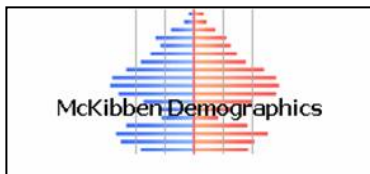




Lake Central School Corporation, IN Demographic Study

December 2015



Cropper GIS



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Executive Summary

1. The Lake Central School Districts fertility rates over the life of the forecasts are below replacement levels. (1.80 vs. replacement level of 2.1)
2. Most in-migration to the district continues to occur in the 0-to-9 and 25-to-44 age groups.
3. The local 18-to-24 year old population continues to leave the district, going to college or moving to other urbanized areas. This population accounts for the largest segment of the district's out migration flow.
4. The primary factor causing the district's enrollment to decline is the lack of the turnover of "empty nest" households in the district and coupled with a lower level of in-migration of young households/families.
5. Changes in year-to-year enrollment (at least for the next five years) will primarily be due to smaller cohorts entering and moving through the system in conjunction with larger cohorts leaving the system.
6. The elementary enrollment will begin a slow, but persistent decline after 2019.
7. The median age of the district population will increase from 40.8 in 2010 to 45.0 in 2025.
8. As the district continues to have less new home construction, (as compared to the 2001-2007 time period) the rate and magnitude of existing home sales will become the increasingly dominant factor affecting the amount of population and enrollment change.
9. Total enrollment is projected to decrease by 401 students, or -4.2%, between 2015-16 and 2020-21. Total enrollment will decline by 219 students, or -2.4%, from 2020-21 to 2025-26.



INTRODUCTION

By demographic principle, distinctions are made between projections and forecasts. A projection extrapolates the past (and present) into the future with little or no attempt to take into account any factors that may impact the extrapolation (e.g., changes in fertility rates, housing patterns or migration patterns) while a forecast results when a projection is modified by reasoning to take into account the aforementioned factors.

To maximize the use of this study as a planning tool, the ultimate goal is not simply to project the past into the future, but rather to assess various factors' impact on the future. The future population and enrollment change of each school district is influenced by a variety of factors. Not all factors will influence the entire school district at the same level. Some may affect different areas at dissimilar magnitudes and rates causing changes at varying points of time within the same district. The forecaster's judgment, based on a thorough and intimate study of the district, has been used to modify the demographic trends and factors to more accurately predict likely changes. Therefore, strictly speaking, this study is a forecast, not a projection; and the amount of modification of the demographic trends varies between different areas of the district as well as within the timeframe of the forecast.

To calculate population forecasts of any type, particularly for smaller populations such as a school district, realistic suppositions must be made as to what the future will bring in terms of age specific fertility rates and residents' demographic behavior at certain points of the life course. The demographic history of the school district and its interplay with the social and economic history of the area is the starting point and basis of most of these suppositions particularly on key factors such as the age structure of the area. The unique nature of each district's and attendance area's demographic composition and rate of change over time must be assessed and understood to be factors throughout the life of the forecast series. Moreover, no two populations, particularly at the school district and attendance area level, have exactly the same characteristics.

The manifest purpose of these forecasts is to ascertain the demographic factors that will ultimately influence the enrollment levels in the district's schools. There are of course, other non-demographic

factors that affect enrollment levels over time. These factors include, but are not limited to transfer policies within the district; student transfers to and from neighboring districts; placement of "special programs" within school facilities that may serve students from outside the attendance area; state or federal mandates that dictate the movement of students from one facility to another (No Child Left Behind is an excellent example of this factor); the development of charter schools in the district; the prevalence of home schooling in the area; and the dynamics of local private schools.

Unless the district specifically requests the calculation of forecasts that reflect the effects of changes in these non-demographic factors, their influences are held constant for the life of the forecasts. Again, the main function of these forecasts is to determine what impact demographic changes will have on future enrollment. It is quite possible to calculate special "scenario" forecasts to measure the impact of school policy modifications as well as planned economic and financial changes. However in this case the results of these population and enrollment forecast are meant to represent the most likely scenario for changes over the next 10 years in the district and its attendance areas.

The first part of the report will examine the assumptions made in calculating the population forecasts for the Lake Central School Corporation. Since the results of the population forecasts drive the subsequent enrollment forecasts, the assumptions listed in this section are paramount to understanding the area's demographic dynamics. The remainder of the report is an explanation and analysis of the district's population forecasts and how they will shape the district's grade level enrollment forecasts

DATA

The data used for the forecasts come from a variety of sources. The Lake Central School Corporation provided enrollments by grade and attendance center for the school years 2010-2011 to 2015-16. Birth and death data for the years 2000 through 2014 were obtained from the Indiana Department of Health. The net migration values were calculated using Internal Revenue Service migration reports for the years 2000 through 2011. The data used for the calculation of migration models came from the United States Bureau of the Census,



2005 to 2010, and the models were designed using demographic and economic factors. The base age-sex population counts used are from the results of the 2010 Census.

Recently the Census Bureau began releasing annual estimates of demographic variables at the block group and tract level from the American Community Survey (ACS). There has been wide scale reporting of these results in the national, state and local media. However, due to the methodological problems the Census Bureau is experiencing with their estimates derived from ACS data, particularly in areas with a population of less than 60,000, the results of the ACS are not used in these forecasts. For example, given the sampling framework used by the Census Bureau, each year only 750 of the over 25,000 current households in the district would have been included. For comparison 3,800 households in the district were included in the sample for the long form questionnaire in the 2000 Census. As a result of this small sample size, the ACS survey result from the last 5 years must be aggregated to produce the tract and block group estimates.

To develop the population forecast models, past migration patterns, current age specific fertility patterns, the magnitude and dynamics of the gross migration, the age specific mortality trends, the distribution of the population by age and sex, the rate and type of existing housing unit sales, and future housing unit construction are considered to be primary variables. In addition, the change in household size relative to the age structure of the forecast area was addressed. While there was a slight drop in the average household size in the Lake Central School Corporation as well as most other areas of the state during the previous 20 years, the rate of this decline has been forecasted to slow over the next ten years.

ASSUMPTIONS

For these forecasts, the mortality probabilities are held constant at the levels calculated for the year 2010. While the number of deaths in an area are impacted by and will change given the proportion of the local population over age 65, in the absence of an extraordinary event such as a natural disaster or a breakthrough in the treatment of heart disease, death rates rarely move rapidly in any direction, particularly at the school district or attendance area

level. Thus, significant changes are not foreseen in the district's mortality rates between now and the year 2025. Any increases forecasted in the number of deaths will be due primarily to the general aging of the district's population and specifically to the increase in the number of residents aged 65 and older.

Similarly, fertility rates are assumed to stay fairly constant for the life of the forecasts. Like mortality rates, age specific fertility rates rarely change quickly or dramatically, particularly in small areas. Even with the recently reported rise in the fertility rates of the United States, overall fertility rates have stayed within a 10% range for most of the last 40 years. In fact, the vast majority of year to year change in an area's number of births is due to changes in the number of women in child bearing ages (particularly ages 20-29) rather than any fluctuation in an area's fertility rate.

The total fertility rate (TFR), the average number of births a woman will have while living in the school district during her lifetime, is estimated to be 1.80 for the total district for the ten years of the population forecasts. Births that women have while living outside the district are not included in this fertility rate and the children they bring with them are accounted for in the migration calculations. A TFR of 2.1 births per woman is considered to be the theoretical "replacement level" of fertility necessary for a population to remain constant in the absence of in-migration. Therefore, in the absence of migration, fertility alone would be insufficient to maintain the current level of population and enrollment within the Lake Central School Corporation over the course of the forecast period.

A close examination of data for the Lake Central School Corporation has shown the age specific pattern of net migration will be nearly constant throughout the life of the forecasts. While the number of in and out migrants has changed in past years for the Lake Central School Corporation (and will change again over the next 10 years), the basic age pattern of the migrants has stayed nearly the same over the last 30 years. Based on the analysis of data it is safe to assume this age specific migration trend will remain unchanged into the future. This pattern of migration shows most of the local out-migration occurring in the 18-to-24 year old age group as young adults leave the area to go to college or move to other urbanized areas. The second group



of out-migrants is those householders aged 70 and older who are downsizing their residences. Most of the local in-migration occurs in the 0-to-9 and 25-44 age groups (bulk of these two groups come from areas within 50 miles of the Lake Central School Corporation) primarily consisting of younger adults and their children.

As the Lake County area is not currently contemplating any major expansions or contractions, the forecasts also assume that the current economic, political, social, and environmental factors, as well as the transportation and public works infrastructure (with a few notable exceptions) of the Lake Central School Corporation and its attendance areas will remain the same through the year 2025. Below is a list of assumptions and issues that are specific to the Lake Central School Corporation. These issues have been used to modify the population forecast models to more accurately predict the impact of these factors on each area's population change. Specifically, the forecasts for the Lake Central School Corporation assume that throughout the study period:

- a. There will be no short term economic recovery in the next 18 months and the national, state or regional economy does not go into deep recession at anytime during the 10 years of the forecasts; (Deep recession is defined as four consecutive quarters where the GDP contracts greater than 1% per quarter)
- b. Interest rates have reached a historic low and will not fluctuate more than one percentage point in the short term; the interest rate for a 30 year fixed home mortgage stays below 5.0%;
- c. The rate of mortgage approval stays at 1999-2003 levels and lenders do not return to "sub-prime" mortgage practices;
- d. There are no additional restrictions placed on home mortgage lenders or additional bankruptcies of major credit providers;
- e. The rate of housing foreclosures does not exceed 125% of the 2005-2007 average of Lake County for any year in the forecasts;
- f. All currently planned, platted, and approved housing developments are built out and completed by 2024. All housing units constructed are occupied by 2025;
- g. The unemployment rates for the Lake County

will remain below 7.5% for the 10 years of the forecasts;

- h. The rate of students transferring into and out of the Lake Central School Corporation will remain at the 2011-12 to 2015-16 average;
- i. The inflation rate for gasoline will stay below 5% per year for the 10 years of the forecasts;
- j. There will be no building moratorium within the district;
- k. Businesses within the district and the Lake Central School Corporation area will remain viable;
- l. The number of existing home sales in the district that are a result of "distress sales" (homes worth less than the current mortgage value) will not exceed 20% of total homes sales in the district for any given year;
- m. Housing turnover rates (sale of existing homes in the district) will remain at their current levels. The majority of existing home sales are made by home owners over the age of 55;
- n. Private school and home school attendance rates will remain constant;
- o. The recent decline in new home construction has ended and building rates have stabilized;
- p. The rate of foreclosures for commercial property remains at the 2004-2008 average for Lake County;

If a major employer in the district or in the Greater Gary Metropolitan Area closes, reduces or expands its operations, the population forecasts would need to be adjusted to reflect the changes brought about by the change in economic and employment conditions. The same holds true for any type of natural disaster, major change in the local infrastructure (e.g., highway construction, water and sewer expansion, changes in zoning regulations etc.), a further economic downturn, any additional weakness in the housing market or any instance or situation that causes rapid and dramatic population changes that could not be foreseen at the time the forecasts were calculated.

The high proportion of high school graduates from the Lake Central School Corporation that attend college or move to urban areas outside of the district for employment is a significant demographic factor. Their departure is a major reason for the extremely high out-migration in the 18 to 24 age group, and was



taken into account when calculating these forecasts. The out-migration of graduating high school seniors is expected to continue over the period of the forecasts and the rate of out-migration has been forecasted to remain the same over the life of the forecast series.

Finally, all demographic trends (i.e., births, deaths, and migration) are assumed to be linear in nature and annualized over the forecast period. For example, if 1,000 births are forecasted for a 5-year period, an equal number, or proportion of the births are assumed to occur every year, 200 per year. Actual year-to-year variations do and will occur, but overall year to year trends are expected to be constant.

METHODOLOGY

The population forecasts presented in this report are the result of using the Cohort-Component Method of population forecasting (Siegel, and Swanson, 2004: 561-601) (Smith et. al. 2004). As stated in the **INTRODUCTION**, the difference between a projection and a forecast is in the use of explicit judgment based upon the unique features of the area under study. Strictly speaking, a cohort projection refers to the future population that would result if a mathematical extrapolation of historical trends. Conversely, a cohort-component forecast refers to the future population that is expected because of a studied and purposeful selection of the components of change (i.e., births, deaths, and migration) and forecast models are developed to measure the impact of these changes in each specific geographic area.

Five sets of data are required to generate population and enrollment forecasts. These five data sets are:

- a. a base-year population (here, the 2010 Census population for Lake Central School Corporation and its attendance areas);
- b. a set of age-specific fertility rates for the district to be used over the forecast period and its attendance areas;
- c. a set of age-specific survival (mortality) rates for the district and its attendance areas;

- d. a set of age-specific migration rates for the district and its attendance areas; and;
- e. the historical enrollment figures by grade.

The most significant and difficult aspect of producing enrollment forecasts is the generation of the population forecasts in which the school age population (and enrollment) is embedded. In turn, the most challenging aspect of generating the population forecasts is found in deriving the rates of change in fertility, mortality, and migration. From the standpoint of demographic analysis, the Lake Central School Corporation is classified as a "small area" population (as compared to the population of the state of Indiana or to that of the United States). Small area population forecasts are more complicated to calculate because local variations in fertility, mortality, and migration may be more irregular than those at the regional, state or national scale. Especially challenging is the forecast of the migration rates for local areas, because changes in the area's socioeconomic characteristics can quickly change from past and current patterns (Peters and Larkin, 2002.)

The population forecasts for Lake Central School Corporation were calculated using a cohort-component method with the populations divided into male and female groups by five-year age cohorts that range from 0-to-4 years of age to 85 years of age and older (85+). Age- and sex-specific fertility, mortality, and migration models were constructed to specifically reflect the unique demographic characteristics of each of the attendance areas in the Lake Central School Corporation.

The enrollment forecasts were calculated using a modified average survivorship method. Average survivor rates (i.e., the proportion of students who progress from one grade level to the next given the average amount of net migration for that grade level) over the previous five years of year-to-year enrollment data were calculated for grades two through twelve. This procedure is used to identify specific grades where there are large numbers of students changing facilities for non-demographic factors, such as private school transfers or enrollment in special programs.

The survivorship rates were modified or adjusted to reflect the average rate of forecasted in and out migration of 5-to-9, 10-to-14 and 15-to-17



year old cohorts to each of the attendance centers in Lake Central School Corporation for the period 2010 to 2015. These survivorship rates then were adjusted to reflect the forecasted changes in age-specific migration the district should experience over the next five years. These modified survivorship rates were used to project the enrollment of grades 2 through 12 for the period 2015 to 2020. The survivorship rates were adjusted again for the period 2020 to 2025 to reflect the predicted changes in the amount of age-specific migration in the district for the period.

The forecasted enrollments for kindergarten and first grade are derived from the 5-to-9 year old population of the age-sex population forecast at the elementary attendance center district level. This procedure allows the changes in the incoming grade sizes to be factors of forecasted population change and not an extrapolation of previous class sizes. Given the potentially large amount of variation in Kindergarten enrollment due to parental choice, changes in the state's minimum age requirement, and differing district policies on allowing children to start Kindergarten early, first grade enrollment is deemed to be a more accurate and reliable starting point for the forecasts. (McKibben, 1996) The level of the accuracy for both the population and enrollment forecasts at the school district level is estimated to be $\pm 2.0\%$ for the life of the forecasts.

