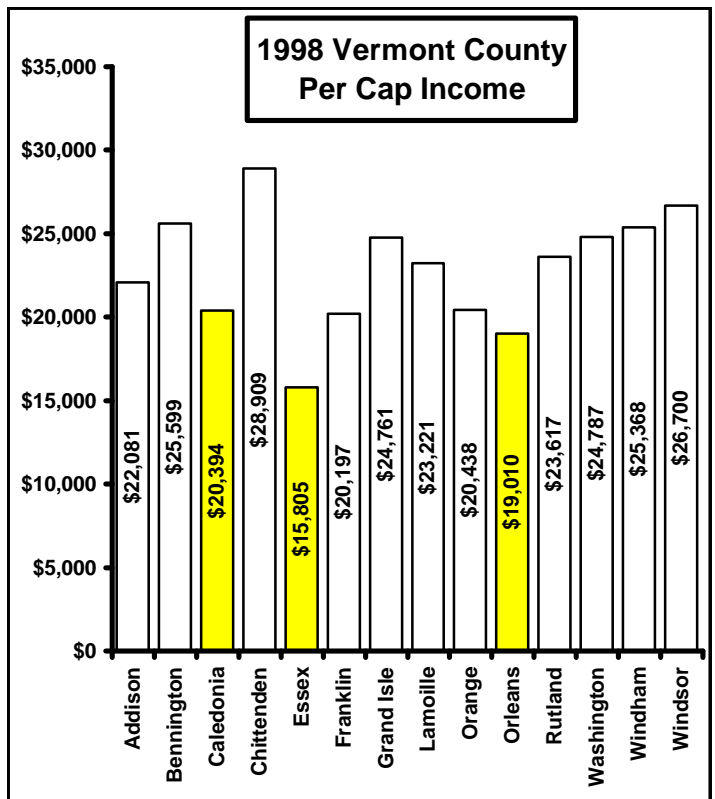
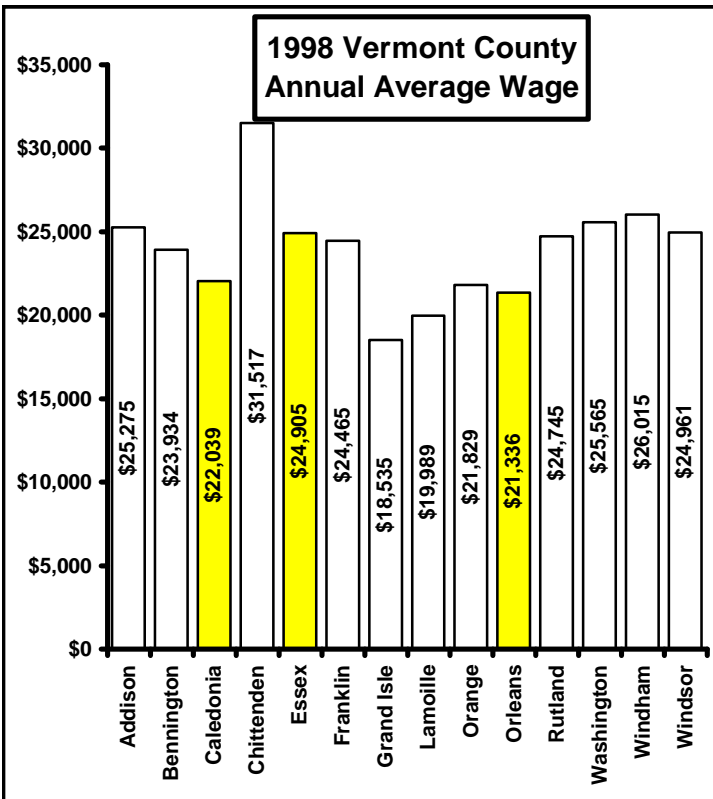
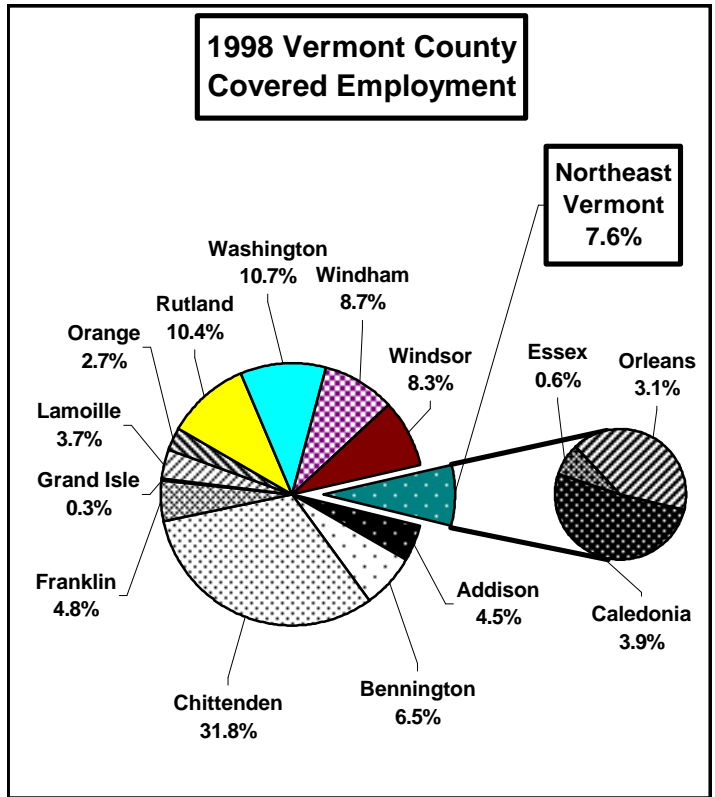
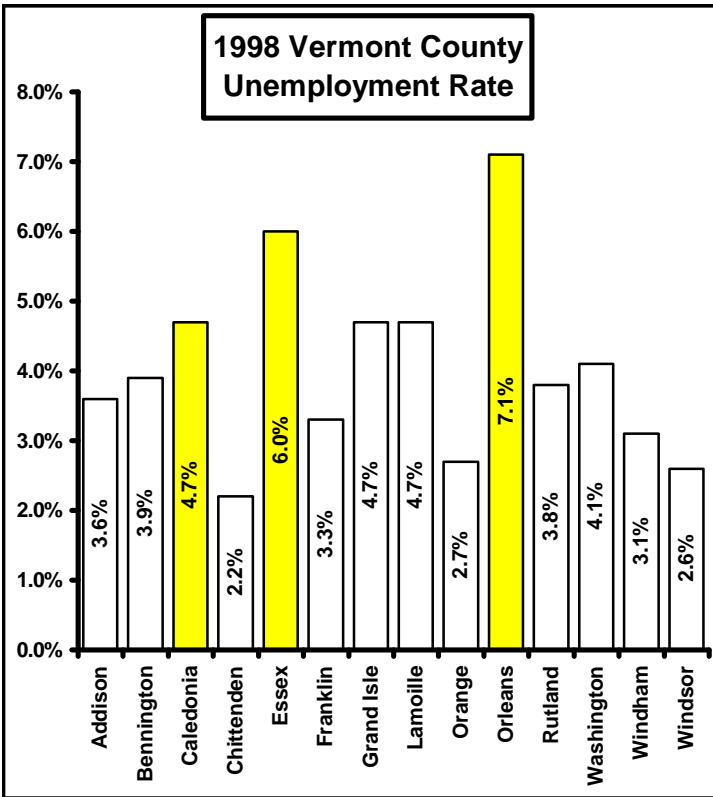


Table 2

## Demographic - Economic Comparison of Caledonia County Towns

	Population 1998 1/	% Share County	Annual Average		% Population ANFC 1998 3/	Effective Food Stamps 1998 3/	Effective Property Tax Rate 1999 4/	Average Residential Value 1999 4/	Median Adjusted Income 1998 5/
			Employment 1998 2/	Wage 1998 2/					
Vermont	590,883	NA	280,294	\$26,624	3.4%	8.0%	\$ 1.96	NA	\$24,650
Caledonia County	28,812	100.0%	10,789	\$22,039	4.3%	11.0%	\$ 1.93	NA	NA
Barnet	1,504	5.2%	195	\$19,926	2.6%	7.0%	\$ 1.59	\$ 82,884	\$23,310
Burke	1,428	5.0%	396	\$17,525	4.5%	10.2%	\$ 1.94	\$ 77,547	\$22,617
Danville	1,991	6.9%	398	\$20,314	1.2%	4.4%	\$ 1.98	\$ 78,879	\$26,352
Groton	935	3.2%	76	\$22,396	4.7%	12.8%	\$ 2.09	\$ 81,580	\$21,508
Hardwick	2,926	10.2%	769	\$18,159	6.7%	16.4%	\$ 2.47	\$ 59,483	\$17,728
Kirby	397	1.4%	D	D	D	4.4%	\$ 2.21	\$ 69,086	\$25,606
Lyndon	5,582	19.4%	2,703	\$23,274	3.7%	10.2%	\$ 1.66	\$ 67,515	\$20,784
Newark	393	1.4%	35	\$14,732	D	14.0%	\$ 1.83	\$ 59,810	\$22,001
Peacham	655	2.3%	53	\$15,553	D	3.2%	\$ 2.08	\$101,600	\$29,069
Ryegate	1,084	3.8%	227	\$30,760	3.7%	8.6%	\$ 1.91	\$ 68,046	\$21,951
St. Johnsbury	7,740	26.9%	5,587	\$22,536	6.6%	14.7%	\$ 2.10	\$ 80,384	\$19,686
Sheffield	637	2.2%	54	\$14,980	8.5%	17.3%	\$ 1.88	\$ 35,449	\$22,234
Stannard	178	0.6%	1	\$33,606	D	16.4%	\$ 2.25	\$ 50,971	\$21,389
Sutton	941	3.3%	70	\$17,489	2.5%	10.1%	\$ 2.04	\$ 54,940	\$22,295
Walden	764	2.7%	D	D	D	7.1%	\$ 1.79	\$ 70,800	\$19,924
Waterford	1,115	3.9%	175	\$18,440	D	1.2%	\$ 1.68	\$100,467	\$29,204
Wheelock	542	1.9%	D	D	D	7.6%	\$ 2.02	\$ 52,339	\$25,099

Sources: 1/ Vermont Department of Health, Population & Housing Estimates 1998  
 2/ Vermont Department of Employment & Training; UI Covered Employment (Inc. Gov.)  
 3/ Vermont Department of Social Welfare. ANFC and Food Stamps rates calculated by dividing recipients by the population estimate.  
 4/ Vermont Division of Property Valuation and Review.  
 Residential 1 value is for single family residence on less than six acres. Rate per \$100.  
 County rates calculated based on total taxes assessed and total equalized value.  
 5/ Vermont Department of Taxes, 1998 Vermont Tax Statistics, Median Adjusted Gross Income by School District

D denotes data which cannot be disclosed.

NA denotes data is not applicable.

Table 3

## Demographic - Economic Comparison of Essex County Towns

	Population		Annual Average		% Population	Effective	Average	Median	
	1998 1/ 1998 1/	% Share County	Employmt 1998 2/ 1998 2/	Wage 1998 2/ 1998 2/	ANFC 1998 3/ 1998 3/	Food Stamps 1998 3/ 1998 3/	Property Tax Rate 1999 4/ 1999 4/	Residential Value 1999 4/ 1999 4/	Adjusted Income 1998 5/ 1998 5/
Vermont	590,883	NA	280,294	\$26,624	3.4%	8.0%	\$ 1.96	NA	\$24,650
Essex County	6,188	100.0%	1,704	\$24,905	5.1%	13.9%	\$ 1.64	NA	NA
Averill	7	0.1%	D	D	D	D	\$ 0.99	\$ 4,521	D
Avery's Gore	-	0.0%	D	D	D	D	\$ 0.99	D	D
Bloomfield	262	4.2%	15	\$21,634	D	5.9%	\$ 1.31	\$ 54,279	\$23,364
Brighton	1,331	21.5%	298	\$17,442	8.5%	22.2%	\$ 1.83	\$ 50,667	\$17,858
Brunswick	108	1.7%	D	D	D	13.4%	\$ 1.97	\$ 38,200	\$20,146
Canaan	1,107	17.9%	D	D	2.6%	8.2%	\$ 1.68	\$ 67,905	\$26,113
Concord	1,081	17.5%	121	\$18,717	5.0%	13.9%	\$ 1.89	\$ 62,166	\$21,818
East Haven	269	4.3%	D	D	6.6%	18.9%	\$ 1.71	\$ 44,185	\$22,496
Ferdinand	22	0.4%	D	D	D	D	\$ 1.37	\$ 3,631	D
Granby	95	1.5%	25	\$26,596	D	17.6%	\$ 1.42	\$ 49,225	\$22,755
Guildhall	293	4.7%	33	\$15,877	D	D	\$ 2.18	\$ 78,548	\$21,112
Lemington	107	1.7%	D	D	D	D	\$ 1.51	\$ 75,853	\$27,735
Lewis	-	0.0%	D	D	D	D	\$ 1.62	D	D
Lunenburg	1,165	18.8%	325	\$31,560	6.5%	16.3%	\$ 1.65	\$ 51,219	\$22,860
Maidstone	135	2.2%	1	6,077	D	D	\$ 1.36	\$ 74,045	\$23,491
Norton	159	2.6%	60	\$31,357	D	D	\$ 1.24	\$ 62,208	\$21,166
Victory	46	0.7%	D	D	D	D	\$ 0.95	\$ 33,285	\$14,350
Warners Grant	-	0.0%	D	D	D	D	\$ 1.02	D	D
Warren Gore	1	0.0%	D	D	D	D	\$ 1.04	\$ 4,048	D

Sources: 1/ Vermont Department of Health, Population & Housing Estimates 1998  
 2/ Vermont Department of Employment & Training; UI Covered Employment (Inc. Gov.)  
 3/ Vermont Department of Social Welfare. ANFC and Food Stamps rates calculated by dividing recipients by the population estimate.  
 4/ Vermont Division of Property Valuation and Review.  
 Residential 1 value is for single family residence on less than six acres. Rate per \$100.  
 County rates calculated based on total taxes assessed and total equalized value.  
 5/ Vermont Department of Taxes, 1998 Vermont Tax Statistics, Median Adjusted Gross Income by School District

D denotes data which cannot be disclosed.

