

**DEMOGRAPHIC STUDY
FOR THE
COLTS NECK TOWNSHIP
SCHOOLS**

November 19, 2014



STATISTICAL FORECASTING

- Provide demographic services for school districts in the New York-New Jersey metropolitan area.
- Performed demographic studies for approximately 100 school districts in NY & NJ.
- Demographic consultant for the NYC Public Schools since 2006.

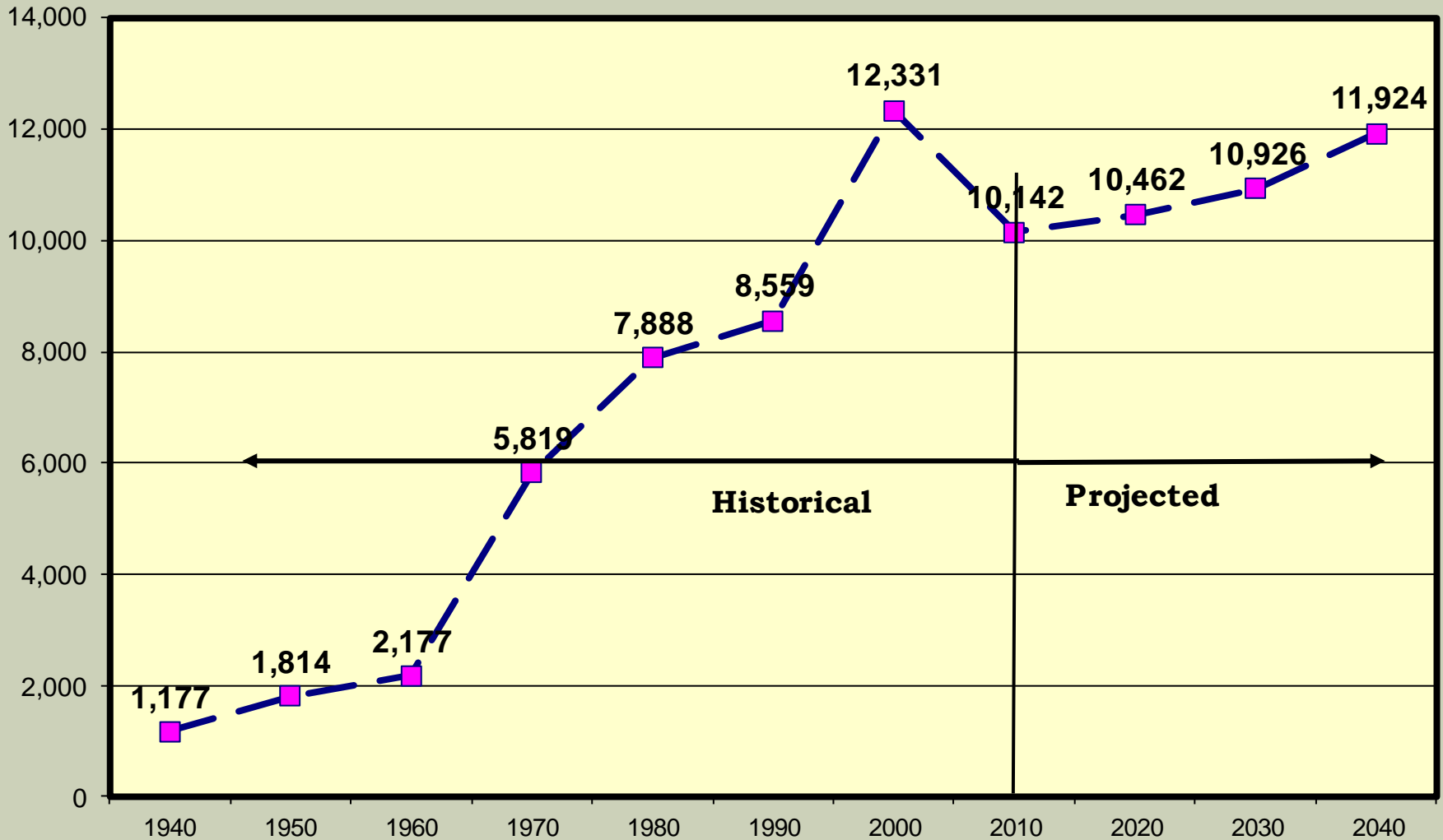
RICHARD S. GRIP ED.D.

- Executive Director
- Doctorate from Rutgers University Graduate School of Education in Educational Statistics and Measurement
- Numerous publications on school demography and presentations nationally
- Testified as an expert witness in school demography in several Administrative Law court hearings.

PURPOSE OF THE STUDY

- ❑ Project grade-by-grade enrollments from 2015-16 through 2019-20
- ❑ Analyze district historical enrollments, birth and fertility rates, community population trends, and age structure
- ❑ Impact of new developments on enrollment