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Appendix A: Enrollment Forecasts

Lake Central School Corp.: Total District Enrollment

	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	725	640	654	583	566	665	655	642	631	619	617	609	597	587	578	584
1	730	692	658	690	593	562	704	680	667	655	643	632	624	612	603	594
2	708	731	683	665	699	602	572	718	693	679	674	662	651	643	631	621
3	724	713	748	678	672	711	604	573	722	697	685	680	668	657	648	636
4	779	729	716	734	687	680	718	610	578	731	710	698	693	681	669	660
Total: K-4	3666	3505	3459	3350	3217	3220	3253	3223	3291	3381	3329	3281	3233	3180	3129	3095
	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
5	791	777	726	723	753	705	690	729	618	587	750	728	716	711	699	686
6	833	790	780	744	750	764	713	698	737	624	597	764	742	730	725	712
7	826	776	791	787	753	762	757	707	691	731	624	597	764	742	730	725
8	801	837	799	798	799	774	769	765	714	698	745	637	608	779	756	744
Total: 5-8	3251	3180	3096	3052	3055	3005	2929	2899	2760	2640	2716	2726	2830	2962	2910	2867
	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
9	820	803	833	791	817	827	789	784	780	728	719	767	656	626	802	779
10	830	826	804	817	802	823	831	793	788	784	735	726	775	663	632	810
11	800	796	817	782	801	774	807	814	777	772	772	724	715	763	653	623
12	750	827	824	836	817	814	789	823	830	793	791	791	742	733	782	669
Total: 9-12	3200	3252	3278	3226	3237	3238	3216	3214	3175	3077	3017	3008	2888	2785	2869	2881
	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Total: K-12	10117	9937	9833	9628	9509	9463	9398	9336	9226	9098	9062	9015	8951	8927	8908	8843

Forecasts Developed November 2015

Green cells (2015-16 and earlier) are historical data

Blue cells (2016-17 and later) are forecasted years

Lake Central School Corp.: District Enrollment Changes

	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Total: K-12	10117	9937	9833	9628	9509	9463	9398	9336	9226	9098	9062	9015	8951	8927	8908	8843
Change		-180	-104	-205	-119	-46	-65	-62	-110	-128	-36	-47	-64	-24	-19	-65
%-Change		-1.8%	-1.0%	-2.1%	-1.2%	-0.5%	-0.7%	-0.7%	-1.2%	-1.4%	-0.4%	-0.5%	-0.7%	-0.3%	-0.2%	-0.7%
	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Total: K-4	3666	3505	3459	3350	3217	3220	3253	3223	3291	3381	3329	3281	3233	3180	3129	3095
Change		-161	-46	-109	-133	3	33	-30	68	90	-52	-48	-48	-53	-51	-34
%-Change		-4.4%	-1.3%	-3.2%	-4.0%	0.1%	1.0%	-0.9%	2.1%	2.7%	-1.5%	-1.4%	-1.5%	-1.6%	-1.6%	-1.1%
	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Total: 5-8	3251	3180	3096	3052	3055	3005	2929	2899	2760	2640	2716	2726	2830	2962	2910	2867
Change		-71	-84	-44	3	-50	-76	-30	-139	-120	76	10	104	132	-52	-43
%-Change		-2.2%	-2.6%	-1.4%	0.1%	-1.6%	-2.5%	-1.0%	-4.8%	-4.3%	2.9%	0.4%	3.8%	4.7%	-1.8%	-1.5%
	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Total: 9-12	3200	3252	3278	3226	3237	3238	3216	3214	3175	3077	3017	3008	2888	2785	2869	2881
Change		52	26	-52	11	1	-22	-2	-39	-98	-60	-9	-120	-103	84	12
%-Change		1.6%	0.8%	-1.6%	0.3%	0.0%	-0.7%	-0.1%	-1.2%	-3.1%	-1.9%	-0.3%	-4.0%	-3.6%	3.0%	0.4%

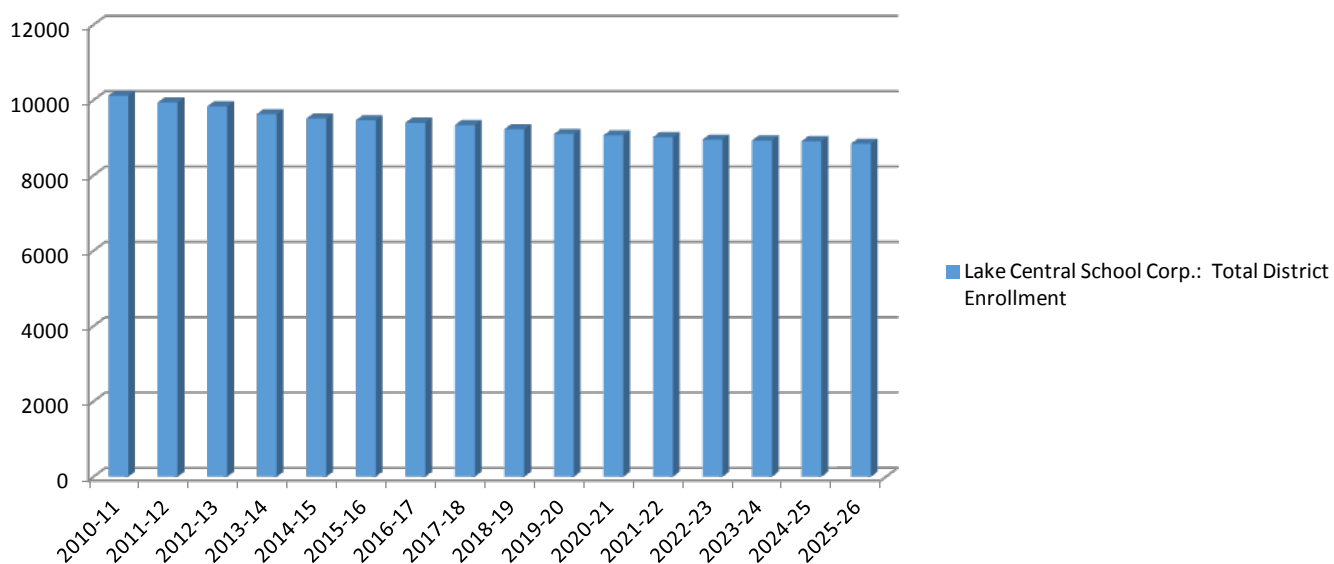
Forecasts Developed November 2015

Green cells (2015-16 and earlier) are historical data

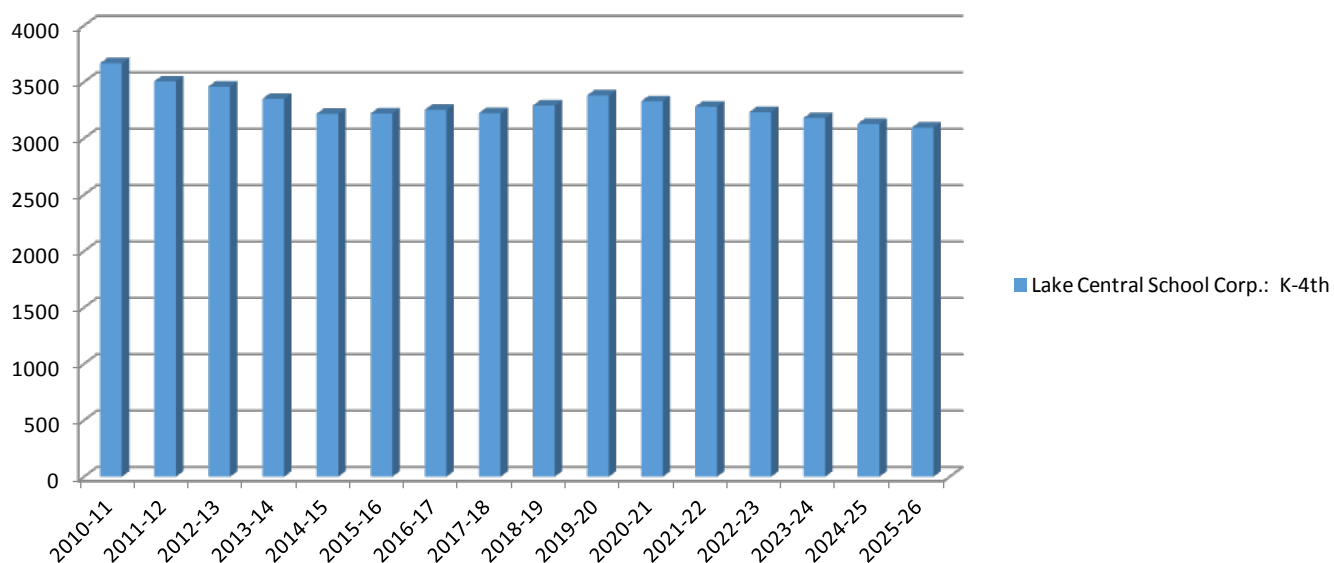
Blue cells (2016-17 and later) are forecasted years



Lake Central School Corp.: Total District Enrollment

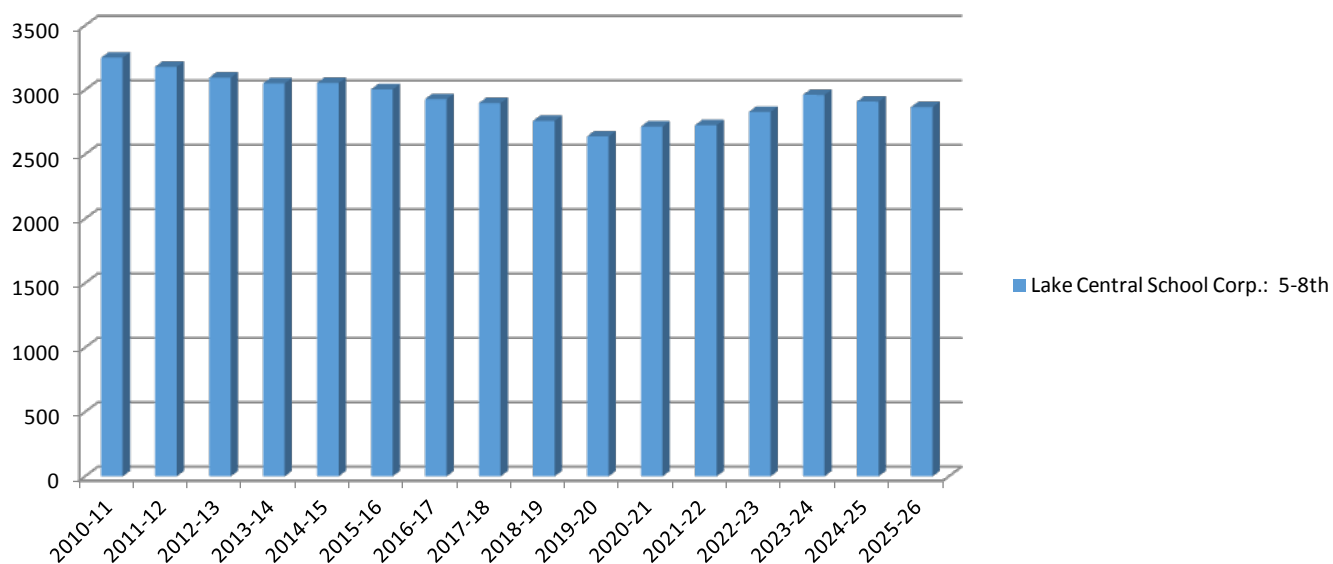


Lake Central School Corp.: K-4th

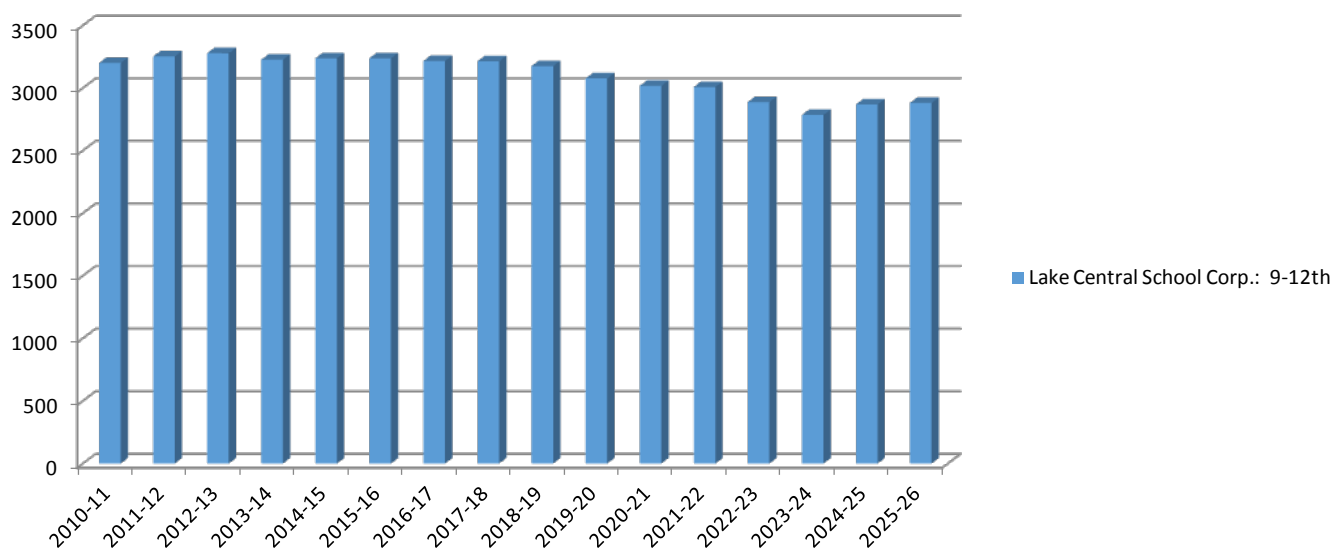




Lake Central School Corp.: 5-8th



Lake Central School Corp.: 9-12th





Bibich Elementary

	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	92	84	96	87	75	95	97	95	92	90	90	89	87	84	83	84
1	130	101	92	90	79	68	97	95	93	90	88	87	86	84	82	81
2	102	130	102	98	91	81	69	99	97	95	93	91	90	89	87	84
3	108	99	136	102	98	94	83	70	101	99	96	94	92	91	90	88
4	114	95	92	133	110	94	95	84	71	102	100	97	95	93	92	91
Total K-4	546	509	518	510	453	432	441	443	454	476	467	458	450	441	434	428

Forecasts Developed November 2015

Green cells (2015-16 and earlier) are historical data

Blue cells (2016-17 and later) are forecasted years

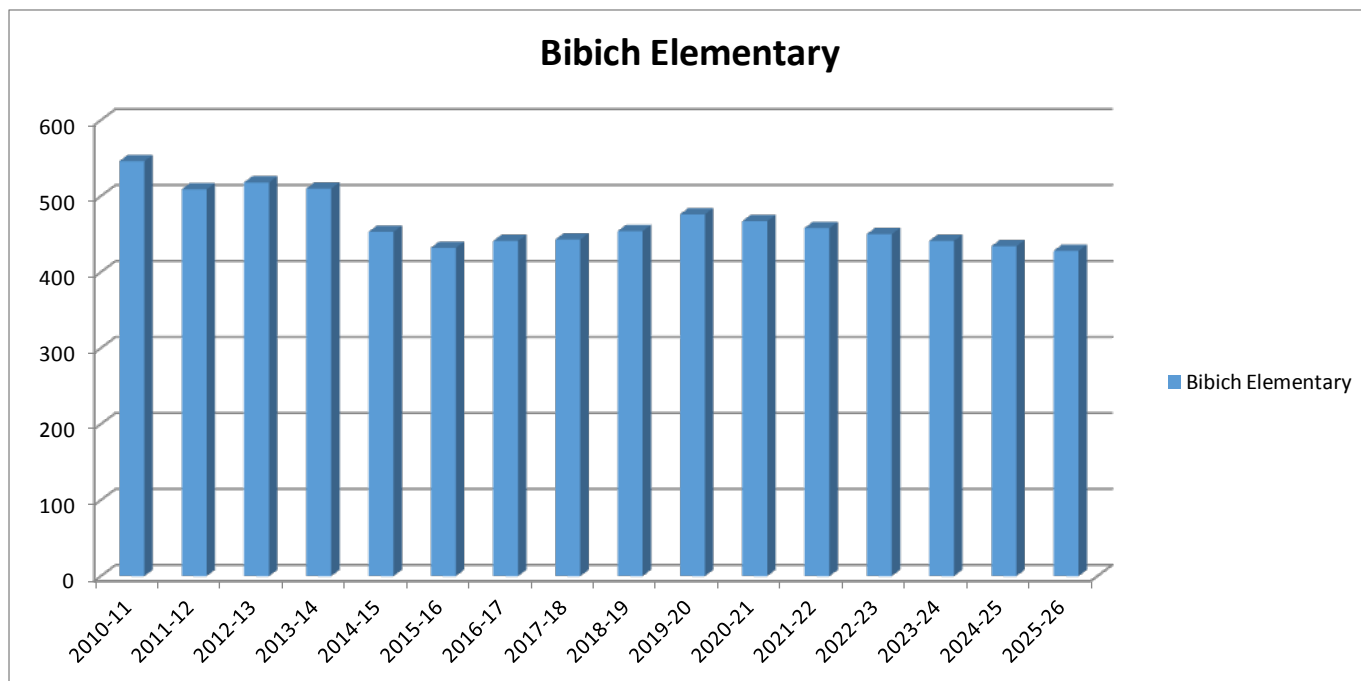
Bibich Elementary: Enrollment Changes

	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Total K-4	546	509	518	510	453	432	441	443	454	476	467	458	450	441	434	428
Change		-37	9	-8	-57	-21	9	2	11	22	-9	-9	-8	-9	-7	-6
% Change		-6.8%	1.8%	-1.5%	-11.2%	-4.6%	2.1%	0.5%	2.5%	4.8%	-1.9%	-1.9%	-1.7%	-2.0%	-1.6%	-1.4%

Forecasts Developed November 2015

Green cells (2015-16 and earlier) are historical data

Blue cells (2016-17 and later) are forecasted years





Homan Elementary

	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	112	97	114	92	109	100	100	99	98	96	95	94	92	91	89	90
1	103	122	104	123	92	106	104	103	102	101	99	97	96	94	93	91
2	123	109	121	107	118	97	108	106	105	104	104	102	100	99	97	96
3	120	133	107	119	108	117	96	107	105	104	103	103	101	99	98	96
4	112	108	128	108	118	101	113	93	104	102	102	101	101	99	97	96
Total K-4	570	569	574	549	545	521	521	508	514	507	503	497	490	482	474	469

Forecasts Developed November 2015

Green cells (2015-16 and earlier) are historical data

Blue cells (2016-17 and later) are forecasted years

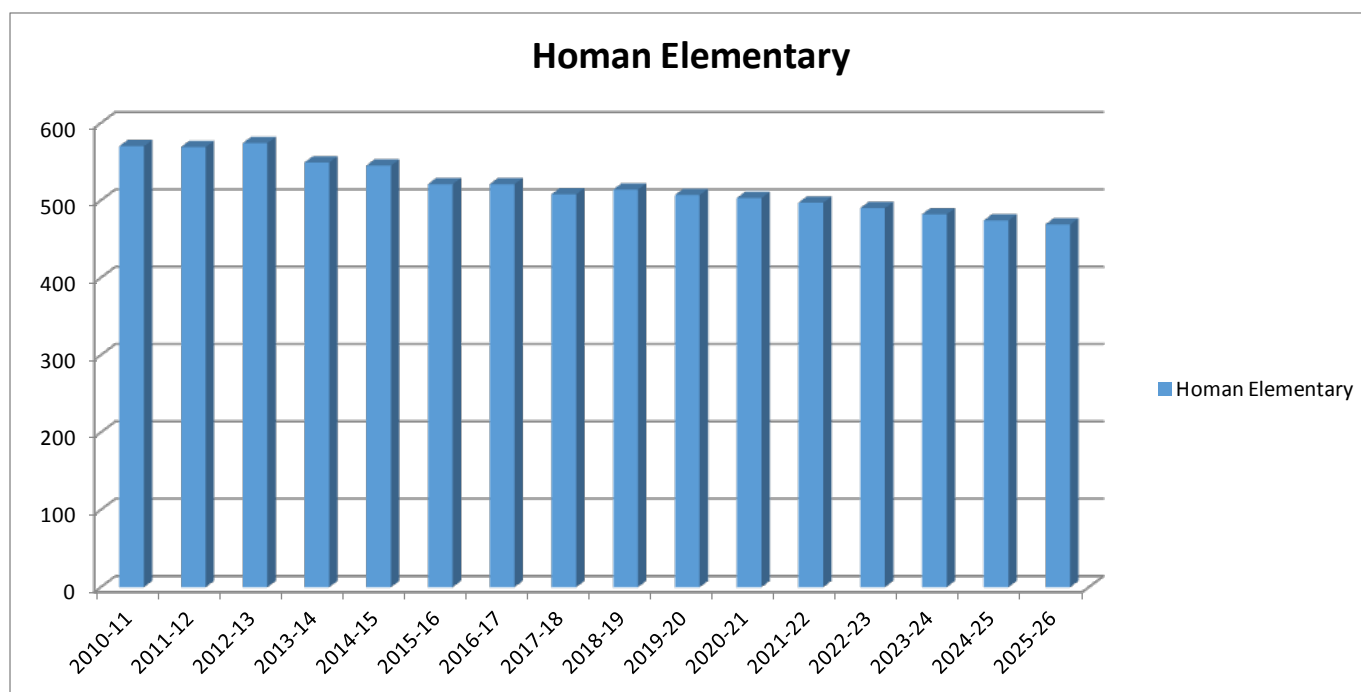
Homan Elementary: Enrollment Changes

	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Total K-4	570	569	574	549	545	521	521	508	514	507	503	497	490	482	474	469
Change		-1	5	-25	-4	-24	0	-13	6	-7	-4	-6	-7	-8	-8	-5
% Change		-0.2%	0.9%	-4.4%	-0.7%	-4.4%	0.0%	-2.5%	1.2%	-1.4%	-0.8%	-1.2%	-1.4%	-1.6%	-1.7%	-1.1%

