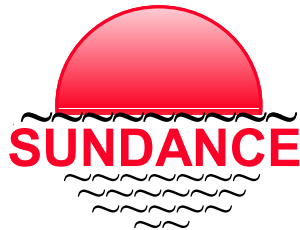




Demographic Study
Public School Enrollments
and
Future Residential Development
for the
Board of Education
of the
Glen Rock Borough Public Schools



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January 9, 2007

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Appendix:

Standard Cohort Survival Projections; NJ DOE Format

Profile of General Demographics Characteristics 2000
Glen Rock Borough, US Census Bureau



Executive Summary

The Methodology used in projecting enrollments is the recommended method of the NJ Department of Education, known as Cohort Survival. The NJ DOE form of report is in the Appendix.

General Population includes those in the 2.7 square mile Borough of Glen Rock, in Bergen County, which has a year 2000 population of 11,546 people according to the US Census. The public school system has a student population of just over 2,470 students in 6 schools.

Population by Age Group from 1990 to 2000, shows increasing Pre-school and School-age populations, up 24% and 29% respectively. Childbearing age population decreased by a significant 17%, in apparent contradiction to the other strong gains.

Birth Rates for the recent three years have averaged 137 births per and is the rate used to project Live Births beyond 2004, the last year for which data is available. That rate is down 25 births per year from the prior three year average of 162; and further decline is anticipated due to the decrease in population in the Child-bearing Age group.

Housing Permits in Glen Rock have averaged 3 permits per year in the last six years. The single "approved" sub-division is the Kara Homes project, which at 18 units will add only 4 school age children.

Residential Resales include 1122 homes in the last five years. That is 27.8% of all existing houses! And the rate of re-sales has increased from 180 in 2001 to 270 in 2005. Since the birth rate is declining, the enrollment increase can only be due to in-migration of families with more children than those who are selling their homes.

Historic Enrollments in Glen Rock have increased over the last six years by 241 students or 10.7% from 2233 to 2474 students.

Enrollment Projections establish a district-wide decline of 118 students over the next 5 years.

Elementary grades PreK to Gr 5 will decrease by 146 students from a current level of 1147 to a year 2011 count of 1001.

Grades 6 to 8 enrollments which peaked at 617 students in 2005, will decrease to 602 in 2011.

High School enrollments will peak at 781 students in year 2008, 55 students higher than the current level, and subsequently stabilize around 750 students.

Population in Glen Rock Borough, which peaked at 13,000 in 1970 has declined and rebounded to 11,546, while the school enrollments increased to over 2,400.

The period from 1990 to 2000 saw a 17% decrease in the Childbearing Age group and a 29% increase in the School Age population.

Rapidly increasing rates of existing home sales has been driving the recent enrollment increases.

Significantly decreasing Birth Rates will counter the in-migration increases to the point of a future enrollment decline.

Enrollments which grew by 241 students in the last six years are projected to decrease by 118 students in the next five years, to a new district-wide level of 2356 students in year 2011.





Profile: Township

Glen Rock is a borough in Bergen County, New Jersey, United States. It is on the southwestern side of the northeastern most county, and lies only 18 miles northwest of New York City.

As of the United States 2000 Census, the borough population was 11,546. Glen Rock is ranked in 47th place among the Highest-income places in the United States with a population of at least 10,000.

Glen Rock was formed on September 12, 1894 from portions of Ridgewood Township "that being the year the county went crazy on boroughs". When Glen Rock was incorporated in 1894, two railroad lines through the borough carried fruits and vegetables from local farms to the markets in Paterson, N.J., and Suffern, N.Y. The railroad is now a drawing card for the many residents who work in Manhattan.

According to the United States Census Bureau, the borough has a total area of 7.1 km² (2.7 mi²). 7.0 km² (2.7 mi²) of it is land and 0.37% is water.

Unlike most suburban towns whose names have little or nothing to do with reality, Glen Rock was actually settled around an enormous rock left by retreating glaciers in a small valley (glen). From a 1985 New York Times article, "Glen Rock is named for a 570-ton boulder, believed to have been deposited by a glacier, that stands at the northern end of Rock Road, the town's main street. Called Pamackapuka, or Stone from Heaven, by the Delaware Indians, it served as a base for Indian signal fires and later as a trail marker for colonists".

Glen Rock's governing body consists of a mayor and six council members elected at large on a staggered basis in partisan elections. Two council members are elected each year for three-year terms and the Mayor is elected to a four-year term of office. The Mayor is the Chief Executive Officer for the Borough. Glen Rock operates using a Mayor / Council within the Borough form of government with the annual appointment of a full time professional borough administrator who is the Chief Administrative Officer of the Borough, responsible to the Mayor and Council. Glen Rock is in the Fifth Congressional District and is part of New Jersey's 35th Legislative District.



Glen Rock Borough was organized in 1894, when it seceded from Ridgewood, in part due to the proposed locations of schools.

Glen Rock Borough is a 2.7 square mile municipality with a year 2000 population of 11,546.

SOURCES: US Census 2000 and
http://en.wikipedia.org/wiki/Glen_Rock,_New_Jersey

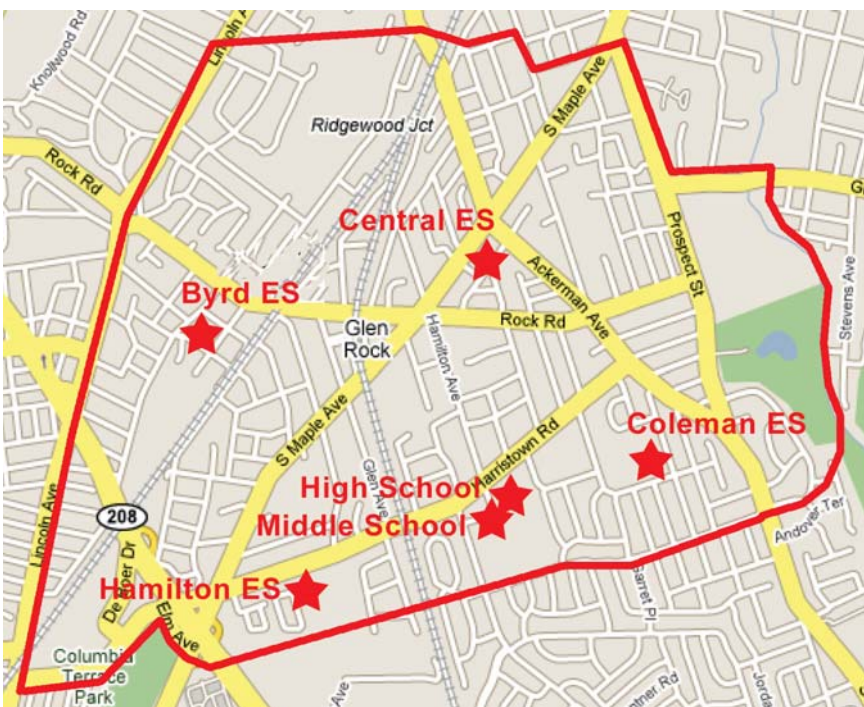


Profile: School District

Until 1894, the children from towns in the area attended a one-room school at Ackerman Avenue and Rock Road in Glen Rock. As enrollment grew, school officials proposed building a new school closer to the center of the unincorporated township of Ridgewood. The Dutch-American vegetable farmers of Glen Rock - which at that time had fewer than 100 homes and 600 residents - thought that would be too long a walk for their children. They decided to have a school of their own and seceded from Ridgewood. By 1985 Glen Rock has three public elementary schools and a combined junior-senior high school, plus St. Catherine's, a Roman Catholic elementary school.

