

Population Projections of Louisiana Parishes through 2030

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Introduction

This report summarizes the general findings of the Louisiana Parish Population Projections Series, 2010-2030 developed for the State of Louisiana (Office of Electronic Services, Division of Administration) by Louisiana State University. These are projections of the population by age (five year categories through age 85), race (white, African American/black, and other), and sex for Louisiana Parishes between 2010-2030. The race category 'other' includes Asian or Pacific Islanders and North American Indian or Eskimo. All reported population projections are rounded to the nearest ten persons and any projected population containing less than 5 persons is rounded to zero. For these projections, the 2005 estimated population for each parish is projected forward in five-year intervals through 2030. A technical description of the projection methodology appears at the end of this report.

The projections are designed to present three population scenarios¹. Each scenario depicts a different assumption regarding migration patterns by age, race, and sex. These scenarios include:

- 1) 2000-2005 Net Migration Scenario (Middle Series)-In this scenario, the observed rate of migration between 2000-2005 is assumed to remain constant through 2030.
- 2) Half (.5) 2000-2005 Net Migration Scenario (Low Migration Series)-In this scenario, the rate of migration through 2030 is assumed to be one-half (.5) of the 2000-2005 migration rate.
- 3) One and One-Half (1.5) 2000-2005 Net Migration Scenario (High Migration Series)-In this scenario, the rate of migration through 2030 is assumed to be one and one-half (1.5) times that of the 2000-2005 migration rate.

For all three scenarios, rates of birth and death are held constant between 2010 and 2030. Rates of birth and death are based on vital statistics data from 2000-2004.

A central issue in projecting the population of Louisiana Parishes is the effect of the storms of 2005. Hurricanes Katrina and Rita generated one of the largest population events in U.S. history. Between July 1, 2005 and July 1, 2006, the U.S. Census Bureau estimates that the population of Louisiana experienced a net decrease of 252,382 persons. This presents an important methodological difficulty because the July 1, 2005 population estimate would yield incorrect projections if used as a baseline population. To address this issue, I developed a methodology that utilizes the most current population estimates from the U.S. Census Bureau (July 1, 2007 as of the writing of this report). The details of this technique are described in a special technical note on adjusting for hurricane related population turbulence.

¹ Note that projections for Orleans, Jefferson, and St. Bernard Parishes utilize net migration rates derived from the 2006-2007 population estimates to account for repopulation of these parishes. All other parishes are projected using 2000-2005 net migration rates. See the section entitled, "Adjusting for the 2005 Storm Related Population Turbulence", for further details.

Guidelines for Using Population Projections

On January 13th, 2009 the U.S. Census Bureau accepted challenges by Orleans, Jefferson, and St. Bernard Parishes to the 2007 Parish Population Estimates (see: http://www.census.gov/popest/archives/2000s/vintage_2007/07s_challenges.html). The revised estimates for these parishes added 13,613 persons to St. Bernard, 48,989 to Orleans, and 16,819 to Jefferson. In total, these adjustments resulted in an additional 79,421 persons to Louisiana's total population in 2007. These revisions by the U.S. Census Bureau have not been incorporated in this projection series because revised 2007 parish estimates data by age, race, and sex needed to project the population will not be available until the next parish population estimate release in August, 2009. Because of this revision users are advised to follow these guidelines:

- 1) When utilizing projections for Orleans Parish, Jefferson Parish, St. Bernard Parish, and the total Louisiana population, the user should use the "High Series" as the recommended population scenario through 2020. For 2025 and 2030, the user is encouraged to use the "Medium" series.
- 2) For the remaining Louisiana parishes, the user is encouraged to utilize the "Middle Series" as the recommended population scenario through 2030. Users should carefully assess past and current population trends for a given parish before using the "High" or "Low" series as a likely population scenario for planning purposes. The "Low" and "High" series provide the user with the necessary information to evaluate what population changes may occur given a marked increase or decrease in net migration.

Summary Population Trends for Louisiana, 2005-2030

Key state and parish level trends derived from detailed projections by age, race, and sex are summarized below. The summaries focus on total population trends, racial diversity, and age composition at the state level. The parish level highlights include the top five growth parishes between 2005-2010 and 2010-2020.

The Enduring Impact of Hurricanes Katrina and Rita on the State Population

At the state level, the Louisiana population exhibits a number of important trends. The Louisiana population is projected to reach 4.37 million persons by 2010. This number is slightly below the estimated population for Louisiana reported by the U.S. Census Bureau in the July 1, 2005 (4.51 million residents). This disparity was generated exclusively by the storms of 2005. A large portion of the repopulation will have occurred between 2006 and 2010. Between July 1, 2006 and July 1, 2010, Louisiana will add nearly 130,000 persons. Based on the assumptions utilized in this projection series, the Louisiana population is projected to reach pre-storm levels in the five year interval between 2015 and 2020.

Continued Racial Diversity

The Louisiana population has contained a great deal of racial diversity. Like all of the Gulf Coast states, Louisiana contains a substantial Nonwhite population. In 2010, Louisiana's population is projected to be 64.8% white, 32.4% African American/black, and 2.8% other race. This pattern is projected to remain stable through 2020. An interesting finding derived from these projections is that the race distribution of Louisiana was not substantially impacted by the storms of 2005. The 2005 race distribution (64.4% white, 33.3% African American/black, and 2.2% other race) mirrors that of the projected population for 2010.²

The Projected Retirement Aged Population

Given the transition of the baby boom generation into the retirement ages, researchers and policy makers have become increasingly interested in the projected size of the population age 65 and older. This is not surprising that a variety of public programs are directed to retirement aged population and the size of this population influences public expenditures at the federal and state level. Between 2005 and 2010, the percentage of persons aged 65 and older will increase slightly from 11.8% to 12.5%. In 2010, a projected 546,140 Louisiana residents will be aged 65 and older. By 2020, this number will have grown to 700,360 and will represent 15.2% of the population. By 2030, a projected 847,200 retirement aged persons will live in Louisiana and account for 17.6% of the population. Thus, assuming no major change in the migration assumptions used in this projection, the percentage of retirement aged Louisiana residents between 2010 and 2030 will grow by 5%.

