Exhibit B

BALTIMORE COUNTY PUBLIC SCHOOLS

DATE: November 9, 2004

TO: **BOARD OF EDUCATION**

FROM: Dr. J. Hairston, Superintendent

SUBJECT: **SEPTEMBER 30 ENROLLMENT**

ORIGINATOR: J. Robert Haines, Deputy Superintendent, Business Services

RESOURCE PERSON(S): Don Dent, Executive Director, Planning and Support Operations

RECOMMENDATION

That the Board of Education accepts the September 30, 2004 enrollment count prepared by the Office of Strategic Planning.

Background Information: Each year, the official September 30 enrollment numbers are reported to MSDE and a report on the accuracy of enrollment projections is presented to the Board of Education. Annual enrollment data is analyzed each year and 10 year enrollment projections are developed.

Estimated Operating Funds Fiscal Impact: $N/A for FY _____
Possible Funding Source: _____

BALTIMORE COUNTY PUBLIC SCHOOLS

OFFICIAL ENROLLMENT AND PROJECTION ACCURACY

SEPTEMBER 30, 2004 ANNUAL REPORT

Prepared by the Baltimore County Public Schools

Office of Strategic Planning, October 2004

PROJECTION TIMELINE

- **Projections are based on official September 30 enrollment data**
- **Timeline**
  - July through September – Monitor enrollments weekly
  - October – Obtain September 30 enrollments, map students in GIS, reconcile enrollments to prior year projection, form countywide projection for next year
  - November – Develop preliminary 1 year projections by school, input from Area Executive Directors, finalize

PROJECTION TIMELINE
(continued)

- **Timeline**
  - December – Develop 10 year projections by school
  - January – Staffing discussions
  - March – Justify projections against Maryland Office of Planning Projections
  - April – Adjustments for Woodholme ES and affected schools

ENROLLMENT PROJECTION METHODOLOGY

- Projections are in total headcount, not Full Time Equivalency (FTE)
- Cohort survival model is the foundation for student enrollment projections
  - Accurate history greater than 10 years by school
  - Birth data by elementary school boundary
  - Analysis of trends to project student movement through grades
  - Accurate moving grade data (5-6 and 8-9) for accurate feeder school information

ENROLLMENT PROJECTION METHODOLOGY (continued)

- Linear regression is used as a 2nd methodology to proof projections
- Input solicited from Area Executive Directors and Principals to fine-tune projections
- Yield factors and development are used to assist selection of long-range projections
- Program movement and other factors are considered that impact enrollments
- Reconciled with State projections each spring to assure capital agenda alignment

