2017

Feasibility Study

An Annual Review of Long-Term Capital Planning and Attendance Area Adjustment Options

Howard County Public School System

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Feasibility Study: An Annual Review of Long-Term Capital Planning and Attendance Area Adjustment Options

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June 2017

Howard County Public School System

Feasibility Study: An Annual Review of Long-Term Capital Planning and Attendance Area Adjustment Options

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Electronic copy of the 2017 Feasibility Study can be
found on the school system's website at www.hcpss.org.

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Howard County Public School System

Feasibility Study: An Annual Review of Long-Term Capital Planning and Attendance Area Adjustment Options

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Introduction

June 2017

Introduction

Each year the Board of Education (Board) of the Howard County Public School System (HCPSS) reviews capital planning options and boundary adjustment scenarios through a feasibility study. The report has four goals:

1. Inform the long-term planning process.
2. Facilitate discussion of decisions that may lay ahead.
3. Provide strategic information to the school system.
4. Prepare for scheduled school boundary adjustments.

The annual student enrollment projection is introduced in this report, along with scenarios that are intended to provide a comprehensive look at suggested capital additions, renovations, and any attendance area adjustments that are anticipated within the ten-year Capital Improvement Program period. Plans examined in this document may only be implemented through the Board's approval of both the capital budget and any change to current school attendance areas. This report is the starting point for the annual process of developing the capital budget.

Experience has shown that by presenting this report annually, assumptions and trends can be given consideration on a regular basis and appropriate adjustments can be made to the capital budget or attendance area adjustment plans. New plans may be needed to react to population shifts or new residential development. This document makes note of scenarios that may be developed in future attendance area review processes. Full plan assessments will then be made in a future report prior to Board deliberation to show how those plans conform to Board policy.

Annual enrollment projections are used in short-term decision making, such as determining staffing and supplying schools. The allocation of relocatable classrooms is also made using projections. The projection is presented in a format similar to the Adequate Public Facilities Ordinance (APFO) chart. The "pre-measures" chart shows the effect of projected enrollment with capacity projects included in the Board Approved FY 2018 Capital Budget. The "post-measures" chart gives a preliminary view of projected enrollment with new or accelerated capital projects recommended in this report.

Projects in the Capital Improvement Program that increase student capacity will be tested in the feasibility study with an attendance area adjustment plan consistent with Board Policy 6010. Plans will be linked within and across organizational levels to form a short- and long-range attendance area adjustment plan. The Board will review the plan and set direction. In years when attendance area adjustments are anticipated, the Attendance Area Committee will evaluate the plan, providing review and comment to the Superintendent. At this time, school boundary adjustments are recommended for implementation in August of 2018 and will include the opening of New Elementary School #42 (ES #42), as well as elementary, middle and high school comprehensive adjustments.

The Office of School Planning maintains a portion of the HCPSS website with information relevant to the process. During attendance area adjustments the School Planning page is frequently updated with maps, reports, and meeting summary notes.

Section 2

Executive Summary

June 2017

Executive Summary

This feasibility study is an annual report containing projected student enrollment and feasible school boundary adjustments in compliance with Policy 6010 – School Attendance Areas. Since new capacity, either as additions or new facilities, factors into these considerations, this document forms the basis for the development of the Capital Improvement Program (CIP). The following sections highlight continuing considerations included in this Feasibility Study. In September 2017, the FY 2019 Superintendent's Proposed Capital Budget will be presented, which includes the five-year CIP. The additions and new schools approved as part of the FY 2018–2027 Long-Range Master Plan are included in the assumptions for this document.

The past three years were marked with constraints to local capital funding and it is anticipated for this trend to continue. This comes despite recently approved general plan amendments and strong enrollment growth. Responding to these constraints requires adjustment to the long-range plan and perhaps school attendance area adjustments. Every effort is made during the budget process to preserve existing capacity projects. This document provides some adjustments and interim measures.

This document is a planning document and presents a single staff recommendation. The recommendation is presented for review and is not final. Other scenarios may develop in the attendance area review process, which starts in June 2017. The school boundary adjustment plans (Plans) include assessments in an attempt to show how a Plan presented compares to the fourteen (14) policy considerations found in Policy 6010. School boundary adjustments approved by the Board of Education in November of 2017 will be implemented in school year 2018–2019.

Recommendations for implementation in the 2018-2019 school year include:

1. Consider increasing the capacity for the Elementary School Education Specifications from 600 to 788.
2. Adjust elementary school boundaries to accomplish the following:
   - open New Elementary School #42 for SY 2018–2019;
   - utilize western school capacity to balance utilization in the north and West Columbia; and
   - utilize new capacities at Waverly ES and Swansfield ES to balance utilization in northern and Western Columbia areas.
3. Consider options to better utilize West Friendship ES, including an interim capital investment to help defer a new elementary school in the vicinity.
4. Consider additional capacity in the Northern region to absorb the projected population growth.
5. Adjust school boundaries at the middle school level to balance capacity utilization as well as align middle school feeds (from elementary school). Continue planning for additional capacity at Dunloggin MS and Ellicott Mills MS.
6. Adjust school boundaries at the high school levels to balance capacity utilization and align high school feeds (from middle school). Continue to plan for HS #13.

Section 3

Planning Considerations

This section identifies planning assumptions and considerations. The annual projection is developed with assumptions about enrollment growth that have evolved over the years. Other planning considerations involve implications for capital facilities. Some of the previous planning assumptions have been adjusted, while others have been added for this study. This section presents a discussion of the major components and adjustments included in this year's planning considerations.

Policy Guidance

The feasibility study is guided by Policy 6010 School Attendance Areas (Appendix A). CIP projects increasing student capacity are tested in the Feasibility Study with attendance area adjustments consistent with goals of Policy 6010. Plans developed are linked within and across organizational levels to establish short- and long-range attendance area adjustments. The Board is responsible for reviewing the Feasibility Study and sets forth the direction as appropriate through the yearly capital budget process. Policy 6010 recommends consideration of attendance area adjustments under six (6) conditions such as the opening of a school, program changes, or when projected school capacity utilization is outside the target utilization over a period of time.

School boundary adjustments are planned for SY 2018–2019. When school boundary adjustments are planned, staff refines the short- and long-range plan in the feasibility study based on the most current student enrollment projection. The Superintendent will appoint an Attendance Area Committee to test alternate scenarios consistent with the direction set by the Board and the standards and factors in Policy 6010. Plans may be presented in regional meetings and various methods will be used to collect additional input from the public. A Superintendent's plan that takes into account previous staff, committee, and community input is presented to the Board in October.

The Board evaluates the Superintendent's plan according to the standards of Policy 6010, which are found in Standards Section B in Attachment A. In the Board's deliberations, new scenarios using these considerations may be reviewed, assessed, and considered. It is unlikely that one plan can fully satisfy all considerations.

Thomas Viaduct MS opened in August of 2014

Alignment with Strategic Plan

Vision 2018: *Fulfilling the Promise of Preparation* is the strategic plan to build an educational program that is among the best in the world. The feasibility study supports achievement Vision 2018.

The anticipation of growth trends and planning for adequate permanent or temporary space is needed to serve student needs. When attendance area changes are necessary, a student-centered transition process is provided to welcome the students to the new school. These efforts are made to ensure every student achieves academic excellence in an inspiring, engaging, and supportive environment.

Construction of New ES #42.

Crucial decisions about budget and attendance areas must be the result of an open process that includes many stakeholders. Board decisions need to be informed by both the technical guidance of staff, and the concerns and desires of the families and community. For this reason, the Office of School Planning maintains an extensive web presence and supports many meetings of committees, PTAs, and other community groups. It is also necessary that the Office serves as a liaison to various county and state agencies to communicate agency direction. These efforts ensure that families and the community are engaged and supported as partners in education.

Figure 3.1 Strategic Plan Strategies Relevant to Feasibility Study

1.4.6 Configure physical space to facilitate learning.
2.1.2, 3.1.3, 4.6.2 Consistently include representatives from stakeholder groups in planning processes to inform school system actions and decisions.
2.1.6 Provide timely, relevant, and easily accessible information.
3.3.2 Tailor communications to user needs.
4.4.1 Utilize technology tools that are intuitive, efficient, effective across platforms, and requirements-driven in a standardized environment.
4.4.2 Streamline and automate organizational processes in alignment with industry best practices.
4.5.1 Refine central services to streamline operations, optimize efficiency and effectiveness, and facilitate collaboration.
4.5.2, 4.6.4 Utilize consistent performance management practices to plan, evaluate, and refine initiatives.
4.5.3 Implement continuous improvement practices, including quality control and process management, in every school and division.
4.6.1 Regularly consider research-based best practices.
4.6.3 Routinely benchmark with comparison organizations to analyze current practices and identify best practices.

Relationship to Capital Budget

Figure 3.2 Capital Budget and Attendance Area Adjustments Flow Chart

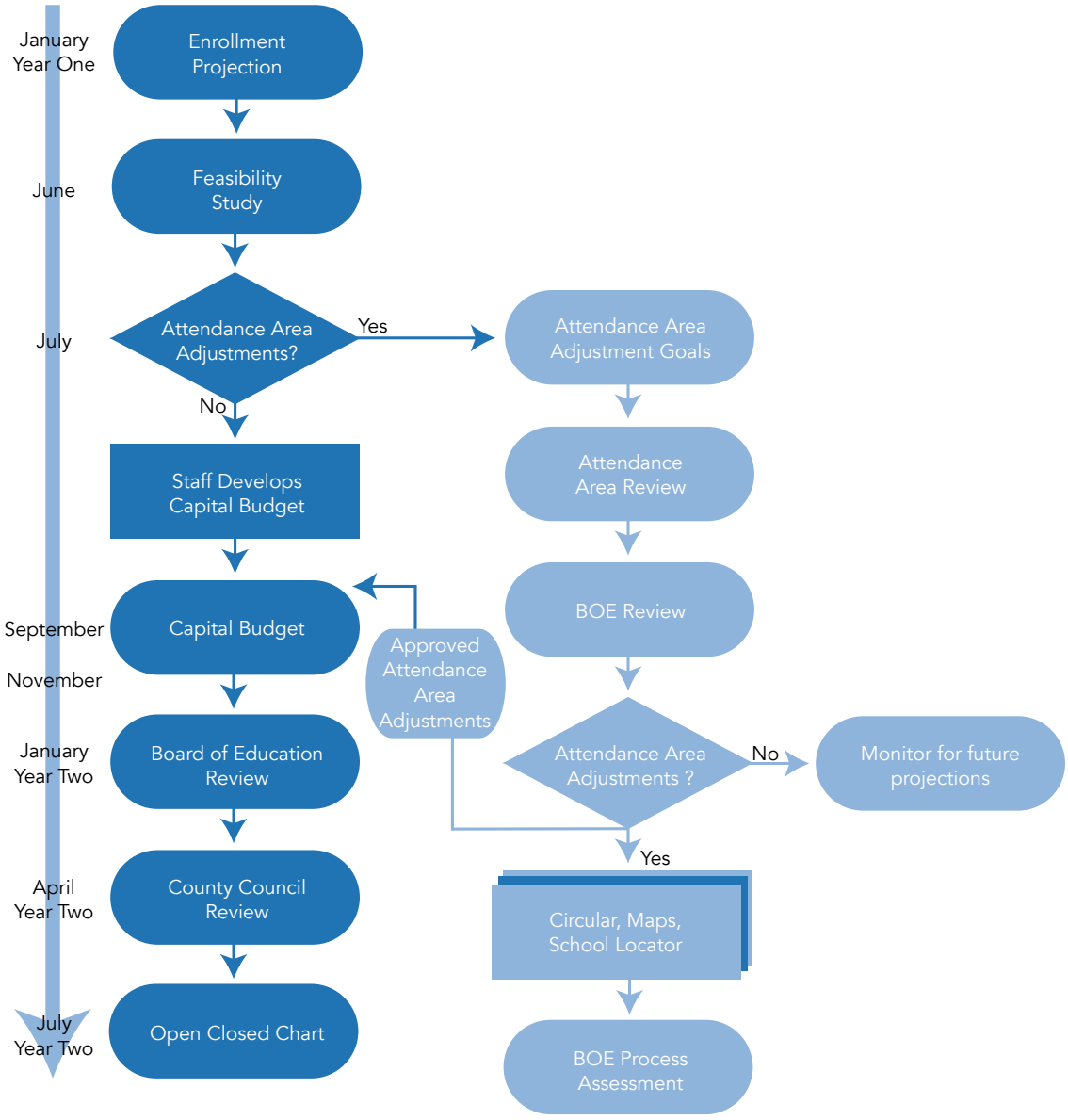


Figure 3.2 shows the school boundary adjustment process in the context of the capital budget. The feasibility study is presented as the capital budget is being prepared. The graphic shows that while school boundary adjustments may not take place annually, they are given consideration annually in the feasibility study. There are a number of ways to address enrollment growth. In some cases, new capacity or a capital project is the best solution. In other cases, a school boundary adjustment consistent with policy may allow better use of existing capacity. Sometimes a change to regional program location can open capacity. Relocatable buildings can also be used to relieve overcrowding. The process is ongoing but may be tracked through this document and the capital budget process.

Relationship to Capital Budget

The annual capital budget contains a Capital Improvement Plan (5-year plan) and Long-Range Master Plan (10-year plan). Figure 3.3 is a copy of the FY 2018–2027 Long-Range Master Plan from FY 2018 Board Approved Capital Budget. Capital projects are shown with anticipated funding phased out over future fiscal years. The Feasibility Study evaluates enrollment trends and discusses adjustments and changes that may be reflected in the CIP and Long-Range Master Plan.

Figure 3.3 Example of Long Range Master Plan

FY 2018-2027 Long-Range Master Plan

Board of Education's Approved — May 25, 2017

(In Thousands)

Project	Approved Appropriations	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	Total Approp. plus FY18-FY27 Request
Wilde Lake MS Replacement School	$ 43,377	$ 2,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 45,377
Patuxent Valley MS Renovation	28,035	1,500	-	-	-	-	-	-	-	-	-	29,535
Swansfield ES Renovation/Addition	22,495	4,407	-	-	-	-	-	-	-	-	-	26,902
Waverly ES Renovation/Phase II Addition*	13,359	17,396	3,000	-	-	-	-	-	-	-	-	33,755
New ES #42	17,333	18,658	8,132	-	-	-	-	-	-	-	-	44,123
Talbott Springs ES Replacement School	-	1,000	10,000	16,800	11,200	-	-	-	-	-	-	39,000
Oakland Mills MS Renovation*	-	-	10,000	10,828	7,000	-	-	-	-	-	-	27,828
New HS #13	-	-	-	10,950	28,250	27,200	26,500	19,325	-	-	-	112,225
New ES #43	-	-	-	5,380	20,166	22,125	8,124	-	-	-	-	55,795
Ellicott Mills MS Addition	-	-	-	-	-	-	544	5,404	-	-	-	5,948
Hammond HS Renovation	-	-	-	-	-	-	2,800	25,748	17,099	15,099	11,099	71,845
New ES #44	-	-	-	-	-	-	-	5,380	23,099	17,906	9,410	55,795
New ES #45	-	-	-	-	-	-	-	-	-	5,380	15,166	20,546
Systemic Renovations/Modernizations	239,664	16,055	34,805	30,472	31,073	32,389	59,911	40,661	42,694	44,829	47,070	619,623
Roofing Projects	45,537	-	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	90,537
Playground Equipment	2,680	250	300	300	300	300	300	300	300	300	300	5,630
Relocatable Classrooms	18,910	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	33,910
Site Acquisition & Construction Reserve	20,836	-	-	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	36,836
Technology	39,486	2,500	5,500	5,500	5,500	7,500	7,500	7,500	7,500	7,500	7,500	103,486
School Parking Lot Expansions	4,200	-	-	600	600	600	600	600	600	600	600	9,000
Planning and Design	600	-	300	300	300	300	300	300	300	300	300	3,300
Barrier Free	5,628	-	200	200	200	200	200	200	200	200	200	7,428
TOTALS	**$ 502,140**	**$ 65,266**	**$ 78,737**	**$ 89,830**	**$ 113,089**	**$ 99,114**	**$ 115,279**	**$ 113,918**	**$ 100,292**	**$ 100,614**	**$ 100,145**	**$ 1,478,424**

* Partial planning funds received in Systemic Renovation Project

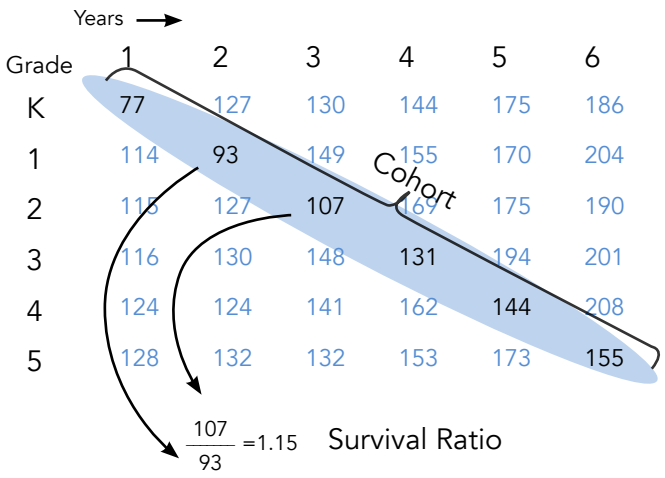
Ten-Year Long-Range Master Plan = $976,284

Enrollment Projections

Projections used for this study were generated in the spring of 2017. The projection methodology used by the HCPSS is based on historic cohort survival ratios—the number of students in a "cohort" that "survive" from one grade level to the next. In Figure 3.4, a cohort-survival ratio is calculated from historic data. The rate of 1.15 can be used to predict how many second graders will result from the previous year's first graders. Ratios from multiple years and all grade transitions are calculated for each school. Other effects, such as housing yields and apartment turnover, are added to the projection. These variables are combined to project enrollment for each school for September 30 of each future year.

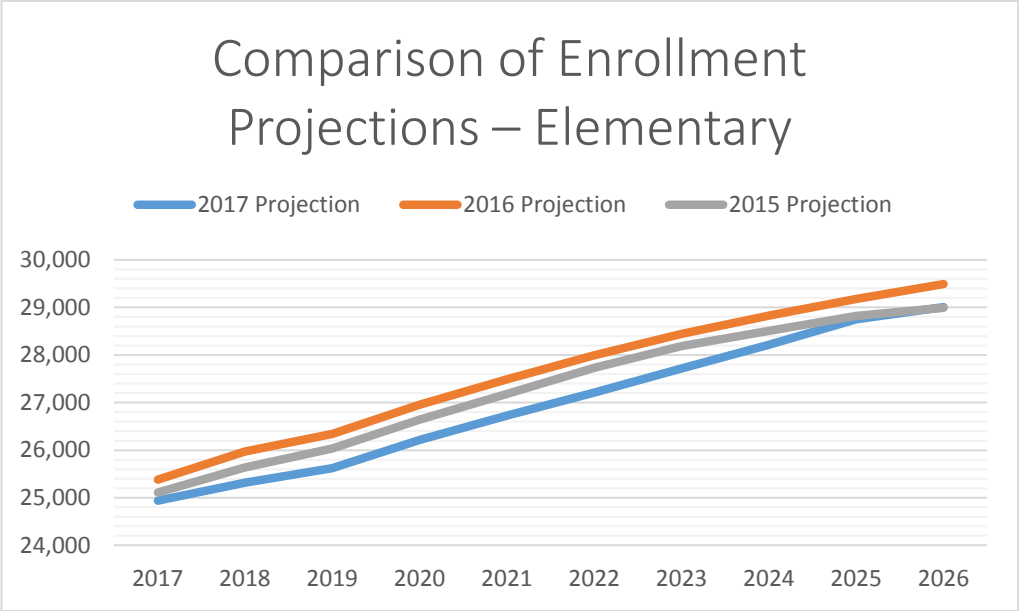
The projection is presented out to 2028 in Section 6 of this document. Certain decisions, such as site acquisition are appropriately informed by the latter part of the projection. Planning issues may become apparent by comparing the current projection to those made in previous years. The following charts use a ten-year series and present three consecutive annual projections.

Figure 3.4



As shown in Figure 3.5, the 2017 elementary projection includes a similar rate of enrollment growth in the near-term, while trending towards a slightly lower enrollment in the long-term view. The trend in the 2017 projection is for elementary enrollment to increase by 4,000 students by 2026. As a result of this enrollment growth, the capacity utilization of all elementary schools combined will begin to exceed 110 percent by 2024 if new elementary schools are not built. Projects approved as part of the FY 2018 CIP can absorb most of this growth.

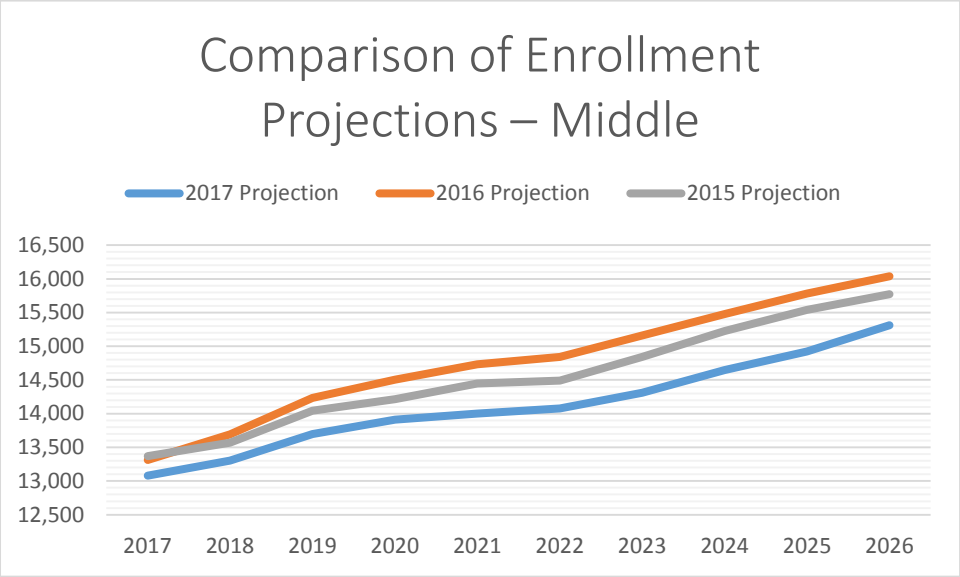
Figure 3.5 Comparison of Three Enrollment Projections - Elementary



Enrollment Projections

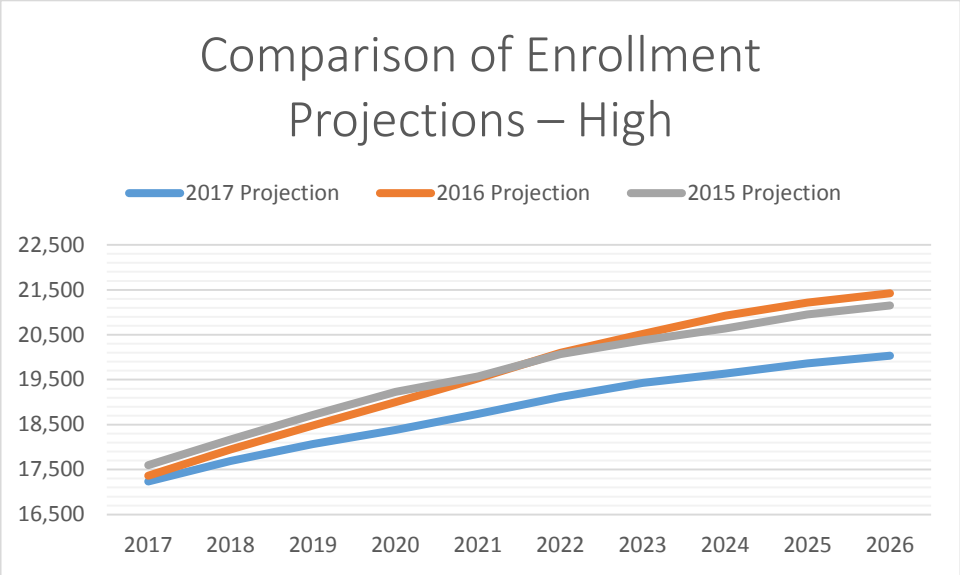
As shown in Figure 3.6 below, the middle school enrollment projection is expected to increase by 2,200 student by 2026. The 2017 middle school enrollment growth is lower than the 2015 and 2016 in long-term growth. As a result of this enrollment growth, the combined capacity utilization of all middle schools will begin to exceed 110 percent beyond 2026. Most of the projected growth is in the east, and based on the long-term growth trends, strategic capacity projects should be considered for the middle school needs.

Figure 3.6 Comparison of Three Enrollment Projections - Middle



High school enrollment is projected to increase by nearly 2,800 student by 2026, as shown below in Figure 3.7. As a result of this growth, the combined capacity utilization of all high schools will begin to exceed 110 percent beyond 2022. Similar to the middle school growth, high school growth is in the eastern portions of the county. Based on the long-term growth trends, land should be banked for the future high school needs in the eastern county.

Figure 3.7 Comparison of Three Enrollment Projections - High

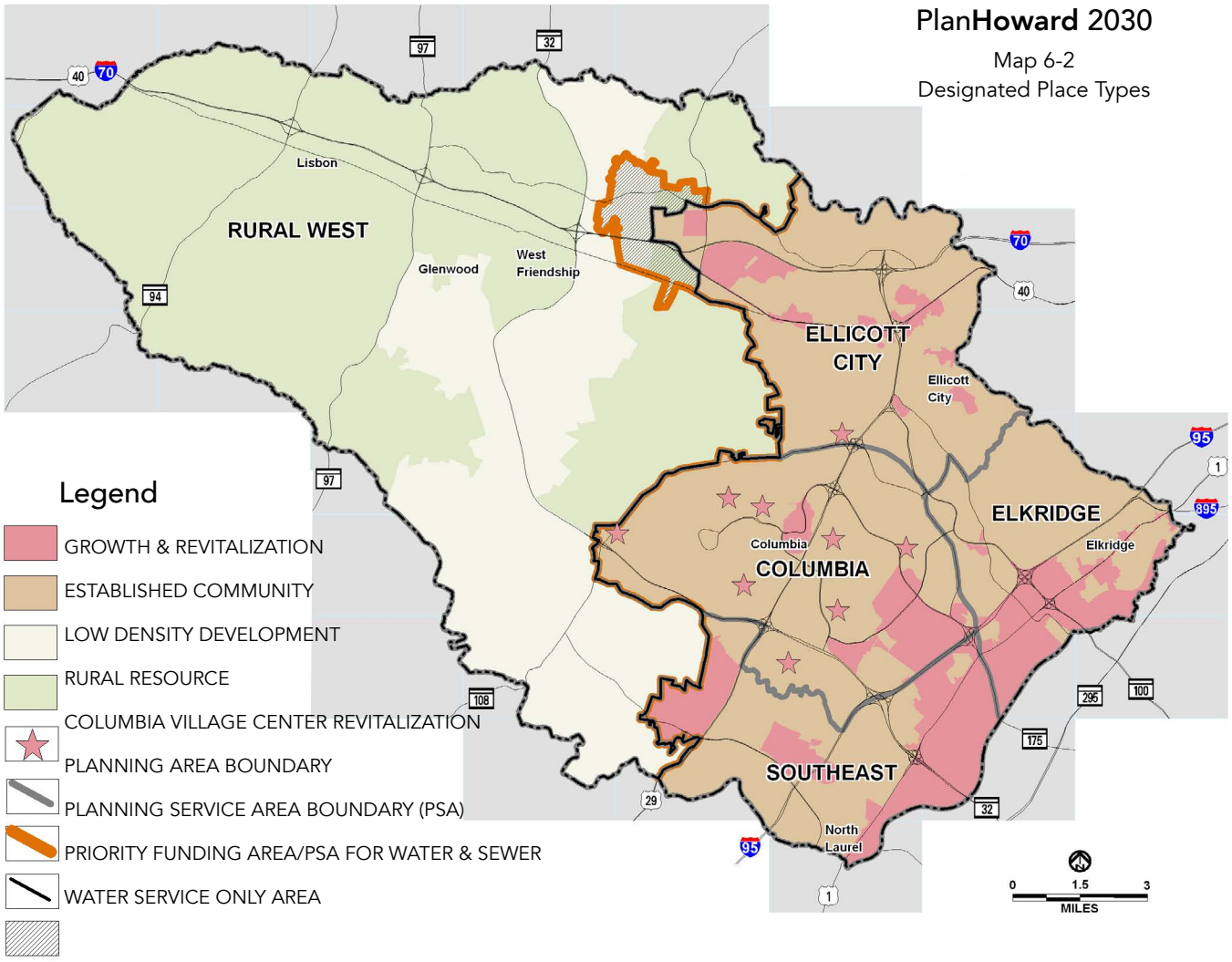


Land Use

Development is guided by the Howard County General Plan and implemented with zoning. "PlanHoward 2030," the Howard County General Plan, sets priorities for growth and was adopted by the County Council in July 2012. Comprehensive zoning took effect in October 2013. As a result, new development is expected to affect future school planning. Land use and other regulatory changes were not anticipated in the projections used for the boundary adjustments to open Ducketts Lane ES. The new land use changes are captured in the annual projection to facilitate analysis of options in this document and the capital budget.

The General Plan included the adoption of a designated places map. Figure 3.8 depicts the Plan Howard Designated Places map. Most future development, and anticipated school needs, are planned where the map shows "Growth and Revitalization" areas in pink. Generally these are in the eastern part of the county and Columbia's Village Centers. Projected enrollment growth provided in this document is associated with the future development.

Figure 3.8 Plan Howard 2030 Designated Places Map



Land Use

The FY 2018–2027 Long-Range Master Plan includes funding requested for new construction of four elementary schools, one high school, and strategically placed middle school additions. Despite projections indicating these five new schools are needed, capital funding will likely be constrained in the next few years.

The timing of residential development depends upon actual land development applications, which can change. Projections are adjusted yearly to account for phasing of the new residential development. The Department of Planning and Zoning provides the Office of School Planning with the number of existing and projected housing units in the county. Future housing is calculated using a software tool that simulates the residential build-out of the County's remaining undeveloped, residentially-zoned properties under real-world conditions. Constraints imposed by current zoning of properties, the logistics of residential construction, and the growth limits of the County's General Plan are included in the housing projection. The output from this simulation informs the enrollment projection.

Figure 3.9 Residential Development

Oxford Square construction.

Verde apartments at Howard Square.

Maple Lawn section shown in 2013 (left) and 2015 (right).

Capacities

Equitable evaluation of the impact of projected enrollment growth requires calculation of school capacities. Capacities are not necessarily fixed to the capacity designed when a building first opened. Change in uses, programs, and standards can change capacity. Capacity methodologies have been recently reviewed at all three levels. The feasibility study expresses the projected enrollment by level and by school as a function of capacity utilization. Utilization is the comparison of a facility's program capacity and its enrollment or projected future enrollment. In the Pre- and Post-Measure Tables (Section 6), the effect of considered capacity projects, feasible boundary adjustments, or regional program moves on utilization are depicted.