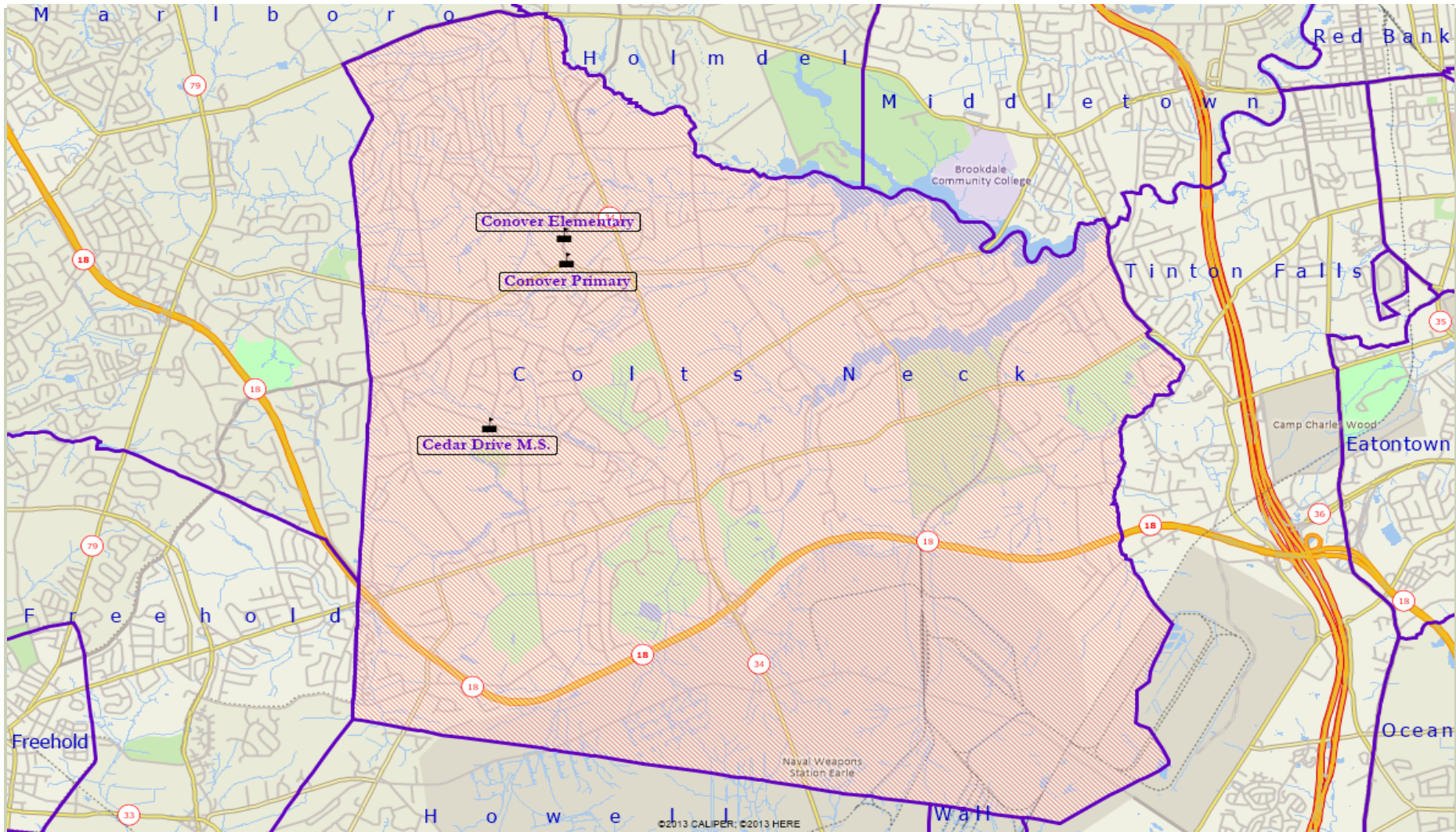
COLTS NECK TOWNSHIP HISTORICAL AND PROJECTED POPULATIONS 1940-2040



COLTS NECK TOWNSHIP DEMOGRAPHIC PROFILE

- ❑ 93.1% White, 4.6% Asian, 3.6% Hispanic
- ❑ 26.4% of population is under 18
- ❑ Median age = 42.7 years
- ❑ Nearly 7% of population is foreign-born. India is largest source. NJ=21%.
- ❑ Bachelor's Degree or Higher = 57.2%
- ❑ Median family income = \$157,500
- ❑ Nearly 3,500 housing units, of which 93% are 1-unit homes (attached or detached)
- ❑ 6.5% of housing units are renter-occupied.
- ❑ Median value of owner-occupied unit = \$790,600