NA denotes data is not applicable.



Table 4

## Demographic - Economic Comparison of Orleans County Towns

	Population		Annual Average		% Population	Effective	Average	Median	
	1998 1/ 1998 1/	% Share County	Employmt 1998 2/ 1998 2/	Wage 1998 2/ 1998 2/	ANFC 1998 3/ 1998 3/	Food Stamps 1998 3/ 1998 3/	Property Tax Rate 1999 4/ 1999 4/	Residential Value 1999 4/ 1999 4/	Adjusted Income 1998 5/ 1998 5/
Vermont	590,883	NA	280,294	\$26,624	3.4%	8.0%	\$ 1.96	NA	\$24,650
Orleans County	25,862	100.0%	8,588	\$21,336	5.2%	14.0%	\$ 1.87	NA	NA
Albany	818	3.2%	63	\$22,771	2.1%	8.1%	\$ 2.33	\$ 55,032	\$19,942
Barton	2,979	11.5%	1,547	\$20,493	7.1%	18.4%	\$ 1.67	\$ 69,894	\$19,306
Brownington	802	3.1%	D	D	2.3%	9.5%	\$ 1.95	\$ 40,120	\$18,038
Charleston	885	3.4%	79	\$14,226	5.1%	15.3%	\$ 1.85	\$ 59,123	\$17,956
Coventry	900	3.5%	115	\$23,051	3.8%	10.5%	\$ 1.39	\$ 59,754	\$21,236
Craftsbury	1,121	4.3%	239	\$17,261	1.6%	5.4%	\$ 2.33	\$ 87,071	\$20,568
Derby	4,709	18.2%	1,588	\$23,084	4.0%	10.8%	\$ 1.61	\$ 85,718	\$22,343
Glover	864	3.3%	105	\$15,596	3.3%	9.2%	\$ 1.87	\$ 59,541	\$20,985
Greensboro	798	3.1%	235	\$16,578	1.9%	6.8%	\$ 1.94	\$ 89,330	\$19,336
Holland	506	2.0%	D	D	3.1%	17.9%	\$ 1.43	\$ 55,442	\$20,788
Irasburg	1,023	4.0%	142	\$19,211	4.0%	11.3%	\$ 1.71	\$ 61,272	\$22,520
Jay	397	1.5%	D	D	D	8.8%	\$ 1.71	\$ 80,973	\$20,780
Lowell	699	2.7%	45	\$10,135	4.5%	17.1%	\$ 1.56	\$ 58,992	\$15,495
Morgan	556	2.1%	41	\$12,519	4.9%	10.6%	\$ 1.44	\$ 90,183	\$25,093
Newport City	4,856	18.8%	3,578	\$22,761	8.8%	21.6%	\$ 2.53	\$ 68,738	\$17,843
Newport Town	1,536	5.9%	243	\$17,974	3.0%	10.3%	\$ 1.73	\$ 83,932	\$20,692
Troy	1,604	6.2%	262	\$22,187	8.8%	19.5%	\$ 1.50	\$ 64,885	\$19,478
Westfield	473	1.8%	30	\$15,086	4.3%	10.3%	\$ 2.16	\$ 58,060	\$17,828
Westmore	336	1.3%	31	\$14,406	D	D	\$ 1.54	\$ 76,484	\$21,405

Sources: 1/ Vermont Department of Health, Population & Housing Estimates 1998  
 2/ Vermont Department of Employment & Training; UI Covered Employment (Inc. Gov.)  
 3/ Vermont Department of Social Welfare. ANFC and Food Stamps rates calculated by dividing recipients by the population estimate.  
 4/ Vermont Division of Property Valuation and Review.  
 Residential 1 value is for single family residence on less than six acres. Rate per \$100.  
 County rates calculated based on total taxes assessed and total equalized value.  
 5/ Vermont Department of Taxes, 1998 Vermont Tax Statistics, Median Adjusted Gross Income by School District

D denotes data which cannot be disclosed.

NA denotes data is not applicable.

## Demographic - Economic Comparison of Northeastern VT Counties

Chart 2

### 1998 Economic Comparison of Vermont & Caledonia County

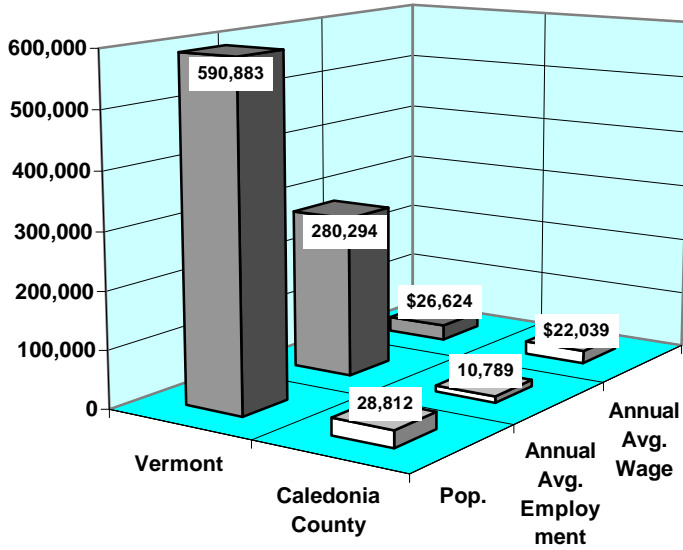


Chart 3

### 1998 Economic Comparison of Vermont & Essex County

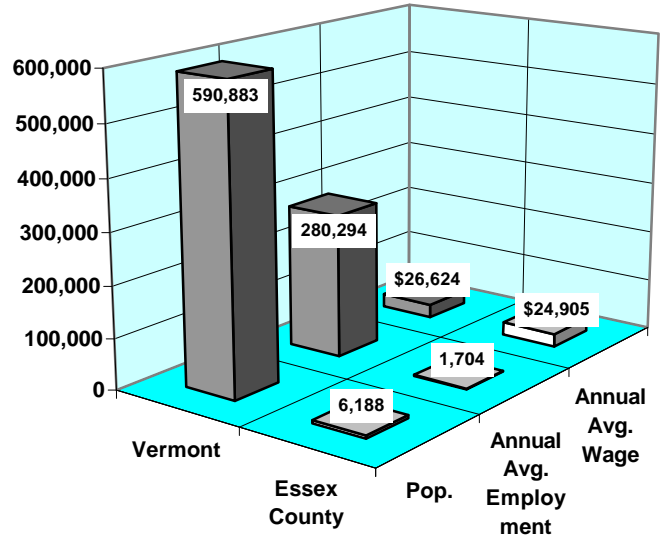


Chart 4

### 1998 Economic Comparison of Vermont & Orleans County

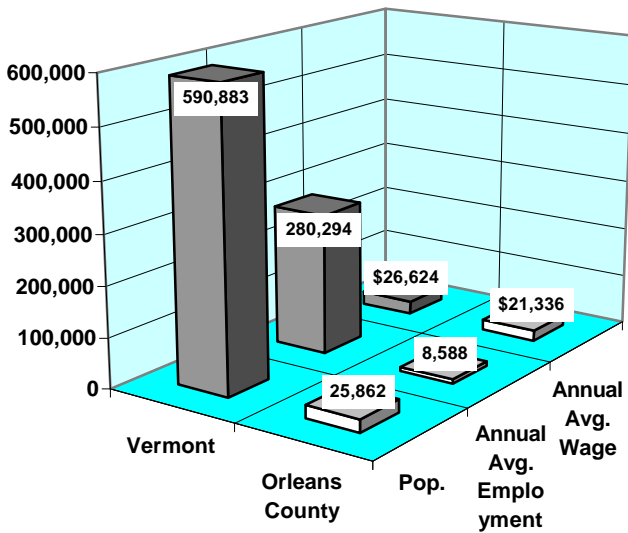


Table 5

**Caledonia County: Population Changes - - 1990 - 1998**

Age :	1990	1997 1/	1998 1/	Change 90-97	Change 97-98	% Change 90-97	% Change 97-98	Age Distribution 1990	Age Distribution 1998
0-4 Years	2,106	1,648	1,606	(458)	(42)	-21.7%	-2.5%	7.6%	5.6%
5-14 Years	4,330	4,388	4,256	58	(132)	1.3%	-3.0%	15.5%	14.8%
15-19 Years	2,187	2,231	2,232	44	1	2.0%	0.0%	7.9%	7.7%
20-34 Years	5,988	5,105	5,070	(883)	(35)	-14.7%	-0.7%	21.5%	17.6%
35-54 Years	7,208	8,828	9,052	1,620	224	22.5%	2.5%	25.9%	31.4%
55-64 Years	2,397	2,427	2,568	30	141	1.3%	5.8%	8.6%	8.9%
65+ Years	3,630	4,040	4,028	410	(12)	11.3%	-0.3%	13.0%	14.0%
Total	27,846	28,667	28,812	821	145	2.9%	0.5%	100.0%	100.0%
Median Age (1990)	33.5								
Vermont	562,758	588,978	590,883	26,220	1,905	4.7%	0.3%		
% State	4.9%	4.9%	4.9%	3.1%	7.6%	N/A	N/A		

Gender:	1990	1997 1/	1998 1/	Change 90-97	Change 97-98	% Change 90-97	% Change 97-98
Male	13,619	14,124	14,157	505	33	3.7%	0.2%
Female	14,227	14,543	14,655	316	112	2.2%	0.8%
Total	27,846	28,667	28,812	821	145	2.9%	0.5%

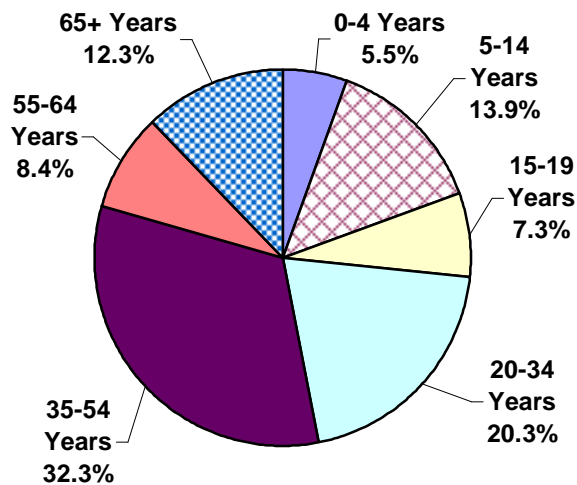
Race:	1990		1998	
	1990 Est	% of Total	1998 Est	% of Total
White	27,622	99.2%	28,261	99.1%
Black	54	0.2%	68	0.2%
American Indian/ Eskimo/Aleut	100	0.4%	86	0.3%
Asian & Pacific Islander	70	0.3%	114	0.4%
Total	27,846	100.0%	28,529	100.0%