Today, the Glen Rock Public Schools serve students in kindergarten through twelfth grade. The district consists of six schools which include four K-5 elementary schools with 225-335 students each, Glen Rock Middle School with 600 students in grades 6-8, and Glen Rock High School which has an enrollment of 700+ students in grades 9-12. The high school consistently places in the top 50 public schools in the state. Over 90% of students who attend Glen Rock High School go on to a two-year or four-year college.

The Glen Rock Public School District operates a K-12 educational program for over 2,400 students in 6 schools.



Glen Rock High School
400 Hamilton Avenue
Glen Rock, NJ 07452
<http://highschool.glenrocknj.org>

Glen Rock Middle School
600 Harristown Avenue
Glen Rock, NJ 07452
<http://middleschool.glenrocknj.org>

Richard E. Byrd School
640 Doremus Avenue
Glen Rock, NJ 07452
<http://byrd.glenrocknj.org>

Central School
600 Maple Avenue
Glen Rock, NJ 07452
<http://central.glenrocknj.org>

Coleman School
100 Pinelynn Avenue
Glen Rock, NJ 07452
<http://coleman.glenrocknj.org>

Alexander Hamilton School
380 Harristown Avenue
Glen Rock, NJ 07452
<http://hamilton.glenrocknj.org>

Central Phone 201.445.7700

Profile: Parochial School

The single parochial school, now known as Academy of Our Lady continues to be affiliated with St. Catherine's Roman Catholic church located in Glen Rock as well as Our Lady of Mount Carmel in neighboring Ridgewood.

The school provides education for grades PreK-8 and has an enrollment of 465 students. In conversation with Mrs. Patricia Keenaghan, Principal of the Academy of Our Lady, the consultant was informed that supported by a strong marketing campaign the Academy enrollment has been stable (plus or minus 6 students) for the last three years, and that the enrollment is anticipated to remain the same. No expanded or enhanced recruitment programs are planned at the pre-school or K-8 levels.

Enrollments at the parochial school have remained stable for 3 years. No changes are planned which would impact enrollment.

Approximately 88% of the graduating 8th graders go on to attend parochial High School, within the greater Bergen County area. Specifically, the 2005 graduating class is attending 11 different parochial high schools.



Demographics and Population Trends

As of the census of 2000, there were 11,546 people, 3,977 households, and 3,320 families residing in the borough. There were 4,024 housing units.

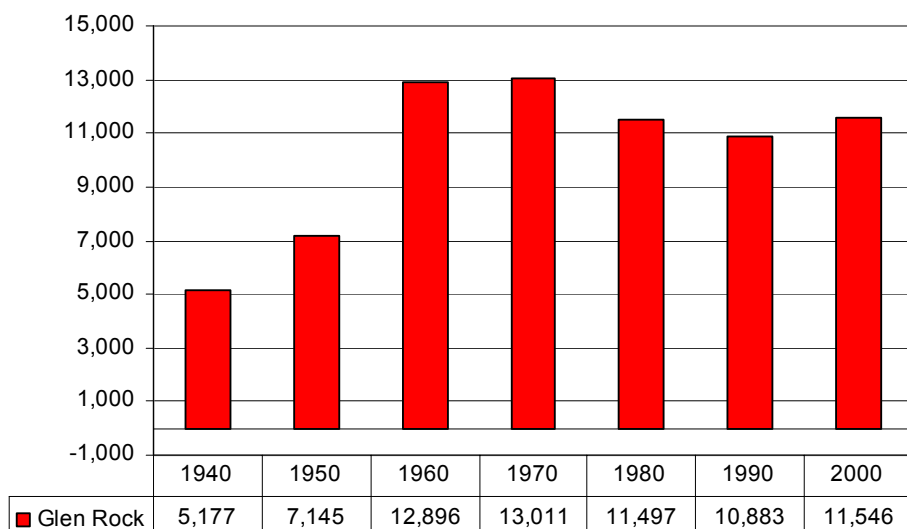
There were 3,977 households out of which 43.8% had children under the age of 18 living with them, 75.1% were married couples living together, 6.8% had a female householder with no husband present, and 16.5% were non-families. 14.7% of all households were made up of individuals and 9.2% had someone living alone who was 65 years of age or older. The average household size was 2.89 and the average family size was 3.22.

The median income for a household in the borough was \$104,192, and the median income for a family was \$111,280. The per capita income for the borough was \$45,091. About 2.1% of families and 2.4% of the population were below the poverty line.

Population peaked in Glen Rock in 1970 at 13,011...
Population declined to 11,497 by 1980, and ...
has increased to 11,546 by 2000, only 89% of the peak year.

Census 2000, reports ...

**11,546 people,
3,977 households, and
3,320 families residing
in the township**



		10-Yr Increase
1940	5,177	38.0%
1950	7,145	80.5%
1960	12,896	0.9%
1970	13,011	-11.6%
1980	11,497	-5.3%
1990	10,883	6.1%
2000	11,546	

Population grew fastest in the decade of the 50's when population increased by 80%.

Population decreased in the 70's and 80's.