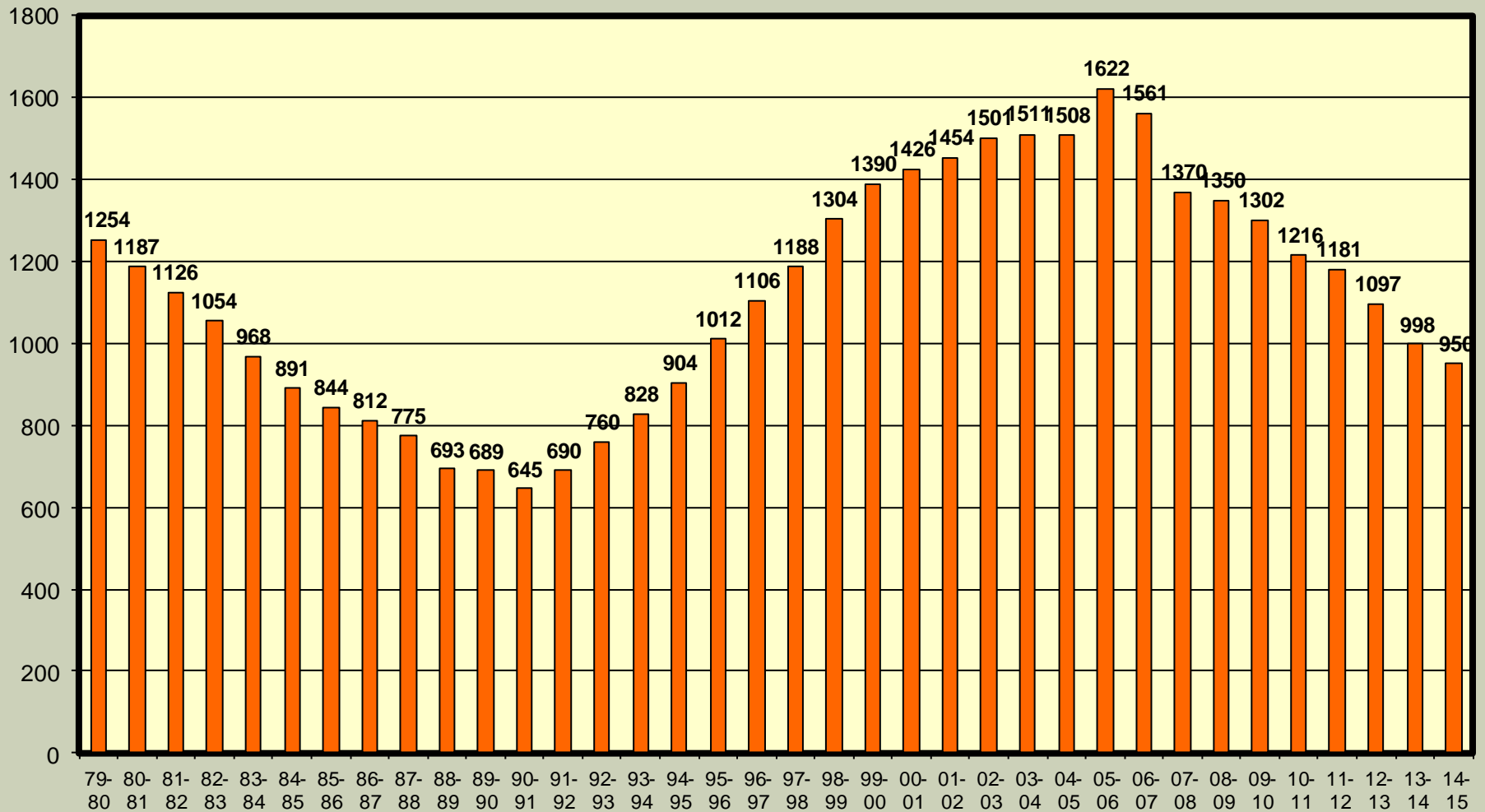
SCHOOL LOCATIONS



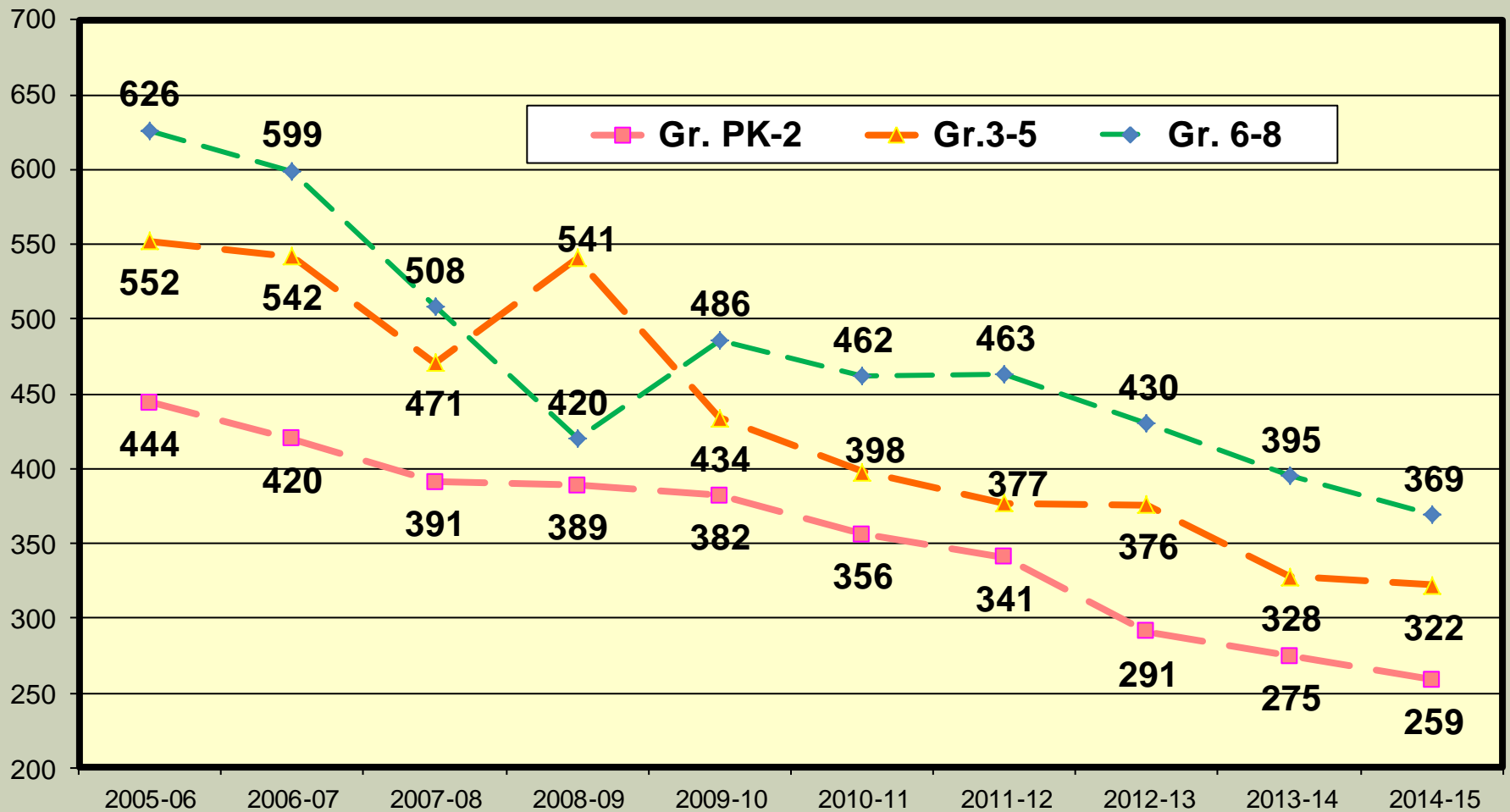
HISTORICAL ENROLLMENT TRENDS

- ❑ District's 2014-15 enrollment is 950.
- ❑ Enrollment peaked in 2005-06 with 1,622 students but has declined for 9 consecutive years.
- ❑ Loss of 672 students since peak.
- ❑ Lowest enrollment was 645 in 1990-91.
- ❑ Cohort-Survival Ratio Method (CSR) was used to project enrollment five years into the future.

HISTORICAL ENROLLMENT 1979-80 TO 2014-15



HISTORICAL ENROLLMENT BY LEVEL 2005-06 TO 2014-15



ENROLLMENT PROJECTION METHOD

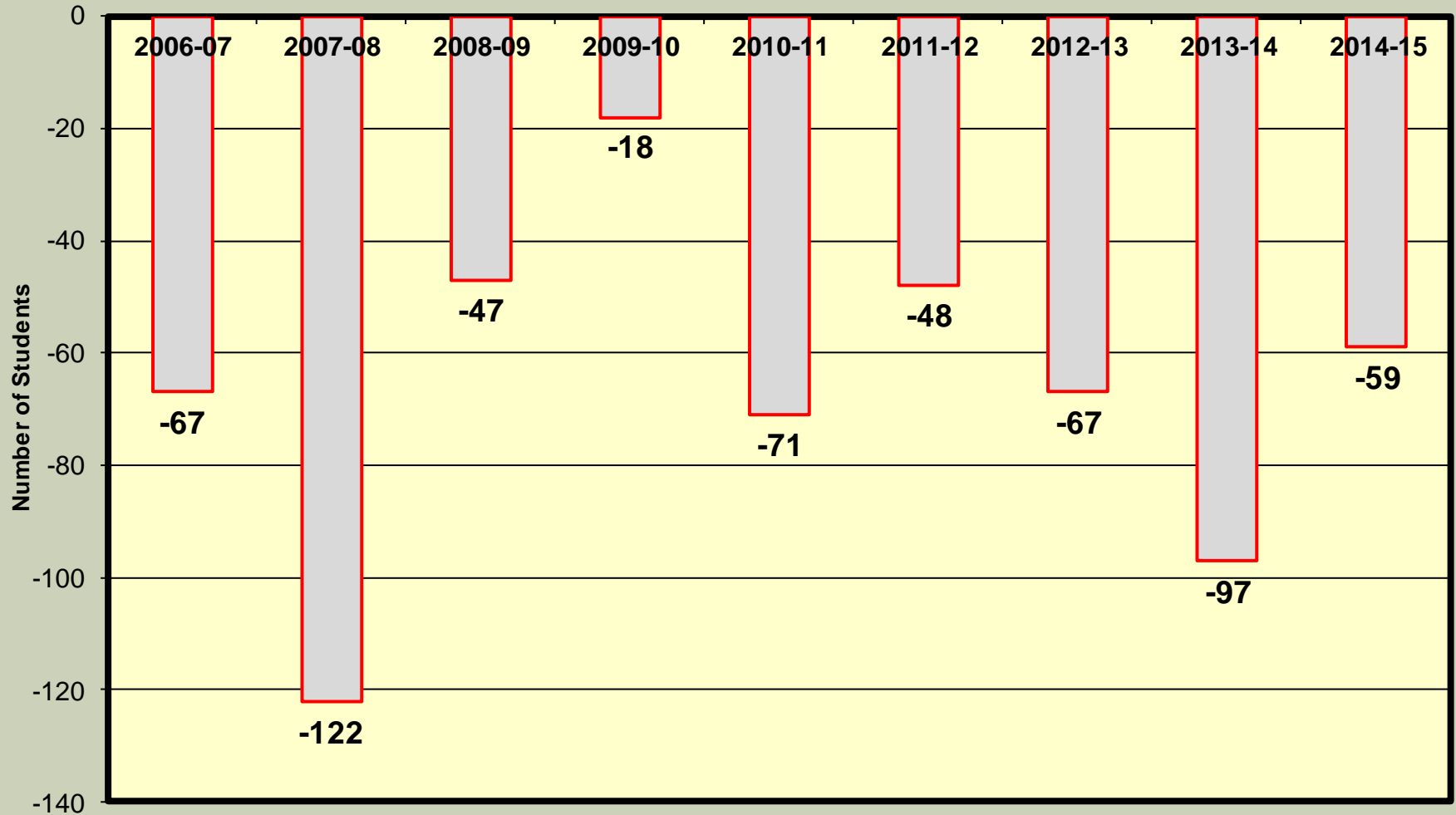
COHORT SURVIVAL RATIO

- ❑ Ratios are calculated for each grade progression. (Ex. 100 1st graders in 2013-14 become 95 2nd graders in 2014-15 = 0.95)
- ❑ Survival ratios were computed for ten historical years. Six of 9 average ratios above 1.000.
- ❑ Averages were then computed and used to project future enrollments.