Sources: Census of Population & Housing, Bureau of the Census

1/ Vermont Department of Health Estimates

NA Not Available

**Vermont Population  
by Age Groups 1998**



**Caledonia County Population  
by Age Groups 1998**

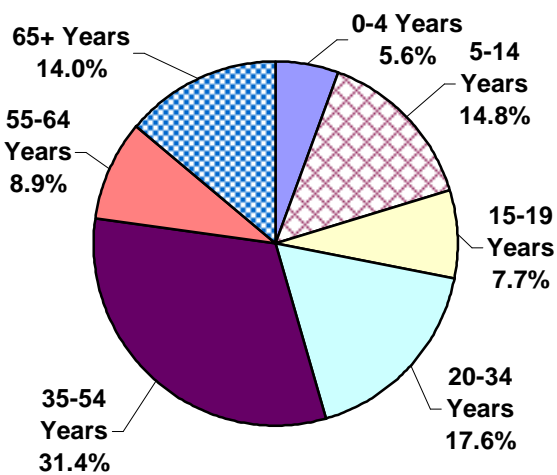


Table 6

**Essex County: Population Changes -- 1990 - 1998**

Age :	1990	1997 1/	1998 1/	Change 90-97	Change 97-98	% Change 90-97	% Change 97-98	Age Distribution 1990	Age Distribution 1998
0-4 Years	449	333	324	(116)	(9)	-25.8%	-2.7%	7.0%	5.2%
5-14 Years	980	1,021	980	41	(41)	4.2%	-4.0%	15.3%	15.8%
15-19 Years	436	404	431	(32)	27	-7.3%	6.7%	6.8%	7.0%
20-34 Years	1,252	963	929	(289)	(34)	-23.1%	-3.5%	19.5%	15.0%
35-54 Years	1,688	1,876	1,874	188	(2)	11.1%	-0.1%	26.4%	30.3%
55-64 Years	690	633	654	(57)	21	-8.3%	3.3%	10.8%	10.6%
65+ Years	910	975	996	65	21	7.1%	2.2%	14.2%	16.1%
Total	6,405	6,205	6,188	(200)	(17)	-3.1%	-0.3%	100.0%	100.0%
Median Age (1990)	35.9								
Vermont	562,758	588,978	590,883	26,220	1,905	4.7%	0.3%		
% State	1.1%	1.1%	1.0%	-0.8%	-0.9%	N/A	N/A		

Gender:	1990	1997 1/	1998 1/	Change 90-97	Change 97-98	% Change 90-97	% Change 97-98
Male	3,143	3,049	3,056	(94)	7	-3.0%	0.2%
Female	3,262	3,156	3,132	(106)	(24)	-3.2%	-0.8%
Total	6,405	6,205	6,188	(200)	(17)	-3.1%	-0.3%

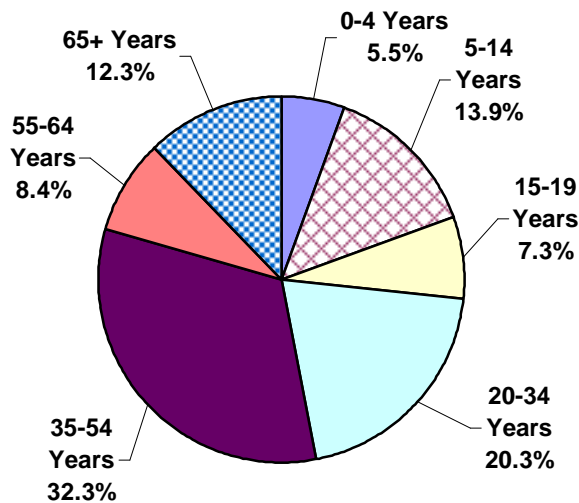
Race:	1990		1998	
	1990 Est	% of Total	1998 Est	% of Total
White	6,363	99.3%	6,522	99.1%
Black	13	0.2%	25	0.4%
American Indian/ Eskimo/Aleut	18	0.3%	19	0.3%
Asian & Pacific Islander	11	0.2%	14	0.2%
Total	6,405	100.0%	6,580	100.0%

Sources: Census of Population & Housing, Bureau of the Census

1/ Vermont Department of Health Estimates

NA Not Available

**Vermont Population  
by Age Groups 1998**



**Essex County Population  
by Age Groups 1998**

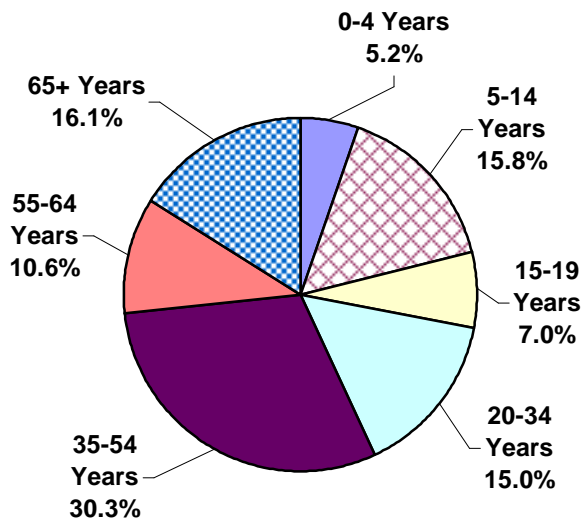
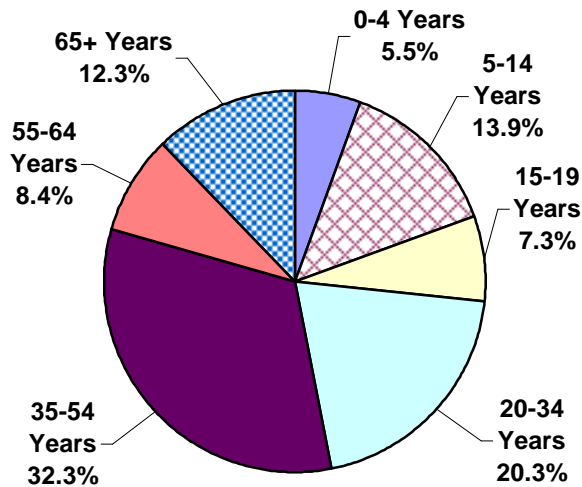


Table 7

Orleans County: Population Changes - - 1990 - 1998									
Age :	1990	1997 1/	1998 1/	Change 90-97	Change 97-98	% Change 90-97	% Change 97-98	Age Distribution	
								1990	1998
0-4 Years	1,776	1,521	1,453	(255)	(68)	-14.4%	-4.5%	7.4%	5.6%
5-14 Years	3,969	3,632	3,530	(337)	(102)	-8.5%	-2.8%	16.5%	13.6%
15-19 Years	1,707	1,808	1,789	101	(19)	5.9%	-1.1%	7.1%	6.9%
20-34 Years	4,894	4,434	4,419	(460)	(15)	-9.4%	-0.3%	20.3%	17.1%
35-54 Years	6,334	8,264	8,506	1,930	242	30.5%	2.9%	26.3%	32.9%
55-64 Years	2,133	2,300	2,443	167	143	7.8%	6.2%	8.9%	9.4%
65+ Years	3,240	3,726	3,722	486	(4)	15.0%	-0.1%	13.5%	14.4%
Total	24,053	25,685	25,862	1,632	177	6.8%	0.7%	100.0%	100.0%
Median Age (1990)	34.3								
Vermont	562,758	588,978	590,883	26,220	1,905	4.7%	0.3%		
% State	4.3%	4.4%	4.4%	6.2%	9.3%	N/A	N/A		
Gender:	1990	1997 1/	1998 1/	Change 90-97	Change 97-98	% Change 90-97	% Change 97-98		
Male	11,860	12,724	12,792	864	68	7.3%	0.5%		
Female	12,193	12,961	13,070	768	109	6.3%	0.8%		
Total	24,053	25,685	25,862	1,632	177	6.8%	0.7%		
Race:	1990			1998					
	1990 Est	% of Total		1998 Est	% of Total				
White	23,896	99.3%		25,084	99.2%				
Black	51	0.2%		85	0.3%				
American Indian/ Eskimo/Aleut	56	0.2%		51	0.2%				
Asian & Pacific Islander	50	0.2%		76	0.3%				
Total	24,053	100.0%		25,296	100.0%				

Sources: Census of Population & Housing, Bureau of the Census  
 1/ Vermont Department of Health Estimates  
 NA Not Available

**Vermont Population  
by Age Groups 1998**



**Orleans County Population  
by Age Groups 1998**

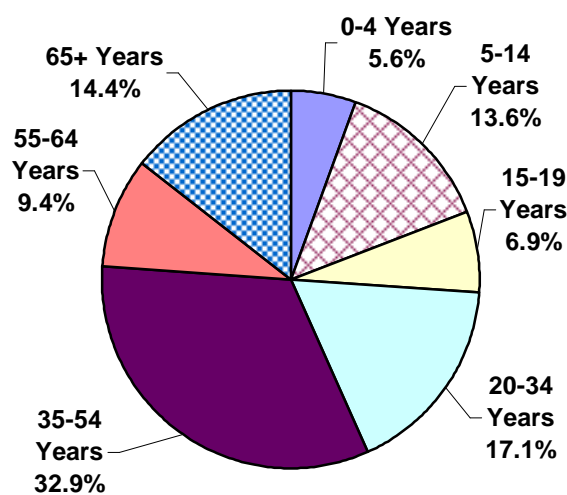


Table 8

## Felony and Misdemeanor Convictions for Vermont Counties (FY99)

County	Felony 1/	Misdemeanor 1/	Total 1/	Population Over Age 14 1998 2/	Convictions Per 100 Residents
Addison	73	434	507	27,995	1.8
Bennington	252	1,130	1,382	28,727	4.8
Caledonia	168	953	1,121	22,950	4.9
Chittenden	778	2,799	3,577	117,228	3.1
Essex	22	83	105	4,884	2.1
Franklin	187	716	903	33,779	2.7
Grand Isle	15	51	66	4,791	1.4
Lamoille	117	532	649	17,221	3.8
Orange	56	333	389	21,407	1.8
Orleans	180	643	823	20,879	3.9
Rutland	183	1,029	1,212	51,151	2.4
Washington	185	1,012	1,197	45,748	2.6
Windham	272	1,329	1,601	34,691	4.6
Windsor	149	915	1,064	44,521	2.4
<b>Total</b>	<b>2,637</b>	<b>11,959</b>	<b>14,596</b>	<b>475,972</b>	<b>3.1</b>

Note: Based on the number of convictions on a case basis, NOT the number of people convicted. Convictions are reported in the county where prosecuted, not the residency of persons convicted.

Sources: 1/ District Court of Vermont - Vermont Court Administrator's Office  
2/ Vermont Department of Health

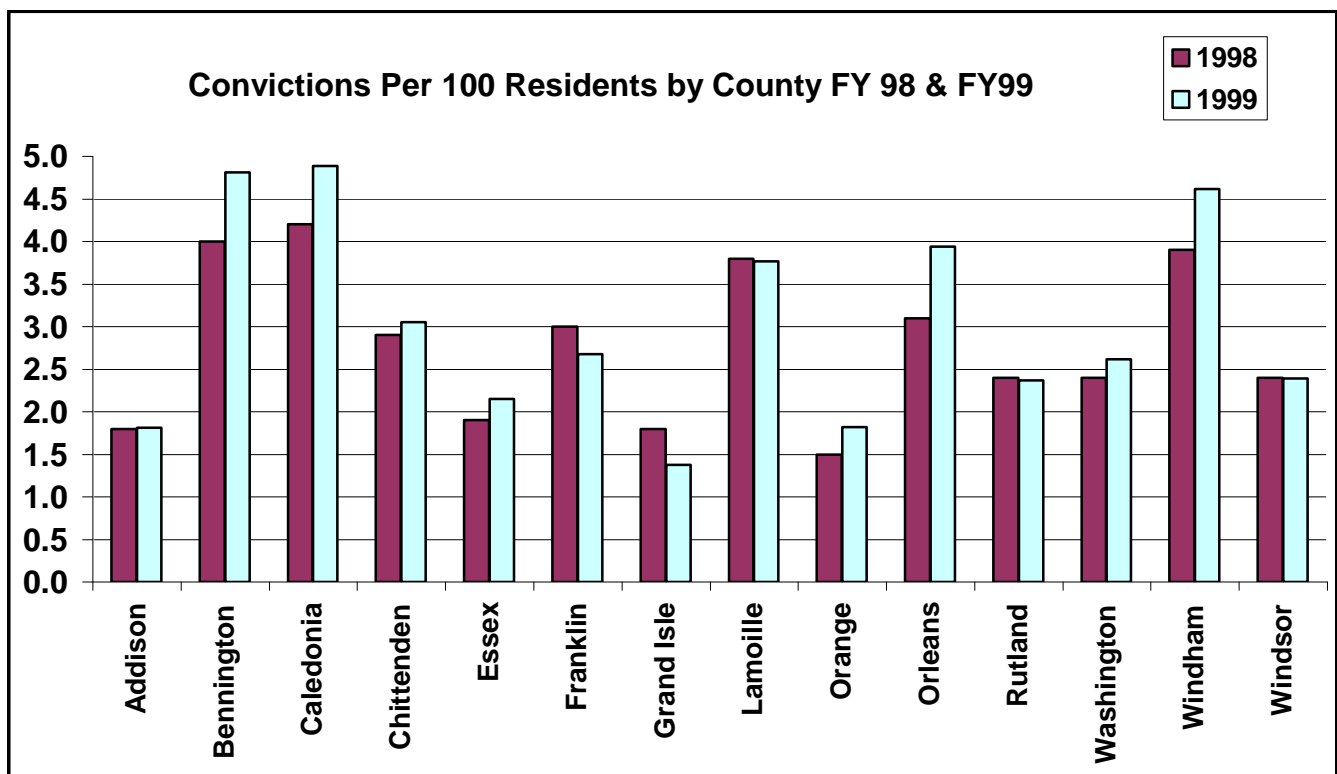


Table 9

### Caledonia County: Employment by Residence

Resident Labor Force	1997		1998		Change 97-98	% Change 97-98
	1997	% State	1998	% State		
Labor Force	15,200	4.6%	15,000	4.5%	-200	-1.3%
Unemployment Rate (%)	800	6.2%	700	6.3%	-100	-12.5%
Employment	5.4%	NA	4.7%	NA	-0.7	NA
	14,400	4.6%	14,300	4.5%	-100	-0.7%

Note: County estimates before 1990 are not comparable due to a change in methodology.