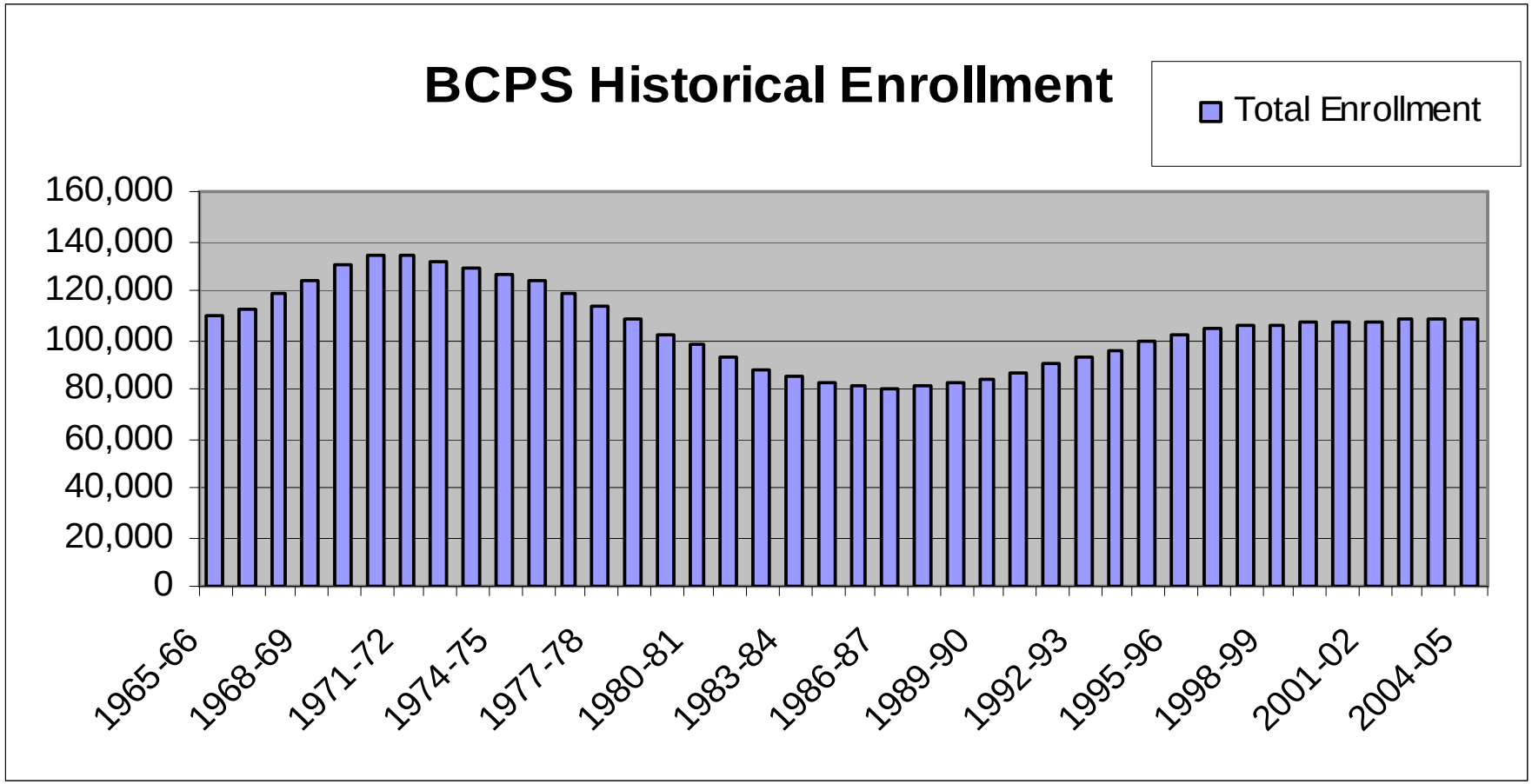
IMPROVEMENTS IN METHODOLOGY

- Process has been successfully used since 1998
- Continued updating and implementing of resources and data
- Continued and expanding communications with:
  - Maryland State Department of Education
  - Baltimore County Planning Office
  - Baltimore County Budget Office
  - Baltimore County Parks and Recreation
  - Baltimore Metropolitan Council

IMPROVEMENTS IN METHODOLOGY (continued)

- Progressive sharing of data and methodology with BCPS leadership, community groups, committees, PTA's, and BCPS leadership
- Progressive integration and accessibility of Geographic Information System
- Participation in Baltimore County Master Plan Process (e.g., Middle River Community Plan)

HISTORICAL ENROLLMENT DATA



LONG RANGE PROJECTION ACCURACY

System	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
1997	106385	106449	106351	106612	107010	107284	107593	107518	107571	107730						
1998		106550	106902	107242	107191	107219	107262	107423	107757	108075	108145					
1999			107300	107874	108293	108455	108807	109179	109570	109923	110146	110410				
2000				107360	108196	108637	109026	108952	109079	109173	109473	109714	110049			
2001					107440	108307	108385	108292	108280	108472	108663	108910	109365	109921		
2002						108850	110003	110548	110588	110616	110385	109760	109681	109556	109618	
2003							109230	110266	110550	110771	110540	110134	109816	109832	109669	109564
Actual	106300	106723	107133	107322	108604	108792	108015									