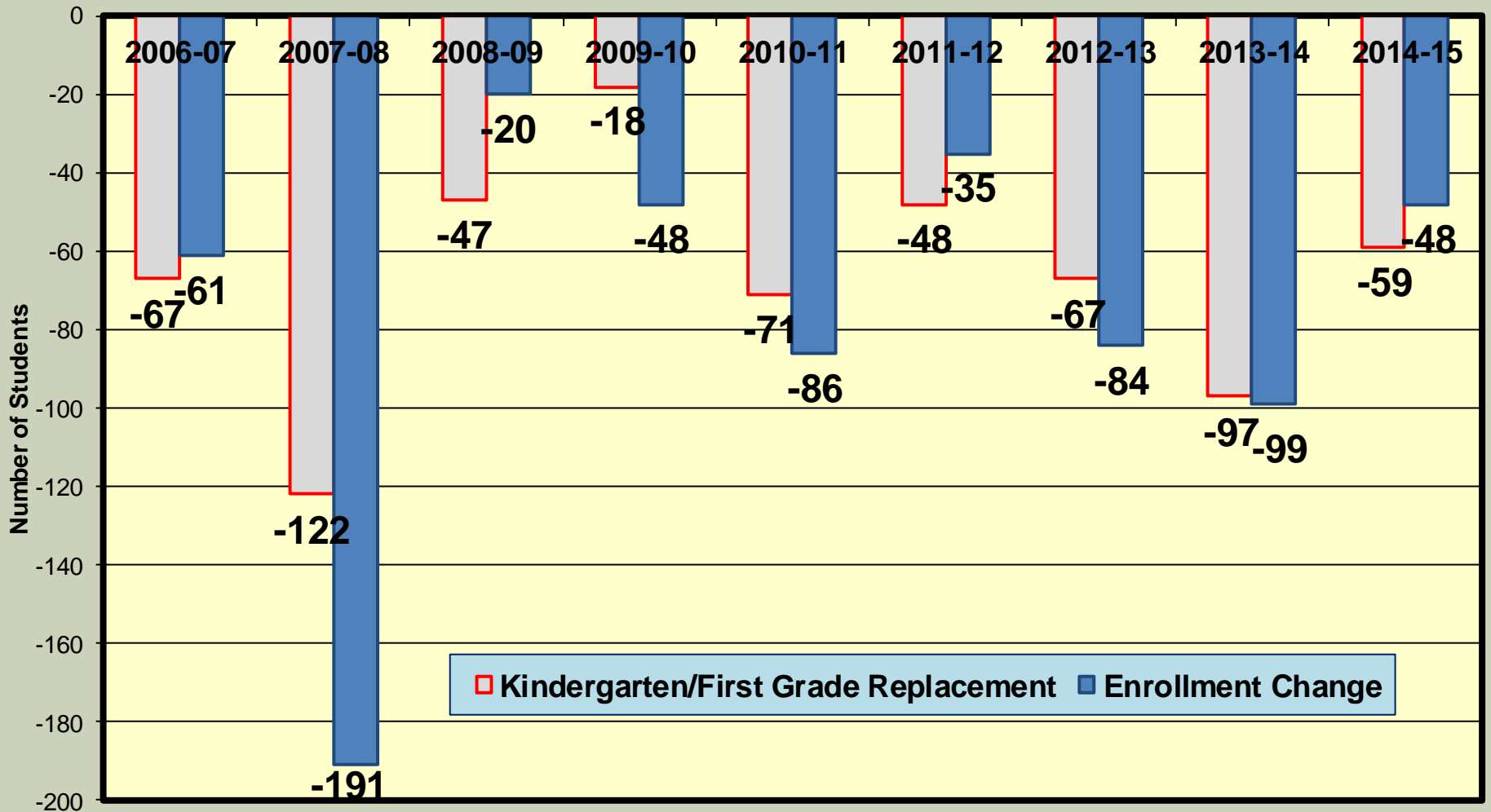
KINDERGARTEN/FIRST GRADE REPLACEMENT

- ❑ Negative kindergarten replacement (2 years) and negative first grade replacement (7 years)
- ❑ Negative KR- Number of graduating 8th grade students is greater than the number of kindergarten students replacing them in the next year.
- ❑ Negative KR was 59 students in 2014-15. 138 8th graders graduated in 2013-14 and were replaced by 79 kindergarten students in 2014-15.

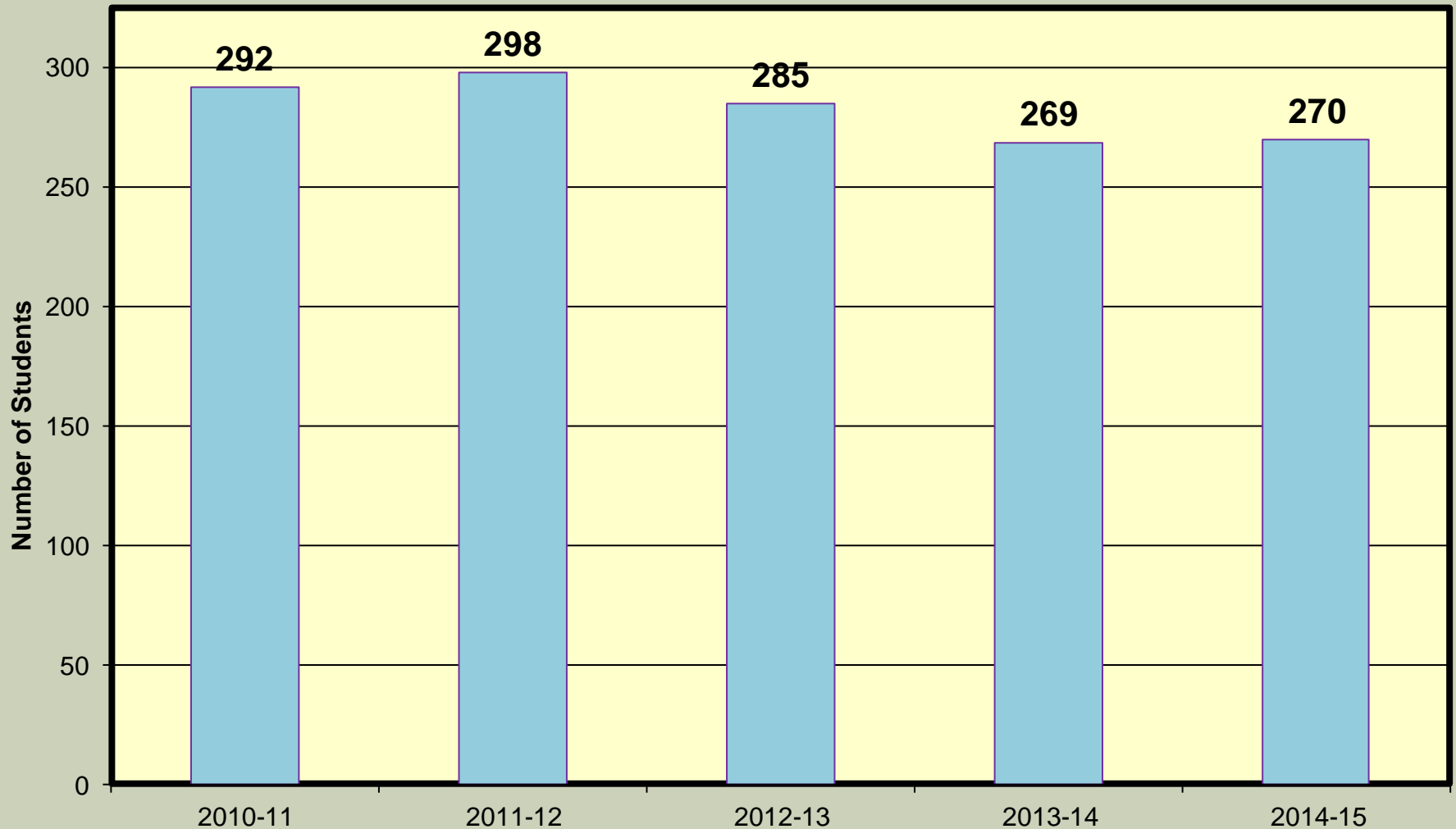
HISTORICAL KINDERGARTEN/FIRST GRADE REPLACEMENT