The example below from the 2015 Feasibility Study, illustrates how capacity is shown in these tables. Figure 3.10 shows the effect of the larger capacity of the Wilde Lake MS replacement school. The capacity columns show the number of seats, which changes from 467 to 760 in 2017 when the replacement school opened. The corresponding calculation of the percentage utilization also changes, dropping from 128.3 percent to 85.3 percent in 2017.

Figure 3.10 Capacity Chart Example

Post-Measures

Aggregate Plan

Chart reflects May 2015 Projections, Board of Education's FY 2017 Requested capacities and estimate

		Capacity				2016-17			2017-18		
Columbia - East		**2016**	**2017**	**2018**	**2019**	**Proj**	**% Util.**		**Proj**	**% Util.**	
Lake Elkhorn MS		643	643	643	643	503	78.2		548	85.2	
Oakland Mills MS		506	506	506	506	434	85.8		438	86.6	
Region MS Totals		1149	1149	1149	1149	937	81.5		986	85.8	
Columbia - West											
Harpers Choice MS		506	506	506	506	574	113.4		595	117.6	C
Wilde Lake MS	R	467	760	760	760	599	128.3	C	648	85.3	
Region MS Totals		973	1266	1266	1266	1173	120.6	C	1243	98.2	

High school program capacities are a product of either 80 or 85 percent of the total number of teaching stations multiplied by 25 students. This calculation excludes special education classrooms and special use rooms. Not all teaching stations can be scheduled for every period of the school day and, therefore, special use teaching stations may not be adaptable for academic programs even if the space is available.

Middle school program capacities are a product of 95 percent of the total number of teaching stations multiplied by 20.5 students, exclusive of special education classrooms. Like high schools, not all teaching stations can be scheduled for use every period of the school day.

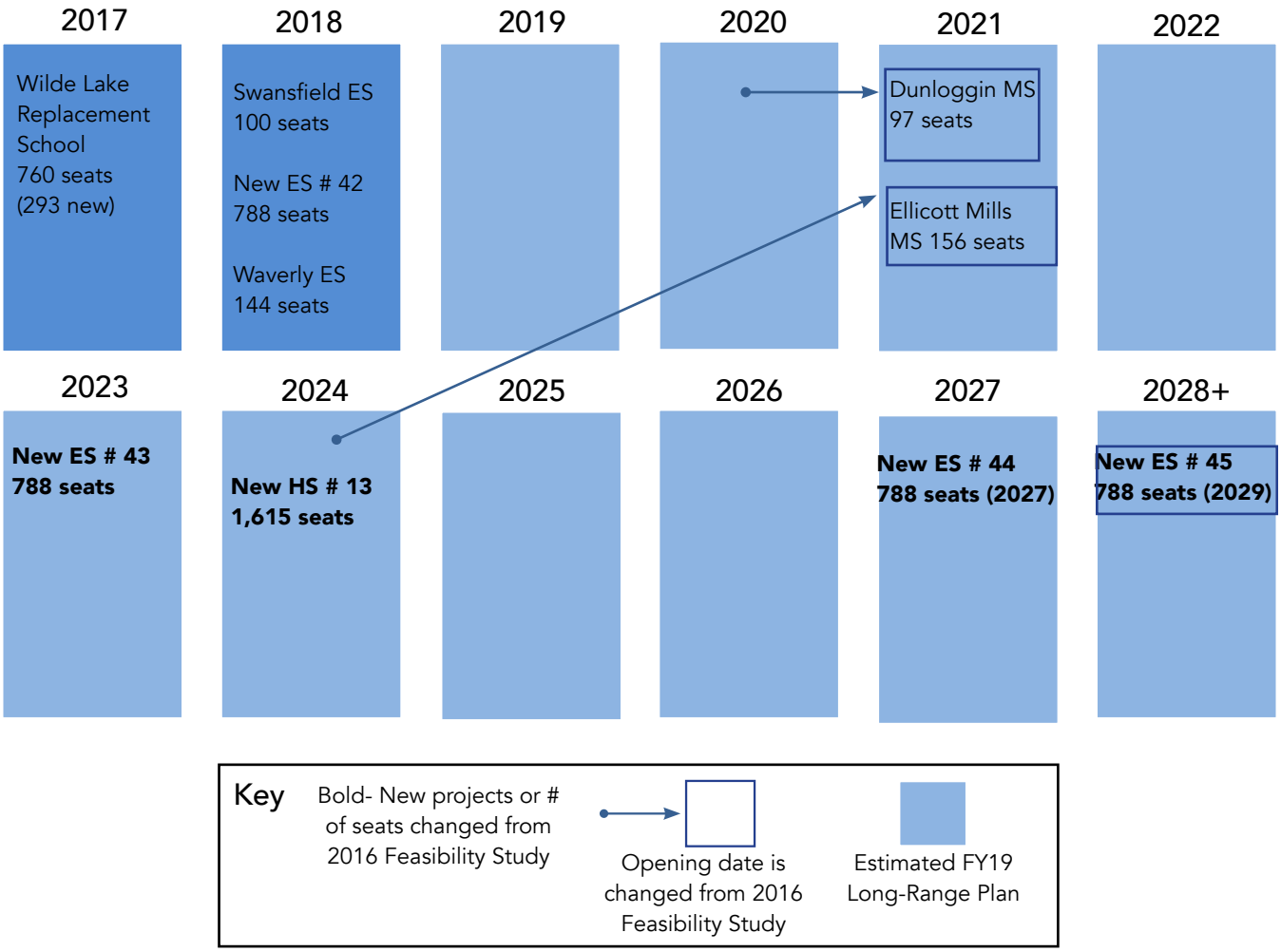
Elementary school program capacities are based on 22 students for each Kindergarten classroom, 19 students for each classroom in Grades 1 and 2, and 25 students for each classroom in Grades 3–5. Elementary school special education classroom capacities are established by the mandated student/teacher ratios for the various programs. Not included in the capacities for elementary schools are resource/instructional spaces that are utilized on a schoolwide basis where no one group of students

Capacities

is assigned exclusively. Some examples of spaces not included in the capacity are gymnasiums, cafetoriums, art rooms, music rooms, media centers, gifted and talented rooms, or rooms dedicated to regional programs such as Regional Early Childhood Centers or Pre-K.

The FY 2019 Capital Budget will include updates to the long-range plan. Figure 3.11 below shows changes in capacity projects from the 2016 Feasibility Study to develop the 2017 Feasibility Study.

Figure 3.11 Capacity Projects



HCPSS Facilities and Land Bank

The HCPSS maintains well over seven million square feet of school facilities and other buildings in service of delivering the educational program and for use by the community. This document examines utilization of the 73 elementary, middle, and high schools, and anticipates future schools.

HCPSS School Facilities

76 schools
- 41 elementary schools
- 20 middle schools
- 12 high schools
- 3 education centers

The HCPSS maintains sites for future school construction, commonly known as the "Land Bank." Some properties are held by other parties for the future use by the Board for school construction and when needed, the Board may utilize these properties. Most existing school site reservations result from agreements made during Columbia planning and development. Howard County has aided the school system in the past through exchanges of county land where needed. Opportunities for additions to the land bank in eastern Howard County to host projects noted in Figure 3.11 on page 15 are under consideration. An elementary school site is also sought to accommodate Turf Valley development. The HCPSS is working with Howard County Government to acquire land along the Route 1 Corridor and other areas of identified growth. Figure 3.12 shows the inventory of school sites presented in the annual capital budget:

Figure 3.12 Land Bank

Owned Sites	Acreage	Location	Date Acquired	Cost
Sunny Spring Drive	10	Sunny Spring Drive	1974	$1.00
Future MS Site	41	2865 Marriottsville Road	2007	$1,700,000
New ES #42 Site	28 (combined)	7030 Banbury Drive	2013	$4,200,000
Faulkner Ridge Center	9.01	Marble Faun Lane	1968	$1.00

Figure 3.13 Reserved Sites

Reserved Sites	Acreage	Location
Clary's Forest	10	Little Patuxent near Bright Passage
Dickinson	11	Eden Brook Drive and Weather Worn Way
Dickinson	20	Sweet Hours Way east of Eden Brook Drive
Hopewell	10	Rustling Leaf and Deepage Drive
Huntington	11	Vollmerhausen Road east of Murray Hill Road

Section 4

Needs and Strategies

Prior to examining future school boundary adjustments, it is necessary to review the implications of the new projection and identify needs and potential strategies. When school capacity utilization is outside of the acceptable range per Board Policy (90–110 percent), school boundary adjustments may be considered.

June 2017

Elementary Schools Columbia East Region

Need:
No capacity is needed in the short term.

Strategy:
Continue to monitor enrollment projections in future feasibility studies. Most schools in this region will remain within target capacity utilization. Capacity increasing projects have been completed at Thunder Hill ES, Phelps Luck ES, and Stevens Forest ES. Thunder Hill ES will experience some crowding despite school boundary changes and a capacity project. Projections indicate Talbott Springs ES has some crowding. A planned renovation may be an opportunity to gain capacity depending on renovation design and funding availability. Relocatable classrooms have been installed and the enrollment will continue to be monitored. Minor adjustments within the Columbia East attendance areas are suggested to remove non-contiguous school attendance areas, balance capacity within the region and align feeds. Complete details are outlined in Section 5 of this report. Maps detailing changes can be found in Appendix C.

Expanded Pre-K options have been considered for this region. In future capital budget discussions, this concept will be monitored.

Figure 4.1
Elementary schools of the Columbia East Region

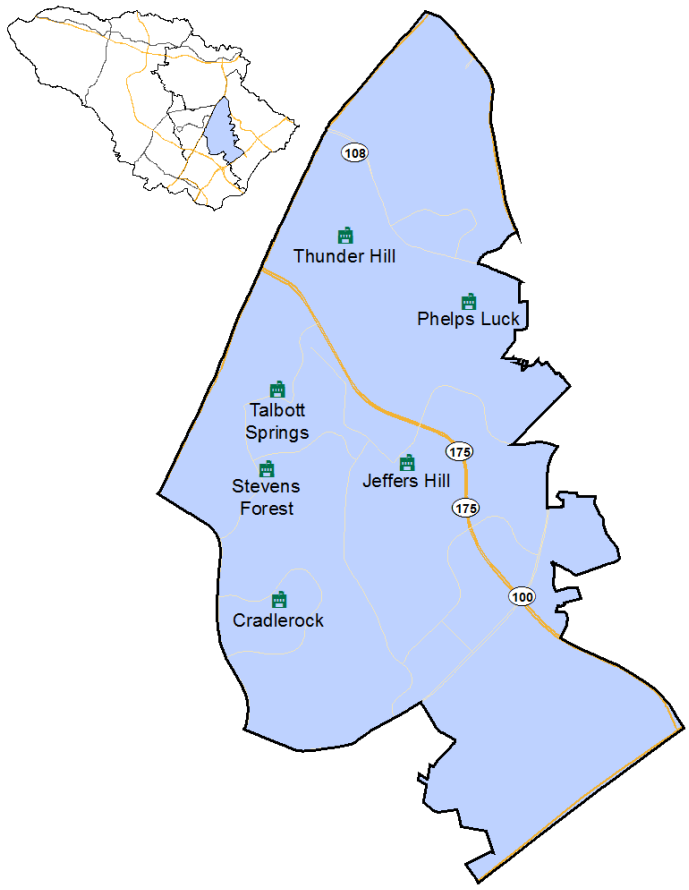


Figure 4.1 Five Year projected utilization (excluding attendance area adjustments)

Columbia East	2017 Projected Pop.	Capacity	2017 Projected Utilization	2022 Projected Pop.	Capacity	2022 Projected Utilization
Cradlerock ES	430	398	108.0	351	398	88.2
Jeffers Hill ES	444	421	105.5	432	421	102.6
Phelps Luck ES	586	616	95.1	664	616	107.8
Stevens Forest ES	408	399	102.3	424	399	106.3
Talbott Springs ES	447	377	118.6	436	377	115.6
Thunder Hill ES	567	509	111.4	507	509	99.6
(Region ES Totals)	**2,882**	**2,720**	**106.0**	**2,814**	**2,720**	**103.5**

Elementary Schools Columbia West Region

Need:
The region is projected to have enough capacity through 2020 despite growth at Running Brook ES.

Strategy:
Adjust school boundaries to alleviate overcrowded conditions. Despite capacity investments within the Columbia West Region, Running Brook ES, Bryant Woods ES, and Clemens Crossing ES are expected to outgrow capacity. With the 2018 opening of the Swansfield ES addition, use of this capacity with school boundary adjustments is recommended. The staff proposed attendance area adjustments take advantage of school capacity at Swansfield ES, Clarksville ES, and Pointers Run ES. Complete details are outlined in Section 5 of this report. Maps detailing changes can be found in Appendix C.

Figure 4.2
Elementary schools of the Columbia West Region

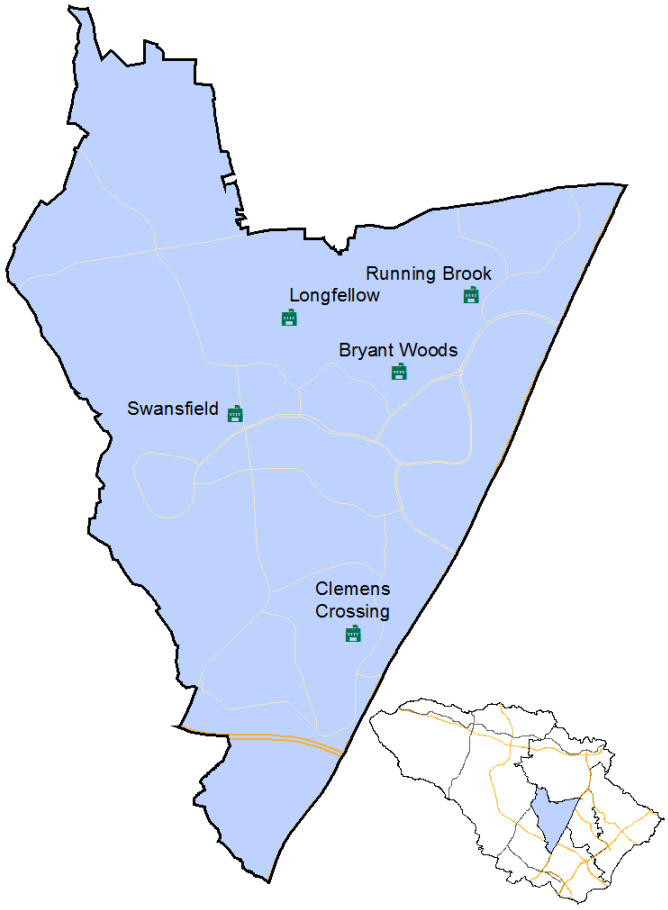


Figure 4.2 Five Year projected utilization (excluding attendance area adjustments)

Columbia West	2017 Projected Pop.	Capacity	2017 Projected Utilization	2022 Projected Pop.	Capacity	2022 Projected Utilization
Bryant Woods ES	418	361	115.8	404	361	111.9
Clemens Crossing ES	542	521	104.0	694	521	133.2
Longfellow ES	416	512	81.3	392	512	76.6
Running Brook ES	497	515	96.5	771	515	149.7
Swansfield ES	618	521	118.6	658	621	106.0
(Region ES Totals)	**2,491**	**2,430**	**102.5**	**2,919**	**2,530**	**115.4**

Elementary Schools Northeastern Region

Need:
The region is projected to have adequate capacity until 2021.

Strategy:
Adjust school boundaries to open ES # 42 in SY 2018–2019. Capacity utilization at Ducketts Lane ES will remain over 110 percent capacity utilization, even with the relocation of regional programs. The region will exceed 115 percent and require approximately 1,000 additional seats with crowding in subsequent years. The school boundary adjustment plan shown in Section 5 of this report is comprised of portions of Ducketts Lane ES, Rockburn ES, and Deep Run ES. This adjustment subsequently opens capacity at Rockburn ES to relieve Bellows Spring ES. Complete details are outlined in Section 5 of this report. Maps detailing changes can be found in Appendix C.

Figure 4.3
Elementary schools of the Northeastern Region

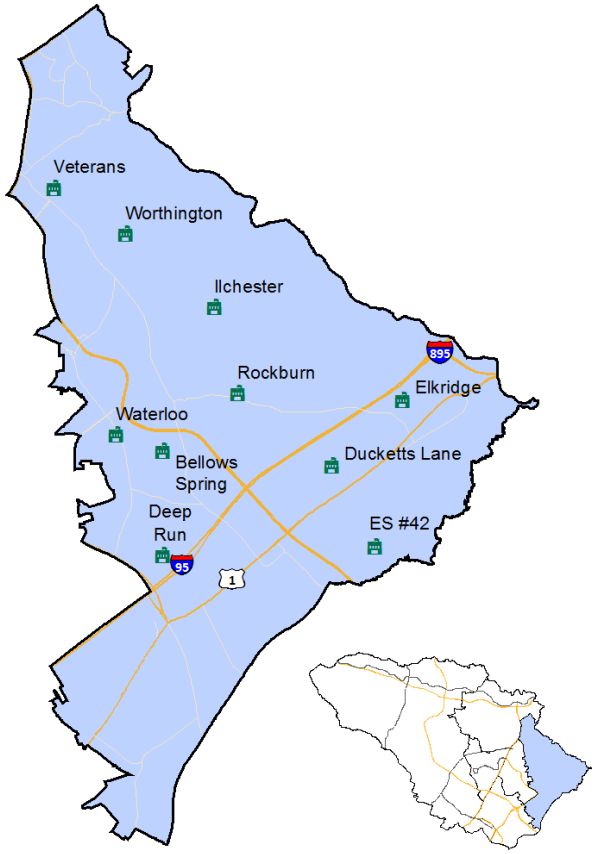


Figure 4.3 Five Year projected utilization (excluding attendance area adjustments)

Northeastern	2017 Projected Pop.	Capacity	2017 Projected Utilization	2022 Projected Pop.	Capacity	2022 Projected Utilization
Bellows Spring ES	711	751	94.7	936	751	124.6
Deep Run ES	772	750	102.9	917	750	122.3
Ducketts Lane ES	867	770	112.6	1,589	770	206.4
Elkridge ES	826	760	108.7	739	760	97.2
Ilchester ES	604	653	92.5	546	653	83.6
Rockburn ES	677	653	103.7	767	653	117.5
Veterans ES	872	821	106.2	886	821	107.9
Waterloo ES	555	663	83.7	552	663	83.3
Worthington ES	500	590	84.7	408	590	69.2
(Region ES Totals)	**6,384**	**6,411**	**99.6**	**7,340**	**6,411**	**114.5**

Elementary Schools Northern Region

Need:

The region is currently over 110 percent capacity utilization with enrollment growth projected at four (4) out of six (6) schools.

Strategy:

Adjust school boundaries to alleviate overcrowding at Manor Woods ES and continue planning for new capacity in the Turf Valley area. Growth at Centennial Lane ES, Hollifield Station ES, Manor Woods ES, and St. John's Lane ES is projected to continue. With the 2018 opening of the Waverly ES Phase II addition, this capital improvement can provide interim relief; however, as other Northern region schools are renovated in future capital budgets and land is acquired, consideration should be given to additional capacity.

Measures to manage the anticipated growth includes school boundary adjustments to take advantage of the available seats at Bushy Park ES, Clarksville ES, Dayton Oaks ES, Triadelphia Ridge ES, and West Friendship ES. Student enrollment at Turf Valley, and within the entirety of the northern region, will continue to rise despite the capital investments that are to be completed in 2018. It remains a sound practice to land bank sites in the area, particularly a site in Turf Valley. Complete details are outlined in Section 5 of this report. Maps detailing changes can be found in Appendix C.

Figure 4.4

Elementary schools of the Northern Region

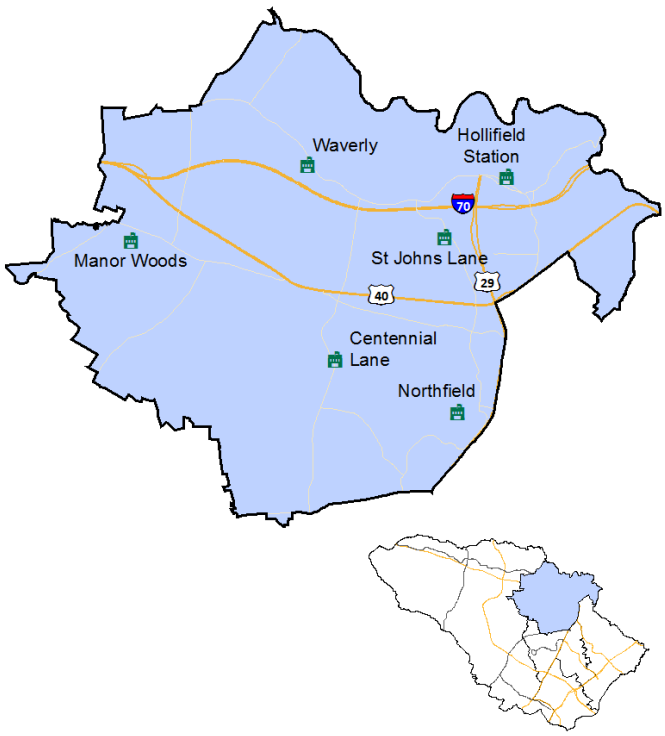


Figure 4.4 Five Year projected utilization (excluding attendance area adjustments)

Northern	2017 Projected Pop.	Capacity	2017 Projected Utilization	2022 Projected Pop.	Capacity	2022 Projected Utilization
Centennial Lane ES	745	647	115.1	741	647	114.5
Hollifield Station ES	783	694	112.8	827	694	119.2
Manor Woods ES	798	681	117.2	1,249	681	183.4
Northfield ES	730	700	104.3	750	700	107.1
St Johns Lane ES	690	612	112.7	762	612	124.5
Waverly ES	684	638	107.2	611	738	82.8
(Region ES Totals)	**4,430**	**3,972**	**111.5**	**4,940**	**4,072**	**121.3**

Elementary Schools Southeastern Region

Need:
Future enrollment growth is projected.

Strategy:
Schools within this region are primarily projected to be below 110 percent capacity utilization at the start of the 2017 school year, and will steadily continue to grow. School boundary adjustments are suggested to balance capacity utilization within the region. The projected student population along the Route 1 Corridor continues to support the need for additional seats between the Northeastern and Southeastern regions. A new school is currently proposed for 2023. Complete details are outlined in Section 5 of this report. Maps detailing changes can be found in Appendix C.

Figure 4.5
Elementary schools of the Southeastern Region

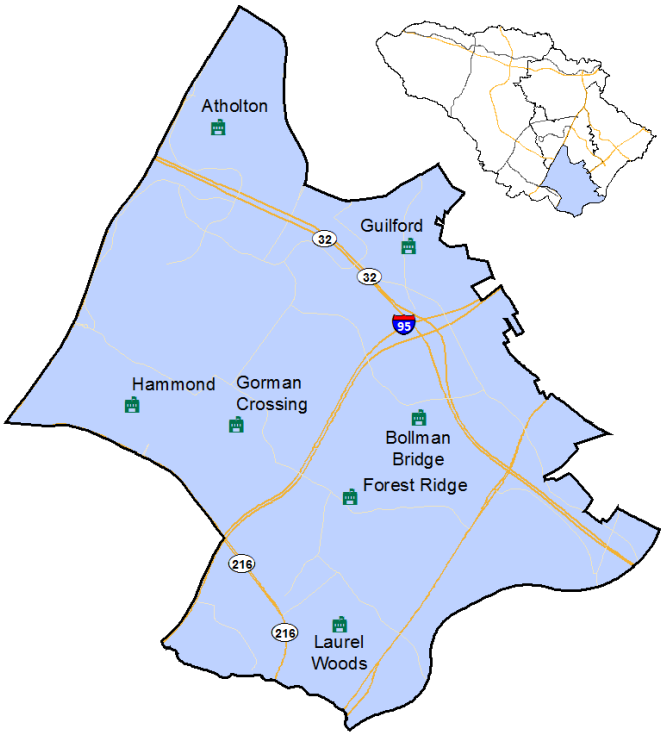


Figure 4.5 Five Year projected utilization (excluding attendance area adjustments)

Southeastern			2017			2022
	Projected Pop.	Capacity	Projected Utilization	Projected Pop.	Capacity	Projected Utilization
Atholton ES	458	424	108.0	418	424	98.6
Bollman Bridge ES	709	666	106.5	761	666	114.3
Forest Ridge ES	719	713	100.8	813	713	114.0
Gorman Crossing ES	700	735	95.2	839	735	114.1
Guilford ES	436	465	93.8	414	465	89.0
Hammond ES	644	653	98.6	705	653	108.0
Laurel Woods ES	547	640	85.5	469	640	73.3
(Region ES Totals)	**4,213**	**4,296**	**98.1**	**4,419**	**4,296**	**102.9**

Elementary Schools Western Region

Need:
Capacity is available, which could be used to relieve other regions. Fulton ES is projected to be over 110 percent capacity utilization and continue to grow into the foreseeable future.

Strategy:
Adjust school boundaries to alleviate overcrowded conditions in Northern and Columbia West areas. Complete details are outlined in Section 5 of this report. Maps detailing changes can be found in Appendix C.

Figure 4.6
Elementary schools of the Western Region

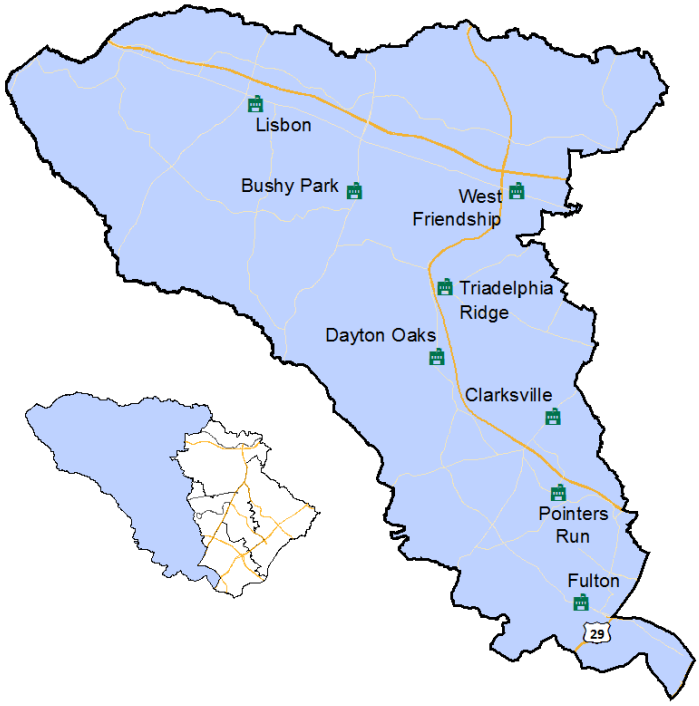


Figure 4.6 Five Year projected utilization (excluding attendance area adjustments)

Western	Projected Pop.	Capacity	2017 Projected Utilization	Projected Pop.	Capacity	2022 Projected Utilization
Bushy Park ES	599	788	76.0	499	788	63.3
Clarksville ES	428	612	69.9	429	612	70.1
Dayton Oaks ES	611	788	77.5	582	788	73.9
Fulton ES	871	788	110.5	1,111	788	141.0
Lisbon ES	438	527	83.1	417	527	79.1
Pointers Run ES	704	744	94.6	795	744	106.9
Triadelphia Ridge ES	550	581	94.7	578	581	99.5
West Friendship ES	336	414	81.2	370	414	89.4
(Region ES Totals)	**4,537**	**5,242**	**86.6**	**4,781**	**5,242**	**91.2**

Middle Schools Columbia East Region

Need:
Some capacity exists in this region.

Strategy:
Monitor long-term needs. Some capacity exists at Lake Elkhorn MS that could be used to fix a small feed of students who attend Thomas Viaduct MS. This move will relieve projected crowding at Thomas Viaduct MS, and create a complete feed of elementary students from Guilford ES. Complete details are outlined in Section 5 of this report. Maps detailing changes can be found in Appendix C.

Figure 4.7
Middle schools of the Columbia East Region

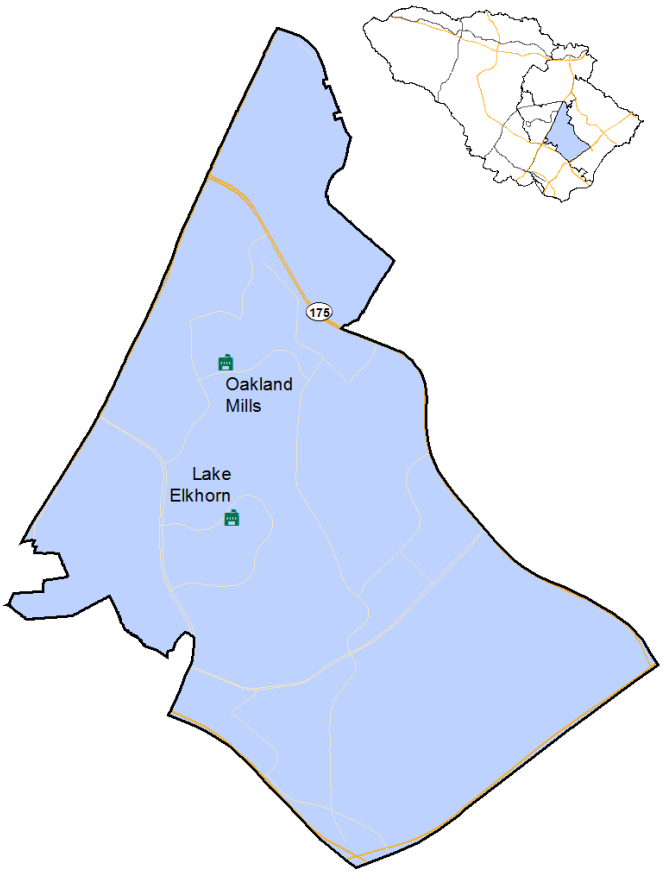


Figure 4.7 Five Year projected utilization (excluding attendance area adjustments)

Columbia East	2017 Projected Pop.	Capacity	2017 Projected Utilization	2022 Projected Pop.	Capacity	2022 Projected Utilization
Lake Elkhorn MS	564	643	87.7	591	643	91.9
Oakland Mills MS	464	506	91.7	495	506	97.8
(Region MS Totals)	**1,028**	**1,149**	**89.5**	**1,086**	**1,149**	**94.5**

Middle Schools Columbia West Region

Need:
Some capacity exists in the region.

Strategy:
With the addition of 293 new seats in 2017, this region will remain within target utilization for the foreseeable future based on the current projection. With proposed elementary school attendance area adjustments, that balance projected utilization in Downtown Columbia, the comprehensive attendance area adjustments realign feeds and balance utilization at Harper's Choice MS by using some available capacity at Wilde Lake MS. Complete details are outlined in Section 5 of this report. Maps detailing changes can be found in Appendix C.

