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Reynolds School District Population and Enrollment Forecasts, 2007-08 to 2017-18

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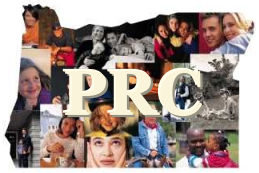

February, 2008

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POPULATION AND ENROLLMENT FORECASTS
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Prepared By
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Portland State University

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EXECUTIVE SUMMARY

Since 1997-98, Reynolds School District (RSD) overall K-12 enrollment has increased by 28 percent, from 8,452 students in 1997-98 to 10,815 in 2007-08, with most of the growth occurring between 1998-99 and 2003-04. After one year with little enrollment change (2004-05), the district has added 452 students in the most recent three years.

This report presents the results of a study conducted by the Portland State University Population Research Center (PRC) concluding that the most likely scenario for future RSD enrollment is for slow growth in K-12 enrollment during the next five years until 2012-13, and slightly faster growth in the following five year period between 2012-13 and 2017-18.

PRC's methodology links enrollment trends with the area's population dynamics. Employment and population growth are expected to continue in the Portland metropolitan area, so demand for housing within the RSD's boundaries should remain strong. The City of Troutdale and East Portland will account for most of the District's population growth due to the number of residential developments approved since 2000.

In the 20 year population forecast that we characterize as the "middle series," the District adds about 30,700 persons overall, growing from about 61,300 in 2000 to 92,000 in 2020. The forecast population growth averages 2 percent annually, much higher than the 0.7 percent annual growth rate forecast in the State of Oregon Office of Economic Analysis' most recent long-range forecast for Multnomah County.[1] Population estimates for 2007 indicate that about 4,027 residents have already been added in Fairview, Troutdale, and Wood Village since the 2000 Census. However, population estimates for the parts of Portland and Gresham in RSD are unavailable as are current population estimates for the district.

[1] County growth rate for 2000-2040 from "Forecasts of Oregon's County Populations and Components of Change, 2000 to 2040." Oregon Department of Administrative Services, Office of Economic Analysis, April, 2004.

This study also provides analysis of recent demographic and enrollment trends in the District. There are about 1,200 RSD students living in the 4,041 housing units built between 2000 and 2006, and enrollment has increased by about 1400 students during the period. The "Population and Housing Trends, 1990 to 2007" and "Enrollment Trends" sections describe the relationships between the District's age structure, birth trends, and enrollment, and larger demographic trends affecting Oregon and the United States.

The middle series population and enrollment forecasts are based on the assumptions that:

- Ongoing residential development within the RSD will result in more school-age children moving into the District than out of it, allowing K-12 enrollment to maintain recent trends for the next few years,

- Increasing numbers of births within the District related to an increasing young adult population will cause enrollment to increase after 2011,

- Fertility rates remain at recent levels, and

- Population age 20 to 39 will continue to grow and, the district will continue to attract new residents in their 20s, due to its relatively large stock of rental apartments and its proximity to employment and other urban amenities.

Table 1 contains recent historic and forecast enrollments for the District's grade level groups in five year intervals. Following the table is a brief summary of the middle series forecasts. Assumptions for alternate low and high series forecasts are presented in the "Enrollment Forecasts" section, and these alternate forecasts are tabulated in detail in the Appendix.

Table 1
Historic and Forecast Enrollment
Reynolds School District by School Level

	Actual		MID SERIES Forecast	
	2002-03	**2007-08**	**2012-13**	**2017-18**
K-5	5,114	5,262	5,654	6,290
5 year growth		*148*	*392*	*636*
6-8	2,488	2,558	2,648	2,885
5 year growth		*70*	*90*	*237*
9-12	2,582	2,995	3,010	3,199
5 year growth		*413*	*15*	*189*
Total	**10,184**	**10,815**	**11,312**	**12,374**
5 year growth		***631***	***497***	***1,062***

District-wide Enrollment Forecast Summary

- Overall K-12 enrollment will grow by about 500 students in the first five years of the forecast between 2007-08 and 2012-13.

- Total K-12 enrollment will grow by over 1,000 students in the following five year period between 2012-13 and 2017-18.

- Between now and 2012-13, there will be a seven percent increase in elementary enrollment but relatively stable middle school and high school enrollments attributable to recent stability in elementary enrollment.

- Between 2012-13 and 2017-18, elementary enrollment will grow by about 640 students, or eleven percent.

- Between 2012-13 and 2017-18, middle school enrollment will grow by nearly 240 students (nine percent), and high school enrollment will grow by almost 190 students (six percent).

INTRODUCTION

The Reynolds School District (RSD) requested that the Portland State University Population Research Center (PRC) prepare enrollment forecasts for use in the District's long-range planning. This study integrates information about RSD enrollment trends with local area population, housing, and economic trends, and includes a population forecast for the District as well as forecasts of district-wide enrollment by grade level and total enrollment for individual schools for the period between 2008-09 and 2017-18. Information sources include the U.S. Census Bureau, birth data from the Oregon Center for Health Statistics, county population forecasts from the Oregon Office of Economic Analysis, employment trends and forecasts from the Oregon Employment Department, interviews with local officials, and geographic data from Multnomah County GIS, and Metro's Regional Land Inventory System (RLIS).

The District, formed from the 1954 consolidation of the Fairview, Troutdale, and Wilkes Elementary Districts, serves parts of Portland and Gresham and the cities of Fairview, Wood Village, and Troutdale. The district's geography extends from NE 141st Avenue on the west to the Sandy River on the east and, from the Columbia River on the north to SE Market Street and SE Stark Street on the south. Census data from the year 2000 characterized the District's population as 99.9 percent urban.

Following this introduction are sections presenting recent population, housing, and enrollment trends within the District. Next are the results of the district-wide population and enrollment forecasts and individual school forecasts and a description of the forecast methodology. The final section contains a brief discussion of the nature and accuracy of forecasts, and appendices present alternate low and high forecast scenarios and a one page profile for each of the District's schools showing its enrollment history and forecasts, and population and housing trends within its attendance area.

We would like to acknowledge the help of the following individuals who contributed to the study by answering questions, providing local insight, or providing data:

- Marie Kizar, City of Fairview and Wood Village
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- Jodi Seaburn, Multnomah Educational Service District
- Aimee Travis, Reynolds School District

POPULATION AND HOUSING TRENDS, 1990 to 2007

During the decade between 1990 and 2000, total population within the RSD grew by 36 percent, from 42,666 persons to 61,257. Multnomah County grew by 12 percent overall, and the state of Oregon grew by 19 percent. Although Wood Village grew by only 2 percent during the decade, both Fairview (115 percent) and Troutdale (56 percent) grew at faster rates than the county and state, together adding about 11,100 persons to the RSD. Since 2000, Fairview, Troutdale, and Wood Village have added an additional 4,027 residents to the RSD. Portland grew by 19 percent between 1990 and 2000, adding 90,088 persons and, 41,394 more since 2000. Gresham grew by 28 percent, adding 21,956 persons, and 9,020 more since 2000. Table 2 shows the 1990 and 2000 census counts and 2007 population estimates for the RSD Cities, County, and State, with 1990 and 2000 census counts for the district.

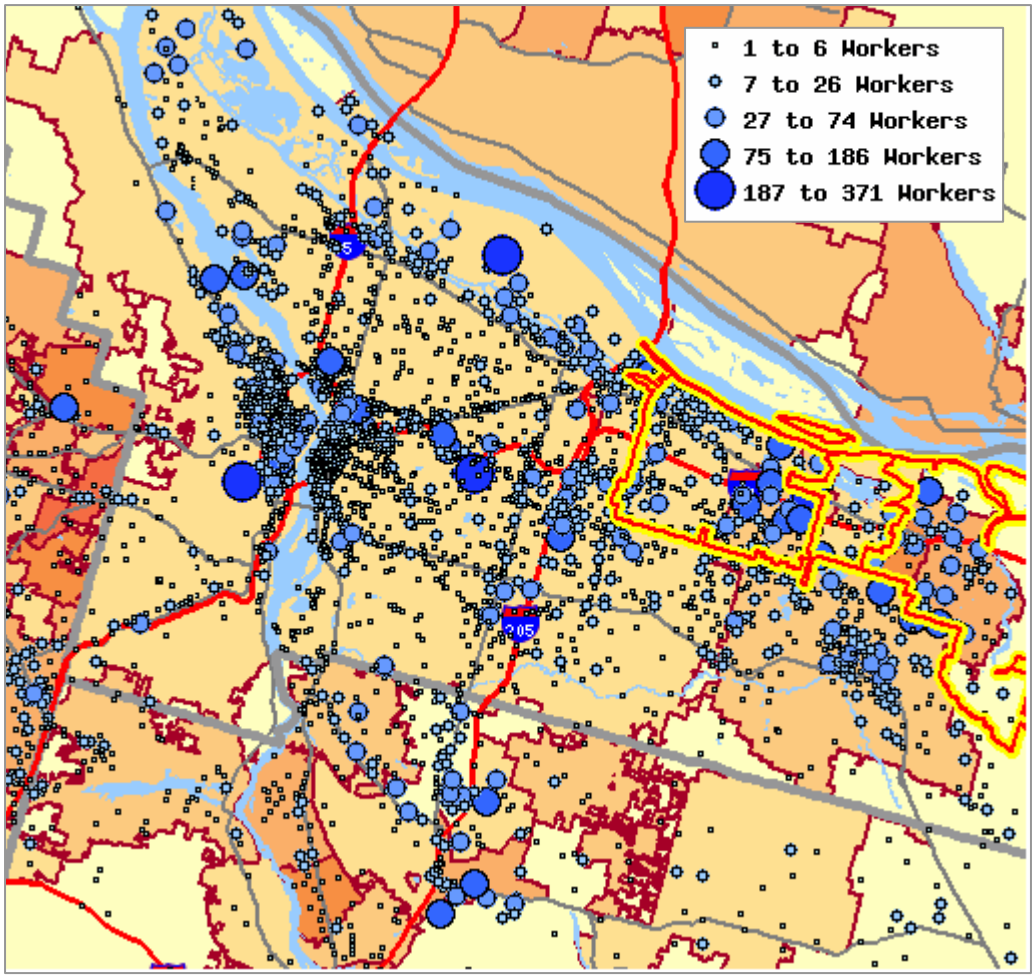
Table 2
Reynolds School District, City and County Population, 1990, 2000, and 2007

	1990 Census	2000 Census		Avg. Annual Growth Rate	
	April 1, 1990	April 1, 2000	July1, 2007	1990-2000	2000-2006
State of OREGON	2,842,321	3,421,399	3,745,455	1.9%	1.4%
RSD Total	42,666	61,257	N/A	3.6%	
City					
Fairview	2,391	7,561	9,695	11.5%	4.0%
Gresham	68,249	90,205	99,225	2.8%	1.5%
Portland	436,898	526,986	568,380	1.9%	1.2%
Troutdale	7,852	13,777	15,430	5.6%	1.8%
Wood Village	2,814	2,860	3,100	0.2%	1.3%
Multnomah County	583,887	660,486	710,025	1.2%	1.2%

Sources: U.S. Census Bureau, 1990 and 2000 censuses; Portland State University Population Research Center, July 1, 2007 estimates.

The RSD is primarily urban and most of the population growth in the area is attributable to it being part of the Portland metropolitan area's large job market. Among private sector workers living in the area in 2004, more held jobs in Portland (53 percent) and Gresham (13 percent) than in Fairview (1 percent) and Troutdale (3 percent). Multnomah County accounted for 71 percent of RSD residents' private sector jobs, while 11 percent worked in Clackamas County and 11 percent in Washington County.[2] The dots on Map 1 below indicate the places of work in 2004 for residents of the RSD area approximated by the 97230, 97024, and 97060 zip code areas.

Map 1
Place of Work of RSD Area Residents, 2004



[2] U.S. Census Bureau, LED Origin-Destination Database (2nd quarter 2004). Commute shed report for residents of 97230, 97024, and 97060 zip code areas, which are entirely or partially contained in the RSD. Created online at http://lehd.dsd.census.gov/led/datatools/onthemap.html.

Population by Age Group

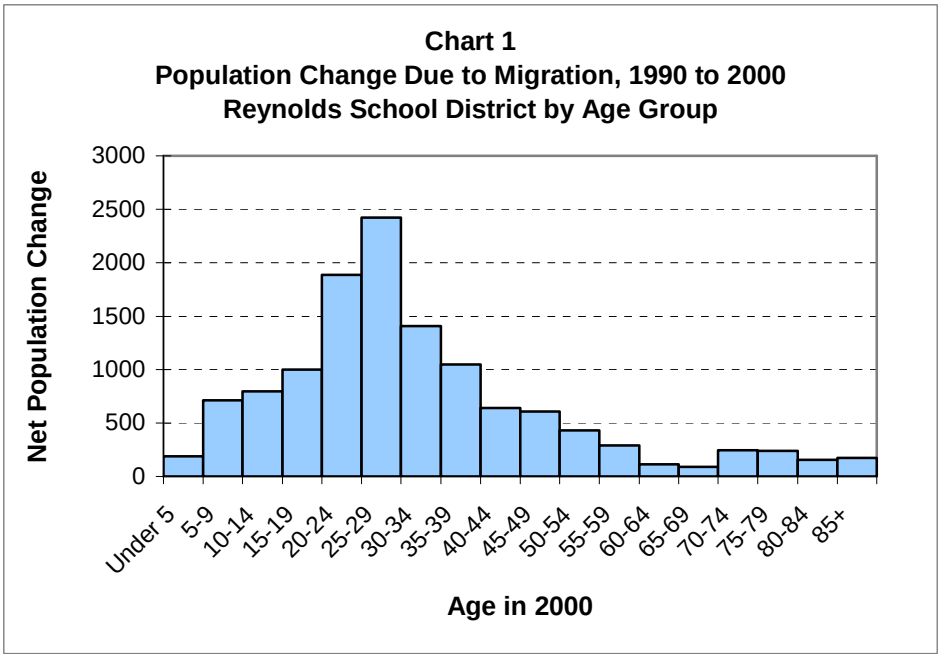
Population by age group for 1990 and 2000 is reported in Table 3 below. The largest numbers of adults in 2000 were in their 20s and 30s, a younger population that outnumbered "baby boomers" in their 40s and 50s. Every age group gained population between 1990 and 2000. In 2000, 18.6 percent of the District's population was of school age (5 to 17), up from 18.3 percent in 1990. In spite of the increase, the RSD's share of population age 5 to 17 was similar to the Portland metropolitan area's 18.4 percent share. School-age population grew by 46 percent in the 1990s, a higher rate than the 44 percent increase for overall population. The increase in school age population in the early 2000s was precipitated by the large population under age five in 2000 compared with the slightly smaller population age 5 to 9.

Table 3
Population by Age Group
Reynolds School District, 1990 and 2000

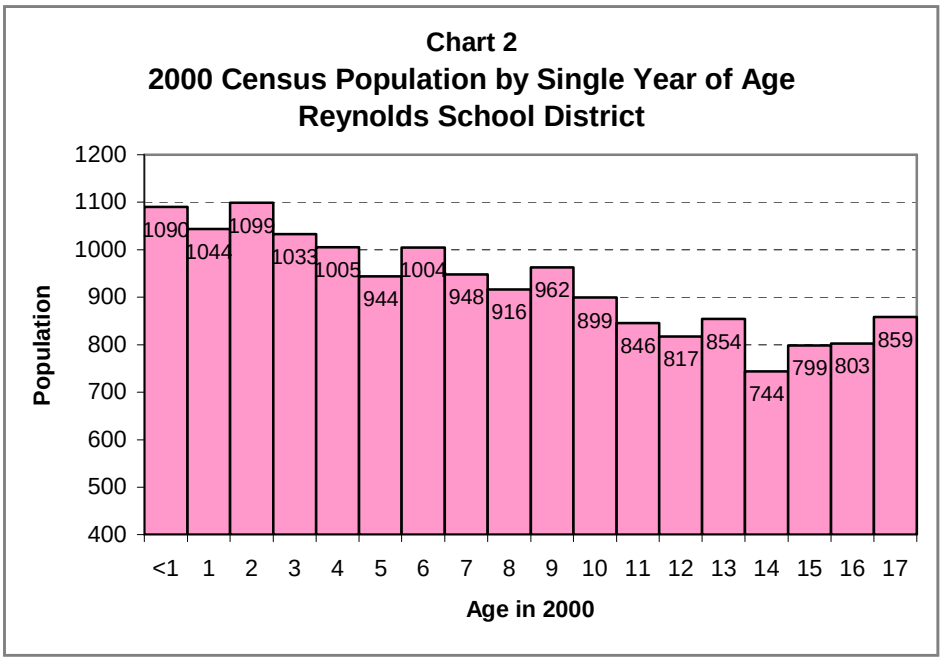
			1990 to 2000 Change	
	1990	2000	Number	Percent
Under Age 5	3,369	5,270	1,901	*56%*
Age 5 to 9	3,227	4,775	1,548	*48%*
Age 10 to 14	2,935	4,161	1,226	*42%*
Age 15 to 17	1,647	2,460	814	*49%*
Age 18 to 19	1,161	1,756	596	*51%*
Age 20 to 24	3,383	4,799	1,416	*42%*
Age 25 to 29	3,912	5,202	1,290	*33%*
Age 30 to 34	4,037	4,754	717	*18%*
Age 35 to 39	3,626	4,898	1,272	*35%*
Age 40 to 44	3,272	4,596	1,324	*40%*
Age 45 to 49	2,450	4,150	1,700	*69%*
Age 50 to 54	1,926	3,607	1,681	*87%*
Age 55 to 59	1,713	2,628	915	*53%*
Age 60 to 64	1,713	1,899	186	*11%*
Age 65 to 69	1,556	1,606	50	*3%*
Age 70 to 74	1,226	1,667	441	*36%*
Age 75 to 79	810	1,407	598	*74%*
Age 80 to 84	424	932	508	*120%*
Age 85 and over	280	689	409	*146%*
Total Population	**42,666**	**61,257**	**18,591**	***44%***
Total age 5 to 17	7,809	11,396	3,587	*46%*
share age 5 to 17	*18.3%*	*18.6%*		

Source: U.S. Census Bureau, 1990 and 2000 Censuses; data aggregated to RSD boundary by Portland State University Population Research Center.

Chart 1 shows the estimated population change that each age group contributed due to migration between 1990 and 2000. Net gains due to migration for all age groups are not typical of areas that are on the urban fringe. The RSD's attraction and gains, however, are attributable to its unique combination of affordable single-family and multi-family housing and easy access to employment opportunities and urban amenities among those who settle in the area. The area is a major destination for Hispanic, East European, and other recent immigrants.



In 2000 there were nearly 20,000 residents of age 20 to 29 and 30 to 39 compared with about 15,000 of age 40 to 49 and 50 to 59 in 2000. Because there are amenities (e.g., colleges) and relatively abundant multi-family or rental housing in the area, there may always be more young adults. However, the gap appears inconsistent with the contrast between the baby boom (40s and 50s) and baby bust (20s and early 30s) populations in the County and State overall. The age of children is closely related to the age of their parents, as younger adults have young children, and older adults are more likely to have teenagers or adult children. Chart 2 shows the child population in single year detail for the RSD in 2000. Census counts for ages 10 to 17 were significantly lower than those for ages six and under.