Note: Residency-based employment is not comparable to industry data.

### Caledonia County: Employment by Industry

Industry	Covered 1990		Covered 1997		Covered 1998		Change 90-97	Change 97-98	% Change 90-98
	Emp.	% Total	Emp.	% Total	Emp.	% Total			
Private ownership	8,069	83.3%	8,873	83.3%	8,970	83.1%	804	97	11.2%
Agriculture, Forestry & Fishing	61	0.6%	D	D	D	D	5	D	D
Mining & Quarrying	10	0.1%	D	D	D	D	D	D	D
Contract Construction	652	6.7%	510	4.8%	562	5.2%	-143	53	-13.8%
Manufacturing	1,873	19.3%	2,271	21.3%	2,279	21.1%	398	9	21.7%
Durable Goods	1,138	11.8%	1,249	11.7%	1,293	12.0%	111	44	13.6%
Nondurable Goods	735	7.6%	1,022	9.6%	987	9.2%	287	-35	34.3%
Transportation & Utilities	540	5.6%	469	4.4%	480	4.5%	-72	12	-11.1%
Trade	2,309	23.8%	2,534	23.8%	2,536	23.5%	225	1	9.8%
Wholesale	335	3.5%	336	3.2%	324	3.0%	1	-12	-3.4%
Retail	1,974	20.4%	2,199	20.6%	2,212	20.5%	225	13	12.1%
Finance, Insurance & Real Est	472	4.9%	417	3.9%	418	3.9%	-56	1	-11.5%
Services	2,152	22.2%	2,602	24.4%	2,608	24.2%	450	6	21.2%
Hotel & Resorts	156	1.6%	186	1.7%	176	1.6%	29	-10	12.5%
Health	861	8.9%	1,102	10.3%	1,075	10.0%	240	-27	24.8%
Other	1,134	11.7%	1,315	12.3%	1,358	12.6%	181	43	19.7%
Government ownership	1,618	16.7%	1,780	16.7%	1,819	16.9%	162	39	12.4%
Total for Caledonia County	9,688	100.0%	10,654	100.0%	10,789	100.0%	966	136	11.4%

Source: Vermont Department of Employment & Training  
Labor Market Information Section

NA Not Applicable

D denotes data which cannot be disclosed.

Table 10

### Essex County: Employment by Residence

Resident Labor Force	1997		1998		Change 97-98	% Change 97-98
	1997	% State	1998	% State		
Labor Force	2,850	0.9%	2,850	0.9%	0	0.0%
Unemployment Rate (%)	200	1.5%	150	1.3%	-50	-25.0%
Employment	2,650	0.8%	2,650	0.8%	0	0.0%

Note: County estimates before 1990 are not comparable due to a change in methodology.

Note: Residency-based employment is not comparable to industry data.

### Essex County: Employment by Industry

Industry	Covered Emp. 1990		Covered Emp. 1997		Covered Emp. 1998		Change 90-97	Change 97-98	% Change 90-98
	1990	% Total	1997	% Total	1998	% Total			
Private ownership	1,215	79.8%	1,309	79.3%	1,346	79.0%	94	37	10.8%
Agriculture, Forestry & Fishing	22	1.4%	18	1.1%	17	1.0%	-4	-1	-20.8%
Mining & Quarrying	D	D	D	D	D	D	D	D	D
Contract Construction	47	3.1%	37	2.3%	45	2.7%	-10	8	-4.6%
Manufacturing	871	57.2%	920	55.7%	947	55.6%	50	26	8.8%
Durable Goods	D	D	D	D	D	D	D	D	D
Nondurable Goods	D	D	D	D	D	D	D	D	D
Transportation & Utilities	44	2.9%	46	2.8%	42	2.5%	2	-4	-4.7%
Trade	139	9.1%	148	9.0%	155	9.1%	9	7	11.5%
Wholesale	D	D	D	D	D	D	D	D	D
Retail	D	D	D	D	D	D	D	D	D
Finance, Insurance & Real Est	D	D	D	D	D	D	D	D	D
Services	75	5.0%	125	7.6%	130	7.6%	50	5	72.6%
Hotel & Resorts	D	D	D	D	D	D	D	D	D
Health	D	D	D	D	D	D	D	D	D
Other	40	2.7%	83	5.0%	89	5.2%	42	6	120.1%
Government ownership	308	20.2%	343	20.8%	358	21.0%	34	15	16.0%
Total for Essex County	1,523	100.0%	1,651	100.0%	1,704	100.0%	128	52	11.9%

Source: Vermont Department of Employment & Training  
Labor Market Information Section

NA Not Applicable

D denotes data which cannot be disclosed.



Table 11

### Orleans County: Employment by Residence

Resident Labor Force	1997		1998		Change 97-98	% Change 97-98
		% State		% State		
Labor Force	12,350	3.8%	12,150	3.7%	-200	-1.6%
Unemployment Rate (%)	1,000	7.7%	850	7.6%	-150	-15.0%
Employment	8.0%	NA	7.1%	NA	-0.9	NA
	11,350	3.6%	11,300	3.5%	-50	-0.4%

Note: County estimates before 1990 are not comparable due to a change in methodology.

Note: Residency-based employment is not comparable to industry data.

### Orleans County: Employment by Industry

Industry	Covered Emp. 1990		Covered Emp. 1997		Covered Emp. 1998		Change 90-97	Change 97-98	% Change 90-98
		% Total		% Total		% Total			
Private ownership	6,692	81.9%	6,890	81.3%	6,997	81.5%	198	107	4.6%
Agriculture, Forestry & Fishing	D	D	128	1.5%	146	1.7%	17	18	31.9%
Mining & Quarrying	D	D	0	0.0%	0	0.0%	D	0	D
Contract Construction	452	5.5%	431	5.1%	470	5.5%	-21	39	4.1%
Manufacturing	1,980	24.2%	1,789	21.1%	1,795	20.9%	-191	6	-9.3%
Durable Goods	1,327	16.2%	1,376	16.2%	1,459	17.0%	49	83	10.0%
Nondurable Goods	653	8.0%	413	4.9%	336	3.9%	-240	-77	-48.6%
Transportation & Utilities	302	3.7%	402	4.8%	382	4.5%	101	-20	26.7%
Trade	1,737	21.3%	1,790	21.1%	1,820	21.2%	52	30	4.7%
Wholesale	251	3.1%	310	3.7%	302	3.5%	59	-8	20.3%
Retail	1,486	18.2%	1,480	17.5%	1,517	17.7%	-6	37	2.1%
Finance, Insurance & Real Est	245	3.0%	240	2.8%	238	2.8%	-5	-2	-2.7%
Services	1,825	22.3%	2,110	24.9%	2,147	25.0%	285	36	17.6%
Hotel & Resorts	341	4.2%	288	3.4%	268	3.1%	-52	-21	-21.5%
Health	904	11.1%	1,130	13.3%	1,134	13.2%	227	4	25.5%
Other	581	7.1%	692	8.2%	745	8.7%	111	53	28.3%
Government ownership	1,481	18.1%	1,582	18.7%	1,591	18.5%	101	9	7.5%
Total for Orleans County	8,173	100.0%	8,472	100.0%	8,588	100.0%	299	116	5.1%

Source: Vermont Department of Employment & Training  
Labor Market Information Section

NA Not Applicable

D denotes data which cannot be disclosed.