High Growth Parishes

Louisiana parishes have experienced diverse trends in population change, some of which have been deeply influenced by the storms of 2005. From 2005 to 2010, the top five projected growth parishes are located in the Baton Rouge and New Orleans metropolitan areas. These parishes include: Ascension, Livingston, St. Tammany, Tangipahoa, and St. John the Baptist. Ascension, Livingston, St. Tammany, and Tangipahoa experienced high rates of growth from 2000-2005 and experienced an accelerated growth pattern from population shifts generated by the storms of 2005. Between 2010 and 2020, the top five projected fastest growing parishes include: Livingston, St. Tammany, Ascension, St. John the Baptist, and Plaquemines. Regionally, these trends suggest that South Louisiana will be the fastest growing region of the state.

State and Parish Summary Data Tables 2005-2030

² Note that this projection series does not differentiate racial projections by Hispanic or Nonhispanic ethnicity. Across the U.S., the Hispanic white population is one of the fastest growing population segments. It is feasible that labor demand created by the storms of 2005 may have accelerated the growth of this population in the state. Future projections for Louisiana should incorporate this dimension into race specific projections.

Summary tables containing the July 1, 2005 Population Estimates and 2010-2030 population projections for the Louisiana population are reported at the state and parish level in Tables 1 through 6. Projection summaries are created for the total population (Table 1), for males and females (Tables 2 and 3), and by race (Tables 4 through 6).

Table 1. Projected Total Population for Louisiana Parishes

FIPS	PARISH	Total Population					
		2005	2010	2015	2020	2025	2030
22000	Louisiana	4,510,170	4,369,760	4,477,680	4,588,310	4,699,260	4,813,420
22001	Acadia	59,280	59,860	60,140	60,200	59,950	59,590
22003	Allen	25,330	25,900	25,640	25,330	25,030	24,640
22005	Ascension	90,450	109,030	127,290	147,740	170,760	196,140
22007	Assumption	23,130	22,850	22,400	21,840	21,140	20,250
22009	Avoyelles	41,880	42,260	42,550	42,630	42,480	42,380
22011	Beauregard	34,570	36,360	38,160	39,900	41,450	42,770
22013	Bienville	15,200	14,820	14,380	14,100	13,680	13,450
22015	Bossier	105,430	112,470	119,660	126,780	134,010	141,350
22017	Caddo	250,470	247,970	244,650	240,880	236,610	231,790
22019	Calcasieu	184,730	185,400	184,990	183,740	181,900	179,420
22021	Caldwell	10,610	10,730	10,770	10,810	10,770	10,880
22023	Cameron	9,610	7,230	6,990	6,660	6,210	5,760
22025	Catahoula	10,500	9,920	9,400	8,840	8,290	7,720
22027	Claiborne	16,190	15,680	15,190	14,630	14,030	13,350
22029	Concordia	19,260	18,220	17,160	16,120	15,020	13,930
22031	DeSoto	26,390	27,640	29,010	30,390	31,670	33,020
22033	East Baton Rouge	409,870	433,700	429,170	426,380	424,110	421,500
22035	East Carroll	8,790	8,210	7,600	7,000	6,480	5,960
22037	East Feliciana	20,700	20,040	19,280	18,610	17,830	17,060
22039	Evangeline	35,520	35,750	36,010	36,040	35,950	35,800
22041	Franklin	20,390	19,460	18,450	17,490	16,440	15,460
22043	Grant	19,510	20,460	21,410	22,440	23,360	24,110
22045	Iberia	74,320	75,340	75,990	76,150	75,930	75,450
22047	Iberville	32,190	30,830	29,350	27,830	26,280	24,640
22049	Jackson	15,080	14,720	14,350	13,940	13,470	13,020
22051	Jefferson	451,110	436,430	444,120	450,200	453,540	454,670
22053	Jefferson Davis	31,240	31,110	30,790	30,400	29,830	29,190
22055	Lafayette	196,700	208,700	213,040	216,520	219,380	221,600
22057	Lafourche	91,960	93,740	95,160	95,990	96,310	95,990
22059	LaSalle	14,010	13,770	13,490	13,180	12,850	12,430
22061	Lincoln	41,990	41,250	40,620	40,290	40,420	40,830
22063	Livingston	109,030	129,420	152,990	179,820	209,730	242,780
22065	Madison	12,510	11,430	10,470	9,600	8,860	8,230
22067	Morehouse	29,940	28,770	27,500	26,190	24,830	23,510
22069	Natchitoches	38,380	37,350	36,400	35,610	34,920	34,170
22071	Orleans	452,230	247,580	252,870	255,440	256,000	256,010

Table 1 (Continued). Projected Total Population for Louisiana Parishes

FIPS	PARISH	Total Population					
		2005	2010	2015	2020	2025	2030
22000	Louisiana	4,510,170	4,369,760	4,477,680	4,588,310	4,699,260	4,813,420
22073	Ouachita	147,820	147,480	146,240	144,600	142,600	140,120
22075	Plaquemines	28,970	22,440	24,090	25,770	27,460	29,130
22077	Point Coupee	22,330	22,240	21,560	20,920	20,130	19,380
22079	Rapides	127,990	129,520	130,560	131,090	131,050	130,730
22081	Red River	9,450	9,330	9,220	9,170	9,060	8,890
22083	Richland	20,430	19,840	19,260	18,660	18,110	17,460
22085	Sabine	23,780	24,270	24,840	25,630	26,380	27,300
22087	St. Bernard	65,240	20,870	21,760	22,210	22,410	22,480
22089	St. Charles	50,600	53,780	56,050	57,930	59,540	60,580
22091	St. Helena	10,160	10,390	10,030	9,570	9,060	8,610
22093	St. James	21,020	21,410	21,220	20,830	20,310	19,670
22095	St. John the Baptist	46,230	49,800	53,540	57,410	61,260	65,110
22097	St. Landry	89,720	92,610	94,420	95,890	97,060	98,080
22099	St. Martin	50,270	52,780	54,250	55,520	56,390	57,000
22101	St. Mary	51,290	49,400	47,410	45,230	42,870	40,390
22103	St. Tammany	219,870	246,910	288,710	338,300	395,210	459,160
22105	Tangipahoa	106,180	111,730	116,990	121,950	126,740	131,350
22107	Tensas	6,180	5,660	5,200	4,760	4,340	3,990
22109	Terrebonne	107,200	118,890	122,560	124,410	125,140	125,210
22111	Union	22,890	22,850	22,880	22,750	22,610	22,540
22113	Vermillion	55,300	56,730	58,000	58,930	59,650	60,150
22115	Vernon	48,580	46,650	43,580	41,510	39,800	38,190
22117	Washington	44,340	44,790	45,200	45,510	45,780	45,940
22119	Webster	41,170	40,680	39,990	39,170	38,200	37,190
22121	West Baton Rouge	21,620	22,720	22,540	22,220	21,670	21,070
22123	West Carroll	11,840	11,300	10,750	10,310	9,800	9,190
22125	West Feliciana	15,220	15,260	15,250	15,120	14,820	14,260
22127	Winn	15,980	15,030	14,140	13,230	12,290	11,400