Figure 4.8
Middle schools of the Columbia West Region

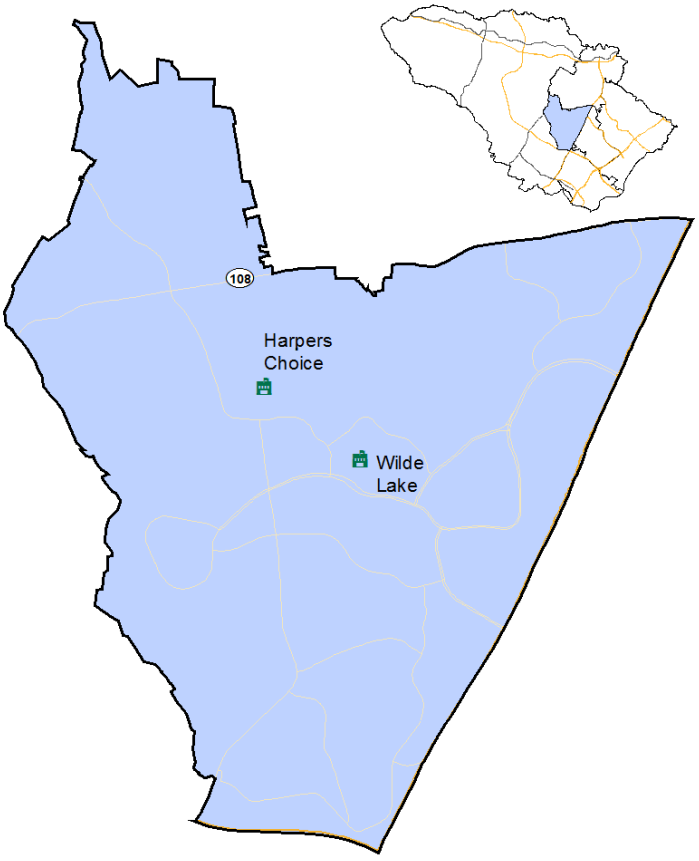


Figure 4.8 Five Year projected utilization (excluding attendance area adjustments)

Columbia West	2017 Projected Pop.	Capacity	2017 Projected Utilization	2022 Projected Pop.	Capacity	2022 Projected Utilization
Harpers Choice MS	563	506	111.3	562	506	111.1
Wilde Lake MS	619	760	81.4	705	760	92.8
(Region MS Totals)	**1,182**	**1,266**	**93.4**	**1,267**	**1,266**	**100.1**

Middle Schools Northeastern Region

Need:
Enrollment growth continues in the region.

Strategy:
Projected crowding at Thomas Viaduct and Ellicott Mills MS will be monitored. Although the opening of Thomas Viaduct MS relieved overcrowding in most northeastern schools, it did not relieve Ellicott Mills MS. The FY 2018 Capital Improvement Plan shows that Ellicott Mills MS is slated for a 156-seat addition in 2024; however, funding remains uncertain. With the opening of ES #42, adjustments to middle schools are suggested to balance projected enrollment utilization and align feeds throughout the middle school Northeastern Region. Although attendance area adjustments are proposed for the region, a need for seats at Ellicott Mills MS remains a priority and adjusting the schedule to open the addition in 2021 is a recommendation outlined in this document.

Figure 4.9
Middle schools of the Northeastern Region

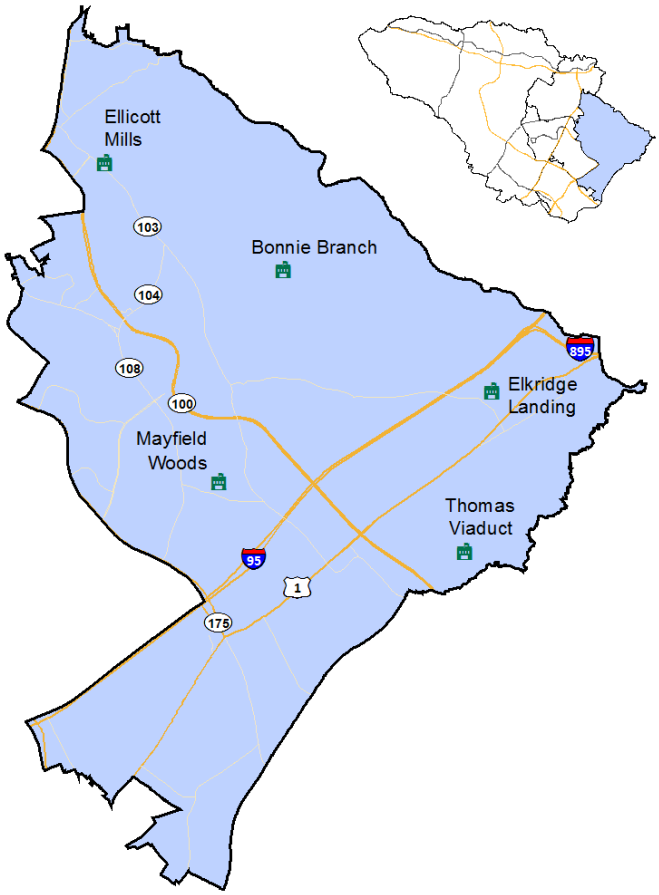


Figure 4.9 Five Year projected utilization (excluding attendance area adjustments)

Northeastern	Projected Pop.	Capacity	2017 Projected Utilization	Projected Pop.	Capacity	2022 Projected Utilization
Bonnie Branch MS	721	662	108.9	681	662	102.9
Elkridge Landing MS	704	779	90.4	734	779	94.2
Ellicott Mills MS	890	701	127.0	857	701	122.3
Mayfield Woods MS	711	798	89.1	843	798	105.6
Thomas Viaduct MS	645	701	92.0	877	701	125.1
(Region MS Totals)	**3,671**	**3,641**	**100.8**	**3,992**	**3,641**	**109.6**

Middle Schools Northern Region

Need:
Enrollment needs exceeds 110 percent capacity in 2020.

Strategy:
Monitor long-term needs. In 2020 and beyond, the Northern Region is projected to be above the 110 percent capacity utilization guideline. Dunloggin MS and Patapsco MS are scheduled for systemic renovations in the next few years. Additional capacity should be considered as part of these renovations or the use of temporary capacity may be needed. When continued growth in the adjacent Northeastern Region is factored in with the needs of this region, the land bank site on Marriottsville Road will probably be needed to serve as a future middle school.

Figure 4.10
Middle schools of the Northern Region

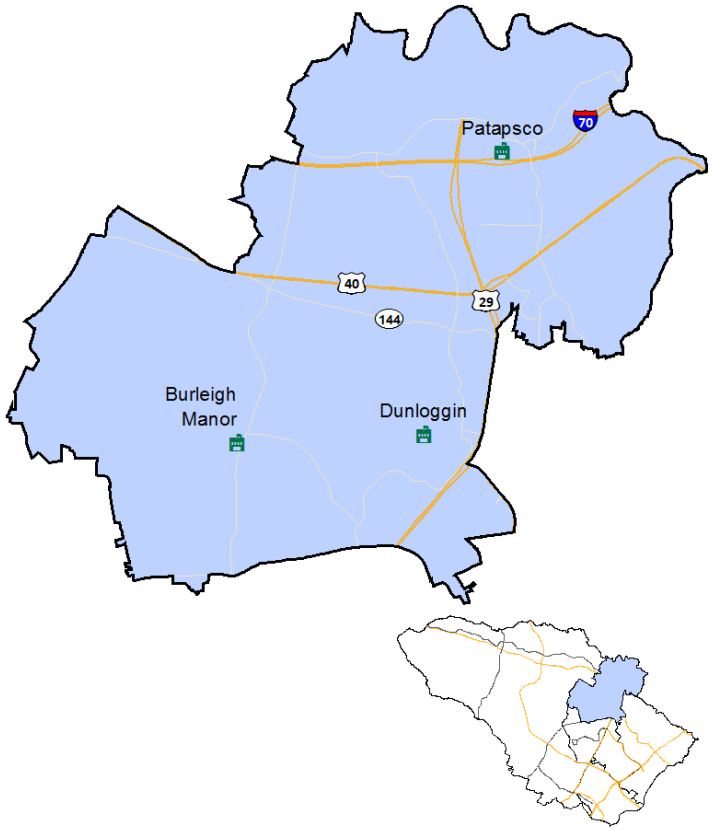


Figure 4.10 Five Year projected utilization (excluding attendance area adjustments)

Northern			2017			2022
	Projected Pop.	Capacity	Projected Utilization	Projected Pop.	Capacity	Projected Utilization
Burleigh Manor MS	795	779	102.1	865	779	111.0
Dunloggin MS	614	565	108.7	711	662	107.4
Patapsco MS	710	643	110.4	764	643	118.8
(Region MS Totals)	**2,119**	**1,987**	**106.6**	**2,340**	**2,084**	**112.3**

Middle Schools Southeastern Region

Need:
Enrollment growth is evident in the region.

Strategy:
Long-term growth trends in this region should be monitored. Murray Hill MS is projected to exceed 110 percent capacity utilization in 2019. Relocatables are available, which would manage crowding in this region. Some capacity is available at Patuxent Valley MS; however, enrollment in the region will continue to gradually rise for the foreseeable future. Projected needs beyond this time period will be monitored. A proposed realignment of middle school feed could help in balancing projected population growth. Complete details are outlined in Section 5 of this report. Maps detailing changes can be found in Appendix C.

Figure 4.11
Middle schools of the Southeastern Region

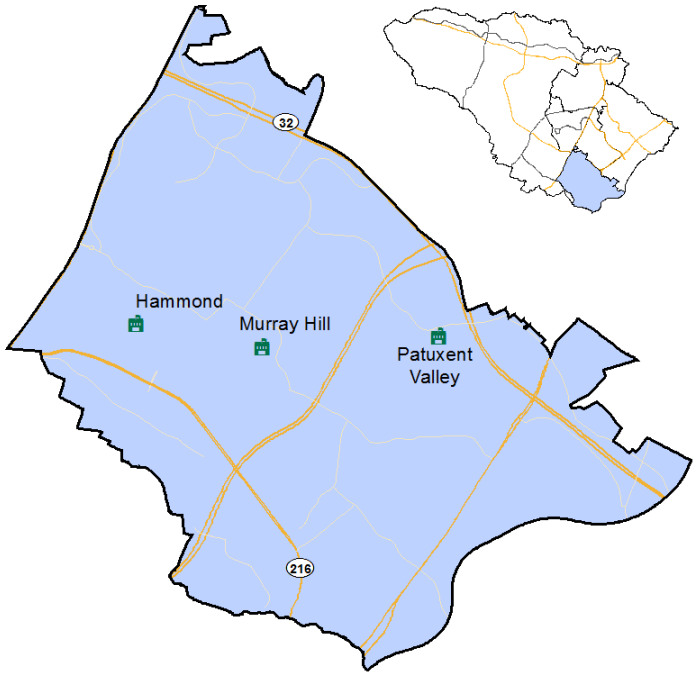


Figure 4.11 Five Year projected utilization (excluding attendance area adjustments)

Southeastern	Projected Pop.	Capacity	2017 Projected Utilization	Projected Pop.	Capacity	2022 Projected Utilization
Hammond MS	552	604	91.4	661	604	109.4
Murray Hill MS	669	662	101.1	754	662	113.9
Patuxent Valley MS	627	760	82.5	649	760	85.4
(Region MS Totals)	**1,848**	**2,026**	**91.2**	**2,064**	**2,026**	**101.9**

Middle Schools Western Region

Need:
Some capacity exists in this region.

Strategy:
Monitor long-term needs. Lime Kiln MS and Mount View MS are projected to exceed 110 percent utilization in 2019 and 2021, respectively. Capacity utilization in the region remains within targets throughout the projection. School boundary adjustments are proposed for Lime Kiln MS, Folly Quarter MS and Mount View MS, which will align feeds with proposed elementary and high school level attendance area adjustments. Complete details are outlined in Section 5 of this report. Maps detailing changes can be found in Appendix C.

Figure 4.12
Middle schools of the Western Region

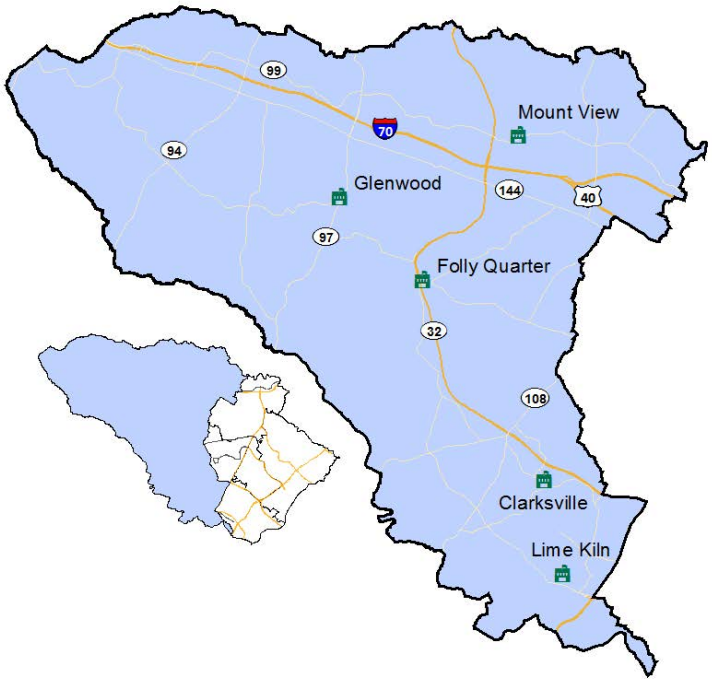


Figure 4.12 Five Year projected utilization (excluding attendance area adjustments)

Western			2017			2022
	Projected Pop.	Capacity	Projected Utilization	Projected Pop.	Capacity	Projected Utilization
Clarksville MS	528	643	82.1	477	643	74.2
Folly Quarter MS	636	662	96.1	616	662	93.1
Glenwood MS	526	545	96.5	502	545	92.1
Lime Kiln MS	730	701	104.1	829	701	118.3
Mount View MS	811	798	101.6	906	798	113.5
(Region MS Totals)	**3,231**	**3,349**	**96.5**	**3,330**	**3,349**	**99.4**

High Schools Columbia East Region

Need:
Some capacity exists in this region. Monitor projections.

Strategy:
Oakland Mills HS serves the Columbia East Region. Attendance area adjustments are proposed to accommodate growth in the Northeastern Region, which includes Long Reach HS and Howard HS. Complete details are outlined in Section 5 of this report. Maps detailing changes can be found in Appendix C. Projected needs beyond this time period will be monitored.

Figure 4.13
High school of the Columbia East Region

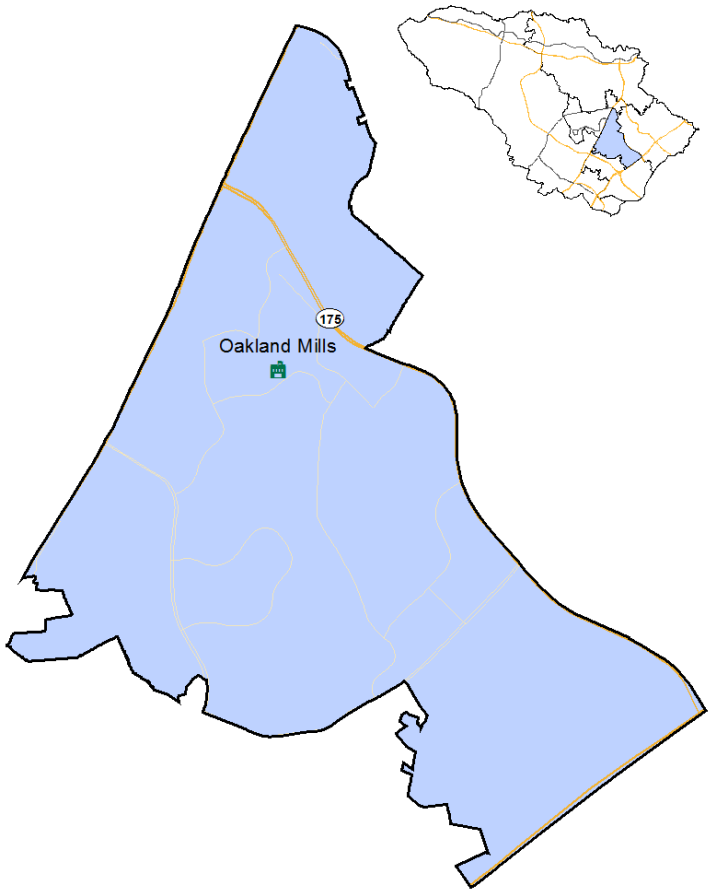


Figure 4.13 Five Year projected utilization (excluding attendance area adjustments)

Columbia East			2017			2022
	Projected Pop.	Capacity	Projected Utilization	Projected Pop.	Capacity	Projected Utilization
Oakland Mills HS	**1,176**	**1,400**	**84.0**	**1,354**	**1,400**	**96.7**

High Schools Columbia West Region

Need:
Monitor projections.

Strategy:
Wilde Lake HS serves the Columbia West Region. The projection for this school remains between 90 percent and 110 percent utilization until 2027. This projection models the effects of the Columbia Town Center development. Projected needs beyond this time period will be monitored.

Figure 4.14
High school of the Columbia West Region

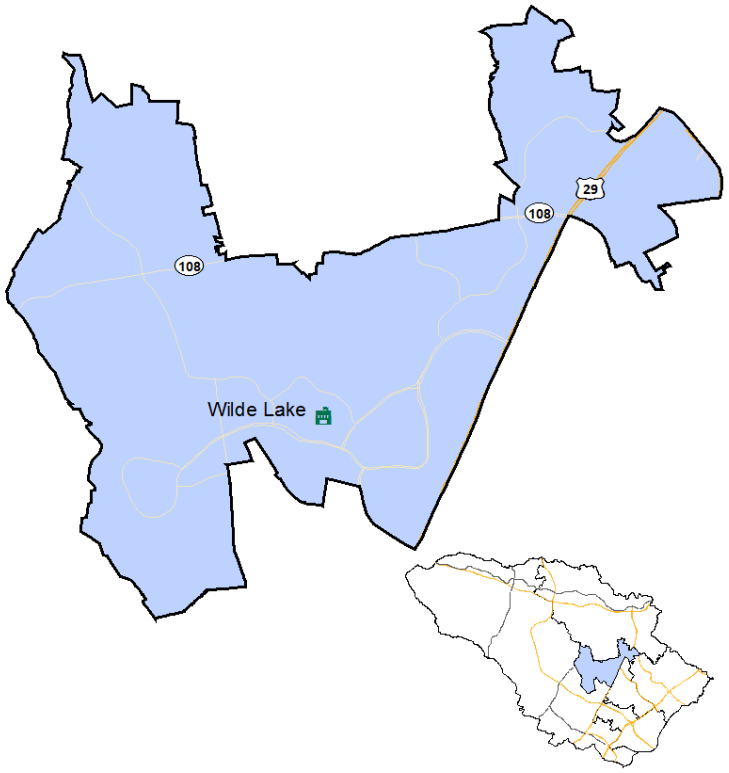


Figure 4.14 Five Year projected utilization (excluding attendance area adjustments)

Columbia West	2017			2022		
	Projected Pop.	Capacity	Projected Utilization	Projected Pop.	Capacity	Projected Utilization
Wilde Lake HS	**1,298**	**1,424**	**91.2**	**1,442**	**1,424**	**101.3**

High Schools Northeastern Region

Need:
Significant enrollment growth is projected. Available capacity in this region is not sufficient to absorb long-term projected enrollment growth.

Strategy:
Evaluate capital-planning options, including additions, acquisition of a future school site, and school boundary adjustments.

Howard HS and Long Reach HS serve the Northeastern Region and both exceed 110 percent utilization in 2017. Howard HS is projected to exceed 120 percent capacity utilization in 2017 and continues to be projected to grow with this projection. Long Reach HS is projected to exceed 120 percent utilization in 2019 and similar to Howard HS, is projected to grow. Additions to temporary capacity occurred at both high schools. Projections for the Northeastern and Southeastern regions indicate the need for a thirteenth high school and acquisition of a suitable site large enough to build a high school is necessary despite recommended school boundary adjustments.

Complete details are outlined in Section 5 of this report. Maps detailing changes can be found in Appendix C. Projected needs beyond this time period will be monitored.

Figure 4.15
High schools of the Northeastern Region

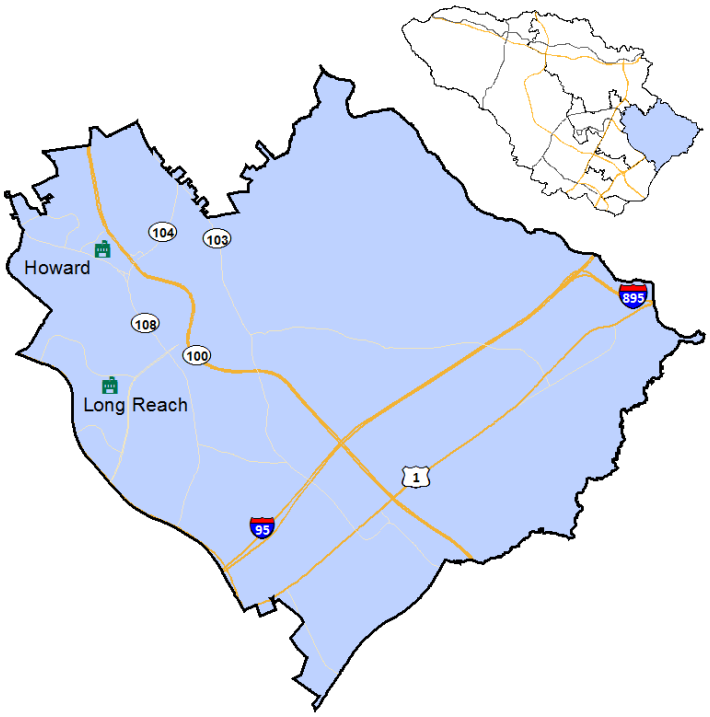


Figure 4.15 Five Year projected utilization (excluding attendance area adjustments)

Northeastern	2017 Projected Pop.	Capacity	2017 Projected Utilization	2022 Projected Pop.	Capacity	2022 Projected Utilization
Howard HS	1,942	1,420	136.8	2,057	1,420	144.9
Long Reach HS	1,663	1,488	111.8	2,079	1,488	139.7
(Region HS Totals)	**3,605**	**2,908**	**124.0**	**4,136**	**2,908**	**142.2**

High Schools Northern Region

Need:
Some capacity is available in the region.

Strategy:
Monitor long-term needs. Centennial HS, Marriotts Ridge HS and Mt. Hebron HS serve the northern area. The Northern Region is projected to exceed 110 percent utilization in 2020. Capacity remains at Marriotts Ridge HS for this region and school boundary adjustments are recommended to relieve Centennial HS and Mt. Hebron HS. Complete details are outlined in Section 5 of this report. Maps detailing changes can be found in Appendix C. Projected needs beyond this time period will be monitored.

Figure 4.16
High schools of the Northern Region

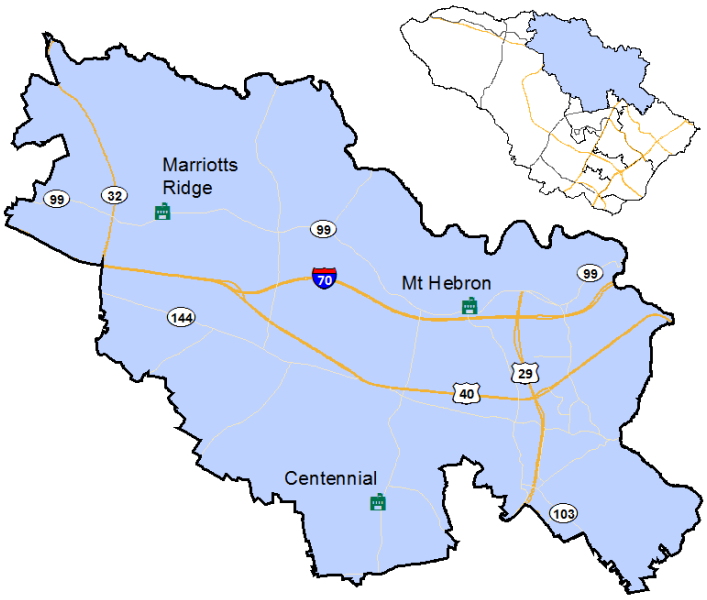


Figure 4.16 Five Year projected utilization (excluding attendance area adjustments)

Northern	2017 Projected Pop.	Capacity	2017 Projected Utilization	2022 Projected Pop.	Capacity	2022 Projected Utilization
Centennial HS	1,609	1,360	118.3	1,850	1,360	136.0
Marriotts Ridge HS	1,296	1,615	80.2	1,502	1,615	93.0
Mt Hebron HS	1,573	1,400	112.4	1,709	1,400	122.1
(Region HS Totals)	**4,478**	**4,375**	**102.4**	**5,061**	**4,375**	**115.7**

High Schools Southeastern Region

Need:
The Southeastern Region exceeds 110 percent capacity utilization in 2018 and steadily increases later in the projection.

Strategy:
Some capacity may be realized through boundary adjustments; however, long-term projections for the Northeastern and Southeastern regions indicate the need for a thirteenth high school. Acquisition of a suitable site large enough to build a high school is necessary. Complete details are outlined in Section 5 of this report. Maps detailing changes can be found in Appendix C. Projected needs beyond this time period will be monitored.

Figure 4.17
High schools of the Southeastern Region

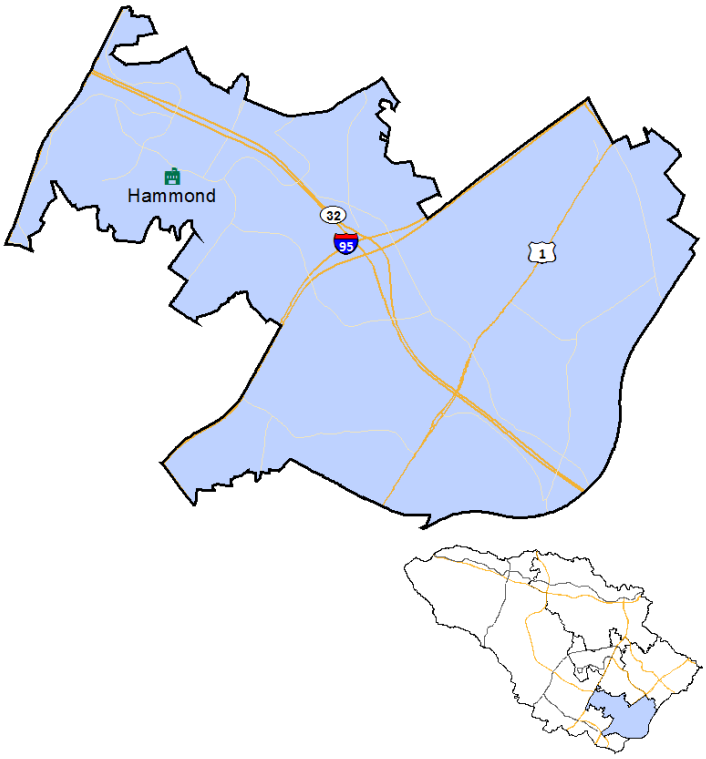


Figure 4.17 Five Year projected utilization (excluding attendance area adjustments)

Southeastern	2017 Projected Pop.	Capacity	2017 Projected Utilization	2022 Projected Pop.	Capacity	2022 Projected Utilization
Hammond HS	**1,332**	**1,220**	**109.2**	**1,423**	**1,220**	**116.6**

High Schools Western Region

Need:
Some capacity exists.

Strategy:
Monitor long-term needs. The Western Region does not exceed 110 percent capacity utilization until 2028. Reservoir HS and Atholton HS should be monitored because this projection indicates these schools will exceed 110 percent utilization in 2020 and 2023, respectively. Atholton HS is proposed for school boundary adjustments to utilize Western capacity to relieve overcrowded conditions in school attendance areas in the Northeastern and Southeastern regions. Complete details are outlined in Section 5 of this report. Maps detailing changes can be found in Appendix C. Projected needs beyond this time period will be monitored.

Figure 4.18
High schools of the Western Region

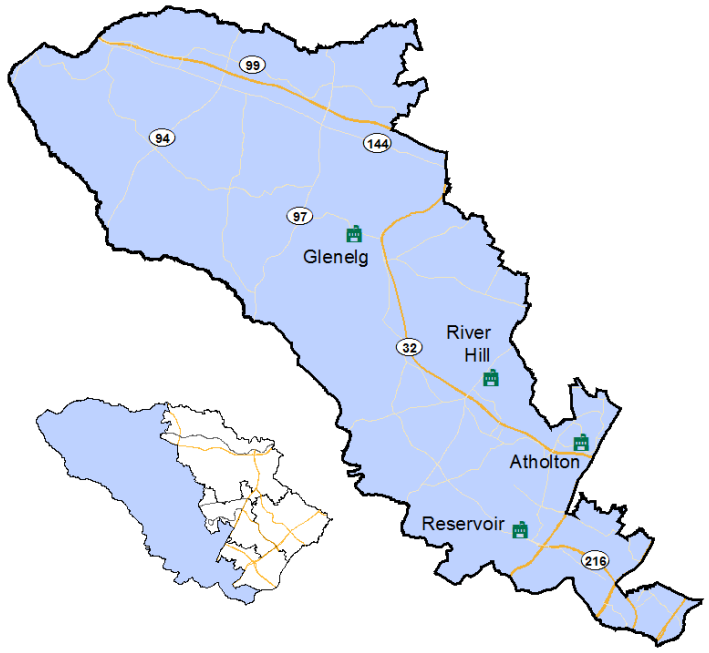


Figure 4.18 Five Year projected utilization (excluding attendance area adjustments)

Western	2017 Projected Pop.	Capacity	2017 Projected Utilization	2022 Projected Pop.	Capacity	2022 Projected Utilization
Atholton HS	1,471	1,460	100.8	1,588	1,460	108.8
Glenelg HS	1,141	1,420	80.4	1,155	1,420	81.3
Reservoir HS	1,514	1,551	97.6	1,797	1,551	115.9
River Hill HS	1,220	1,488	82.0	1,158	1,488	77.8
(Region HS Totals)	**5,346**	**5,919**	**90.3**	**5,698**	**5,919**	**96.3**

Section 5

Foreseeable Attendance Area Adjustments

This report does not recommend any adjustments to attendance areas until 2018 when adjustments are needed to open ES # 42. The process would be conducted between June and November 2017 and take effect at the beginning of the 2018 school year.

June 2017

Foreseeable Attendance Area Adjustments Summary

Adjustments School Attendance Areas
The proposed staff plan is a comprehensive attendance area adjustment at the elementary, middle and high school levels. This plan serves multiple goals, including the opening of ES #42, balancing capacity utilization across HCPSS at all educational levels and improving feeds at the middle and high school levels. The approximate number of projected students moved is 8,800 for the 2018 school year, which is 15.6 percent of the total projected student enrollment.