Forecasts Developed November 2015

Green cells (2015-16 and earlier) are historical data

Blue cells (2016-17 and later) are forecasted years





Kolling Elementary

	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	141	103	119	106	99	144	127	124	121	119	119	118	116	114	113	114
1	146	132	127	127	110	94	149	135	132	129	127	124	123	121	119	118
2	136	149	124	127	135	111	98	155	140	137	135	133	130	129	127	125
3	153	130	164	125	137	144	115	102	161	146	144	142	140	137	135	133
4	124	137	140	155	129	137	148	118	105	166	152	150	148	146	142	140
Total K-4	700	651	674	640	610	630	637	634	659	697	677	667	657	647	636	630

Forecasts Developed November 2015

Green cells (2015-16 and earlier) are historical data

Blue cells (2016-17 and later) are forecasted years

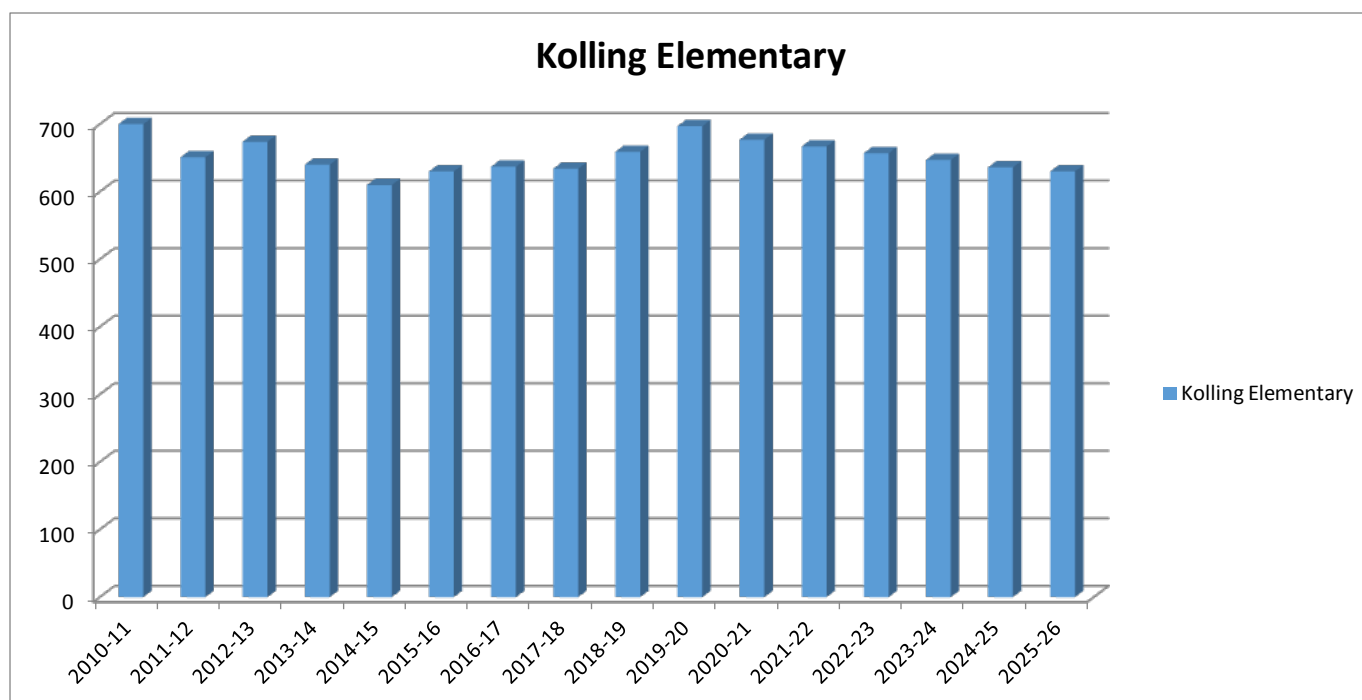
Kolling Elementary: Enrollment Changes

	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Total K-4	700	651	674	640	610	630	637	634	659	697	677	667	657	647	636	630
Change		-49	23	-34	-30	20	7	-3	25	38	-20	-10	-10	-10	-11	-6
% Change		-7.0%	3.5%	-5.0%	-4.7%	3.3%	1.1%	-0.5%	3.9%	5.8%	-2.9%	-1.5%	-1.5%	-1.5%	-1.7%	-0.9%

Forecasts Developed November 2015

Green cells (2015-16 and earlier) are historical data

Blue cells (2016-17 and later) are forecasted years





Peifer Elementary

	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	90	101	83	70	83	86	88	86	86	85	86	85	83	82	80	81
1	110	95	106	93	76	88	96	95	93	92	91	90	89	87	86	84
2	99	103	101	105	98	76	89	97	96	94	94	93	92	91	89	88
3	102	104	111	101	107	100	77	90	98	97	96	96	95	94	93	91
4	130	116	108	110	99	108	101	78	91	99	99	98	98	97	96	95
Total K-4	531	519	509	479	463	458	451	446	464	467	466	462	457	451	444	439

Forecasts Developed November 2015

Green cells (2015-16 and earlier) are historical data

Blue cells (2016-17 and later) are forecasted years

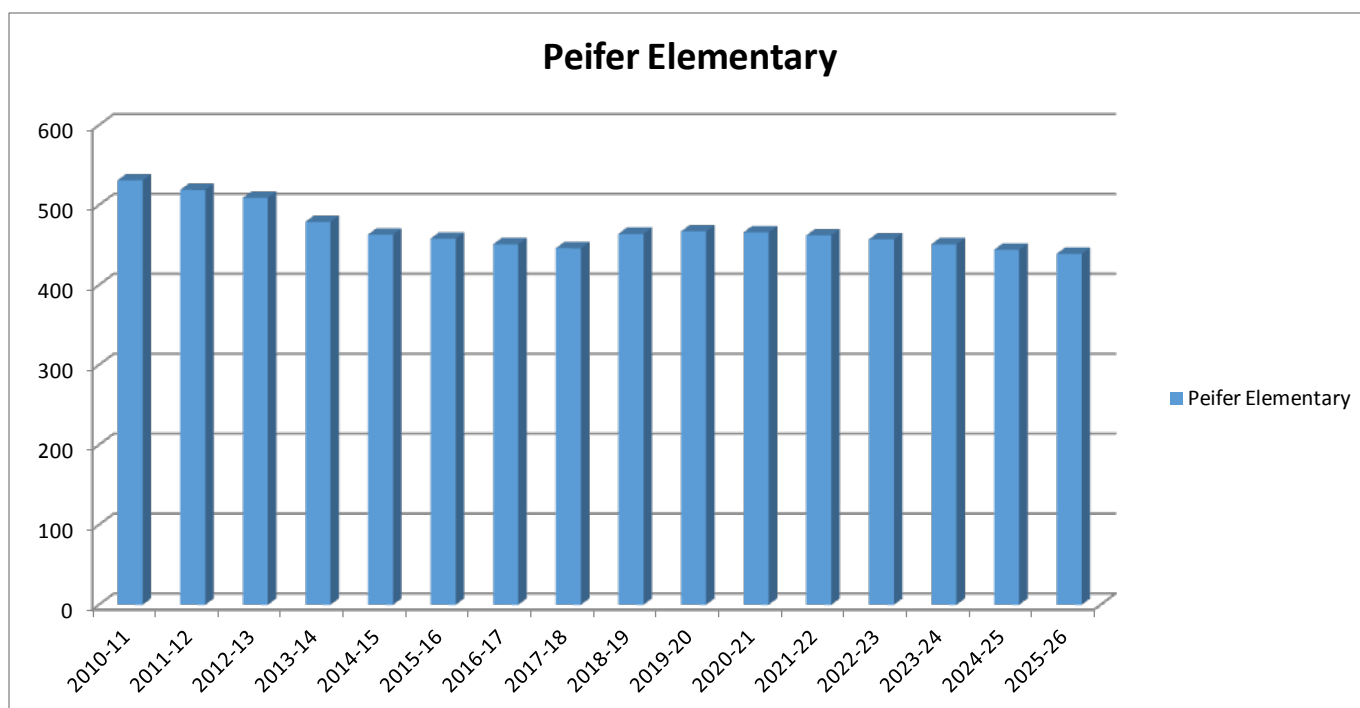
Peifer Elementary: Enrollment Changes

	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Total K-4	531	519	509	479	463	458	451	446	464	467	466	462	457	451	444	439
Change		-12	-10	-30	-16	-5	-7	-5	18	3	-1	-4	-5	-6	-7	-5
% Change		-2.3%	-1.9%	-5.9%	-3.3%	-1.1%	-1.5%	-1.1%	4.0%	0.6%	-0.2%	-0.9%	-1.1%	-1.3%	-1.6%	-1.1%

Forecasts Developed November 2015

Green cells (2015-16 and earlier) are historical data

Blue cells (2016-17 and later) are forecasted years





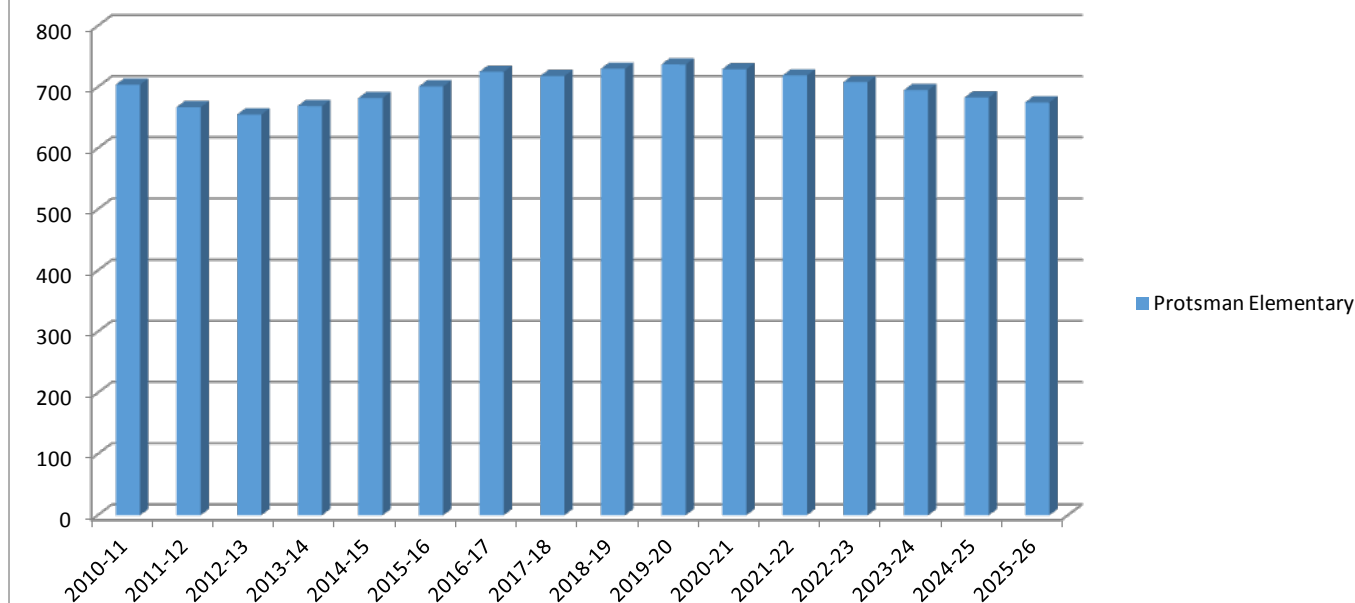
Protsman Elementary

	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	142	117	139	139	135	144	146	144	142	139	137	134	132	130	128	129
1	126	137	122	149	139	137	153	150	148	146	143	140	137	135	133	131
2	134	124	136	126	150	136	138	155	152	149	149	146	143	140	138	136
3	133	130	129	131	126	153	133	135	152	149	148	148	145	142	139	137
4	169	159	129	124	132	131	155	134	136	154	152	151	151	148	145	142
Total K-4	704	667	655	669	682	701	725	718	730	737	729	719	708	695	683	675
Forecasts Developed November 2015																
Green cells (2015-16 and earlier) are historical data																
Blue cells (2016-17 and later) are forecasted years																

Protsman Elementary: Enrollment Changes

	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Total K-4	704	667	655	669	682	701	725	718	730	737	729	719	708	695	683	675
Change		-37	-12	14	13	19	24	-7	12	7	-8	-10	-11	-13	-12	-8
% Change		-5.3%	-1.8%	2.1%	1.9%	2.8%	3.4%	-1.0%	1.7%	1.0%	-1.1%	-1.4%	-1.5%	-1.8%	-1.7%	-1.2%
Forecasts Developed November 2015																
Green cells (2015-16 and earlier) are historical data																
Blue cells (2016-17 and later) are forecasted years																

Protsman Elementary





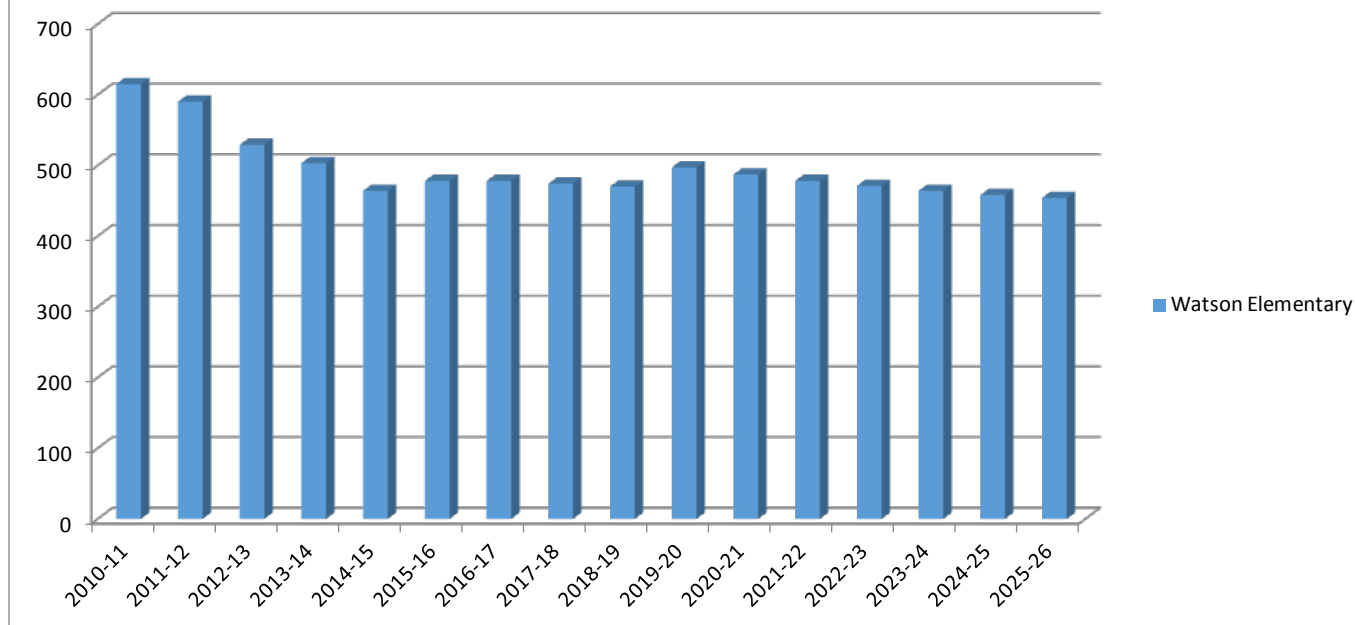
Watson Elementary

	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
K	148	138	103	89	65	96	97	94	92	90	90	89	87	86	85	86
1	115	105	107	108	97	69	105	102	99	97	95	94	93	91	90	89
2	114	116	99	102	107	101	70	106	103	100	99	97	96	95	93	92
3	108	117	101	100	96	103	100	69	105	102	98	97	95	94	93	91
4	130	114	119	104	99	109	106	103	71	108	105	101	100	98	97	96
Total K-4	615	590	529	503	464	478	478	474	470	497	487	478	471	464	458	454
Forecasts Developed November 2015																
Green cells (2015-16 and earlier) are historical data																
Blue cells (2016-17 and later) are forecasted years																