Table 2. Projected Male Population for Louisiana Parishes

FIPS	PARISH	2005	2010	2015	2020	2025	2030
22000	Louisiana	2,188,570	2,124,100	2,179,500	2,234,840	2,289,730	2,345,760
22001	Acadia	28,660	28,950	29,030	29,050	28,870	28,640
22003	Allen	14,130	14,580	14,370	14,100	13,840	13,540
22005	Ascension	44,640	53,870	63,050	73,360	84,980	97,840
22007	Assumption	11,200	11,090	10,860	10,570	10,220	9,760
22009	Avoyelles	20,640	20,860	21,010	21,010	20,950	20,850
22011	Beauregard	17,420	18,360	19,310	20,210	21,010	21,690
22013	Bienville	7,310	7,140	6,940	6,840	6,660	6,530
22015	Bossier	51,780	55,130	58,640	62,100	65,540	68,950
22017	Caddo	118,870	118,110	116,840	115,230	113,340	111,110
22019	Calcasieu	90,030	90,360	90,180	89,510	88,490	87,190
22021	Caldwell	5,350	5,410	5,410	5,410	5,390	5,370
22023	Cameron	4,870	3,670	3,570	3,400	3,170	2,930
22025	Catahoula	5,290	4,970	4,720	4,430	4,160	3,870
22027	Claiborne	8,170	7,970	7,770	7,520	7,200	6,860
22029	Concordia	9,460	8,970	8,460	7,930	7,420	6,880
22031	DeSoto	12,570	13,220	13,920	14,560	15,240	15,870
22033	East Baton Rouge	196,880	209,230	207,080	205,440	204,020	202,540
22035	East Carroll	4,510	4,230	3,930	3,620	3,370	3,130
22037	East Feliciana	11,050	10,550	10,020	9,580	9,090	8,630
22039	Evangeline	17,780	17,940	18,080	18,060	18,030	17,960
22041	Franklin	9,690	9,230	8,730	8,250	7,720	7,250
22043	Grant	9,560	10,050	10,570	11,090	11,570	11,950
22045	Iberia	35,820	36,330	36,640	36,700	36,550	36,220
22047	Iberville	16,050	15,350	14,550	13,770	12,950	12,070
22049	Jackson	7,220	7,020	6,860	6,650	6,410	6,180
22051	Jefferson	216,580	208,290	211,880	214,460	215,680	215,820
22053	Jefferson Davis	14,990	14,900	14,710	14,490	14,180	13,850
22055	Lafayette	95,920	102,190	104,560	106,410	107,760	108,780
22057	Lafourche	44,770	45,540	46,110	46,420	46,380	46,090
22059	LaSalle	7,050	6,970	6,820	6,690	6,560	6,310
22061	Lincoln	20,520	20,240	19,950	19,850	19,950	20,170
22063	Livingston	54,010	63,930	75,630	88,910	103,690	119,990
22065	Madison	6,070	5,420	4,850	4,350	3,910	3,500
22067	Morehouse	14,320	13,730	13,110	12,490	11,770	11,120
22069	Natchitoches	18,330	17,820	17,330	16,870	16,510	16,120
22071	Orleans	212,210	115,420	118,290	119,620	119,980	120,130

Table 2 (Continued). Projected Male Population for Louisiana Parishes

FIPS	PARISH	2005	2010	2015	2020	2025	2030
22000	Louisiana	2,188,570	2,124,100	2,179,500	2,234,840	2,289,730	2,345,760
22073	Ouachita	70,180	70,390	70,050	69,450	68,570	67,490
22075	Plaquemines	14,500	11,360	12,170	13,030	13,810	14,630
22077	Point Coupee	10,830	10,780	10,450	10,140	9,720	9,330
22079	Rapides	61,540	62,510	63,190	63,600	63,670	63,600
22081	Red River	4,480	4,460	4,460	4,440	4,440	4,370
22083	Richland	9,580	9,320	9,060	8,780	8,520	8,210
22085	Sabine	11,690	11,890	12,150	12,540	12,900	13,300
22087	St. Bernard	31,670	9,890	10,350	10,580	10,690	10,710
22089	St. Charles	24,790	26,420	27,670	28,670	29,570	30,170
22091	St. Helena	4,930	5,010	4,890	4,660	4,450	4,240
22093	St. James	10,160	10,410	10,370	10,200	9,930	9,680
22095	St. John the Baptist	22,450	24,230	26,080	27,920	29,750	31,570
22097	St. Landry	43,020	44,530	45,510	46,310	46,900	47,460
22099	St. Martin	24,770	26,040	26,820	27,500	27,960	28,300
22101	St. Mary	24,980	23,990	22,920	21,810	20,600	19,290
22103	St. Tammany	108,210	121,510	142,900	168,270	197,310	229,940
22105	Tangipahoa	51,430	54,310	56,970	59,490	61,800	64,100
22107	Tensas	3,150	2,880	2,680	2,460	2,270	2,110
22109	Terrebonne	52,780	57,730	59,630	60,660	61,130	61,260
22111	Union	11,160	11,120	11,140	11,060	10,970	10,940
22113	Vermillion	26,860	27,570	28,190	28,630	28,920	29,110
22115	Vernon	25,130	24,200	22,500	21,390	20,470	19,440
22117	Washington	21,730	21,980	22,250	22,410	22,560	22,620
22119	Webster	19,830	19,690	19,390	19,030	18,630	18,180
22121	West Baton Rouge	10,640	11,190	11,150	11,020	10,770	10,480
22123	West Carroll	5,990	5,730	5,470	5,200	4,970	4,620
22125	West Feliciana	9,950	9,960	9,840	9,650	9,420	8,950
22127	Winn	8,420	7,960	7,470	6,990	6,470	5,970