Births and Fertility Rates

Table 4 on the next page reports the number of births in the District annually from 1990 to 2005. The number of births each year to women living in the RSD fluctuated throughout the 1990s and 2000s, and averaged 1,174 annually in the most recent five years (2001 to 2005), up from an average of 1,069 in the previous five year period (1996 to 2000), and 829 in the five-year period 1991 to 1995. Because the area's overall population has increased since the 1990s, the increase in births is consistent with the higher population of women in their prime childbearing ages — 20s and 30s.

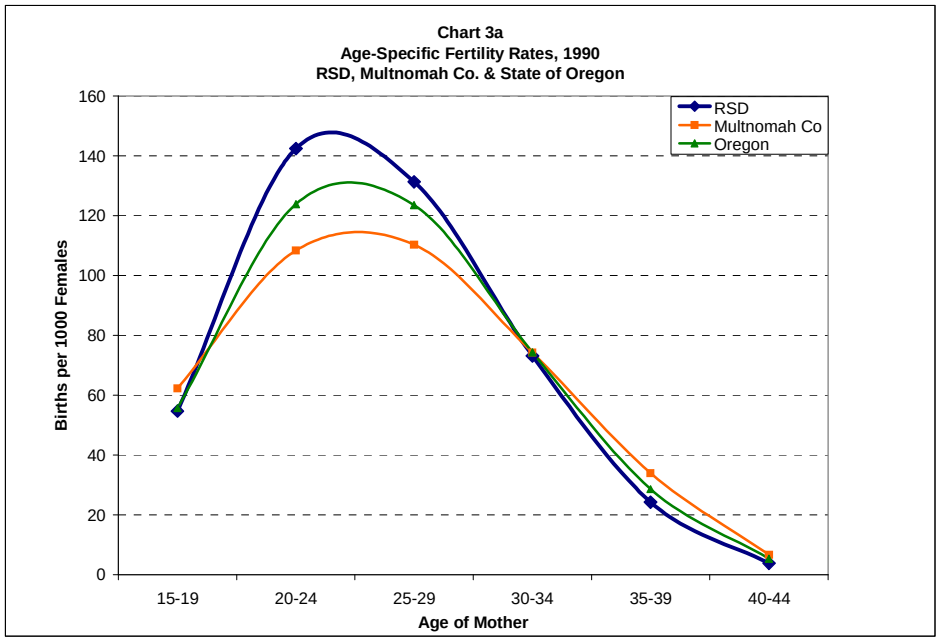
Table 4
Annual Births, 1990 to 2005
Reynolds School District

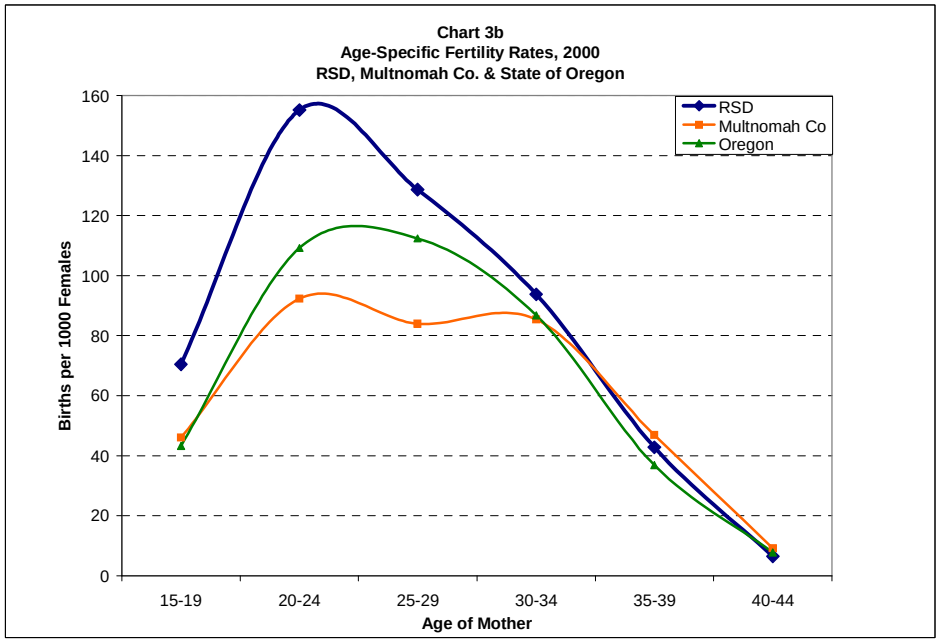
Year	Births
1990	773
1991	808
1992	805
1993	813
1994	877
1995	840
1996	939
1997	1,058
1998	1,075
1999	1,127
2000	1,147
2001	1,126
2002	1,179
2003	1,202
2004	1,150
2005	1,215

Source: PSU-PRC estimates using Oregon Center for Health Statistics zip code data and geocoded birth records.

Fertility rates for the RSD in 1990 and 2000 are shown in Charts 3a and 3b on the next page. For comparison, Multnomah County and State of Oregon fertility rates are also included. The District's rates were calculated for each age group by dividing the average annual number of births in the three year period around each census (1989 to 1991 and 1999 to 2001) by the female population counted in the census. For example, there were an average of 212 births per year to mothers age 30 to 34 in 1999 to 2001 and a population of 2,265 women age 30 to 34 counted in the 2000 Census. So the fertility rate in 2000 for women age 30 to 34 was 212/2265 = 0.094 births per female, or 94 per thousand. Chart 3b shows that RSD fertility rates for women age 20 to 29 in 2000 were higher than comparable rates for Multnomah County and the State of Oregon but slightly lower for women age 30 to 39.

In Oregon and Multnomah County between 1990 and 2000, fertility rates decreased for women under age 30 and increased for women age 30 and over. In the RSD, birth rates increased for women of all ages groups except those 25 to 29.





Another common measure of fertility is the Total Fertility Rate (TFR). This is an estimate of the number of children that would be born to the average woman during her childbearing years, based on age-specific fertility rates observed at a given time. The 2000 TFR for the District was 2.49, up from the 1990 rate of 2.15. The District's TFRs

were much higher than those in Multnomah County (1.98 in 1990 and 1.82 in 2000) and Oregon (2.06 in 1990 and 1.98 in 2000).

Housing Growth

During the 1990s, the number of housing units within the District's boundaries increased by 7,117 (41 percent), as shown in Table 5 below. The number of households (occupied housing units) increased by 39 percent. Table C1, in the appendix, provides more detail for specific types of housing including condominiums, floating homes (Marinas), and elderly (or nursing) homes.

Table 5
Reynolds School District
Housing and Household Characteristics, 1990 and 2000

			1990 to 2000 Change	
	1990	**2000**	**Number**	**Percent**
Housing Units	17,338	24,455	7,117	41%
Single Family	10,085	13,694	3,609	36%
Share of Total	58%	56%		
Multiple Family	5,857	8,656	2,799	48%
Share of Total	34%	35%		
Mobile Home and Other	1,396	2,106	710	51%
Share of Total	8%	9%		
Households	16,529	22,903	6,374	39%
Households with children under 18	6,106	8,741	2,635	43%
Share of Total	37%	38%		
Households with no children under 18	10,423	14,162	3,739	36%
Share of Total	63%	62%		
Household Population	42,353	61,404	19,051	45%
Persons per Household	2.56	2.68	0.12	5%

Source:U.S. Census Bureau, 1990 and 2000 Censuses; data aggregated to Reynolds boundary from Metro, RLIS 2006 by Portland State University Population Research Center.

Table 5 also shows that the growth rate for the number of households with children under 18 (43 percent) was higher than the 36 percent growth rate for households without children under 18, so the share of households in the RSD that included at least one child under the age of 18 increased from 37 percent in 1990 to 38 percent in 2000. The

average number of persons per household also increased, from 2.56 in 1990 to 2.68 in 2000.

Since 2000, the pace of residential development within the District has slowed somewhat. The slowdown has affected single family home construction most and a growing share of single-family homes has been attached rather than detached homes. Table C2, in the appendix, shows that new single family development is concentrated within the elementary school attendance areas (ESAAs) of Fairview, Margret Scott, Troutdale, and Woodland elementary schools, as these ESAAs accounted for about 75 percent of single family home development in the 2000s. New homes built in the 2000 to 2006 period are summarized in Table 6.

Table 6
Reynolds School District
Single and Multi Family Units Built 2000 to 2006

	Year Built							2000-06
Unit Type	**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**Total**
Single Family	250	224	244	221	187	196	347	1,669
Multi Family	266	285	22	269	726	356	174	2,098
District Total	**516**	**509**	**266**	**490**	**913**	**552**	**521**	**3,767**

Source: Data complied by PSU-PRC, using geographic shape files and attribute data from Metro Regional Land Inventory System (RLIS), August 2007. RLIS' source is Multnomah County GIS, supplemented by PRC research.

Table 6 shows that about 2,100 multiple family units were built between 2000 and 2006, for an average of 300 units per year. This is similar to the 1990-to-2000 annual average, but a growing number of multi-family units have been condominiums rather than rentals. Table C2 (see appendix) shows that recent multi-family development is concentrated in the ESAAs of Davis, Glenfair, Margret Scott, Troutdale, and Woodland elementary schools. However, Table 7 on the next page shows that the number of new multi-family units recently approved by building permits is not sufficient to ensure continued housing growth at or above recent levels.[3]

[3] U.S. Census Bureau, Residential Construction Branch. Data available for the U.S. and states at http://www.census.gov/const/www/C40/table2.html, and for counties and cities at http://censtats.census.gov/bldg/bldgprmt.shtml

Table 7
Reynolds School District Housing Units Authorized by Building Permits

	Fairview & Wood Village		Gresham*		Portland*		Troutdale		Total	
Permit Year	S.F.	M.F.	S.F.	M.F.	S.F.	M.F.	S.F.	M.F.	S.F.	M.F.
2000	186	0	48	60	4	21	20	55	**258**	**136**
2001	137	0	5	33	47	12	23	228	**212**	**273**
2002	122	0	63	79	102	65	23	4	**310**	**148**
2003	57	266	0	0	51	160	20	82	**128**	**508**
2004	101	15	0	45	16	143	122	5	**239**	**208**
2005	94	0	24	55	7	0	216	28	**341**	**83**
2006	114	2	56	33	44	1	122	0	**336**	**36**
2007	18	0	22	22	41	0	27	0	**108**	**22**
Total	**829**	**283**	**218**	**327**	**312**	**402**	**573**	**402**	**1,932**	**1,414**

Source: U.S. Census Bureau, "Annual new privately-owned residential building permits. *Gresham and Portland permits within the RSD allocated by PRC.

The area's growth is fueled by employment opportunities in the area and by the larger job markets of the metropolitan area, which in turn will determine demand for housing already approved and planned in the district. The experience of the recent past suggests that the demand for housing will continue at a moderate pace. But if there is a major economic slowdown causing regional demand for housing to drop severely, housing sales may slow within the District. Supply is also subject to fluctuate if the cost of raw materials and land continues to rise and housing prices stagnate. In this scenario it might not be profitable for property owners to develop their land, or they may prefer to wait for a more favorable development environment. The impact of future housing development on school enrollment will depend on the number of new homes and the share of those homes that are occupied by families with children.

ENROLLMENT TRENDS

In the past 10 years, the Reynolds School District has added just over 2,360 students to its enrollment, growing from 8,452 students in the 1997-98 school year to 10,815 in the current year (2007-08). To accommodate growth since 1997-98, the district opened one new elementary school and one new middle school.

Table 8 on page 19 summarizes October 1 enrollment history for the District by grade level. Ten years of enrollment data are shown in the table, providing symmetry with the PRC enrollment forecasts, which extend ten years into the future. Many of the historic and forecast comparisons included later in this report are shown in five year intervals. This time frame is particularly relevant for historic enrollment because the 1997-98 to 2002-03 enrollment trends differ from the 2002-03 to 2007-08 trends.

Total K-12 enrollment grew by just over 1,730 students in the 1997-98 to 2002-03 period, and just over 630 students in the 2002-03 to 2007-08 period. The average rate of growth in the first period (4 percent annually) was more than three times that in the second period (1.2 percent annually). But there were substantial differences between the two periods also at the elementary (K-5) and the middle school (6-8) levels. Enrollment in grades K-5 grew by more than 600 students between 1997-08 and 2002-03 but by only 100 students between 2002-03 and 2007-08. Similarly, enrollment in grades 6-8 grew by nearly 540 students between 1997-08 and 2002-03, but by only 70 students between 2002-03 and 2007-08. In contrast, high school enrollment continued to grow rapidly, adding about 560 students in the earlier period and 410 in the latter period. Migration of population to the district fueled much of elementary and middle school enrollment growth in the late 1990s. As Chart 1 on page 10 showed, the younger age groups were more likely to be part of the migration stream. As migration slowed in 2000, the elementary and middle school growth slowed, but momentum from previous growth moved into secondary grades.

Given the housing growth described in the previous section, it is understandable that enrollment has grown in recent years. Also, demographic trends such as the growth of the young adult population, increasing birth totals, and larger household sizes have enhanced the enrollment gains attributable to new housing. In Fall 2006 there were about 1,200 RSD students living in homes built since 2000. These students accounted for 11 percent of the District's enrollment in 2006-07.

Oregon districts that have added enrollment since 2000 have had either lots of housing growth, large increases in Latino enrollment, or both. The RSD has experienced a significant increase in Latino enrollment, from 15 percent in 2006-07 to 29 percent in 2006-07. Like the housing growth, Latino enrollment growth has offset other demographic influences that might have caused enrollment to decline.

Table 8

Reynolds School District, Historic Enrollment, 1997-98 to 2007-08

Grade	1997-98	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08
K	806	749	786	785	808	872	890	837	818	824	854
1	767	847	822	852	861	862	906	906	900	899	860
2	767	778	835	805	830	828	863	876	888	855	881
3	746	797	817	826	820	848	811	822	874	877	851
4	688	743	812	808	851	838	882	793	838	865	890
5	702	652	754	822	855	834	829	841	791	859	848
6	645	717	678	765	825	863	836	827	879	804	853
7	691	692	726	687	795	832	861	850	832	877	813
8	617	652	661	710	703	793	804	849	860	817	892
9	644	724	764	837	878	777	932	881	1,012	896	870
10	550	491	673	611	693	783	631	771	773	889	846
11	416	417	449	477	528	534	573	542	653	666	764
12	413	358	448	396	438	488	510	502	470	557	515
UN	0	0	43	39	38	32	50	66	114	66	78
Total	**8,452**	**8,617**	**9,268**	**9,420**	**9,923**	**10,184**	**10,378**	**10,363**	**10,702**	**10,751**	**10,815**
One year change		*165* *2.0%*	*651* *7.6%*	*152* *1.6%*	*503* *5.3%*	*261* *2.6%*	*194* *1.9%*	*-15* *-0.1%*	*339* *3.3%*	*49* *0.5%*	*64* *0.6%*
K-5	4,476	4,566	4,869	4,937	5,063	5,114	5,231	5,141	5,223	5,245	5,262
6-8	1,953	2,061	2,065	2,162	2,323	2,488	2,501	2,526	2,571	2,498	2,558
9-12	2,023	1,990	2,334	2,321	2,537	2,582	2,646	2,696	2,908	3,008	2,995

	5 Year Change: 1997-98 to 2002-03		**5 Year Change: 2002-03 to 2007-08**		**10 Year Change: 1997-98 to 2007-08**	
	Change	**Pct.**	**Change**	**Pct.**	**Change**	**Pct.**
K-5	638	*14%*	148	*3%*	786	*18%*
6-8	535	*27%*	70	*3%*	605	*31%*
9-12	559	*28%*	413	*16%*	972	*48%*
Total	**1,732**	***20%***	**631**	***6%***	**2,363**	***28%***

Source: Reynolds School District.

Enrollment Growth Due to Migration

As total enrollment has grown, there is evidence that more school-age children move into the District than out of it. This is best shown by calculating grade progression rates (GPRs). The GPR is the ratio of enrollment in a specific grade to the enrollment in the preceding grade in the previous year. For example, the number of students enrolled in 2nd grade this year divided by the number of students enrolled in 1st grade last year. Rates for some grades may be consistently high, indicating that new students are entering the District from private schools. For this reason, it is common to see higher GPRs for the kindergarten to 1st and the 8th to 9th grade transitions. After grade 9, low GPRs can indicate that students are leaving school before graduation. But for most elementary grades, if the population entering and leaving the District is in balance and students are not being retained at particular grades for academic reasons, one can expect GPRs very close to 1.00. Rates above 1.00 in the elementary grades usually indicate net migration into the District, while rates below 1.00 indicate net out-migration.

Table 9 shows the average GPRs observed in two periods, 1997-98 to 2002-03 and 2002-03 to 2007-08. In both periods, rates are very high for students entering 1st and 9th grade, indicating that some residents are opting out of private schools into the RSD's public school system at those grade levels.[4] For students entering second grade, the rates are just under 1.0, indicating balance or minor attrition in both periods. For students entering third grade, the rates indicate gains due to migration in the first period and balance or minor attrition in the second period. The rates for students entering 3rd through 7th grade ranged from 1.00 to 1.03, indicating small enrollment gains due to migration.

[4] Enrollment counts used in this study are from Fall, around September 30/October 1. Students who enroll in kindergarten after this date also contribute to the increases between kindergarten and first grade, since they are not included in the official Fall kindergarten enrollment.

Table 9

Average Grade Progression Rates*
RSD, 1997-98 to 2007-08

Grade Transition	1997-98 to 2002-03	2002-03 to 2007-08
K-1	1.08	1.05
1-2	0.98	0.98
2-3	1.02	0.99
3-4	1.01	1.00
4-5	1.00	1.00
5-6	1.02	1.00
6-7	1.03	1.01
7-8	0.98	0.99
8-9	1.19	1.11
9-10	0.84	0.87
10-11	0.80	0.82
11-12	0.93	0.89

**Ratio of enrollment in an individual grade to enrollment in the previous grade the previous year. The figures are averages for each period.*

Private and Home School Enrollment

In 2005-06, there were at least two private schools in the RSD offering grades above kindergarten. Open Door Christian Academy enrolled 239 K-8 students and 47 high school students, and Counter Point Day Treatment enrolled 20 students in grades 8-12. In addition to these two, there are a few preschools in the vicinity that also offer Kindergarten.[5]

Responses to the "long form" of the 1990 and 2000 Censuses indicate that there was a small increase in the number and share of RSD area students attending private schools between 1990 and 2000. The estimate for RSD residents based on the long form sample was that about 1005 students in grades 1-12, or about 10 percent of all residents, attended private schools in 2000, up from about 534, or 7 percent, in 1990.

In addition to public and private schools, the other option is home schooling. Home schooled students living in the District are required to register with the Multnomah

[5] Private school data were obtained from the National Center for Educational Statistics' website at http://nces.ed.gov/surveys/pss/privateschoolsearch/ .

Educational Service District (MESD), though the statistics kept by the MESD are not precise because students who move out of the area are not required to drop their registration. Students who enroll in public schools after being registered as home schooled are dropped from the home school registry. In April 2007 there were 195 RSD residents registered, including 85 high school age children. The current number of registered home school students represents about two percent of the RSD's resident school-age population.