TOTAL ENROLLMENT CHANGE VS. KINDERGARTEN/FIRST GRADE REPLACEMENT



PRIVATE AND PAROCHIAL ENROLLMENT 2010-11 TO 2014-15



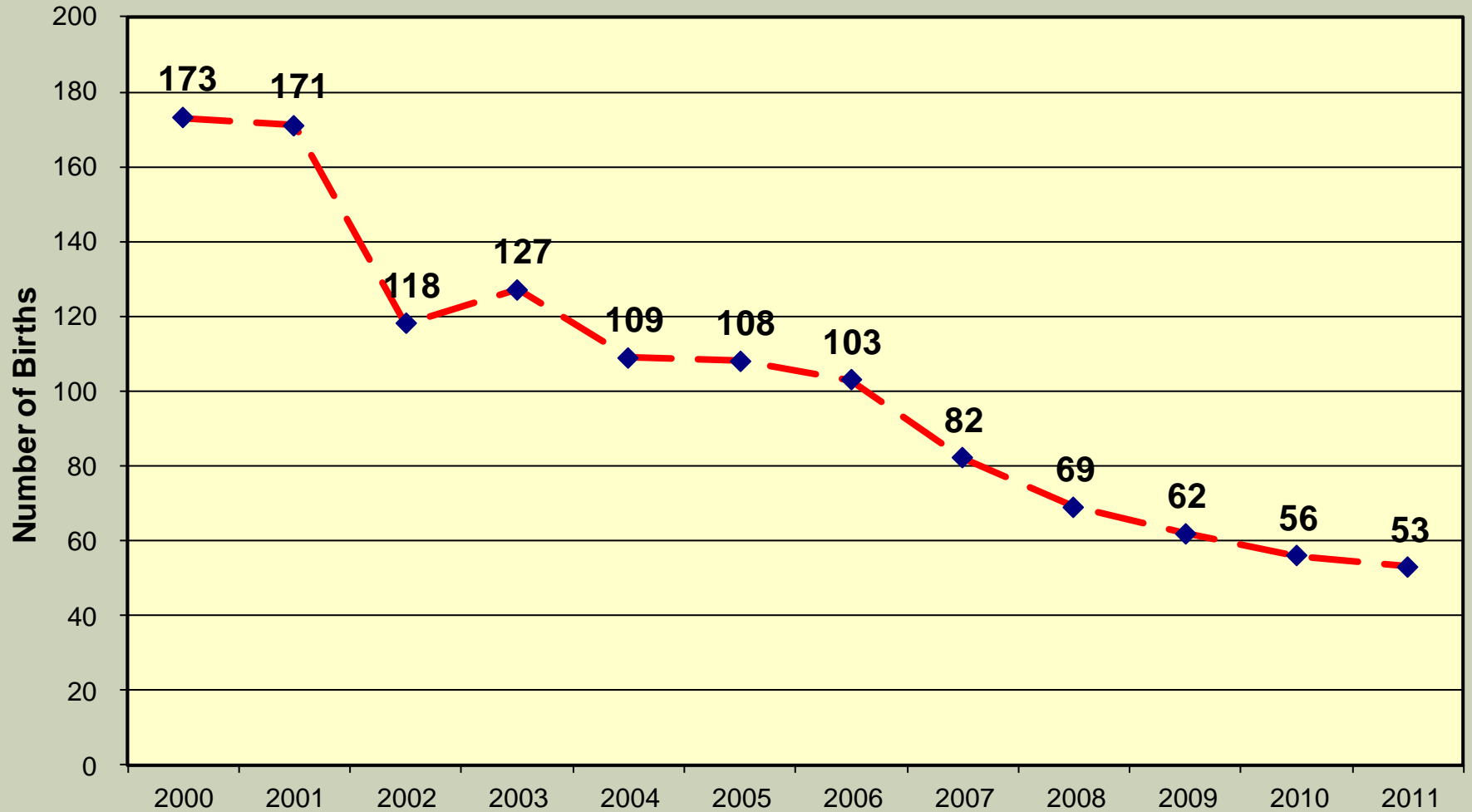
BIRTHS

- ❑ Births in Colts Neck have been declining: 173 in 2000, 53 in 2011.
- ❑ Births are used to project kindergarten students 5 years later.
- ❑ Fertility rates in Colts Neck (43) are lower than Monmouth County (54.7) and NJ (61.0).