**Northeastern VT Counties: Employment by Industry**

Chart 9

**Caledonia County  
1998 Employment by Industry**

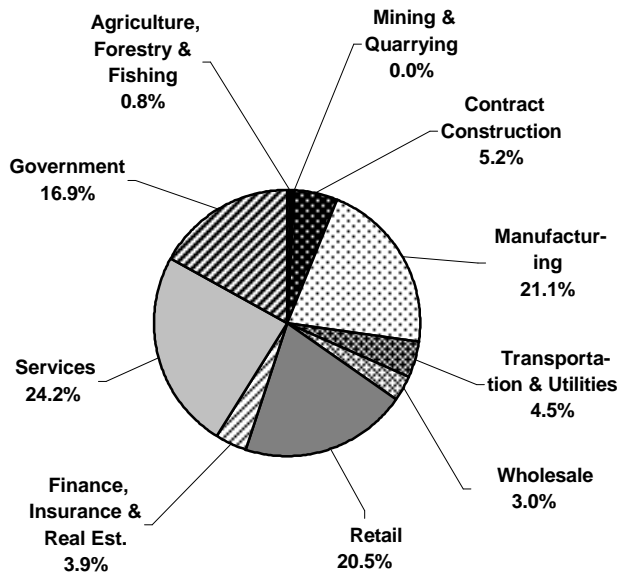


Chart 10

**Essex County  
1998 Employment by Industry**

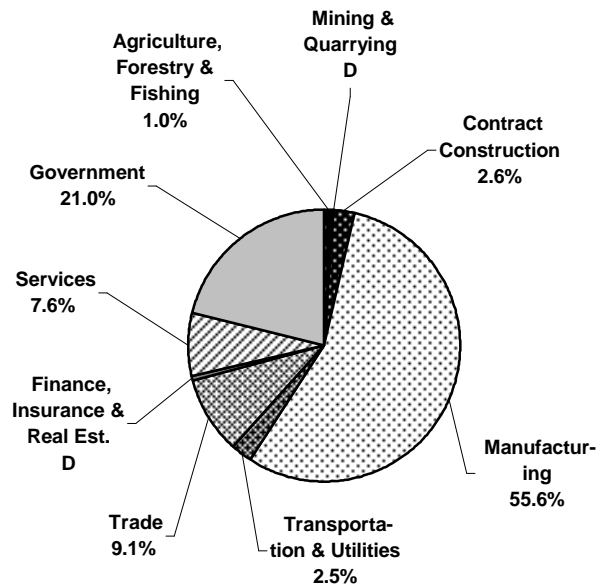


Chart 11

**Orleans County  
1998 Employment by Industry**

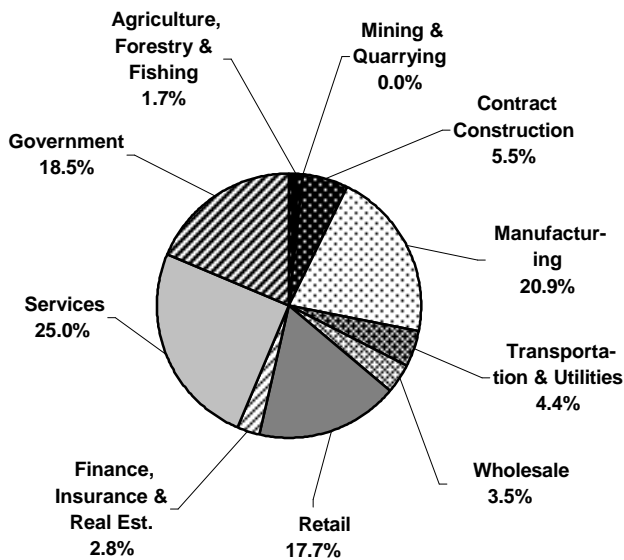


Table 12

### Agricultural Comparison of Vermont Counties (1997)

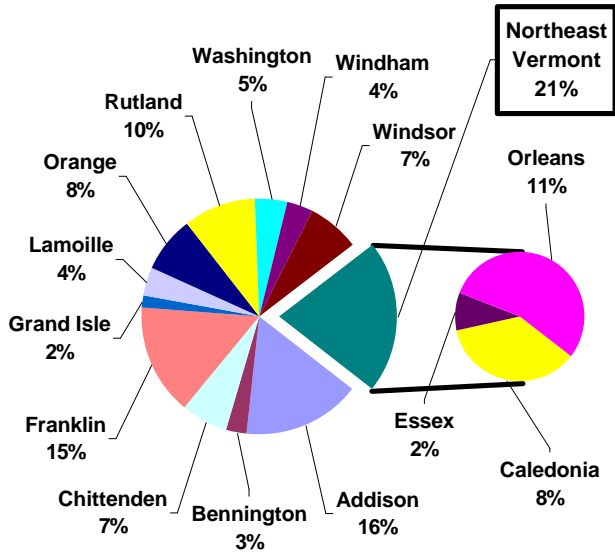
County	Farm Acreage	% Share Vermont	No. Hired Workers 1/	% Share Vermont	Value of Agr. Prod. Sold (000's)	% Share Vermont	Dairy Prod. Sold (000's)	% Share Vermont	% Dairy of Total Sales
Vermont	1,262,155	100.0%	8,912	100.0%	\$ 476,343	100.0%	\$ 352,556	100.0%	74.0%
Addison	204,985	16.2%	1,623	18.2%	\$ 112,718	23.7%	\$ 82,367	23.4%	73.1%
Bennington	32,374	2.6%	303	3.4%	\$ 8,084	1.7%	\$ 4,753	1.3%	58.8%
Caledonia	94,255	7.5%	620	7.0%	\$ 29,357	6.2%	\$ 23,407	6.6%	79.7%
Chittenden	83,355	6.6%	717	8.0%	\$ 25,544	5.4%	\$ 15,598	4.4%	61.1%
Essex	25,497	2.0%	112	1.3%	\$ 6,769	1.4%	\$ 5,183	1.5%	76.6%
Franklin	190,215	15.1%	1,428	16.0%	\$ 99,610	20.9%	\$ 84,676	24.0%	85.0%
Grand Isle	21,036	1.7%	186	2.1%	\$ 9,605	2.0%	\$ 7,284	2.1%	75.8%
Lamoille	48,967	3.9%	272	3.1%	\$ 15,470	3.2%	\$ 11,581	3.3%	74.9%
Orange	98,352	7.8%	626	7.0%	\$ 26,079	5.5%	\$ 19,064	5.4%	73.1%
Orleans	144,154	11.4%	821	9.2%	\$ 59,522	12.5%	\$ 50,768	14.4%	85.3%
Rutland	125,770	10.0%	503	5.6%	\$ 28,357	6.0%	\$ 20,946	5.9%	73.9%
Washington	56,290	4.5%	409	4.6%	\$ 15,041	3.2%	\$ 10,388	2.9%	69.1%
Windham	46,818	3.7%	724	8.1%	\$ 20,366	4.3%	\$ 9,438	2.7%	46.3%
Windsor	90,087	7.1%	568	6.4%	\$ 19,820	4.2%	\$ 7,102	2.0%	35.8%

Sources: 1997 Census of Agriculture, U.S. Department of Commerce, Bureau of the Census.  
<http://www.nass.usda.gov/census/>

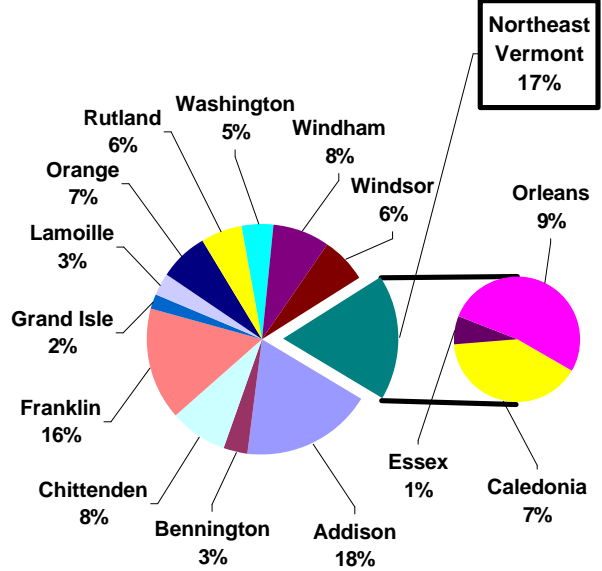
1/ Data is based on a sample of farms.

## Agricultural Comparison of Vermont Counties (1997)

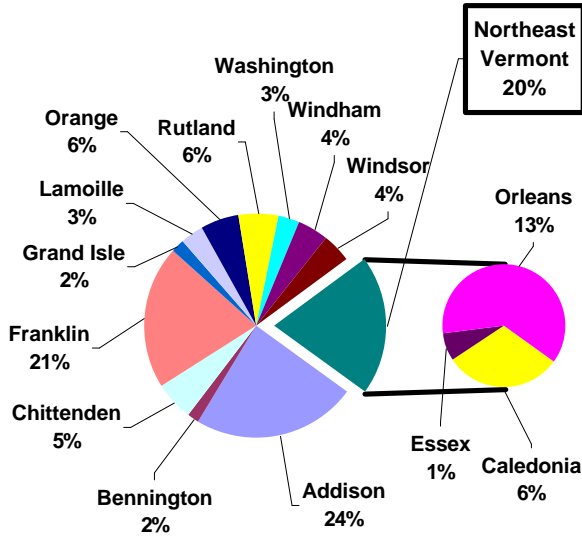
**1997  
Farm Acreage**



**1997  
Number of Hired Workers**



**1997  
Value of Agricultural Products Sold (000's)**



**1997  
Dairy Products Sold (000's)**

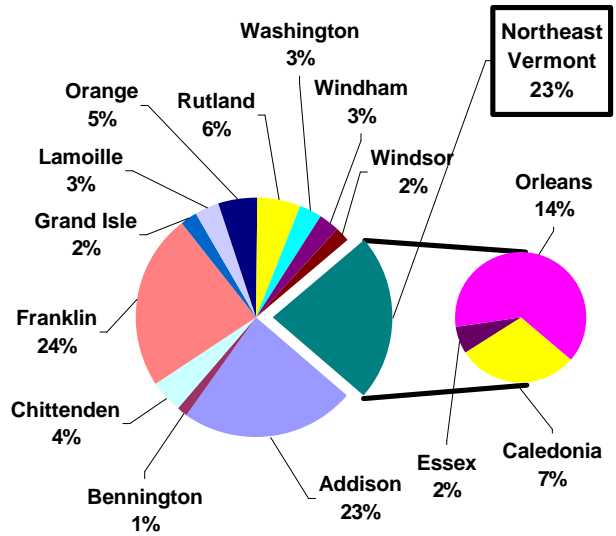


Table 13

Forest Industry Comparison of Vermont Counties									
County	1997 Harvest				1998 Harvest				1997 No. of Sawmills 2/
	Hardwood (board feet) (Thousands)	% of State	Softwood (board feet) (Thousands)	% of State	Hardwood (board feet) (Thousands)	% of State	Softwood (board feet) (Thousands)	% of State	
Vermont	131,595	100.0%	161,885	100.0%	123,408	100.0%	142,073	100.0%	176
Addison	9,264	7.0%	3,016	1.9%	7,831	6.3%	3,587	2.5%	10
Bennington	9,903	7.5%	3,897	2.4%	9,572	7.8%	4,019	2.8%	9
Caledonia	6,760	5.1%	24,311	15.0%	4,812	3.9%	22,492	15.8%	19
Chittenden	2,535	1.9%	4,023	2.5%	2,374	1.9%	3,147	2.2%	8
Essex	7,944	6.0%	15,994	9.9%	7,407	6.0%	4,460	3.1%	4
Franklin/G I	6,221	4.7%	8,540	5.3%	6,790	5.5%	5,479	3.9%	5
Lamoille	10,839	8.2%	11,648	7.2%	12,314	10.0%	8,521	6.0%	10
Orange	15,917	12.1%	22,635	14.0%	9,425	7.6%	18,380	12.9%	12
Orleans	13,940	10.6%	18,659	11.5%	8,600	7.0%	16,916	11.9%	21
Rutland	17,337	13.2%	11,177	6.9%	12,662	10.3%	7,907	5.6%	18
Washington	9,317	7.1%	10,497	6.5%	8,315	6.7%	11,823	8.3%	19
Windham	9,835	7.5%	16,136	10.0%	21,225	17.2%	22,775	16.0%	30
Windsor	11,783	9.0%	11,352	7.0%	12,081	9.8%	12,567	8.8%	11

1/ Harvest volumes do not include firewood volumes.  
 2/ Includes both domant and active.  
 Franklin and Grand isle Counties are combined in harvest reporting.

Source: Vermont Department of Forest, Parks & Recreation

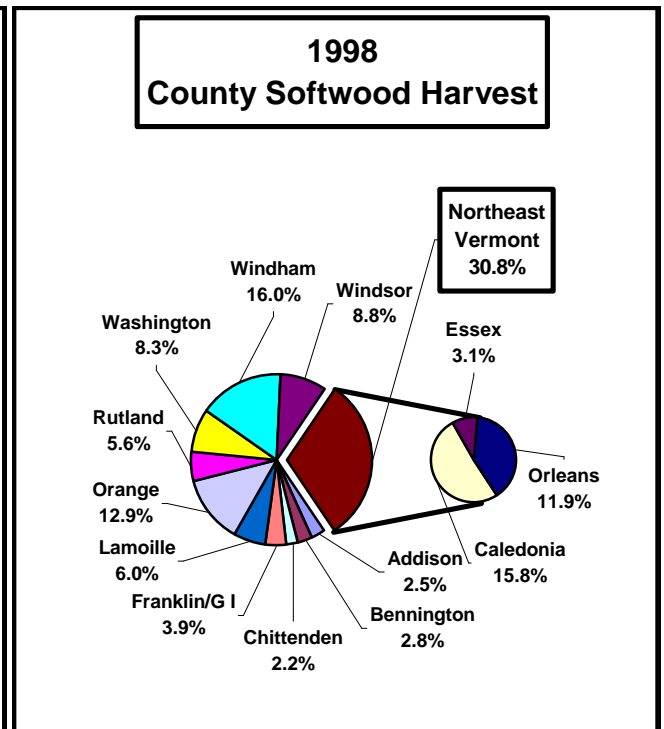
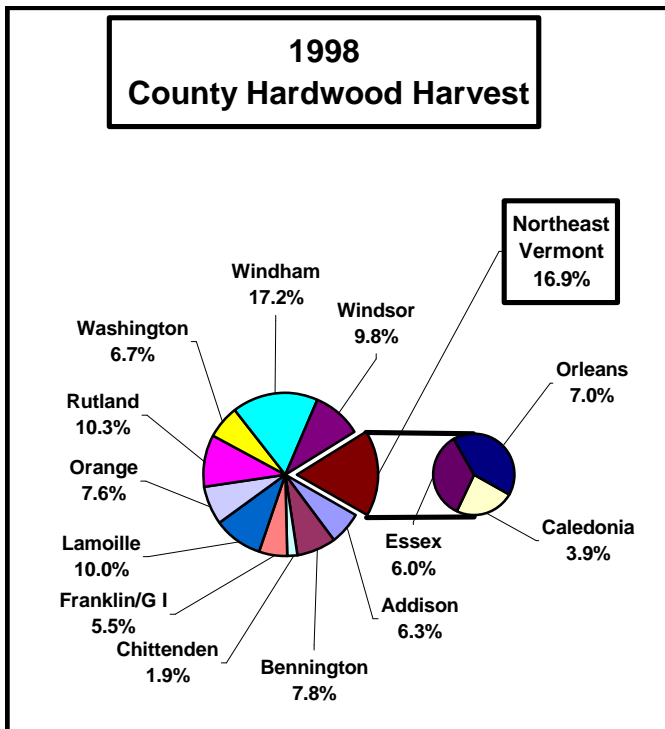