SOURCE: **New Jersey Population Trends 1790 to 2000**, available at <http://www.wnjin.state.nj.us/OneStopCareerCenter/LaborMarketInformation/Imi25/pub/NJSDC-P3.pdf>

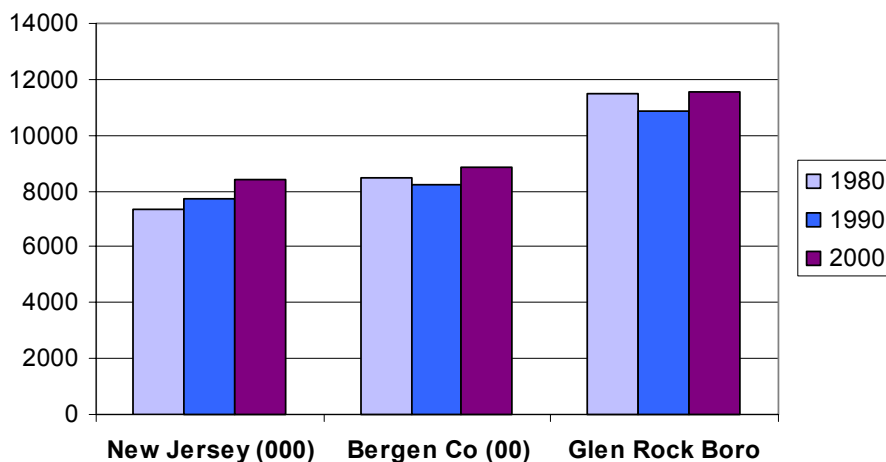


Population Trends

County & State Comparisons

Population growth and decline in Glen Rock mirrors that of Bergen County, but not of New Jersey.

Both Bergen County and Glen Rock saw declining populations in the 80's. Growth in Bergen County and Glen Rock in the 90's made up for the losses in the 80's.



Population has grown, at a continuously increasing rate in New Jersey.

Both Bergen County, and Glen Rock evidenced declining population in the 80's and moderate growth in the 90's.

	Population			Growth %	
	1980	1990	2000	80-90	90-00
New Jersey	7,365,011	7,730,188	8,414,350	4.96%	8.85%
Bergen County	845,385	825,380	884,118	-2.37%	7.12%
Glen Rock	11,497	10,883	11,546	-5.34%	6.09%



Population by Age Group

Population by Age Group from 1990 to 2000 in the Township, reveals important findings. Population increased significantly in the Pre-School (24.8%) and School Age (29%) groups.

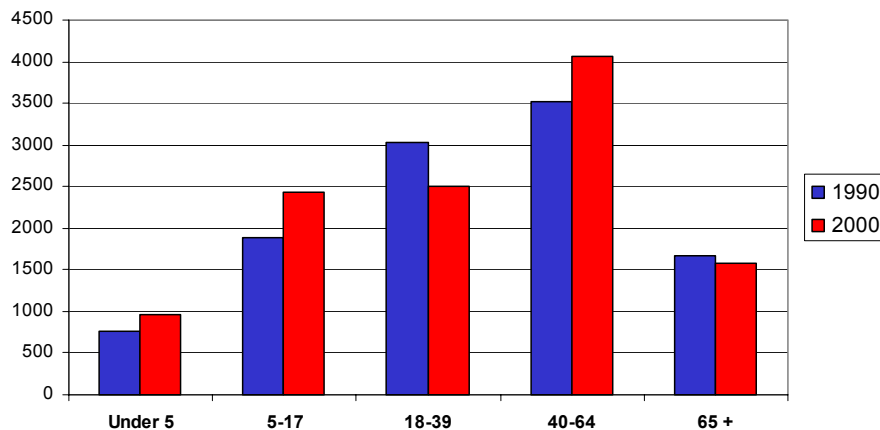
Childbearing age population (ages 22-39) decreased by 17.5%, or an actual count of a very significant 529 fewer persons. This is significant as the general population grew by nearly 6%, and is counter-intuitive to the increases in pre-school and school-age children.

Adult ages 40-64 evidenced a very significant 15% increase or 544 persons, while ages 65+ decreased by 5% or 90 persons.

The Childbearing age group, in the 10 year census period from 1990 to 2000, experienced a 529 person decline. This is a 17% decrease compared with 6% growth overall.

At the same time, the number of School age children increased by 547 children, a 29% increase.

Further analysis shows Pre School ages increased by 191 children or nearly 25%.



	Age	1990	%	2000	%	Change	% Change
Pre School	Under 5	771	7.1%	962	8.3%	191	24.8%
School Age	5-17	1886	17.3%	2433	21.1%	547	29.0%
Childbearing	18-39	3031	27.9%	2502	21.7%	-529	-17.5%
Adult	40-64	3526	32.4%	4070	35.3%	544	15.4%
Senior	65 +	1669	15.3%	1579	13.7%	-90	-5.4%
		10,883		11,546		663	6.1%



Birth Rates

The number of babies born to families who reside in the district is a significant factor effecting enrollment projections. Birth Rates from “5 years earlier” are used for the Birth to Kindergarten survival ratios in the standard method. For example, the first school year in the historic data is 2001-02 and uses year 1996 for the Birth:K calculation of that survival ratio. With that understanding, actual and projected births are presented here for review.

Birth rates have fluctuated between 178 and 132 per year over the last 10 years for which data is available. Over the 6 years 1999-03, the birth rate has been declining around an average of 158 births.

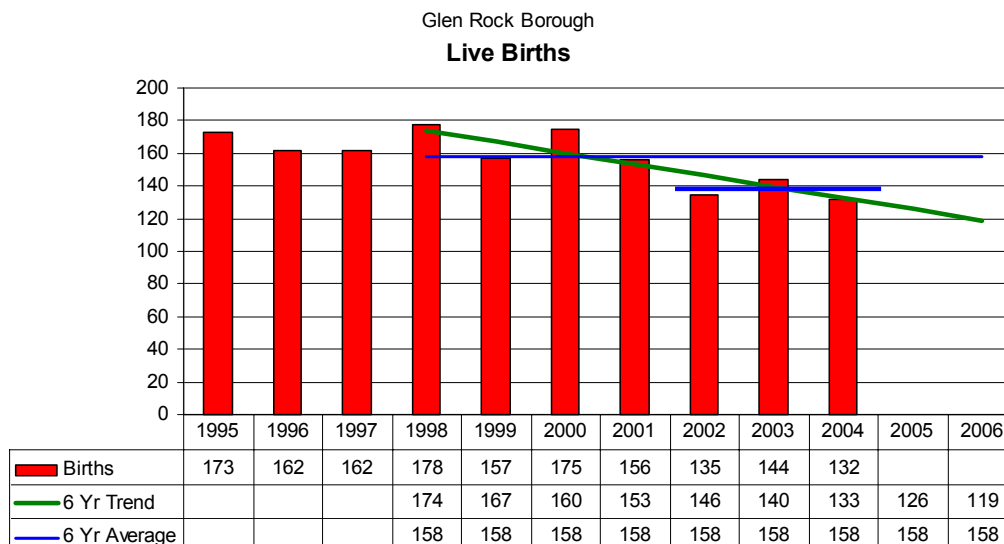
Trend analysis of the period 1999-03 indicates a possible decrease of the birth rate as shown by the green line in the graphic below. However the standard projection methodology uses the average.