COUNTYWIDE ENROLLMENT AND PROJECTION HISTORY

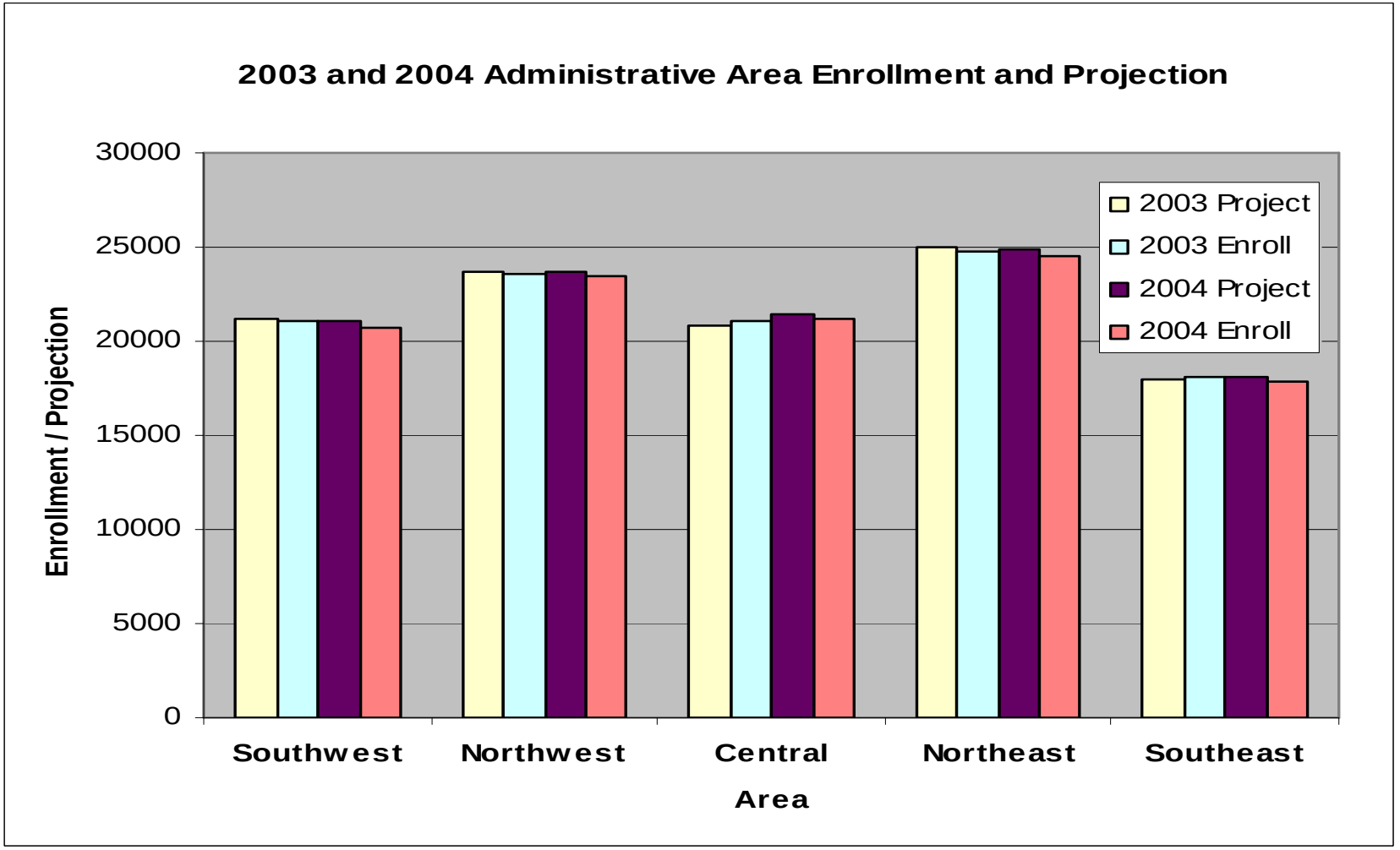
Year	Projection	Official Enrollment	+/- Projection	Accuracy
1999	106550	106723	173	99.84%
2000	107300	107133	-167	99.84%
2001	107360	107322	-38	99.96%
2002	107440	108604	1164	98.93%
2003	108850	108792	-58	99.95%
2004	109230	108015	-1215	98.89%