Enrollment Trends at Individual Schools

Between 1997-98 and 2007-08, the RSD opened one elementary school and one middle school and, implemented several attendance area boundary changes. Walt Morey Middle School (WMMS) opened in 1998-99, with nearly 600 students and biggest impacts on the enrollment and attendance area of Reynolds Middle School (RMS). In that year, the RSD gained just under 80 students while RMS and HB Lee (LMS, the district's other middle school) together lost nearly 520 students. Overall, middle school enrollment grew from 1,970 in 1998-99 to 2,558 in 2007-08, for a total of 588 students, with gains of 341 students at RMS, 131 students at WMMS, and 116 students at LMS.

The biggest elementary school enrollment changes between 1997-98 and 2007-08 involved the opening of Salish Ponds elementary (SPES) in 2003-04 and related attendance area changes, for a total of eleven elementary schools in the RSD. In that school year, the RSD added 120 more students than in the previous year, with SPES enrollment at just over 500, drawing about 400 students from Alder, Davis, Glenfair, Hartley, Troutdale, and Woodland. Overall, RSD elementary enrollment grew from 4,500 in 1997-08 to 5,230 in 2007-08 for a total of 727, with enrollment at individual schools being affected by attendance area changes in 2006-07 and 2007-08.

In the same period, Reynolds High School enrollment grew by nearly 780 students, up from 1,976 students in 1997-98 to 2,755 students in 2007-08. Total enrollments at each of the District's schools annually from 1997-98 to 2007-08 are shown in Table 10 on the next page.

Table 10

Reynolds School District, Historic Enrollment by School, 1997-98 to 2007-08

School	1997-98	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	5 Year Growth: 1997-98 - 2002-03	5 Year Growth: 2002-03 - 2007-08	10 Year Growth: 1997-98 - 2007-08
Alder ES	623	602	658	681	726	714	621	571	526	552	559	91	-155	-64
Davis ES	361	411	451	468	524	501	454	477	478	475	486	140	-15	125
Fairview ES	388	390	438	475	479	482	486	450	429	407	418	94	-64	30
Glenfair ES	491	495	530	532	620	566	512	489	530	492	496	75	-70	5
Hartley ES	453	462	494	452	469	463	417	409	401	439	476	10	13	23
Salish Ponds ES	0	0	0	0	0	0	503	518	499	510	517	0	517	517
M.Scott ES	323	336	314	340	327	343	351	346	347	331	378	20	35	55
Sweetbriar ES	535	518	529	531	521	537	537	531	521	476	535	2	-2	0
Troutdale ES	442	469	488	498	494	516	440	434	479	497	445	74	-71	3
Wilkes ES	424	410	447	437	393	431	433	442	470	514	395	7	-36	-29
Woodland ES	467	509	520	523	510	561	477	474	501	552	525	94	-36	58
Four Corners ES	0	0	0	0	0	0	0	0	42	0	32	0	32	32
ES Totals	**4,476**	**4,566**	**4,869**	**4,937**	**5,063**	**5,114**	**5,231**	**5,141**	**5,223**	**5,245**	**5,262**	**638**	**148**	**786**
HB Lee MS	687	673	633	723	818	873	827	810	829	773	800	186	-73	113
Reynolds MS	1,143	669	742	806	836	893	961	997	1,026	987	1,033	-250	140	-110
Walt Morey MS	0	587	596	620	641	698	681	715	716	738	725	698	27	725
Reynolds LA	92	96	94	13	28	26	34	4	0	0	0	-66	-26	-92
MS Totals	**1,953**	**2,061**	**2,065**	**2,162**	**2,323**	**2,488**	**2,501**	**2,526**	**2,571**	**2,498**	**2,558**	**535**	**70**	**605**
Reynolds HS	1,822	1,791	2,107	2,132	2,357	2,410	2,489	2,538	2,771	2,835	2,832	588	422	1,010
Reynolds LA	201	199	227	189	180	172	157	158	137	173	163	-29	-9	-38
HS Totals	**2,023**	**1,990**	**2,334**	**2,321**	**2,537**	**2,582**	**2,646**	**2,696**	**2,908**	**3,008**	**2,995**	**559**	**413**	**972**
District Totals	**8,452**	**8,617**	**9,268**	**9,420**	**9,923**	**10,184**	**10,378**	**10,363**	**10,702**	**10,751**	**10,815**	**1,732**	**631**	**2,363**

Source: Reynolds School District.

ENROLLMENT FORECASTS

District-wide Population Forecast

A demographic cohort-component model was used to forecast population for the District by age and sex. The components of population change are births, deaths, and migration (residential relocation). Using age-specific fertility rates, age-sex specific mortality rates, age-sex specific migration rates, estimates of recent net migration levels, and forecasts of future migration levels, each component is applied to the base year population in a manner that simulates the actual dynamics of population change.

Many of the findings described in the earlier sections "Population and Housing Trends" and "Enrollment Trends" inform the assumptions used in the population forecast for the 2000 to 2020 period. In particular, lower migration levels since 2000, compared with the 1990s are consistent with the slowdown in enrollment growth, and may be associated with such factors as slower job growth, less Latino migration into the area, and a shift in the type of new housing being built in the district. Since 2000, fewer detached single family and subsidized multifamily units have been built, and more of the new housing has been condominiums and attached single family, housing fewer families with children. Fertility rates by age group, based on those observed in 2000, are expected to change very little, with small decreases for women under age 30. In this forecast, the District continues to be a place with slightly more adults in their 20s and 30s than in their 40s and 50s. The young adult population is expected to increase because of overall population growth and the larger baby boom "echo" cohort born in the 1980s and 1990s. This trend causes the number of births within RSD to increase throughout the forecast period.

We also consulted external population and employment forecasts prepared by state and local agencies:

- The Oregon Office of Economic Analysis forecasts that Multnomah County's population will grow by 13 percent (0.7 percent annually) between 2000 and 2020, from 662,400 in 2000 to 756,390 in 2020.[6]

- The Oregon Employment Department forecasts that employment in the region is forecast to grow by 14 percent in a ten year period (1.4 percent annually).[7]

Our forecast for 2020 population in the RSD is 91,968, an increase of 30,711 persons from the 2000 Census (2.0 percent average annual growth). The District-wide population forecast by age group is presented in Table 11 on the next page. Total population is forecast to grow by 50 percent between 2000 and 2020. School-age population, ages 5 to 17, is expected to increase by 4,699 persons, or 41 percent.

Consistent with the 1990 to 2000 period, the 2000 to 2020 forecasts indicate high growth in population age 25 to 39. This growth will likely occur if housing of comparable quality continues to be more affordable in the RSD than in other areas closer to Portland. The increase in young adults causes the number of births to increase, so the population under age 5 grows by 33 percent over the forecast period.

[6] "Forecasts of Oregon's County Populations and Components of Change, 2000 to 2040." Oregon Department of Administrative Services, Office of Economic Analysis, April, 2004.
[7] "Employment Projections by Industry, 2006-2016." Oregon Employment Department, Workforce Analysis, December, 2007. Employment in the Multnomah/Washington and Clackamas regions was 836,900 in 2006 and 957,200 in the 2016 forecast.

Table 11

Population by Age Group: *MIDDLE* Series Forecast
Reynolds School District, 1990 to 2020

	1990 Census	2000 Census	2010 Forecast	2020 Forecast	2000 to 2020 Change	
					Number	Percent
Under Age 5	3,369	5,270	5,898	6,996	1,726	*33%*
Age 5 to 9	3,227	4,775	5,468	6,641	1,866	*39%*
Age 10 to 14	2,935	4,161	5,083	6,104	1,943	*47%*
Age 15 to 17	1,647	2,460	2,868	3,350	890	*36%*
Age 18 to 19	1,161	1,756	1,970	2,233	477	*27%*
Age 20 to 24	3,383	4,799	5,478	6,643	1,844	*38%*
Age 25 to 29	3,912	5,202	5,877	6,829	1,627	*31%*
Age 30 to 34	4,037	4,754	5,629	6,412	1,658	*35%*
Age 35 to 39	3,626	4,898	5,964	6,727	1,829	*37%*
Age 40 to 44	3,272	4,596	5,187	6,053	1,457	*32%*
Age 45 to 49	2,450	4,150	5,356	6,421	2,271	*55%*
Age 50 to 54	1,926	3,607	4,886	5,447	1,840	*51%*
Age 55 to 59	1,713	2,628	4,305	5,491	2,863	*109%*
Age 60 to 64	1,713	1,899	3,488	4,693	2,794	*147%*
Age 65 to 69	1,556	1,606	2,419	3,946	2,340	*146%*
Age 70 to 74	1,226	1,667	1,769	3,189	1,522	*91%*
Age 75 to 79	810	1,407	1,380	2,036	629	*45%*
Age 80 to 84	424	932	1,205	1,259	327	*35%*
Age 85 and over	280	689	1,251	1,498	809	*117%*
Total Population	**42,666**	**61,257**	**75,480**	**91,968**	**30,711**	***50%***
Total age 5 to 17	7,809	11,396	13,419	16,095	4,699	*41%*
share age 5 to 17	*18.3%*	*18.6%*	*17.8%*	*17.5%*		

		1990-2000	2000-2010	2010-2020
Population Change		**18,591**	**14,223**	**16,488**
Percent		*43.6%*	*23.2%*	*21.8%*
Average Annual		*3.6%*	*2.1%*	*2.0%*

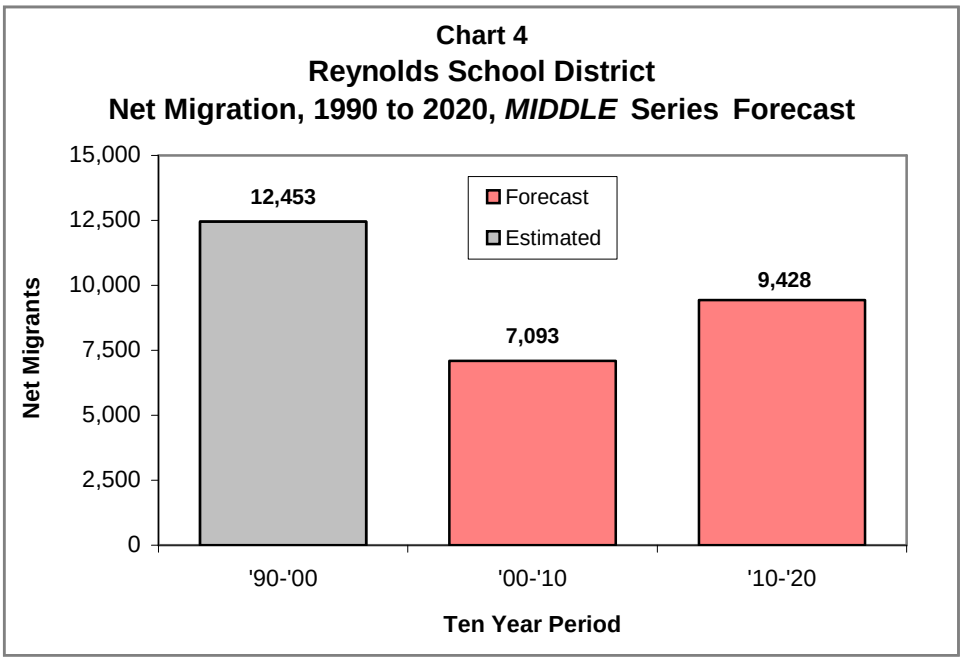
Source: U.S. Census Bureau, 1990 and 2000 Censuses; data aggregated to RSD boundary by Portland State University Population Research Center. PSU-PRC Forecasts, 2010 and 2020.

This forecast is characterized as a "middle series" forecast because it represents the most likely scenario for future growth. Although the housing market will not always be as heated as it was in recent years, the number of new homes in subdivisions already approved and the availability of land within Troutdale as well as infill development will cause the RSD to remain attractive to home builders and home buyers.

The middle series forecast falls between the "low series," in which housing growth slows to a level similar to the early 2000s, and fertility rates fall, and the "high series," in which more housing units are built each year and fertility rates rise. One possibility for the high

series to unfold is if intensive infill development is allowed in some areas within the RSD boundary. The low and high series population forecasts are included in the Appendix as tables A1 and A2 and the total fertility rates implied in each forecast series are presented in Appendix Table A3.

Assumptions about the level of future migration are a major component of the population forecasts, and impact the enrollment forecasts. Forecasts of migration are guided by the estimates of past migration, as well as expectations of housing growth. The overall population increase attributable to net migration in the mid-range forecast is shown in Chart 4 below. In the forecast period net migration accounts for about 54 percent of overall population growth, with natural increase (births minus deaths) accounting for the balance. Similar charts for the low and high series forecasts are included in the Appendix as Chart A1 and Chart A2.



District-wide Enrollment Forecast

Historic school enrollment is linked to the population forecast in two ways. First, the kindergarten and first grade enrollments at the time of the most recent census (the school year 1999-2000) are compared to the population at the appropriate ages counted in the census. The "capture rate," or ratio of enrollment to population, is an estimate of the share of area children who are enrolled in RSD schools. Assumptions for capture rates based on census data are used to bring new kindergarten and first grade students into the District's enrollment. If there is evidence that capture rates have changed since the time of the census, they may be adjusted in the forecast. Capture rates of 0.78 for Kindergarten and 0.83 for first grade are used for most years in the forecast.

The other way that historic population and enrollment are linked is through migration. Annual changes in school enrollment by cohort closely follow trends in the net migration of children in the District's population. The way that migration is integrated in the forecast is described below.

Once the students are in first grade, a set of baseline grade progression rates (GPRs) are used to move students from one grade to the next. These baseline GPRs, usually 1.00 for elementary grades, represent a scenario under which there is no change due to migration. Enrollment change beyond the baseline is added (or subtracted, if appropriate) at each grade level depending on the migration levels of the overall population by single years of age. Table 12 on the next page shows the average GPRs for the ten years of observed historic transitions (beginning with 1997-98 to 1998-99 until 2006-07 to 2007-08), the baseline GPRs used in the model, and the average GPRs calculated from the enrollment forecasts between 2007-08 and 2017-18.

The base year data for the population forecast is 1990 Census data. From the 1990 base, the model is calibrated to actual change using 2000 Census results and annual school enrollment data beginning with 1989-90 (corresponding to the 1990 census) and extending to the most recent year (2007-08). Forecast births in this historic period are

calibrated to actual births that occurred within the District, and net migration levels are calibrated to the net migration that was estimated between the 1990 and 2000 censuses.

Table 12
Grade Progression Rates[1]
RSD, MIDDLE Series Forecast

Grade Transition	Historic Average: 1997-98 to 2007-08	Baseline (without the influence of migration)	Forecast Average: 2007-08 to 2017-18
K-1	1.07	--[2]	1.06
1-2	0.98	0.99	0.99
2-3	1.00	1.00	1.00
3-4	1.01	1.00	1.01
4-5	1.00	1.00	1.00
5-6	1.01	1.00	1.01
6-7	1.02	1.00	1.01
7-8	0.99	1.00	1.00
8-9	1.15	1.06	1.06
9-10	0.86	0.88	0.88
10-11	0.82	0.84	0.84
11-12	0.90	0.90	0.91

1. Ratio of enrollment in an individual grade to enrollment in the previous grade the previous year.

2. The enrollment forecast model uses capture rates for first grade; K-1 baseline GPRs are not used.

Table 13 on the next page contains grade level forecasts for the Reynolds School District for each year from 2008-09 to 2017-18. The forecasts are also summarized by grade level groups (K-5, 6-8, and 9-12). Overall K-12 enrollment is forecast to change by 5 percent through 2012-13, and then grow by 9 percent between 2012-13 and 2017-18.

Elementary enrollment grows slowly for the first few years of the forecast and accelerates after 2011-12. Middle school enrollment bottoms out in 2008-09 and dips again in 2012-13, adding about 90 students by 2012-13, then remains in relatively stable growth, adding another 237 students through 2017-18. High school enrollment, however, grows sharply next year, declines for two years, and returns to a slow growth trend after 2010-11. All grade levels gain from population growth and net migration to the District, but elementary enrollment is also influenced by birth trends, whereas secondary enrollment depends on fluctuating sizes of classes moving up from lower grades.

Table 13

Reynolds School District, MIDDLE SERIES Enrollment Forecasts, 2007-08 to 2017-18

	Actual	Forecast									
Grade	**2007-08**	**2008-09**	**2009-10**	**2010-11**	**2011-12**	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**
K	854	875	869	875	906	929	957	982	998	1,010	1,027
1	860	905	927	923	930	963	988	1,018	1,044	1,061	1,074
2	881	850	895	920	916	923	956	980	1,010	1,036	1,053
3	851	880	849	897	922	918	925	958	982	1,012	1,038
4	890	858	887	859	908	933	929	936	970	994	1,024
5	848	889	857	889	861	910	935	931	938	972	996
6	853	856	898	866	899	870	920	945	941	948	983
7	813	861	864	905	873	907	877	928	953	949	956
8	892	811	859	862	903	871	905	875	925	950	946
9	870	946	860	910	913	957	923	959	927	980	1,007
10	846	763	829	756	799	802	841	811	843	814	861
11	764	712	642	697	635	672	674	707	682	709	684
12	515	701	653	586	636	579	613	615	645	622	647
UN	78	78	78	78	78	78	78	78	78	78	78
Total	**10,815**	**10,985**	**10,967**	**11,023**	**11,179**	**11,312**	**11,521**	**11,723**	**11,936**	**12,135**	**12,374**
K-5	5,262	5,335	5,362	5,441	5,521	5,654	5,768	5,883	6,020	6,163	6,290
6-8	2,558	2,528	2,621	2,633	2,675	2,648	2,702	2,748	2,819	2,847	2,885
9-12	2,995	3,122	2,984	2,949	2,983	3,010	3,051	3,092	3,097	3,125	3,199

	5 Year Growth: 2007-08 to 2012-13		5 Year Growth: 2012-13 to 2017-18		10 Year Growth: 2007-08 to 2017-18	
	Growth	**Pct.**	**Growth**	**Pct.**	**Growth**	**Pct.**
K-5	392	*7%*	636	*11%*	1,028	*20%*
6-8	90	*4%*	237	*9%*	327	*13%*
9-12	15	*1%*	189	*6%*	204	*7%*
K-12	**497**	***5%***	**1,062**	***9%***	**1,559**	***14%***

Source: Population Research Center, Portland State University, January 2008

Recent increases in the number of births in the RSD means that incoming kindergarten and first grade classes are likely to continue to be relatively large for the next few years; the forecast increase in births impacts kindergarten and first grade enrollments several years from now. The size of individual grades causes year-to-year fluctuation in secondary enrollment. For example, when the current large 8th grade class enters high school in Fall 2008-09, middle school enrollment will likely drop, and high school enrollment will increase.

Individual School Forecasts

In addition to the district-wide enrollment forecasts, we have also prepared forecasts for individual schools under a scenario in which current boundaries and grade configurations remain constant. Of course, school districts typically respond to enrollment change in various ways including attendance area boundary changes, grade reconfiguration, opening or closing facilities, transporting students to schools outside their community, or other permanent or stopgap measures. However, the individual school forecasts depict what future enrollments might be if today's facilities and programs were unchanged.

The methodology for the individual school forecasts relies on grade progression rates observed for each of the schools in the past four years, and the ratio of kindergarten and first grade enrollment to lagged births within the school's attendance area. New kindergarten and first grade classes were forecast each year based on recent trends and historic and forecast births. Subsequent grades were forecast using the GPRs, which were reviewed to take expected future housing growth into account. The final forecasts for individual schools are controlled to match the district-wide forecasts.