Table 3. Projected Female Population for Louisiana Parishes

FIPS	PARISH	2005	2010	2015	2020	2025	2030
22000	Louisiana	2,321,600	2,245,660	2,298,180	2,353,470	2,409,530	2,467,660
22001	Acadia	30,620	30,910	31,110	31,150	31,080	30,950
22003	Allen	11,200	11,320	11,270	11,230	11,190	11,100
22005	Ascension	45,810	55,160	64,240	74,380	85,780	98,300
22007	Assumption	11,930	11,760	11,540	11,270	10,920	10,490
22009	Avoyelles	21,240	21,400	21,540	21,620	21,530	21,530
22011	Beauregard	17,150	18,000	18,850	19,690	20,440	21,080
22013	Bienville	7,890	7,680	7,440	7,260	7,020	6,920
22015	Bossier	53,650	57,340	61,020	64,680	68,470	72,400
22017	Caddo	131,600	129,860	127,810	125,650	123,270	120,680
22019	Calcasieu	94,700	95,040	94,810	94,230	93,410	92,230
22021	Caldwell	5,260	5,320	5,360	5,400	5,380	5,510
22023	Cameron	4,740	3,560	3,420	3,260	3,040	2,830
22025	Catahoula	5,210	4,950	4,680	4,410	4,130	3,850
22027	Claiborne	8,020	7,710	7,420	7,110	6,830	6,490
22029	Concordia	9,800	9,250	8,700	8,190	7,600	7,050
22031	DeSoto	13,820	14,420	15,090	15,830	16,430	17,150
22033	East Baton Rouge	212,990	224,470	222,090	220,940	220,090	218,960
22035	East Carroll	4,280	3,980	3,670	3,380	3,110	2,830
22037	East Feliciana	9,650	9,490	9,260	9,030	8,740	8,430
22039	Evangeline	17,740	17,810	17,930	17,980	17,920	17,840
22041	Franklin	10,700	10,230	9,720	9,240	8,720	8,210
22043	Grant	9,950	10,410	10,840	11,350	11,790	12,160
22045	Iberia	38,500	39,010	39,350	39,450	39,380	39,230
22047	Iberville	16,140	15,480	14,800	14,060	13,330	12,570
22049	Jackson	7,860	7,700	7,490	7,290	7,060	6,840
22051	Jefferson	234,530	228,140	232,240	235,740	237,860	238,850
22053	Jefferson Davis	16,250	16,210	16,080	15,910	15,650	15,340
22055	Lafayette	100,780	106,510	108,480	110,110	111,620	112,820
22057	Lafourche	47,190	48,200	49,050	49,570	49,930	49,900
22059	LaSalle	6,960	6,800	6,670	6,490	6,290	6,120
22061	Lincoln	21,470	21,010	20,670	20,440	20,470	20,660
22063	Livingston	55,020	65,490	77,360	90,910	106,040	122,790
22065	Madison	6,440	6,010	5,620	5,250	4,950	4,730
22067	Morehouse	15,620	15,040	14,390	13,700	13,060	12,390
22069	Natchitoches	20,050	19,530	19,070	18,740	18,410	18,050
22071	Orleans	240,020	132,160	134,580	135,820	136,020	135,880

Table 3 (Continued). Projected Female Population for Louisiana Parishes

FIPS	PARISH	2005	2010	2015	2020	2025	2030
22000	Louisiana	2,321,600	2,245,660	2,298,180	2,353,470	2,409,530	2,467,660
22073	Ouachita	77,640	77,090	76,190	75,150	74,030	72,630
22075	Plaquemines	14,470	11,080	11,920	12,740	13,650	14,500
22077	Point Coupee	11,500	11,460	11,110	10,780	10,410	10,050
22079	Rapides	66,450	67,010	67,370	67,490	67,380	67,130
22081	Red River	4,970	4,870	4,760	4,730	4,620	4,520
22083	Richland	10,850	10,520	10,200	9,880	9,590	9,250
22085	Sabine	12,090	12,380	12,690	13,090	13,480	14,000
22087	St. Bernard	33,570	10,980	11,410	11,630	11,720	11,770
22089	St. Charles	25,810	27,360	28,380	29,260	29,970	30,410
22091	St. Helena	5,230	5,380	5,140	4,910	4,610	4,370
22093	St. James	10,860	11,000	10,850	10,630	10,380	9,990
22095	St. John the Baptist	23,780	25,570	27,460	29,490	31,510	33,540
22097	St. Landry	46,700	48,080	48,910	49,580	50,160	50,620
22099	St. Martin	25,500	26,740	27,430	28,020	28,430	28,700
22101	St. Mary	26,310	25,410	24,490	23,420	22,270	21,100
22103	St. Tammany	111,660	125,400	145,810	170,030	197,900	229,220
22105	Tangipahoa	54,750	57,420	60,020	62,460	64,940	67,250
22107	Tensas	3,030	2,780	2,520	2,300	2,070	1,880
22109	Terrebonne	54,420	61,160	62,930	63,750	64,010	63,950
22111	Union	11,730	11,730	11,740	11,690	11,640	11,600
22113	Vermillion	28,440	29,160	29,810	30,300	30,730	31,040
22115	Vernon	23,450	22,450	21,080	20,120	19,330	18,750
22117	Washington	22,610	22,810	22,950	23,100	23,220	23,320
22119	Webster	21,340	20,990	20,600	20,140	19,570	19,010
22121	West Baton Rouge	10,980	11,530	11,390	11,200	10,900	10,590
22123	West Carroll	5,850	5,570	5,280	5,110	4,830	4,570
22125	West Feliciana	5,270	5,300	5,410	5,470	5,400	5,310
22127	Winn	7,560	7,070	6,670	6,240	5,820	5,430