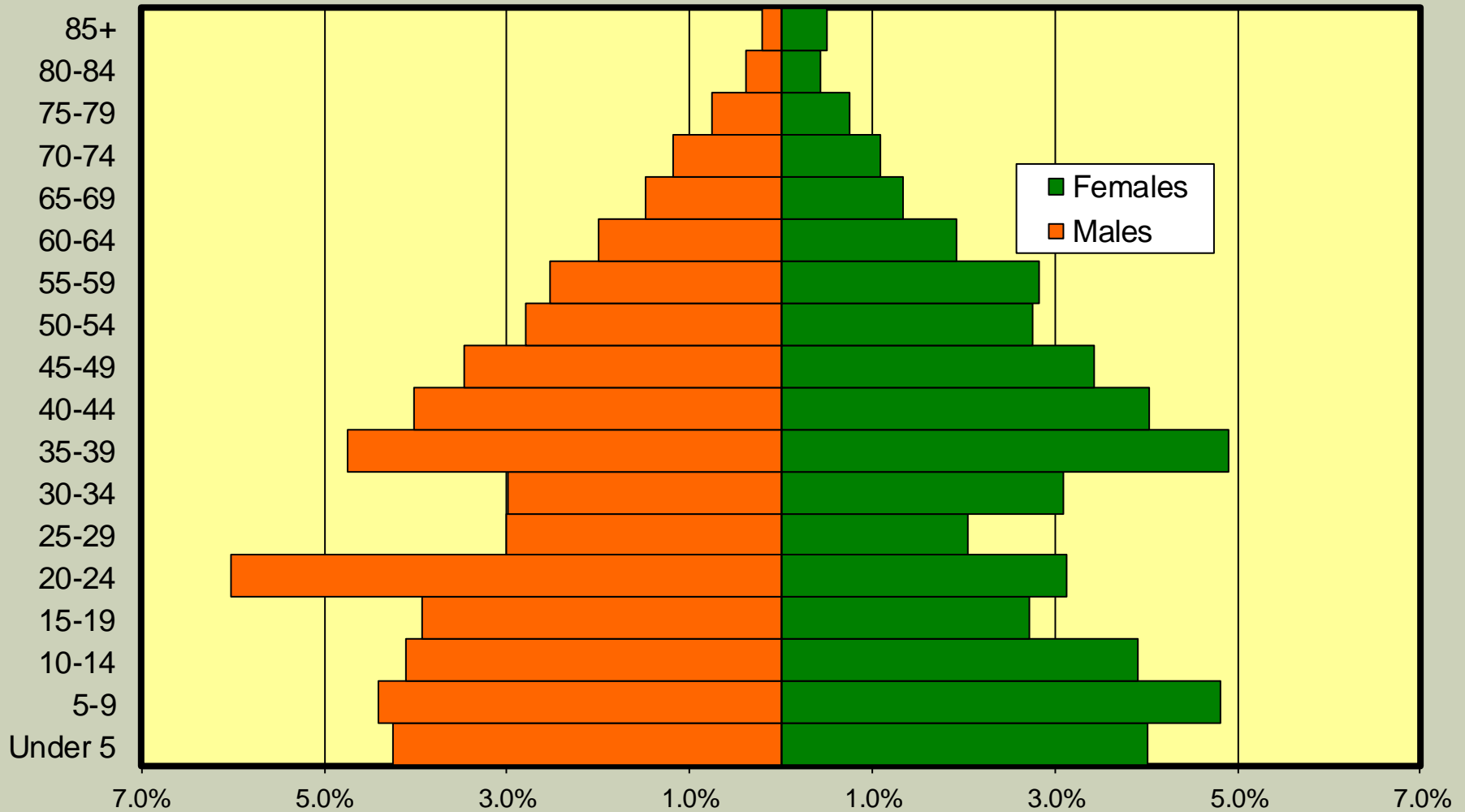
BIRTH RATES AND BIRTH-TO-KINDERGARTEN SURVIVAL RATIOS

Birth Year	Colts Neck Township Number of Births	Kindergarten Students Five Years Later	Birth-to-Kindergarten Survival Ratio
2000	173	92	0.532
2001	171	97	0.567
2002	118	110	0.932
2003	127	105	0.827
2004	109	105	0.963
2005	108	92	0.852
2006	103	84	0.816
2007	82	76	0.927
2008	69	71	1.029
2009	62	79	1.274
2010	56	N/A	N/A
2011	53	N/A	N/A