Eleven elementary schools serve residents of the RSD's current school boundaries. In rank order of forecast growth, they are Woodland, Fairview, Wilkes, Salish Ponds, Davis, Margret Scott, Alder, Hartley, Troutdale, Glenfair, and Sweetbriar. With the exception of Sweetbriar, each of these schools is forecast to grow over the forecast period, due to new housing, increased births, or both. The largest numeric growth and the largest percentage growth are forecast at Woodland, which adds 183 students (35 percent) in the 10 year

period. Enrollment at Sweetbriar is forecast to decline by one percent. Overall, elementary school enrollment is forecast to grow by 20 percent, adding about 1,030 students.

The RSD's three middle schools each grow in the forecast, adding 192 students at students at Reynolds MS, 102 students at HB Lee MS, and 33 students at Walt Morey MS. Most of this growth is in the second five years, particularly at RMS which adds only 55 students between now and 2012-13 but gains 137 between 2012-13 and 2017-18. Overall, middle school enrollment is forecast to grow by 13 percent, adding close to 330 students.

Enrollment at Reynolds High School now stands at 2,832 students, but is forecast to grow by 127 students next year (2008-09) and decline in the next two years before returning in 2011-12 to steady growth. Overall, high school enrollment is forecast to grow by 15 percent, adding 204 students during the forecast period.

Table 14 on the next page presents the enrollment forecasts for each school. School profiles in Appendix B integrate the enrollment forecasts with information for the school's attendance area including births, 1990 and 2000 census data, and housing development.

Table 14

Enrollment Forecasts for Individual Reynolds Schools, 2007-08 to 2017-18

	Actual	Forecast										5 Year Change	5 Year Change	10 Year Change
School	**2007-08**	**2008-09**	**2009-10**	**2010-11**	**2011-12**	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2007-08-2012-13**	**2012-13-2017-18**	**2007-08-2017-18**
Alder ES	559	581	555	580	581	585	594	602	618	634	648	26	63	89
Davis ES	486	489	496	510	530	539	548	565	571	580	594	53	55	108
Fairview ES	418	419	425	444	472	487	500	513	527	537	551	69	64	133
Glenfair ES	496	489	485	483	469	484	490	493	504	517	527	-12	43	31
Hartley ES	476	505	511	527	517	518	513	520	531	544	555	42	37	79
Salish Ponds ES	517	544	552	553	562	578	591	595	605	618	632	61	54	115
M.Scott ES	378	388	383	384	401	422	433	455	465	473	483	44	61	105
Sweetbriar ES	535	513	489	466	476	485	484	494	511	523	531	-50	46	-4
Troutdale ES	445	446	464	468	467	478	489	483	491	509	515	33	37	70
Wilkes ES	395	400	406	421	426	446	466	474	486	502	514	51	68	119
Woodland ES	525	529	564	573	588	600	628	657	679	694	708	75	108	183
Four Corners ES	32	32	32	32	32	32	32	32	32	32	32	0	0	0
ES Totals	**5,262**	**5,335**	**5,362**	**5,441**	**5,521**	**5,654**	**5,768**	**5,883**	**6,020**	**6,163**	**6,290**	**392**	**636**	**1,028**
HB Lee MS	800	794	854	838	871	825	840	836	874	890	902	25	77	102
Reynolds MS	1,033	987	1,036	1,042	1,079	1,088	1,137	1,165	1,200	1,208	1,225	55	137	192
Walt Morey MS	725	747	731	753	725	735	725	747	745	749	758	10	23	33
MS Totals	**2,558**	**2,528**	**2,621**	**2,633**	**2,675**	**2,648**	**2,702**	**2,748**	**2,819**	**2,847**	**2,885**	**90**	**237**	**327**
Reynolds LA	163	163	163	163	163	163	163	163	163	163	163	0	0	0
Reynolds HS	2,832	2,959	2,821	2,786	2,820	2,847	2,888	2,929	2,934	2,962	3,036	15	189	204
HS Totals	**2,995**	**3,122**	**2,984**	**2,949**	**2,983**	**3,010**	**3,051**	**3,092**	**3,097**	**3,125**	**3,199**	**15**	**189**	**204**
District Totals	**10,815**	**10,985**	**10,967**	**11,023**	**11,179**	**11,312**	**11,521**	**11,723**	**11,936**	**12,135**	**12,374**	**497**	**1,062**	**1,559**

Population Research Center, Portland State University, January 2008

FORECAST RELIABILITY AND ERROR

By exploring recent population, housing, and enrollment trends in the Reynolds School District, linking population and enrollment forecasts in the demographic model, and producing district-wide enrollment forecasts by grade level, we have completed a study that we believe will be useful for a variety of long-range planning needs of the District.

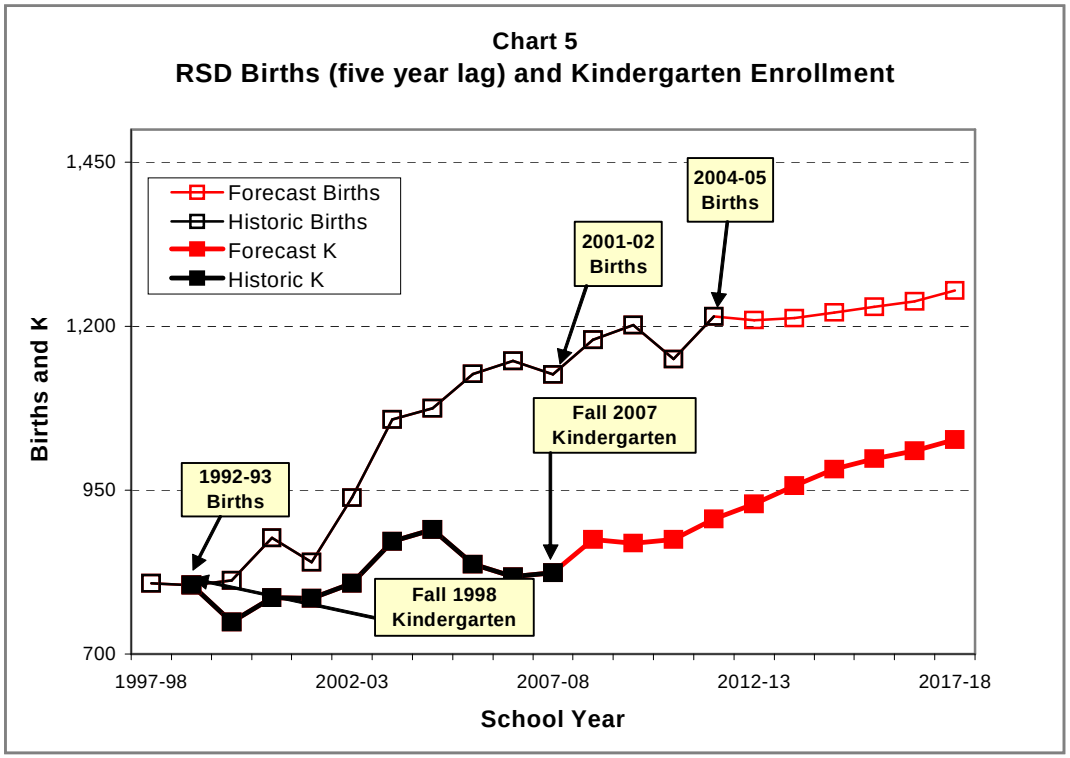
The District's recent experience of increasing enrollment is expected to continue in the forecast years as the growth due to new housing construction is enhanced by demographic trends including more births and a relatively large population of young adults.

We caution the users of this report on the nature of forecasting in general. Fertility and mortality rates are relatively stable, but migration can vary greatly in an uncertain future. The migration assumptions involve judgment and the expectation that future trends will fall neatly into place in alignment with current trends and external forecasts produced by other agencies. We know from past history that unforeseen events can affect these expectations.

Another uncertainty in the forecast involves the entry grades, kindergarten and 1st grade. The relationship between births and subsequent kindergarten and 1st grade enrollment five to six years later is affected by two factors — the migration of children during the years prior to enrolling in school, and the capture rate. The current kindergarten enrollment of 854 is the highest since 2003-04. On the other hand, the current first grade enrollment of 860 is the lowest since 2000-01. They are both closely related to the number of births several years earlier, but migration into and out of the District and the public school capture rates also play a role in fluctuating class size, making it difficult to pin down a trend. If there are sustained increases in kindergarten and 1st grade, they will influence District enrollment totals for years to come, since students have 13 years to progress through the system. Conversely, if future kindergarten classes do not increase

as forecast, overall K-12 enrollments will be lower than the middle series forecast predicts.

Chart 5 compares the historic and forecast number of births in the District with the historic and forecast number of RSD kindergarten students. This year's kindergarten class is 37 percent smaller than the number of births five years earlier, while the 2005-06 and 2006-07 kindergarten classes were 40 and 35 percent smaller than corresponding birth totals. The fact that recent kindergarten enrollments have been much less than the lagged birth total indicates that the District loses children due to migration between birth and age five, since the gap exceeds the share of kindergarten age residents who do not enroll in RSD kindergartens. The recent growth in births gives us confidence in the kindergarten forecasts through 2011-12, which are related to births that have already occurred. Chart 5 also illustrates how the forecast increase in births influences kindergarten enrollments after 2012.

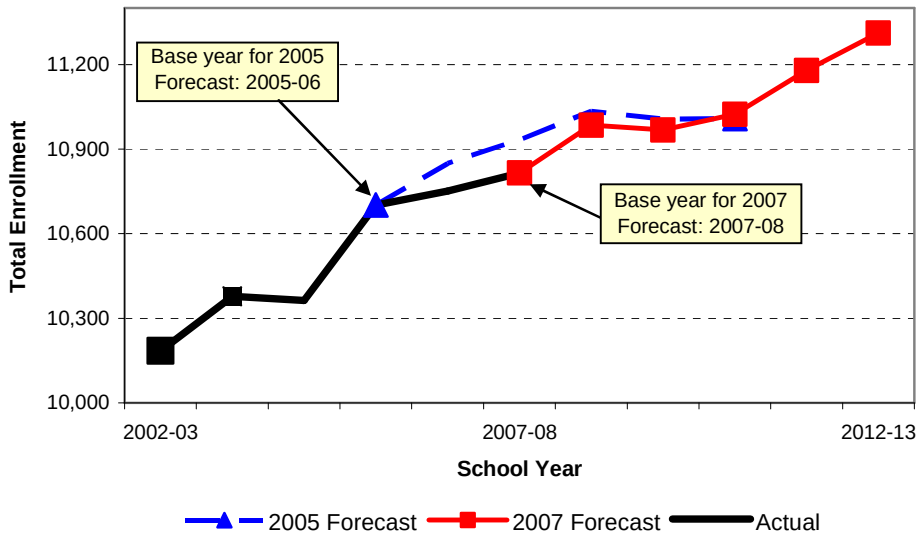


Because of the uncertainties of forecasts described in this section, it is important to monitor the results and update the forecast as needed. In general, forecast error varies

according to the size of the population being forecast and the length of the forecast horizon. The smaller the population and the longer the forecast period, the larger the error is likely to be. The Reynolds School District currently has a population of more than 62,000, but is economically interdependent with the greater region of over two million people in the Portland area.

A 2005 study by Judith Barmack, Ph.D., forecast RSD enrollment through 2010, using enrollment history provided by the district. Chart 6 compares that forecast with the current forecast and with actual K-12 enrollment through 2007-08. Obviously, the 2005 forecast predicts enrollment that is slightly higher than actual K-12 enrollment in 2006-07 and 2007-08. However, the first three years of this new forecast and the last three years of the 2005 forecast are tracking much closer at the K-12 level.

Chart 6
Current and Previous Long Range Forecasts
Reynolds School District, K-12 Enrollment



In Chart A4, Chart A5, and Chart A6 in the appendix, the two forecasts also are compared at the grade levels. At the elementary and middle school levels, the forecasts are very close. At the high school level, enrollments in this forecast are slightly lower than enrollments in the 2005 forecast by about four to seven percent.

Regardless of the accuracy of this forecast in the first few years, it is advisable to update the forecast as new information becomes available. New information may be school enrollment data, new census data, proposals for major new housing development, or land use changes that may result in housing or economic growth that differs significantly from recent and current trends.

APPENDIX A

LOW AND HIGH SERIES ALTERNATE FORECASTS

Table A1

Population by Age Group: *LOW* Series Forecast
Reynolds School District, 1990 to 2020

	1990 Census	2000 Census	2010 Forecast	2020 Forecast	2000 to 2020 Change	
					Number	Percent
Under Age 5	3,369	5,270	5,649	6,331	1,061	*20%*
Age 5 to 9	3,227	4,775	5,360	6,078	1,303	*27%*
Age 10 to 14	2,935	4,161	4,974	5,680	1,519	*37%*
Age 15 to 17	1,647	2,460	2,834	3,235	774	*31%*
Age 18 to 19	1,161	1,756	1,917	2,108	352	*20%*
Age 20 to 24	3,383	4,799	5,078	5,862	1,063	*22%*
Age 25 to 29	3,912	5,202	5,332	5,886	684	*13%*
Age 30 to 34	4,037	4,754	5,324	5,515	761	*16%*
Age 35 to 39	3,626	4,898	5,753	5,817	919	*19%*
Age 40 to 44	3,272	4,596	5,074	5,555	959	*21%*
Age 45 to 49	2,450	4,150	5,233	6,002	1,852	*45%*
Age 50 to 54	1,926	3,607	4,794	5,191	1,584	*44%*
Age 55 to 59	1,713	2,628	4,231	5,241	2,613	*99%*
Age 60 to 64	1,713	1,899	3,456	4,548	2,649	*139%*
Age 65 to 69	1,556	1,606	2,399	3,834	2,228	*139%*
Age 70 to 74	1,226	1,667	1,728	3,061	1,394	*84%*
Age 75 to 79	810	1,407	1,343	1,944	537	*38%*
Age 80 to 84	424	932	1,173	1,184	252	*27%*
Age 85 and over	280	689	1,198	1,363	674	*98%*
Total Population	**42,666**	**61,257**	**72,850**	**84,435**	**23,178**	***38%***
Total age 5 to 17	7,809	11,396	13,168	14,993	3,597	*32%*
share age 5 to 17	*18.3%*	*18.6%*	*18.1%*	*17.8%*		

		1990-2000	2000-2010	2010-2020
Population Change		**18,591**	**11,593**	**11,585**
Percent		*43.6%*	*18.9%*	*15.9%*
Average Annual		*3.6%*	*1.7%*	*1.5%*

Source: U.S. Census Bureau, 1990 and 2000 Censuses; data aggregated to RSD boundary by Portland State University Population Research Center. PSU-PRC Forecasts, 2010 and 2020.

Table A2

Population by Age Group: *HIGH* Series Forecast
Reynolds School District, 1990 to 2020

	1990 Census	2000 Census	2010 Forecast	2020 Forecast	2000 to 2020 Change	
					Number	Percent
Under Age 5	3,369	5,270	6,371	8,794	3,524	*67%*
Age 5 to 9	3,227	4,775	5,961	8,011	3,236	*68%*
Age 10 to 14	2,935	4,161	5,332	6,795	2,634	*63%*
Age 15 to 17	1,647	2,460	2,885	3,718	1,258	*51%*
Age 18 to 19	1,161	1,756	2,345	2,523	767	*44%*
Age 20 to 24	3,383	4,799	5,879	8,167	3,368	*70%*
Age 25 to 29	3,912	5,202	6,422	8,967	3,765	*72%*
Age 30 to 34	4,037	4,754	5,934	7,748	2,994	*63%*
Age 35 to 39	3,626	4,898	6,175	7,955	3,057	*62%*
Age 40 to 44	3,272	4,596	5,301	6,716	2,120	*46%*
Age 45 to 49	2,450	4,150	5,479	7,009	2,859	*69%*
Age 50 to 54	1,926	3,607	4,978	5,817	2,210	*61%*
Age 55 to 59	1,713	2,628	4,379	5,844	3,216	*122%*
Age 60 to 64	1,713	1,899	3,520	4,883	2,984	*157%*
Age 65 to 69	1,556	1,606	2,440	4,095	2,489	*155%*
Age 70 to 74	1,226	1,667	1,811	3,393	1,726	*104%*
Age 75 to 79	810	1,407	1,417	2,186	779	*55%*
Age 80 to 84	424	932	1,237	1,371	439	*47%*
Age 85 and over	280	689	1,304	1,709	1,020	*148%*
Total Population	**42,666**	**61,257**	**79,170**	**105,701**	**44,444**	***73%***
Total age 5 to 17	7,809	11,396	14,178	18,524	7,128	*63%*
share age 5 to 17	*18.3%*	*18.6%*	*17.9%*	*17.5%*		

		1990-2000	2000-2010	2010-2020
Population Change		**18,591**	**17,913**	**26,532**
Percent		*43.6%*	*29.2%*	*33.5%*
Average Annual		*3.6%*	*2.6%*	*2.9%*

Source: U.S. Census Bureau, 1990 and 2000 Censuses; data aggregated to RSD boundary by Portland State University Population Research Center. PSU-PRC Forecasts, 2010 and 2020.