Table 4. Projected White Population for Louisiana Parishes

FIPS	PARISH	2005	2010	2015	2020	2025	2030
22000	Louisiana	2,908,310	2,831,840	2,871,420	2,913,250	2,953,150	2,989,700
22001	Acadia	47,760	47,910	47,840	47,500	46,930	46,200
22003	Allen	18,420	18,270	18,070	17,870	17,610	17,240
22005	Ascension	71,670	83,310	98,430	115,700	135,330	157,060
22007	Assumption	15,680	15,480	15,160	14,800	14,290	13,630
22009	Avoyelles	28,420	28,360	28,180	27,830	27,420	26,980
22011	Beauregard	29,320	30,800	32,170	33,500	34,660	35,580
22013	Bienville	8,740	8,850	8,920	9,070	9,140	9,260
22015	Bossier	80,140	83,240	88,120	92,970	97,810	102,750
22017	Caddo	129,280	122,840	116,320	109,910	103,530	97,100
22019	Calcasieu	136,330	135,740	134,290	132,140	129,440	126,280
22021	Caldwell	8,720	8,880	8,980	9,060	9,100	9,210
22023	Cameron	9,130	6,810	6,510	6,140	5,690	5,190
22025	Catahoula	7,540	7,100	6,660	6,160	5,680	5,180
22027	Claiborne	8,390	7,990	7,680	7,320	6,940	6,540
22029	Concordia	11,730	10,910	10,080	9,280	8,450	7,590
22031	DeSoto	15,500	16,880	18,370	19,920	21,470	23,020
22033	East Baton Rouge	219,960	216,080	197,930	181,890	166,870	151,480
22035	East Carroll	2,820	2,560	2,300	2,070	1,840	1,640
22037	East Feliciana	11,270	11,350	11,350	11,310	11,230	11,120
22039	Evangeline	24,860	24,820	24,800	24,640	24,430	24,160
22041	Franklin	13,910	13,340	12,670	12,020	11,270	10,570
22043	Grant	17,000	17,930	18,920	19,910	20,790	21,550
22045	Iberia	48,460	48,540	48,320	47,760	46,850	45,740
22047	Iberville	16,030	15,420	14,760	14,090	13,330	12,550
22049	Jackson	10,860	10,720	10,520	10,260	9,970	9,670
22051	Jefferson	309,930	288,890	286,780	283,330	278,060	271,240
22053	Jefferson Davis	25,320	25,290	25,110	24,820	24,400	23,920
22055	Lafayette	143,240	147,120	146,830	145,740	144,050	141,690
22057	Lafourche	76,470	77,140	77,370	77,020	76,120	74,640
22059	LaSalle	12,100	11,850	11,600	11,260	10,880	10,420
22061	Lincoln	24,360	23,770	23,180	22,810	22,950	23,040
22063	Livingston	103,170	119,160	140,380	164,360	190,840	219,680
22065	Madison	4,720	4,180	3,650	3,180	2,740	2,360
22067	Morehouse	16,460	15,510	14,520	13,580	12,590	11,650
22069	Natchitoches	22,320	21,390	20,570	19,840	19,200	18,490
22071	Orleans	131,210	82,250	80,590	78,310	75,090	71,200

Table 4 (Continued). Projected White Population for Louisiana Parishes

FIPS	PARISH	2005	2010	2015	2020	2025	2030
22000	Louisiana	2,908,310	2,831,840	2,871,420	2,913,250	2,953,150	2,989,700
22073	Ouachita	94,550	92,570	90,050	87,300	84,380	81,100
22075	Plaquemines	20,570	15,780	16,990	18,340	19,650	20,850
22077	Point Coupee	13,880	13,560	13,330	13,060	12,700	12,310
22079	Rapides	85,500	85,900	86,010	85,690	85,010	84,150
22081	Red River	5,370	5,130	4,880	4,720	4,490	4,270
22083	Richland	12,720	12,620	12,440	12,280	12,110	11,880
22085	Sabine	17,640	17,960	18,340	18,780	19,230	19,840
22087	St. Bernard	56,740	17,870	18,490	18,710	18,660	18,540
22089	St. Charles	36,580	36,770	37,720	38,430	38,850	38,800
22091	St. Helena	4,720	4,790	4,550	4,310	4,030	3,810
22093	St. James	10,520	10,420	10,310	10,080	9,810	9,460
22095	St. John the Baptist	23,540	22,830	22,870	22,750	22,470	21,970
22097	St. Landry	51,000	51,860	52,890	53,770	54,500	55,130
22099	St. Martin	33,750	35,380	36,750	37,980	38,960	39,660
22101	St. Mary	33,000	31,490	29,880	28,120	26,320	24,420
22103	St. Tammany	189,470	205,310	234,080	266,340	300,310	334,860
22105	Tangipahoa	74,580	78,040	81,330	84,290	87,080	89,740
22107	Tensas	2,630	2,310	2,040	1,820	1,580	1,390
22109	Terrebonne	80,460	81,780	83,950	84,790	84,630	84,060
22111	Union	16,610	16,930	17,230	17,470	17,650	17,890
22113	Vermillion	45,880	46,970	47,890	48,500	48,840	49,010
22115	Vernon	38,310	36,310	33,890	31,950	30,100	28,250
22117	Washington	30,160	30,580	31,000	31,350	31,660	31,860
22119	Webster	27,130	26,670	26,020	25,320	24,600	23,870
22121	West Baton Rouge	13,840	14,090	14,000	13,870	13,540	13,140
22123	West Carroll	9,560	9,150	8,710	8,350	7,950	7,440
22125	West Feliciana	7,590	7,850	8,130	8,350	8,450	8,370
22127	Winn	10,770	10,240	9,720	9,160	8,600	8,010