Watson Elementary: Enrollment Changes

	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Total K-4	615	590	529	503	464	478	478	474	470	497	487	478	471	464	458	454
Change		-25	-61	-26	-39	14	0	-4	-4	27	-10	-9	-7	-7	-6	-4
% Change		-4.1%	-10.3%	-4.9%	-7.8%	3.0%	0.0%	-0.8%	-0.8%	5.7%	-2.0%	-1.8%	-1.5%	-1.5%	-1.3%	-0.9%
Forecasts Developed November 2015																
Green cells (2015-16 and earlier) are historical data																
Blue cells (2016-17 and later) are forecasted years																

Watson Elementary





Clark Middle School

	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
5	282	253	258	262	295	241	257	261	206	206	281	266	263	261	258	252
6	275	274	263	262	283	301	246	262	266	210	212	289	274	271	269	266
7	287	273	278	264	272	277	295	241	257	261	208	210	286	271	268	266
8	282	274	286	289	281	281	280	298	243	260	266	212	214	292	276	273
Total: 5-8	1126	1074	1085	1077	1131	1100	1078	1062	972	937	967	977	1037	1095	1071	1057

Forecasts Developed November 2015

Green cells (2015-16 and earlier) are historical data

Blue cells (2016-17 and later) are forecasted years

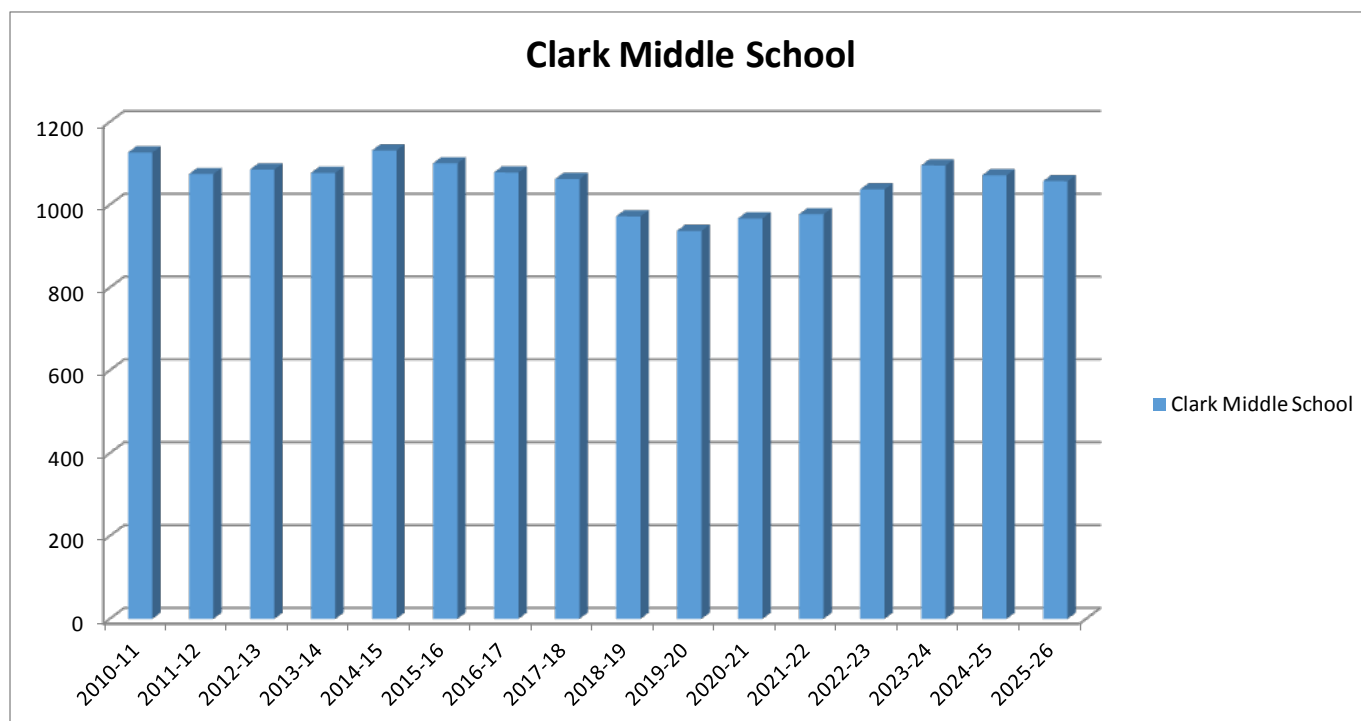
Clark Middle School: Enrollment Changes

	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Total: 5-8	1126	1074	1085	1077	1131	1100	1078	1062	972	937	967	977	1037	1095	1071	1057
Change		-52	11	-8	54	-31	-22	-16	-90	-35	30	10	60	58	-24	-14
% Change		-4.6%	1.0%	-0.7%	5.0%	-2.7%	-2.0%	-1.5%	-8.5%	-3.6%	3.2%	1.0%	6.1%	5.6%	-2.2%	-1.3%

Forecasts Developed November 2015

Green cells (2015-16 and earlier) are historical data

Blue cells (2016-17 and later) are forecasted years





Grimmer Middle School

	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
5	235	239	222	237	207	216	206	215	192	172	208	205	200	199	195	192
6	251	229	238	228	236	212	214	204	213	190	170	206	203	198	197	193
7	265	230	234	239	225	249	208	210	200	209	188	168	204	201	196	195
8	233	243	242	227	238	244	251	210	212	202	213	192	171	208	205	200
Total: 5-8	984	941	936	931	906	921	879	839	817	773	779	771	778	806	793	780

Forecasts Developed November 2015

Green cells (2015-16 and earlier) are historical data

Blue cells (2016-17 and later) are forecasted years

Grimmer Middle School: Enrollment Changes

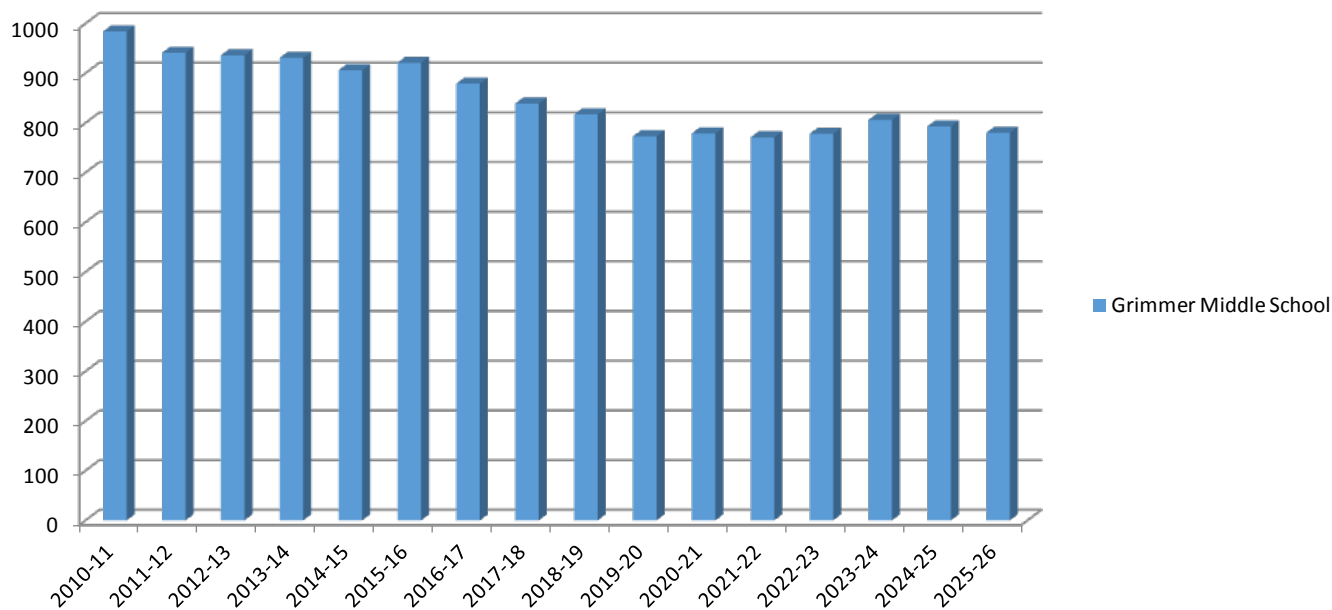
	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Total: 5-8	984	941	936	931	906	921	879	839	817	773	779	771	778	806	793	780
Change		-43	-5	-5	-25	15	-42	-40	-22	-44	6	-8	7	28	-13	-13
% Change		-4.4%	-0.5%	-0.5%	-2.7%	1.7%	-4.6%	-4.6%	-2.6%	-5.4%	0.8%	-1.0%	0.9%	3.6%	-1.6%	-1.6%

Forecasts Developed November 2015

Green cells (2015-16 and earlier) are historical data

Blue cells (2016-17 and later) are forecasted years

Grimmer Middle School





Kahler Middle School

	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
5	274	285	246	224	251	248	227	253	220	209	261	257	253	251	246	242
6	307	287	279	254	231	251	253	232	258	224	215	269	265	261	259	253
7	274	273	279	284	256	236	254	256	234	261	228	219	274	270	266	264
8	286	320	271	282	280	249	238	257	259	236	266	233	223	279	275	271
Total: 5-8	1141	1165	1075	1044	1018	984	972	998	971	930	970	978	1015	1061	1046	1030

Forecasts Developed November 2015

Green cells (2015-16 and earlier) are historical data

Blue cells (2016-17 and later) are forecasted years

Kahler Middle School: Enrollment Changes

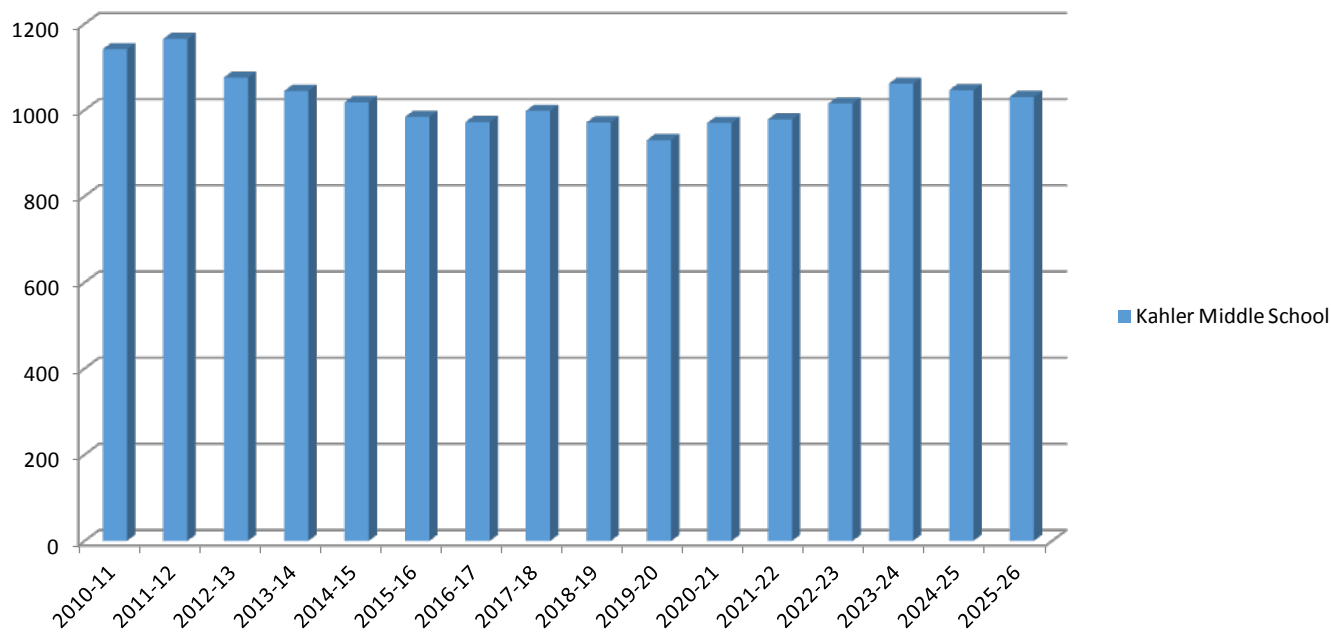
	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Total: 5-8	1141	1165	1075	1044	1018	984	972	998	971	930	970	978	1015	1061	1046	1030
Change		24	-90	-31	-26	-34	-12	26	-27	-41	40	8	37	46	-15	-16
% Change		2.1%	-7.7%	-2.9%	-2.5%	-3.3%	-1.2%	2.7%	-2.7%	-4.2%	4.3%	0.8%	3.8%	4.5%	-1.4%	-1.5%

Forecasts Developed November 2015

Green cells (2015-16 and earlier) are historical data

Blue cells (2016-17 and later) are forecasted years

Kahler Middle School





Lake Central High School

	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
9	820	803	833	791	817	827	789	784	780	728	719	767	656	626	802	779
10	830	826	804	817	802	823	831	793	788	784	735	726	775	663	632	810
11	800	796	817	782	801	774	807	814	777	772	772	724	715	763	653	623
12	750	827	824	836	817	814	789	823	830	793	791	791	742	733	782	669
Total: 9-12	3200	3252	3278	3226	3237	3238	3216	3214	3175	3077	3017	3008	2888	2785	2869	2881

Forecasts Developed November 2015

Green cells (2015-16 and earlier) are historical data

Blue cells (2016-17 and later) are forecasted years

Lake Central High School: Enrollment Changes

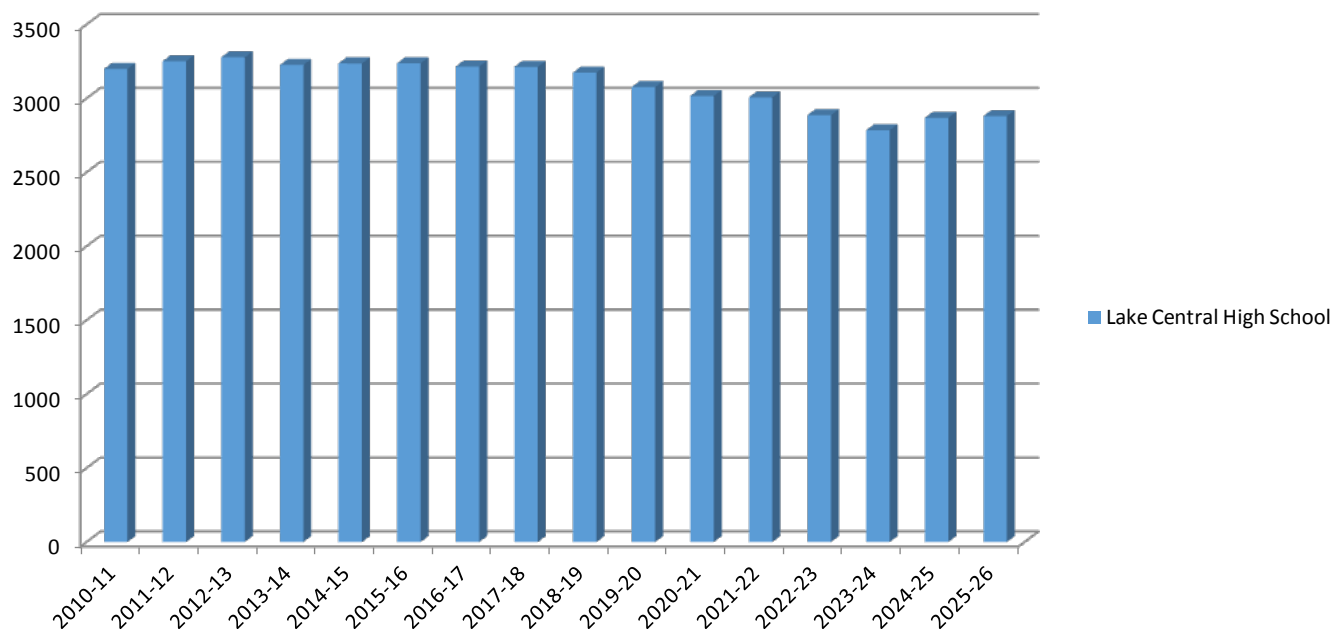
	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26
Total: 9-12	3200	3252	3278	3226	3237	3238	3216	3214	3175	3077	3017	3008	2888	2785	2869	2881
Change		52	26	-52	11	1	-22	-2	-39	-98	-60	-9	-120	-103	84	12
% Change		1.6%	0.8%	-1.6%	0.3%	0.0%	-0.7%	-0.1%	-1.2%	-3.1%	-1.9%	-0.3%	-4.0%	-3.6%	3.0%	0.4%

Forecasts Developed November 2015

Green cells (2015-16 and earlier) are historical data

Blue cells (2016-17 and later) are forecasted years

Lake Central High School





Appendix B: Population Forecasts

Lake Central Schools

November 2015

Males	2010	2015	2020	2025
0-4	1,837	1,820	1,730	1,620
5-9	2,126	1,950	1,920	1,840
10-14	2,377	2,160	1,990	1,970
15-19	2,611	2,460	2,230	2,060
20-24	1,944	2,090	1,900	1,710
25-29	1,800	1,890	2,020	1,820
30-34	1,772	1,950	2,030	2,160
35-39	1,965	1,970	2,160	2,230
40-44	2,398	2,080	2,080	2,270
45-49	2,628	2,420	2,110	2,110
50-54	2,694	2,580	2,380	2,070
55-59	2,524	2,620	2,510	2,310
60-64	2,034	2,410	2,490	2,400
65-69	1,407	1,890	2,240	2,310
70-74	931	1,240	1,680	1,990
75-79	681	780	1,050	1,420
80-84	510	510	590	800
85+	342	450	510	580
Total	32,581	33,270	33,620	33,670

Females	2010	2015	2020	2025
0-4	1,706	1,750	1,680	1,570
5-9	2,113	1,830	1,870	1,780
10-14	2,337	2,160	1,860	1,910
15-19	2,312	2,420	2,220	1,940
20-24	1,868	1,790	1,860	1,690
25-29	1,750	1,820	1,740	1,820
30-34	1,879	1,900	1,970	1,890
35-39	2,171	2,080	2,140	2,180
40-44	2,441	2,320	2,220	2,270
45-49	2,818	2,470	2,330	2,260
50-54	2,890	2,790	2,450	2,320
55-59	2,551	2,840	2,750	2,420
60-64	2,225	2,470	2,760	2,680
65-69	1,560	2,120	2,350	2,630
70-74	1,168	1,450	1,990	2,220
75-79	884	1,070	1,330	1,810
80-84	757	750	910	1,130
85+	730	920	1,050	1,230
Total	34,160	34,950	35,480	35,750

Total	2010	2015	2020	2025
0-4	3,543	3,570	3,410	3,190
5-9	4,239	3,780	3,790	3,620
10-14	4,714	4,320	3,850	3,880
15-19	4,923	4,880	4,450	4,000
20-24	3,812	3,880	3,760	3,400
25-29	3,550	3,710	3,760	3,640
30-34	3,651	3,850	4,000	4,050
35-39	4,136	4,050	4,300	4,410
40-44	4,839	4,400	4,300	4,540
45-49	5,446	4,890	4,440	4,370
50-54	5,584	5,370	4,830	4,390
55-59	5,075	5,460	5,260	4,730
60-64	4,259	4,880	5,250	5,080
65-69	2,967	4,010	4,590	4,940
70-74	2,099	2,690	3,670	4,210
75-79	1,565	1,850	2,380	3,230
80-84	1,267	1,260	1,500	1,930
85+	1,072	1,370	1,560	1,810
Total	66,741	68,220	69,100	69,420
Median Age	40.8	42.4	43.8	45.0

	2010 to 2015	2015 to 2020	2020 to 2025
Births	3,390	3,210	3,020
Deaths	2,460	2,820	3,240
Natural Increase	930	390	-220
Net Migration	520	540	510
Change	1,450	930	290

Differences between period Totals may not equal
Change due to rounding.