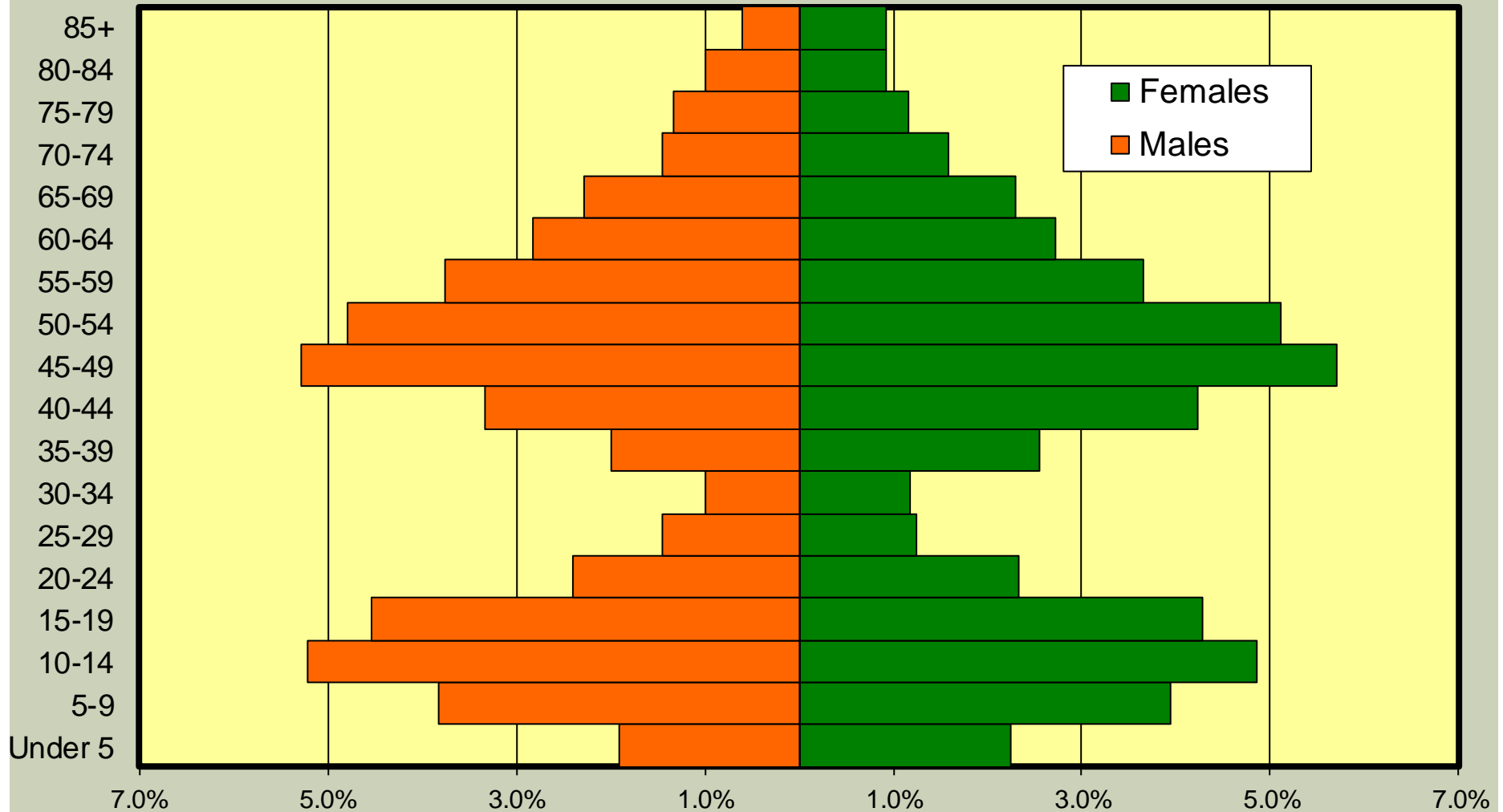
HISTORICAL BIRTHS COLTS NECK 2000-2011



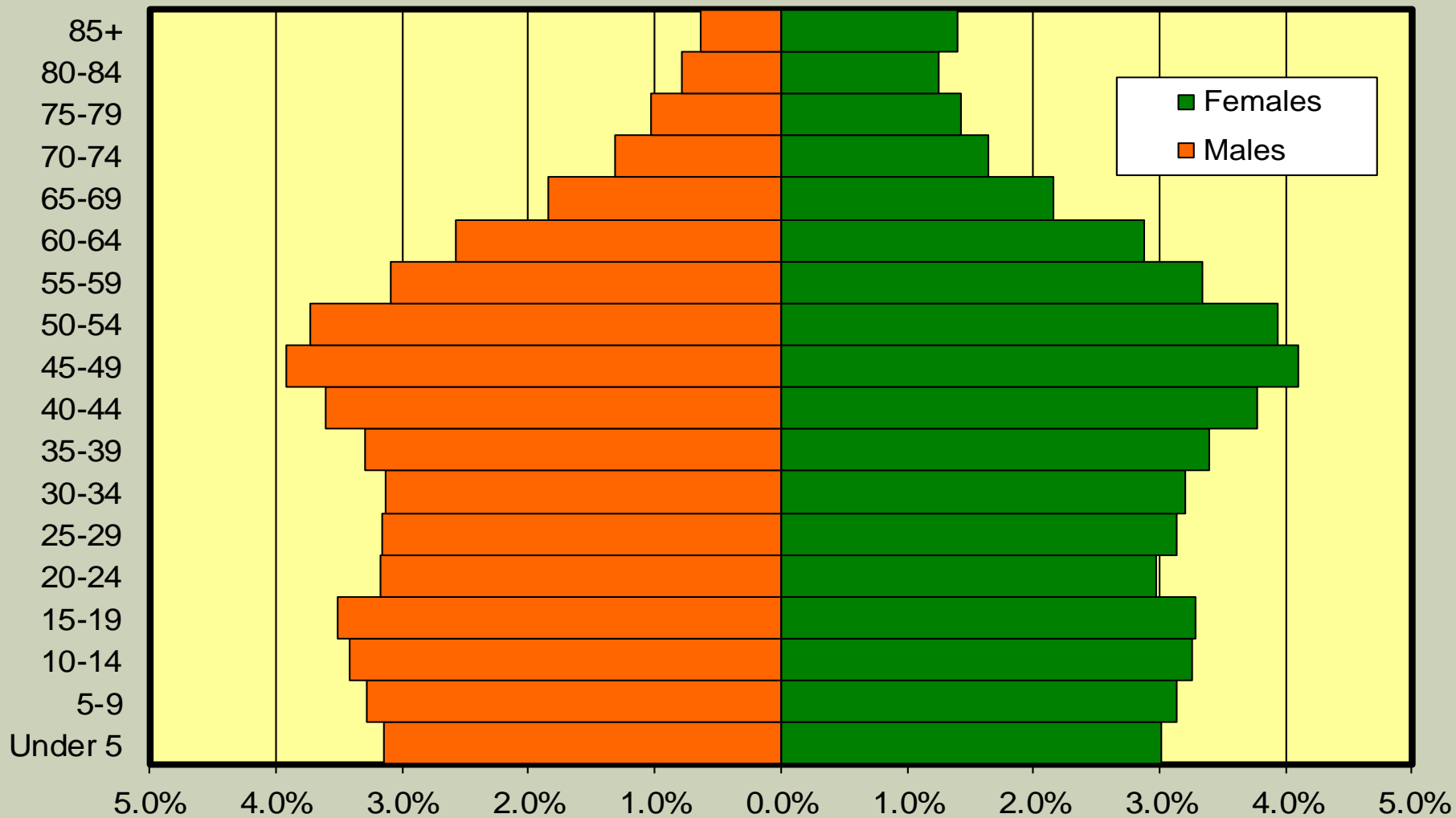
AGE PYRAMID - COLTS NECK TOWNSHIP 2000



AGE PYRAMID - COLTS NECK TOWNSHIP 2010



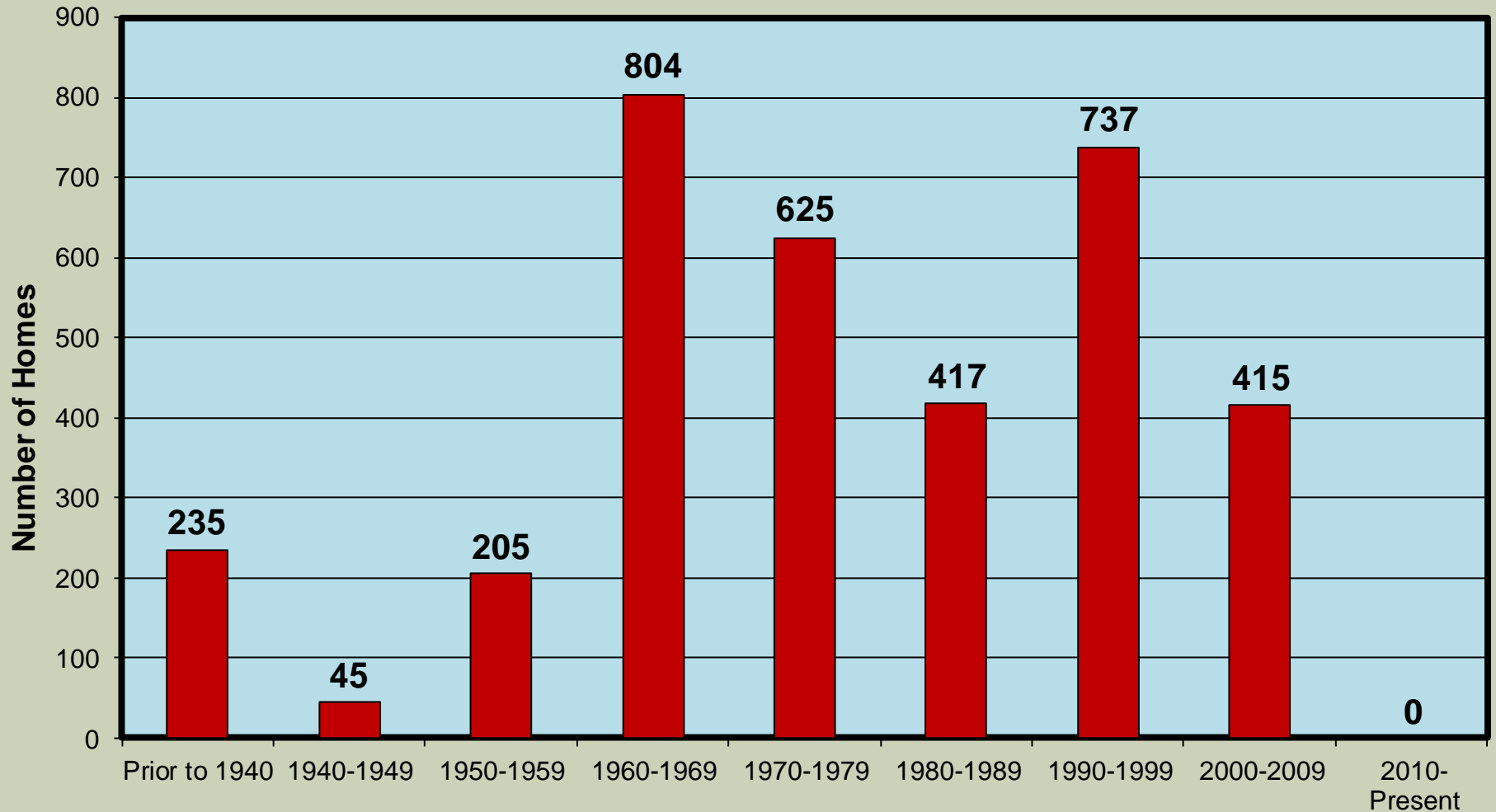
AGE PYRAMID - NEW JERSEY 2010



NEW HOUSING

- 20 potential new housing units in Overbrook Estates. Received preliminary, but not final approval.
- Residential development is limited due to 10-acre minimum lot size.