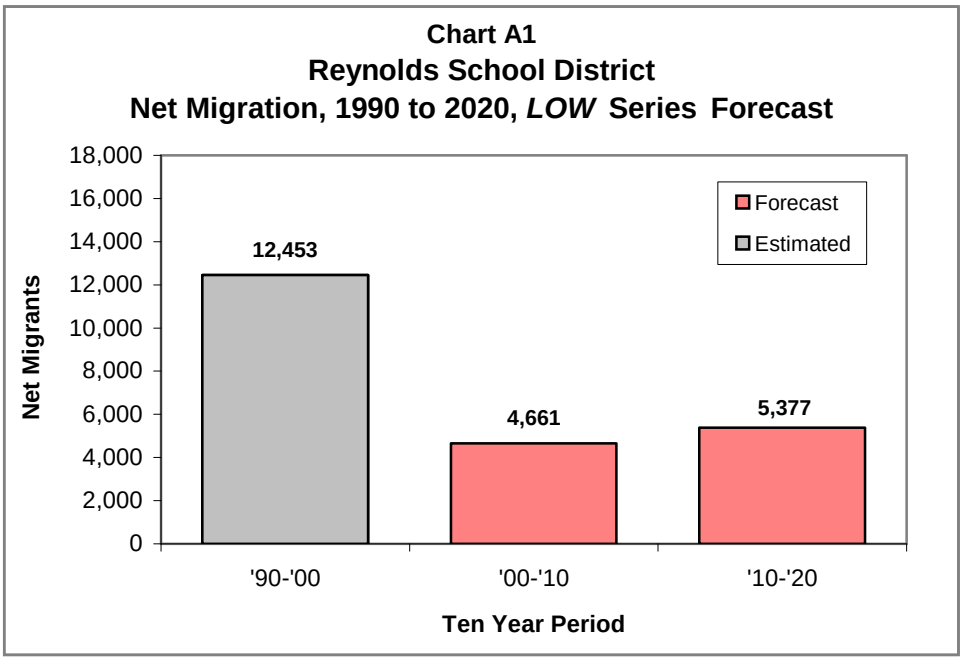


Chart A1
Reynolds School District
Net Migration, 1990 to 2020, LOW Series Forecast
Net Migrants
18,000
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
12,453
4,661
5,377
Forecast
Estimated
'90-'00
'00-'10
'10-'20
Ten Year Period

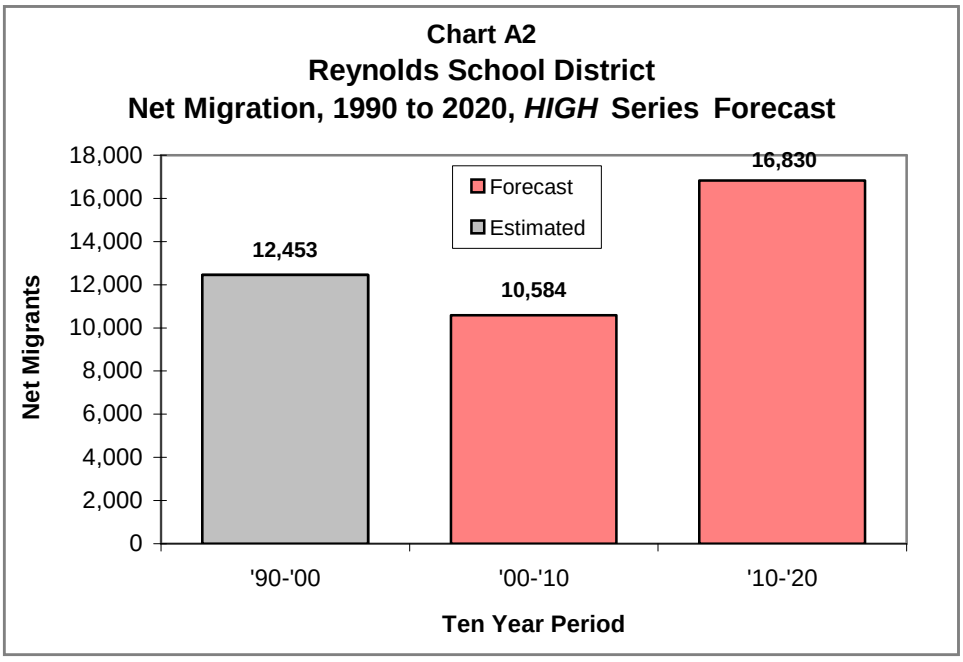


Chart A2
Reynolds School District
Net Migration, 1990 to 2020, HIGH Series Forecast
Net Migrants
18,000
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
12,453
10,584
16,830
Forecast
Estimated
'90-'00
'00-'10
'10-'20
Ten Year Period

Table A3

Total Fertility Rate Assumptions*
RSD Population Forecasts

Year	LOW SERIES	MID SERIES	HIGH SERIES
1990 estimate	2.15	2.15	2.15
2000 estimate	2.49	2.49	2.49
2010 forecast	2.31	2.31	2.46
2020 forecast	2.31	2.31	2.45

**The number of children that would be born to the average woman during her child-bearing years, based on age-specific fertility rates observed at a given time.*

Table A4

Average Grade Progression Rates*
RSD Forecasts, 2008-09 to 2017-18

Grade Transition	LOW SERIES	MID SERIES	HIGH SERIES
K-1	0.989	0.992	0.994
1-2	0.999	1.001	1.004
2-3	1.009	1.011	1.014
3-4	0.999	1.002	1.004
4-5	1.009	1.011	1.013
5-6	1.007	1.009	1.009
6-7	0.997	0.997	0.997
7-8	1.058	1.060	1.062
8-9	0.881	0.878	0.871
9-10	0.839	0.841	0.843
10-11	0.904	0.913	0.940
11-12	1.001	1.003	1.005

**Ratio of enrollment in an individual grade to enrollment in the previous grade the previous year. The figures are averages for the 10 year period calculated from the enrollment forecasts.*

Chart A3
RSD Alternate Enrollment Forecasts, 2007-08 to 2017-18

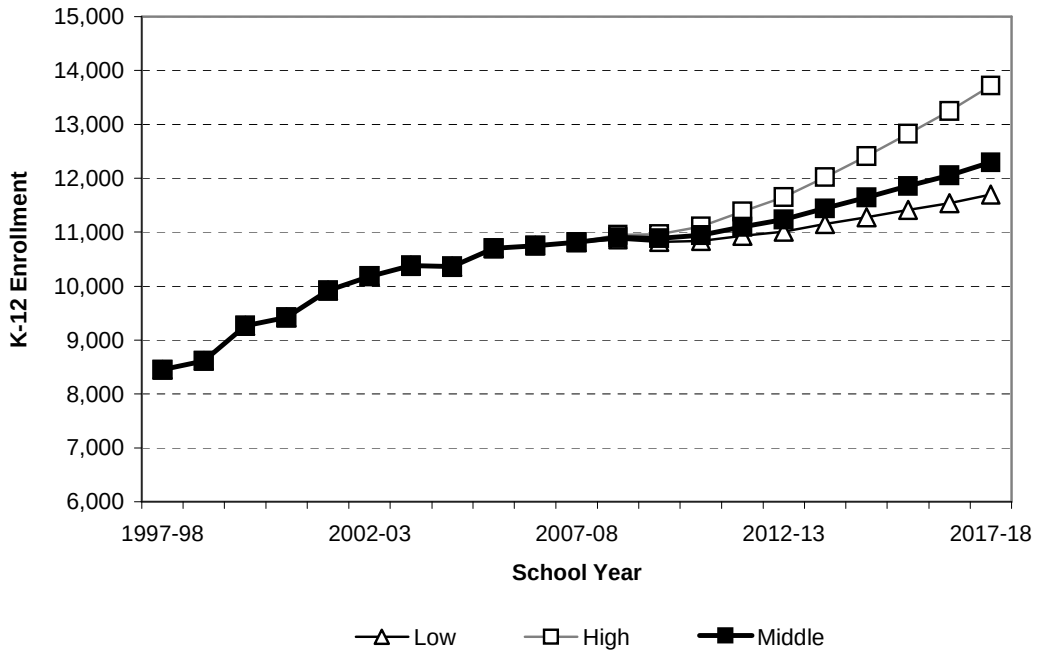


Chart A4
Current and Previous Long Range Forecasts
Reynolds School District, K-5 Enrollment

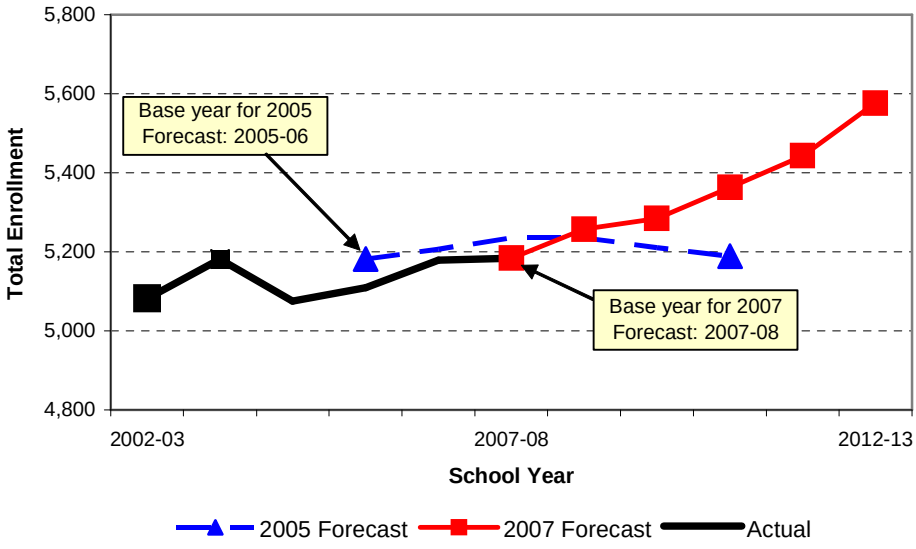


Chart A5
Current and Previous Long Range Forecasts
Reynolds School District, 6-8 Enrollment

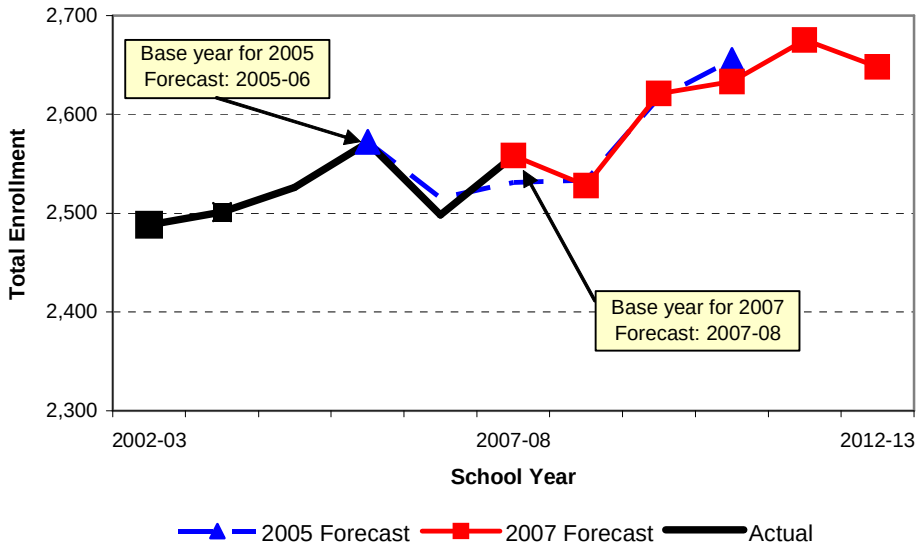


Chart A6
Current and Previous Long Range Forecasts
Reynolds School District, 9-12 Enrollment

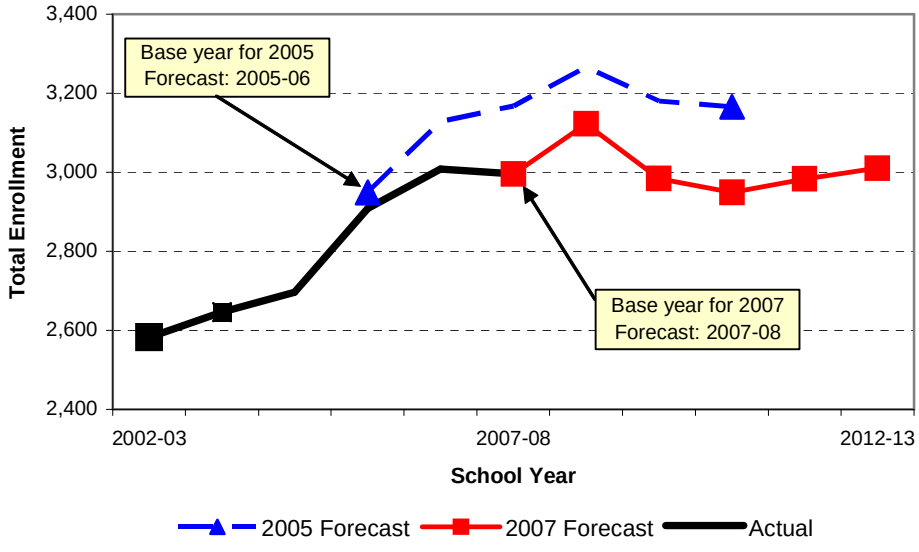


Table A5
Reynolds School District, LOW SERIES Enrollment Forecasts, 2007-08 to 2017-18

	Actual	Forecast									
Grade	**2007-08**	**2008-09**	**2009-10**	**2010-11**	**2011-12**	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**
K	854	862	852	847	865	883	906	925	936	944	956
1	860	889	911	904	899	918	937	961	981	993	1,001
2	881	849	877	902	895	890	909	928	952	972	983
3	851	878	846	877	902	895	890	909	928	952	972
4	890	857	884	855	886	911	904	899	918	938	962
5	848	887	854	884	855	886	911	904	899	918	938
6	853	855	894	862	892	863	894	919	912	907	927
7	813	860	862	901	868	899	869	901	926	919	914
8	892	811	857	859	898	865	896	866	898	923	916
9	870	945	859	907	909	950	915	948	916	950	977
10	846	765	831	757	799	801	837	806	835	807	837
11	764	711	643	698	636	671	673	703	677	701	678
12	515	701	653	586	636	579	613	615	645	622	647
UN	78	78	78	78	78	78	78	78	78	78	78
Total	**10,815**	**10,948**	**10,901**	**10,917**	**11,018**	**11,089**	**11,232**	**11,362**	**11,501**	**11,624**	**11,786**
K-5	5,262	5,300	5,302	5,347	5,380	5,461	5,535	5,604	5,692	5,795	5,890
6-8	2,558	2,526	2,613	2,622	2,658	2,627	2,659	2,686	2,736	2,749	2,757
9-12	2,995	3,122	2,986	2,948	2,980	3,001	3,038	3,072	3,073	3,080	3,139

	5 Year Growth: 2007-08 to 2012-13		5 Year Growth: 2012-13 to 2017-18		10 Year Growth: 2007-08 to 2017-18	
	Growth	**Pct.**	**Growth**	**Pct.**	**Growth**	**Pct.**
K-5	199	*4%*	429	*8%*	628	*12%*
6-8	69	*3%*	130	*5%*	199	*8%*
9-12	6	*0%*	138	*5%*	144	*5%*
Total	**274**	***3%***	**697**	***6%***	**971**	***9%***

Population Research Center, Portland State University, February 2007

Table A6

Reynolds School District, HIGH SERIES Enrollment Forecasts, 2007-08 to 2017-18

	Actual	Forecast									
Grade	**2007-08**	**2008-09**	**2009-10**	**2010-11**	**2011-12**	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**
K	854	889	888	926	994	1,035	1,084	1,129	1,162	1,190	1,224
1	860	922	944	950	990	1,063	1,106	1,159	1,207	1,242	1,272
2	881	852	913	941	947	987	1,059	1,102	1,155	1,203	1,238
3	851	881	852	919	947	953	994	1,066	1,109	1,163	1,211
4	890	860	890	866	934	963	969	1,011	1,084	1,127	1,182
5	848	890	860	896	872	940	969	975	1,018	1,091	1,134
6	853	857	900	872	909	884	953	983	989	1,033	1,107
7	813	861	865	909	881	919	893	963	993	999	1,044
8	892	812	860	864	908	880	918	892	962	992	998
9	870	947	862	914	918	965	935	975	948	1,022	1,054
10	846	761	828	753	798	802	842	816	851	828	892
11	764	712	641	698	634	672	676	710	688	717	698
12	515	707	659	596	650	590	625	629	661	640	667
UN	78	78	78	78	78	78	78	78	78	78	78
Total	**10,815**	**11,029**	**11,040**	**11,182**	**11,460**	**11,731**	**12,101**	**12,488**	**12,905**	**13,325**	**13,799**
K-5	5,262	5,372	5,425	5,576	5,762	6,019	6,259	6,520	6,813	7,094	7,339
6-8	2,558	2,530	2,625	2,645	2,698	2,683	2,764	2,838	2,944	3,024	3,149
9-12	2,995	3,127	2,990	2,961	3,000	3,029	3,078	3,130	3,148	3,207	3,311

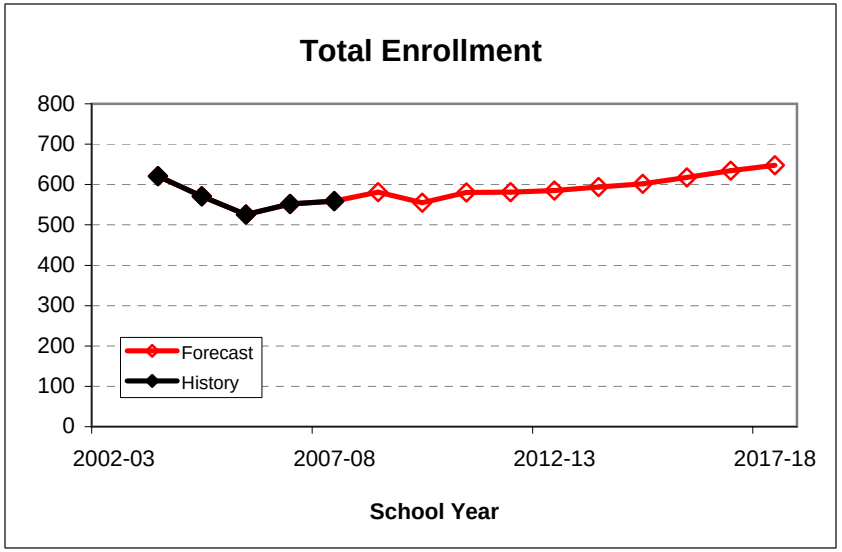
	5 Year Growth: 2007-08 to 2012-13		5 Year Growth: 2012-13 to 2017-18		10 Year Growth: 2007-08 to 2017-18	
	Growth	**Pct.**	**Growth**	**Pct.**	**Growth**	**Pct.**
K-5	757	*14%*	1,320	*22%*	2,077	*39%*
6-8	125	*5%*	466	*17%*	591	*23%*
9-12	34	*1%*	282	*9%*	316	*11%*
Total	**916**	***8%***	**2,068**	***18%***	**2,984**	***28%***

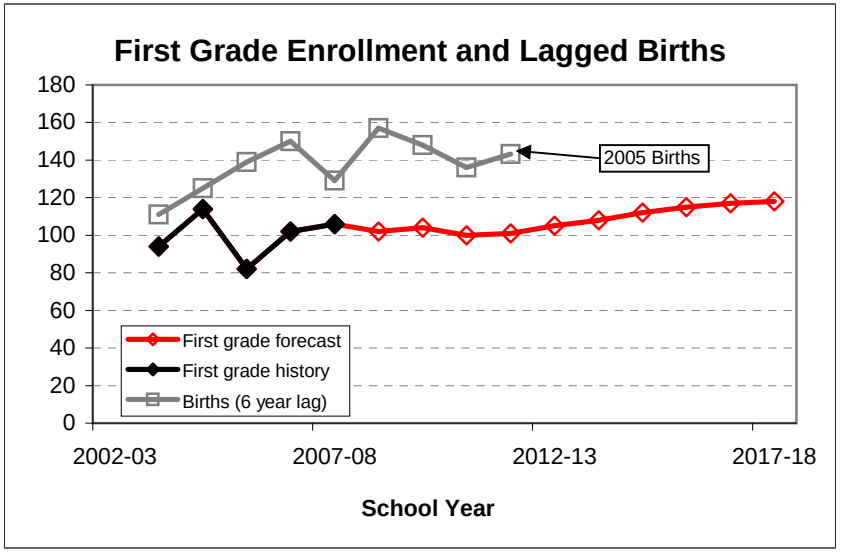
Population Research Center, Portland State University, February 2007

APPENDIX B

POPULATION, HOUSING, AND ENROLLMENT PROFILES FOR INDIVIDUAL SCHOOLS

Alder Elementary School -- Population, Housing, and Enrollment Profile





B-1

1990 and 2000 Census Data

2006-07 attendance area boundaries

	1990	2000	'90-'00 Change	
			Number	Percent
Total Population	3,642	4,951	1,309	*36%*
Population Under Age 5	336	563	227	*68%*
Population Age 5 to 17	706	1,024	318	*45%*
Housing Units	1,439	1,719	280	*19%*
Households	1,391	1,613	222	*16%*
with children under 18	561	760	198	*35%*