Births data for years 2005 and 2006 are not yet available for use in the standard Cohort Survival projection. Enrollments are projected using the 3-year average of 137 for these unknown years of birth data.

Actual Live Births are used for years 1995-2004.

A 3-year average of 137 is used to project Live Births for years beyond 2004, which data are not yet available, and which are the basis for future Kindergarten projections in the standard projection.

The prior 3-year average is 162 births per year, 25 more per year than the most recent 3-year average.



SOURCE: NJ Department of Health, Bureau of Health Statistics
www.state.nj.us/health/chs



Cohort Survival Methodology

Cohort Survival is the name given to the method of projecting enrollments which is most often recommended by the New Jersey Department of Education. Cohort Survival projections are based on historic enrollment and birth data in the individual school district and incorporate six years of demographic trends. They are considered very reliable in districts where trends are expected to continue, without significant change in housing or birth rates.

“Cohort” is the name given to the common groups of children originally born in a given year and progressing, together, through the school system, one grade level to the next. Survival ratios refer to the number of students from one year and grade level who “survive to” or enter the next grade level the following year.

For example, in the sample partial table in the side bar, historic enrollments show 301 students in a First Grade in year 2003-04, following a 246 student Kindergarten in year 2002-03. This yields a Kindergarten to First Grade survival ratio of 1.224 (or $301 \div 246$).

Similar calculations are made for “survivors” from Births Five Years Earlier to Kindergarten, and for each and every grade level transition in each and every year of historical enrollments which are used. In general, six years of historic data will yield five Survival Ratios for each grade level change, Birth to K, K to 1, 1 to 2, etc. The **Average** Survival Ratio is then calculated for each grade level change.

Live Births data is also important. Official data is currently available from the NJ Department of Health only to year 2004. Birth data through year 2006 are utilized in the standard projection. Hence, years 2005-2006 are estimates using the average. These are used in the standard and extended projections.

The projections use the current school year 2005-06 enrollments as a base year. The Averaged Cohort Survival Ratios are applied to those base year enrollments and to the actual and estimated births, and projected into the next year, one grade level higher.

Historic Enrollments

School Year	Births 5 Yrs. Ago	"s"	K	"s"	1st Gr.	"s"	2nd Gr.
HISTORIC DATA							
2000-01	214	1.073	231		287		319
				1.133		1.045	
2001-02	220	1.264	278		263		300
				1.155		1.137	
2002-03	218	1.128	246		321		299
				1.224		1.056	
2003-04	270	1.000	270		301		339
				1.152		0.377	
2004-05	215	1.116	240		311		294
				1.273		1.032	
2005-06	228	0.378	223		307		321
Average Survival Rate	1.094			1.190		1.049	

Enrollment projections have been made using the Cohort Survival method... the recommended method of the NJ Department of Education.



Cohort Survival Enrollment Projections

Standard Methodology

Cohort Survival projections are the recommended method of projection and must be completed for all school districts. The full NJ Department of Education worksheet for this projection can be found in the Appendix. The results are as follows;

K-12 General Education

		K	Gr 1	Gr 2	Gr 3	Gr 4	Gr 5	Gr 6	Gr 7	Gr 8	Gr 9	Gr 10	Gr 11	Gr 12	Gen'l Ed
Historic	2001 - 02	163	169	206	187	185	192	179	188	184	141	142	139	130	2205
	2002 - 03	185	177	174	219	191	191	208	182	191	173	143	145	140	2319
	2003 - 04	152	194	178	177	221	188	201	208	182	172	181	147	144	2345
	2004 - 05	159	170	203	186	178	221	195	200	207	165	176	177	144	2381
	2005 - 06	175	175	178	201	188	181	224	194	199	194	166	178	175	2428
	2006 - 07	171	201	171	188	196	182	180	225	194	189	194	171	172	2434
Projected	2007 - 08	137	188	205	177	189	196	189	180	225	180	192	197	169	2425
	2008 - 09	147	151	192	212	178	189	203	189	181	209	183	195	194	2423
	2009 - 10	134	161	155	199	213	178	196	204	189	167	213	186	192	2387
	2010 - 11	140	148	165	160	200	213	184	196	204	175	170	215	183	2354
	2011 - 12	140	154	151	170	161	200	221	185	196	189	179	173	213	2330

Self Contained Special Education

		Births 3 & 4 Yrs ago	Pre-K SCSE	Gr K-5 SCSE	Gr 6-8 SCSE	Gr 9-12 SCSE	SCSE Total
Historic	2001 - 02	335	0.036	12	16	0	28
	2002 - 03	324	0.034	11	8	0	19
	2003 - 04	340	0.038	13	13	0	26
	2004 - 05	335	0.060	20	15	0	35
	2005 - 06	332	0.051	17	25	0	42
	2006 - 07	331	0.024	8	29	2	39
Projected	2007 - 08	291	0.041	12	17	0	29
	2008 - 09	275	0.041	11	17	0	28
	2009 - 10	272	0.041	11	17	0	28
	2010 - 11	259	0.041	10	16	0	27
	2011 - 12	259	0.041	10	15	0	26

This standard Cohort Survival Enrollment Projections is the projection that is recommended by NJ DOE.

This standard projection indicates a decrease of about 118 students or 5% over the next five years, the standard projection period.

Is the standard projection acceptable? Will trends stay the same?

On the following pages we look at future residential development and existing home sales, the two largest Factors impacting changes in enrollment

Pre Kindergarten

		Births 3 Yrs Ago	Births 4 Yrs Ago	Pre K 3 Yr Olds	Pre K 4 Yr Olds	Pre K Total
Historic	2001 - 02	162	173	0	0	0
	2002 - 03	162	162	0	0	0
	2003 - 04	178	162	0	0	0
	2004 - 05	157	178	0	0	0
	2005 - 06	175	157	0	0	0
	2006 - 07	156	175	0	0.0057	1
Projected	2007 - 08	135	156	0	0.1486	0
	2008 - 09	140	135	0	0.1286	0
	2009 - 10	133	140	0	0.1329	0
	2010 - 11	126	133	0	0.1264	0
	2011 - 12	126	126	0	0.120	0

