

Appendix I

Population and Growth Trends in the Roanoke River Basin

Population and Growth Trends

Below are three different ways of presenting population data for the Roanoke River basin. Population data presented by county allow for analysis of projected growth trends in the basin based on Office of State Planning information (April and May 2001). Data presented by municipality summarizes information on past growth of large urban areas in the basin. The data presented by subbasin allow for 2000 population data to be presented by subbasin. While the three different sets of information cannot be directly compared, general conclusions are apparent by looking at the information. Counties with the highest expected growth are associated with the largest municipal areas and the most densely populated subbasins in the basin.

County Population and Growth Trends

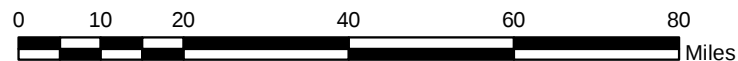
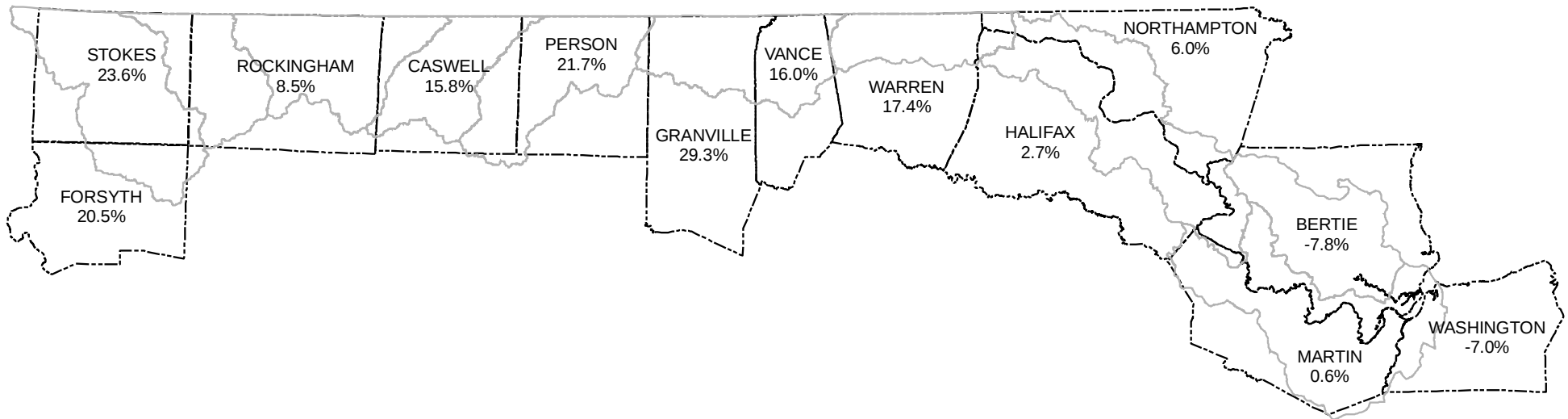
The following Table and map show the projected population for 2020 and the change in growth between 1990 and 2020 for counties that are wholly or partly contained within the basin. Since river basin boundaries do not coincide with county boundaries, these numbers are not directly applicable to the Roanoke River basin. This information is intended to present an estimate of expected population growth in counties that have some land area in the Roanoke River basin. For more information on past, current and projected population estimates, contact the Office of State Planning at (919) 733-4131 or visit their website at <http://demog.state.nc.us/>.

County	Percent of County in Basin ♦	1990 Population	2000 Population	Estimated % Growth 1990-2000	Estimated Population 2020	Estimated % Growth 2000-2020
Bertie	70	20,388	19,773	-3.1	18,347	-7.8
Caswell	90	20,662	23,501	12.1	27,918	15.8
Forsyth	21	265,855	306,067	13.1	385,079	20.5
Granville	33	38,341	48,498	20.9	68,600	29.3
Halifax	40	55,516	57,370	3.2	58,988	2.7
Martin	75	25,078	25,593	2.0	25,736	0.6
Northampton	35	21,004	22,086	4.9	23,507	6.0
Orange	2	93,662	118,227	20.8	166,971	29.2
Person	60	30,180	35,623	15.3	45,510	21.7
Rockingham	81	86,064	91,928	6.4	100,414	8.5
Stokes	85	37,224	44,711	16.7	58,515	23.6
Surry	3	61,704	71,219	13.4	88,596	19.6
Vance	52	38,892	42,954	9.5	51,151	16.0
Warren	38	17,265	19,972	13.6	24,183	17.4
Washington	13	13,997	13,723	-2.0	12,823	-7.0
Subtotals		825,832	941,245	12.3	1,156,338	18.6

♦ Source: North Carolina Center for Geographic Information and Analysis (CGIA), 1997.

Note: The numbers reported reflect county population; however, these counties are not entirely within the basin. The intent is to demonstrate growth for counties located wholly or partially within the basin.

Projected Population Growth (2000-2020) by County for the Roanoke River Basin in North Carolina



Municipal Population and Growth Trends

The Table below presents population data from Office of State Planning for municipalities with populations greater than 2,000 persons, located wholly or partly within the basin. These data represent 17 of the 42 municipalities in the basin.

Municipality	County	1980 Population	1990 Population	2000 Population	Percent Change (1980-90)	Percent Change (1990-2000)
Eden	Rockingham	15,672	15,238	15,908	-2.8	4.4
Henderson •	Vance	13,522	15,655	16,095	15.8	2.8
Kernersville •	Forsyth, Guilford	5,875	10,899	17,126	85.5	57.1
Madison	Rockingham	2,806	2,371	2,262	-15.5	-4.6
Mayodan	Rockingham	2,627	2,471	2,417	-5.9	-2.2
Plymouth	Washington	4,571	4,328	4,107	-5.3	-5.1
Reidsville •	Rockingham	12,492	12,183	14,485	-2.5	18.9
Roanoke Rapids	Halifax	14,702	15,722	16,957	6.9	7.9
Roxboro •	Person	7,532	7,332	8,696	-2.7	18.6
Rural Hall •	Forsyth	1,336	1,652	2,464	23.7	49.2
Scotland Neck •	Halifax	2,834	2,575	2,362	-9.1	-8.3
Stokesdale •	Guilford	1,973	2,134	3,267	8.2	53.1
Walkertown •	Forsyth	1,321	1,200	4,009	-9.2	234.1
Wentworth	Rockingham	----	1,989	2,779	----	39.7
Williamston	Martin	6,159	5,503	5,843	-10.7	6.2
Windsor	Bertie	2,126	2,209	2,283	3.9	3.3
Yanceyville	Caswell	1,869	1,973	2,091	5.6	6.0

- - The numbers reported reflect municipality population; however, these municipalities are not entirely within the basin. The intent is to demonstrate growth for municipalities located wholly or partially within the basin.

Basin Population and Population Density

Information on population density at a watershed scale is useful in determining what streams are likely to have the most impacts as a result of population growth. This information is also useful in identifying stream segments that have good opportunities for preservation or restoration. This information is presented to estimate population and population density by each subbasin and for the entire basin. It is assumed that county populations are distributed evenly throughout each county; therefore, subbasins that are within counties with large urban areas may overestimate the actual population in that portion of the basin. The overall population of the basin based on 2000 Census data is 344,638 with approximately 98 persons/square mile. Population density estimated by subbasin is presented in the following map.