Enrollment History and Forecast

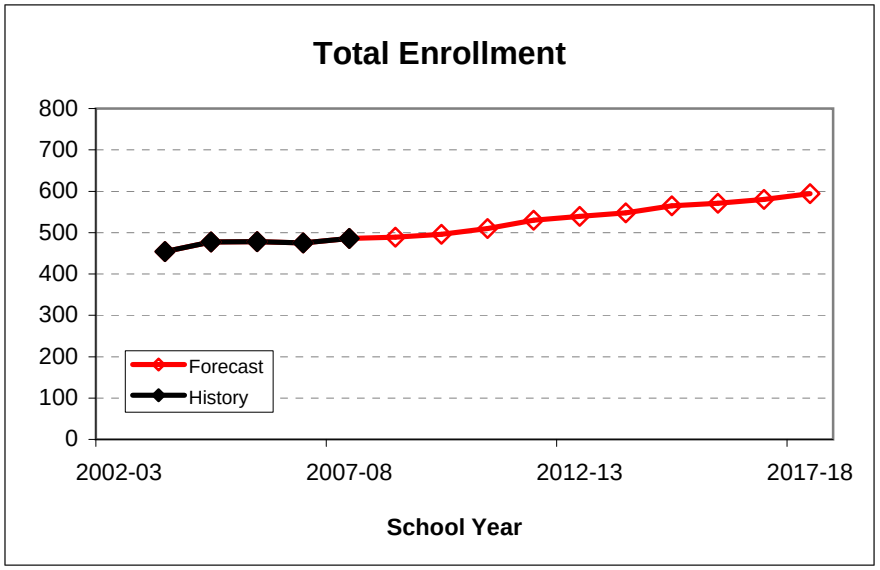
	History			Forecast	
	1997-98	2002-03	2007-08	2012-13	2017-18
Total enrollment	623	714	559	585	648
Change		*91*	*-155*	*26*	*63*

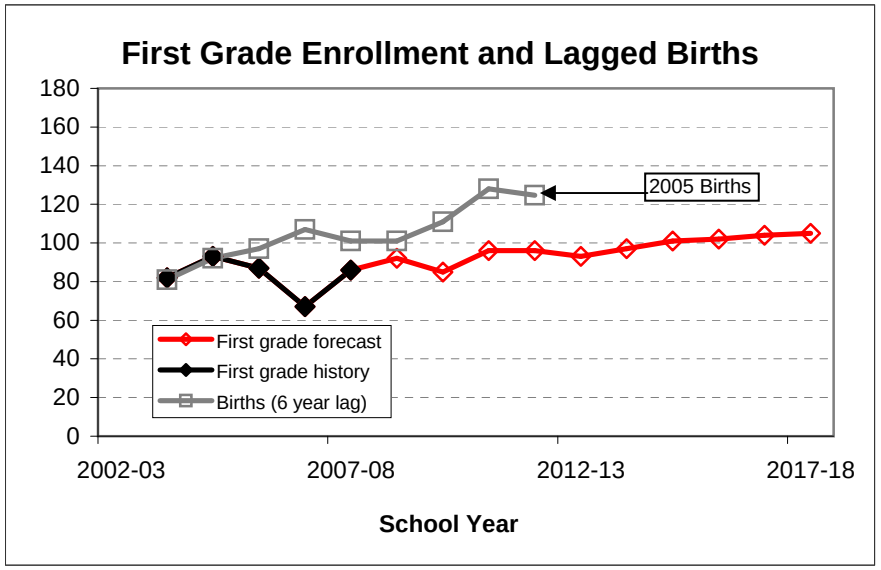
New Housing Development

Number of single family homes built 2000 to 2006:	40
Number of multiple family units built 2000 to 2006:	105

Source: Multnomah County GIS, supplemented by PRC research.

Davis Elementary School -- Population, Housing, and Enrollment Profile





B-2

1990 and 2000 Census Data

2006-07 attendance area boundaries

	1990	2000	'90-'00 Change	
			Number	Percent
Total Population	3,796	5,371	1,575	*41%*
Population Under Age 5	361	568	206	*57%*
Population Age 5 to 17	654	995	341	*52%*
Housing Units	1,599	1,915	316	*20%*
Households	1,492	1,787	294	*20%*
with children under 18	553	764	211	*38%*

Enrollment History and Forecast

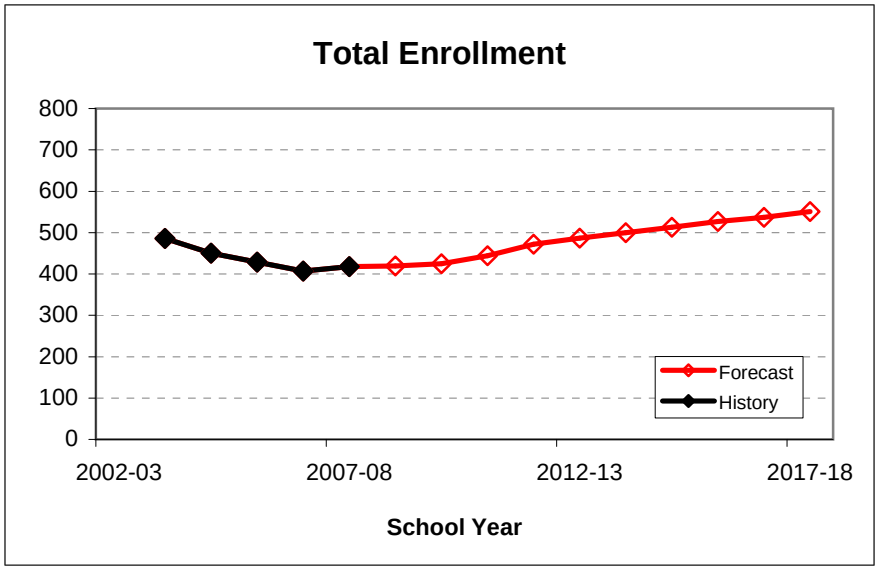
	History			Forecast	
	1997-98	2002-03	2007-08	2012-13	2017-18
Total enrollment	361	501	486	539	594
Change		*140*	*-15*	*53*	*55*

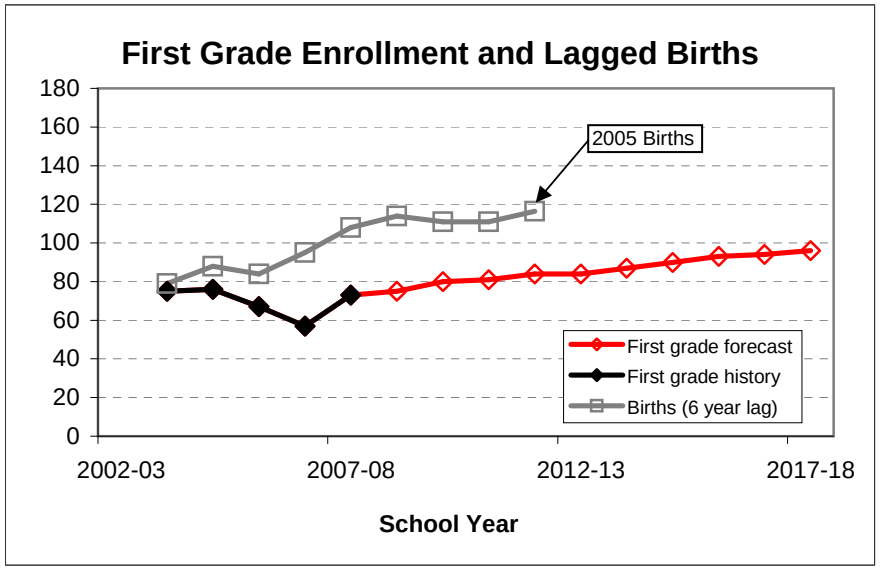
New Housing Development

Number of single family homes built 2000 to 2006:	61
Number of multiple family units built 2000 to 2006:	322

Source: Multnomah County GIS, supplemented by PRC research.

Fairview Elementary School -- Population, Housing, and Enrollment Profile





1990 and 2000 Census Data

2006-07 attendance area boundaries

	1990	2000	'90-'00 Change	
			Number	Percent
Total Population	2,745	5,725	2,980	*109%*
Population Under Age 5	201	490	290	*144%*
Population Age 5 to 17	506	1,057	551	*109%*
Housing Units	1,076	2,366	1,290	*120%*
Households	1,029	2,125	1,095	*106%*
with children under 18	383	825	442	*115%*

Enrollment History and Forecast

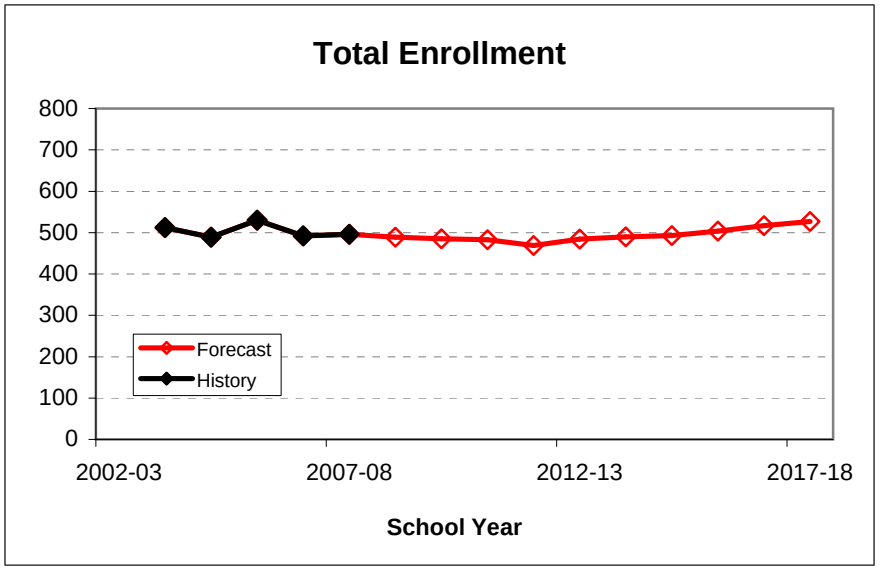
	History			Forecast	
	1997-98	2002-03	2007-08	2012-13	2017-18
Total enrollment	388	482	418	487	551
Change		*94*	*-64*	*69*	*64*

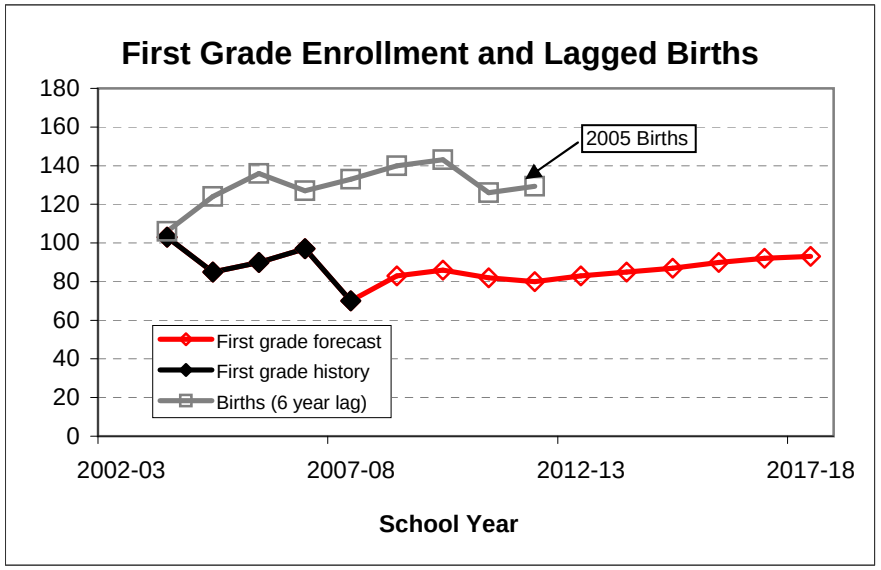
New Housing Development

Number of single family homes built 2000 to 2006:	578
Number of multiple family units built 2000 to 2006:	0

Source: Multnomah County GIS, supplemented by PRC research.

Glenfair Elementary School -- Population, Housing, and Enrollment Profile





1990 and 2000 Census Data

2006-07 attendance area boundaries

	1990	2000	'90-'00 Change	
			Number	Percent
Total Population	4,419	5,849	1,430	*32%*
Population Under Age 5	375	562	187	*50%*
Population Age 5 to 17	706	990	284	*40%*
Housing Units	1,882	2,366	484	*26%*
Households	1,810	2,205	396	*22%*
with children under 18	615	813	198	*32%*

Enrollment History and Forecast

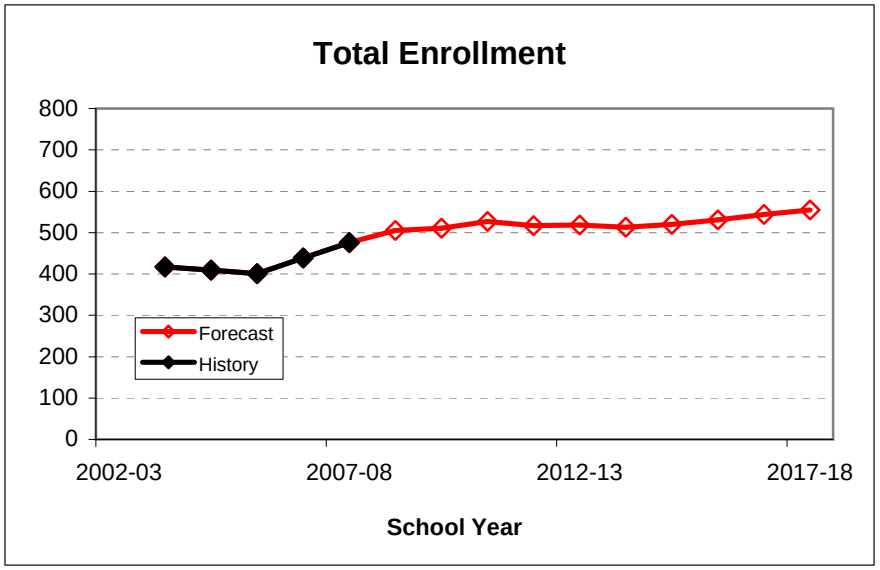
	History			Forecast	
	1997-98	2002-03	2007-08	2012-13	2017-18
Total enrollment	491	566	496	484	527
Change		*75*	*-70*	*-12*	*43*

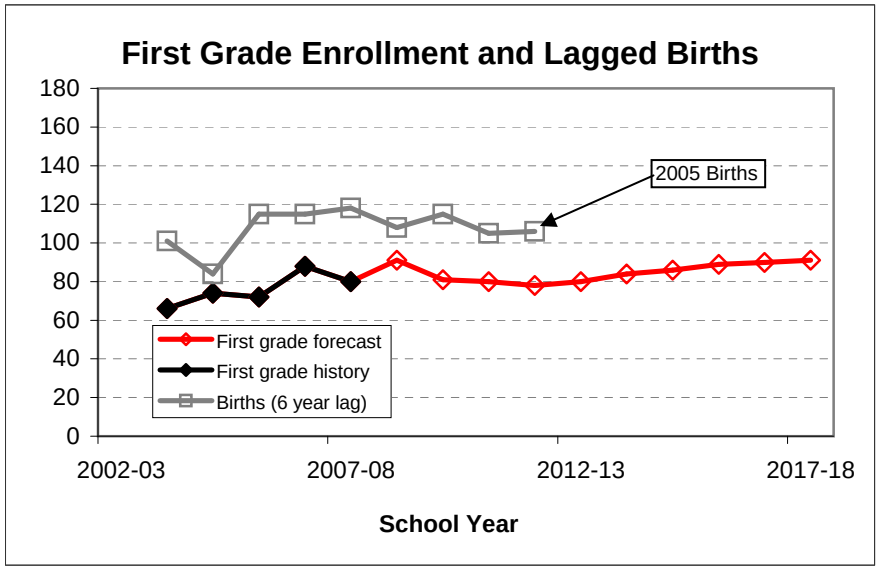
New Housing Development

Number of single family homes built 2000 to 2006:	66
Number of multiple family units built 2000 to 2006:	321

Source: Multnomah County GIS, supplemented by PRC research.

Hartley Elementary School -- Population, Housing, and Enrollment Profile





B-5

1990 and 2000 Census Data

2006-07 attendance area boundaries

	1990	2000	'90-'00 Change	
			Number	Percent
Total Population	4,124	5,173	1,049	*25%*
Population Under Age 5	333	498	165	*49%*
Population Age 5 to 17	744	956	212	*29%*
Housing Units	1,730	2,070	340	*20%*
Households	1,661	1,920	259	*16%*
with children under 18	614	733	119	*19%*

Enrollment History and Forecast

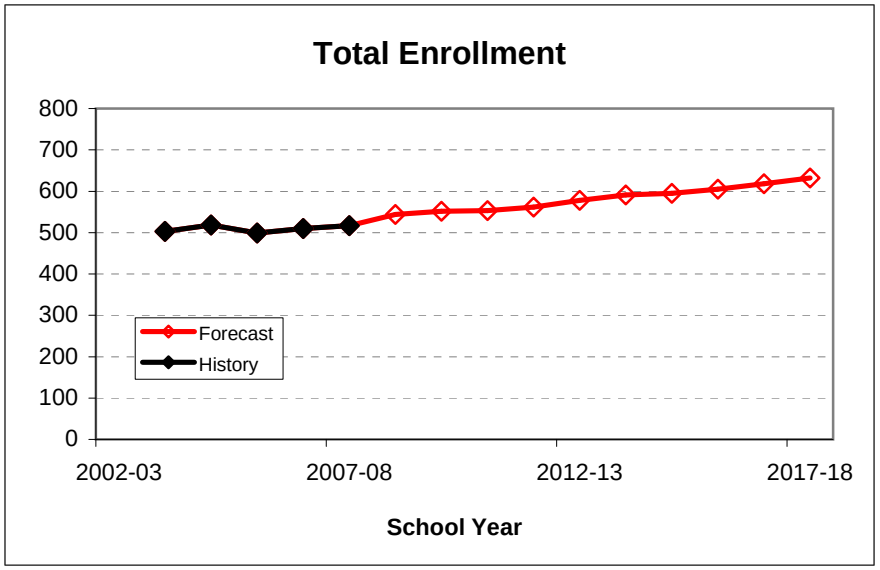
	History			Forecast	
	1997-98	2002-03	2007-08	2012-13	2017-18
Total enrollment	453	463	476	518	555
Change		*10*	*13*	*42*	*37*

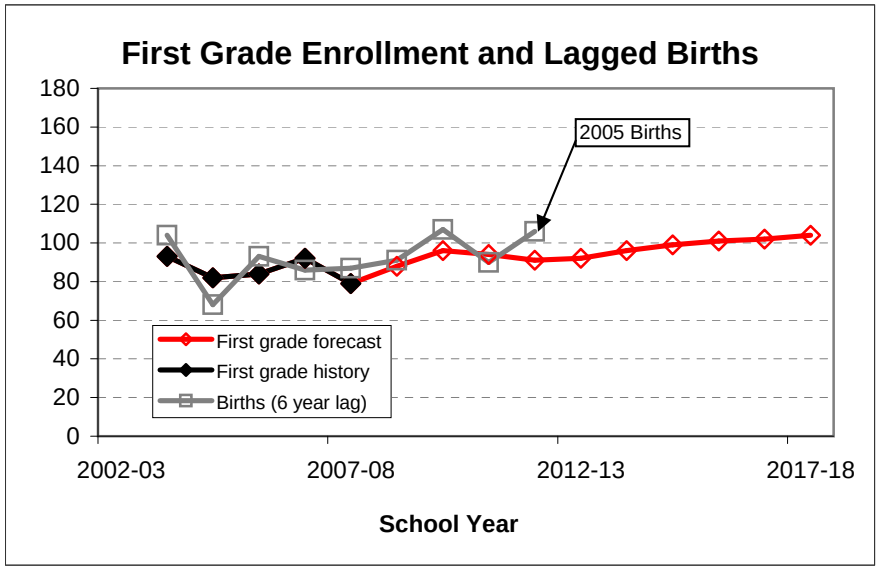
New Housing Development

Number of single family homes built 2000 to 2006:	23
Number of multiple family units built 2000 to 2006:	142

Source: Multnomah County GIS, supplemented by PRC research.