Adjustments planned at the high school level utilize the available western capacity to serve the projected student enrollment at Atholton HS, Centennial HS, Hammond HS, Howard HS, Long Reach HS, and Mt. Hebron HS and to align high school feeds from the middle school level. Figure 5.3, identifies the result of the proposed boundary adjustments. Atholton HS and Marriotts Ridge HS are affected in order to better access western capacity at Glenelg HS, Marriotts Ridge HS and River Hill HS. Per Policy 6010 School Attendance Areas, rising 12th graders will not be affected by changes in attendance areas. While the capacity exists to balance all schools countywide, the challenge has been that the capacity and enrollment growth do not share the same geography. In other words, to use existing western capacity, a movement of students through school attendance areas needs to occur and presents a challenge. Historically, high school attendance areas were adjusted with the opening of schools and was phased (rising ninth and tenth graders were reassigned first). The Northeastern region comprised of Howard HS and Long Reach HS continues to have the highest enrollment growth and exceeds the 110 percent capacity utilization in 2017. Projected enrollment growth at Centennial HS and Mt Hebron HS will be above 110 percent utilization in 2017 as well and continues to grow.

Per Policy 6010 School Attendance Areas, rising twelfth graders will not be affected by changes in attendance areas. The Board may also choose to allow rising eleventh graders to remain at their schools. Depending on the Board's action, the full changes in attendance areas may not be realized for up to three years as the rising 11th and 12th graders finish at their original schools. If trailing siblings are included (those younger students who will "share" one year with a rising senior), the phasing could take up to six years. Any considerations of student reassignments through attendance area adjustments may be phased, according to Policy 6010. The recommendations in this document do not include phasing-in rising 11th graders, or allowing trailing siblings.

The proposed middle school attendance areas prioritize two factors when considering boundary adjustments: aligning feeds (from the elementary school level) and balancing capacity utilization. Unlike the elementary or high school levels, there is no available Western capacity. The recommended boundary adjustments take advantage of existing capacity to balance utilization for the majority of the attendance areas Figure 5.2 identifies specific staff recommendations.

Adjustments at the elementary level are designed to create a new attendance area for New ES #42 and adjust attendance areas of the following elementary school regions: Northern, Western, Columbia West, Northeastern and Southeastern to relieve overcrowded conditions due to student population growth. New ES #42 has a modified elementary educational specification of 788 seats plus additional rooms for a prekindergarten program. Additionally, proposed boundary adjustments take advantage of Western Region capacity and new capacity at Waverly ES and Swansfield ES to relieve Manor Woods ES, Running Brook ES, Clemens Crossing ES, and Bryant Woods ES. Figure 5.1 identifies the staff recommendation. This plan cannot reasonably address projected population growth at Centennial Lane ES, nor Fulton ES, although scenarios were modeled and studied.

Proposed Changes

Figure 5.1 Proposed Elementary School Proposed Adjustments

Sending	Receiving	Appx. # of Students	Polygons Proposed for Movement
Bellows Spring ES	Ducketts Lane ES	0	1082
Bellows Spring ES	New ES #42	131	3035
Bellows Spring ES	Rockburn ES	156	83, 298, 1083
Bellows Spring ES	Waterloo ES	82	1076
Bollman Bridge ES	Forest Ridge ES	96	260, 1260
Bryant Woods ES	Clemens Crossing ES	133	133, 1133, 4133, 5133
Bryant Woods ES	Longfellow ES	140	268, 1268, 2268
Clarksville ES	Triadelphia Ridge ES	42	185, 1176, 1185
Clemens Crossing ES	Pointers Run ES	196	127, 130, 1130
Clemens Crossing ES	Swansfield ES	16	1066, 2134
Cradlerock ES	Stevens Forest ES	60	55, 139, 2139
Dayton Oaks ES	Triadelphia Ridge ES	39	200, 1200
Deep Run ES	Bellows Spring ES	212	78, 79, 80, 1079, 1080
Deep Run ES	New ES #42	100	30, 1030, 2030
Ducketts Lane ES	Deep Run ES	122	33
Ducketts Lane ES	New ES #42	262	35, 1035, 1036, 2035, 4035
Forest Ridge ES	Laurel Woods ES	132	1, 12, 116, 1001, 1116
Hollifield Station ES	Veterans ES	110	105, 1105, 1308
Manor Woods ES	Triadelphia Ridge ES	59	178, 179, 1178
Manor Woods ES	Waverly ES	81	164, 305, 1164, 1305
Manor Woods ES	West Friendship ES	104	304, 1304
Northfield ES	Running Brook ES	60	148, 276
Pointers Run ES	Clarksville ES	160	64, 129, 295, 1064, 1129
Pointers Run ES	Dayton Oaks ES	38	118, 189, 1192
Rockburn ES	Ilchester ES	62	91, 3091
Rockburn ES	New ES #42	192	32, 1032
Running Brook ES	Bryant Woods ES	168	136, 204, 1136, 1204, 2133, 2136, 3133, 3136, 4136
St. John's Lane ES	Hollifield Station ES	74	72
St. John's Lane ES	Waverly ES	115	159, 1159
Stevens Forest ES	Talbott Springs ES	186	96, 1110
Talbott Springs ES	Cradlerock ES	70	52, 279
Talbott Springs ES	Guilford ES	46	51, 1051, 2051
Talbott Springs ES	Stevens Forest ES	121	59, 1059, 2059, 3059
Triadelphia Ridge ES	Bushy Park ES	101	210, 218, 1210, 1218, 1222, 2210
Triadelphia Ridge ES	Dayton Oaks ES	36	209
Veterans ES	Worthington ES	80	101, 102, 217
Waverly ES	St. John's Lane ES	106	162, 1162, 2161
Waverly ES	West Friendship ES	1	4169
West Friendship ES	Bushy Park ES	129	224, 229, 231, 232, 1229, 1231, 2229
Total		**4,018**	

Proposed Changes

Figure 5.2 Proposed Middle School Proposed Adjustments

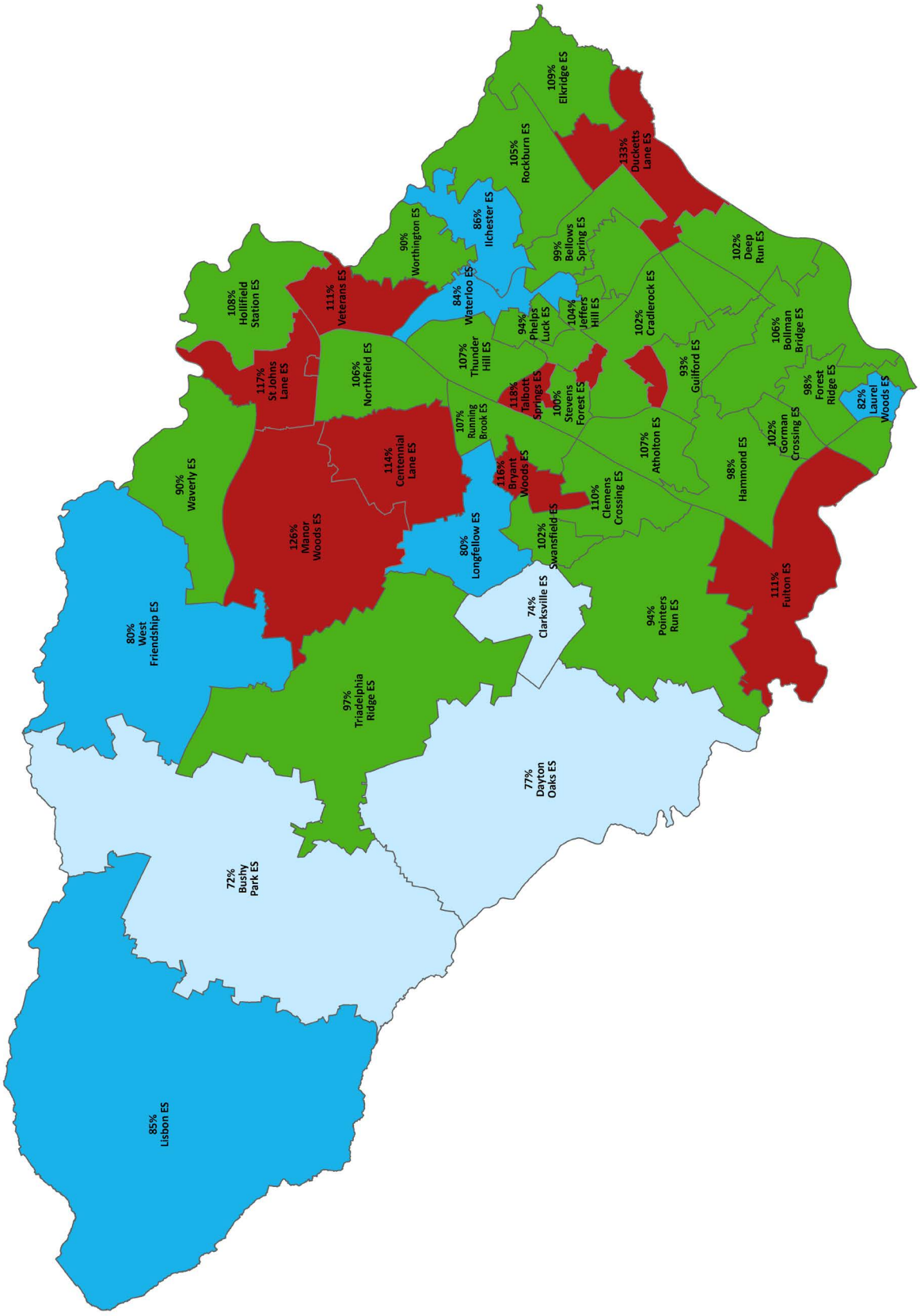
Sending	Receiving	Appx. # of Students	Polygons Proposed for Movement
Bonnie Branch MS	Ellicott Mills MS	0	1074
Bonnie Branch MS	Lake Elkhorn MS	14	261, 1261
Burleigh Manor MS	Mount View MS	29	164, 1164
Clarksville MS	Folly Quarter MS	28	185, 1185
Clarksville MS	Lime Kiln MS	0	189
Dunloggin MS	Oakland Mills MS	25	111, 1111, 2111
Dunloggin MS	Patapsco MS	50	105, 1105, 1308
Dunloggin MS	Wilde Lake MS	24	148, 276
Ellicott Mills MS	Bonnie Branch MS	53	2093, 3093, 4093
Ellicott Mills MS	Dunloggin MS	83	103, 1103
Folly Quarter MS	Glenwood MS	31	220, 1220, 2220
Harper's Choice MS	Wilde Lake MS	70	66, 134, 143, 144, 1134, 1144
Lake Elkhorn MS	Oakland Mills MS	35	55, 139, 2139
Lime Kiln MS	Clarksville MS	123	117, 120, 127, 296, 1117, 1120, 1296
Mayfield Woods MS	Elkridge Landing MS	71	83, 298, 1083
Mayfield Woods MS	Ellicott Mills MS	7	277
Mount View MS	Folly Quarter MS	95	170, 178, 179, 1170, 1178, 1179, 2170
Murray Hill MS	Patuxent Valley MS	69	3012
Oakland Mills MS	Lake Elkhorn MS	49	56, 1056, 2056, 3056
Patapsco MS	Mount View MS	77	159, 160, 1159, 1160
Thomas Viaduct MS	Lake Elkhorn MS	61	26, 27, 1026, 1027
Thomas Viaduct MS	Mayfield Woods MS	49	82, 2082
Wilde Lake MS	Clarksville MS	33	130, 1130
Total		**1,076**	

Proposed Changes

Figure 5.3 Proposed High School Proposed Adjustments

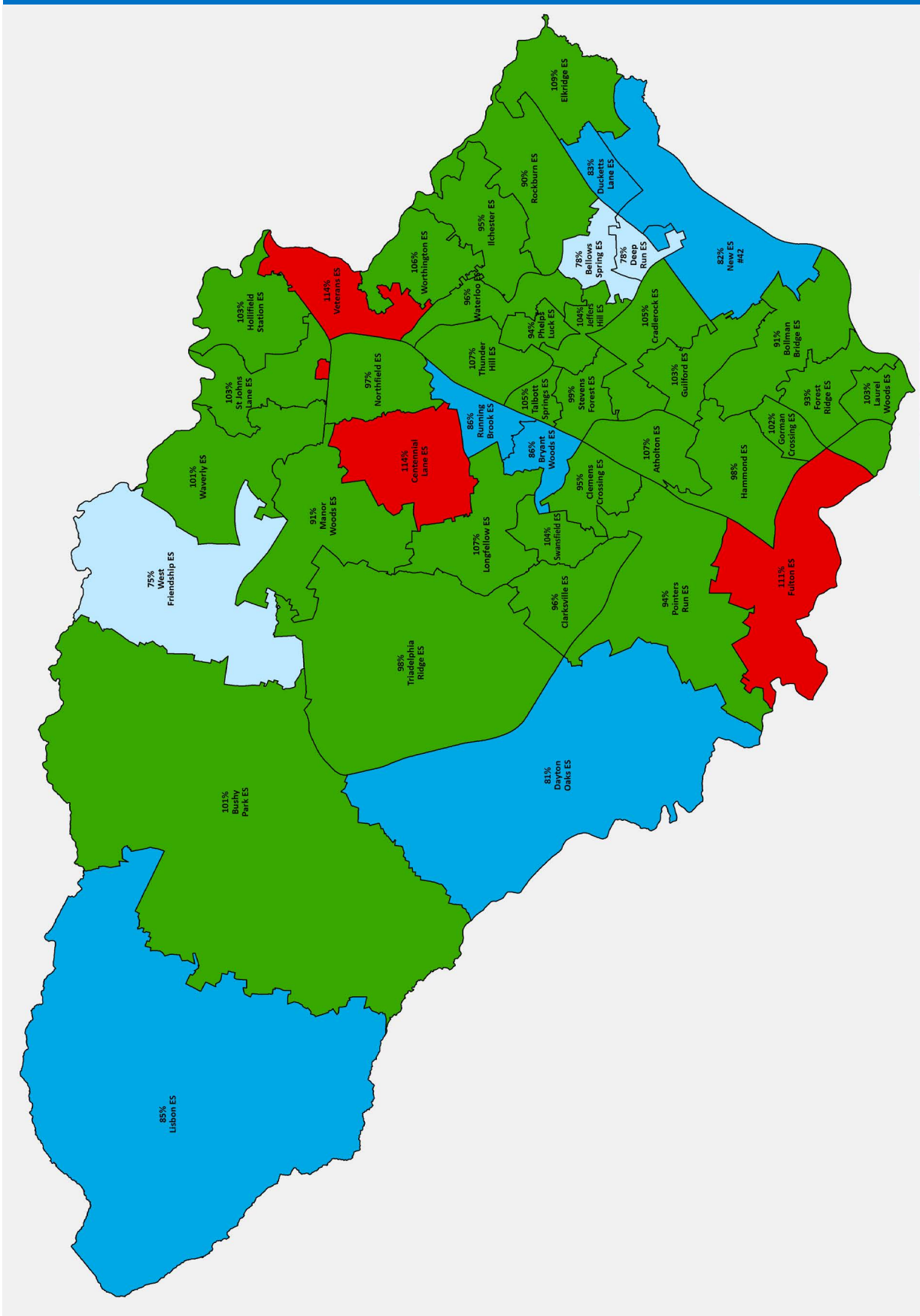
Sending	Receiving	Appx. # of Students	Polygons Proposed for Movement
Atholton HS	Hammond HS	337	5,6,1005, 1006, 2005, 2010, 2011
Atholton HS	River Hill HS	614	64, 117, 118, 120, 123, 126, 127, 128, 129, 130, 190, 296, 1064, 1117, 1120, 1123, 1128, 1129, 1130, 1190, 1296
Centennial HS	Marriotts Ridge HS	210	153, 154, 214, 1154, 1184, 2154
Hammond HS	Atholton HS	325	13, 26, 27, 48, 50, 57, 270, 1026, 1027, 1048, 1050, 1057, 2050, 2057, 3048
Hammond HS	Oakland Mills HS	142	30, 32, 1030, 1032, 2030
Howard HS	Long Reach HS	418	42, 84, 86, 87, 95, 1042, 1086, 1095, 2042, 2087, 2095, 3042, 3087
Howard HS	Oakland Mills HS	20	261, 1261
Long Reach HS	Oakland Mills HS	545	33, 35, 80, 81, 266, 1033, 1080, 1081, 1266, 2081, 3035, 4035
Marriotts Ridge HS	Glenelg HS	136	170, 178, 179, 1170, 1178, 1179, 2170
Mount Hebron HS	Howard HS	69	2093, 3093, 4093
Mount Hebron HS	Marriotts Ridge HS	102	159, 160, 1159, 1160
Oakland Mills HS	Atholton HS	420	49, 51, 52, 54, 56, 58, 279, 1051, 1054, 1056, 1058, 1139, 2051, 2054, 2056, 2058, 3056, 3139
Oakland Mills HS	Wilde Lake HS	85	151, 1151, 2151
River Hill HS	Glenelg HS	227	180, 181, 182, 183, 199, 202, 203, 1180, 1181, 1182, 1183, 1199, 2182, 2183, 3182
Wilde Lake HS	Atholton HS	41	66, 134, 1134
Total		**3,691**	

Projected 2018 Capacity Utilization Maps



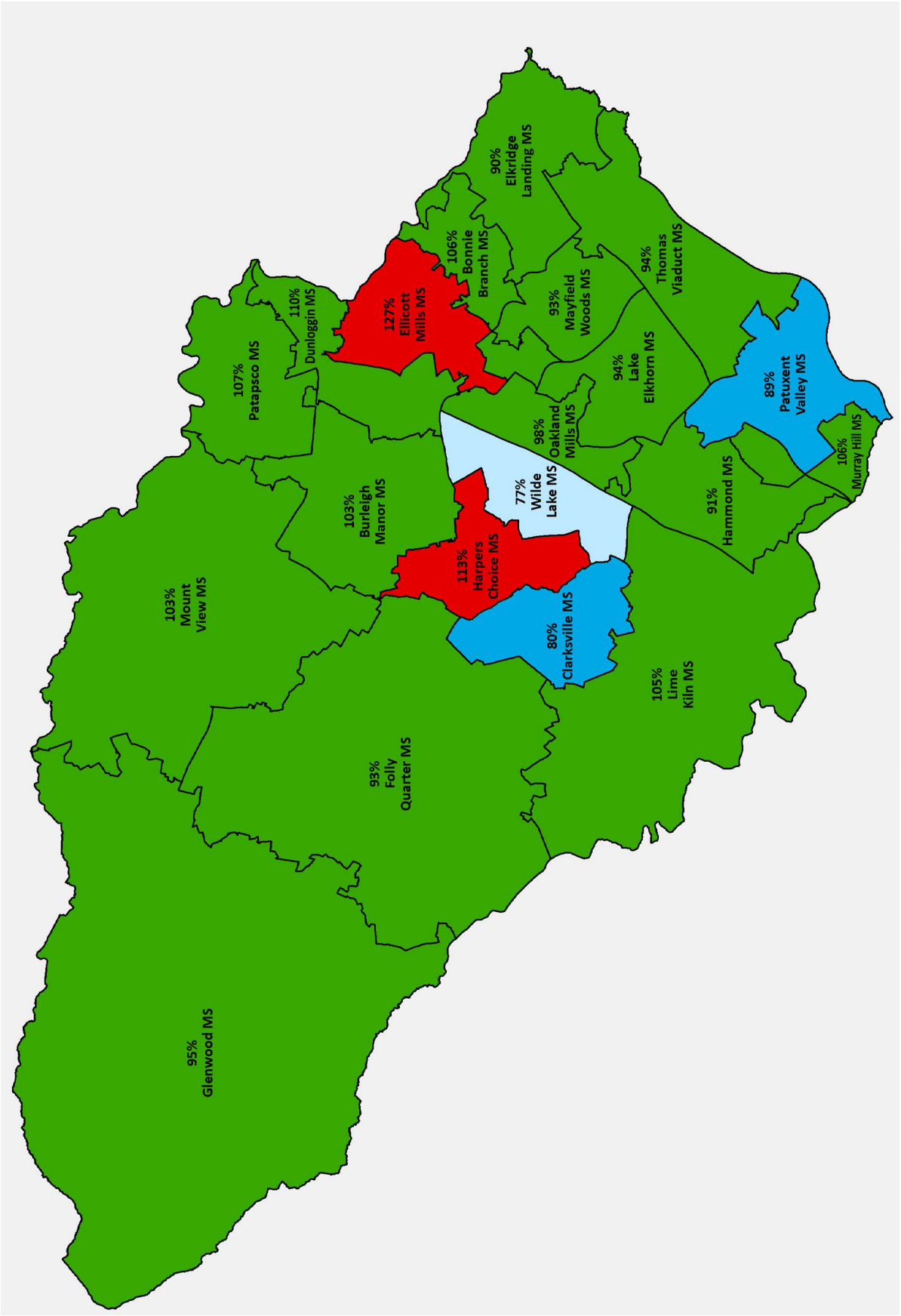
Projected Elementary School Capacity Utilization (2018) without attendance area adjustments

Proposed Capacity Utilization Maps



Projected Elementary School Capacity Utilization (2018) with proposed attendance area adjustments

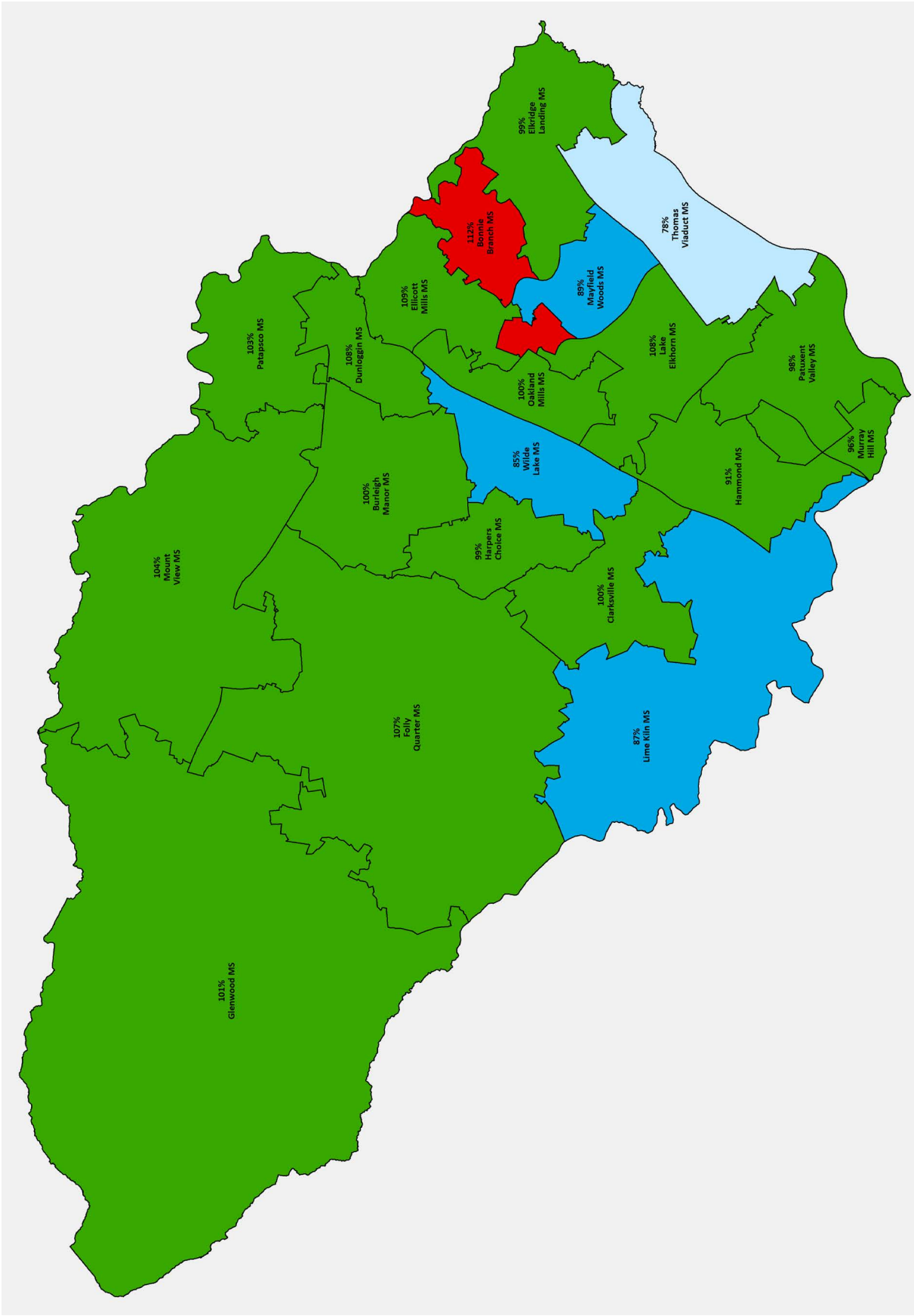
Existing Capacity Utilization Maps



Projected Middle School Capacity Utilization (2018) without attendance area adjustments

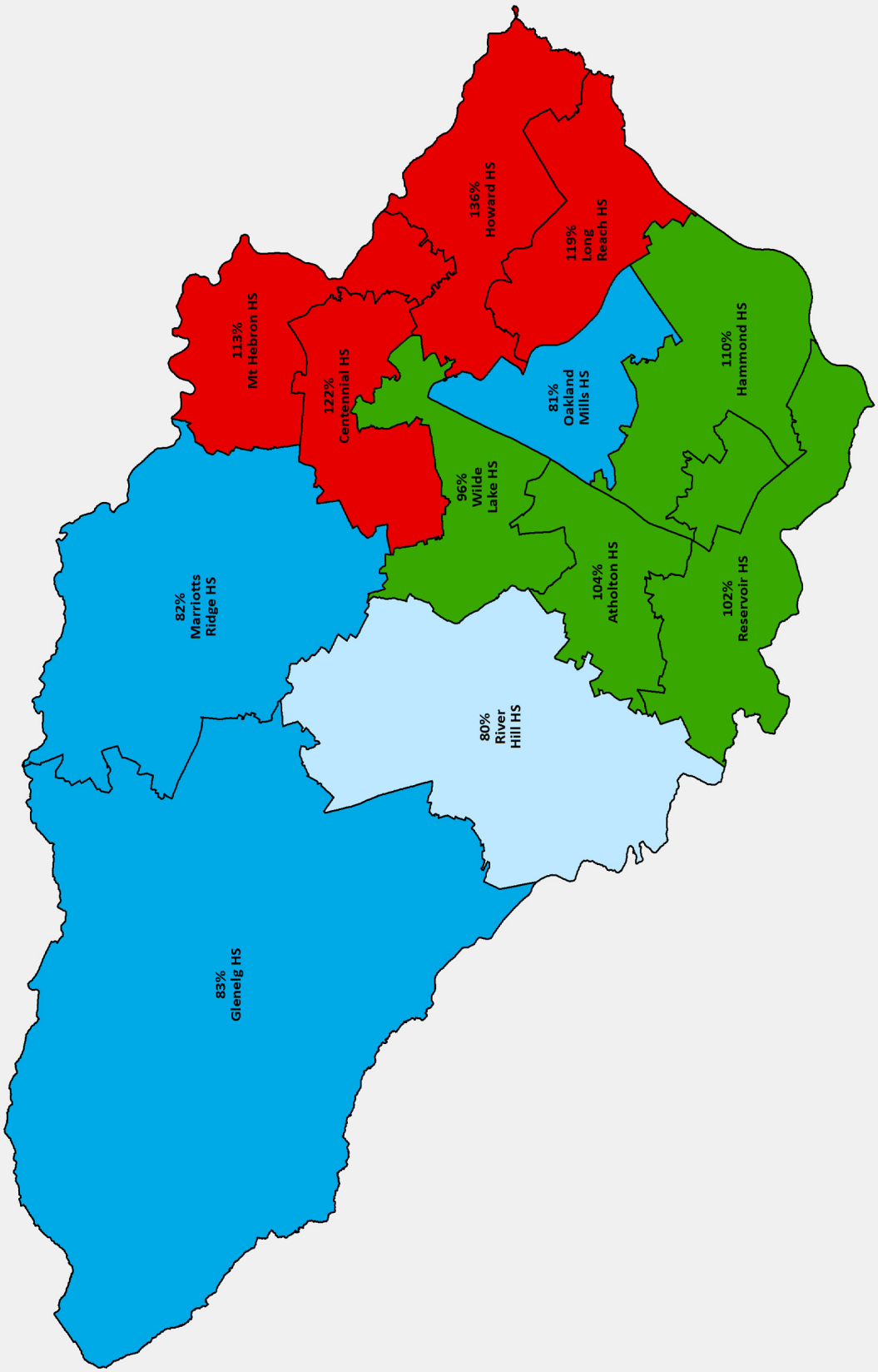
REVISED June 21, 2017

Proposed Capacity Utilization Maps



Projected Middle School Capacity Utilization (2018)
with proposed attendance area adjustments

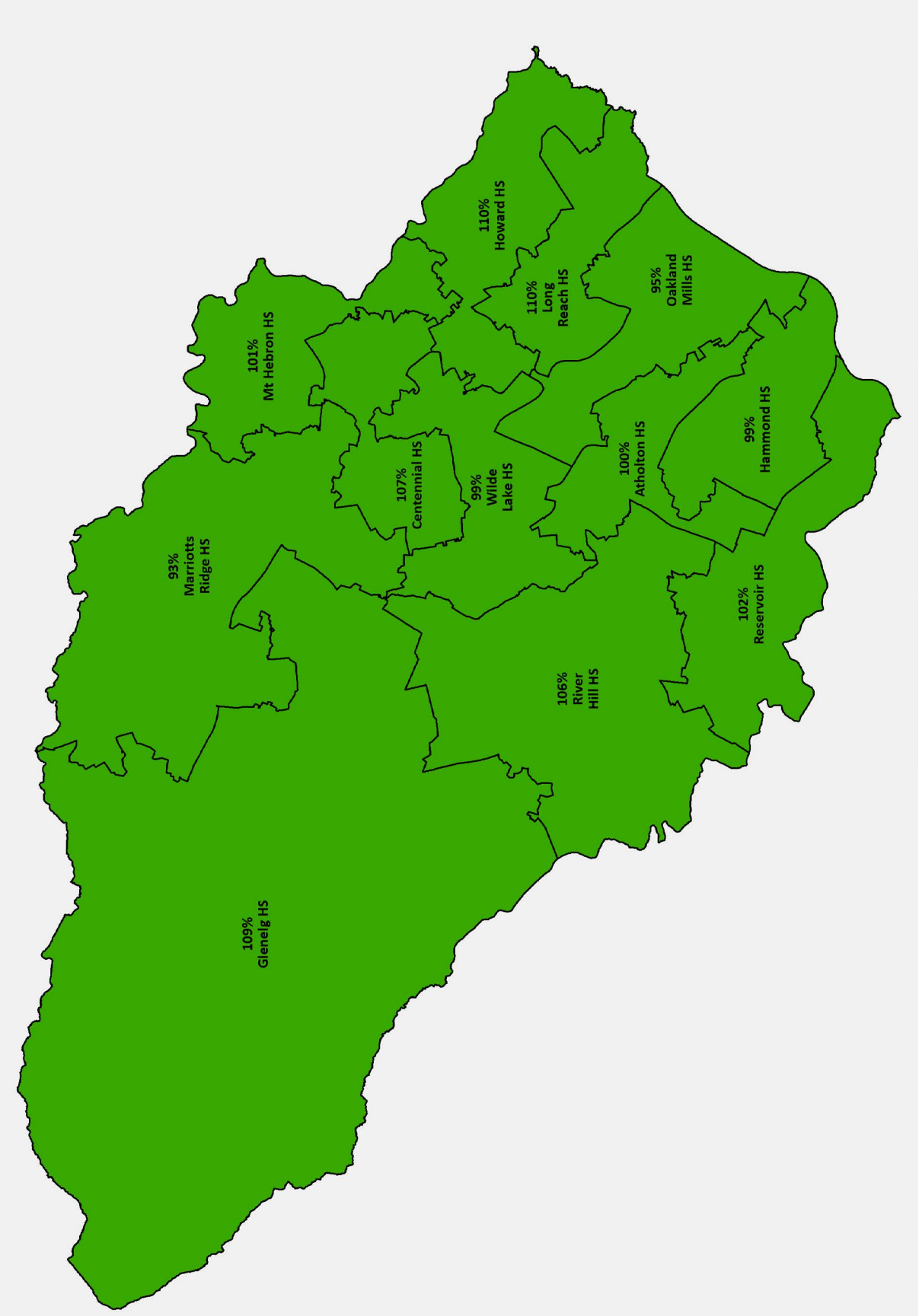
Proposed Capacity Utilization Maps



Projected High School Capacity Utilization (2018)
without attendance area adjustments

Updated June 22, 2017

Proposed Capacity Utilization Maps



Projected High School Capacity Utilization (2018)
with proposed attendance area adjustments

REVISED June 21, 2017

Assessment of Proposed Changes

Evaluation

The following section evaluates the recommendation for the 2018 attendance area adjustments. Figures 5.4 – 5.10 of the feasibility study include an evaluation of the recommended plan to individual changes after the elementary, middle and high school comprehensive attendance area adjustments are completed. Figure 5.4 is an Overall Plan assessment chart. Figures 5.5 – 5.7 are Elementary, Middle and High School assessment charts.