District Summary

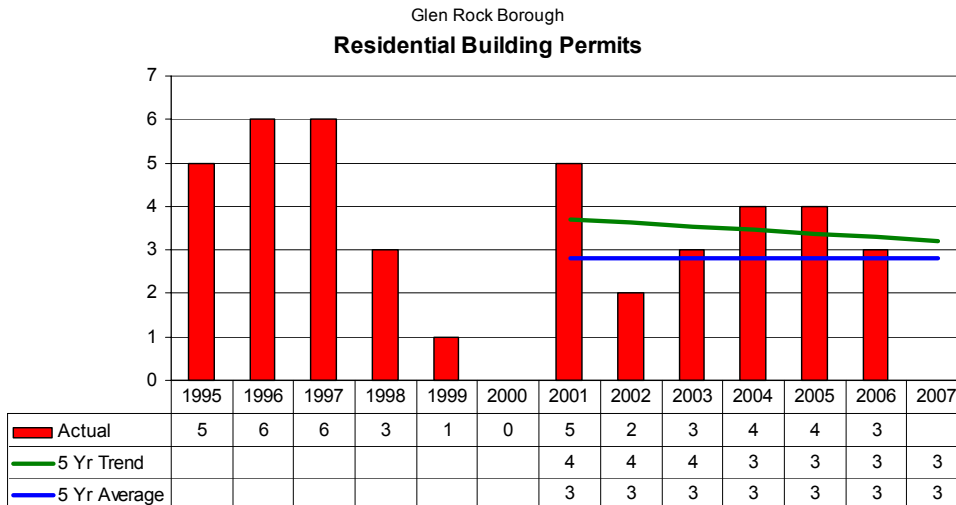
		Pre K Total	SCSE Total	Gen'l Educ	District Total
Historic	2001 - 02	0	28	2205	2233
	2002 - 03	0	19	2319	2338
	2003 - 04	0	26	2345	2371
	2004 - 05	0	35	2381	2416
	2005 - 06	0	42	2428	2470
	2006 - 07	1	39	2434	2474
Projected	2007 - 08	0	29	2425	2454
	2008 - 09	0	28	2423	2451
	2009 - 10	0	28	2387	2415
	2010 - 11	0	27	2354	2381
	2011 - 12	0	26	2330	2356





Residential Permitting And New Subdivisions

The six year average of building permits for the period 2001-05 is 3 units per year, and is a level used in further analysis of enrollments as we look at the future of residential development.



Residential permitting in the last 5-years has averaged only three units per year.

SOURCE: NJ Department of Labor & Industry www.wnjin.state.nj.us

A telephone interview on October 16, 2006 with Nancy Piller, Planning Board Secretary, documented only one recent subdivision approval with no other known planned subdivisions under consideration.

The approved subdivision is for Kara Homes for 18 market rate Townhouses (all 2-Bedroom) and two Low and Moderate Income units (1Bedroom and 3-Bedroom). Kara Homes declared bankruptcy in mid-October 2006. For purposes of this report, it is assumed that Kara will reorganize and move forward with the project or sell it to a developer who will move forward with it.

That project, utilizing Children by Unit Type multipliers derived from the 2000 U S Census and confirmed by the beta-level report from Rutgers Urban Planning Department is for 4 children to be generated, not a particularly significant number in a 2400+ student district.

An approved subdivision of 20 Townhouses will generate only 4 additional children.

No adjustment to the standard projection, based on new residential development, is warranted.

Unit Type	# Units	K-12 Child per Unit	Total Child
2-Bdrm Townhouse	18	0.16	2.88
1 Bdrm Low & Mod	1	0.11	0.11
3 Bdrm Low & Mod	1	1.08	1.08
	20		4.07

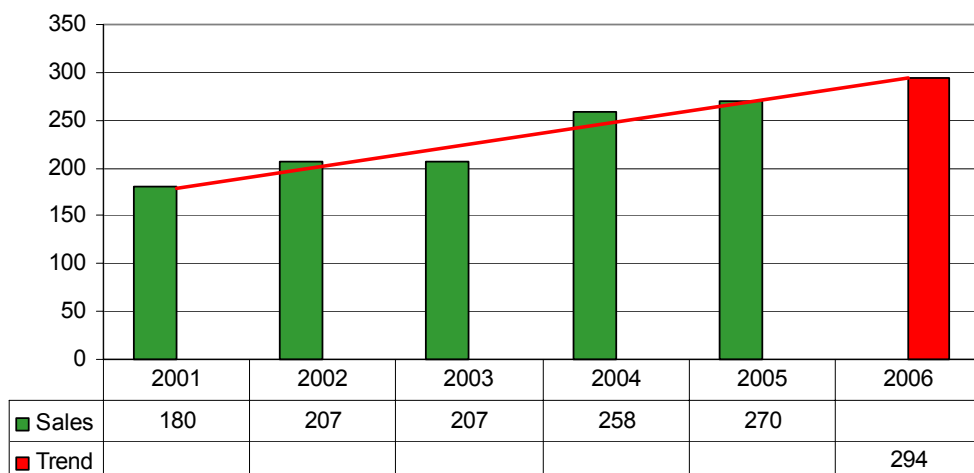


Existing Homes Residential Sales

Sales of existing homes in Glen Rock have been increasing about 25 units per year over the last several years from 180 in 2001 to a high of 270 in 2005. Trend analysis would project 294 re-sales in 2006 for which records are not yet available.

In 5 years 1122 homes have been resold. This is during a period when district enrollments increased about 250 students from 2470 in 2001 to 2233 in 2005.

Residential Sales



SOURCE: Bergen County SR1A residential sales records at TaxRecords.com

In 5 years, 1122 existing homes have been sold in Glen Rock.

This is during a period when district enrollments increased about 250 students ... from 2470 in 2001 ... to 2233 in 2005.

Since the birth rate is declining, the enrollment increase can only be due to in-migration of families with more children than those who are selling their homes.

Anecdotal evidence is that more seniors are leaving the area than was evident from 1990 to 2000 (about 9 per year) and are being replaced by families with children. These must be families with existing children since Birth Rate continues to decline. Older "established" families can more afford the premium housing prices in Glen Rock. This scenario is supported by the average grade level enrollment in the Middle School at 200 in comparison to the Elementary school at only 175 per grade level. While elementary enrollment is stable, both middle school and high school enrollments have risen.

The increase in existing home sales is a continuously increasing trend, the impact which is accounted for in the standard Cohort Survival analysis.

No adjustments are required to the standard projection, based on existing home sales.

However, it is in-migration from these existing home sales that has caused the recent increase in school enrollment.

District Wide Enrollment Projections

Enrollment in the school district will decrease from a six-year historic high of 2474 students per year in the current school year to a projected Enrollment of 2356 in school year 2011-12

Historic growth of nearly 50 students per year will reverse to a projected decline of 24 students per year.