Bibich Elementary

November 2015

Males	2010	2015	2020	2025
0-4	219	250	230	210
5-9	332	250	270	260
10-14	380	340	260	280
15-19	385	360	320	240
20-24	208	220	210	190
25-29	215	220	230	210
30-34	183	260	260	260
35-39	275	250	320	310
40-44	363	330	290	360
45-49	398	370	330	300
50-54	373	390	360	330
55-59	336	360	380	350
60-64	263	320	350	360
65-69	191	250	300	320
70-74	121	170	220	270
75-79	75	100	150	190
80-84	56	60	80	110
85+	39	50	60	70
Total	4,412	4,550	4,620	4,620

Females	2010	2015	2020	2025
0-4	227	240	230	210
5-9	293	260	270	250
10-14	371	300	270	270
15-19	327	350	280	250
20-24	191	160	200	150
25-29	173	200	170	210
30-34	228	220	240	210
35-39	331	290	280	290
40-44	366	390	340	320
45-49	417	370	390	350
50-54	380	410	370	390
55-59	333	370	410	370
60-64	274	320	360	400
65-69	208	260	310	350
70-74	138	200	250	300
75-79	86	130	180	230
80-84	86	70	110	150
85+	88	110	110	140
Total	4,516	4,650	4,770	4,840

Total	2010	2015	2020	2025
0-4	445	490	460	420
5-9	625	510	540	510
10-14	751	640	530	550
15-19	712	710	600	490
20-24	399	380	410	340
25-29	388	420	400	420
30-34	411	480	500	470
35-39	606	540	600	600
40-44	728	720	630	680
45-49	815	740	720	650
50-54	753	800	730	720
55-59	669	730	790	720
60-64	537	640	710	760
65-69	400	510	610	670
70-74	260	370	470	570
75-79	161	230	330	420
80-84	142	130	190	260
85+	127	160	170	210
Total	8,928	9,200	9,390	9,460
Median Age	40.9	43.0	45.2	46.9

	2010 to 2015	2015 to 2020	2020 to 2025
Births	460	440	400
Deaths	300	350	420
Natural Increase	160	90	-20
Net Migration	110	100	90
Change	270	190	70

Differences between period Totals may not equal
Change due to rounding.

LAKE CENTRAL SCHOOL CORPORATION, IN
DEMOGRAPHIC STUDY 2015



Kolling Elementary

November 2015

Males	2010	2015	2020	2025
0-4	359	340	320	300
5-9	456	420	400	380
10-14	503	470	430	410
15-19	528	480	440	410
20-24	285	300	230	210
25-29	227	310	320	250
30-34	266	290	370	380
35-39	372	320	350	430
40-44	465	400	360	380
45-49	534	500	440	390
50-54	521	520	490	430
55-59	488	510	510	470
60-64	388	470	480	490
65-69	265	360	440	450
70-74	157	230	320	380
75-79	124	130	190	270
80-84	51	90	100	150
85+	43	50	80	90
Total	6,030	6,190	6,270	6,270

Females	2010	2015	2020	2025
0-4	322	330	310	290
5-9	457	380	390	370
10-14	518	470	390	400
15-19	457	490	440	370
20-24	236	230	250	210
25-29	207	260	250	270
30-34	319	270	320	310
35-39	393	380	330	380
40-44	480	430	420	370
45-49	579	510	460	450
50-54	554	570	510	460
55-59	474	540	560	500
60-64	374	460	530	550
65-69	270	360	440	510
70-74	166	240	330	410
75-79	106	150	220	300
80-84	75	90	130	190
85+	90	100	120	160
Total	6,075	6,260	6,400	6,500

Total	2010	2015	2020	2025
0-4	681	670	630	590
5-9	912	800	790	750
10-14	1,020	940	820	810
15-19	985	970	880	780
20-24	520	530	480	420
25-29	434	570	570	520
30-34	585	560	690	690
35-39	765	700	680	810
40-44	946	830	780	750
45-49	1,112	1,010	900	840
50-54	1,075	1,090	1,000	890
55-59	961	1,050	1,070	970
60-64	762	930	1,010	1,040
65-69	534	720	880	960
70-74	323	470	650	790
75-79	231	280	410	570
80-84	126	180	230	340
85+	132	150	200	250
Total	12,105	12,450	12,670	12,770
Median Age	40.8	42.9	45.1	46.6

	2010 to 2015	2015 to 2020	2020 to 2025
Births	590	550	520
Deaths	370	450	550
Natural Increase	220	100	-30
Net Migration	120	130	120
Change	340	230	90

Differences between period Totals may not equal
Change due to rounding.

Homan Elementary

November 2015

Males	2010	2015	2020	2025
0-4	329	300	290	270
5-9	343	350	310	300
10-14	378	340	340	310
15-19	342	340	310	310
20-24	328	310	320	280
25-29	314	370	350	350
30-34	329	330	380	360
35-39	336	340	340	390
40-44	422	330	330	340
45-49	393	420	330	330
50-54	391	390	410	320
55-59	356	380	380	400
60-64	232	340	360	360
65-69	205	210	310	330
70-74	143	180	180	280
75-79	105	120	150	160
80-84	71	80	90	120
85+	41	60	70	90
Total	5,059	5,190	5,250	5,300

Females	2010	2015	2020	2025
0-4	274	290	280	260
5-9	362	290	300	290
10-14	381	360	290	300
15-19	285	350	330	260
20-24	286	260	320	300
25-29	333	330	300	360
30-34	355	350	350	310
35-39	372	360	370	350
40-44	438	370	360	370
45-49	451	440	370	360
50-54	403	450	430	370
55-59	376	400	440	420
60-64	307	370	390	430
65-69	246	290	340	360
70-74	183	230	270	320
75-79	132	170	210	240
80-84	100	110	140	180
85+	100	120	150	180
Total	5,383	5,540	5,640	5,660

Total	2010	2015	2020	2025
0-4	604	590	570	530
5-9	705	640	610	590
10-14	760	700	630	610
15-19	627	690	640	570
20-24	614	570	640	580
25-29	648	700	650	710
30-34	684	680	730	670
35-39	709	700	710	740
40-44	860	700	690	710
45-49	844	860	700	690
50-54	794	840	840	690
55-59	732	780	820	820
60-64	539	710	750	790
65-69	451	500	650	690
70-74	325	410	450	600
75-79	237	290	360	400
80-84	170	190	230	300
85+	141	180	220	270
Total	10,442	10,730	10,890	10,960
Median Age	39.1	40.7	41.9	43.4

	2010 to 2015	2015 to 2020	2020 to 2025
Births	530	510	480
Deaths	350	410	470
Natural Increase	180	100	10
Net Migration	90	80	70
Change	270	180	80

Differences between period Totals may not equal
Change due to rounding.

LAKE CENTRAL SCHOOL CORPORATION, IN
DEMOGRAPHIC STUDY 2015



Peifer Elementary

November 2015

Males	2010	2015	2020	2025
0-4	290	280	270	250
5-9	298	280	270	260
10-14	327	300	280	280
15-19	502	530	500	480
20-24	463	530	550	530
25-29	301	290	350	370
30-34	239	270	260	320
35-39	282	250	280	270
40-44	327	290	250	290
45-49	347	320	280	250
50-54	368	340	320	280
55-59	348	360	330	310
60-64	269	330	340	320
65-69	143	250	310	320
70-74	94	120	220	270
75-79	72	80	110	180
80-84	53	50	60	80
85+	25	40	50	60
Total	4,747	4,910	5,030	5,120

Females	2010	2015	2020	2025
0-4	257	270	260	240
5-9	282	250	260	250
10-14	330	290	250	270
15-19	512	530	490	450
20-24	552	540	550	510
25-29	287	380	360	380
30-34	284	260	350	340
35-39	287	290	270	360
40-44	327	300	300	280
45-49	367	330	290	300
50-54	406	360	320	290
55-59	319	400	360	320
60-64	266	310	390	350
65-69	152	250	290	370
70-74	123	140	230	270
75-79	104	110	130	210
80-84	66	90	100	110
85+	46	70	100	120
Total	4,966	5,170	5,300	5,420

Total	2010	2015	2020	2025
0-4	547	550	530	490
5-9	580	530	530	510
10-14	656	590	530	550
15-19	1,014	1,060	990	930
20-24	1,015	1,070	1,100	1,040
25-29	588	670	710	750
30-34	524	530	610	660
35-39	568	540	550	630
40-44	655	590	550	570
45-49	714	650	570	550
50-54	774	700	640	570
55-59	667	760	690	630
60-64	536	640	730	670
65-69	295	500	600	690
70-74	216	260	450	540
75-79	175	190	240	390
80-84	119	140	160	190
85+	71	110	150	180
Total	9,712	10,080	10,330	10,540
Median Age	34.4	35.4	36.5	37.7

	2010 to 2015	2015 to 2020	2020 to 2025
Births	570	540	510
Deaths	260	320	370
Natural Increase	310	220	140
Net Migration	50	50	50
Change	360	270	190

Differences between period Totals may not equal
Change due to rounding.

Protsman Elementary

November 2015

Males	2010	2015	2020	2025
0-4	395	400	380	360
5-9	405	400	410	390
10-14	451	410	420	420
15-19	477	430	390	390
20-24	352	400	330	300
25-29	418	380	430	360
30-34	464	450	410	460
35-39	407	490	480	440
40-44	473	430	520	500
45-49	576	470	430	510
50-54	618	570	460	420
55-59	591	600	550	450
60-64	574	570	570	530
65-69	386	540	530	540
70-74	288	350	490	480
75-79	197	240	290	410
80-84	200	150	180	220
85+	144	180	170	190
Total	7,415	7,460	7,440	7,370

Females	2010	2015	2020	2025
0-4	390	380	370	350
5-9	408	400	400	380
10-14	421	420	410	410
15-19	420	400	390	390
20-24	318	340	300	300
25-29	461	350	380	340
30-34	429	490	380	410
35-39	450	460	530	420
40-44	503	480	490	560
45-49	600	500	480	490
50-54	698	600	500	470
55-59	672	690	590	490
60-64	667	650	670	570
65-69	465	640	630	640
70-74	361	440	610	600
75-79	319	330	400	560
80-84	321	270	280	340
85+	322	400	420	440
Total	8,224	8,240	8,230	8,160

Total	2010	2015	2020	2025
0-4	785	780	750	710
5-9	813	800	810	770
10-14	872	830	830	830
15-19	897	830	780	780
20-24	671	740	630	600
25-29	879	730	810	700
30-34	893	940	790	870
35-39	857	950	1,010	860
40-44	975	910	1,010	1,060
45-49	1,176	970	910	1,000
50-54	1,316	1,170	960	890
55-59	1,263	1,290	1,140	940
60-64	1,240	1,220	1,240	1,100
65-69	851	1,180	1,160	1,180
70-74	649	790	1,100	1,080
75-79	516	570	690	970
80-84	521	420	460	560
85+	466	580	590	630
Total	15,639	15,700	15,670	15,530
Median Age	45.8	46.8	47.3	47.9

	2010 to 2015	2015 to 2020	2020 to 2025
Births	770	730	690
Deaths	820	870	940
Natural Increase	-50	-140	-250
Net Migration	100	120	110
Change	50	-20	-140

Differences between period Totals may not equal
Change due to rounding.



Watson Elementary

November 2015

Males	2010	2015	2020	2025
0-4	245	250	240	230
5-9	292	250	260	250
10-14	339	300	260	270
15-19	378	320	270	230
20-24	307	330	260	200
25-29	325	320	340	280
30-34	291	350	350	380
35-39	294	320	390	390
40-44	348	300	330	400
45-49	381	340	300	330
50-54	423	370	340	290
55-59	405	410	360	330
60-64	308	380	390	340
65-69	217	280	350	350
70-74	128	190	250	310
75-79	108	110	160	210
80-84	80	80	80	120
85+	51	70	80	80
Total	4,918	4,970	5,010	4,990

Females	2010	2015	2020	2025
0-4	236	240	230	220
5-9	312	250	250	240
10-14	317	320	250	260
15-19	311	300	290	220
20-24	286	260	240	220
25-29	289	300	280	260
30-34	264	310	330	310
35-39	337	300	360	380
40-44	327	350	310	370
45-49	405	320	340	310
50-54	450	400	320	340
55-59	377	440	390	320
60-64	338	360	420	380
65-69	219	320	340	400
70-74	198	200	300	320
75-79	137	180	190	270
80-84	109	120	150	160
85+	84	120	150	190
Total	4,996	5,090	5,140	5,170

Total	2010	2015	2020	2025
0-4	482	490	470	450
5-9	604	500	510	490
10-14	655	620	510	530
15-19	689	620	560	450
20-24	593	590	500	420
25-29	614	620	620	540
30-34	555	660	680	690
35-39	631	620	750	770
40-44	675	650	640	770
45-49	785	660	640	640
50-54	872	770	660	630
55-59	782	850	750	650
60-64	645	740	810	720
65-69	436	600	690	750
70-74	326	390	550	630
75-79	245	290	350	480
80-84	189	200	230	280
85+	135	190	230	270
Total	9,914	10,060	10,150	10,160
Median Age	41.0	42.4	43.7	44.8

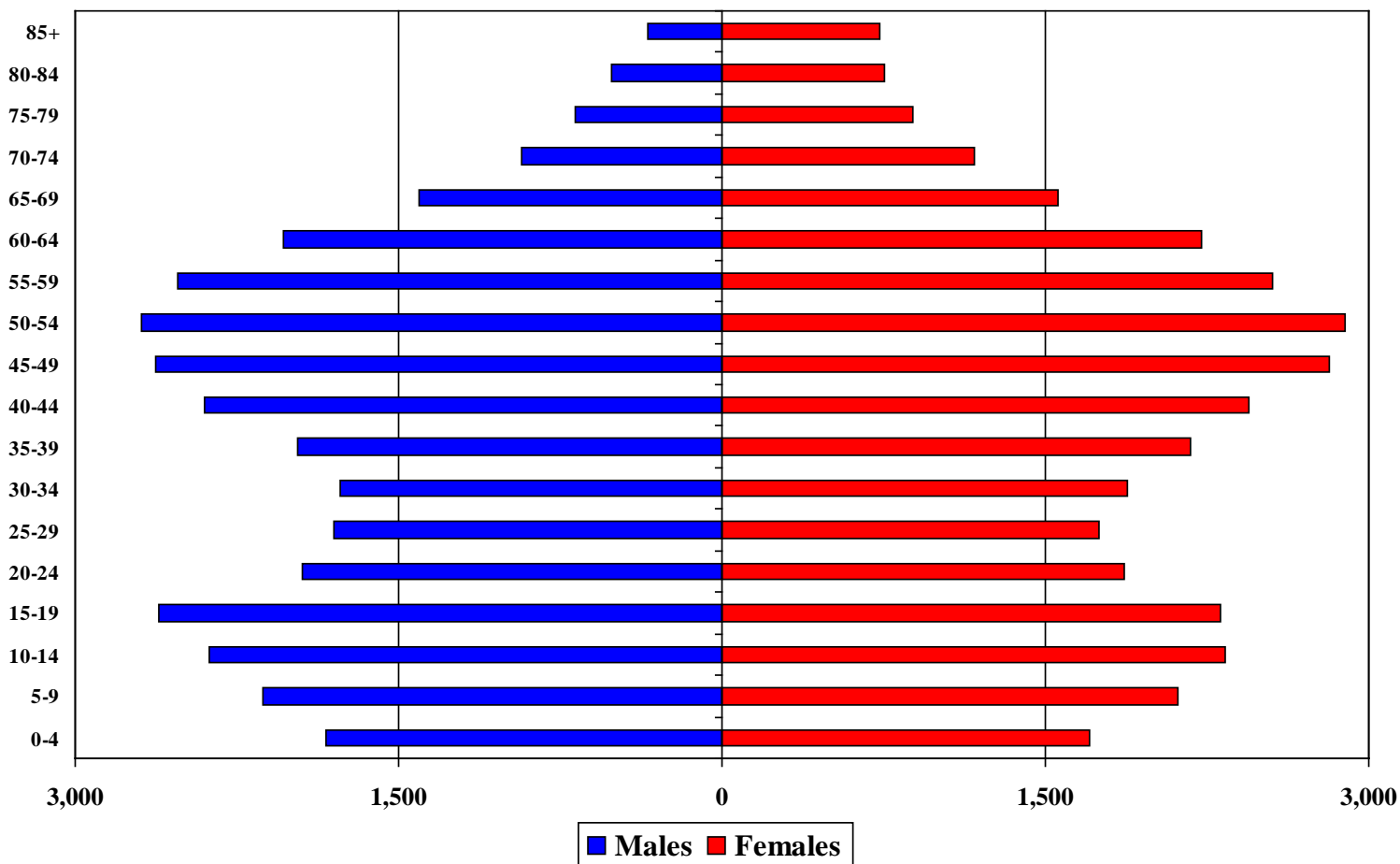
	2010 to 2015	2015 to 2020	2020 to 2025
Births	470	440	420
Deaths	360	420	490
Natural Increase	110	20	-70
Net Migration	50	60	70
Change	160	80	0

Differences between period Totals may not equal
Change due to rounding.



