POPULATION COUNTS AND NON-ADJUSTED PROJECTIONS 1980 TO 2040
FOR ORANGE COUNTY TOWNSHIPS AND MUNICIPALITIES
Prepared by the Orange County Planning and Inspections Department, February 2002
Updated 6/21/05 - Using Corrected 2000 Census Data

The population projections contained herein are based strictly on previous mathematical growth rates, and do not include adjustments for amount of developable land; economic trends or conditions; current land use policies; and/or other similar factors. The constraints of land and policy on projected populations will be factored in as coordinated land use conditions and policies unfold.

TOWNSHIP	POPULATION[1]			AVG 10-YEAR GROWTH RATE[2]	POPULATION PROJECTIONS[3]			
Municipality	1980	1990	2000		2010	2020	2030	2040
BINGHAM	3,954	5,184	6,181	0.250	7,726	9,658	12,073	15,091
CEDAR GROVE	3,166	3,691	4,930	0.255	6,187	7,765	9,745	12,230
CHAPEL HILL	50,572	61,973	76,578	0.235	94,574	116,799	144,247	178,144
Town of Carrboro	7,517	12,134	16,782	0.499	23,210	34,783	52,127	78,119
Town of Chapel Hill[4]	32,038	37,596	44,102	0.173	51,743	60,708	71,226	83,567
Unincorporated	11,017	12,243	15,694	0.197	19,620	21,307	20,893	16,458
CHEEKS	4,821	5,422	7,064	0.210	8,547	10,342	12,514	15,142
City of Mebane[4]	379	485	675	0.336	902	1,204	1,607	2,147
Unincorporated	4,442	4,937	6,389	0.203	7,646	9,139	10,907	12,995
ENO	4,450	5,262	6,092	0.170	7,128	8,340	9,758	11,417
HILLSBOROUGH	8,599	10,136	11,639	0.165	13,559	15,796	18,402	21,439
Town of Hillsborough	3,019	4,263	5,446	0.345	7,324	9,848	13,243	17,809
Unincorporated	5,580	5,873	6,193	0.053	6,236	5,948	5,159	3,630
LITTLE RIVER	1,493	2,183	3,047	0.430	4,357	6,231	8,910	12,742
TOTAL COUNTY	77,055	93,851	115,531	N/A	142,079	174,931	215,649	266,205

Notes and Sources:

1 The Population figures for 1980, 1990, and 2000 are from the US Census.

2 The Average 10-Year Growth Rate is the average between the 1980 to 1990 and 1990 to 2000 growth rates.

3 The Township and Municipality Population Projections for 2010 to 2040 are based upon the population figure for the previous timeframe multipled by the Average 10-Year Growth Rate, which is the growth figure. The growth figure is then added to the previous timeframe figure to get the projected population (i.e. for Bingham Township from 2000 to 2010: 6181 x .250 = 1545; 1545 + 6181 = 7726). The Population Projections for the Unincorporated areas in Townships with Municipalities was determined by subtracting the Municipal populations from the total population for the Township. The Population Projections for the County from 2010 to 2040 are based upon the sum of the population figures for each of the Townships.

4 For the municipalities, only the portions within Orange County are included. The Town of Chapel Hill's population figures do not include portions in Durham County, and the City Mebane's population figures do not include the portions in Alamance County.

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SUPPORTING DOCUMENTATION

TOWNSHIP	POPULATION			10-YEAR GROWTH RATES		
	1980	1990	2000	1980-1990	1990-2000	AVERAGE
Bingham	3,954	5,184	6,181	0.31	0.19	0.250
Cedar Grove	3,166	3,691	4,930	0.17	0.34	0.255
Chapel Hill	50,572	61,973	76,578	0.23	0.24	0.235
Cheeks	4,821	5,422	7,064	0.12	0.30	0.210
Eno	4,450	5,262	6,092	0.18	0.16	0.170
Hillsborough	8,599	10,136	11,639	0.18	0.15	0.165
Little River	1,493	2,183	3,047	0.46	0.40	0.430
TOTAL COUNTY	77,055	93,851	115,531	0.22	0.23	0.225

MUNICIPALITY	POPULATION			10-YEAR GROWTH RATES		
	1980	1990	2000	1980-1990	1990-2000	AVERAGE
Town of Carrboro	7,517	12,134	16,782	0.614	0.383	0.499
Town of Chapel Hill	32,038	37,596	44,102	0.173	0.173	0.173
City of Mebane	379	485	675	0.280	0.392	0.336
Town of Hillsborough	3,019	4,263	5,446	0.412	0.278	0.345

Notes and Sources:

-- The Population figures for 1980, 1990, and 2000 are from the US Census.

-- The Average 10-Year Growth Rate is the average between the 1980 to 1990 and 1990 to 2000 growth rates.