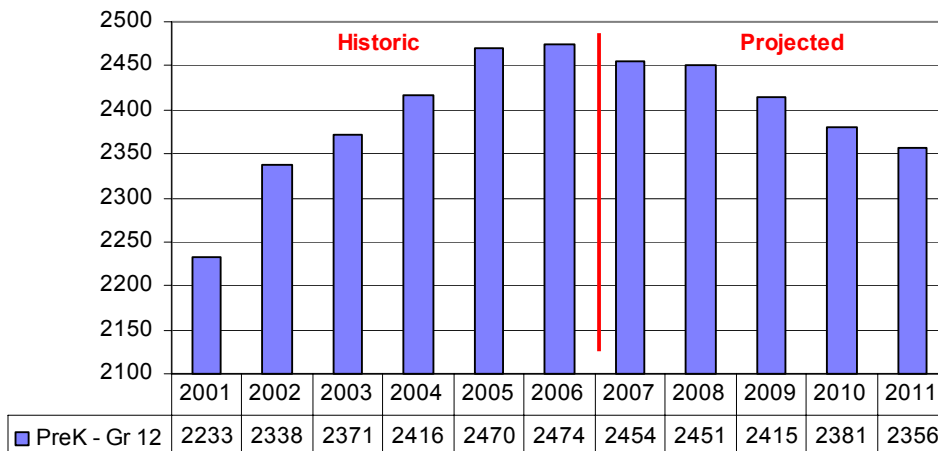
The recent downturn in the residential resale market, nationwide and in New Jersey, supports this projection; as well as a declining birth rate.

Enrollment decline is most obvious in the average grade level sizes which in the Middle and High School will remain stable, while declining from 229 to 200 in each elementary grade level.

Glen Rock Borough school enrollments will decrease from a current level of 2474 students to a projected year 2011 level of 2356 , a loss of 118 students or 5%.

High School will gain 27 students while the elementary schools will lose 146 students.

PreK - Gr 12



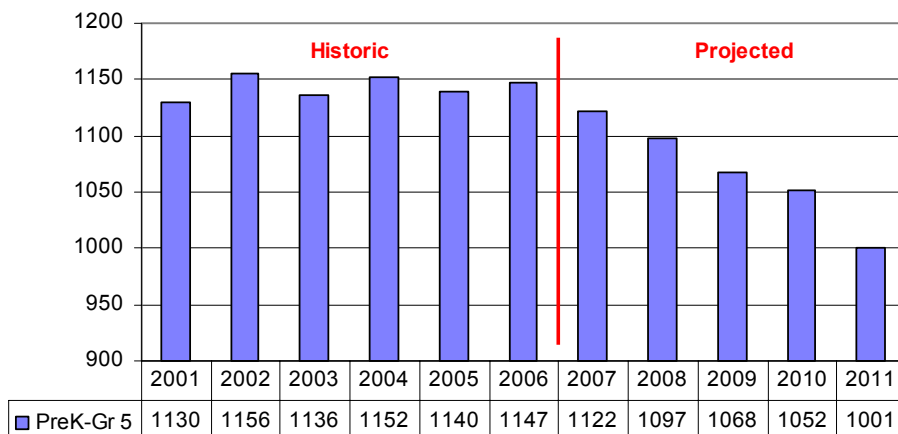
Pre K to Grade 5 Enrollment Projections

Elementary School enrollments in the historic period were stable at ± 10 students around an average of 1143 students.

Elementary enrollments are projected to decline to 1001 students, a decline of 146 students or about 24 per grade level.

Of these, 10 will be PreK Special Education students and 15 will be K-Gr 5 Self-Contained Special Education students.

PreK-Gr 5



Grades PreK to Gr 5 combined enrollments will decrease from a current level of 1,147 to a projection period low of 1001 students in 2011-12.

A year-by-year summary of findings is as follows;

		Pre-K Gr K-5									
		PK4	K	Gr 1	Gr 2	Gr 3	Gr 4	Gr 5	SCSE	SCSE	TOTAL
Historic	2001 - 02	0	163	169	206	187	185	192	12	16	1130
	2002 - 03	0	185	177	174	219	191	191	11	8	1156
	2003 - 04	0	152	194	178	177	221	188	13	13	1136
	2004 - 05	0	159	170	203	186	178	221	20	15	1152
	2005 - 06	0	175	175	178	201	188	181	17	25	1140
	2006 - 07	1	171	201	171	188	196	182	8	29	1147
Projected	2007 - 08	0	137	188	205	177	189	196	12	17	1122
	2008 - 09	0	147	151	192	212	178	189	11	17	1097
	2009 - 10	0	134	161	155	199	213	178	11	17	1068
	2010 - 11	0	140	148	165	160	200	213	10	16	1052
	2011 - 12	0	140	154	151	170	161	200	10	15	1001

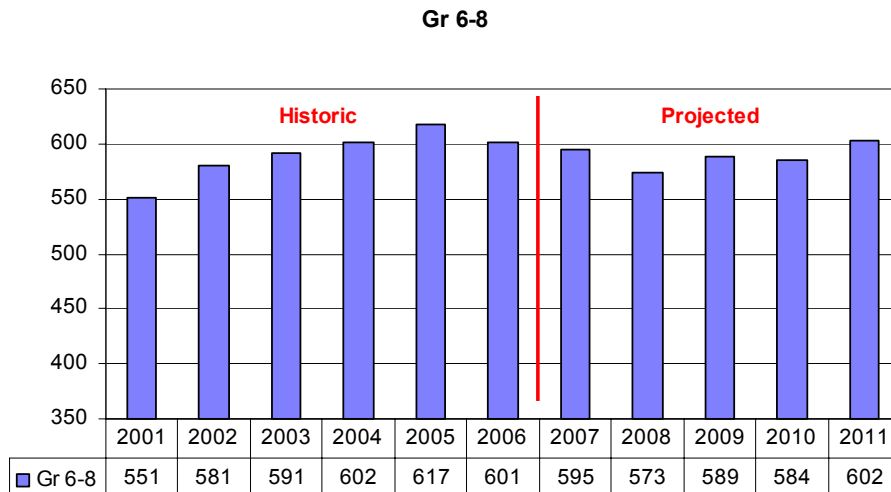
Children in standard K-Gr 5 classrooms will decrease from 184 per grade level in the current year to 162 per grade level in the final year of the projection.

Grades 6- 8

Enrollment Projections

Grades 6-8 enrollments grew by 66 students over 5 years before declining by 16 students in the current year..

Enrollments are projected to continue a slight decline to 573 students before returning to current levels at the end of the projection.



Grades 6-8 enrollments which peaked at 617 students in the historic period, will decline past the current level of 601 to a low of 573 students before returning to a level of 602.