The evaluation of the plan is based upon the Policy 6010 Standards Section (VI.B.), located in Appendix A. The Policy is also published on-line at http://www.hcpss.org/f/board/ policies/6010.pdf. Scorecards assess the plan to help identify how the plan compares to the Policy criteria. Please refer to Figures 5.4 – 5.7.

Adjustments to school boundaries at all school levels proposed in this report indicate a strength of this plan is the increased number of schools that are projected to have improved capacity utilization in 2018. In general, this plan indicates target utilization would improve at the majority of schools until 2022; however, this plan does anticipate capital improvements that include New ES #43 and new middle school seats. This plan also reduces the number of schools with capacity utilization below 90 percent.

Given the scope of attendance area adjustments proposed by this plan, the average proximity to schools is slightly higher since this plan uses available Western Region capacity to relieve overcrowding at both the elementary and high school levels. Rating of the transportation impacts of this plan are based on a preliminary analysis by the Pupil Transportation Office. These ratings are based on predicted changes in mileage and equipment according to the proposed attendance areas. For this preliminary review, it can be assumed changes in mileage lead to corresponding changes in distance traveled and students' seat time. A more detailed analysis including trip tiering may lead to changes in predicted impacts. School bell time changes will alter the transportation impacts of any proposed attendance area adjustment plan. While this plan focused on efficiencies in building use and feeds, it is acknowledged that some walk areas at the high school level become bus riders. Potential new walk areas have net yet been assessed.

The plan results in the movement of a projected 4,018 elementary students, 1,076 middle school students, and 3,691 high school students, which is 15.6% of the 2018 projected countywide enrollment. Overall, the proposed comprehensive boundary plan increases the average number of years with schools within target utilization, decreases the number of small feeds, has negligible effects on demographic indicators and decreases the non-contiguous attendance areas listed in Policy 6010. This plan does not move students more than once within five years at the elementary school level but removes the one existing double small feed (geography where the feed is below 15 percent at both middle and high schools).

Assessment of Proposed Changes

Figure 5.4 Overall Assessment

OVERALL Summary		Current	Aggregate Plan	Assessment Criteria	Policy
Years between 90-110%	# of Schools Strengthened	**NA**	39	Mean increased by 1.0 or more = STRENGTH; reduced by 1.0 or more = WEAKNESS; otherwise Negligible	IV.B.1.a
	# of Schools Weakened	**NA**	13		
	Mean	**4.9**	7.2		
			STRENGTH		
Proximity to school	# of Schools Strengthened	**NA**	31	Mean reduced by 100 or more = STRENGTH; increased by 100 or more = WEAKNESS; otherwise Negligible	IV.B.1.d
	# of Schools Weakened	**NA**	31		
	Mean	**7327**	7517		
	(smaller # = closer set of polygons)		**WEAKNESS**		
Students in walk area, percentage of change	# of Schools Strengthened	**NA**	0	Mean 2% increase or more = STRENGTH; decreased by 2% or more = WEAKNESS; otherwise Negligible	IV.B.1.d
	# of Schools Weakened	**NA**	9		
			NEGLIGIBLE		
Small Feeds (under 15%)	# of Small Feeds	**25**	17	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible	IV.B.2.a
			STRENGTH		
Double Small Feed	# of Double Small Feeds	**1**	0	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible	IV.B.2.a
			STRENGTH		
Non-contiguous Attendance Areas	Number of "Islands"	**4**	3	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible	IV.B.2.b
			STRENGTH		
Students moved within 5 yrs of last ES move	Number	**NA**	0		IV.B.2.c
	% of Enrollment	**NA**	0.0%		
			0		
Balanced Farm %	(Average = 0%)			Standard Deviation reduced by 25% or more = STRENGTH; increased by 25% or more = WEAKNESS; otherwise Negligible	IV.B.3.b
	StdDev	**13.92**	13.74		
			NEGLIGIBLE		
Balanced Reading Test Pass Rate	(Average = 0%)			Standard Deviation reduced by 25% or more = STRENGTH; increased by 25% or more = WEAKNESS; otherwise Negligible	IV.B.3.c
	StdDev	**12.33**	9.94		
			NEGLIGIBLE		
Balanced Math Test Pass Rate	(Average = 0%)			Standard Deviation reduced by 25% or more = STRENGTH; increased by 25% or more = WEAKNESS; otherwise Negligible	IV.B.3.c
	StdDev	**13.85**	10.10		
			STRENGTH		
ESOL Participation	(ES Average = 0%)			Standard Deviation reduced by 25% or more = STRENGTH; increased by 25% or more = WEAKNESS; otherwise Negligible	IV.B.3.d
	StdDev	**4.71**	4.66		
			NEGLIGIBLE		
Students Moved	Number moved in	**NA**	8785	Take into account the correlation between the number of students moved, the outcomes of other standards achieved in Section IV.B. and the length of time those results are expected to be maintained.	IV.B.3.e
	Number moved out	**NA**	8785		

Strength **Negligible** **Weakness**

Assessment of Proposed Changes

Figure 5.5 Elementary School Assessment

Elementary School Summary		Current	Aggregate Plan	Assessment Criteria	Policy
Years between 90-110%	# of Schools Strengthened	**NA**	27	Mean increased by 1.0 or more = STRENGTH; reduced by 1.0 or more = WEAKNESS; otherwise Negligible	IV.B.1.a
	# of Schools Weakened	**NA**	4		
	Mean	**4.1**	7.5		
			STRENGTH		
Proximity to school	# of Schools Strengthened	**NA**	17	Mean reduced by 100 or more = STRENGTH; increased by 100 or more = WEAKNESS; otherwise Negligible	IV.B.1.d
	# of Schools Weakened	**NA**	15		
	Mean	**5565**	5781		
	(smaller # = closer set of polygons)		**WEAKNESS**		
Students in walk area, percentage of change	# of Schools Strengthened	**NA**	0	Mean 2% increase or more = STRENGTH; decreased by 2% or more = WEAKNESS; otherwise Negligible	IV.B.1.d
	# of Schools Weakened	**NA**	3		
			WEAKNESS		
Small MS from ES Feeds (under 15%)				Feed information in middle and high school sections.	IV.B.2.a
Double Small Feed	# of Double Small Feeds	**1**	0	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible	IV.B.2.a
			STRENGTH		
Non-contiguous Attendance Areas	Number of "Islands"	**4**	2	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible	IV.B.2.b
			STRENGTH		
Students moved within 5 yrs of last ES move	Number	**NA**	0		IV.B.2.c
	% of Enrollment	**NA**	0.0%		
			0		
Balanced Farm %	(ES Average = 16%)			Standard Deviation reduced by 25% or more = STRENGTH; increased by 25% or more = WEAKNESS; otherwise	IV.B.3.b
	StdDev	**14.66**	14.56		
			NEGLIGIBLE		
Balanced Reading Test Pass Rate	(ES Average = 81%)			Standard Deviation reduced by 25% or more = STRENGTH; increased by 25% or more = WEAKNESS; otherwise Negligible	IV.B.3.c
	StdDev	**15.35**	12.03		
			NEGLIGIBLE		
Balanced Math Test Pass Rate	(ES Average = 87%)			Standard Deviation reduced by 25% or more = STRENGTH; increased by 25% or more = WEAKNESS; otherwise Negligible	IV.B.3.c
	StdDev	**14.54**	6.20		
			STRENGTH		
ESOL Participation	(ES Average = 7%)			Standard Deviation reduced by 25% or more = STRENGTH; increased by 25% or more = WEAKNESS; otherwise Negligible	IV.B.3.d
	StdDev	**4.86**	5.09		
			NEGLIGIBLE		
Students Moved	Number moved in	**NA**	4018	Take into account the correlation between the number of students moved, the outcomes of other standards achieved in Section IV.B. and the length of time those results are expected to be maintained.	IV.B.3.e
	Number moved out	**NA**	4018		

Strength **Negligible** **Weakness**

Assessment of Proposed Changes

Figure F-4 Middle School Assessment

Middle School Summary		Current	Aggregate Plan	Assessment Criteria	Policy
Years between 90-110%	# of Schools Strengthened	**NA**	8	Mean increased by 1.0 or more = STRENGTH; reduced by 1.0 or more = WEAKNESS; otherwise Negligible	IV.B.1.a
	# of Schools Weakened	**NA**	6		
	Mean	**6.3**	7.5		
			STRENGTH		
Proximity to school	# of Schools Strengthened	**NA**	10	Mean reduced by 100 or more = STRENGTH; increased by 100 or more = WEAKNESS; otherwise Negligible	IV.B.1.d
	# of Schools Weakened	**NA**	9		
	Mean	**8314**	8350		
	(smaller # = closer set of polygons)		**NEGLIGIBLE**		
Students in walk area, percentage of change	# of Schools Strengthened	**NA**	0	Mean 2% increase or more = STRENGTH; decreased by 2% or more = WEAKNESS; otherwise Negligible	IV.B.1.d
	# of Schools Weakened	**NA**	1		
			WEAKNESS		
Small MS from ES Feeds (under 15%)	# of Small Feeds	**17**	11	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible	IV.B.2.a
			STRENGTH		
Double Small Feed	# of Double Small Feeds	**1**	0	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible	IV.B.2.a
			STRENGTH		
Non-contiguous Attendance Areas	Number of "Islands"	**0**	1	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible	IV.B.2.b
			WEAKNESS		
Students moved within 5 yrs of last ES move	Number	**NA**	0		IV.B.2.c
	% of Enrollment	**NA**	0.0%		
			0		
Balanced Farm %	(MS Average = 17%)			Standard Deviation reduced by 25% or more = STRENGTH; increased by 25% or more = WEAKNESS; otherwise Negligible	IV.B.3.b
	StdDev	**12.89**	12.93		
			NEGLIGIBLE		
Balanced Reading Test Pass Rate	(MS Average = 86%)			Standard Deviation reduced by 25% or more = STRENGTH; increased by 25% or more = WEAKNESS; otherwise Negligible	IV.B.3.c
	StdDev	**2.46**	2.78		
			NEGLIGIBLE		
Balanced Math Test Pass Rate	(MS Average = 79%)			Standard Deviation reduced by 25% or more = STRENGTH; increased by 25% or more = WEAKNESS; otherwise Negligible	IV.B.3.c
	StdDev	**7.96**	8.02		
			NEGLIGIBLE		
ESOL Participation	(ES Average = 3%)			Standard Deviation reduced by 25% or more = STRENGTH; increased by 25% or more = WEAKNESS; otherwise Negligible	IV.B.3.d
	StdDev	**1.88**	1.96		
			NEGLIGIBLE		
Students Moved	Number moved in	**NA**	1076	Take into account the correlation between the number of students moved, the outcomes of other standards achieved in Section IV.B. and the length of time those results are expected to be maintained.	IV.B.3.e
	Number moved out	**NA**	1076		

Strength **Negligible** **Weakness**

Assessment of Proposed Changes

Figure 5.7 High School Assessment

High School Summary		Current	Aggregate Plan	Assessment Criteria	Policy
Years between 90-110%	# of Schools Strengthened	**NA**	4	Mean increased by 1.0 or more = STRENGTH; reduced by 1.0 or more = WEAKNESS; otherwise Negligible	IV.B.1.a
	# of Schools Weakened	**NA**	3		
	Mean	**5.3**	5.6		
			NEGLIGIBLE		
Proximity to school	# of Schools Strengthened	**NA**	4	Mean reduced by 100 or more = STRENGTH; increased by 100 or more = WEAKNESS; otherwise Negligible	IV.B.1.d
	# of Schools Weakened	**NA**	7		
	Mean	**11852**	12203		
	(smaller # = closer set of polygons)		**WEAKNESS**		
Students in walk area, percentage of change	# of Schools Strengthened	**NA**	0	Mean 2% increase or more = STRENGTH; decreased by 2% or more = WEAKNESS; otherwise Negligible	IV.B.1.d
	# of Schools Weakened	**NA**	5		
			WEAKNESS		
Small HS from MS Feeds (under 15%)	# of Small Feeds	**8**	6	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible	IV.B.2.a
			STRENGTH		
Double Small Feed	# of Double Small Feeds	**1**	0	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible	IV.B.2.a
			STRENGTH		
Non-contiguous Attendance Areas	Number of "Islands"	**0**	0	"After" count lower than "Before" = STRENGTH; "After" higher = WEAKNESS; otherwise Negligible	IV.B.2.b
			NEGLIGIBLE		
Students moved within 5 yrs of last ES move	Number	**NA**	0		IV.B.2.c
	% of Enrollment	**NA**	0.0%		
			0		
Balanced Farm %	(HS Average = 17%)			Standard Deviation reduced by 25% or more = STRENGTH; increased by 25% or more = WEAKNESS; otherwise Negligible	IV.B.3.b
	StdDev	**12.86**	12.01		
			NEGLIGIBLE		
Balanced Reading Test Pass Rate	(HS Average = 77%)			Standard Deviation reduced by 25% or more = STRENGTH; increased by 25% or more = WEAKNESS; otherwise Negligible	IV.B.3.c
	StdDev	**3.19**	2.81		
			NEGLIGIBLE		
Balanced Math Test Pass Rate	(HS Average = 67%)			Standard Deviation reduced by 25% or more = STRENGTH; increased by 25% or more = WEAKNESS; otherwise Negligible	IV.B.3.c
	StdDev	**7.43**	6.46		
			NEGLIGIBLE		
ESOL Participation	#DIV/0!			Standard Deviation reduced by 25% or more = STRENGTH; increased by 25% or more = WEAKNESS; otherwise Negligible	IV.B.3.d
	StdDev	**0.00**	2.65		
			#DIV/0!		
Students Moved	Number moved in	**NA**	3691	Take into account the correlation between the number of students moved, the outcomes of other standards achieved in Section IV.B. and the length of time those results are expected to be maintained.	IV.B.3.e
	Number moved out	**NA**	3691		

Strength **Negligible** **Weakness**

Changes of Race/Ethnicity based on Proposed Scenario

Figure 5.8 Elementary Race/Ethnicity

	Asian		Black or African American		Hispanic		Two or more		White	
Elementary School	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed
Atholton ES	9%	9%	18%	19%	10%	10%	9%	9%	53%	53%
Bellows Spring ES	24%	21%	23%	19%	11%	11%	6%	6%	35%	42%
Bollman Bridge ES	10%	10%	36%	33%	20%	19%	7%	7%	28%	31%
Bryant Woods ES	<5%	7%	54%	47%	11%	15%	10%	11%	21%	18%
Bushy Park ES	13%	15%	7%	6%	<5%	<5%	<5%	<5%	71%	70%
Centennial Lane ES	46%	46%	6%	6%	<5%	<5%	8%	8%	36%	36%
Clarksville ES	52%	46%	6%	6%	<5%	<5%	<5%	<5%	35%	42%
Clemens Crossing ES	16%	7%	12%	24%	10%	11%	10%	12%	51%	46%
Cradlerock ES	7%	7%	45%	45%	15%	17%	10%	9%	22%	21%
Dayton Oaks ES	23%	24%	8%	8%	<5%	<5%	<5%	5%	59%	59%
Deep Run ES	16%	20%	13%	17%	38%	41%	6%	5%	26%	17%
Ducketts Lane ES	18%	15%	37%	35%	18%	21%	<5%	<5%	23%	24%
Elkridge ES	14%	14%	24%	24%	8%	8%	7%	7%	47%	47%
Forest Ridge ES	25%	21%	33%	37%	12%	12%	7%	7%	22%	22%
Fulton ES	30%	30%	12%	12%	<5%	<5%	8%	8%	46%	46%
Gorman Crossing ES	25%	25%	33%	33%	14%	14%	6%	6%	22%	22%
Guilford ES	12%	12%	47%	44%	11%	12%	8%	9%	22%	23%
Hammond ES	14%	14%	29%	29%	11%	11%	7%	7%	38%	38%
Hollifield Station ES	43%	47%	12%	12%	13%	13%	<5%	<5%	28%	25%
Ilchester ES	26%	27%	8%	8%	<5%	<5%	6%	7%	57%	55%
Jeffers Hill ES	15%	15%	37%	37%	16%	15%	10%	10%	22%	22%
Laurel Woods ES	10%	13%	51%	47%	22%	23%	8%	8%	9%	8%
Lisbon ES	<5%	<5%	<5%	<5%	10%	9%	6%	6%	77%	77%
Longfellow ES	8%	7%	37%	43%	21%	19%	11%	10%	22%	20%
Manor Woods ES	47%	47%	6%	6%	<5%	<5%	<5%	<5%	39%	39%
New ES #42	<5%	21%	<5%	36%	<5%	18%	<5%	<5%	NA	20%
Northfield ES	29%	28%	8%	7%	6%	5%	8%	8%	49%	51%
Phelps Luck ES	6%	6%	40%	40%	29%	30%	8%	8%	17%	17%
Pointers Run ES	32%	33%	8%	8%	<5%	<5%	<5%	<5%	52%	50%
Rockburn ES	18%	16%	20%	12%	7%	<5%	7%	8%	48%	59%
Running Brook ES	5%	8%	50%	47%	13%	12%	10%	9%	21%	24%
St Johns Lane ES	39%	34%	11%	11%	<5%	<5%	<5%	<5%	44%	49%
Stevens Forest ES	<5%	7%	37%	30%	32%	19%	9%	12%	17%	32%
Swansfield ES	6%	6%	51%	50%	15%	15%	8%	8%	20%	21%
Talbott Springs ES	<5%	<5%	37%	45%	24%	36%	10%	8%	25%	10%
Thunder Hill ES	17%	17%	25%	26%	9%	9%	8%	8%	40%	40%
Triadelphia Ridge ES	29%	29%	6%	7%	6%	5%	9%	8%	51%	51%
Veterans ES	51%	52%	14%	15%	5%	5%	<5%	<5%	27%	25%
Waterloo ES	20%	20%	30%	30%	6%	8%	7%	8%	36%	35%
Waverly ES	39%	39%	6%	6%	<5%	<5%	<5%	<5%	49%	48%
West Friendship ES	22%	41%	<5%	6%	<5%	<5%	6%	6%	64%	43%
Worthington ES	35%	34%	7%	7%	<5%	<5%	<5%	<5%	48%	49%
Countywide Average		20.7%		22.6%		11.0%		6.8%		36.1%

American Indian/Alaska Native and Native Hawaiian/Other Pacific Islander are not shown as there is less than 5% population at each of the schools.

"<5%" indicates a school with less than 5% population for the specified race/ethnicity.

Changes of Race/Ethnicity based on Proposed Scenario

Figure 5.9 Middle and High Race/Ethnicity

	Asian		Black or African		Hispanic		Two or more		White	
Middle School	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed
Bonnie Branch MS	14%	14%	26%	24%	13%	12%	8%	8%	39%	42%
Burleigh Manor MS	43%	43%	9%	9%	<5%	<5%	7%	7%	36%	36%
Clarksville MS	37%	36%	6%	6%	<5%	<5%	5%	5%	48%	47%
Dunloggin MS	34%	37%	18%	17%	8%	7%	<5%	<5%	38%	36%
Elkridge Landing MS	14%	13%	19%	19%	7%	7%	7%	7%	54%	54%
Ellicott Mills MS	31%	30%	14%	15%	<5%	<5%	5%	<5%	45%	46%
Folly Quarter MS	24%	25%	5%	6%	<5%	<5%	6%	6%	61%	60%
Glenwood MS	7%	7%	<5%	<5%	<5%	<5%	6%	5%	78%	78%
Hammond MS	11%	11%	25%	25%	10%	10%	8%	8%	46%	46%
Harpers Choice MS	9%	9%	44%	49%	15%	16%	7%	6%	24%	21%
Lake Elkhorn MS	8%	8%	53%	51%	14%	13%	8%	8%	17%	19%
Lime Kiln MS	26%	25%	13%	14%	5%	<5%	8%	8%	48%	49%
Mayfield Woods MS	13%	13%	29%	30%	18%	19%	6%	6%	33%	31%
Mount View MS	32%	32%	6%	5%	<5%	<5%	<5%	5%	54%	55%
Murray Hill MS	18%	19%	43%	41%	19%	18%	5%	5%	16%	17%
Oakland Mills MS	5%	5%	40%	40%	21%	21%	9%	8%	25%	25%
Patapsco MS	29%	31%	11%	13%	8%	8%	<5%	<5%	47%	42%
Patuxent Valley MS	14%	14%	37%	39%	16%	17%	6%	6%	27%	25%
Thomas Viaduct MS	14%	14%	45%	46%	18%	20%	5%	5%	17%	15%
Wilde Lake MS	7%	6%	48%	44%	12%	12%	8%	9%	25%	28%
Countywide Average	19%		25%		10%		6%		39%	

	Asian		Black or African		Hispanic		Two or more		White	
High School	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed	Base	Proposed
Atholton HS	20%	9%	19%	37%	7%	13%	6%	7%	48%	33%
Centennial HS	38%	37%	9%	9%	5%	5%	6%	6%	43%	44%
Glenelg HS	10%	11%	<5%	5%	<5%	<5%	<5%	5%	77%	75%
Hammond HS	11%	14%	40%	37%	15%	12%	7%	7%	27%	30%
Howard HS	15%	15%	22%	22%	6%	6%	7%	7%	50%	50%
Long Reach HS	14%	13%	33%	28%	21%	16%	5%	6%	26%	36%
Marriotts Ridge HS	32%	33%	7%	7%	<5%	<5%	<5%	<5%	54%	52%
Mt Hebron HS	29%	31%	14%	15%	7%	8%	<5%	<5%	45%	41%
Oakland Mills HS	6%	10%	44%	40%	21%	25%	8%	6%	21%	18%
Reservoir HS	15%	15%	32%	32%	15%	15%	6%	6%	32%	32%
River Hill HS	32%	31%	6%	6%	<5%	<5%	7%	6%	52%	52%
Wilde Lake HS	7%	7%	46%	46%	13%	13%	8%	8%	26%	26%
Countywide Average	19%		23%		10%		6%		42%	

American Indian/Alaska Native and Native Hawaiian/Other Pacific Islander are not shown as there is less than 5% population at each of the schools.

"<5%" indicates a school with less than 5% population for the specified race/ethnicity.

Regional Program Chart

Figure 5.10 Regional Program Locations

Regional Program Locations

School	Programs
Atholton ES	Pre-K, Preschool, MINC
Bellows Spring ES	Pre-K, Preschool, MINC, EB, ES PL
Bollman Bridge ES	Title I, Pre-K, Preschool, MINC
Bryant Woods ES	Title I, ESM Full-day Pre-K
Bushy Park ES	Pre-K, Preschool
Centennial Lane ES	
Clarksville ES	
Clemens Crossing ES	
Cradlerock ES	Title I, Pre-K, Preschool
Dayton Oaks ES	Pre-K, Preschool, MINC, EB
Deep Run ES	Title I, Pre-K, Preschool, MINC
Ducketts Lane ES	
Elkridge ES	Pre-K
Forest Ridge ES	
Fulton ES	Regional ED
Gorman Crossing ES	Pre-K, Preschool, MINC
Guilford ES	Title I, Pre-K
Hammond ES	
Hollifield Station ES	Pre-K, Preschool, MINC
Ilchester ES	Pre-K, Preschool, MINC, ES PL
Jeffers Hill ES	
Laurel Woods ES	Title I, ESM Full-day Pre-K
Lisbon ES	
Longfellow ES	Title I, Pre-K, Preschool, MINC
Manor Woods ES	
New ES #42	
Northfield ES	
Phelps Luck ES	Title I, ESM Full-day Pre-K
Pointers Run ES	Pre-K, Preschool, MINC, ES PL, ALS
Rockburn ES	Pre-K, Preschool, MINC
Running Brook ES	Title I, ESM Full-day Pre-K, Preschool
St. John's Lane ES	
Stevens Forest ES	Title I, ESM Full-day Pre-K, Regional ED
Swansfield ES	Title I, Pre-K
Talbott Springs ES	Title I, ESM Full-day Pre-K
Thunder Hill ES	ALS
Triadelphia Ridge ES	EB
Veterans ES	EB, Pre-K, Preschool, MINC
Waterloo ES	Pre-K, Regional ED, Preschool, MINC
Waverly ES	Pre-K, ALS, Preschool, MINC, ES PL
West Friendship ES	
Worthington ES	

School	Programs
Bonnie Branch MS	
Burleigh Manor MS	
Clarksville MS	
Dunloggin MS	
Elkridge Landing MS	ALS
Ellicott Mills MS	Regional ED
Folly Quarter MS	
Glenwood MS	
Hammond MS	
Harper's Choice MS	
Lake Elkhorn MS	
Lime Kiln MS	ALS
Mayfield Woods MS	
Mount View MS	
Murray Hill MS	Regional ED
Oakland Mills MS	
Patapsco MS	
Patuxent Valley MS	
Thomas Viaduct MS	
Wilde Lake MS	

School	Programs
Atholton HS	JROTC, PSECDP
Centennial HS	
Glenelg HS	
Hammond HS	Regional ED
Howard HS	JROTC
Long Reach HS	PSECDP
Marriotts Ridge HS	PSECDP
Mt Hebron HS	Regional ED
Oakland Mills HS	ALS, JROTC, PSECDP
Reservoir HS	Regional ED
River Hill HS	PSECDP
Wilde Lake HS	PPS

ALS	Regional Academic Life Skills
Preschool	Preschool Program, including Parent Assisted Learning at Schools
Pre-K	Income qualifying Pre-K program. Astrisk (*) indicates 300% poverty qualification.
ESM Full-day Pre-K	Elementary School Model Full-day Pre-K program
EB	Early Beginnings - Special Education services for very young children
Title I	State approved based upon income
Regional ED	Regional Emotional Disabilities Program (draws from other schools)
Construction	Swing space for year round construction project
MINC	Multiple Intensive Needs Classroom (Toddler, Preschool/K, and/or Early Learner)
ES PL	Elementary School Primary Learner Program
JROTC	Junior Reserve Officers Training Corps
PPS	Pregnant and Parenting Students
PSECDP	Public School Employees' Child Development Program

Section 6

Pre- and Post-Measure Charts

The effects of some scenarios tested for this report on capacity utilization are depicted in tabular form on the following pages. The tables are presented for each organizational level (elementary, middle, and high) using a pre-/post-measures format. The pre-measures format shows the effect of projected enrollment without any attendance area adjustments. The pre-measures format also shows FY 2018 capital projects as approved.

The post-measures format shows the impact of projected enrollment with some attendance area adjustment plans discussed in this document. These plans include elementary, middle and high schools adjustments that use existing and proposed capacity. The post-measures format includes capital projects recommended in this document for the FY 2019 Capital Budget as shown in Figure 3.11 on page 15. If these projects are not approved, other plans must be developed.

June 2017

Pre-Measures

ELEMENTARY SCHOOLS - Data for Demonstrative Purposes Only

Capacity Utilization Rates with Board of Education's Approved FY 2018 Capital Budget Projects - Not Test for APFO

Chart reflects May 2017 Projections, Board of Education's FY 2018 approved capacities, and no redistricting.