TOWNSHIP	POPULATION PROJECTIONS						
	2010	GROWTH 2010-20	2020	GROWTH 2020-30	2030	GROWTH 2030-40	2040
Bingham	7,726	1,932	9,658	2,415	12,073	3,018	15,091
Cedar Grove	6,187	1,578	7,765	1,980	9,745	2,485	12,230
Chapel Hill	94,574	22,225	116,799	27,448	144,247	33,898	178,144
Cheeks	8,547	1,795	10,342	2,172	12,514	2,628	15,142
Eno	7,128	1,212	8,340	1,418	9,758	1,659	11,417
Hillsborough	13,559	2,237	15,796	2,606	18,402	3,036	21,439
Little River	4,357	1,874	6,231	2,679	8,910	3,831	12,742
TOTAL COUNTY	142,079	32,852	174,931	40,718	215,649	50,556	266,205

MUNICIPALITY	POPULATION PROJECTIONS						
	2010	GROWTH 2010-20	2020	GROWTH 2020-30	2030	GROWTH 2030-40	2040
Town of Carrboro	23,210	11,573	34,783	17,344	52,127	25,992	78,119
Town of Chapel Hill	51,743	8,965	60,708	10,519	71,226	12,341	83,567
City of Mebane	902	303	1,204	404	1,607	540	2,147
Town of Hillsborough	7,324	2,525	9,848	3,395	13,243	4,566	17,809

Notes and Sources:

-- The Population Projections for 2010 to 2040 are based upon the population figure for the previous timeframe multipled by the Average 10-Year Growth Rate, which is the growth figure. The growth figure is then added to the previous timeframe figure to get the projected population (i.e. for Bingham Township from 2000 to 2010: 6181 x .250 = 1545; 1545 + 6181 = 7726). The Population Projections for the County from 2010 to 2040 are based upon the sum of the population figures for each of the Townships.

Linear Population Projections based on 1980-2000 Census:

TOWNSHIP Municipality	POPULATION			Average Increment	POPULATION PROJECTIONS			
	1980	1990	2000		2010	2020	2030	2040
BINGHAM	3,954	5,184	6,181	1,114	7,295	8,409	9,523	10,637
CEDAR GROVE	3,166	3,691	4,930	882	5,812	6,694	7,576	8,458
CHAPEL HILL	50,572	61,973	76,578	13,003	89,581	102,584	115,587	128,590
Town of Carrboro	7,517	12,134	16,782	4,633	21,415	26,048	30,681	35,314
Town of Chapel Hill	32,038	37,596	44,102	6,032	50,134	56,166	62,198	68,230
Unincorporated	11,017	12,243	15,694	2,339	18,033	20,372	22,711	25,050
CHEEKS	4,821	5,422	7,064	1,122	8,186	9,308	10,430	11,552
City of Mebane	379	485	675	148	823	971	1,119	1,267
Unincorporated	4,442	4,937	6,389	974	7,363	8,337	9,311	10,285
ENO	4,450	5,262	6,092	821	6,913	7,734	8,555	9,376
HILLSBOROUGH	8,599	10,136	11,639	1,520	13,159	14,679	16,199	17,719
Town of Hillsborough	3,019	4,263	5,446	1,214	6,660	7,874	9,088	10,302
Unincorporated	5,580	5,873	6,193	307	6,500	6,807	7,114	7,421
LITTLE RIVER	1,493	2,183	3,047	777	3,824	4,601	5,378	6,155
TOTAL COUNTY	77,055	93,851	115,531	19,239	134,770	154,009	173,248	192,487
Total Incorporated	42,953	54,478	67,005	12,027	79,032	91,059	103,086	115,113
Total Unincorporated	34,102	39,373	48,526	7,214	55,740	62,954	70,168	77,382

NOTE: Durham City comprises two small areas of Orange County, one each in Eno and Chapel Hill Townships. The total population of both areas is 39 people. These people were included in their respective township totals.

Linear methodology:
Formula: $Pt + n = Pt + bn$
    where Pt = population in base year t;
          $Pt+n$ = projected population size at a future year, n units of time beyond base year t;
          b = average increment of change in population size per unit of time; and
          n = the number of time periods beyond base year t
The average increments were obtained by substracting 1980 from 1990 and 1990 from 2000 and dividing the sum by 2.
Example: ((1990-1980) + (2000-1990))/2.   The projections were done by adding the average increment to the 2000 data and multiplying the result by the difference in the projection year and the most recent year of data, then dividing that result by 10 (10 year projection increments). Example Little River: (3047 + 777) * ((2010-2000)/10)
Methodology taken from URBAN LAND USE PLANNING, Fourth Edition (p.125) County Planning library.

Note: The 2000 population numbers for the Town of Chapel Hill, Chapel Hill Twp and Orange County have been corrected by the U.S. Census Bureau. This worksheet reflects those changes.