ADMINISTRATIVE AREA ENROLLMENTS AND PROJECTIONS

	2003 Projection	2003 Enrollment	+/- Projection	2003 Accuracy	2004 Projection	2004 Enrollment	+/- Projection	2004 Accuracy
Southwest	21167	21013	-154	99.27%	21027	20769	-258	98.77%
Northwest	23654	23603	-51	99.78%	23703	23413	-290	98.78%
Central	20878	21124	246	98.84%	21386	21185	-201	99.06%
Northeast	24982	24748	-234	99.05%	24839	24577	-262	98.95%
Southeast	17959	18142	183	98.99%	18113	17861	-252	98.61%
Miscellaneous	210	162	-48	70.37%	162	210	48	77.14%
Total	**108850**	**108792**	**-58**		**109230**	**108015**	**-1215**	

Miscellaneous students include home assignment (due to illness or discipline) and evening high school students. In projections, this number is assumed constant from the prior year.

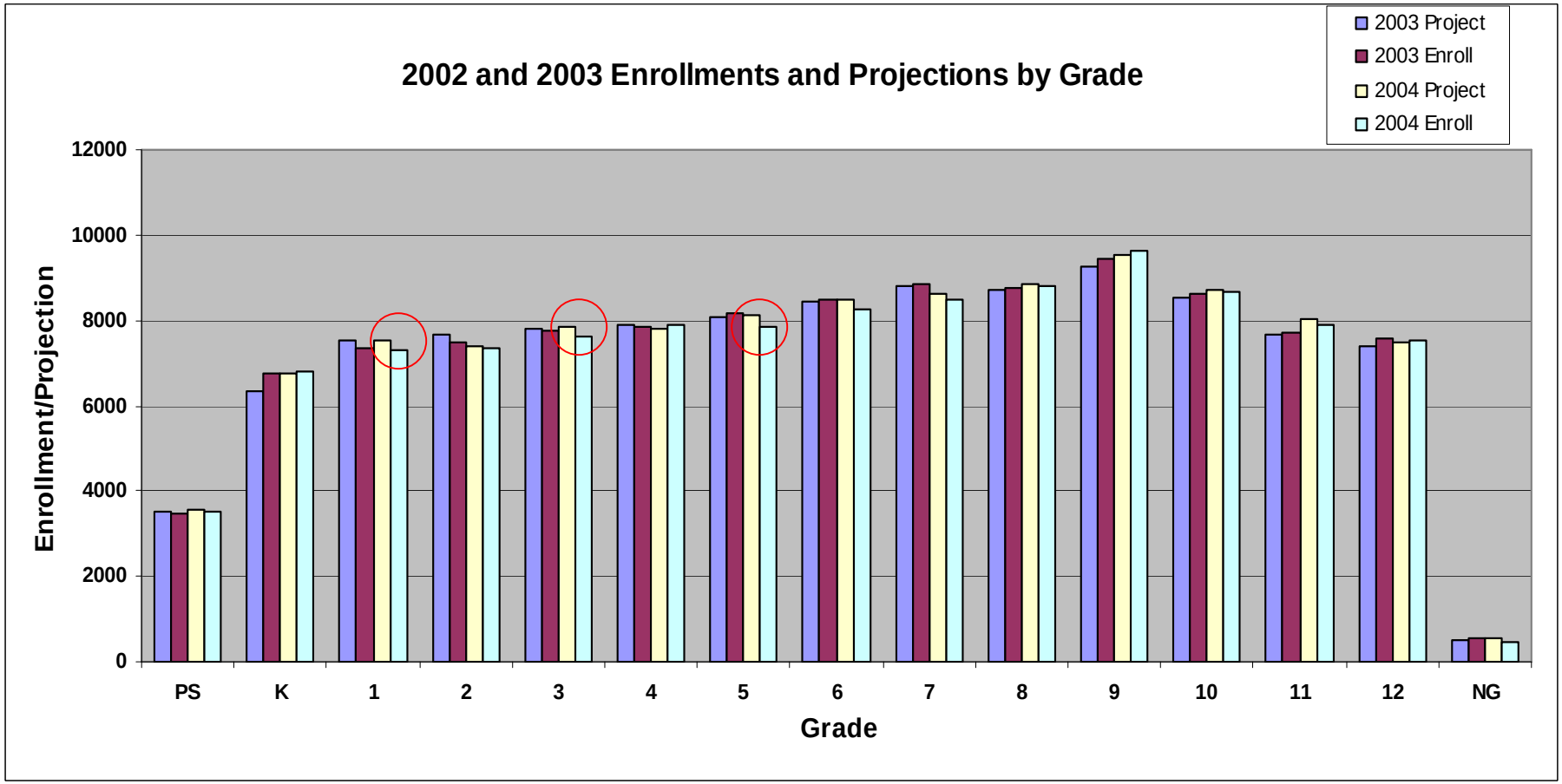
ADMINISTRATIVE AREA ENROLLMENTS AND PROJECTIONS