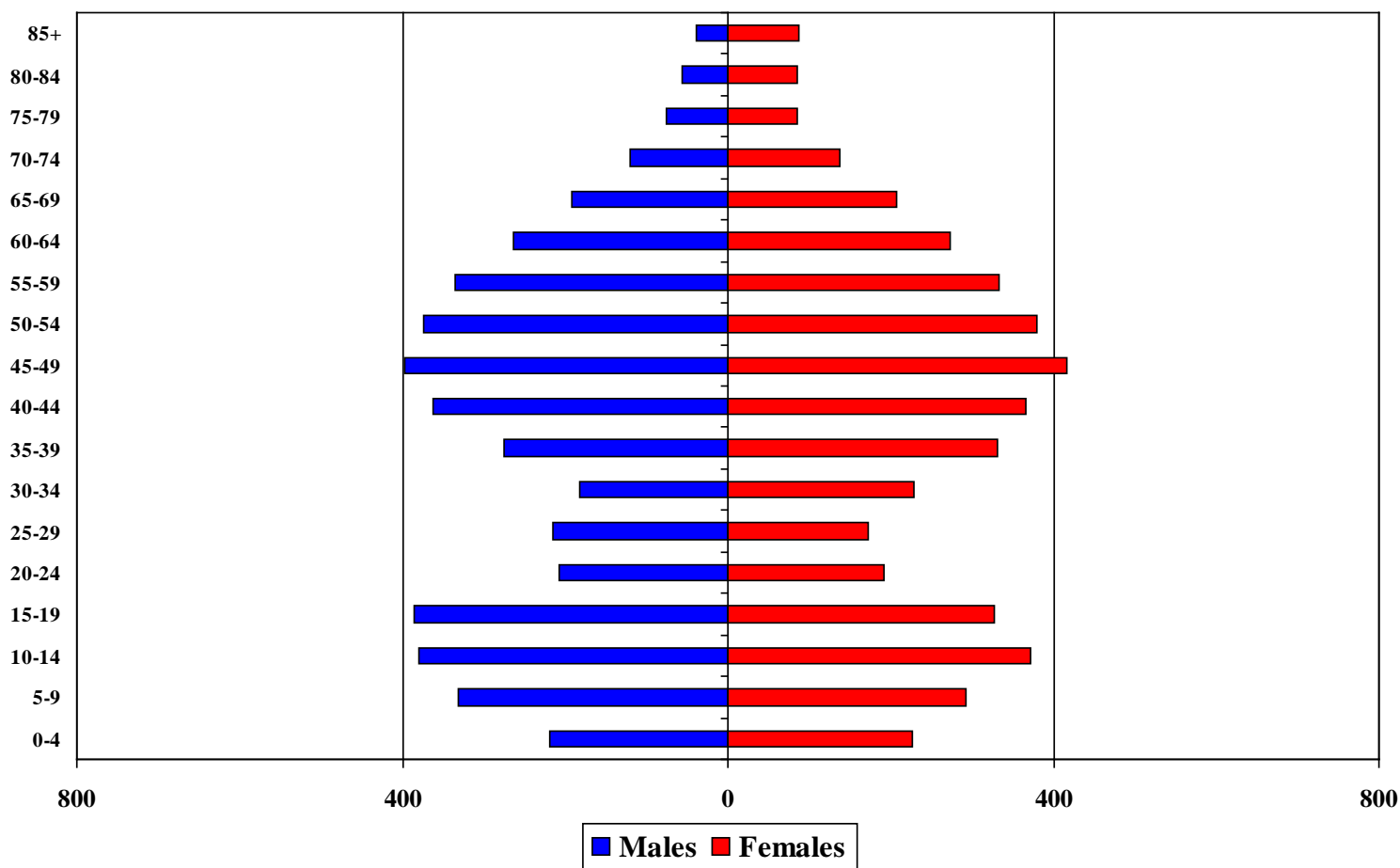
Appendix C: Population Pyramids

Lake Central Total Population - 2010 Census



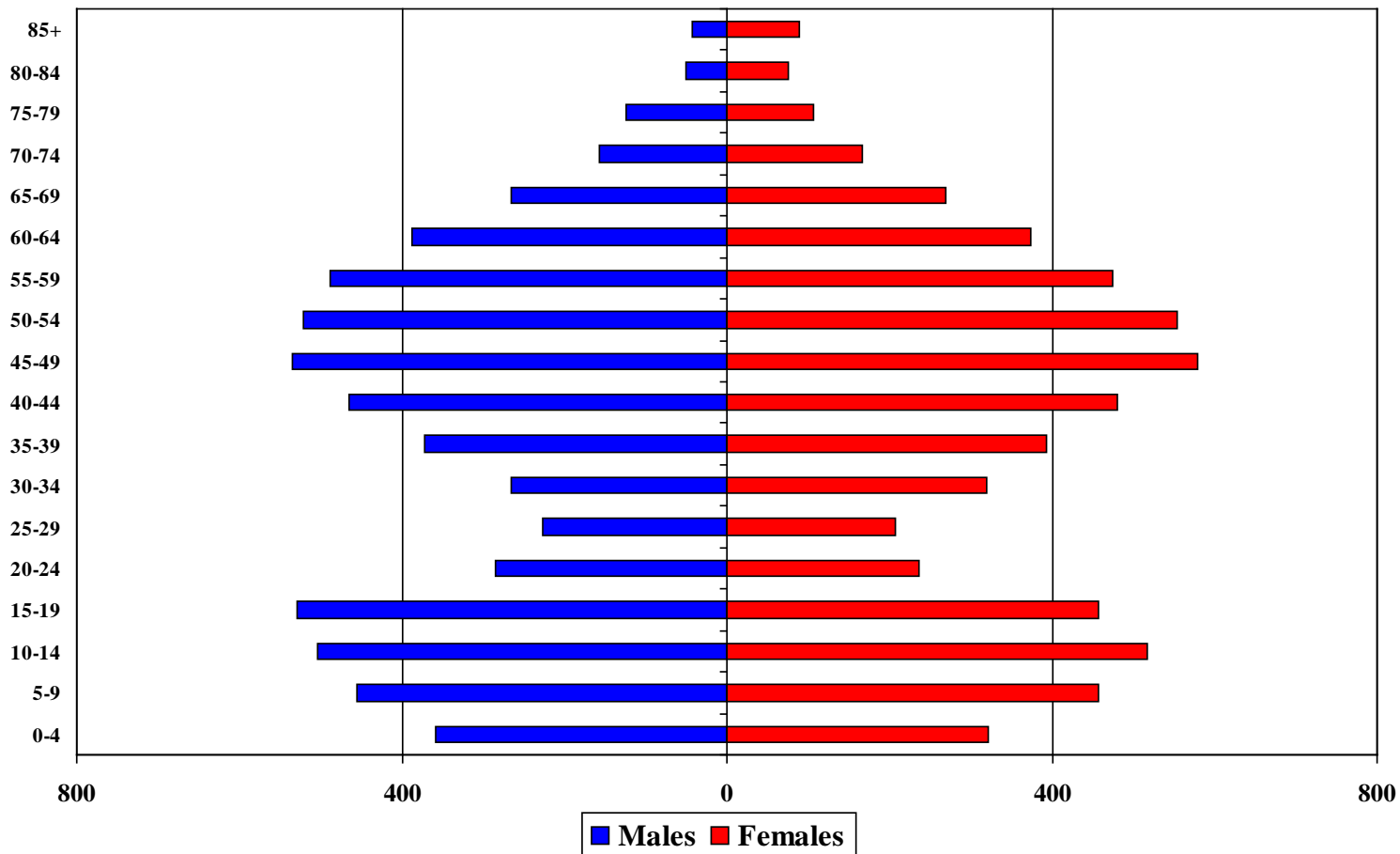


Bibich Elementary - 2010 Census



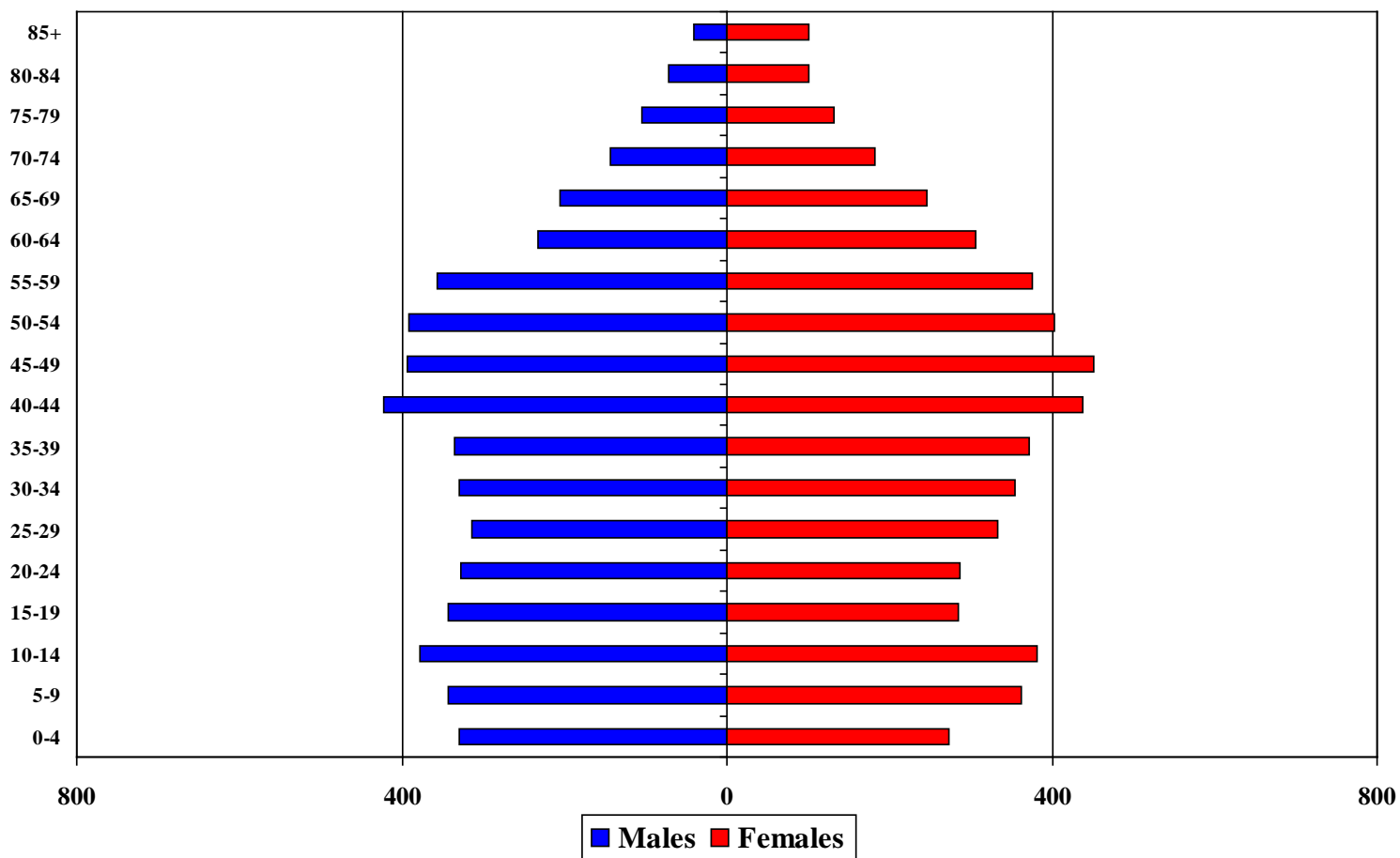


Kolling Elementary - 2010 Census



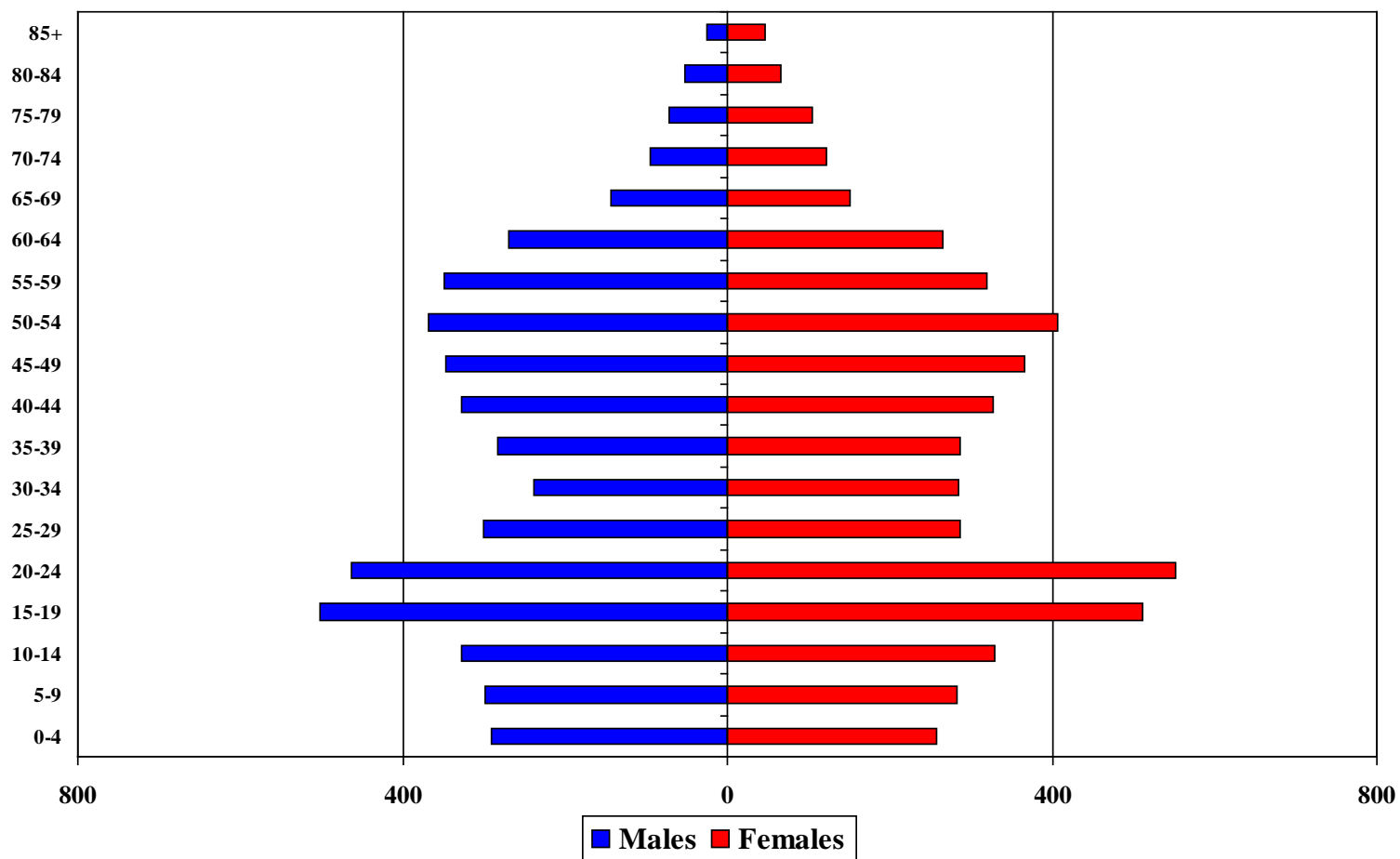


Homan Elementary - 2010 Census



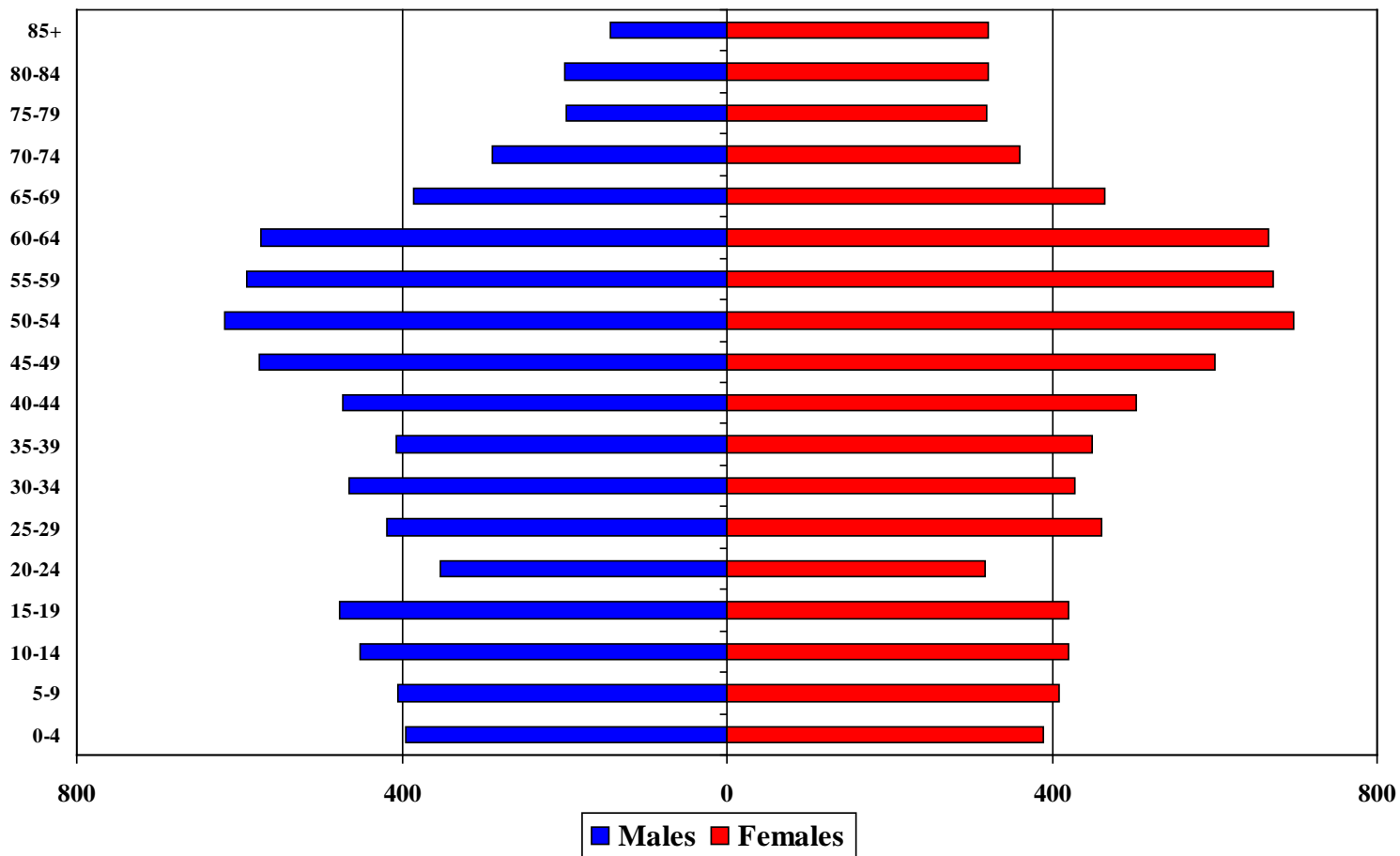


Peifer Elementary - 2010 Census



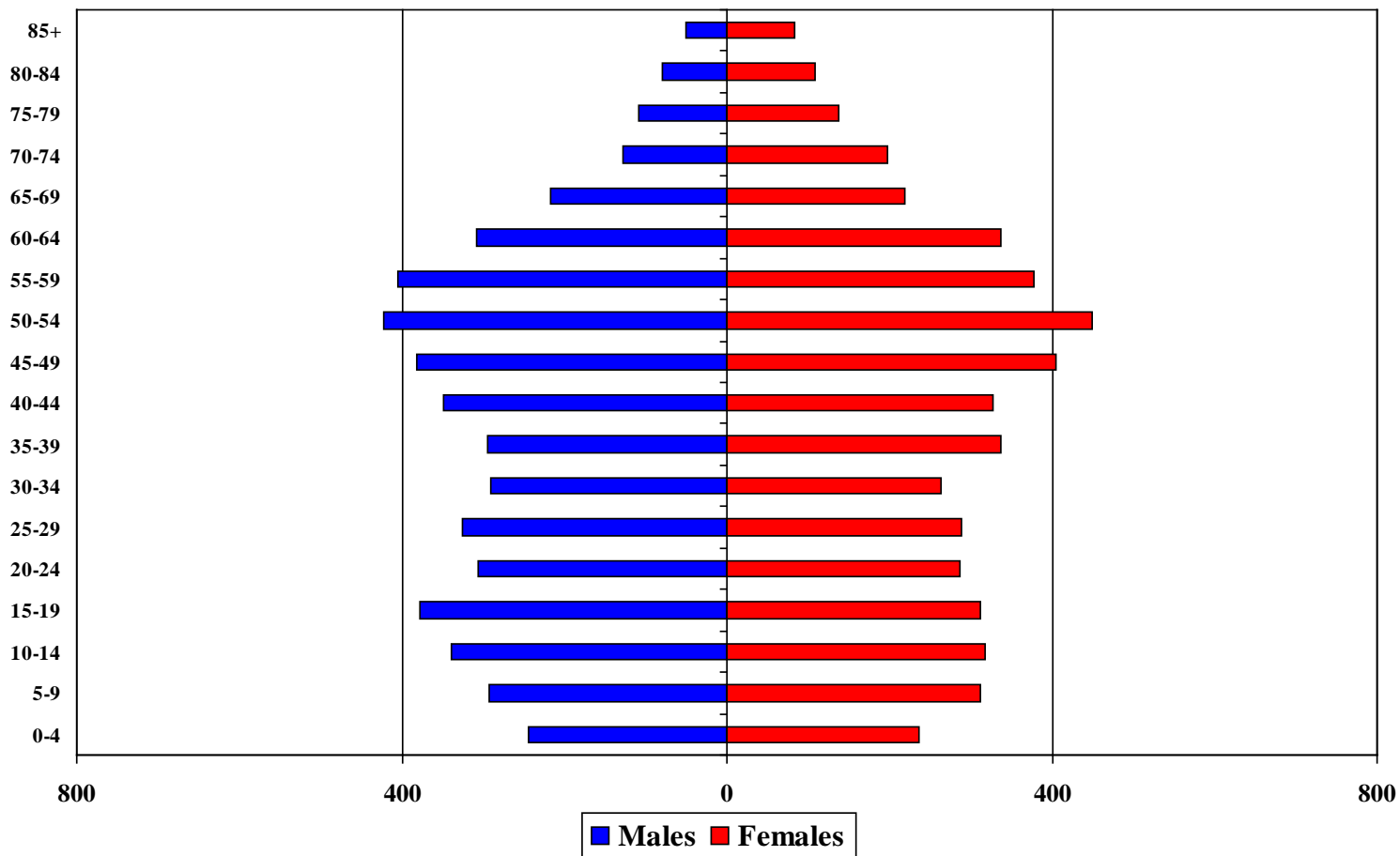


Protsman Elementary - 2010 Census





Watson Elementary - 2010 Census





Appendix D: Additional Tables

Table 1: Forecasted Elementary Area Population Change, 2010 to 2020

	2010	2015	<u>2010- 2015 Change</u>	2020	<u>2015- 2020 Change</u>	<u>2010- 2020 Change</u>
Bibich	8,928	9,200	3.0%	9,390	2.1%	5.2%
Kolling	12,105	12,450	2.8%	12,670	1.8%	4.7%
Homan	10,442	10,730	2.7%	10,890	1.5%	4.3%
Peifer	9,712	10,080	3.7%	10,330	2.5%	6.4%
Protsman	15,639	15,700	0.4%	15,670	-0.2%	0.2%
Watson	9,914	10,060	1.5%	10,150	0.9%	2.4%
Total	66,751	68,220	2.2%	69,100	1.3%	3.5%

Table 2: Household Characteristics by Elementary Area, 2010

	<u>HH w/ Pop Under 18</u>	<u>% HH w/ Pop Under 18</u>	<u>Total Households</u>	<u>Household Population</u>	<u>Persons Per Household</u>
Bibich	1198	39.5%	3033	8838	2.91
Kolling	1652	40.7%	4057	12097	2.98
Homan	1353	32.1%	4214	10388	2.47
Peifer	1186	36.6%	3242	8815	2.72
Protsman	1670	25.9%	6443	15381	2.39
Watson	1185	30.6%	3871	9914	2.56
Total	8242	33.2%	24861	65433	2.63

**Table 3: Householder Characteristics by Elementary Area,
2010 Census**

	<u>Percentage of Householders aged 35-54</u>	<u>Percentage of Householders aged 65+</u>	<u>Percentage of Householders Who Own Homes</u>
Bibich	49.0%	20.0%	96.1%
Kolling	48.1%	19.5%	97.0%
Homan	43.1%	20.8%	78.2%
Peifer	44.1%	17.2%	79.2%
Protsman	36.2%	29.1%	88.7%
Watson	40.1%	21.7%	77.1%
Total	42.5%	22.3%	86.1%



**Table 4: Percentage of Households
that are Single Person Households
and Single Person Households that
are Over Age 65 by Elementary Area,
2010 Census**

	<u>Percentage of Single Person Households</u>	<u>Percentage of Single Person Households and are 65+</u>
Bibich	14.3%	5.5%
Kolling	12.6%	5.7%
Homan	28.3%	8.8%
Peifer	20.1%	5.6%
Protsman	28.2%	12.9%
Watson	25.0%	8.1%
Total	22.4%	8.4%

Table 5: Total Elementary Enrollment, 2015, 2020, 2025

	<u>2015</u>	<u>2020</u>	<u>2015- 2020 Change</u>	<u>2025</u>	<u>2020- 2025 Change</u>	<u>2015- 2025 Change</u>
Bibich	432	467	8.1%	428	-8.4%	-0.9%
Kolling	630	677	7.5%	630	-6.9%	0.0%
Homan	521	503	-3.5%	469	-6.8%	-10.0%
Peifer	458	466	1.7%	436	-6.4%	-4.8%
Protsman	701	729	4.0%	675	-7.4%	-3.7%
Watson	478	487	1.9%	454	-6.8%	-5.0%
Total	3,220	3,329	3.4%	3,095	-7.0%	-3.9%

Table 6: Age Under One to Age Ten Population Counts, by Year of Age, by Elementary

	<u>Under 1 year</u>	<u>1 year</u>	<u>2 years</u>	<u>3 years</u>	<u>4 years</u>	<u>5 years</u>	<u>6 years</u>	<u>7 years</u>	<u>8 years</u>	<u>9 years</u>	<u>10 years</u>
Bibich	81	78	84	95	108	117	141	110	132	126	158
Kolling	132	124	141	142	142	178	206	162	184	182	230
Homan	132	115	107	121	129	147	140	140	137	141	145
Peifer	124	88	103	126	106	119	119	100	118	123	120
Protsman	154	154	176	155	147	172	144	154	168	175	177
Watson	89	84	94	112	103	99	123	138	120	124	116
Total	712	641	705	750	735	833	873	803	859	871	946



Table 7: Comparison of District Enrollment by Grade with 2010 Census Counts by Age, 2010-2014

2010 Census	Under 1 year	1 year	2 years	3 years	4 years	5 years	6 years	7 years	8 years	9 years	10 years	11 years	12 years	13 years
Lake Central Schools Total	712	641	705	750	735	833	873	803	859	871	946	933	939	934
2015 Enrollment	665 93.40%	562 87.70%	602 85.40%	711 94.80%	680 92.50%	705 84.60%	764 87.50%	762 94.90%	774 90.10%	827 94.90%	823 87.00%	774 83.00%	814 86.70%	