Salish Ponds Elementary School -- Population, Housing, and Enrollment Profile





1990 and 2000 Census Data

2006-07 attendance area boundaries

	1990	2000	'90-'00 Change	
			Number	Percent
Total Population	4,111	5,862	1,751	*43%*
Population Under Age 5	318	500	181	*57%*
Population Age 5 to 17	681	1,141	460	*68%*
Housing Units	1,661	2,376	714	*43%*
Households	1,588	2,209	621	*39%*
with children under 18	572	852	280	*49%*

Enrollment History and Forecast

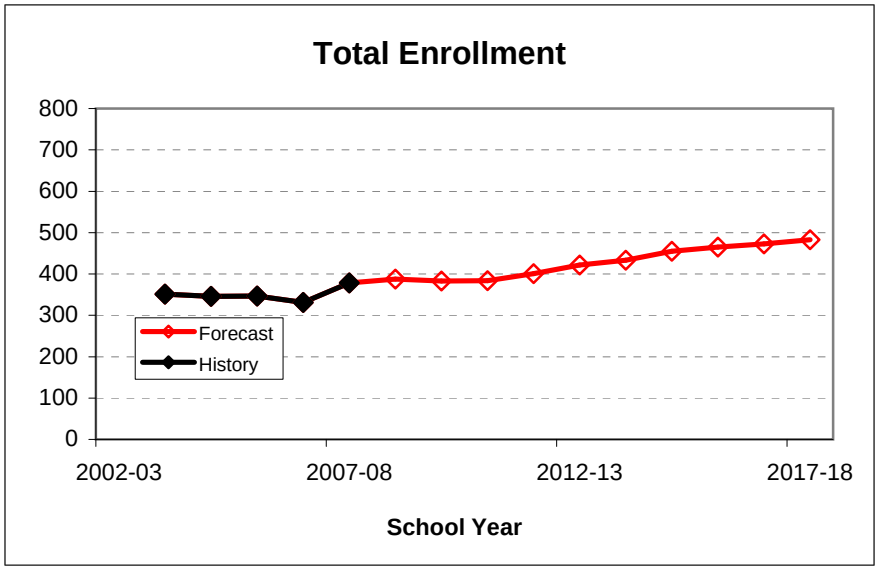
	History			Forecast	
	1997-98	2002-03	2007-08	2012-13	2017-18
Total enrollment	0	0	517	578	632
Change		*0*	*517*	*61*	*54*

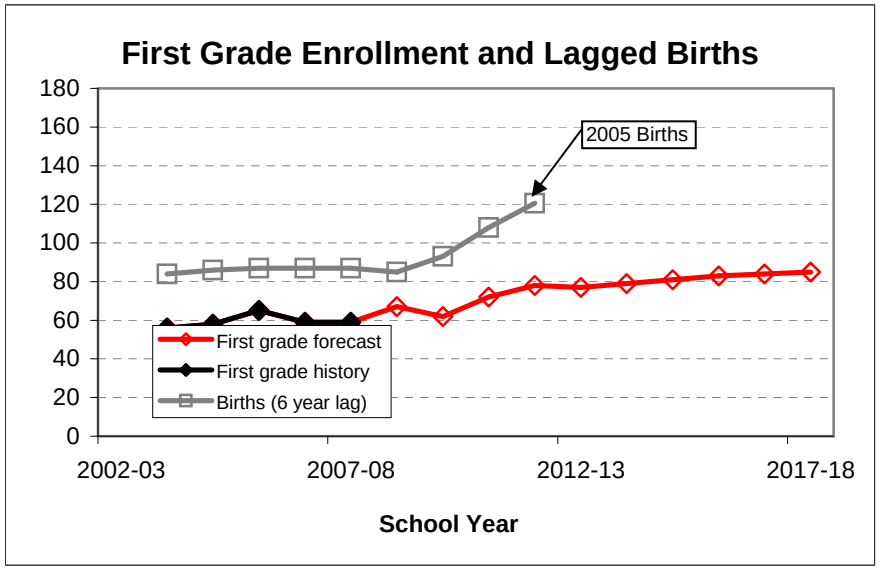
New Housing Development

Number of single family homes built 2000 to 2006:	71
Number of multiple family units built 2000 to 2006:	4

Source: Multnomah County GIS, supplemented by PRC research.

M.Scott Elementary School -- Population, Housing, and Enrollment Profile





1990 and 2000 Census Data

2006-07 attendance area boundaries

	1990	2000	'90-'00 Change Number	'90-'00 Change Percent
Total Population	5,773	7,533	1,759	*30%*
Population Under Age 5	323	387	64	*20%*
Population Age 5 to 17	785	1,056	271	*35%*
Housing Units	2,659	3,517	858	*32%*
Households	2,446	3,366	920	*38%*
with children under 18	610	774	165	*27%*

Enrollment History and Forecast

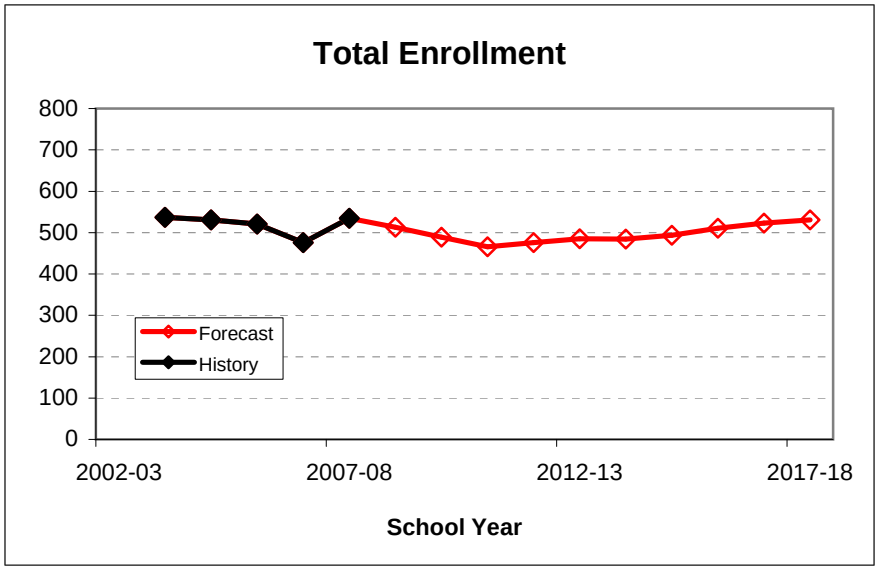
	History			Forecast	
	1997-98	2002-03	2007-08	2012-13	2017-18
Total enrollment	323	343	378	422	483
Change		*20*	*35*	*44*	*61*

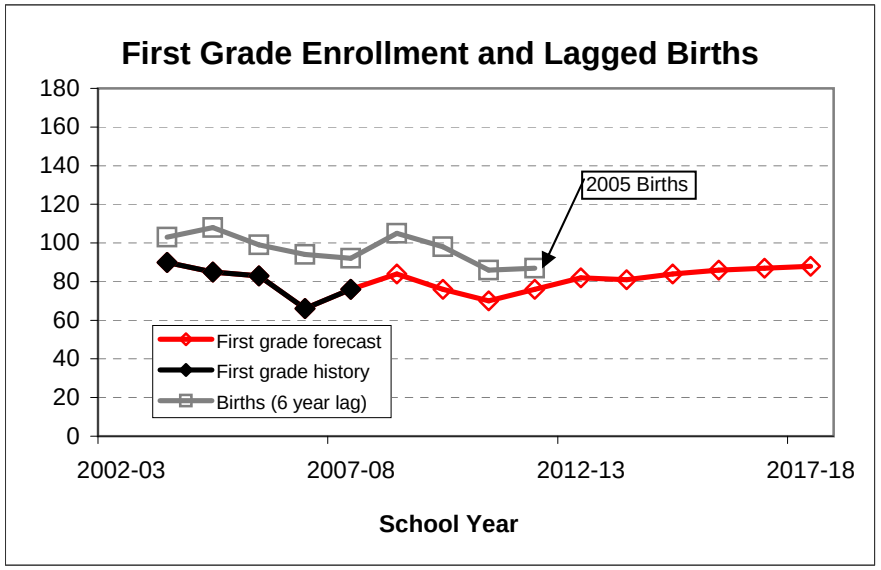
New Housing Development

Number of single family homes built 2000 to 2006:	168
Number of multiple family units built 2000 to 2006:	249

Source: Multnomah County GIS, supplemented by PRC research.

Sweetbriar Elementary School -- Population, Housing, and Enrollment Profile





1990 and 2000 Census Data

2006-07 attendance area boundaries

	1990	2000	'90-'00 Change	
			Number	Percent
Total Population	4,147	6,468	2,321	*56%*
Population Under Age 5	379	554	175	*46%*
Population Age 5 to 17	1,122	1,492	370	*33%*
Housing Units	1,289	2,232	943	*73%*
Households	1,257	2,168	912	*73%*
with children under 18	765	1,078	313	*41%*

Enrollment History and Forecast

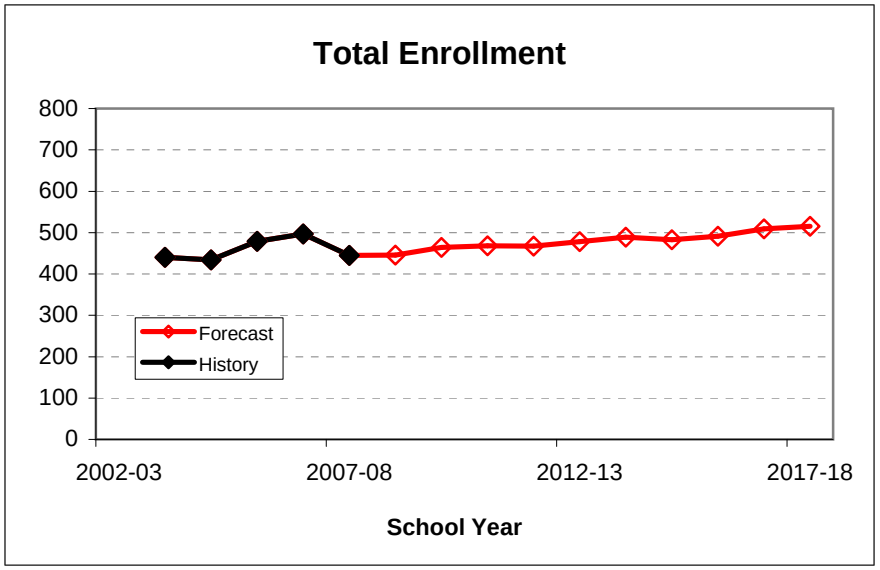
	History			Forecast	
	1997-98	2002-03	2007-08	2012-13	2017-18
Total enrollment	535	537	535	485	531
Change		*2*	*-2*	*-50*	*46*

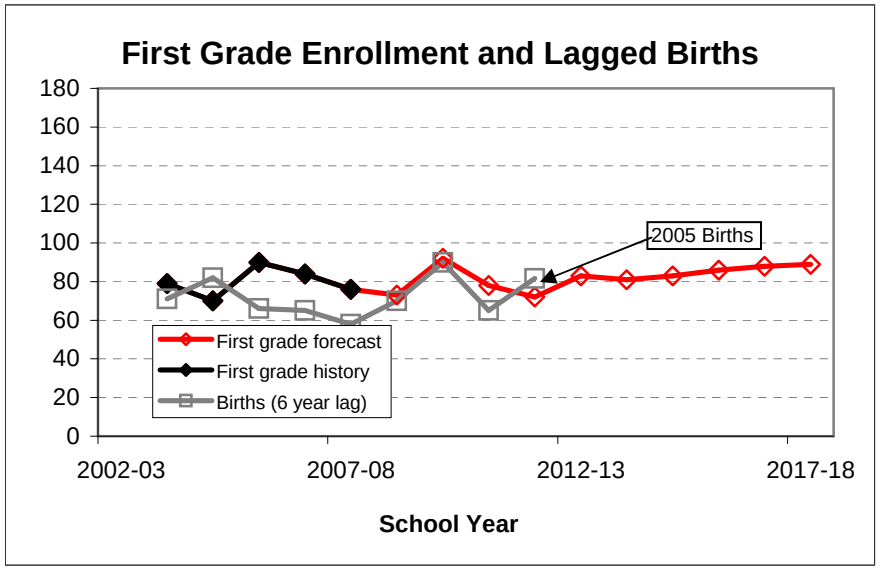
New Housing Development

Number of single family homes built 2000 to 2006:	55
Number of multiple family units built 2000 to 2006:	48

Source: Multnomah County GIS, supplemented by PRC research.

Troutdale Elementary School -- Population, Housing, and Enrollment Profile





1990 and 2000 Census Data

2006-07 attendance area boundaries

	1990	2000	'90-'00 Change	
			Number	Percent
Total Population	2,681	4,488	1,807	*67%*
Population Under Age 5	203	367	164	*80%*
Population Age 5 to 17	650	859	209	*32%*
Housing Units	936	1,695	759	*81%*
Households	908	1,603	695	*77%*
with children under 18	443	665	222	*50%*

Enrollment History and Forecast

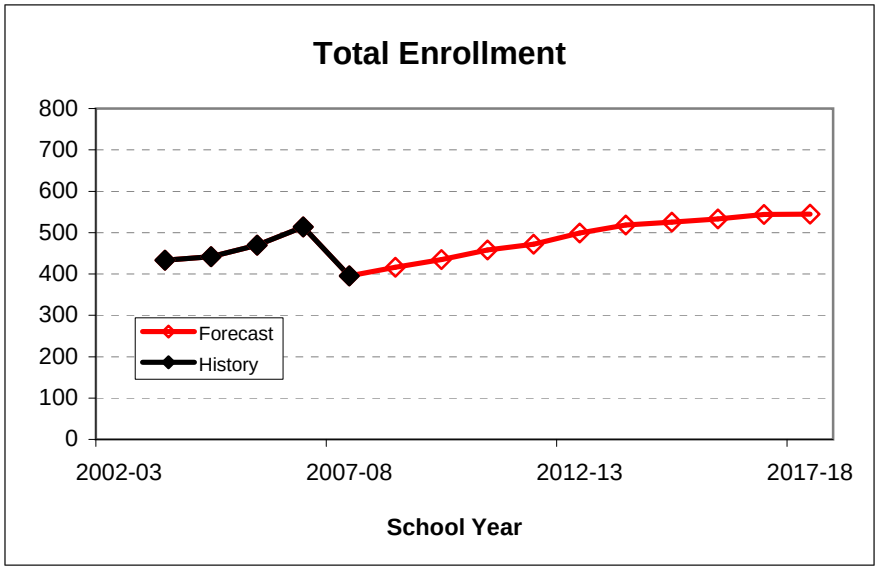
	History			Forecast	
	1997-98	2002-03	2007-08	2012-13	2017-18
Total enrollment	442	516	445	478	515
Change		*74*	*-71*	*33*	*37*

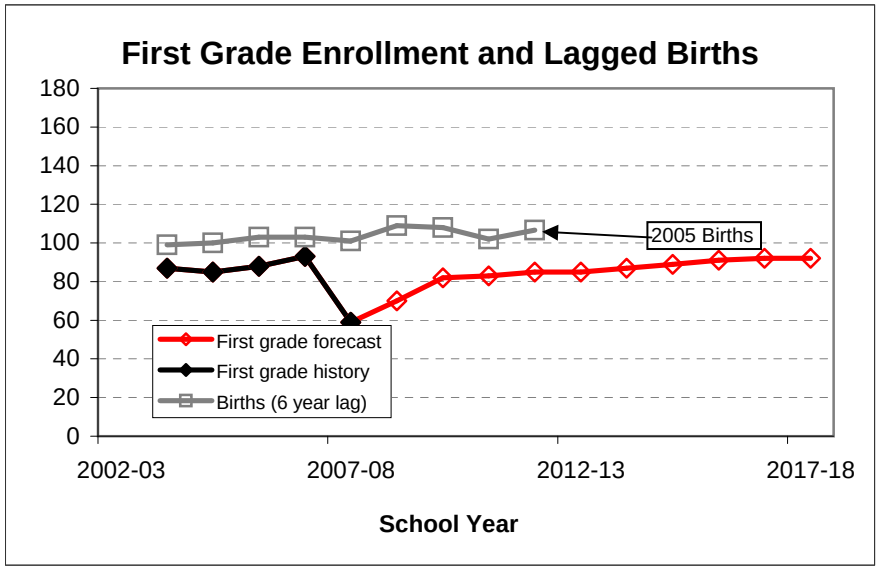
New Housing Development

Number of single family homes built 2000 to 2006:	305
Number of multiple family units built 2000 to 2006:	299

Source: Multnomah County GIS, supplemented by PRC research.