Table 14

### 1999 Tax Revenues for Vermont Counties

County	Personal		Sales &		Rooms &		Property	
	Income	% of	Use	% of	Meals	% of	Transfer	% of
	Tax Amount	State	Tax Amount	State	Tax Amount	State	Tax Amount	State
			1/		1/			
Vermont	\$ 336,619,711	100.0%	\$ 202,479,749	100.0%	\$ 84,873,887	100.0%	\$ 21,185,499	100.0%
Addison	\$ 17,808,114	5.3%	\$ 6,131,831	3.0%	\$ 2,871,577	3.4%	\$ 786,420	3.7%
Bennington	\$ 20,200,652	6.0%	\$ 15,232,068	7.5%	\$ 7,057,963	8.3%	\$ 1,722,448	8.1%
Caledonia	\$ 11,132,919	3.3%	\$ 6,017,492	3.0%	\$ 1,958,185	2.3%	\$ 501,504	2.4%
Chittenden	\$ 111,658,370	33.2%	\$ 63,913,752	31.6%	\$ 20,260,297	23.9%	\$ 6,042,079	28.5%
Essex	\$ 1,654,516	0.5%	\$ 318,074	0.2%	\$ 220,618	0.3%	\$ 229,943	1.1%
Franklin	\$ 18,009,414	5.4%	\$ 8,135,805	4.0%	\$ 2,475,218	2.9%	\$ 945,204	4.5%
Grand Isle	\$ 3,851,902	1.1%	\$ 482,777	0.2%	\$ 366,517	0.4%	\$ 327,883	1.5%
Lamoille	\$ 16,081,001	4.8%	\$ 7,052,272	3.5%	\$ 7,215,643	8.5%	\$ 1,236,362	5.8%
Orange	\$ 11,513,623	3.4%	\$ 3,049,549	1.5%	\$ 1,378,916	1.6%	\$ 518,925	2.4%
Orleans	\$ 8,216,008	2.4%	\$ 4,934,595	2.4%	\$ 1,551,902	1.8%	\$ 567,308	2.7%
Rutland	\$ 29,443,031	8.7%	\$ 23,161,134	11.4%	\$ 8,926,867	10.5%	\$ 1,612,793	7.6%
Washington	\$ 30,924,189	9.2%	\$ 14,788,215	7.3%	\$ 6,955,258	8.2%	\$ 1,290,606	6.1%
Windham	\$ 21,632,453	6.4%	\$ 11,314,493	5.6%	\$ 7,219,809	8.5%	\$ 2,271,235	10.7%
Windsor	\$ 34,493,519	10.2%	\$ 11,231,527	5.5%	\$ 9,294,838	11.0%	\$ 3,132,789	14.8%
Other		0.0%	\$ 26,716,166	13.2%	\$ 7,120,279	8.4%		0.0%

1/ Fiscal Year 99 (July 1998 - June 1999)

Source: Vermont Department of Taxes

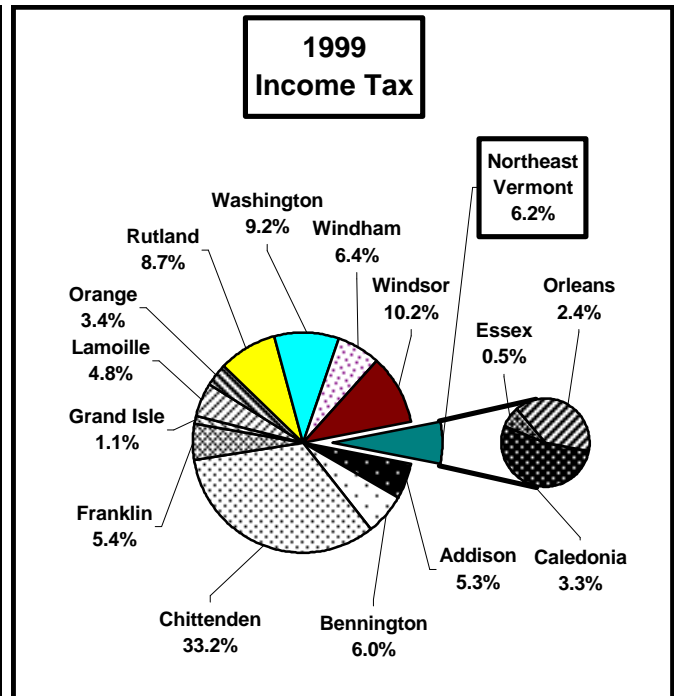
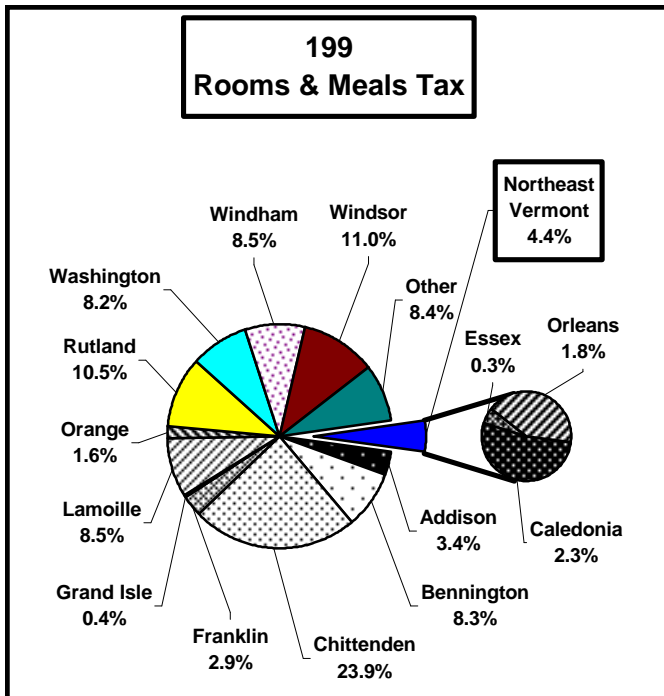


Table 15

	Total Housing Units			% Chng 90-98	% Chng 97-98	1998 Housing Units		
	1990	1997	1998			Yr. Rd.	Vacation	Vacation % of Tot.
	Vermont	270,978	286,906			289,625	6.9%	0.9%
Caledonia County	13,718	14,524	14,647	6.8%	0.8%	12,357	2,290	15.6%
Barnet	809	851	878	8.5%	3.2%	639	239	27.2%
Burke	923	995	1,042	12.9%	4.7%	797	245	23.5%
Danville	1,087	1,145	1,165	7.2%	1.7%	884	281	24.1%
Groton	534	581	578	8.2%	-0.5%	368	210	36.3%
Hardwick	1,243	1,282	1,282	3.1%	0.0%	1,222	60	4.7%
Kirby	184	212	214	16.3%	0.9%	167	47	22.0%
Lyndon	2,094	2,217	2,217	5.9%	0.0%	2,172	45	2.0%
Newark	441	432	421	-4.5%	-2.5%	184	237	56.3%
Peacham	484	490	500	3.3%	2.0%	257	243	48.6%
Ryegate	531	571	574	8.1%	0.5%	442	132	23.0%
St. Johnsbury	3,587	3,627	3,625	1.1%	-0.1%	3,606	19	0.5%
Sheffield	287	354	354	23.3%	0.0%	249	105	29.7%
Stannard	80	90	90	12.5%	0.0%	60	30	33.3%
Sutton	369	409	415	12.5%	1.5%	358	57	13.7%
Walden	386	488	494	28.0%	1.2%	310	184	37.2%
Waterford	431	474	482	11.8%	1.7%	431	51	10.6%
Wheelock	248	306	316	27.4%	3.3%	211	105	33.2%

Source: Vermont Department of Health, Population & Housing Estimates

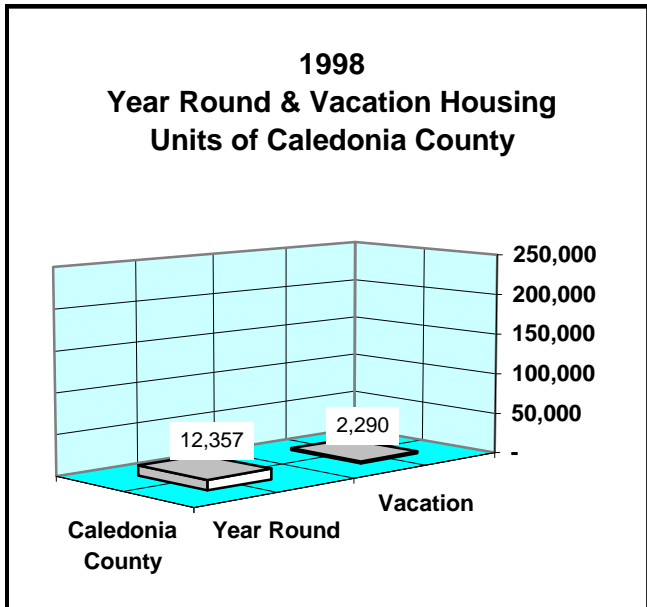
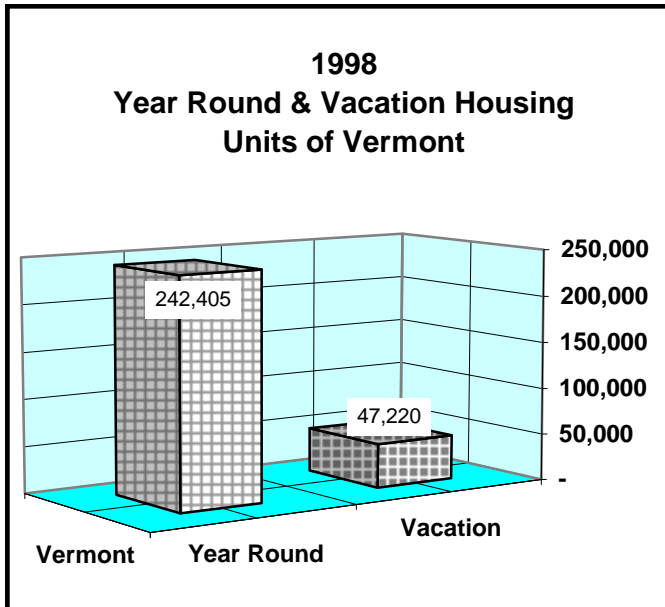


Table 16

Housing - Essex County Towns								
	Total Housing Units			% Chng 90-98	% Chng 97-98	1998 Housing Units		
	1990	1997	1998			Yr. Rd.	Vacation	Vacation % of Tot.
Vermont	270,978	286,906	289,625	6.9%	0.9%	242,405	47,220	16.3%
Essex County	4,059	4,202	4,212	3.8%	0.2%	2,664	1,548	36.8%
Averill	96	96	96	0.0%	0.0%	4	92	95.8%
Avery's Gore	8	8	8	0.0%	0.0%	0	8	100.0%
Bloomfield	188	200	200	6.4%	0.0%	114	86	43.0%
Brighton	743	773	773	4.0%	0.0%	589	184	23.8%
Brunswick	87	96	97	11.5%	1.0%	42	55	56.7%
Canaan	577	597	598	3.6%	0.2%	464	134	22.4%
Concord	664	672	672	1.2%	0.0%	458	214	31.8%
East Haven	142	152	152	7.0%	0.0%	109	43	28.3%
Ferdinand	82	82	82	0.0%	0.0%	14	68	82.9%
Granby	65	71	75	15.4%	5.6%	35	40	53.3%
Guildhall	142	142	142	0.0%	0.0%	113	29	20.4%
Lemington	70	70	70	0.0%	0.0%	49	21	30.0%
Lewis	27	27	27	0.0%	0.0%	0	27	100.0%
Lunenburg	638	641	641	0.5%	0.0%	504	137	21.4%
Maidstone	283	284	286	1.1%	0.7%	57	229	80.1%
Norton	128	164	166	29.7%	1.2%	75	91	54.8%
Victory	72	81	81	12.5%	0.0%	37	44	54.3%
Warners Grant	1	1	1	0.0%	0.0%	0	1	100.0%
Warren Gore	46	45	45	-2.2%	0.0%	0	45	100.0%

Source: Vermont Department of Health, Population & Housing Estimates

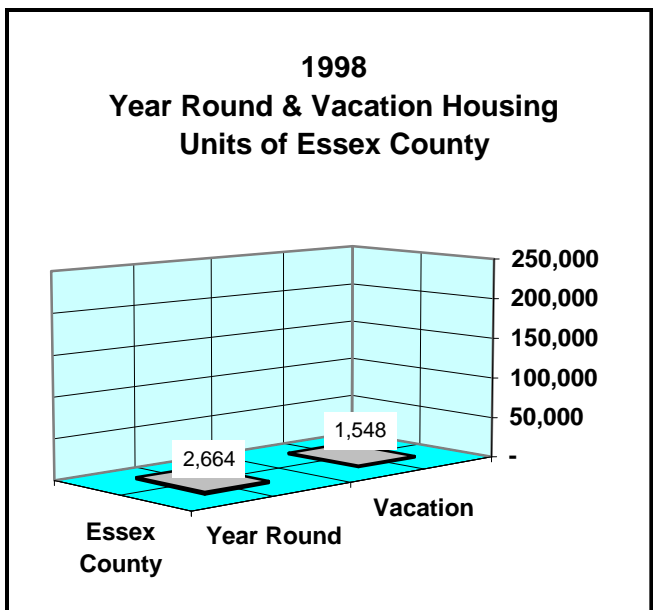
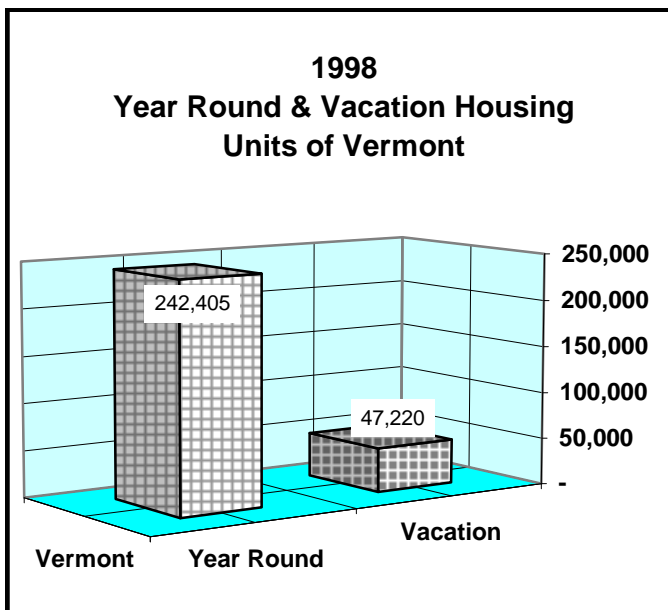