Table 5. Projected African American/Black Population for Louisiana Parishes

FIPS	PARISH	2005	2010	2015	2020	2025	2030
22000	Louisiana	1,502,870	1,414,210	1,470,780	1,527,270	1,584,900	1,647,700
22001	Acadia	11,240	11,640	11,970	12,320	12,590	12,900
22003	Allen	6,260	6,610	6,440	6,180	5,950	5,730
22005	Ascension	17,830	22,900	25,720	28,590	31,650	34,930
22007	Assumption	7,320	7,220	7,050	6,810	6,580	6,300
22009	Avoyelles	12,860	13,270	13,660	13,970	14,160	14,440
22011	Beauregard	4,680	4,960	5,310	5,690	6,000	6,330
22013	Bienville	6,390	5,890	5,380	4,920	4,400	4,010
22015	Bossier	22,860	24,750	26,530	28,270	29,960	31,610
22017	Caddo	117,340	120,880	123,650	125,810	127,390	128,400
22019	Calcasieu	46,220	47,220	48,040	48,690	49,250	49,560
22021	Caldwell	1,870	1,820	1,750	1,690	1,590	1,530
22023	Cameron	460	310	340	350	310	320
22025	Catahoula	2,950	2,810	2,720	2,660	2,580	2,500
22027	Claiborne	7,770	7,650	7,460	7,260	7,020	6,720
22029	Concordia	7,470	7,250	7,010	6,750	6,460	6,210
22031	DeSoto	10,670	10,520	10,370	10,180	9,900	9,680
22033	East Baton Rouge	178,540	200,550	212,090	223,270	233,840	244,120
22035	East Carroll	5,960	5,640	5,290	4,900	4,590	4,260
22037	East Feliciana	9,320	8,590	7,810	7,150	6,420	5,720
22039	Evangeline	10,460	10,710	10,950	11,120	11,210	11,310
22041	Franklin	6,400	6,040	5,690	5,360	5,020	4,700
22043	Grant	2,270	2,270	2,190	2,180	2,140	2,090
22045	Iberia	23,870	24,590	25,230	25,720	26,110	26,420
22047	Iberville	16,000	15,230	14,390	13,530	12,700	11,800
22049	Jackson	4,180	3,960	3,790	3,630	3,440	3,260
22051	Jefferson	121,760	122,940	131,900	140,390	148,140	155,530
22053	Jefferson Davis	5,630	5,510	5,350	5,210	5,050	4,840
22055	Lafayette	49,920	55,340	59,310	63,130	66,880	70,520
22057	Lafourche	12,370	13,150	13,890	14,590	15,340	15,990
22059	LaSalle	1,780	1,800	1,720	1,730	1,740	1,730
22061	Lincoln	16,840	16,610	16,480	16,450	16,350	16,560
22063	Livingston	4,890	7,720	9,790	12,370	15,490	19,350
22065	Madison	7,650	7,100	6,650	6,200	5,800	5,370
22067	Morehouse	13,360	13,140	12,850	12,470	12,070	11,640
22069	Natchitoches	15,280	15,110	14,880	14,740	14,580	14,360
22071	Orleans	307,850	154,050	160,240	164,450	167,770	171,210

Table 5 (Continued). Projected African American/Black Population for Louisiana Parishes

FIPS	PARISH	2005	2010	2015	2020	2025	2030
22000	Louisiana	1,502,870	1,414,210	1,470,780	1,527,270	1,584,900	1,647,700
22073	Ouachita	51,480	52,870	53,910	54,810	55,500	55,950
22075	Plaquemines	6,730	4,910	5,200	5,370	5,550	5,710
22077	Point Coupee	8,300	8,380	7,900	7,500	7,040	6,610
22079	Rapides	40,030	40,970	41,630	42,180	42,490	42,670
22081	Red River	4,060	4,180	4,310	4,410	4,510	4,530
22083	Richland	7,660	7,180	6,770	6,330	5,940	5,480
22085	Sabine	4,010	3,980	3,890	3,860	3,820	3,730
22087	St. Bernard	6,880	2,200	2,370	2,530	2,700	2,880
22089	St. Charles	13,350	15,250	16,370	17,360	18,270	19,160
22091	St. Helena	5,440	5,570	5,440	5,200	4,960	4,720
22093	St. James	10,490	10,910	10,790	10,600	10,320	10,000
22095	St. John the Baptist	22,160	25,700	29,270	33,110	37,080	41,270
22097	St. Landry	38,280	39,580	40,220	40,680	40,960	41,100
22099	St. Martin	15,790	16,310	16,300	16,170	15,900	15,590
22101	St. Mary	16,710	16,180	15,570	14,920	14,150	13,310
22103	St. Tammany	26,360	32,480	44,390	60,630	82,310	110,430
22105	Tangipahoa	30,760	32,770	34,660	36,570	38,480	40,340
22107	Tensas	3,550	3,350	3,160	2,940	2,760	2,600
22109	Terrebonne	19,870	35,130	36,470	37,250	37,870	38,200
22111	Union	6,170	5,820	5,530	5,150	4,800	4,470
22113	Vermillion	7,960	8,190	8,350	8,520	8,660	8,780
22115	Vernon	8,050	6,440	5,350	4,660	4,140	3,580
22117	Washington	13,940	13,960	13,920	13,840	13,770	13,690
22119	Webster	13,720	13,670	13,600	13,460	13,210	12,900
22121	West Baton Rouge	7,680	8,330	8,180	7,960	7,680	7,450
22123	West Carroll	2,270	2,140	2,030	1,940	1,810	1,710
22125	West Feliciana	7,580	7,360	7,060	6,700	6,280	5,770
22127	Winn	5,070	4,650	4,250	3,890	3,470	3,120

Table 6. Projected Other Race Population for Louisiana Parishes

FIPS	PARISH	2005	2010	2015	2020	2025	2030
22000	Louisiana	98,990	123,710	135,480	147,790	161,210	176,020
22001	Acadia	280	310	330	380	430	490
22003	Allen	650	1,020	1,130	1,280	1,470	1,670
22005	Ascension	950	2,820	3,140	3,450	3,780	4,150
22007	Assumption	130	150	190	230	270	320
22009	Avoyelles	600	630	710	830	900	960
22011	Beauregard	570	600	680	710	790	860
22013	Bienville	70	80	80	110	140	180
22015	Bossier	2,430	4,480	5,010	5,540	6,240	6,990
22017	Caddo	3,850	4,250	4,680	5,160	5,690	6,290
22019	Calcasieu	2,180	2,440	2,660	2,910	3,210	3,580
22021	Caldwell	20	30	40	60	80	140
22023	Cameron	20	110	140	170	210	250
22025	Catahoula	10	10	20	20	30	40
22027	Claiborne	30	40	50	50	70	90
22029	Concordia	60	60	70	90	110	130
22031	DeSoto	220	240	270	290	300	320
22033	East Baton Rouge	11,370	17,070	19,150	21,220	23,400	25,900
22035	East Carroll	10	10	10	30	50	60
22037	East Feliciana	110	100	120	150	180	220
22039	Evangeline	200	220	260	280	310	330
22041	Franklin	80	80	90	110	150	190
22043	Grant	240	260	300	350	430	470
22045	Iberia	1,990	2,210	2,440	2,670	2,970	3,290
22047	Iberville	160	180	200	210	250	290
22049	Jackson	40	40	40	50	60	90
22051	Jefferson	19,420	24,600	25,440	26,480	27,340	27,900
22053	Jefferson Davis	290	310	330	370	380	430
22055	Lafayette	3,540	6,240	6,900	7,650	8,450	9,390
22057	Lafourche	3,120	3,450	3,900	4,380	4,850	5,360
22059	LaSalle	130	120	170	190	230	280
22061	Lincoln	790	870	960	1,030	1,120	1,230
22063	Livingston	970	2,540	2,820	3,090	3,400	3,750
22065	Madison	140	150	170	220	320	500
22067	Morehouse	120	120	130	140	170	220
22069	Natchitoches	780	850	950	1,030	1,140	1,320
22071	Orleans	13,170	11,280	12,040	12,680	13,140	13,600