A year-by-year summary of findings is as follows;

		Gr 6-8				
		Gr 6	Gr 7	Gr 8	SCSE	TOTAL
Historic	2001 - 02	179	188	184	0	551
	2002 - 03	208	182	191	0	581
	2003 - 04	201	208	182	0	591
	2004 - 05	195	200	207	0	602
	2005 - 06	224	194	199	0	617
	2006 - 07	180	225	194	2	601
Projected	2007 - 08	189	180	225	0	595
	2008 - 09	203	189	181	0	573
	2009 - 10	196	204	189	0	589
	2010 - 11	184	196	204	0	584
	2011 - 12	221	185	196	0	602

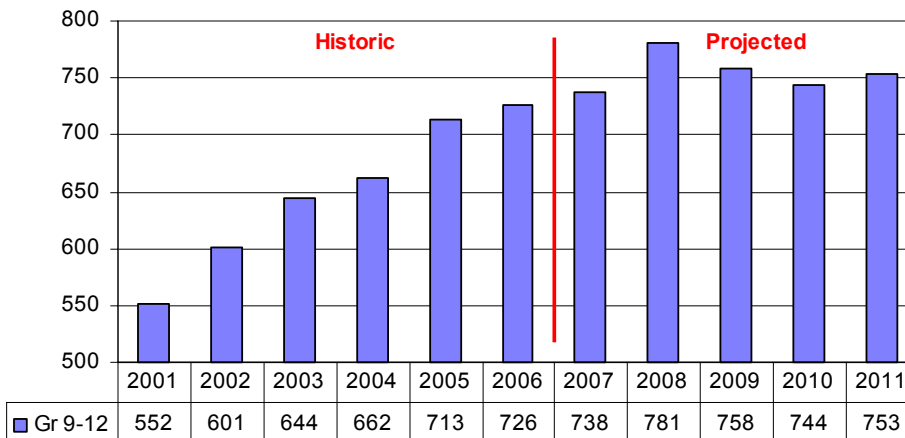
Enrollments will change only ± 10 students per grade level over the five-year projection.

Grade 9-12 Enrollment Projections

High School enrollments grew by 174 students over the last six years to a high of 726 students.

Enrollments are projected to continue to grow by an additional 55 students over the next two years to 781 students before decreasing to ± 750 students.

Gr 9-12



Grades 9-12 enrollments, which peaked at 726 students in the historic period, will peak at 781 in the projected period, before declining to 753 students.

A year-by-year summary of findings is as follows;

		Gr 9-12					TOTAL
		Gr 9	Gr 10	Gr 11	Gr 12	scSE	
Historic	2001 - 02	141	142	139	130	0	552
	2002 - 03	173	143	145	140	0	601
	2003 - 04	172	181	147	144	0	644
	2004 - 05	165	176	177	144	0	662
	2005 - 06	194	166	178	175	0	713
	2006 - 07	189	194	171	172	0	726
Projected	2007 - 08	180	192	197	169	0	738
	2008 - 09	209	183	195	194	0	781
	2009 - 10	167	213	186	192	0	758
	2010 - 11	175	170	215	183	0	744
	2011 - 12	189	179	173	213	0	753

Appendix: NJ DOE Cohort Survival Worksheet

Table 1 - **5 Year Standard and Extended Enrollment Projections
by Grade Level and Year**

Standard Cohort Survival Methodology as recommended
by the New Jersey Department of Education

Table 2 - Profile of **General Demographics Characteristics** 2000
Glen Rock Borough, US Census Bureau



Cohort-Survival Enrollment Projection Worksheet

DISTRICT NAME: 1760 - Glen Rock Borough

COUNTY: 03 - Bergen

DIRECTIONS: The historic enrollments are based on the Fall Reports. The birth data is from the New Jersey Department of Vital Statistics.
Special education (SCSE) only pertains to self-contained students and should be excluded from the general education grade level totals.
Birth and enrollment data should be entered in all red outlined cells.

LRFP WEBSITE FALL REPORT AND BIRTH DATA ISSUES: Births 5 Yrs ago for school year 2010-11 and following is the average of the prior 3 years.

"s" = survival rate

School Year	Births 5 Yrs. Ago	"s"	K 1/2 d	1st Gr. "s"	2nd Gr. "s"	3rd Gr. "s"	4th Gr. "s"	5th Gr. "s"	K-5 Subt.	SCSE	K-5 Total (excl. PK)	PK SCSE	PK 3 yrs.	PK 4yrs.	PK-5 Total	6th Gr. "s"	7th Gr. "s"	8th Gr. "s"	6-8 Subt.	SCSE	6-8 Total	9th Gr. "s"	10th Gr. "s"	11th Gr. "s"	12th Gr. "s"	9-12 Subt.	SCSE	9-12 Total	PK Subt. excl. SCSE	K-12 Subt. excl. SCSE	K-12 Total	PK-12 Total
HISTORIC DATA																																
2001-02	162	1.006	163	169	206	187	185	192	1102	16	1118	12	0	0	1130	179	188	184	551	0	551	141	142	139	130	552	0	552	12	2205	2221	2233
			1.086	1.030	1.063	1.021	1.032									1.083	1.017	1.016				0.940	1.014	1.021	1.007							
2002-03	162	1.142	185	177	174	219	191	191	1137	8	1145	11	0	0	1156	208	182	191	581	0	581	173	143	145	140	601	0	601	11	2319	2327	2338
			1.049	1.006	1.017	1.009	0.984									1.052	1.000	1.000				0.901	1.046	1.028	0.993							
2003-04	178	0.854	152	194	178	177	221	188	1110	13	1123	13	0	0	1136	201	208	182	591	0	591	172	181	147	144	644	0	644	13	2345	2358	2371
			1.118	1.046	1.045	1.006	1.000									1.037	0.995	0.995				0.907	1.023	0.978	0.980							
2004-05	157	1.013	159	170	203	186	178	221	1117	15	1132	20	0	0	1152	195	200	207	602	0	602	165	176	177	144	662	0	662	20	2381	2396	2416
			1.101	1.047	0.990	1.011	1.017									1.014	0.995	0.995				0.937	1.006	1.011	0.989							
2005-06	175	1.000	175	175	178	201	188	181	1098	25	1123	17	0	0	1140	224	194	199	617	0	617	194	166	178	175	713	0	713	17	2428	2453	2470
			1.149	0.977	1.056	0.975	0.968									0.994	1.004	1.000				0.950	1.000	1.030	0.966							
2006-07	156	1.096	171	201	171	188	196	182	1109	29	1138	8	0	1	1147	180	225	194	599	2	601	189	194	171	172	726	0	726	9	2434	2465	2474
Average Survival Rate	1.018		1.100	1.021	1.034	1.004	1.000		% Pop 6 Yr	2%						1.036	1.002	1.001	% Pop 6 Yr	0%		0.927	1.018	1.014	0.987							
PROJECTIONS																																
2007-08	135	1.018	137	188	205	177	189	196	1093	17	1110	12	0	0	1122	189	180	225	594	0	595	180	192	197	169	738	0	738	12	2425	2442	2454
			1.100	1.021	1.034	1.004	1.000									1.036	1.002	1.001				0.927	1.018	1.014	0.987							
2008-09	144	1.018	147	151	192	212	178	189	1069	17	1086	11	0	0	1097	203	189	181	573	0	573	209	183	195	194	781	0	781	11	2423	2440	2451
			1.100	1.021	1.034	1.004	1.000									1.036	1.002	1.001				0.927	1.018	1.014	0.987							
2009-10	132	1.018	134	161	155	199	213	178	1040	17	1057	11	0	0	1068	196	204	189	589	0	589	167	213	186	192	758	0	758	11	2387	2403	2415
	3 Yr Avg		1.100	1.021	1.034	1.004	1.000									1.036	1.002	1.001				0.927	1.018	1.014	0.987							
2010-11	137	1.018	140	148	165	160	200	213	1025	16	1041	10	0	0	1052	184	196	204	584	0	584	175	170	215	183	744	0	744	11	2354	2370	2381
			1.100	1.021	1.034	1.004	1.000									1.036	1.002	1.001				0.927	1.018	1.014	0.987							
2011-12	137	1.018	140	154	151	170	161	200	975	15	990	10	0	0	1001	221	185	196	602	0	602	189	179	173	213	753	0	753	11	2330	2346	2356
Change # Students									-134		-148		-146				3		1				27		27				-118			
Change % Students									-12%		-13%		-13%				0%		0%				4%		4%				-5%			