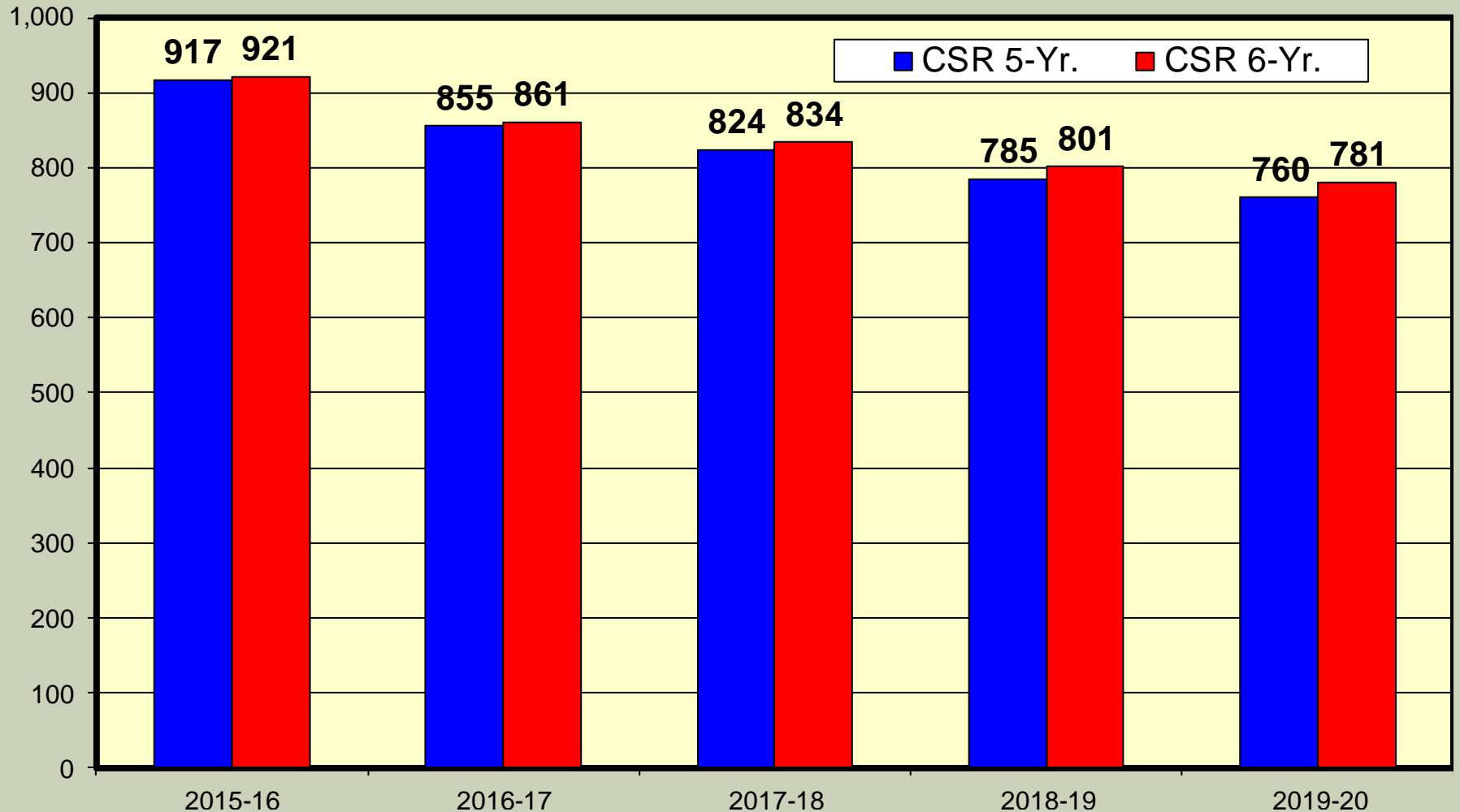
HOMES BUILT BY DECADE



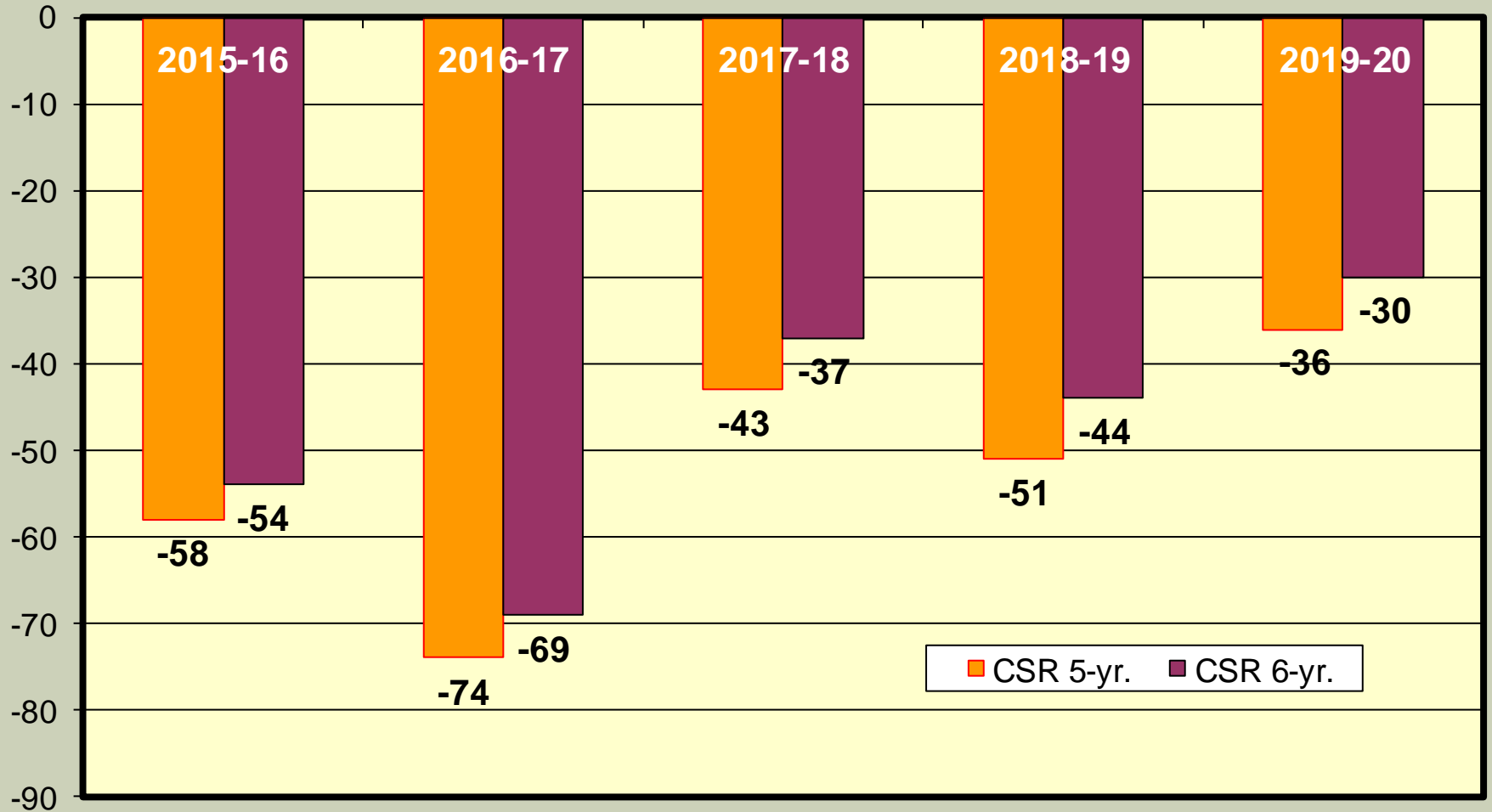
HOMES SALES

Year	Number of Homes Sold	Median Sales Price
2009	88	\$735,000
2010	83	\$750,000
2011	75	\$692,500
2012	87	\$625,000
2013	124	\$672,500
2014 (to date)	87 (29 under contract)	\$694,850

BASELINE ENROLLMENT PROJECTIONS 2015-16 TO 2019-20



PROJECTED KINDERGARTEN REPLACEMENT



PROJECTED ENROLLMENT BY GRADE CONFIGURATION

HISTORICAL	PK-2		3-5		6-8	
2014-15	259		322		369	
PROJECTED	CSR 5-YR	CSR 6-YR	CSR 5-YR	CSR 6-YR	CSR 5-YR	CSR 6-YR
2015-16	261	266	292	292	364	363
2016-17	252	261	273	272	330	328
2017-18	240	254	264	263	320	317
2018-19	241	256	254	258	290	287
2019-20	246	261	243	253	271	267

CAPACITY ANALYSIS

School	Current Utilization Capacity	Actual Enrollment 2014-15	Difference	Projected Enrollment 2019-20	Difference
Conover Road Primary (PK-2)	313	259	+54	261	+52
Conover Road Elementary (3-5)	373	322	+51	253	+120
Cedar Drive Middle School (6-8)	616	369	+247	271	+345