2014 Enrollment		566 88.30%	593 84.10%	699 93.20%	672 91.40%	687 82.50%	753 86.30%	750 93.40%	753 87.70%	799 91.70%	817 86.40%	802 86.00%	801 85.30%	817 0.875
2013 Enrollment			583 82.70%	690 92.00%	665 90.50%	678 81.40%	734 84.10%	723 90.00%	744 86.60%	787 90.40%	798 84.40%	791 84.80%	817 87.00%	782 0.837
2012 Enrollment				654 87.20%	658 89.50%	683 82.00%	748 85.70%	716 89.20%	726 84.50%	780 89.60%	791 83.60%	799 85.60%	833 88.70%	804 0.861
2011 Enrollment					640 87.10%	692 83.10%	731 83.70%	713 88.80%	729 84.90%	777 89.20%	790 83.50%	776 83.20%	837 89.10%	803 0.86
2010 Enrollment						725 87.00%	730 83.60%	708 88.20%	724 84.30%	779 89.40%	791 83.60%	833 89.30%	826 88.00%	801 0.858

Appendix E: Live Attend Analysis

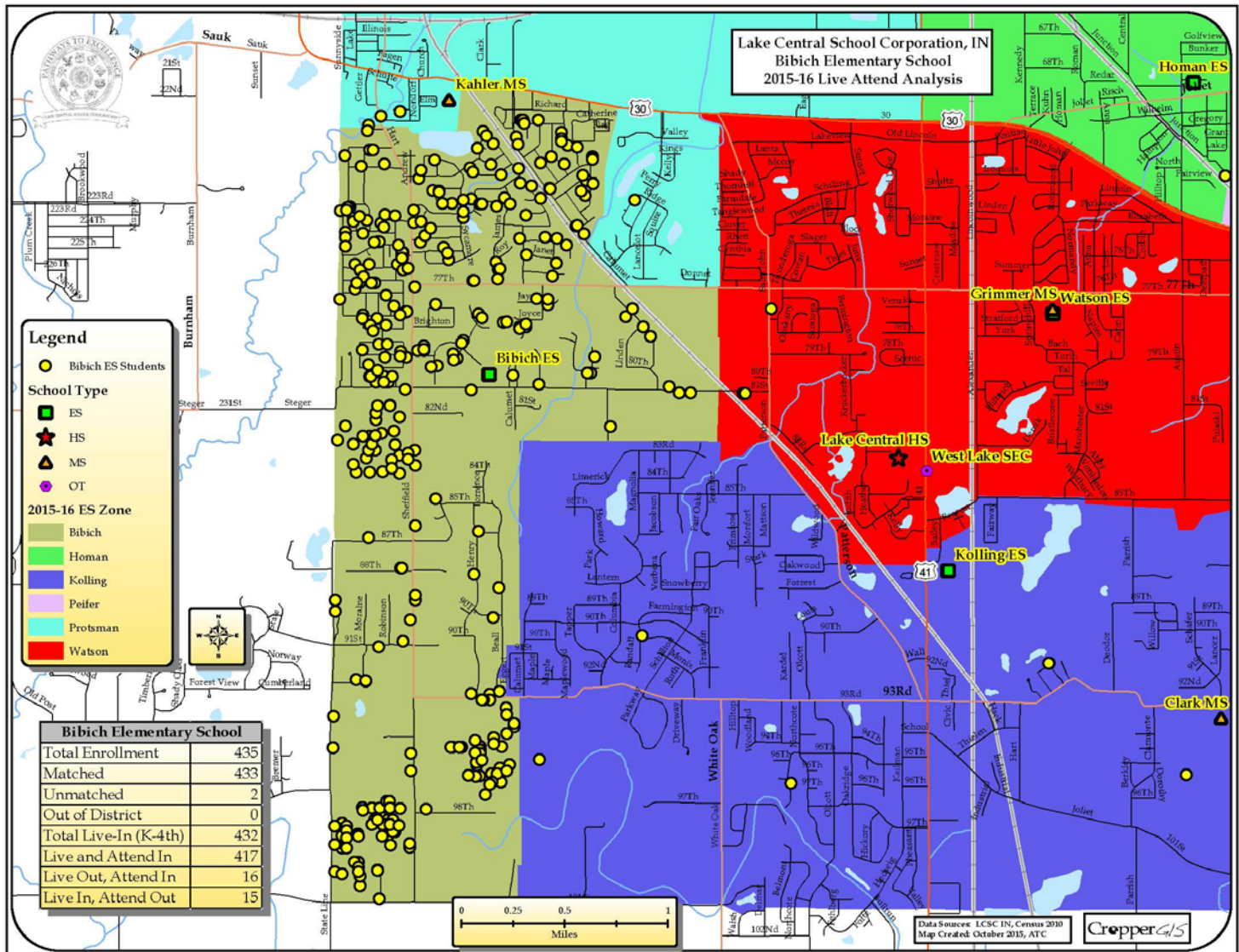
This map series focuses on illustrating the geographic distribution of Lake Central School Corporation, IN 2015-16 students in relation to school attendance boundaries.

Here is an example of a map from this series.

Basic Map Elements

The legend explains how different features are represented, either by a point (e.g. schools and students), or by an area/polygon (e.g. attendance boundaries). The scale bar references the distance ratio of the map in relation to the real world.

Please note that each yellow dot represents a student's address, at which, multiple students could reside. Therefore, counting the number of dots shown on the map might not reflect the student population accurately.



Live-Attend Tables

Each map has a table listing various statistics about the student data in this region. Here is a guide for reading this table:

Bibich Elementary School	
Total Enrollment	435
Matched	433
Unmatched	2
Out of District	0
Total Live-In (K-4th)	432
Live and Attend In	417
Live Out, Attend In	16
Live In, Attend Out	15

Total Enrollment - number of students attending Bibich ES.

Matched - number of students attending Bibich ES whose addresses were located by the GIS, and placed on the map.

Unmatched - number of students whose addresses were not able to be located, and have not been placed on the map.

Out of District - number of students who live outside of the Lake Central School Corporation boundaries, yet attend this school.

Total Live-In - number of students who live within the school's attendance boundary, who are in the K-4th grade cohort. The 'total-live in' statistic here indicates there are

432 K-4th grade students living within the Bibich ES attendance boundary.

Live and Attend In - number of K-4th students who live within the attendance boundary, and also attend that school. In this example, 417 K-4th grade students who live within the Bibich ES attendance boundary also attend Bibich ES.

Live Out, Attend In - number of K-4th students who live outside of the Bibich ES attendance boundary, but attend Bibich ES. Any student records that are unmatched are not included in this count, since it is not known whether or not these unmatched students live within or outside the attendance boundary in question. Due to the methods used to calculate the statistics in this table, this is the only circumstance where this is relevant.

Live In, Attend Out - number of K-4th students who live inside the Bibich ES attendance boundary, yet attend a different elementary school.



LIVE ATTEND MATRIX

The tables below give details on the schools that students attend and the school zones where they live. The schools of attendance are listed on the left while the zones where students live schools of attendance are listed on the top line. The numbers highlighted in green are counts of students who attend the assigned schools for the zones where they live.