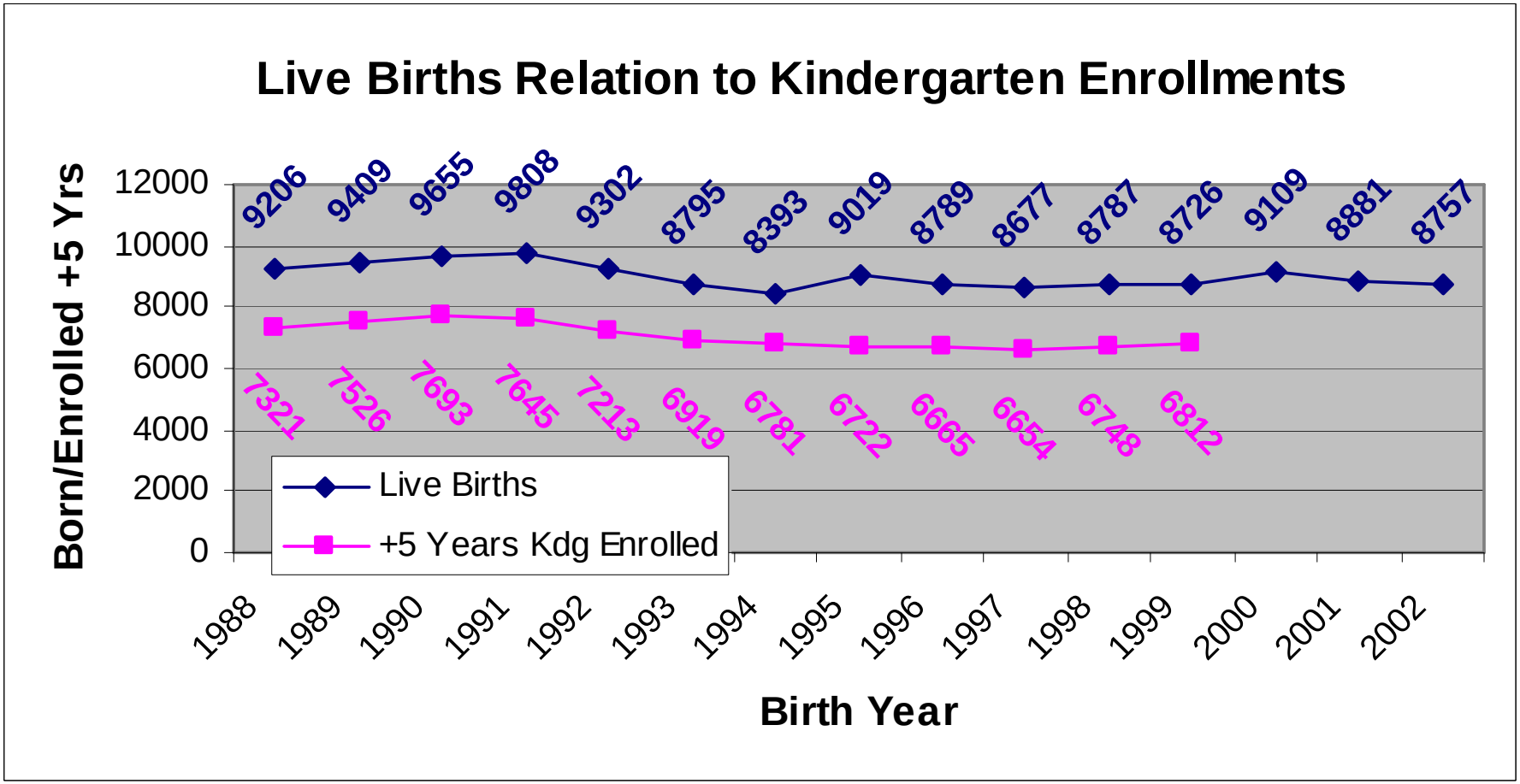
GRADE LEVEL ENROLLMENTS AND PROJECTIONS

	2003 Projection	2003 Enrollment	+/- Projection	2003 Accuracy	2004 Projection	2004 Enrollment	+/- Projection	2003 Accuracy
PS	3504	3469	-35	98.99%	3547	3512	-35	99.01%
K	6349	6748	399	94.09%	6737	6812	75	98.90%
1	7531	7325	-206	97.19%	7533	7289	-244	96.76%
2	7661	7484	-177	97.63%	7391	7363	-28	99.62%
3	7818	7753	-65	99.16%	7830	7597	-233	97.02%
4	7915	7841	-74	99.06%	7820	7911	91	98.85%
5	8098	8160	62	99.24%	8104	7842	-262	96.77%
6	8453	8483	30	99.65%	8506	8248	-258	96.97%
7	8819	8847	28	99.68%	8635	8477	-158	98.17%
8	8724	8777	53	99.40%	8864	8819	-45	99.49%
9	9273	9453	180	98.10%	9519	9637	118	98.78%
10	8545	8625	80	99.07%	8703	8663	-40	99.54%
11	7665	7710	45	99.42%	8014	7876	-138	98.28%
12	7385	7581	196	97.41%	7491	7520	29	99.61%
NG	503	536	33	93.84%	536	479	-57	89.37%

GRADE LEVEL ENROLLMENTS AND PROJECTIONS



BALTIMORE COUNTY BIRTHS AND KINDERGARTEN ENROLLMENT



FACTORS THAT INFLUENCE ENROLLMENT

- Residential development, housing market, housing trends
- Law and policy (e.g., House Bill 1230, Informal Kinship Bill, Title I Transfers, *Bridge to Excellence*, *No Child Left Behind*)
- Parent and student decision (e.g., magnet programs, special permission transfers, home schooling, private/parochial schools)
- Transition to Full-Day Kindergarten
- Program Changes - Special Education delivery models, Magnets, ESOL
- Demographic trends: inmigration, outmigration, and mobility
- Labor changes and economy

SUMMARY

- The stabilizing of BCPS Elementary enrollments is countywide, and not attributable to a single factor
- This stabilization is extremely fortunate for BCPS this year, 3,500 elementary capacity seats were lost as a result of Grade 1-5 class size reductions
- This leveling of enrollments was an anticipated trend
- The enrollment results support the recently-approved Capital Budget recommendations and their appropriate priorities
- Projections are within 0.11% of the accuracy goal

NEXT STEPS

- Office of Strategic Planning meetings with each Area Executive Director to discuss enrollments, projection, capacity, and proposed overcrowding solutions
- GIS analyses after student address file is coded, updating thematic maps included in the *Geography of Education*
- Develop 1 year and 10 year projections
- Woodholme ES boundary process, adjust projections after Woodholme ES boundary is finalized