CERTIFICATION:
(complete one)

The above information is prepared and certified by the district.

District Representative Name:

Title:

Signature:

The above information is prepared and certified by a qualified demographer.

Firm Name: Sundance Associates 117 Greenvale Ct. Cherry Hill NJ 08034

Name: George B. Sundell Tel 856-755-0174 Email: GSundell1@comcast.net

Signature: George B Sundell Date: November 29, 2006




Table DP-1. Profile of General Demographic Characteristics: 2000

Geographic Area: Glen Rock borough, New Jersey

[For information on confidentiality protection, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
Total population	11,546	100.0	HISPANIC OR LATINO AND RACE		
SEX AND AGE			Total population	11,546	100.0
Male.....	5,622	48.7	Hispanic or Latino (of any race).....	314	2.7
Female.....	5,924	51.3	Mexican.....	37	0.3
Under 5 years.....	962	8.3	Puerto Rican.....	99	0.9
5 to 9 years.....	1,048	9.1	Cuban.....	57	0.5
10 to 14 years.....	939	8.1	Other Hispanic or Latino.....	121	1.0
15 to 19 years.....	591	5.1	Not Hispanic or Latino.....	11,232	97.3
20 to 24 years.....	306	2.7	White alone.....	10,163	88.0
25 to 34 years.....	954	8.3	RELATIONSHIP		
35 to 44 years.....	2,214	19.2	Total population	11,546	100.0
45 to 54 years.....	1,874	16.2	In households.....	11,492	99.5
55 to 59 years.....	624	5.4	Householder.....	3,977	34.4
60 to 64 years.....	455	3.9	Spouse.....	2,986	25.9
65 to 74 years.....	742	6.4	Child.....	4,076	35.3
75 to 84 years.....	644	5.6	Own child under 18 years.....	3,303	28.6
85 years and over.....	193	1.7	Other relatives.....	298	2.6
Median age (years).....	39.5	(X)	Under 18 years.....	67	0.6
18 years and over.....	8,151	70.6	Nonrelatives.....	155	1.3
Male.....	3,850	33.3	Unmarried partner.....	55	0.5
Female.....	4,301	37.3	In group quarters.....	54	0.5
21 years and over.....	7,945	68.8	Institutionalized population.....	-	-
62 years and over.....	1,829	15.8	Noninstitutionalized population.....	54	0.5
65 years and over.....	1,579	13.7	HOUSEHOLD BY TYPE		
Male.....	660	5.7	Total households	3,977	100.0
Female.....	919	8.0	Family households (families).....	3,322	83.5
RACE			With own children under 18 years.....	1,742	43.8
One race.....	11,447	99.1	Married-couple family.....	2,986	75.1
White.....	10,399	90.1	With own children under 18 years.....	1,623	40.8
Black or African American.....	209	1.8	Female householder, no husband present.....	269	6.8
American Indian and Alaska Native.....	18	0.2	With own children under 18 years.....	100	2.5
Asian.....	748	6.5	Nonfamily households.....	655	16.5
Asian Indian.....	115	1.0	Householder living alone.....	586	14.7
Chinese.....	138	1.2	Householder 65 years and over.....	366	9.2
Filipino.....	73	0.6	Households with individuals under 18 years.....	1,785	44.9
Japanese.....	143	1.2	Households with individuals 65 years and over.....	1,121	28.2
Korean.....	244	2.1	Average household size.....	2.89	(X)
Vietnamese.....	-	-	Average family size.....	3.22	(X)
Other Asian ¹	35	0.3	HOUSING OCCUPANCY		
Native Hawaiian and Other Pacific Islander.....	2	-	Total housing units	4,024	100.0
Native Hawaiian.....	2	-	Occupied housing units.....	3,977	98.8
Guamanian or Chamorro.....	-	-	Vacant housing units.....	47	1.2
Samoan.....	-	-	For seasonal, recreational, or		
Other Pacific Islander ²	-	-	occasional use.....	2	-
Some other race.....	71	0.6	Homeowner vacancy rate (percent).....	0.5	(X)
Two or more races.....	99	0.9	Rental vacancy rate (percent).....	1.3	(X)
Race alone or in combination with one			HOUSING TENURE		
or more other races: ³			Occupied housing units	3,977	100.0
White.....	10,493	90.9	Owner-occupied housing units.....	3,672	92.3
Black or African American.....	232	2.0	Renter-occupied housing units.....	305	7.7
American Indian and Alaska Native.....	25	0.2	Average household size of owner-occupied units.....	2.93	(X)
Asian.....	797	6.9	Average household size of renter-occupied units.....	2.42	(X)
Native Hawaiian and Other Pacific Islander.....	2	-			
Some other race.....	103	0.9			

- Represents zero or rounds to zero. (X) Not applicable.

¹ Other Asian alone, or two or more Asian categories.² Other Pacific Islander alone, or two or more Native Hawaiian and Other Pacific Islander categories.³ In combination with one or more of the other races listed. The six numbers may add to more than the total population and the six percentages may add to more than 100 percent because individuals may report more than one race.

Source: U.S. Census Bureau, Census 2000.