Table 6 (Continued). Projected Other Race Population for Louisiana Parishes

FIPS	PARISH	2005	2010	2015	2020	2025	2030
22000	Louisiana	98,990	123,710	135,480	147,790	161,210	176,020
22073	Ouachita	1,790	2,040	2,280	2,490	2,720	3,070
22075	Plaquemines	1,670	1,750	1,900	2,060	2,260	2,570
22077	Point Coupee	150	300	330	360	390	460
22079	Rapides	2,460	2,650	2,920	3,220	3,550	3,910
22081	Red River	20	20	30	40	60	90
22083	Richland	50	40	50	50	60	100
22085	Sabine	2,130	2,330	2,610	2,990	3,330	3,730
22087	St. Bernard	1,620	800	900	970	1,050	1,060
22089	St. Charles	670	1,760	1,960	2,140	2,420	2,620
22091	St. Helena	0	30	40	60	70	80
22093	St. James	10	80	120	150	180	210
22095	St. John the Baptist	530	1,270	1,400	1,550	1,710	1,870
22097	St. Landry	440	1,170	1,310	1,440	1,600	1,850
22099	St. Martin	730	1,090	1,200	1,370	1,530	1,750
22101	St. Mary	1,580	1,730	1,960	2,190	2,400	2,660
22103	St. Tammany	4,040	9,120	10,240	11,330	12,590	13,870
22105	Tangipahoa	840	920	1,000	1,090	1,180	1,270
22107	Tensas	0	0	0	0	0	0
22109	Terrebonne	6,870	1,980	2,140	2,370	2,640	2,950
22111	Union	110	100	120	130	160	180
22113	Vermillion	1,460	1,570	1,760	1,910	2,150	2,360
22115	Vernon	2,220	3,900	4,340	4,900	5,560	6,360
22117	Washington	240	250	280	320	350	390
22119	Webster	320	340	370	390	390	420
22121	West Baton Rouge	100	300	360	390	450	480
22123	West Carroll	10	10	10	20	40	40
22125	West Feliciana	50	50	60	70	90	120
22127	Winn	140	140	170	180	220	270

Technical Appendix: Cohort Component Methodology

The cohort component methodology is one of the most utilized projection methodologies in demographic projection (Preston, Heuveline et al. 2001; George, Smith et al. 2004). The method is based on accounting for three components in the population: births, deaths, and net migration. In the paragraphs that follow, I first summarize cohort component methodology and then provide a technical description of the methodology.

Summary of Cohort Component Method

The cohort component method involves identifying a baseline population and projecting the population forward, while adding in successive birth cohorts. Projections are made for specific age group cohorts (e.g. 0-4, 5-9, 10-14). The cohort component technique can be summarized by the following equation:

$$P_{t2} = P_{t1} + B_{t1-t2} - D_{t1-t2} + M_{t1-t2}$$

Where:

P_{t2} = the population projected in t+5 years

P_{t1} = the population at the base year t1

B_{t1-t2} = the number of births that occur during the five year interval t1 - t2

D_{t1-t2} = the number of deaths that occur during the five year interval t1 - t2

M_{t1-t2} = the amount of net migration that takes place during the five year interval t1 - t2

The projection of a cohort population involves removing persons due to deaths and adjusting the population (via addition or subtraction) for net migration. To calculate the number of people dying in a given time period, a survival rate (the probability of not dying over a period of time) is created from vital statistics records on mortality. Net migration (in-migrants – out-migrants) may involve the addition or subtraction of persons depending on the assumed migration rate. The size of birth cohorts entered into the population are based on the number of females of childbearing age (ages 10-54) and age specific rates of fertility in the parish. The rates of fertility for a given age and race group are based on vital statistics data.

To complete the cohort component projections, the same process is applied to each age cohort within a given race and sex category from the initial baseline year through the completion of the projection series. The only additional issue in the cohort component methodology is the addition of new age 0-4 cohorts. This occurs through the calculation of fertility rates for women of childbearing age. After projecting the number of women that are of childbearing

age, age specific fertility rates are utilized to calculate the number of births and the resulting number of children age 0 to 4 for a given projection period.

Technical Description of Cohort Component Method

To generate cohort component projections, I use the 2005 U.S. Census Population Estimate data for the baseline population and project forward through 2030. The projection series contains population data by five-year age intervals (seventeen categories overall with 85+ as the top category), sex, and three race groups (white alone, black alone, and other). The development of population projections requires the calculation of three important statistics by age, race, and sex: survival probabilities, fertility rates, and net migration rates. Vital rates data are derived from National Center for Health Statistics Vital Statistics Systems data, the Louisiana Department of Health and Hospitals Vital Statistics Branch, and race bridged population estimates from the U.S. Census Bureau. The methods for developing these statistics are discussed below.

Survival Probabilities

To obtain age, sex, and race specific survival probabilities, I summarize death certificate data from the 2000-2004 Multiple Cause of Death file to create tabulations of the number of deaths by age, race, and sex for the state of Louisiana. These summary counts are then merged to population estimate data for the state of Louisiana from the National Center for Health Statistics Census Population Estimates from 2000-2004 to create age, sex, and race specific mortality rates.

The mortality rates are then used to create survival probabilities through the calculation of an abridged life table using the Fergany Method (Fergany 1971). All life tables and survival probabilities are calculated for the state of Louisiana for each race/sex combination (white males, white females, black males, black females, other males, and other females). Thus, survival probabilities for a given group are assumed to be constant across parishes. The small size of many Louisiana Parishes limits the use of parish specific life tables to only a handful of large, metropolitan parishes.

Age and Race Specific Fertility Rates

Parish level age and race specific fertility data come from the Louisiana Department of Health and Hospitals Vital Statistics Branch. I create fertility rates using births from 2000-2004. I merge parish level summaries of births by age and race of the mother with population estimate data by age and race for females from the National Center for Health Statistics Census Population Estimates from 2000-2004. These merged data are used to construct age and race specific fertility rates.