		Capacity				2018-19		2019-20		2020-21		2021-22		2022-23		2023-24		2024-25		2025-26		2026-27		2027-28		2028-29	
Columbia - East		**2018**	**2019**	**2020**	**2021**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**
Cradlerock ES		398	398	398	398	416	104.5	394	99.0	380	95.5	374	94.0	351	88.2	363	91.2	363	91.2	368	92.5	374	94.0	377	94.7	383	96.2
Jeffers Hill ES		421	421	421	421	439	104.3	439	104.3	430	102.1	437	103.8	432	102.6	434	103.1	434	103.1	441	104.8	450	106.9	455	108.1	460	109.3
Phelps Luck ES		616	616	616	616	584	94.8	613	99.5	638	103.6	654	106.2	664	107.8	676	109.7	682	110.7	691	112.2	714	115.9 C	720	116.9 C	727	118.0 C
Stevens Forest ES		399	399	399	399	401	100.5	395	99.0	406	101.8	410	102.8	424	106.3	420	105.3	416	104.3	422	105.8	434	108.8	436	109.3	438	109.8
Talbott Springs ES		377	377	377	377	446	118.3 C	455	120.7 C	456	121.0 C	449	119.1 C	436	115.6 C	439	116.4 C	447	118.6 C	444	117.8 C	449	119.1 C	454	120.4 C	461	122.3 C
Thunder Hill ES		509	509	509	509	544	106.9	525	103.1	511	100.4	513	100.8	507	99.6	499	98.0	504	99.0	508	99.8	509	100.0	515	101.2	521	102.4
Region Totals		**2720**	**2720**	**2720**	**2720**	**2830**	**104.0**	**2821**	**103.7**	**2821**	**103.7**	**2837**	**104.3**	**2814**	**103.5**	**2831**	**104.1**	**2846**	**104.6**	**2874**	**105.7**	**2930**	**107.7**	**2957**	**108.7**	**2990**	**109.9**
Columbia - West																											
Bryant Woods ES		361	361	361	361	420	116.3 C	421	116.6 C	417	115.5 C	416	115.2 C	404	111.9	406	112.5	404	111.9	410	113.6	414	114.7	418	115.8 C	418	115.8 C
Clemens Crossing ES		521	521	521	521	576	110.6	609	116.9 C	652	125.1 C	670	128.6 C	694	133.2 C	723	138.8 C	735	141.1 C	781	149.9 C	801	153.7 C	821	157.6 C	830	159.3 C
Longfellow ES		512	512	512	512	412	80.5	400	78.1	393	76.8	385	75.2	392	76.6	390	76.2	388	75.8	396	77.3	401	78.3	406	79.3	412	80.5
New ES #44	NS	0	0	0	0																						
Running Brook ES		515	515	515	515	555	107.8	600	116.5 C	641	124.5 C	701	136.1 C	771	149.7 C	833	161.7 C	882	171.3 C	927	180.0 C	981	190.5 C	1032	200.4 C	1071	208.0 C
Swansfield ES	A	621	621	621	621	636	102.4	634	102.1	645	103.9	644	103.7	658	106.0	663	106.8	665	107.1	673	108.4	682	109.8	688	110.8	700	112.7
Region Totals		**2530**	**2530**	**2530**	**2530**	**2599**	**102.7**	**2664**	**105.3**	**2748**	**108.6**	**2816**	**111.3**	**2919**	**115.4 C**	**3015**	**119.2 C**	**3074**	**121.5 C**	**3187**	**126.0 C**	**3279**	**129.6 C**	**3365**	**101.4**	**3431**	**103.4**
Northeastern																											
Bellows Spring ES		751	751	751	751	744	99.1	780	103.9	852	113.4	885	117.8 C	936	124.6 C	964	128.4 C	1002	133.4 C	1010	134.5 C	979	130.4 C	962	128.1 C	945	125.8 C
Deep Run ES		772	772	772	772	794	102.8	815	105.6	851	110.2	892	115.5 C	917	118.8 C	954	123.6 C	976	126.4 C	1002	129.8 C	991	128.4 C	1005	130.2 C	1013	131.2 C
Ducketts Lane ES		770	770	770	770	1030	133.8 C	1166	151.4 C	1291	167.7 C	1454	188.8 C	1589	206.4 C	1639	212.9 C	1681	218.3 C	1687	219.1 C	1688	219.2 C	1692	219.7 C	1675	217.5 C
Elkridge ES		760	760	760	760	829	109.1	796	104.7	786	103.4	770	101.3	739	97.2	719	94.6	738	97.1	780	102.6	807	106.2	852	112.1	868	114.2
Ilchester ES		653	653	653	653	569	87.1	544	83.3	536	82.1	527	80.7	546	83.6	592	90.7	622	95.3	663	101.5	696	106.6	708	108.4	736	112.7
New ES #42	NS	788	788	788	788																						
Rockburn ES		653	653	653	653	689	105.5	710	108.7	753	115.3 C	761	116.5 C	767	117.5 C	779	119.3 C	808	123.7 C	851	130.3 C	856	131.1 C	887	135.8 C	927	142.0 C
Veterans ES		821	821	821	821	886	107.9	896	109.1	905	110.2	900	109.6	886	107.9	874	106.5	882	107.4	869	105.8	867	105.6	923	112.4	944	115.0
Waterloo ES		663	663	663	663	559	84.3	530	79.9	544	82.1	539	81.3	552	83.3	551	83.1	547	82.5	556	83.9	562	84.8	568	85.7	584	88.1
Worthington ES		590	590	590	590	465	78.8	423	71.7	415	70.3	402	68.1	408	69.2	423	71.7	442	74.9	471	79.8	481	81.5	492	83.4	547	92.7
Region Totals		**7221**	**7221**	**7221**	**7221**	**6565**	**90.9**	**6660**	**92.2**	**6933**	**96.0**	**7130**	**98.7**	**7340**	**101.6**	**7495**	**103.8**	**7698**	**106.6**	**7889**	**109.3**	**7927**	**109.8**	**8089**	**112.0**	**8239**	**114.1**
Northern																											
Centennial Lane ES		647	647	647	647	738	114.1	740	114.4	744	115.0	738	114.1	741	114.5	721	111.4	718	111.0	718	111.0	713	110.2	718	111.0	726	112.2
Hollifield Station ES		694	694	694	694	796	114.7	806	116.1 C	842	121.3 C	841	121.2 C	827	119.2 C	814	117.3 C	842	121.3 C	834	120.2 C	830	119.6 C	851	122.6 C	869	125.2 C
Manor Woods ES		681	681	681	681	862	126.6 C	947	139.1 C	1042	153.0 C	1147	168.4 C	1249	183.4 C	1350	198.2 C	1412	207.3 C	1446	212.3 C	1459	214.2 C	1446	212.3 C	1405	206.3 C
New ES #45	NS	0	0	0	0																						
Northfield ES		700	700	700	700	744	106.3	739	105.6	742	106.0	753	107.6	750	107.1	737	105.3	736	105.1	748	106.9	753	107.6	778	111.1	779	111.3
St Johns Lane ES		612	612	612	612	718	117.3 C	730	119.3 C	734	119.9 C	739	120.8 C	762	124.5 C	789	128.9 C	821	134.2 C	856	139.9 C	852	139.2 C	857	140.0 C	863	141.0 C
Waverly ES	A	738	738	738	738	686	93.0	671	90.9	659	89.3	632	85.6	611	82.8	607	82.2	607	82.2	622	84.3	624	84.6	632	85.6	641	86.9
Region Totals		**4072**	**4072**	**4072**	**4072**	**4544**	**111.6**	**4633**	**113.8**	**4763**	**117.0 C**	**4850**	**119.1 C**	**4940**	**121.3 C**	**5018**	**123.2 C**	**5136**	**126.1 C**	**5224**	**128.3 C**	**5231**	**128.5 C**	**5282**	**129.7 C**	**5283**	**129.7 C**
Southeastern																											
Atholton ES		424	424	424	424	455	107.3	457	107.8	460	108.5	447	105.4	418	98.6	416	98.1	414	97.6	414	97.6	412	97.2	415	97.9	418	98.6
Bollman Bridge ES		666	666	666	666	707	106.2	717	107.7	741	111.3	757	113.7	761	114.3	772	115.9 C	784	117.7 C	776	116.5 C	768	115.3 C	767	115.2 C	768	115.3 C
Forest Ridge ES		713	713	713	713	701	98.3	713	100.0	756	106.0	776	108.8	813	114.0	852	119.5 C	894	125.4 C	918	128.8 C	952	133.5 C	953	133.7 C	945	132.5 C
Gorman Crossing ES		735	735	735	735	760	103.4	792	107.8	798	108.6	836	113.7	839	114.1	830	112.9	803	109.3	803	109.3	809	110.1	790	107.5	774	105.3
Guilford ES		465	465	465	465	432	92.9	434	93.3	413	88.8	410	88.2	414	89.0	415	89.2	451	97.0	484	104.1	488	104.9	482	103.7	483	103.9
Hammond ES		653	653	653	653	644	98.6	649	99.4	644	98.6	661	101.2	705	108.0	792	121.3 C	830	127.1 C	874	133.8 C	923	141.3 C	971	148.7 C	1038	159.0 C
Laurel Woods ES		640	640	640	640	528	82.5	514	80.3	491	76.7	482	75.3	469	73.3	462	72.2	459	71.7	449	70.2	467	73.0	473	73.9	479	74.8
New ES #43	NS	0	0	0	0																						
Region Totals		**4296**	**4296**	**4296**	**4296**	**4227**	**98.4**	**4276**	**99.5**	**4303**	**100.2**	**4369**	**101.7**	**4419**	**102.9**	**4539**	**89.3**	**4635**	**91.2**	**4718**	**92.8**	**4819**	**94.8**	**4851**	**95.4**	**4905**	**96.5**
Western																											
Bushy Park ES		788	788	788	788	571	72.5	550	69.8	546	69.3	507	64.3	499	63.3	483	61.3	478	60.7	490	62.2	494	62.7	514	65.2	551	69.9
Clarksville ES		612	612	612	612	408	66.7	414	67.6	409	66.8	413	67.5	429	70.1	409	66.8	410	67.0	416	68.0	422	69.0	425	69.4	425	69.4
Dayton Oaks ES		788	788	788	788	591	75.0	588	74.6	594	75.4	606	76.9	582	73.9	588	74.6	588	74.6	590	74.9	569	72.2	565	71.7	563	71.4
Fulton ES		788	788	788	788	920	116.8 C	984	124.9 C	1051	133.4 C	1099	139.5 C	1111	141.0 C	1123	142.5 C	1119	142.0 C	1087	137.9 C	1053	133.6 C	1018	129.2 C	980	124.4 C
Lisbon ES		527	527	527	527	451	85.6	440	83.5	430	81.6	424	80.5	417	79.1	421	79.9	425	80.6	460	87.3	482	91.5	506	96.0	519	98.5
Pointers Run ES		744	744	744	744	705	94.8	699	94.0	711	95.6	755	101.5	795	106.9	814	109.4	824	110.8	830	111.6	824	110.8	799	107.4	770	103.5
Triadelphia Ridge ES		581	581	581	581	569	97.9	571	98.3	555	95.5	573	98.6	578	99.5	580	99.8	578	99.5	575	99.0	575	99.0	573	98.6	568	97.8
West Friendship ES		414	414	414	414	334	80.7	326	78.7	352	85.0	347	83.8	370	89.4	399	96.4	405	97.8	410	99.0	403	97.3	404	97.6	406	98.1
Region Totals		**5242**	**5242**	**5242**	**5242**	**4549**	**86.8**	**4572**	**87.2**	**4648**	**88.7**	**4724**	**90.1**	**4781**	**91.2**	**4817**	**91.9**	**4827**	**92.1**	**4858**	**92.7**	**4822**	**92.0**	**4804**	**91.6**	**4782**	**91.2**
Countywide Totals		26081	26081	26081	26081	25314	**97.1**	25626	**98.3**	26216	**100.5**	26726	**102.5**	27213	**104.3**	27715	**103.1**	28216	**105.0**	28750	**107.0**	29008	**108.0**	29348	**106.1**	29630	**107.1**

'A' includes additions as reflected in FY 2018 CIP for grades K-5

'NS' New School proposed in FY 2018 Capital Budget

Post-Measures

Aggregate Plan

ELEMENTARY SCHOOLS - Data for Demonstrative Purposes Only

Capacity Utilization Rates with Proposed FY 2019 Capital Budget Projects - Not Test for APFO

Chart reflects May 2017 Projections, potential FY 2019 requested capacities and estimated redistricting.

		Capacity				2018-19		2019-20		2020-21		2021-22		2022-23		2023-24		2024-25		2025-26		2026-27		2027-28		2028-29	
Columbia - East		**2018**	**2019**	**2020**	**2021**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**
Cradlerock ES		398	398	398	398	418	105.0	412	103.5	398	100.0	390	98.0	367	92.2	380	95.5	383	96.2	386	97.0	392	98.5	396	99.5	402	101.0
Jeffers Hill ES		421	421	421	421	439	104.3	439	104.3	430	102.1	437	103.8	432	102.6	434	103.1	434	103.1	441	104.8	450	106.9	455	108.1	460	109.3
Phelps Luck ES		616	616	616	616	584	94.8	612	99.4	637	103.4	653	106.0	663	107.6	676	109.7	682	110.7	690	112.0	713	115.7 C	720	116.9 C	727	118.0 C
Stevens Forest ES		399	399	399	399	396	99.2	394	98.7	400	100.3	400	100.3	407	102.0	403	101.0	402	100.8	405	101.5	413	103.5	417	104.5	419	105.0
Talbott Springs ES		377	377	487	487	396	105.0	394	104.5	399	81.9	398	81.7	394	80.9	392	80.5	396	81.3	399	81.9	405	83.2	408	83.8	412	84.6
Thunder Hill ES		509	509	509	509	545	107.1	525	103.1	511	100.4	514	101.0	507	99.6	499	98.0	504	99.0	509	100.0	510	100.2	515	101.2	521	102.4
Region Totals		**2720**	**2720**	**2830**	**2830**	**2778**	**102.1**	**2776**	**102.1**	**2775**	**98.1**	**2792**	**98.7**	**2770**	**97.9**	**2784**	**98.4**	**2801**	**99.0**	**2830**	**100.0**	**2883**	**101.9**	**2911**	**102.9**	**2941**	**103.9**
Columbia - West																											
Bryant Woods ES		361	361	361	361	314	87.0	330	91.4	343	95.0	359	99.4	379	105.0	401	111.1	417	115.5 C	434	120.2 C	453	125.5 C	472	130.7 C	484	134.1 C
Clemens Crossing ES		521	521	521	521	497	95.4	520	99.8	545	104.6	549	105.4	562	107.9	577	110.7	587	112.7	610	117.1 C	627	120.3 C	640	122.8 C	641	123.0 C
Longfellow ES		512	512	512	512	552	107.8	539	105.3	532	103.9	523	102.1	528	103.1	527	102.9	524	102.3	534	104.3	540	105.5	546	106.6	551	107.6
New ES #44	NS	0	0	0	0																						
Running Brook ES		515	515	515	515	447	86.8	476	92.4	501	97.3	548	106.4	592	115.0	633	122.9 C	664	128.9 C	696	135.1 C	737	143.1 C	771	149.7 C	799	155.1 C
Swansfield ES	A	621	621	621	621	652	105.0	652	105.0	664	106.9	662	106.6	678	109.2	683	110.0	687	110.6	695	111.9	705	113.5	713	114.8	724	116.6 C
Region Totals		**2530**	**2530**	**2530**	**2530**	**2462**	**97.3**	**2517**	**99.5**	**2585**	**102.2**	**2641**	**104.4**	**2739**	**108.3**	**2821**	**111.5**	**2879**	**113.8**	**2969**	**117.4 C**	**3062**	**121.0 C**	**3142**	**94.7**	**3199**	**96.4**
Northeastern																											
Bellows Spring ES		751	751	751	751	587	78.2	598	79.6	627	83.5	647	86.2	674	89.7	697	92.8	720	95.9	732	97.5	710	94.5	704	93.7	698	92.9
Deep Run ES		750	750	750	750	604	80.5	643	85.7	689	91.9	742	98.9	780	104.0	807	107.6	826	110.1	845	112.7	842	112.3	854	113.9	857	114.3
Ducketts Lane ES		770	770	770	770	645	83.8	711	92.3	771	100.1	851	110.5	906	117.7 C	922	119.7 C	933	121.2 C	919	119.4 C	913	118.6 C	911	118.3 C	896	116.4 C
Elkridge ES		760	760	760	760	829	109.1	796	104.7	786	103.4	771	101.4	740	97.4	720	94.7	739	97.2	780	102.6	808	106.3	853	112.2	869	114.3
Ilchester ES		653	653	653	653	626	95.9	604	92.5	598	91.6	596	91.3	613	93.9	661	101.2	696	106.6	738	113.0	770	117.9 C	789	120.8 C	821	125.7 C
New ES #42	NS	832	832	832	832	685	82.3	757	91.0	841	101.1	921	110.7	1008	121.2 C	1061	127.5 C	1102	132.5 C	1152	138.5 C	1156	138.9 C	1178	141.6 C	1206	145.0 C
Rockburn ES		653	653	653	653	591	90.5	610	93.4	652	99.8	655	100.3	659	100.9	664	101.7	692	106.0	707	108.3	700	107.2	699	107.0	701	107.4
Veterans ES		799	799	799	799	917	114.8	927	116.0 C	937	117.3 C	930	116.4 C	917	114.8	898	112.4	908	113.6	903	113.0	904	113.1	955	119.5 C	976	122.2 C
Waterloo ES		663	663	663	663	641	96.7	616	92.9	642	96.8	641	96.7	659	99.4	660	99.5	660	99.5	670	101.1	677	102.1	680	102.6	693	104.5
Worthington ES		515	515	515	515	546	106.0	502	97.5	496	96.3	482	93.6	486	94.4	508	98.6	526	102.1	553	107.4	563	109.3	580	112.6	638	123.9 C
Region Totals		**7146**	**7146**	**7146**	**7146**	**6671**	**93.4**	**6764**	**94.7**	**7039**	**98.5**	**7236**	**101.3**	**7442**	**104.1**	**7598**	**106.3**	**7802**	**109.2**	**7999**	**111.9**	**8043**	**112.6**	**8203**	**114.8**	**8355**	**116.9 C**
Northern																											
Centennial Lane ES		647	647	647	647	738	114.1	741	114.5	744	115.0	738	114.1	741	114.5	721	111.4	718	111.0	718	111.0	713	110.2	719	111.1	727	112.4
Hollifield Station ES		732	732	732	732	760	103.8	775	105.9	808	110.4	811	110.8	801	109.4	790	107.9	817	111.6	807	110.2	799	109.2	818	111.7	833	113.8
Manor Woods ES		681	681	681	681	620	91.0	661	97.1	703	103.2	746	109.5	776	114.0	823	120.9 C	843	123.8 C	851	125.0 C	860	126.3 C	857	125.8 C	834	122.5 C
New ES #45	NS	0	0	0	0																						
Northfield ES		700	700	700	700	683	97.6	680	97.1	682	97.4	693	99.0	690	98.6	678	96.9	676	96.6	686	98.0	686	98.0	711	101.6	712	101.7
St Johns Lane ES		612	612	612	612	635	103.8	639	104.4	642	104.9	640	104.6	654	106.9	673	110.0	700	114.4	717	117.2 C	719	117.5 C	726	118.6 C	737	120.4 C
Waverly ES	A	760	760	760	760	775	102.0	777	102.2	792	104.2	797	104.9	810	106.6	830	109.2	836	110.0	871	114.6	870	114.5	873	114.9	871	114.6
Region Totals		**4132**	**4132**	**4132**	**4132**	**4211**	**101.9**	**4273**	**103.4**	**4371**	**105.8**	**4425**	**107.1**	**4472**	**108.2**	**4515**	**109.3**	**4590**	**111.1**	**4650**	**112.5**	**4647**	**112.5**	**4704**	**113.8**	**4714**	**114.1**
Southeastern																											
Atholton ES		424	424	424	424	455	107.3	457	107.8	460	108.5	448	105.7	419	98.8	417	98.3	415	97.9	414	97.6	413	97.4	415	97.9	418	98.6
Bollman Bridge ES		666	666	666	666	611	91.7	620	93.1	640	96.1	654	98.2	658	98.8	667	100.2	679	102.0	671	100.8	664	99.7	666	100.0	667	100.2
Forest Ridge ES		713	713	713	713	669	93.8	676	94.8	713	100.0	730	102.4	760	106.6	796	111.6	828	116.1 C	845	118.5 C	870	122.0 C	867	121.6 C	859	120.5 C
Gorman Crossing ES		735	735	735	735	757	103.0	789	107.3	795	108.2	833	113.3	835	113.6	827	112.5	800	108.8	800	108.8	806	109.7	788	107.2	770	104.8
Guilford ES		465	465	465	465	480	103.2	485	104.3	462	99.4	459	98.7	462	99.4	463	99.6	500	107.5	533	114.6	538	115.7 C	533	114.6	534	114.8
Hammond ES		653	653	653	653	646	98.9	650	99.5	646	98.9	663	101.5	707	108.3	794	121.6 C	832	127.4 C	876	134.2 C	924	141.5 C	972	148.9 C	1040	159.3 C
Laurel Woods ES		640	640	640	640	660	103.1	652	101.9	639	99.8	635	99.2	630	98.4	627	98.0	636	99.4	633	98.9	658	102.8	665	103.9	672	105.0
New ES #43	NS	0	0	0	0																						
Region Totals		**4296**	**4296**	**4296**	**4296**	**4278**	**99.6**	**4329**	**100.8**	**4355**	**101.4**	**4422**	**102.9**	**4471**	**104.1**	**4591**	**90.3**	**4690**	**92.3**	**4772**	**93.9**	**4873**	**95.8**	**4906**	**96.5**	**4960**	**97.6**
Western																											
Bushy Park ES		788	788	788	788	801	101.6	775	98.4	778	98.7	737	93.5	738	93.7	735	93.3	733	93.0	747	94.8	749	95.1	772	98.0	808	102.5
Clarksville ES		543	543	543	543	525	96.7	523	96.3	514	94.7	534	98.3	571	105.2	567	104.4	578	106.4	582	107.2	586	107.9	583	107.4	574	105.7
Dayton Oaks ES		769	769	769	769	630	81.9	658	85.6	653	84.9	714	92.8	695	90.4	706	91.8	705	91.7	711	92.5	689	89.6	680	88.4	673	87.5
Fulton ES		826	826	826	826	921	111.5	985	119.2 C	1052	127.4 C	1100	133.2 C	1112	134.6 C	1124	136.1 C	1120	135.6 C	1087	131.6 C	1054	127.6 C	1019	123.4 C	981	118.8 C
Lisbon ES		527	527	527	527	451	85.6	441	83.7	431	81.8	424	80.5	417	79.1	422	80.1	426	80.8	461	87.5	482	91.5	507	96.2	519	98.5
Pointers Run ES		744	744	744	744	702	94.4	694	93.3	701	94.2	722	97.0	732	98.4	738	99.2	742	99.7	773	103.9	772	103.8	764	102.7	758	101.9
Triadelphia Ridge ES		581	581	581	581	571	98.3	573	98.6	578	99.5	603	103.8	606	104.3	610	105.0	607	104.5	601	103.4	604	104.0	600	103.3	595	102.4
West Friendship ES		414	414	414	414	311	75.1	335	80.9	375	90.6	406	98.1	464	112.1	518	125.1 C	554	133.8 C	584	141.1 C	582	140.6 C	572	138.2 C	565	136.5 C
Region Totals		**5192**	**5192**	**5192**	**5192**	**4912**	**94.6**	**4984**	**96.0**	**5082**	**97.9**	**5240**	**100.9**	**5335**	**102.8**	**5420**	**104.4**	**5465**	**105.3**	**5546**	**106.8**	**5518**	**106.3**	**5497**	**105.9**	**5473**	**105.4**
Countywide Totals		26016	26016	26126	26126	25312	**97.3**	25643	**98.6**	26207	**100.3**	26756	**102.4**	27229	**104.2**	27729	**103.0**	28227	**104.9**	28766	**106.9**	29026	**107.8**	29363	**106.0**	29642	**107.0**

'A' includes additions as reflected in FY 2019 CIP for grades K-5

'NS' New School proposed in FY 2019 Capital Budget

Pre-Measures

MIDDLE SCHOOLS - Data for Demonstrative Purposes Only

Capacity Utilization Rates with Board of Education's Approved FY 2018 Capital Budget Projects - Not Test for APFO

Chart reflects May 2017 Projections, Board of Education's FY 2018 approved capacities, and no redistricting.

		Capacity				2018-19		2019-20		2020-21		2021-22		2022-23		2023-24		2024-25		2025-26		2026-27		2027-28		2028-29	
Columbia - East		**2018**	**2019**	**2020**	**2021**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**
Lake Elkhorn MS		643	643	643	643	609	94.7	605	94.1	603	93.8	585	91.0	591	91.9	557	86.6	553	86.0	532	82.7	546	84.9	553	86.0	557	86.6
Oakland Mills MS		506	506	506	506	499	98.6	512	101.2	506	100.0	497	98.2	495	97.8	513	101.4	506	100.0	501	99.0	495	97.8	496	98.0	496	98.0
Region MS Totals		1149	1149	1149	1149	1108	96.4	1117	97.2	1109	96.5	1082	94.2	1086	94.5	1070	93.1	1059	92.2	1033	89.9	1041	90.6	1049	91.3	1053	91.6
Columbia - West																											
Harpers Choice MS		506	506	506	506	572	113.0	573	113.2	567	112.1	585	115.6 C	562	111.1	570	112.6	573	113.2	590	116.6 C	596	117.8 C	590	116.6 C	597	118.0 C
Wilde Lake MS		760	760	760	760	590	77.6	634	83.4	652	85.8	673	88.6	705	92.8	732	96.3	792	104.2	847	111.4	891	117.2 C	911	119.9 C	936	123.2 C
Region MS Totals		1266	1266	1266	1266	1162	91.8	1207	95.3	1219	96.3	1258	99.4	1267	100.1	1302	102.8	1365	107.8	1437	113.5	1487	117.5 C	1501	118.6 C	1533	121.1 C
Northeastern																											
Bonnie Branch MS		662	662	662	662	747	112.8	732	110.6	696	105.1	670	101.2	681	102.9	697	105.3	703	106.2	702	106.0	719	108.6	732	110.6	761	115.0
Elkridge Landing MS		779	779	779	779	704	90.4	710	91.1	688	88.3	720	92.4	734	94.2	747	95.9	732	94.0	716	91.9	740	95.0	767	98.5	789	101.3
Ellicott Mills MS	A	701	701	701	701	897	128.0 C	943	134.5 C	919	131.1 C	906	129.2 C	857	122.3 C	858	122.4 C	827	96.5	810	94.5	801	93.5	814	95.0	854	99.6
Mayfield Woods MS		798	798	798	798	745	93.4	809	101.4	843	105.6	864	108.3	843	105.6	858	107.5	900	112.8	929	116.4 C	1003	125.7 C	1020	127.8 C	1057	132.5 C
New MS #21	NS	0	0	0	0																						
Thomas Viaduct MS		701	701	701	701	662	94.4	716	102.1	798	113.8	839	119.7 C	877	125.1 C	973	138.8 C	1103	157.3 C	1247	177.9 C	1327	189.3 C	1379	196.7 C	1427	203.6 C
Region MS Totals		3641	3641	3641	3641	3755	103.1	3910	107.4	3944	108.3	3999	109.8	3992	109.6	4133	113.5	4265	112.3	4404	116.0 C	4590	120.9 C	4712	124.1 C	4888	128.7 C
Northern																											
Burleigh Manor MS		779	779	779	779	808	103.7	820	105.3	859	110.3	858	110.1	865	111.0	886	113.7	925	118.7 C	965	123.9 C	971	124.6 C	976	125.3 C	971	124.6 C
Dunloggin MS	A	565	565	565	565	627	111.0	650	115.0 C	658	116.5 C	694	122.8 C	711	107.4	730	110.3	720	108.8	704	106.3	698	105.4	712	107.6	717	108.3
Patapsco MS		643	643	643	643	691	107.5	686	106.7	697	108.4	735	114.3	764	118.8 C	769	119.6 C	776	120.7 C	775	120.5 C	803	124.9 C	811	126.1 C	815	126.7 C
Region MS Totals		1987	1987	1987	1987	2126	107.0	2156	108.5	2214	111.4	2287	115.1 C	2340	112.3	2385	114.4	2421	116.2 C	2444	117.3 C	2472	118.6 C	2499	119.9 C	2503	120.1 C
Southeastern																											
Hammond MS		604	604	604	604	551	91.2	570	94.4	608	100.7	612	101.3	661	109.4	693	114.7	706	116.9 C	705	116.7 C	722	119.5 C	732	121.2 C	743	123.0 C
Murray Hill MS		662	662	662	662	706	106.6	738	111.5	791	119.5 C	769	116.2 C	754	113.9	737	111.3	781	118.0 C	778	117.5 C	774	116.9 C	751	113.4	746	112.7
Patuxent Valley MS		760	760	760	760	680	89.5	668	87.9	692	91.1	656	86.3	649	85.4	654	86.1	672	88.4	702	92.4	721	94.9	737	97.0	737	97.0
Region MS Totals		2026	2026	2026	2026	1937	95.6	1976	97.5	2091	103.2	2037	100.5	2064	101.9	2084	102.9	2159	106.6	2185	107.8	2217	109.4	2220	109.6	2226	109.9
Western																											
Clarksville MS		643	643	643	643	515	80.1	532	82.7	524	81.5	503	78.2	477	74.2	476	74.0	477	74.2	510	79.3	493	76.7	501	77.9	495	77.0
Folly Quarter MS		662	662	662	662	621	93.8	639	96.5	634	95.8	628	94.9	616	93.1	605	91.4	608	91.8	599	90.5	602	90.9	590	89.1	592	89.4
Glenwood MS		545	545	545	545	520	95.4	548	100.6	544	99.8	534	98.0	502	92.1	492	90.3	477	87.5	484	88.8	506	92.8	517	94.9	539	98.9
Lime Kiln MS		701	701	701	701	737	105.1	773	110.3	777	110.8	789	112.6	829	118.3 C	836	119.3 C	848	121.0 C	856	122.1 C	899	128.2 C	921	131.4 C	911	130.0 C
Mount View MS		798	798	798	798	822	103.0	840	105.3	857	107.4	886	111.0	906	113.5	929	116.4 C	969	121.4 C	971	121.7 C	1007	126.2 C	1000	125.3 C	1017	127.4 C
Region MS Totals		3349	3349	3349	3349	3215	96.0	3332	99.5	3336	99.6	3340	99.7	3330	99.4	3338	99.7	3379	100.9	3420	102.1	3507	104.7	3529	105.4	3554	106.1
Countywide Totals		13418	13418	13418	13418	13303	99.1	13698	102.1	13913	103.7	14003	104.4	14079	104.2	14312	105.9	14648	107.1	14923	109.2	15314	112.0	15510	113.5	15757	115.3

'A' includes additions as reflected in FY 2018 CIP for grades 6-8

'NS' New School proposed in FY 2018 Capital Budget

Post-Measures

Aggregate Plan

MIDDLE SCHOOLS - Data for Demonstrative Purposes Only

Capacity Utilization Rates with Proposed FY 2019 Capital Budget Projects - Not Test for APFO

Chart reflects May 2017 Projections, potential FY 2019 requested capacities and estimated redistricting.