Table 17

Housing - Orleans County Towns								
	Total Housing Units			% Chng 90-98	% Chng 97-98	1998 Housing Units		
	1990	1997	1998			Yr. Rd.	Vacation	Vacation % of Tot.
Vermont	270,978	286,906	289,625	6.9%	0.9%	242,405	47,220	16.3%
Orleans County	12,551	13,769	13,973	11.3%	1.5%	10,561	3,412	24.4%
Albany	389	423	439	12.9%	3.8%	334	105	23.9%
Barton	1,382	1,437	1,455	5.3%	1.3%	1,292	163	11.2%
Brownington	359	438	438	22.0%	0.0%	322	116	26.5%
Charleston	477	549	549	15.1%	0.0%	365	184	33.5%
Coventry	300	347	347	15.7%	0.0%	329	18	5.2%
Craftsbury	474	563	600	26.6%	6.6%	460	140	23.3%
Derby	2,007	2,170	2,170	8.1%	0.0%	1,877	293	13.5%
Glover	596	629	623	4.5%	-1.0%	346	277	44.5%
Greensboro	647	704	704	8.8%	0.0%	333	371	52.7%
Holland	274	333	360	31.4%	8.1%	220	140	38.9%
Irasburg	371	425	434	17.0%	2.1%	379	55	12.7%
Jay	333	405	405	21.6%	0.0%	167	238	58.8%
Lowell	307	373	383	24.8%	2.7%	277	106	27.7%
Morgan	518	572	631	21.8%	10.3%	224	407	64.5%
Newport City	2,083	2,175	2,196	5.4%	1.0%	2,054	142	6.5%
Newport Town	670	763	763	13.9%	0.0%	598	165	21.6%
Troy	641	677	677	5.6%	0.0%	626	51	7.5%
Westfield	274	307	317	15.7%	3.3%	204	113	35.6%
Westmore	449	479	482	7.3%	0.6%	154	328	68.0%

Source: Vermont Department of Health, Population & Housing Estimates

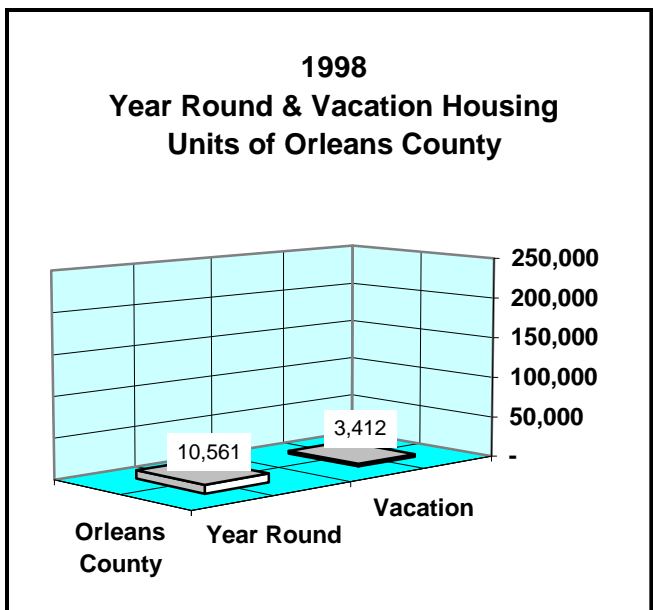
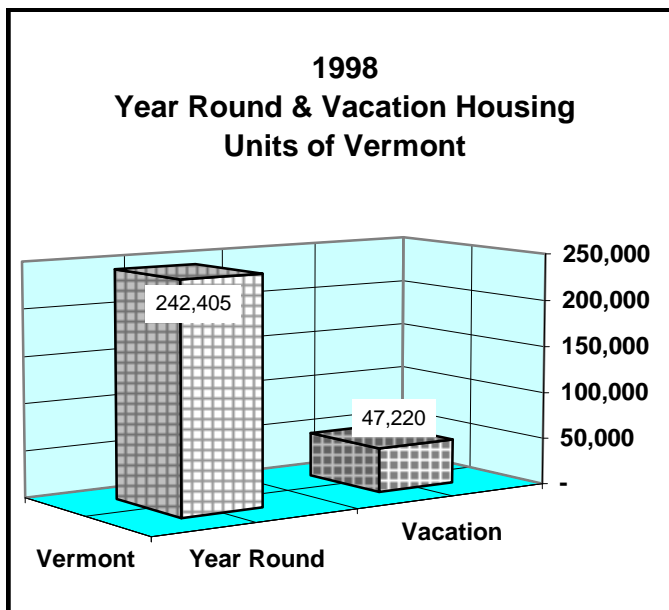


Table 18

Education Comparison: Caledonia County Towns & Schools						
Fiscal Year 2000 (July 1, 1999 to June 30, 2000)	Average Daily Membership 1/			School Spending PEP 2/	Above Block Spending PEP 2/	\$ Raised From Local Education Tax
	Elementary Count	Secondary Count	Total			
Vermont	54,226	48,971	103,198	\$ 6,481	\$ 1,448	\$ 133,064,374
Caledonia County	2,709	2,727	5,436	\$ 6,230	\$ 1,123	\$ 4,267,717
Barnet	152	192	344	\$ 6,901	\$ 1,759	\$ 716,517
Burke	145	145	290	\$ 6,179	\$ 1,079	\$ 240,688
Danville	217	183	399	\$ 6,242	\$ 1,108	\$ 340,088
Groton	82	84	166	\$ 7,027	\$ 1,960	\$ 257,900
Hardwick	343	290	633	\$ 6,406	\$ 1,369	\$ 306,016
Kirby	45	34	79	\$ 6,735	\$ 1,635	\$ 83,485
Lyndon	505	504	1,009	\$ 6,320	\$ 1,184	\$ 514,868
Newark	50	47	97	\$ 5,579	\$ 479	\$ 40,330
Peacham	69	74	143	\$ 6,565	\$ 1,465	\$ 223,419
Ryegate	100	114	214	\$ 7,022	\$ 1,836	\$ 500,338
St. Johnsbury	578	640	1,219	\$ 5,814	\$ 714	\$ 535,344
Sheffield	67	56	123	\$ 5,796	\$ 696	\$ 41,418
Stannard	15	29	44	\$ 5,742	\$ 709	\$ 10,854
Sutton	106	91	197	\$ 6,218	\$ 1,114	\$ 104,012
Walden	87	83	170	\$ 5,822	\$ 767	\$ 89,667
Waterford	89	99	188	\$ 6,098	\$ 944	\$ 219,650
Wheelock	59	63	122	\$ 5,775	\$ 702	\$ 43,123

Caledonia County High Schools (FY99)	Enrollment Grades 9-12	Drop Rate (3Yr. Ave.)	Student Teacher Ratio	SAT Verbal (mean)	SAT Math (mean)	College Bound
National Average		NA	NA	505	511	NA
Vermont	31,821	4.8%	12.3	514	506	60%
Danville Schools	157	2.0%	13.0	466	460	49%
Hazen	275	3.0%	12.7	515	469	58%
Lyndon Institute	646	4.3%	14.2	509	474	40%
St. Johnsbury Academy	905	7.6%	9.7	507	527	NA

1/ Based on enrollment at the beginning of the school year adjusted for transfers and death.

2/ PEP = Per Equalized Pupil. The State Support (block) grant was \$5100 per equalized pupil in SY99-2000.

Districts spending above \$5100 were considered "above block".

NA Not Available

Sources: Vermont Department of Education.

Table 19

Education Comparison: Essex County Towns & Schools						
Fiscal Year 2000 (July 1, 1999 to June 30, 2000)	Average Daily Membership 1/			School Spending PEP 2/	Above Block Spending PEP 2/	\$ Raised From Local Education Tax
	Elementary Count	Secondary Count	Total			
Vermont	54,226	48,971	103,198	\$ 6,481	\$ 1,448	\$ 133,064,374
Essex County	618	566	1,184	\$ 5,466	\$ 421	\$ 399,463
Bloomfield	33	25	58	\$ 5,100	\$ -	\$ -
Brighton	123	122	245	\$ 5,150	\$ 176	\$ 25,963
Brunswick	9	17	26	\$ 4,847	\$ -	\$ -
Canaan	111	108	220	\$ 5,511	\$ 411	\$ 57,315
Concord	103	85	188	\$ 6,889	\$ 1,762	\$ 276,737
East Haven	38	23	61	\$ 4,993	\$ -	\$ -
Granby	6	8	14	\$ 5,199	\$ 99	\$ 3,812
Guildhall	20	35	55	\$ 5,301	\$ 201	\$ 9,286
Lemington	9	5	14	\$ 4,951	\$ -	\$ -
Lunenburg	141	111	252	\$ 5,168	\$ 68	\$ 9,515
Maidstone	9	12	21	\$ 5,365	\$ 265	\$ 16,835
Norton	11	13	24	\$ 5,100	\$ -	\$ -
Victory	5	2	7	\$ 1,790	\$ -	\$ -

Essex County High Schools (FY99)	Enrollment Grades 9-12	Drop Rate (3Yr. Ave.)	Student Teacher Ratio	SAT Verbal (mean)	SAT Math (mean)	College Bound
National Average		NA	NA	505	511	NA
Vermont	31,821	4.8%	12.3	514	506	60%
Canaan	118	4.5%	12.1	456	452	43%
Concord	91	9.9%	9.8	443	407	46%

1/ Based on enrollment at the beginning of the school year adjusted for transfers and death.

2/ PEP = Per Equalized Pupil. The State Support (block) grant was \$5100 per equalized pupil in SY99-2000.

Districts spending above \$5100 were considered "above block".

NA Not Available

Sources: Vermont Department of Education.

Table 20

Education Comparison: Orleans County Towns & Schools						
Fiscal Year 2000 (July 1, 1999 to June 30, 2000)	Average Daily Membership 1/			School Spending PEP 2/	Above Block Spending PEP 2/	\$ Raised From Local Education Tax
	Elementary Count	Secondary Count	Total			
Vermont	54,226	48,971	103,198	\$ 6,481	\$ 1,448	\$ 133,064,374
Orleans County	2,351	2,171	4,522	\$ 5,960	\$ 941	\$ 3,492,816
Albany	79	69	148	\$ 7,946	\$ 2,748	\$ 275,643
Barton ID	167	173	340	\$ 6,189	\$ 1,109	\$ 230,903
Brownington	98	77	175	\$ 5,502	\$ 402	\$ 30,216
Charleston	99	77	176	\$ 5,550	\$ 660	\$ 75,877
Coventry	96	104	200	\$ 6,360	\$ 1,299	\$ 116,204
Craftsbury	89	72	161	\$ 7,380	\$ 2,329	\$ 344,124
Derby	455	411	865	\$ 5,576	\$ 598	\$ 334,434
Glover	64	75	139	\$ 6,277	\$ 1,183	\$ 164,690
Greensboro	58	60	118	\$ 6,900	\$ 1,784	\$ 615,841
Holland	72	63	135	\$ 5,291	\$ 291	\$ 22,059
Irasburg	109	102	211	\$ 5,935	\$ 821	\$ 93,665
Jay	48	35	83	\$ 6,308	\$ 1,065	\$ 151,127
Lowell	85	72	157	\$ 4,998	\$ 20	\$ 1,825
Morgan	74	55	129	\$ 5,571	\$ 501	\$ 83,938
Newport City	358	345	703	\$ 6,025	\$ 1,064	\$ 454,167
Newport Town	120	109	229	\$ 5,592	\$ 677	\$ 138,496
Orleans ID	97	70	167	\$ 6,103	\$ 973	\$ 89,677
Troy	134	147	281	\$ 5,676	\$ 751	\$ 131,678
Westfield	30	34	64	\$ 6,795	\$ 1,741	\$ 138,252
Westmore	17	22	39	\$ 5,038	\$ -	\$ -

Orleans County High Schools (FY99)	Enrollment Grades 9-12	Drop Rate (3Yr. Ave.)	Student Teacher Ratio	SAT Verbal (mean)	SAT Math (mean)	College Bound
National Average		NA	NA	505	511	NA
Vermont	31,821	4.8%	12.3	514	506	6040%
Craftsbury School	72	5.7%	8.9	551	529	50%
Lake Region	452	3.0%	13.0	503	483	32%
North Country	1,088	6.9%	13.1	481	488	36%

1/ Based on enrollment at the beginning of the school year adjusted for transfers and death.