Wilkes Elementary School -- Population, Housing, and Enrollment Profile





1990 and 2000 Census Data

2006-07 attendance area boundaries

	1990	2000	'90-'00 Change	
			Number	Percent
Total Population	5,020	5,532	511	*10%*
Population Under Age 5	349	419	71	*20%*
Population Age 5 to 17	818	974	157	*19%*
Housing Units	2,164	2,244	80	*4%*
Households	2,074	2,106	33	*2%*
with children under 18	658	721	63	*10%*

Enrollment History and Forecast

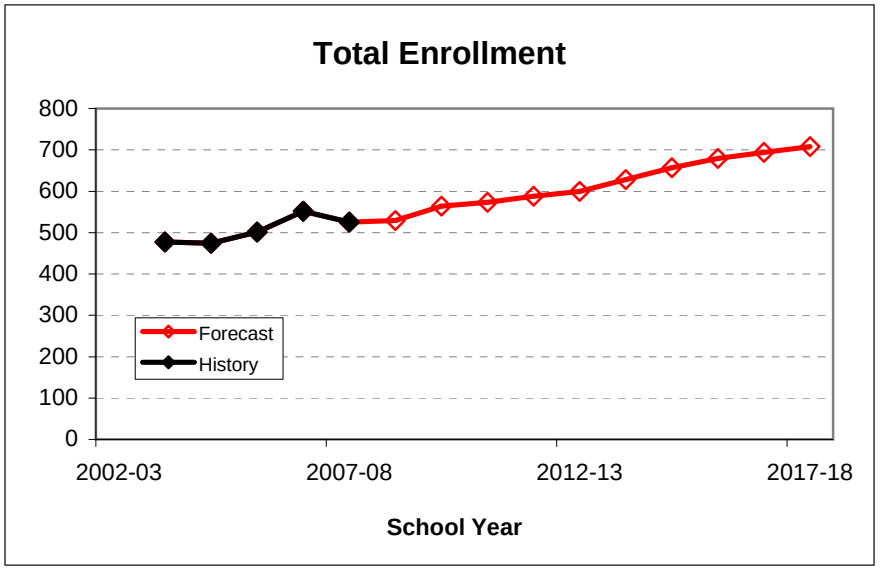
	History			Forecast	
	1997-98	2002-03	2007-08	2012-13	2017-18
Total enrollment	431	431	395	499	545
Change		*0*	*-36*	*104*	*46*

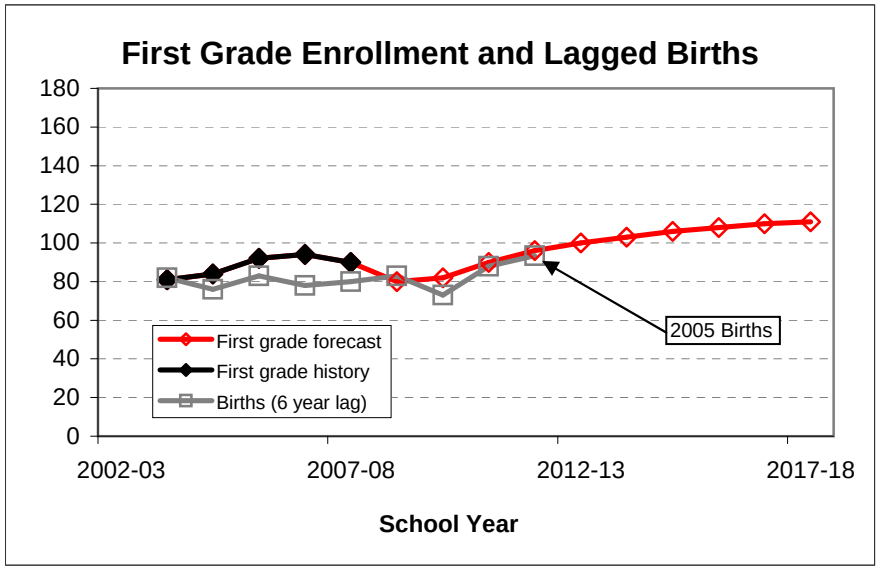
New Housing Development

Number of single family homes built 2000 to 2006:	96
Number of multiple family units built 2000 to 2006:	69

Source: Multnomah County GIS, supplemented by PRC research.

Woodland Elementary School -- Population, Housing, and Enrollment Profile





1990 and 2000 Census Data

2006-07 attendance area boundaries

	1990	2000	'90-'00 Change Number	'90-'00 Change Percent
Total Population	2,208	4,306	2,098	*95%*
Population Under Age 5	191	362	171	*90%*
Population Age 5 to 17	437	851	413	*95%*
Housing Units	838	1,587	749	*89%*
Households	809	1,500	692	*85%*
with children under 18	354	658	304	*86%*

Enrollment History and Forecast

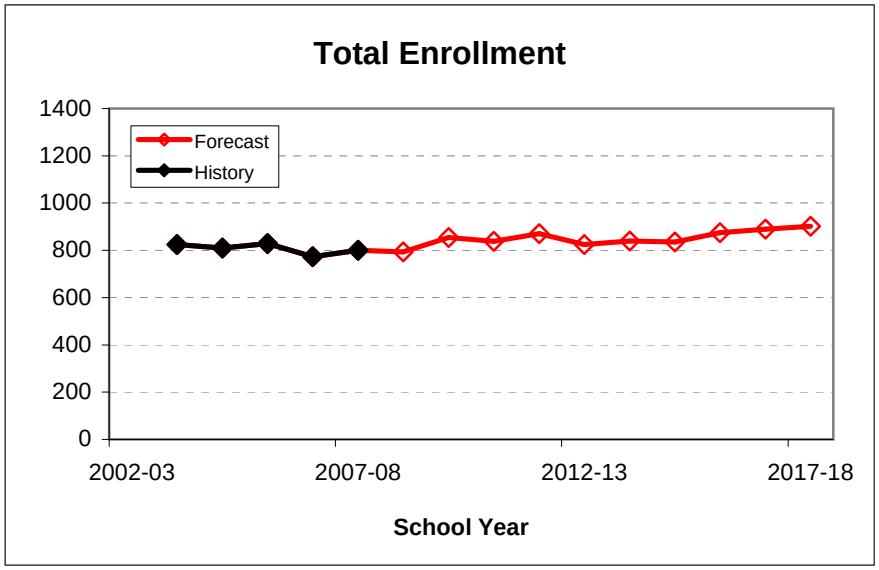
	History			Forecast	
	1997-98	2002-03	2007-08	2012-13	2017-18
Total enrollment	467	561	525	600	708
Change		*94*	*-36*	*75*	*108*

New Housing Development

Number of single family homes built 2000 to 2006:	206
Number of multiple family units built 2000 to 2006:	539

Source: Multnomah County GIS, supplemented by PRC research.

HB Lee Middle School -- Population, Housing, and Enrollment Profile



1990 and 2000 Census Data

2006-07 attendance area boundaries

	1990	2000	'90-'00 Change	
			Number	Percent
Total Population	17,886	22,308	4,422	*25%*
Population Under Age 5	1,277	1,679	403	*32%*
Population Age 5 to 17	2,815	3,694	879	*31%*
Housing Units	7,774	9,366	1,593	*20%*
Households	7,362	8,844	1,482	*20%*
with children under 18	2,276	2,783	507	*22%*

Enrollment History and Forecast

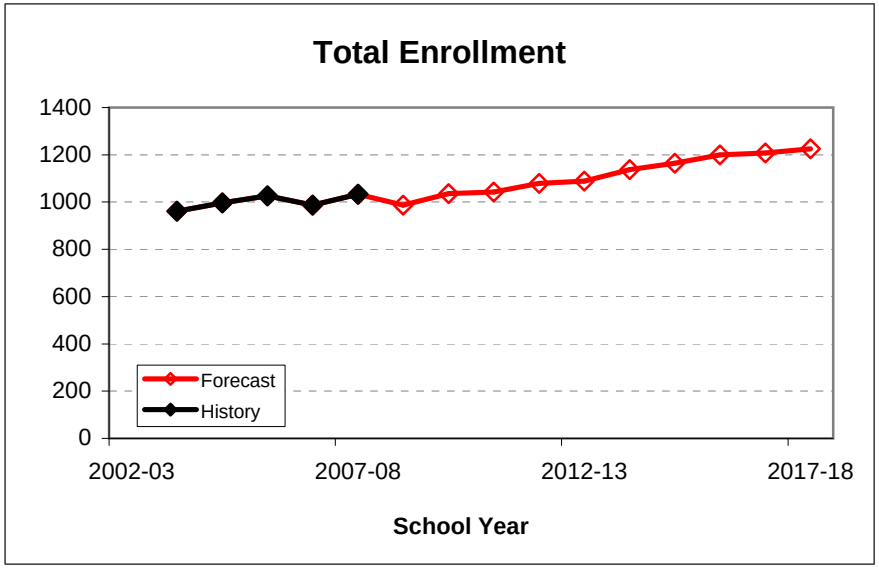
	History			Forecast	
	1997-98	2002-03	2007-08	2012-13	2017-18
Total enrollment	687	871	800	825	902
Change		*184*	*-71*	*25*	*77*

New Housing Development

Number of single family homes built 2000 to 2006:	370
Number of multiple family units built 2000 to 2006:	744

Source: Multnomah County GIS, supplemented by PRC research.

Reynolds Middle School -- Population, Housing, and Enrollment Profile



1990 and 2000 Census Data

2006-07 attendance area boundaries

	1990	2000	'90-'00 Change	
			Number	Percent
Total Population	16,794	25,192	8,397	*50%*
Population Under Age 5	1,392	2,420	1,027	*74%*
Population Age 5 to 17	2,973	4,765	1,792	*60%*
Housing Units	6,864	9,838	2,974	*43%*
Households	6,537	9,063	2,526	*39%*
with children under 18	2,443	3,666	1,223	*50%*

Enrollment History and Forecast

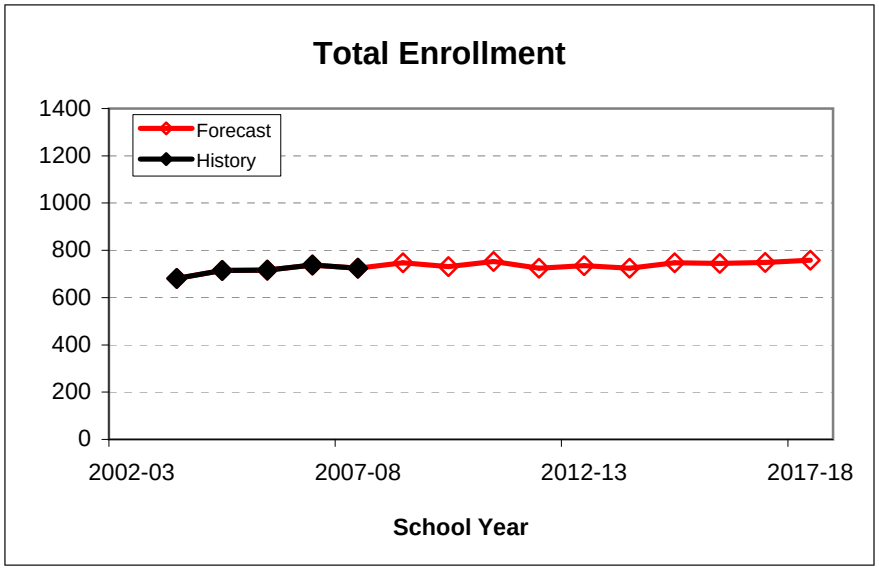
	History			Forecast	
	1997-98	2002-03	2007-08	2012-13	2017-18
Total enrollment	1,143	893	1,033	1,088	1,225
Change		*-250*	*140*	*55*	*137*

New Housing Development

Number of single family homes built 2000 to 2006:	892
Number of multiple family units built 2000 to 2006:	869

Source: Multnomah County GIS, supplemented by PRC research.

Walt Morey Middle School -- Population, Housing, and Enrollment Profile



1990 and 2000 Census Data

2006-07 attendance area boundaries

	1990	2000	'90-'00 Change	
			Number	Percent
Total Population	7,986	13,757	5,771	*72%*
Population Under Age 5	700	1,171	471	*67%*
Population Age 5 to 17	2,021	2,936	915	*45%*
Housing Units	2,635	4,883	2,248	*85%*
Households	2,567	4,697	2,130	*83%*
with children under 18	1,409	2,194	785	*56%*

Enrollment History and Forecast

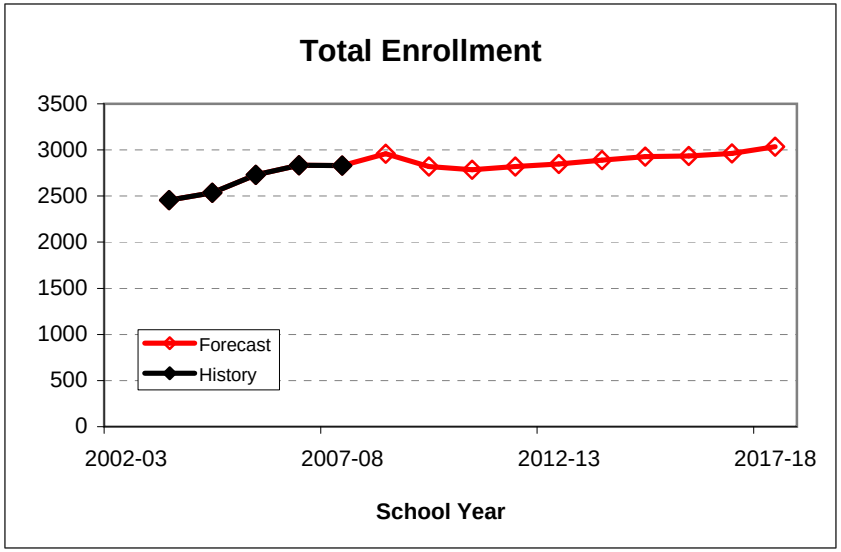
	History			Forecast	
	1997-98	2002-03	2007-08	2012-13	2017-18
Total enrollment	0	698	725	735	758
Change		*698*	*27*	*10*	*23*

New Housing Development

Number of single family homes built 2000 to 2006:	407
Number of multiple family units built 2000 to 2006:	485

Source: Multnomah County GIS, supplemented by PRC research.

Reynolds High School -- Population, Housing, and Enrollment Profile



1990 and 2000 Census Data

2006-07 attendance area boundaries

	1990	2000	'90-'00 Change	
			Number	Percent
Total Population	42,666	61,257	18,591	*44%*
Population Under Age 5	3,369	5,270	1,901	*56%*
Population Age 5 to 17	7,809	11,396	3,587	*46%*
Housing Units	17,273	24,087	6,814	*39%*
Households	16,465	22,603	6,138	*37%*
with children under 18	6,129	8,644	2,515	*41%*

Enrollment History and Forecast

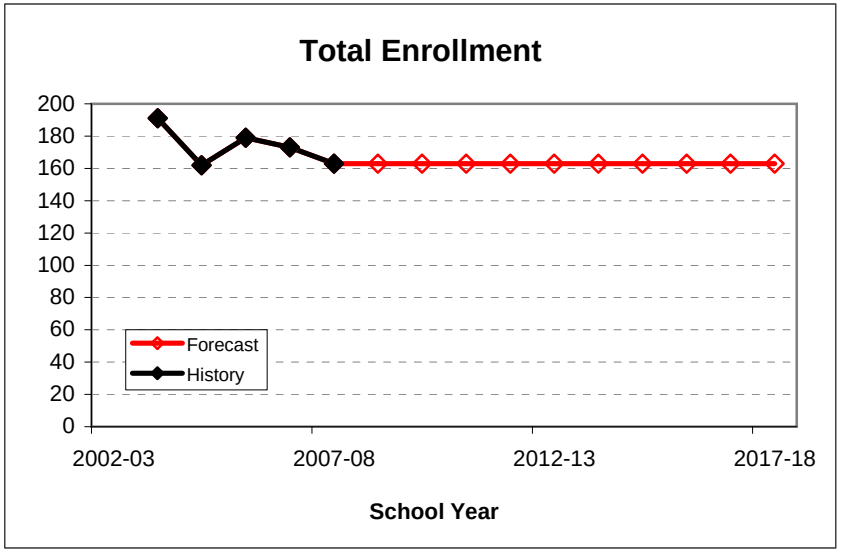
	History			Forecast	
	1997-98	2002-03	2007-08	2012-13	2017-18
Total enrollment	1822	2410	2832	2847	3036
Change		*588*	*422*	*15*	*189*

New Housing Development

Number of single family homes built 2000 to 2006:	1,669
Number of multiple family units built 2000 to 2006:	2,098

Source: Multnomah County GIS, supplemented by PRC research.

Reynolds Learning Academy -- Population, Housing, and Enrollment Profile



1990 and 2000 Census Data

2006-07 attendance area boundaries

	1990	2000	'90-'00 Change	
			Number	Percent
Total Population	42,666	61,257	18,591	*44%*
Population Under Age 5	3,369	5,270	1,901	*56%*
Population Age 5 to 17	7,809	11,396	3,587	*46%*
Housing Units	17,273	24,087	6,814	*39%*
Households	16,465	22,603	6,138	*37%*
with children under 18	6,129	8,644	2,515	*41%*

Enrollment History and Forecast

	History			Forecast	
	1997-98	2002-03	2007-08	2012-13	2017-18
Total enrollment	293	198	163	163	163
Change		*-95*	*-35*	*0*	*0*

New Housing Development

Number of single family homes built 2000 to 2006:	1,669
Number of multiple family units built 2000 to 2006:	2,098

Source: Multnomah County GIS, supplemented by PRC research.

APPENDIX C

HOUSING UNITS BY TYPE AND SCHOOL ATTENDANCE AREA, 2000-2006

Table C1

Reynolds School District Housing Activity by Housing Type, 1990 to 2006

Housing Type	1990-1999 Total	1990-1999 Average	1990-1999 Share	2000-2006 Total	2000-2006 Average	2000-2006 Share
Single Family, Detached	2,672	267	38%	1,221	174	30%
Single Family, Attached	124	12	2%	448	64	11%
Condominiums	158	16	2%	237	34	6%
Multi Family, Market Rate	2,044	204	29%	1,323	189	33%
Multi Family, Subsidized	993	99	14%	385	55	10%
Mobile Homes	706	71	10%	245	35	6%
Floating Houses (Marina)	32	3	0%	29	4	1%
Elderly/Nursing Homes	275	28	4%	153	22	4%
Total	**7,004**	**700**	**100%**	**4,041**	**577**	**100%**

Source:Multnomah County GIS; data aggregated to Reynolds boundary by Population Research Center; all data are for 2007-08 attendance areas.

Table C2
Reynolds School District
Single and Multi Family Units Built 2000 to 2006

Elementary School	Middle School	Year Built							2000-06
Single Family Units		**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**Total**
ALDER	H.B. LEE	17	8	7	3	3	0	2	**40**
DAVIS	REYNOLDS MIDDLE	32	3	11	2	3	6	4	**61**
FAIRVIEW	REYNOLDS MIDDLE	106	140	87	89	47	47	62	**578**
GLENFAIR	H.B. LEE	10	0	2	4	23	23	4	**66**
HARTLEY	REYNOLDS MIDDLE	1	0	9	0	10	2	1	**23**
SALISH PONDS	REYNOLDS MIDDLE	2	20	23	5	3	2	16	**71**
SCOTT	H.B. LEE	16	0	28	70	52	0	2	**168**
SWEETBRIAR	WALT MOREY	25	2	7	13	5	0	3	**55**
TROUTDALE	WALT MOREY	1	4	14	4	17	79	186	**305**
WILKES	H.B. LEE	5	8	38	16	7	12	10	**96**
WOODLAND	REYNOLDS MIDDLE	35	39	18	15	17	9	26	**159**
WOODLAND	WALT MOREY	0	0	0	0	0	16	31	**47**
District Total		**250**	**224**	**244**	**221**	**187**	**196**	**347**	**1,669**

Elementary School	Middle School	Year Built							2000-06
Multi Family Units		**2000**	**2001**	**2002**	**2003**	**2004**	**2005**	**2006**	**Total**
ALDER	H.B. LEE	22	49	2	0	32	0	0	**105**
DAVIS	REYNOLDS MIDDLE	0	47	0	19	225	14	17	**322**
FAIRVIEW	REYNOLDS MIDDLE	0	0	0	0	0	0	0	**0**
GLENFAIR	H.B. LEE	0	66	4	14	153	57	27	**321**
HARTLEY	REYNOLDS MIDDLE	7	0	0	0	0	104	31	**142**
SALISH PONDS	REYNOLDS MIDDLE	0	0	4	0	0	0	0	**4**
SCOTT	H.B. LEE	39	41	10	4	30	48	77	**249**
SWEETBRIAR	WALT MOREY	0	48	0	0	0	0	0	**48**
TROUTDALE	WALT MOREY	10	34	0	228	0	5	22	**299**
WILKES	H.B. LEE	12	0	0	0	0	57	0	**69**
WOODLAND	REYNOLDS MIDDLE	124	0	2	0	204	71	0	**401**
WOODLAND	WALT MOREY	52	0	0	4	82	0	0	**138**
District Total		**266**	**285**	**22**	**269**	**726**	**356**	**174**	**2,098**

Source: Multnomah County GIS; matched to attendance areas by PRC; all data are for 2007-08 attendance areas.