		Capacity				2018-19		2019-20		2020-21		2021-22		2022-23		2023-24		2024-25		2025-26		2026-27		2027-28		2028-29	
Columbia - East		**2018**	**2019**	**2020**	**2021**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**
Lake Elkhorn MS		643	643	643	643	698	108.6	699	108.7	702	109.2	683	106.2	688	107.0	662	103.0	662	103.0	650	101.1	669	104.0	680	105.8	688	107.0
Oakland Mills MS		506	506	506	506	510	100.8	521	103.0	514	101.6	505	99.8	505	99.8	519	102.6	514	101.6	507	100.2	501	99.0	503	99.4	503	99.4
Region MS Totals		1149	1149	1149	1149	1208	105.1	1220	106.2	1216	105.8	1188	103.4	1193	103.8	1181	102.8	1176	102.3	1157	100.7	1170	101.8	1183	103.0	1191	103.7
Columbia - West																											
Harpers Choice MS		506	506	506	506	502	99.2	505	99.8	500	98.8	515	101.8	494	97.6	501	99.0	504	99.6	518	102.4	524	103.6	518	102.4	523	103.4
Wilde Lake MS		760	760	760	760	651	85.7	690	90.8	707	93.0	730	96.1	758	99.7	784	103.2	840	110.5	894	117.6 C	934	122.9 C	951	125.1 C	977	128.6 C
Region MS Totals		1266	1266	1266	1266	1153	91.1	1195	94.4	1207	95.3	1245	98.3	1252	98.9	1285	101.5	1344	106.2	1412	111.5	1458	115.2 C	1469	116.0 C	1500	118.5 C
Northeastern																											
Bonnie Branch MS		701	701	701	701	786	112.1	772	110.1	734	104.7	706	100.7	714	101.9	730	104.1	734	104.7	731	104.3	747	106.6	761	108.6	791	112.8
Elkridge Landing MS		779	779	779	779	775	99.5	788	101.2	768	98.6	804	103.2	816	104.7	832	106.8	821	105.4	809	103.9	842	108.1	870	111.7	896	115.0 C
Ellicott Mills MS	A	701	701	701	857	768	109.6	808	115.3 C	786	112.1	776	90.5	733	85.5	734	85.6	708	82.6	695	81.1	689	80.4	700	81.7	734	85.6
Mayfield Woods MS		798	798	798	798	716	89.7	773	96.9	809	101.4	826	103.5	808	101.3	824	103.3	868	108.8	901	112.9	968	121.3 C	985	123.4 C	1020	127.8 C
New MS #21	NS	0	0	0	0																						
Thomas Viaduct MS		701	701	701	701	552	78.7	603	86.0	677	96.6	719	102.6	756	107.8	844	120.4 C	962	137.2 C	1090	155.5 C	1162	165.8 C	1209	172.5 C	1252	178.6 C
Region MS Totals		3680	3680	3680	3836	3597	97.7	3744	101.7	3774	102.6	3831	99.9	3827	99.8	3964	103.3	4093	106.7	4226	110.2	4408	114.9	4525	118.0 C	4693	122.3 C
Northern																											
Burleigh Manor MS		779	779	779	779	779	100.0	791	101.5	829	106.4	828	106.3	834	107.1	855	109.8	892	114.5	931	119.5 C	936	120.2 C	940	120.7 C	936	120.2 C
Dunloggin MS	A	565	565	565	662	611	108.1	637	112.7	643	113.8	675	102.0	685	103.5	703	106.2	691	104.4	674	101.8	668	100.9	680	102.7	688	103.9
Patapsco MS		643	643	643	643	664	103.3	661	102.8	672	104.5	710	110.4	736	114.5	742	115.4 C	747	116.2 C	747	116.2 C	768	119.4 C	777	120.8 C	780	121.3 C
Region MS Totals		1987	1987	1987	2084	2054	103.4	2089	105.1	2144	107.9	2213	106.2	2255	108.2	2300	110.4	2330	111.8	2352	112.9	2372	113.8	2397	115.0 C	2404	115.4 C
Southeastern																											
Hammond MS		604	604	604	604	551	91.2	570	94.4	608	100.7	612	101.3	661	109.4	693	114.7	706	116.9 C	705	116.7 C	722	119.5 C	732	121.2 C	743	123.0 C
Murray Hill MS		662	662	662	662	637	96.2	666	100.6	716	108.2	698	105.4	685	103.5	671	101.4	713	107.7	710	107.3	708	106.9	687	103.8	683	103.2
Patuxent Valley MS		760	760	760	760	749	98.6	740	97.4	767	100.9	727	95.7	718	94.5	720	94.7	740	97.4	770	101.3	787	103.6	801	105.4	800	105.3
Region MS Totals		2026	2026	2026	2026	1937	95.6	1976	97.5	2091	103.2	2037	100.5	2064	101.9	2084	102.9	2159	106.6	2185	107.8	2217	109.4	2220	109.6	2226	109.9
Western																											
Clarksville MS		643	643	643	643	643	100.0	667	103.7	658	102.3	639	99.4	622	96.7	620	96.4	626	97.4	658	102.3	654	101.7	667	103.7	660	102.6
Folly Quarter MS		662	662	662	662	713	107.7	733	110.7	729	110.1	725	109.5	716	108.2	707	106.8	713	107.7	706	106.6	711	107.4	697	105.3	702	106.0
Glenwood MS		545	545	545	545	551	101.1	579	106.2	575	105.5	565	103.7	531	97.4	521	95.6	506	92.8	513	94.1	535	98.2	546	100.2	567	104.0
Lime Kiln MS		701	701	701	701	614	87.6	646	92.2	652	93.0	665	94.9	702	100.1	712	101.6	723	103.1	734	104.7	770	109.8	790	112.7	783	111.7
Mount View MS		798	798	798	798	833	104.4	849	106.4	867	108.6	895	112.2	917	114.9	938	117.5 C	978	122.6 C	980	122.8 C	1019	127.7 C	1016	127.3 C	1031	129.2 C
Region MS Totals		3349	3349	3349	3349	3354	100.1	3474	103.7	3481	103.9	3489	104.2	3488	104.2	3498	104.4	3546	105.9	3591	107.2	3689	110.2	3716	111.0	3743	111.8
Countywide Totals		13457	13457	13457	13710	13303	98.9	13698	101.8	13913	103.4	14003	102.1	14079	102.7	14312	104.4	14648	106.8	14923	108.8	15314	111.7	15510	113.1	15757	114.9

'A' includes additions as reflected in FY 2019 CIP for grades 6-8

Pre-Measures

HIGH SCHOOLS - Data for Demonstrative Purposes Only

Capacity Utilization Rates with Board of Education's Approved FY 2018 Capital Budget Projects - Not Test for APFO

Chart reflects May 2017 Projections, Board of Education's FY 2018 approved capacities, and no redistricting.

		Capacity				2018-19		2019-20		2020-21		2021-22		2022-23		2023-24		2024-25		2025-26		2026-27		2027-28		2028-29	
Columbia - East		**2018**	**2019**	**2020**	**2021**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**
Oakland Mills HS		1400	1400	1400	1400	1141	81.5	1187	84.8	1225	87.5	1302	93.0	1354	96.7	1353	96.6	1345	96.1	1336	95.4	1315	93.9	1303	93.1	1298	92.7
Columbia - West																											
Wilde Lake HS		1424	1424	1424	1424	1371	96.3	1389	97.5	1420	99.7	1418	99.6	1442	101.3	1474	103.5	1494	104.9	1520	106.7	1543	108.4	1597	112.1	1621	113.8
Northeastern																											
Howard HS		1420	1420	1420	1420	1943	136.8	2018	142.1	2043	143.9	2034	143.2	2057	144.9	2059	145.0	2049	144.3	2060	145.1	2069	145.7	2071	145.8	2043	143.9
Long Reach HS		1488	1488	1488	1488	1776	119.4	1833	123.2	1896	127.4	1981	133.1	2079	139.7	2166	145.6	2230	149.9	2291	154.0	2396	161.0	2527	169.8	2672	179.6
New HS #13	NS	0	0	0	0																						
Region HS Totals		2908	2908	2908	2908	3719	127.9	3851	132.4	3939	135.5	4015	138.1	4136	142.2	4225	93.4	4279	94.6	4351	96.2	4465	98.7	4598	101.7	4715	104.2
Northern																											
Centennial HS		1360	1360	1360	1360	1672	122.9	1750	128.7	1792	131.8	1811	133.2	1850	136.0	1879	138.2	1891	139.0	1896	139.4	1916	140.9	1937	142.4	1963	144.3
Marriotts Ridge HS		1615	1615	1615	1615	1340	83.0	1386	85.8	1414	87.6	1446	89.5	1502	93.0	1518	94.0	1558	96.5	1602	99.2	1604	99.3	1655	102.5	1670	103.4
Mt Hebron HS		1400	1400	1400	1400	1594	113.9	1623	115.9	1648	117.7	1678	119.9	1709	122.1	1720	122.9	1756	125.4	1815	129.6	1812	129.4	1820	130.0	1822	130.1
Region HS Totals		4375	4375	4375	4375	4606	105.3	4759	108.8	4854	110.9	4935	112.8	5061	115.7	5117	117.0	5205	119.0	5313	121.4	5332	121.9	5412	123.7	5455	124.7
Southeastern																											
Hammond HS		1220	1220	1220	1220	1347	110.4	1373	112.5	1348	110.5	1392	114.1	1423	116.6	1444	118.4	1515	124.2	1534	125.7	1575	129.1	1635	134.0	1715	140.6
Western																											
Atholton HS		1460	1460	1460	1460	1526	104.5	1526	104.5	1559	106.8	1569	107.5	1588	108.8	1650	113.0	1651	113.1	1688	115.6	1704	116.7	1730	118.5	1801	123.4
Glenelg HS		1420	1420	1420	1420	1188	83.7	1169	82.3	1151	81.1	1177	82.9	1155	81.3	1169	82.3	1167	82.2	1141	80.4	1122	79.0	1122	79.0	1108	78.0
Reservoir HS		1551	1551	1551	1551	1589	102.5	1635	105.4	1707	110.1	1758	113.3	1797	115.9	1821	117.4	1832	118.1	1852	119.4	1858	119.8	1873	120.8	1927	124.2
River Hill HS		1488	1488	1488	1488	1202	80.8	1179	79.2	1182	79.4	1170	78.6	1158	77.8	1176	79.0	1145	76.9	1126	75.7	1118	75.1	1108	74.5	1126	75.7
Region HS Totals		5919	5919	5919	5919	5505	93.0	5509	93.1	5599	94.6	5674	95.9	5698	96.3	5816	98.3	5795	97.9	5807	98.1	5802	98.0	5833	98.5	5962	100.7
Countywide Totals		17246	17246	17246	17246	17689	102.6	18068	104.8	18385	106.6	18736	108.6	19114	110.8	19429	103.0	19633	104.1	19861	105.3	20032	106.2	20378	108.0	20766	110.1

'NS' New School proposed in FY 2018 Capital Budget

Post-Measures

Aggregate Plan

HIGH SCHOOLS - Data for Demonstrative Purposes Only

Capacity Utilization Rates with Proposed FY 2019 Capital Budget Projects - Not Test for APFO

Chart reflects May 2017 Projections, potential FY 2019 requested capacities and estimated redistricting.

		Capacity				2018-19		2019-20		2020-21		2021-22		2022-23		2023-24		2024-25		2025-26		2026-27		2027-28		2028-29	
Columbia - East		**2018**	**2019**	**2020**	**2021**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**	**Proj**	**% Util.**
Oakland Mills HS		1400	1400	1400	1400	1343	95.9	1395	99.6	1440	102.9	1525	108.9	1601	114.4	1638	117.0	1673	119.5	1703	121.6	1746	124.7	1804	128.9	1871	133.6
Columbia - West																											
Wilde Lake HS		1424	1424	1424	1424	1415	99.4	1437	100.9	1474	103.5	1480	103.9	1509	106.0	1540	108.1	1562	109.7	1586	111.4	1606	112.8	1659	116.5	1683	118.2
Northeastern																											
Howard HS		1420	1420	1420	1420	1574	110.8	1634	115.1	1662	117.0	1662	117.0	1683	118.5	1682	118.5	1676	118.0	1687	118.8	1696	119.4	1698	119.6	1676	118.0
Long Reach HS		1488	1488	1488	1488	1649	110.8	1699	114.2	1735	116.6	1777	119.4	1841	123.7	1893	127.2	1928	129.6	1965	132.1	2025	136.1	2105	141.5	2188	147.0
New HS #13	NS	0	0	0	0																						
Region HS Totals		2908	2908	2908	2908	3223	110.8	3333	114.6	3397	116.8	3439	118.3	3524	121.2	3575	122.9	3604	79.7	3652	80.7	3721	82.3	3803	84.1	3864	85.4
Northern																											
Centennial HS		1360	1360	1360	1360	1462	107.5	1533	112.7	1573	115.7	1593	117.1	1625	119.5	1653	121.5	1665	122.4	1669	122.7	1687	124.0	1706	125.4	1726	126.9
Marriotts Ridge HS		1615	1615	1615	1615	1516	93.9	1568	97.1	1600	99.1	1630	100.9	1690	104.6	1711	105.9	1748	108.2	1795	111.1	1800	111.5	1853	114.7	1873	116.0
Mt Hebron HS		1400	1400	1400	1400	1423	101.6	1450	103.6	1474	105.3	1501	107.2	1531	109.4	1540	110.0	1575	112.5	1629	116.4	1627	116.2	1634	116.7	1638	117.0
Region HS Totals		4375	4375	4375	4375	4401	100.6	4551	104.0	4647	106.2	4724	108.0	4846	110.8	4904	112.1	4988	114.0	5093	116.4	5114	116.9	5193	118.7	5237	119.7
Southeastern																											
Hammond HS		1220	1220	1220	1220	1217	99.8	1237	101.4	1227	100.6	1262	103.4	1283	105.2	1311	107.5	1353	110.9	1370	112.3	1397	114.5	1438	117.9	1500	123.0
Western																											
Atholton HS		1460	1460	1460	1460	1361	93.2	1379	94.5	1396	95.6	1436	98.4	1465	100.3	1502	102.9	1514	103.7	1531	104.9	1542	105.6	1561	106.9	1607	110.1
Glenelg HS		1420	1420	1420	1420	1551	109.2	1536	108.2	1516	106.8	1542	108.6	1526	107.5	1542	108.6	1539	108.4	1514	106.6	1493	105.1	1491	105.0	1483	104.4
Reservoir HS		1551	1551	1551	1551	1589	102.5	1635	105.4	1707	110.1	1758	113.3	1797	115.9	1821	117.4	1832	118.1	1852	119.4	1858	119.8	1873	120.8	1927	124.2
River Hill HS		1488	1488	1488	1488	1589	106.8	1565	105.2	1581	106.3	1570	105.5	1563	105.0	1596	107.3	1568	105.4	1560	104.8	1555	104.5	1556	104.6	1594	107.1
Region HS Totals		5919	5919	5919	5919	6090	102.9	6115	103.3	6200	104.7	6306	106.5	6351	107.3	6461	109.2	6453	109.0	6457	109.1	6448	108.9	6481	109.5	6611	111.7
Countywide Totals		17246	17246	17246	17246	17689	102.6	18068	104.8	18385	106.6	18736	108.6	19114	110.8	19429	112.7	19633	104.1	19861	105.3	20032	106.2	20378	108.0	20766	110.1

'NS' New School proposed in FY 2019 Capital Budget

Feasibility Study:
An Annual Review of Long-Term Capital Planning and Attendance Area Adjustment Options

Section 7

Appendices

June 2017

HOWARD COUNTY
PUBLIC SCHOOL SYSTEM

BOARD OF EDUCATION

POLICY 6010
SCHOOL ATTENDANCE AREAS

Effective: January 26, 2017

I. Policy Statement

The Board of Education of Howard County, with the advice of the Superintendent, establishes school attendance areas to provide quality, equitable educational opportunities to all students and to balance the capacity utilization of all schools. The Board recognizes that school openings, closings, additions, program changes, population growth and other demographic changes may require that school attendance areas be adjusted. The Board also recognizes the value of diverse and inclusive school populations when establishing attendance areas. The Board believes that staff analyses and recommendations, as well as public advice and comment, are integral to its deliberations and decisions related to school attendance areas.

II. Purpose

The purpose of this policy is to define the conditions and process by which school attendance area adjustments will be developed and adopted.

III. Definitions

Within the context of this policy, the following definitions apply:

A. Attendance Area Committee (AAC) – Committee comprised of community members appointed by the Superintendent and approved by the Board, to advise and comment on capacity needs and attendance area adjustment recommendations developed by staff.

B. Continuity of Operations Plan (COOP) – Procedures to ensure that capability exists to continue essential functions during and after an extended emergency.

C. Demographic Characteristics – Features in the composition of a school's population that includes, but is not limited to the racial/ethnic composition of a school's student population, as well as the percentage of students participating in Free and Reduced-Priced Meals (FARMS) and English for Speakers of Other Languages (ESOL) programs.

D. Diversity – The sum of the ways that people are both alike and different. The dimensions of diversity include race, ethnicity, and socioeconomic condition.

E. Extended Emergency – A severe or long-term situation that affects an individual school, multiple schools, or the entire school system. An extended emergency is normally one in which the Howard County Public School System (HCPSS) Continuity

of Operations Plan (COOP), the HCPSS Emergency Operations Plan (EOP) or the Howard County Emergency Operations Plan is activated.

F. Equitable – Just or fair; different from equal in that equality connotes equal treatment, which may be insufficient for equitable access and outcomes.

G. Feed – The flow of students from one school level to the next.

H. Free and Reduced-Priced Meals (FARMS) – A federal program available to students whose households meet the federal income eligibility guidelines to receive free or reduced-priced meals.

I. HCPSS Emergency Operations Plan (EOP) – A multi-hazard approach for HCPSS that addresses preparation, response, recovery, and mitigation to:

1. An emergency, including a violent or traumatic event on school grounds, during school hours, or during a school-sponsored activity.

2. Events in the community that affect normal school operations.

J. Howard County Emergency Operations Plan – A countywide emergency management system incorporating all aspects of pre-emergency preparedness and post-emergency response, recovery, and mitigation.

K. Inclusive – Securing the educational benefits of diversity for all students through active, intentional, and ongoing engagement.

L. Long-Range Enrollment – Each school's student population projections for the upcoming 10 years.

M. Program Capacity – The number of students that can be reasonably accommodated in a school, based on the permanent facility (relocatables are excluded) and the educational program offered. Program capacity is calculated based at the below rates:

1. Elementary schools: the product of the Board-approved student-to-teacher ratio and the number of teaching stations identified in the capital budget.

2. Middle schools: 95% of the product of the Board-approved student-to-teacher ratio and the number of teaching stations identified in the capital budget.

3. High schools: 80% or 85% of the product of the Board-approved student-to-teacher ratio and the number of teaching stations in the capital budget.

N. Projections – Estimated student enrollment for future school years.

O. Regional Program – A countywide educational program located at one or more, but not all schools that is designed to provide a particular type of educational leadership or intervention to students. Regional programs may include, but are not limited to Regional Academic Life Skills, Preschool Program, including Parent-Assisted Learning at Schools, Pre-Kindergarten, Elementary School Model Full-day Pre-Kindergarten, Early Beginnings, Regional Emotional Disabilities, Multiple Intensive Needs Classroom, Junior Reserve Officer Training Course (JROTC) and Elementary School Primary Learner Program.

P. Planning Region – A geographic area of Howard County made up of one or more schools used by the HCPSS Office of School Planning for long-range planning purposes.

Q. School Attendance Area – Geographic area from which a school's students are drawn.

R. Target Utilization – Enrollment between 90% and 110% utilization of the program capacity of a school facility.

S. Utilization – The comparison of a facility's program capacity and its enrollment or projected future enrollment.

IV. Standards

A. The Board will consider school attendance area adjustments whenever one or more of the following conditions exist:

1. A new school or addition is scheduled to open.

2. An existing facility is significantly damaged, deemed unusable, or otherwise scheduled to close.

3. School attendance area projections are outside the target utilization.

4. The program capacity of a school building is altered.

5. The road network(s) within one or more school attendance areas is altered.

6. An unforeseen circumstance necessitates an adjustment to promote efficiency or provide for the welfare of students.

B. The Board, Superintendent/Designee and the AAC will consider the impact of the following factors in the development of any school attendance area adjustment plan. While each of these factors will be considered, it may not be feasible to reconcile each and every school attendance area adjustment with each and every factor.

1. Facility Utilization. Where reasonable, school attendance area utilization should stay within the target utilization for as long a period of time as possible through the consideration of:

    a. Efficient use of available space. For example, maintain a building's program capacity utilization between 90% and 100%.

    b. Long-range enrollment, capital plans and capacity needs of school infrastructures (e.g., cafeterias, restrooms and other shared core facilities).

    c. Fiscal responsibility by minimizing capital and operating costs.

    d. The number of students that walk or receive bus service and the distance and time bused students travel.

    e. Location of regional programs, maintaining an equitable distribution of programs across the county.

2. Community Stability. Where reasonable, school attendance areas should promote a sense of community in both the geographic place (e.g., neighborhood or place in which a student lives) and the promotion of a student from each school level through the consideration of:

    a. Feeds that encourage keeping students together from one school to the next. For example, avoiding feeds of less than 15% at the receiving school.

    b. Areas that are made up of contiguous communities or neighborhoods.

    c. Frequency with which any one student is reassigned, making every attempt to not move a student more than once at any school level or the same student more frequently than once every five years.

3. Demographic Characteristics of Student Population. Where reasonable, school attendance areas should promote the creation of a diverse and inclusive student body at both the sending and receiving schools through the consideration of:

    a. The racial/ethnic composition of the student population.

    b. The socioeconomic composition of the school population as measured by participation in the federal FARMS program.

    c. Academic performance of students in both the sending and receiving schools as measured by current standardized testing results in English Language Arts/Literacy and Mathematics.

d. The level of English learners as measured by enrollment in the English for Speakers of Other Languages (ESOL) program.

e. Number of students moved, taking into account the correlation between the number of students moved, the outcomes of other standards achieved in Section IV.B. and the length of time those results are expected to be maintained.

f. Other reliable demographic indicators, when applicable.

C. Board of Education's Deliberations

1. The Superintendent/Designee will submit attendance area considerations to the Board for discussion and recommendation.

2. If attendance area adjustments are considered under Section IV.A., the Board will notify the public of its decision for the Superintendent to proceed or not to proceed with the formation of the AAC and attendance area adjustment recommendations.

3. The Superintendent/Designee will submit to the Board attendance area adjustment recommendations, which include data on each of the factors in Section IV.B. for which measurement can be obtained.

4. The Board, in accordance with Policy 2040 Public Participation in Meetings of the Board, will hold a public hearing(s) regarding the school attendance area adjustment plan(s) submitted by the Superintendent. In addition, and as necessary, work session(s) will be scheduled to consider public hearing testimony. The Board may schedule additional hearings and/or work sessions at its discretion.

5. The Board may direct the Superintendent to provide additional information and/or develop other alternative plans for its consideration at any time. The Board may also propose alternative plans at any time.

6. The Board may consider exemptions for rising fifth, eighth, and eleventh grade students to continue attending schools in an area that is proposed for attendance area adjustments. Attendance area adjustments will not affect rising twelfth grade students.

7. The Board will take final action on school attendance area adjustments at a public meeting. The Board reserves the right to adopt or to modify any alternatives and/or recommendations presented to it by the Superintendent/Designee or the citizens of Howard County proposed previously or during the Board's deliberations and vote.

8. The Board may alter these provisions, upon a majority vote of the Board, when an extended emergency as defined by Policy 3010 Emergency Preparedness and Response occurs or other extraordinary circumstances warrant such an alternation.

D. Community Input

1. The Superintendent will, when directed by the Board, form an AAC in accordance with the Implementation Procedures of this policy for the purpose of advising the Superintendent during the planning phase of the attendance area adjustment process. In the case of an extended emergency situation, the Superintendent/Designee will propose an attendance area adjustment.

2. The Board will provide opportunities for public input in accordance with Policy 2040 Public Participation in Meetings of the Board.

3. Members of the public may submit school attendance area adjustment plans to the Board, the Superintendent/Designee and/or the AAC.

V. Responsibilities

A. The Superintendent/Designee will prepare and provide enrollment projections and attendance area considerations on an annual basis to the Board.

B. The Superintendent/Designee will determine whether the conditions exist that require school attendance area adjustments and will recommend that the Board appoint the AAC. The Superintendent/Designee will assist the AAC in completing its review and comment process.

C. All AAC meetings are subject to the Maryland Open Meetings Act. Staff will take summary notes of the AAC meeting and make these summary notes available to the public.

D. The Superintendent/Designee will communicate the Board's action on attendance area adjustments to the principals, PTA presidents and SGA presidents of each affected school, the president of the PTA Council of Howard County and the chairman of the Community Advisory Council to the Board.

E. Principals will communicate attendance area adjustments to the parents of students in areas affected by the Board's action.

VI. Delegation of Authority

The Superintendent is authorized to develop appropriate procedures for the implementation of this policy.

VII. References

A. Legal
The Annotated Code of Maryland, Education Article, Section 4-109, Establishment of Public School
Maryland Open Meetings Act

B. Other Board Policies
Policy 2040 Public Participation in Meetings of the Board
Policy 2050 Advisory Committees to Staff and Schools
Policy 3010 Emergency Preparedness and Response
Policy 5200 Pupil Transportation
Policy 6000 Site Selection and Acquisition
Policy 6020 School Planning and Construction Programs
Policy 6070 Discontinuation of School Use
Policy 9000 Student Residency Eligibility Enrollment Assignment

C. Relevant Data Sources

D. Other

VIII. History

ADOPTED: April 15, 2004
REVIEWED: July 1, 2011
MODIFIED:
REVISED: April 28, 2005
April 16, 2009
January 26, 2017
EFFECTIVE: January 26, 2017

HOWARD COUNTY
PUBLIC SCHOOL SYSTEM

POLICY 6010-IP
IMPLEMENTATION PROCEDURES

SCHOOL ATTENDANCE AREAS

Effective: January 26, 2017

I. Definitions

Within the context of these implementation procedures, the following definitions apply:

A. Integrated Modular Units – Modular classrooms or buildings that are permanently installed at a school and included in the program capacity of a school.

B. Projection Methodology – Procedure to develop student enrollment projections that includes, but is not limited to historical cohort survival ratios, birth rates, new housing units, housing resales, apartment turnover and net migration.

C. Relocatable(s) – Prefabricated, stand-alone buildings providing temporary capacity for a school and that are excluded from program capacity.

II. Development and Consideration of School Attendance Area Adjustment Plans

The long-range school facilities planning process is conducted on an annual basis according to the county's and state's capital budget process. The schedule is adjusted annually to account for holidays and other anomalies. The development and consideration of proposed school attendance area adjustment plans will take place in the following manner:

A. Year 1 - January/February
The Office of School Planning will provide the Superintendent with enrollment projections by school annually and develop attendance area considerations per Policy 6010. The considerations will address capacity projects in the capital budget and will be the basis for short- and long-range attendance area plans.

B. Year 1 - April
The Office of School Planning will solicit and interview candidates for the potential Attendance Area Committee (AAC) and nominate candidates for appointment by the Superintendent.

C. Year 1 - June
The Superintendent/Designee presents projections, attendance area considerations and planning issues to the Board and interested citizens.

If the Board approves the appointment of an AAC, the Superintendent will charter such a committee to review proposed attendance area adjustment plans. The

Board will notify the public of its decision for the Superintendent to proceed or not to proceed with the formation of the AAC and attendance area adjustment recommendations.

D. Year 1 - June/July
If an AAC is created, the Office of School Planning staff will provide training to the AAC. Training will include, but is not limited the following:

1. Review of Policy 6010 and its standards used to establish an attendance area adjustment plan.

2. Review the AAC's responsibilities in the attendance area adjustment plan process.

E. Year 1 - July/August
With assistance from the Office of School Planning, the AAC will review attendance area adjustments, consider citizen feedback and make a committee recommendation to the Superintendent.

F. Year 1 - July/August
The Office of School Planning will advise the Superintendent on capacity needs for the upcoming budget process during capital budget preparations.

G. Year 1 - September
The Office of School Planning will facilitate regional meetings regarding proposed attendance area adjustments, including the plans refined by the AAC.

H. Year 1 - October
After receipt of input from the AAC and the public, the Superintendent will propose attendance area adjustments and goals (e.g., to facilitate a balanced utilization, open a new school, etc.) to the Board.

I. Year 1 - October/November
Board public hearing(s), work session(s) and adoption of attendance area adjustments.

J. Year 1 - December
The Superintendent/Designee and Board will assess the attendance area adjustment process. Modifications to this process will be made, as needed, prior to the beginning of the next attendance area adjustment.

K. Year 1 - December – Year 2 - January
After the Board has made any final decision(s) regarding attendance area adjustments, the approved attendance area maps are developed, the school locator is updated, and transportation routes are updated. The Superintendent will communicate the Board's action to the principals, PTA presidents and SGA presidents of each affected school, the president of the PTA Council of Howard

County and the chairman of the Community Advisory Council to the Board. The Superintendent/Designee will assist school-based administrators and staff with articulating students affected by attendance area adjustments. Principals will communicate attendance area adjustments to the parents of students in areas affected by the Board's action.

L. Year 2 - January
Capital Budget review by the Board.

M. Year 2 - May
Capital Budget review and approval by County Council.

N. Year 2 - August
Attendance Area Adjustment effective.

III. Attendance Area Committee Make-up and Responsibilities

A. The AAC shall consist of 10 to 15 members. Consideration will be given to providing representation from each of the Howard County Public School System's (HCPSS) planning regions. Representation may include, but is not limited to the following:

1. At least one member from the Howard County Association of Student Councils.

2. At least one member from each of the HCPSS six planning regions.

3. At least three, but no more than eight at-large citizen members, with consideration toward identifying members of the community based on the attendance area/planning region(s) affected by the proposed attendance area adjustment.

4. Of those AAC members selected, no more than six members will have been members of a previous AAC.

5. Members may not serve more than two consecutive AAC's.

B. The AAC, after receiving training, will work in collaboration with the Office of School Planning staff and the Superintendent/Designee to refine the attendance area adjustment plan through a review and comments process. The basis for the review will be enrollment projections, the Policy 6010 Standards set forth in Section IV.B., and the attendance area adjustment goals set by the Superintendent.