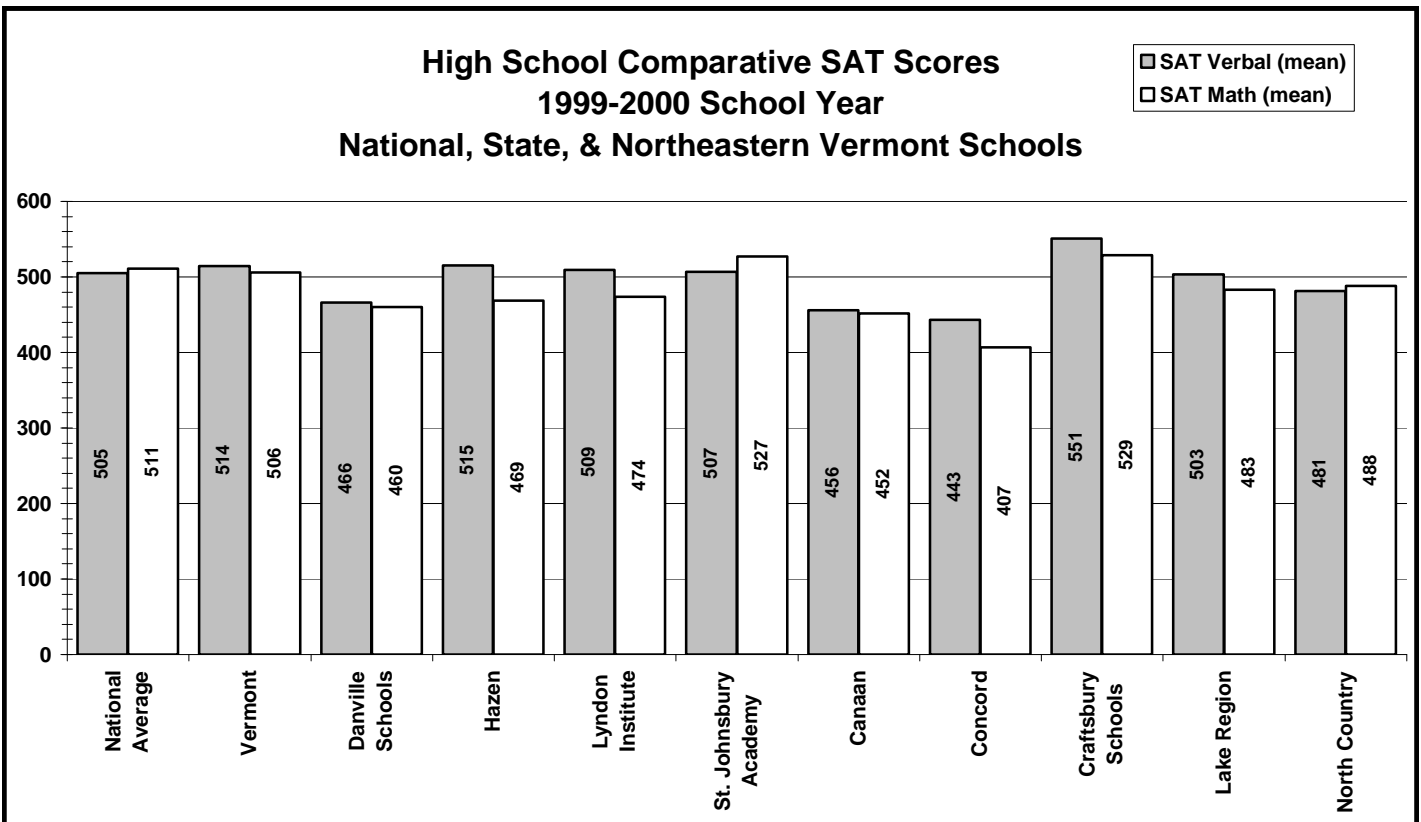
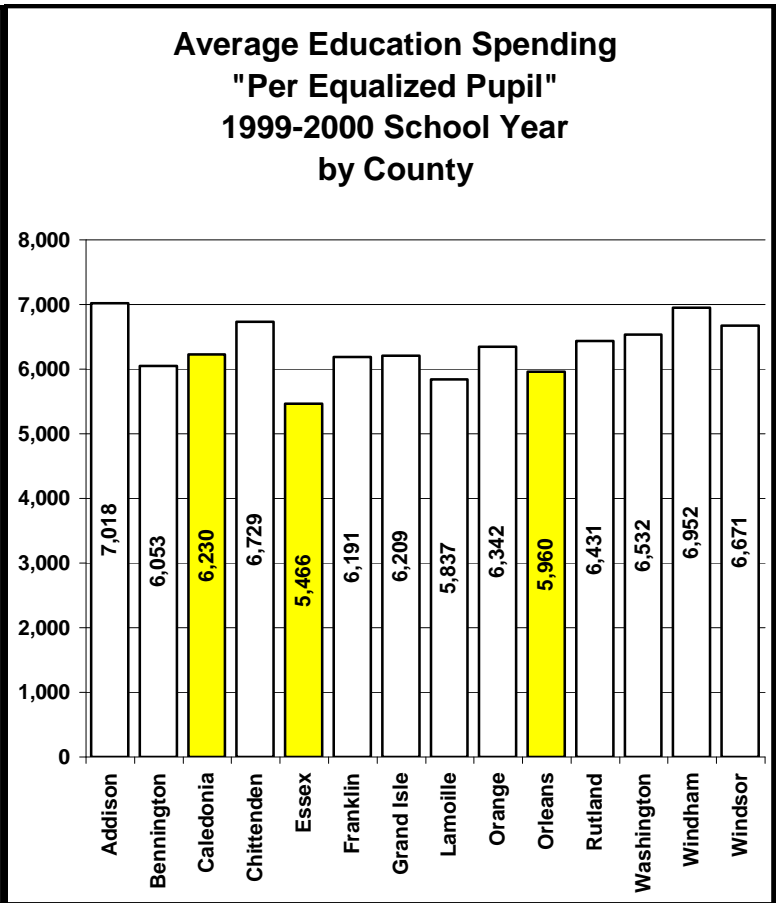
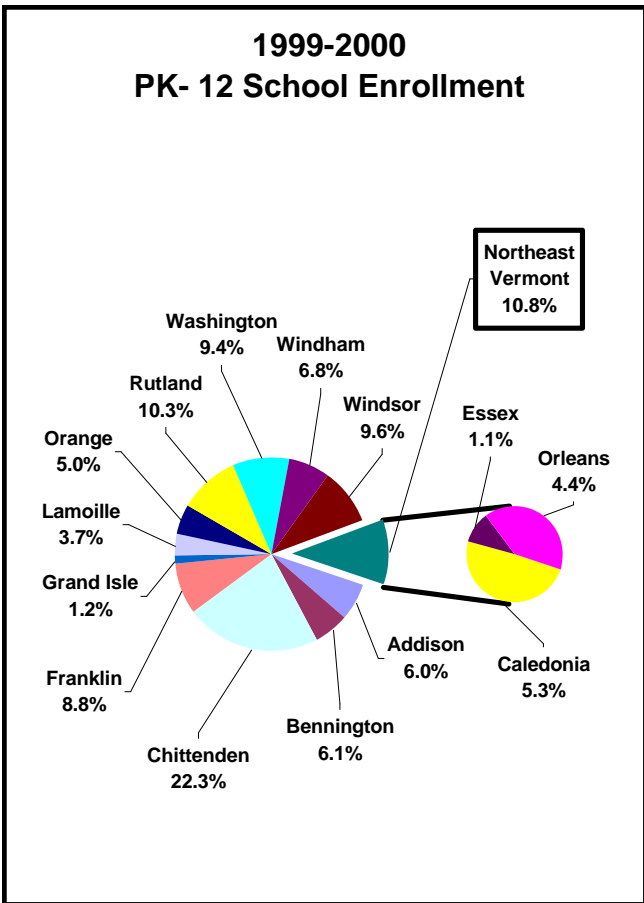
2/ PEP = Per Equalized Pupil. The State Support (block) grant was \$5100 per equalized pupil in SY99-2000.

Districts spending above \$5100 were considered "above block".

NA Not Available

Sources: Vermont Department of Education.

# Education Comparison: Vermont Counties & Northeastern Vermont Schools



# GLOSSARY

**AGE COHORT** is an age grouping that is an aggregate of sequential years of age. For example, one group might be all persons between the ages 5-14.

**ANFC or Aid to Needy Families with Children** is a program to provide assistance to economically disadvantaged families with children. The ANFC count as used in this report is an annual average based upon quarterly data and includes all members of qualifying families.

**ANNUAL AVERAGE WAGE** is the average wage paid by all firms covered under Vermont's unemployment compensation law. The average wage is computed by dividing the total wages paid during the year by the average employment.

**AVERAGE DAILY MEMBERSHIP (ADM)** of a school district is the average enrollment of pupils who are legal residents of the district attending public schools, or for whom the district must reimburse the Commissioner of Education.

**AVERAGE RESIDENTIAL VALUE** is the price for a particular class of real property (a dwelling with less than 6 acres) reported by the Department of Property Valuation and Review (PVR). PVR uses the listed values and property counts provided by municipalities which is not comparable to the equalized values reported in previous publications.

**COVERED EMPLOYMENT** in this publication includes the employment of both public and private employers covered by the unemployment compensation law. The data is gathered from reports submitted by employers each quarter and is aggregated into industries as defined by the 1987 Standard Industrial Classification Manual (SIC). The major groups of employers excluded from coverage are most agricultural production firms and the self-employed.

**EMPLOYMENT** in this publication is measured by both covered employment, which is based upon where the job is located, and by resident labor force, which is based upon where the worker resides. See other entries in this glossary for further information.

**EQUALIZED PUPIL** is a calculated measure as defined in state statute based on Average Daily Membership, and state-placed students, as weighted by factors such as secondary students, students' in poverty and students for whom English is not the primary language.

**FELONY** is generally any offense whose maximum term of imprisonment is more than two years. A judge can choose a maximum sentence less than two years for a statutory felony.

**FOOD STAMPS** are coupons used to purchase food items. The figures used are annual averages based upon quarterly data and includes all qualifying persons. Qualification is based on situation, certain resources, and income. The amount is determined by household size and food stamp net income. Stamps cannot be used for alcohol, cigarettes and household supplies.

## **GLOSSARY – (continued)**

**HIGH SCHOOL DROP RATE** is the percentage of students who leave high school during the school year and the preceding summer. Enrollment figures used in calculating this rate have been adjusted for transfers and deaths.

**MEDIAN ADJUSTED INCOME** is the Adjusted Gross Income reported for the median of all income tax returns filed from the school district as determined by the Vermont Department of Taxes.

**METROPOLITAN AREA** is an urban area that meets specific size criteria – either it has a city of at least 50,000 inhabitants within corporate limits, or it contains an urbanized area of at least 50,000 inhabitants and has a total population of at least 100,000.

**MISDEMEANOR** is generally any offense whose maximum term of imprisonment is up to two years.

**PER CAPITA INCOME** data for the state and counties is based upon estimates from the Bureau of Economic Analysis of the U.S. Department of Commerce.

**RESIDENT LABOR FORCE** data measures the labor force status of the area's residents who are 16 years of age or older. The residents may work for, look for work, or be unemployed from firms in areas other than where they reside. The estimates include agricultural workers, unpaid family members and the self-employed.

**SAT or SCHOLASTIC APTITUDE TEST** scores summarize information for high school seniors who took the test. The test is used by colleges as an indicator of how well a student will do in college.

**SCHOOL SPENDING** represents local education spending of funding from the General State Support Grant (\$5,010 in school year 1998-1999) and local education property tax. Spending from other local (tuition, gifts, etc.), state (Special Ed, Tech Ed, etc.) and Federal (Title I, Title II, etc.) sources are NOT included in this measure. The measure of school spending per equalized pupil (PEP) determines whether a district is spending "above block" or not.

**SEASONAL HOUSING** are units which are only available for occupancy during one specific season, e.g., a summer or hunting cabin.

**TAX RATE** is the effective, or "equalized" estimate of what the tax rate would be if all property was appraised at 100% of Fair Market Value.

**VACATION HOUSING** are units which are available for occupancy year round and for a portion of a year, but are not the principal residence of the occupant.

**YEAR-ROUND HOUSING** is the number of housing units available for year round occupancy - this would include housing that is lived in year round and housing used occasionally as a vacation home.