Net Migration Rates

Rates of net migration are calculated using the Forward Survival Technique (Smith, Tayman et al. 2000). To calculate net migration, the 2000 Census population is projected forward to 2005 using vital events only. Thus, births and deaths by age, sex and race are utilized to calculate an expected population. The difference between the expected 2005 population and the observed 2005 population derived from the U.S. Census Bureau Population Estimates is the number of net migrants for a specific age, race, and sex group. Net migration rates are calculated as the number of net migrants divided by the expected population. Rates of net migration are obtained for each age, race, and sex group in each parish. Because Louisiana contains only a small number of other race residents, the statewide net migration rate was used instead of the parish specific rate to ensure stability in the projection of this population segment in each parish.

Calculation of Cohort Component Projections

After obtaining the data inputs listed above, I project the 2005 (launch year) population forward through 2030 in five year increments. I follow the computational method described by Smith et al. (2000) and list these formulas below.

The first step in the projection process is to age the launch year population forward using the following formula:

$${}_n\text{SURVP}_{x+z,t} = {}_n\text{P}_{x,l} \times {}_n\text{S}_x$$

where x is the beginning age of the age interval, n is the size in years of the age interval, z is the ending year of the age interval, t is the target year of the projection, l is the launch year of the population, SURVP is the surviving population for the target year, P is the population in the launch year, and S is the survival probability of surviving over the z year interval. Survival probabilities are derived from an abridged life table using 2000-2004 mortality rates. For the projection of the open ended interval of persons age 85 and over, P is the sum of persons age 80-84 and those age 85 and older in the launch year. This process is repeated for all race and sex groups.

The second step in the cohort component projection methodology is to calculate the projected number of net migrants. Net migration is calculated by multiplying the age specific net migration rate by the surviving population using the formula:

$${}_n\text{NETMIG}_{x+z,l \text{ to } t} = {}_n\text{SURVP}_{x,l} \times {}_n\text{NETMIGRATE}_{x,l \text{ to } t}$$

where NETMIG is the projected number of net migrants, n is the size in years of the age interval, x is the beginning age of the age interval, z is the ending year of the age interval, t is the target year of the projection, l is the launch year of the population, SURVP is the surviving

population for the target year, and NETMIGRATE is the age, race, and sex specific net migration rate over the time interval.

A third step involves projecting the number of births occurring between the launch and target years. This process involves a number of calculations. To obtain the age specific birth rate for a given race group is calculated as:

$${}_n\text{ADJASBR}_{x,t} = ({}_n\text{ASBR}_{x,t} + {}_n\text{ASBR}_{x+5,t}) / 2$$

ADJASBR is the adjusted age specific birth rate and ASBR is the age specific birth rate. The adjusted age specific birth rate for a given age group is calculated by averaging the ASBRs for the two age groups in which a given age cohort will pass through during the projected time interval. After obtaining the adjusted birth rate, I obtain the projected female population at risk for giving birth. In this population projection the female population at risk for child birth is women age 10-54. Vital statistics provides the number of births to women younger than 15, so the youngest age category exposed to child birth are females age 10-14. The at risk population is calculated as:

$${}_n\text{ATRISKFP}_{x,t} = {}_n\text{FP}_{x,l} - (0.5 \times {}_n\text{FD}_{x,l \text{ to } t}) + {}_n\text{FNETMIG}_{x+z, l \text{ to } t}$$

FP is the female population in a given age group for the launch year, FD is the number of deaths occurring to females in the age group during the launch and target year, and FNETMIG is the number of female net migrants for a give age category. The number of births is derived from the following equations:

$${}_n\text{B}_{x,l \text{ to } t} = {}_n\text{ADJASBR}_{x,t} \times {}_n\text{ATRISKFP}_{x,t}$$

$$\text{B}_{l \text{ to } t} = \sum {}_n\text{B}_{x,l \text{ to } t}$$

where B is the number of births. Of the total births, 51% of births are allocated as male births and 49% females. Births are survived by multiplying the number of births by the race and sex specific survival rates for those age 0 to 4.

To obtain the projected population for the target year, the mortality, fertility, and migration components are combined using the following equation:

$${}_n\text{B}_{x+z, t} = {}_n\text{SURVP}_{x+z,t} \times {}_n\text{NETMIG}_{x+z, l \text{ to } t}$$

Technical Note on Adjusting for the 2005 Storm Related Population Turbulence

A key issue for any population projection of Louisiana is the effect of the hurricanes of 2005 on projected trends. Between July 1, 2005 and July 1, 2006, the U.S. Census Bureau estimates that the population of Louisiana experienced a net decrease of 252,382 persons. During the

following year (2006-2007), the population increased by 50,000 due to the repopulation of some areas severely damaged by the storms. This presents two problems for the construction of population projection for certain parishes that are summarized below.

First, the population size for a number of parishes was radically altered by the population turbulence generated by the storms. For example, the U.S. Census Bureau estimated population of Orleans Parish dropped from 453,726 (July 1, 2005) to 210,198 (July 1, 2006). Thus, it is difficult to identify a baseline population to project forward for specific parishes. Because this projection series uses the 2005 estimated population by age, race, and sex as the baseline population for projections, the 2005 population estimates for areas experiencing storm-related population change will produce inaccurate results. To account for this difficulty, the 2007 population estimate for Louisiana Parishes was projected forward in single year intervals to obtain a projected 2010 population. This technique was used for the following parishes: Allen, Ascension, Bossier, Cameron, East Baton Rouge, Jefferson, Lafayette, Livingston, Orleans, Plaquemines, Pointe Coupee, St. Bernard, St. Charles, St. Helena, St. James, St. John the Baptist, St. Landry, St. Martin, St. Tammany, Tangipahoa, Vernon, and West Baton Rouge. These parishes experienced the most extreme changes in population (change of at least +/- 2.5% between 2005 and 2007).

Second, the migration trends for three parishes in the New Orleans Metropolitan Area (Jefferson, Orleans, and St. Bernard Parishes) changed dramatically. For example, St. Bernard Parish had experienced a very slow decline in population during 2000-2005 (net loss of 2,546 persons), but grew by 5,951 between 2006 and 2007. Both Jefferson and Orleans experienced a similar trend following 2005. The difficulty posed by this change is that the migration patterns observed during the 2000-2005 period for these parishes inaccurate depictions of the post-storm trends of net in-migration and population increase. To address this issue, migration patterns observed from a comparison of the 2006 and 2007 population estimates were examined to identify an expected net migration rate for these three parishes. For the remaining parishes, population estimates from 2006 and 2007 indicate that recent patterns of population change correspond to the 2000-2005 net migration rates.

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