K-4th Matrix

Where 2015-16 K-4th Students Live

Where 2015-16 K-4th Students
Attend

		<div> <div>Bibich</div> <div>Homan</div> <div>Kolling</div> <div>Peifer</div> <div>Protsman</div> <div>Watson</div> <div>Out of District</div> <div>Unmatched</div> <div>Live Out Attend In</div> </div>								
		432	516	616	462	671	477	42	7	
Bibich Elementary School	435	417	3	6		4	3		2	16
Homan Elementary School	519	1	489	2	16	3	6	2		30
Kolling Elementary School	633	5		597	5		6	16	4	32
Peifer Elementary School	454	1	8	5	436	1	2		1	17
Protsman Elementary School	704	6	4	3	4	655	9	23		49
Watson Elementary School	478	2	12	3	1	8	451	1		27
Live In Attend Out		15	27	19	26	16	26			

5-8th Matrix

Where 2015-16 5-8th Students Live

Where 2015-16 5-8th
Students Attend

		<div> <div>Clark</div> <div>Grimmer</div> <div>Kahler</div> <div>Out of District</div> <div>Unmatched</div> <div>Live Out Attend In</div> </div>					
		1057	940	986	25	6	
Clark Middle School	1109	1032	45	17	11	4	73
Grimmer Middle School	919	20	888	9	2		31
Kahler Middle School	986	5	7	960	12	2	24
Live In Attend Out		25	52	26			



Lake Central School Corporation, IN Bibich Elementary School 2015-16 Live Attend Analysis

Legend

● Bibich ES Students

School Type



ES



HS



MS



OT

2015-16 ES Zone



Bibich



Homan



Kolling



Peifer



Protzman

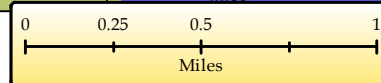


Watson



Bibich Elementary School

Total Enrollment	435
Matched	433
Unmatched	2
Out of District	0
Total Live-In (K-4th)	432
Live and Attend In	417
Live Out, Attend In	16
Live In, Attend Out	15



Data Sources: LCSC IN, Census 2010
Map Created: October 2015, ATC

CropperGIS



Lake Central School Corporation, IN Homan Elementary School 2015-16 Live Attend Analysis

Legend

- Yellow circle: Homan ES Students

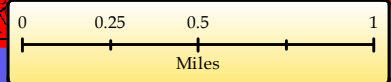
School Type

- Green square: ES
- Red star: HS
- Yellow triangle: MS
- Purple circle: OT

2015-16 ES Zone

- Bibich (light green)
- Homan (green)
- Kolling (blue)
- Peifer (purple)
- Protsman (cyan)
- Watson (red)

Homan Elementary School	
Total Enrollment	519
Matched	519
Unmatched	519
Out of District	2
Total Live-In (K-4th)	516
Live and Attend In	489
Live Out, Attend In	30
Live In, Attend Out	27





Lake Central School Corporation, IN
Kolling Elementary School
2015-16 Live Attend Analysis

Lake Central HS

West Lake SEC

Kolling ES

Grimmer MS
Watson ES

Legend

● Kolling ES Students

School Type



ES



HS



MS



OT

2015-16 ES Zone



Bibich



Homan



Kolling



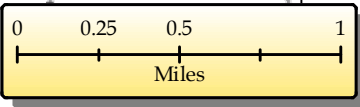
Peifer



Protsman



Watson



Kolling Elementary School

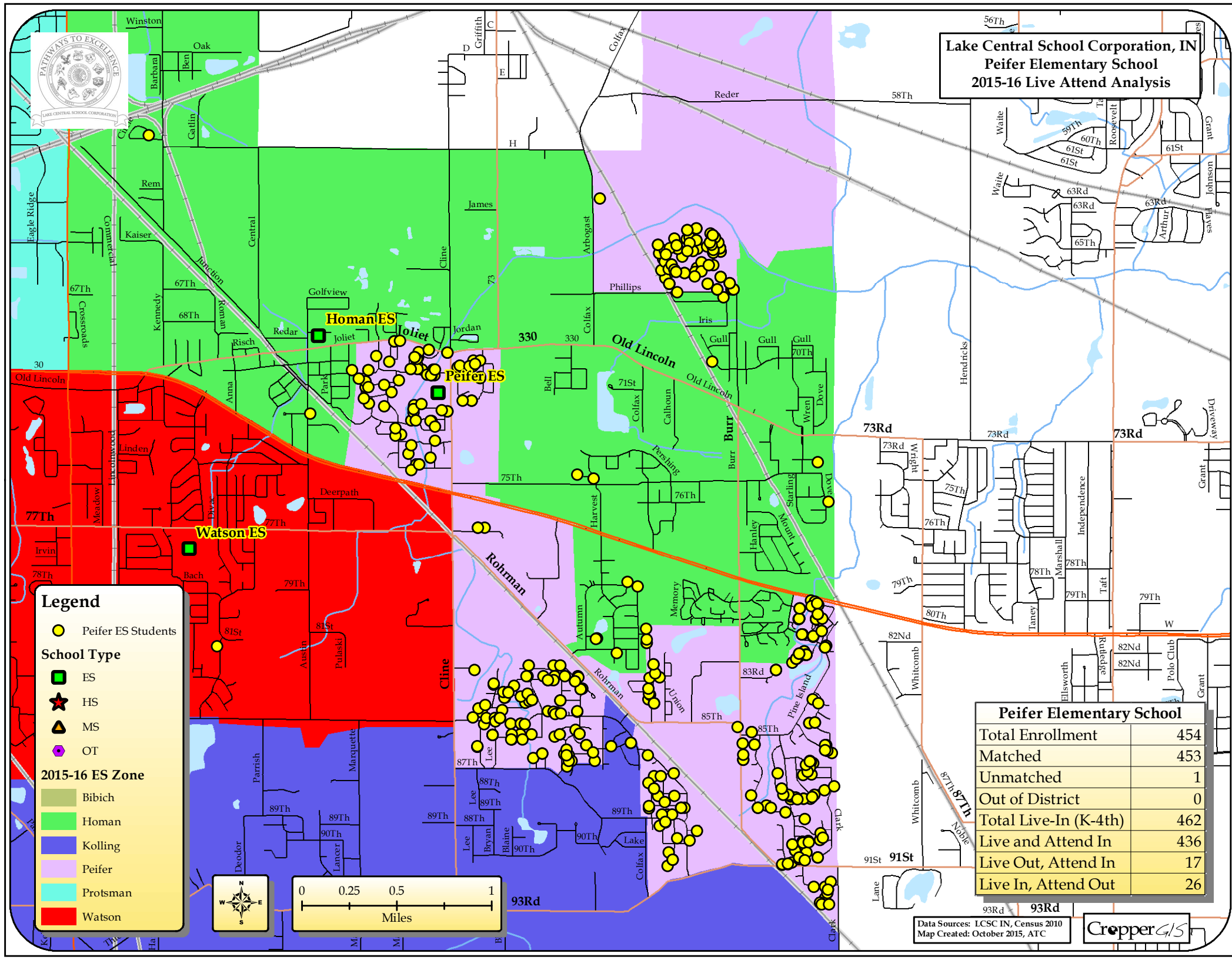
Total Enrollment	633
Matched	629
Unmatched	4
Out of District	16
Total Live-In (K-4th)	616
Live and Attend In	597
Live Out, Attend In	32
Live In, Attend Out	19

Data Sources: LCSC IN, Census 2010
Map Created: October 2015, ATC

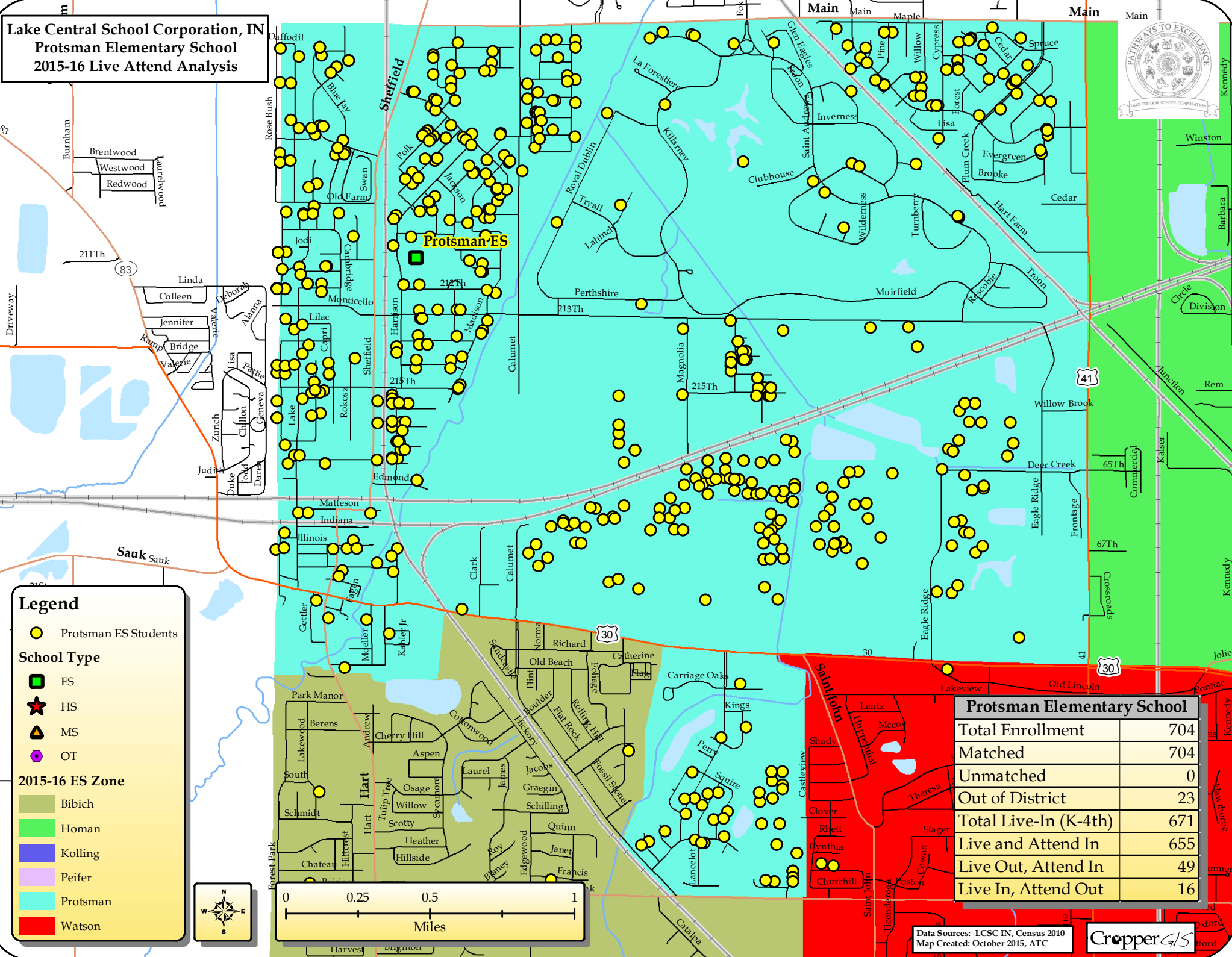
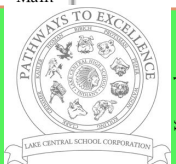
CropperGIS



Lake Central School Corporation, IN
Peifer Elementary School
2015-16 Live Attend Analysis



**Lake Central School Corporation, IN
Protsman Elementary School
2015-16 Live Attend Analysis**

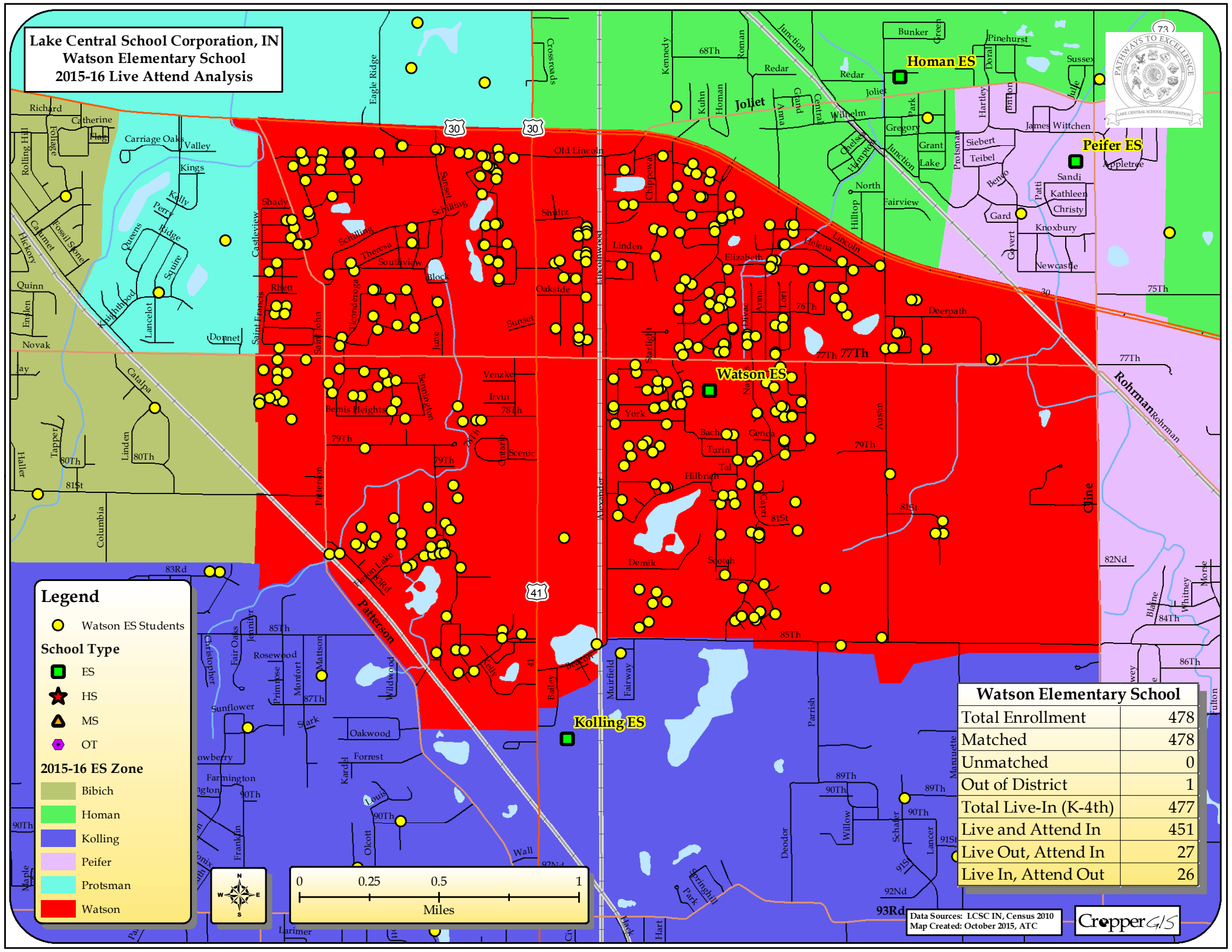
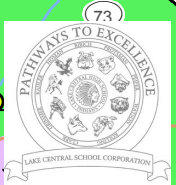


Protsman Elementary School	
Total Enrollment	704
Matched	704
Unmatched	0
Out of District	23
Total Live-In (K-4th)	671
Live and Attend In	655
Live Out, Attend In	49
Live In, Attend Out	16

Data Sources: LCSC IN, Census 2010
Map Created: October 2015, ATC

Cropper G/S

Lake Central School Corporation, IN
Watson Elementary School
2015-16 Live Attend Analysis



Legend

- Yellow dot: Watson ES Students

School Type

- Green square: ES
- Red star: HS
- Black triangle: MS
- Purple circle: OT

2015-16 ES Zone

- Light green: Bibich
- Green: Homan
- Blue: Kolling
- Purple: Peifer
- Cyan: Protsman
- Red: Watson

Watson Elementary School	
Total Enrollment	478
Matched	478
Unmatched	0
Out of District	1
Total Live-In (K-4th)	477
Live and Attend In	451
Live Out, Attend In	27
Live In, Attend Out	26



Lake Central School Corporation, IN Clark Middle School 2015-16 Live Attend Analysis

Clark Middle School	
Total Enrollment	1109
Matched	1105
Unmatched	4
Out of District	11
Total Live-In (5-8th)	1057
Live and Attend In	1032
Live Out, Attend In	73
Live In, Attend Out	25

Legend

● Clark MS Students

School Type



ES



HS



MS



OT

2015-16 MS Zones



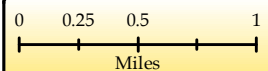
Clark



Grimmer



Kahler



Data Sources: LCSC IN, Census 2010
Map Created: October 2015, ATC

CropperGIS



Lake Central School Corporation, IN
Grimmer Middle School
2015-16 Live Attend Analysis

Grimmer Middle School	
Total Enrollment	919
Matched	919
Unmatched	0
Out of District	2
Total Live-In (5-8th)	940
Live and Attend In	888
Live Out, Attend In	31
Live In, Attend Out	52

Legend

● Grimmer MS Students

School Type



ES



HS



MS



OT

2015-16 MS Zones



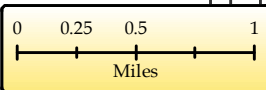
Clark



Grimmer

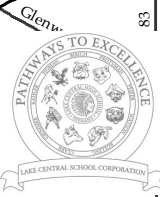


Kahler



Data Sources: LCSC IN, Census 2010
Map Created: October 2015, ATC

CropperGIS



Lake Central School Corporation, IN Kahler Middle School 2015-16 Live Attend Analysis

Kahler Middle School	
Total Enrollment	986
Matched	984
Unmatched	2
Out of District	12
Total Live-In (5-8th)	986
Live and Attend In	960
Live Out, Attend In	24
Live In, Attend Out	26

Legend

Kahler MS Students

School Type

ES

HS

MS

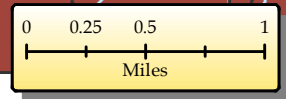
OT

2015-16 MS Zones

Clark

Grimmer

Kahler



Data Sources: LCSC IN, Census 2010
Map Created: October 2015, ATC