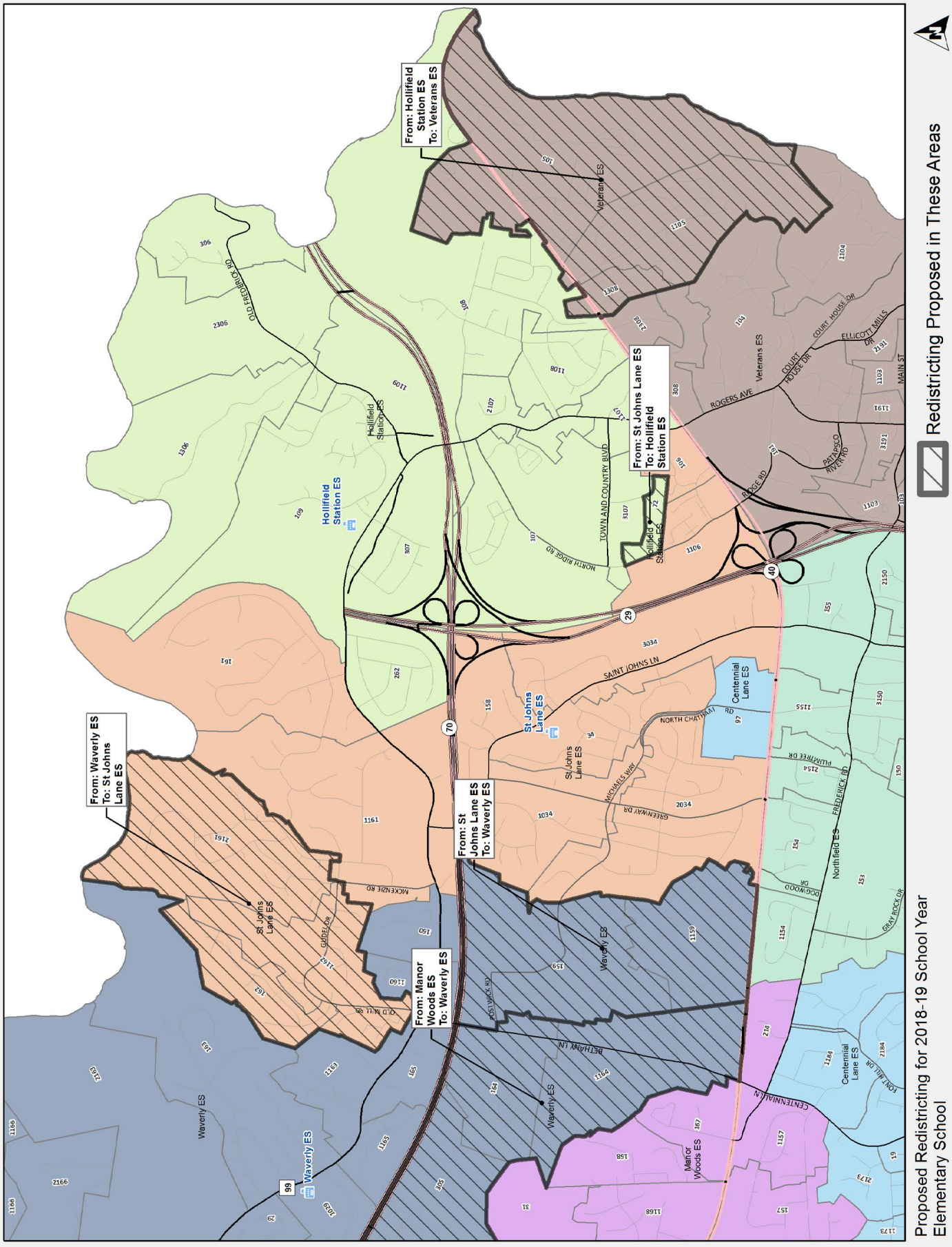
C. The AAC will take public input in the form of reviews and comments. The AAC will review public input and provide comments to the staff. Staff will modify the attendance area adjustment plans as appropriate based on the AAC comments.

D. Attendance areas plans refined by the AAC will be presented at one or more regional meetings for additional citizen comment. Further refinement to the AAC's plan may be necessary prior to forwarding it to the Superintendent for review.

E. AAC members may be asked to participate during the meeting in which staff presents the attendance area adjustment recommendations as well as in one or more work sessions to assist the Board in its deliberations.

IV. History

ADOPTED: April 28, 2005
REVIEWED: July 1, 2011
MODIFIED:
REVISED: January 26, 2017
EFFECTIVE: January 26, 2017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Redistricting Proposed in These Areas
Proposed Redistricting for 2018-19 School Year
Elementary School
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St Johns Lane ES
Waverly ES
Veterans ES
Centennial Lane ES
Manor Woods ES
Northfield ES
SAINT JOHNS LN
NORTH RIDGE RD
TOWN AND COUNTRY BLVD
ROGERS AVE
COURT HOUSE DR
ELLICOTT MILLS DR
MAIN ST
NORTH CHATHAM RD
MICHAELS WAY
GREENWAY DR
FREDERICK RD
DOGWOOD DR
GRAY ROCK DR
PLUMTREE DR
RIDGE RD
PATAPSCO RIVER RD
OLD FREDERICK RD
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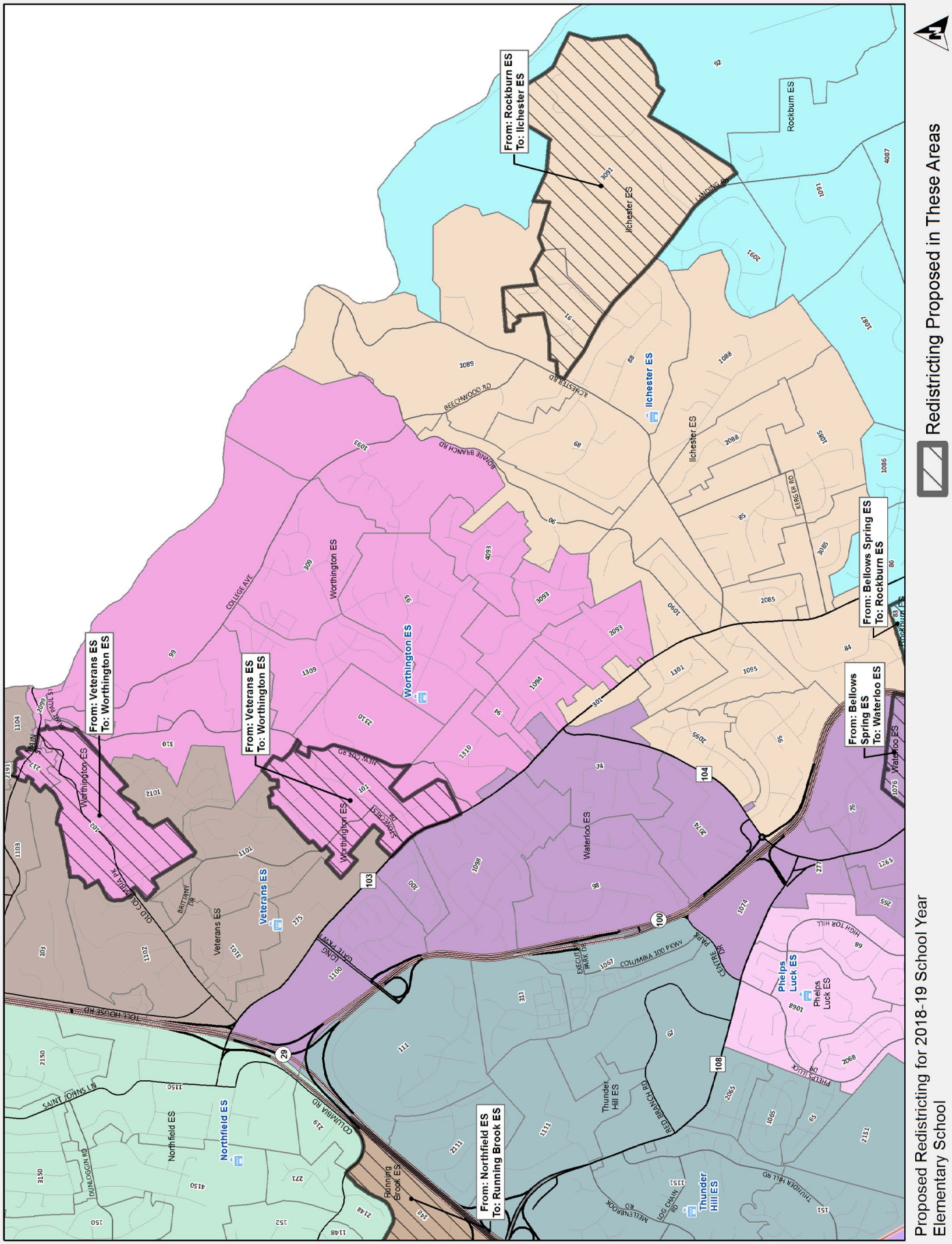
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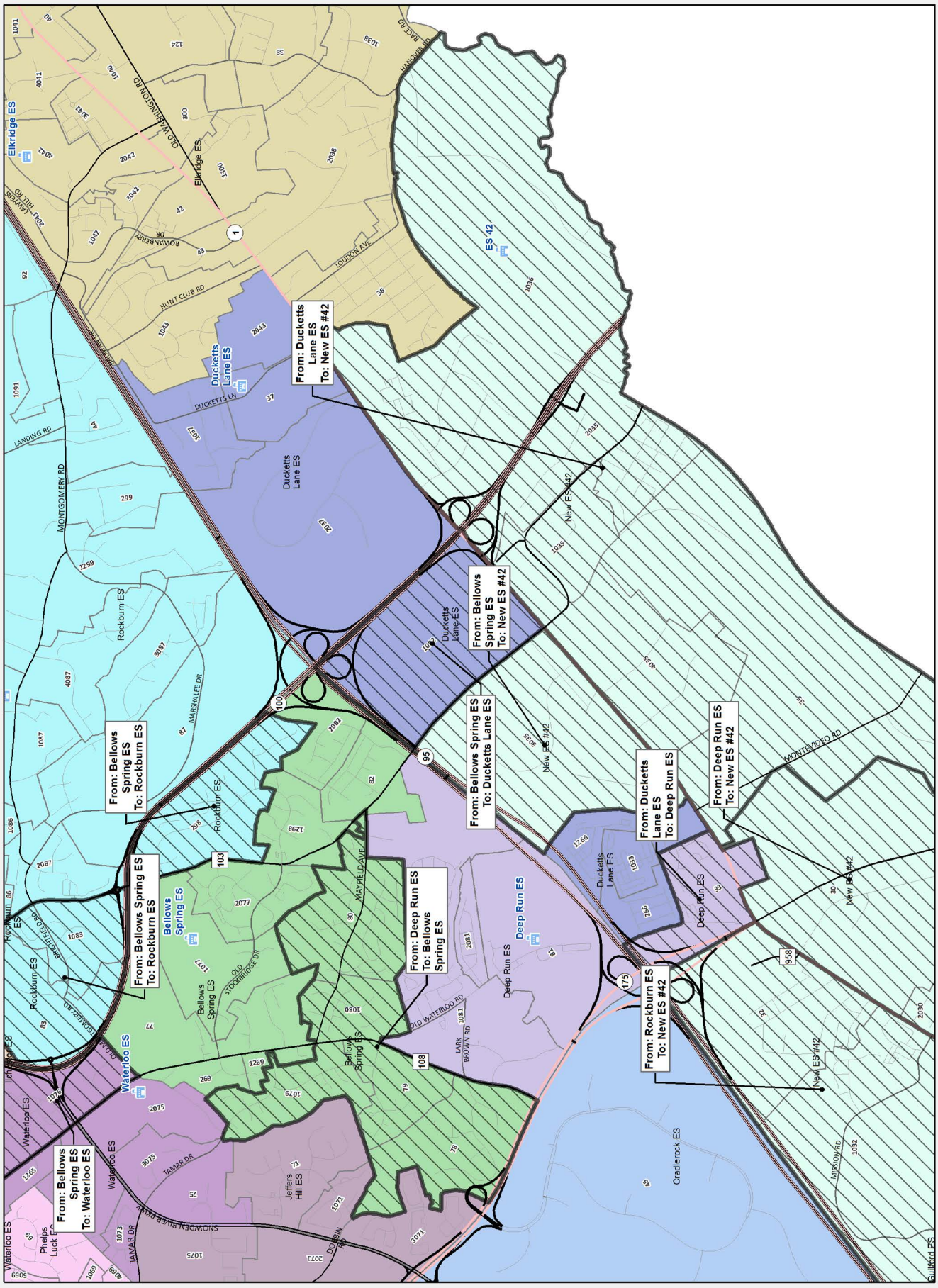
Redistricting Proposed in These Areas
Proposed Redistricting for 2018-19 School Year
Elementary School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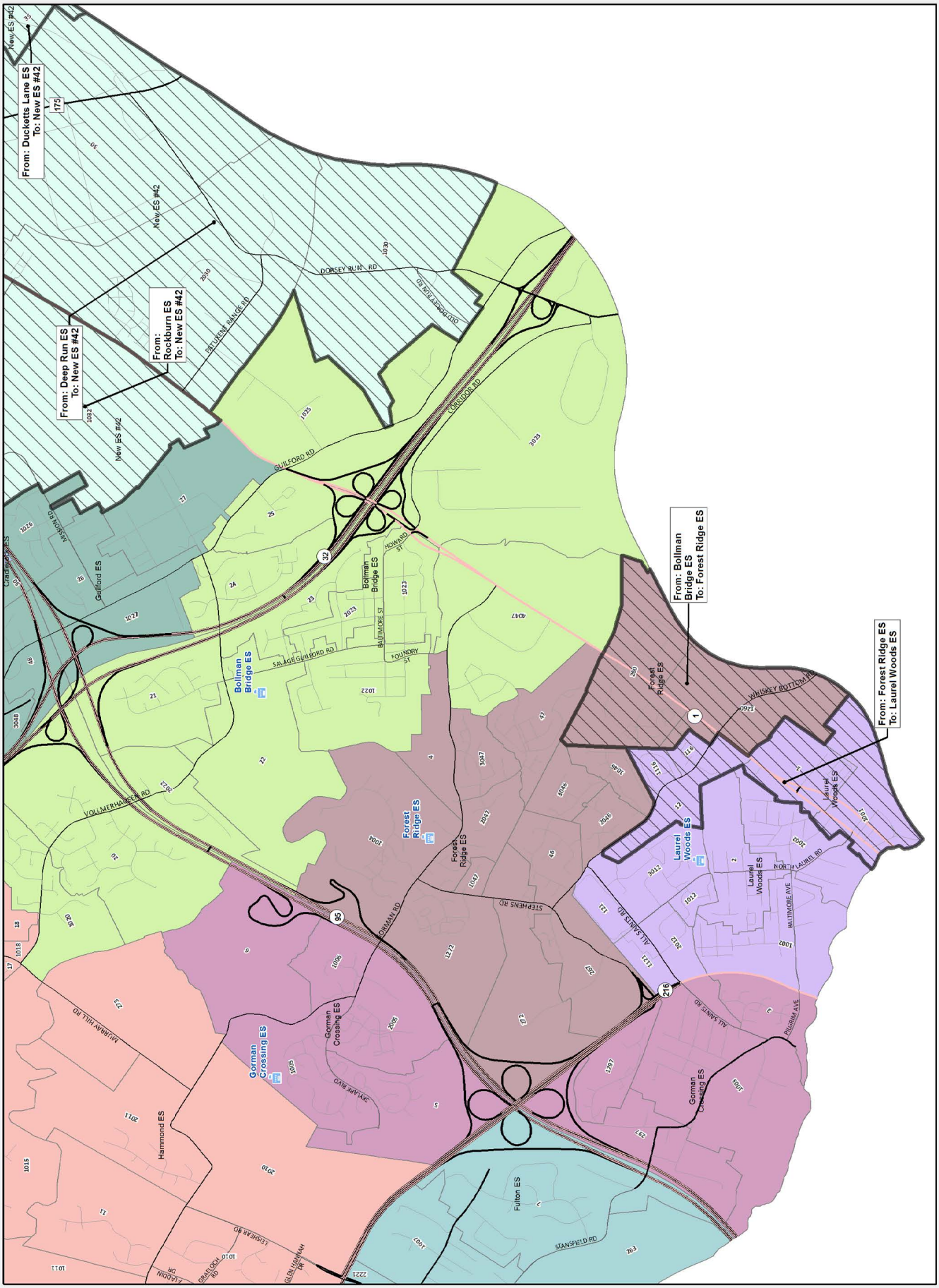
Redistricting Proposed in These Areas
Proposed Redistricting for 2018-19 School Year
Elementary School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Bridge ES
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To: Laurel Woods ES
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Redistricting Proposed in These Areas
Proposed Redistricting for 2018-19 School Year
Elementary School
Bollman Bridge ES
Forest Ridge ES
Gorman Crossing ES
Laurel Woods ES
Guilford ES
Hammond ES
Fulton ES
Cradlerock ES
GUILFORD RD
CORRIDOR RD
DORSEY RUN RD
OLD DOBBIN RUN RD
PATUXENT RANGE RD
SAVAGE GUILFORD RD
FOUNDRY ST
HOWARD ST
BALTIMORE ST
YOLLMERHAUSEN RD
GORMAN RD
STEPHENS RD
WHISKEY BOTTOM RD
NORTH LAUREL RD
ALL SAINTS RD
BALTIMORE AVE
PILGRIM AVE
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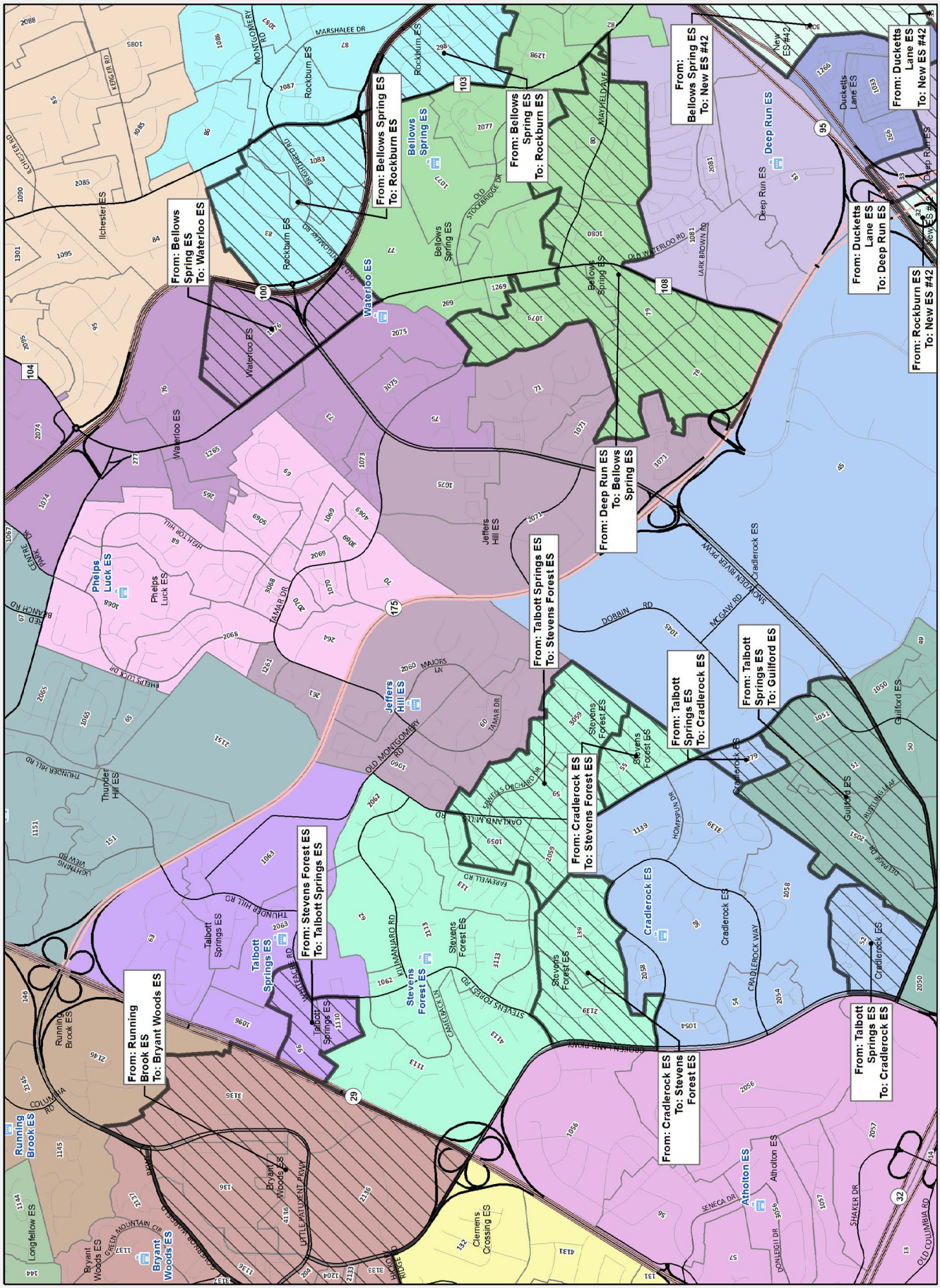
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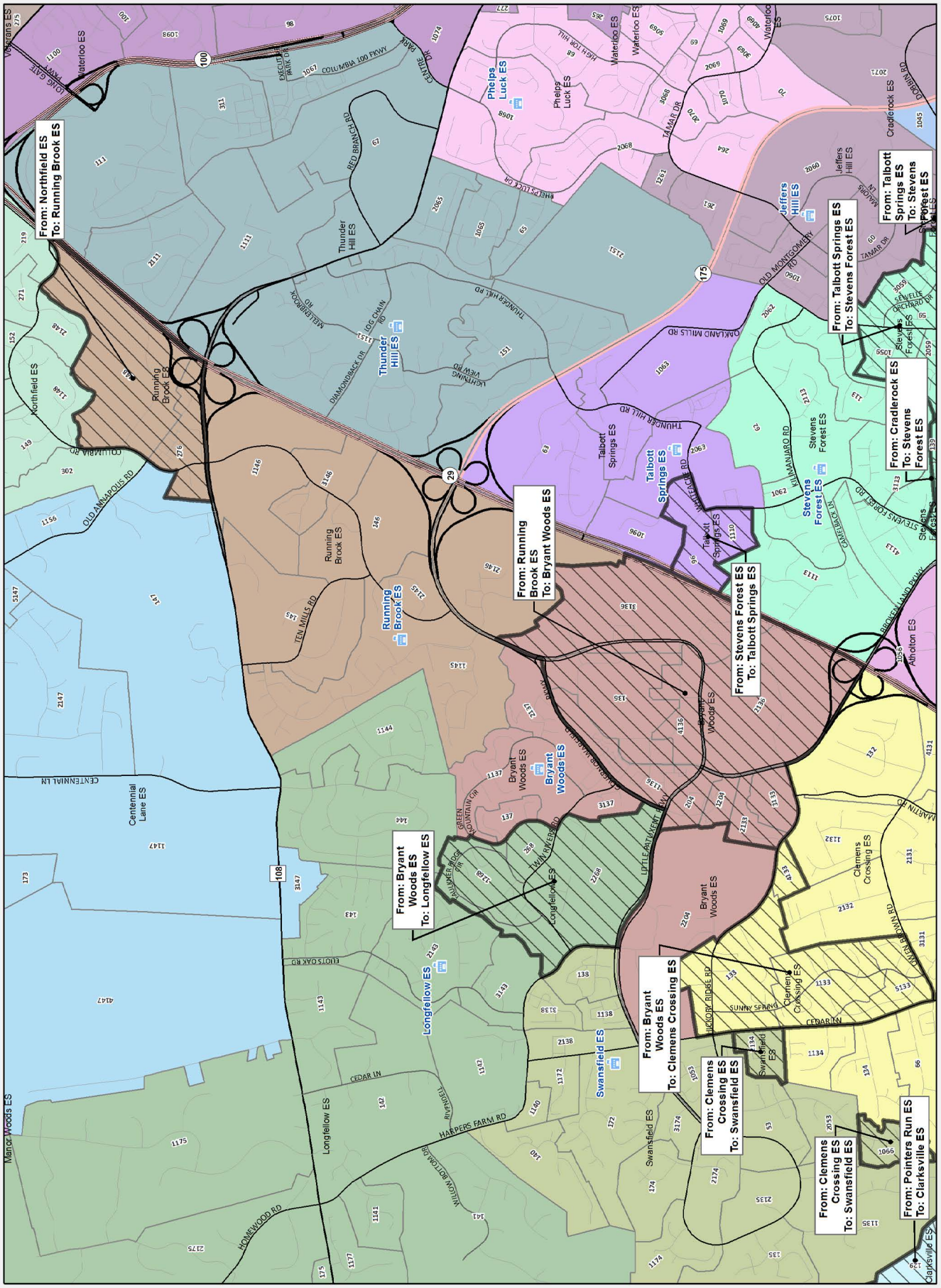
Proposed Redistricting for 2018-19 School Year
Elementary School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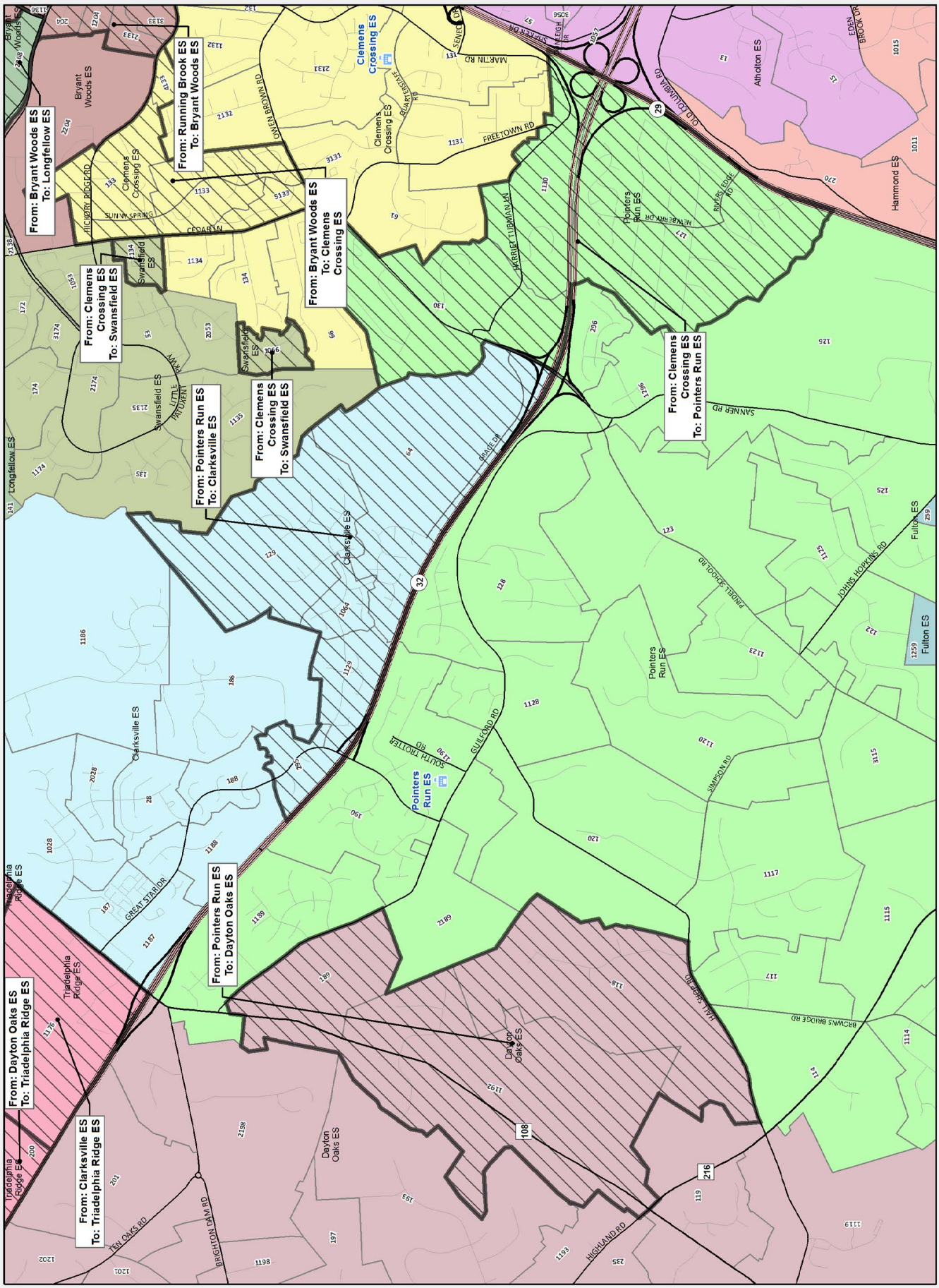
Redistricting Proposed in These Areas
Proposed Redistricting for 2018-19 School Year
Elementary School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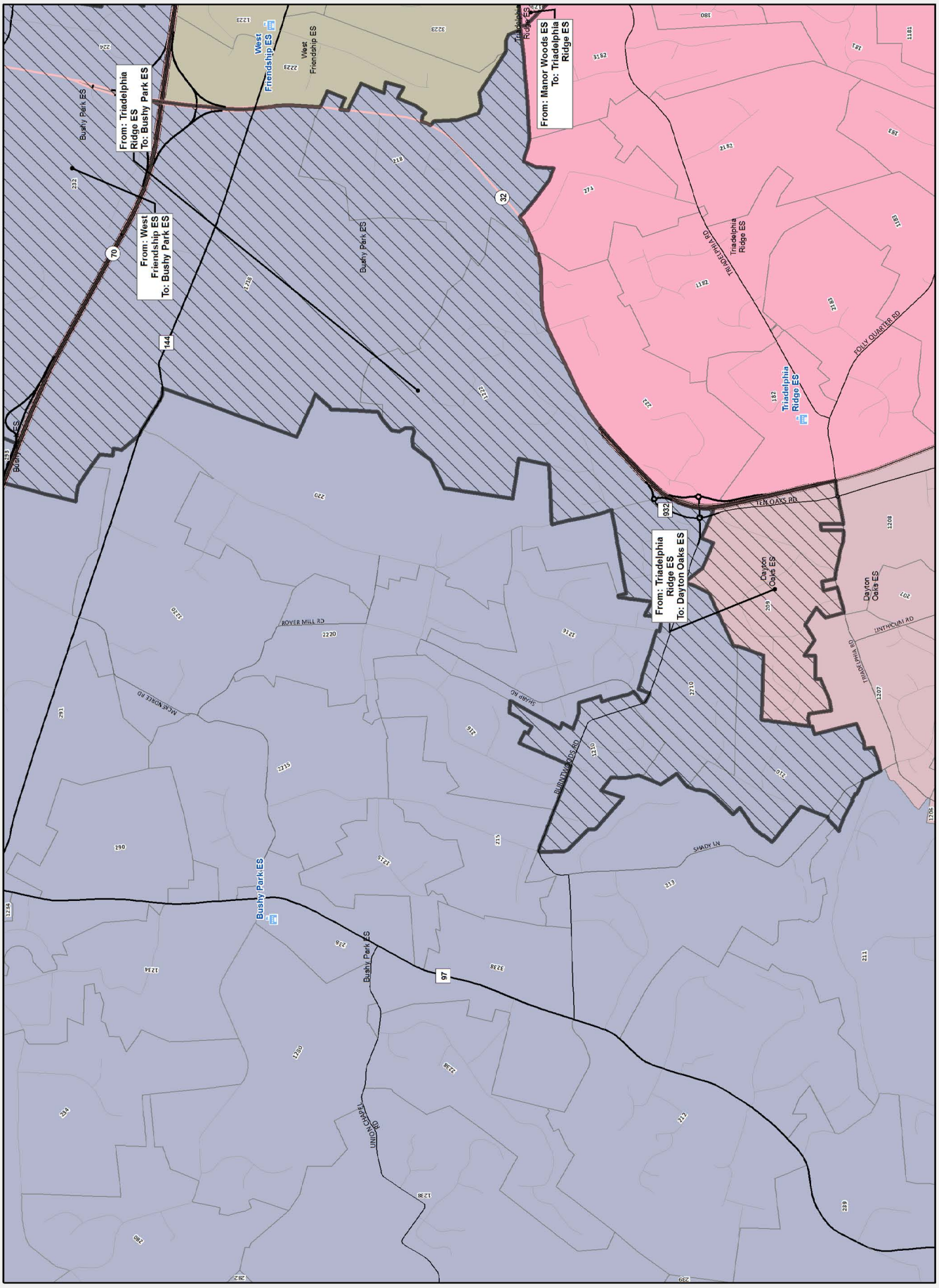
Proposed Redistricting for 2018-19 School Year
Elementary School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Triadelphia Ridge ES
Dayton Oaks ES
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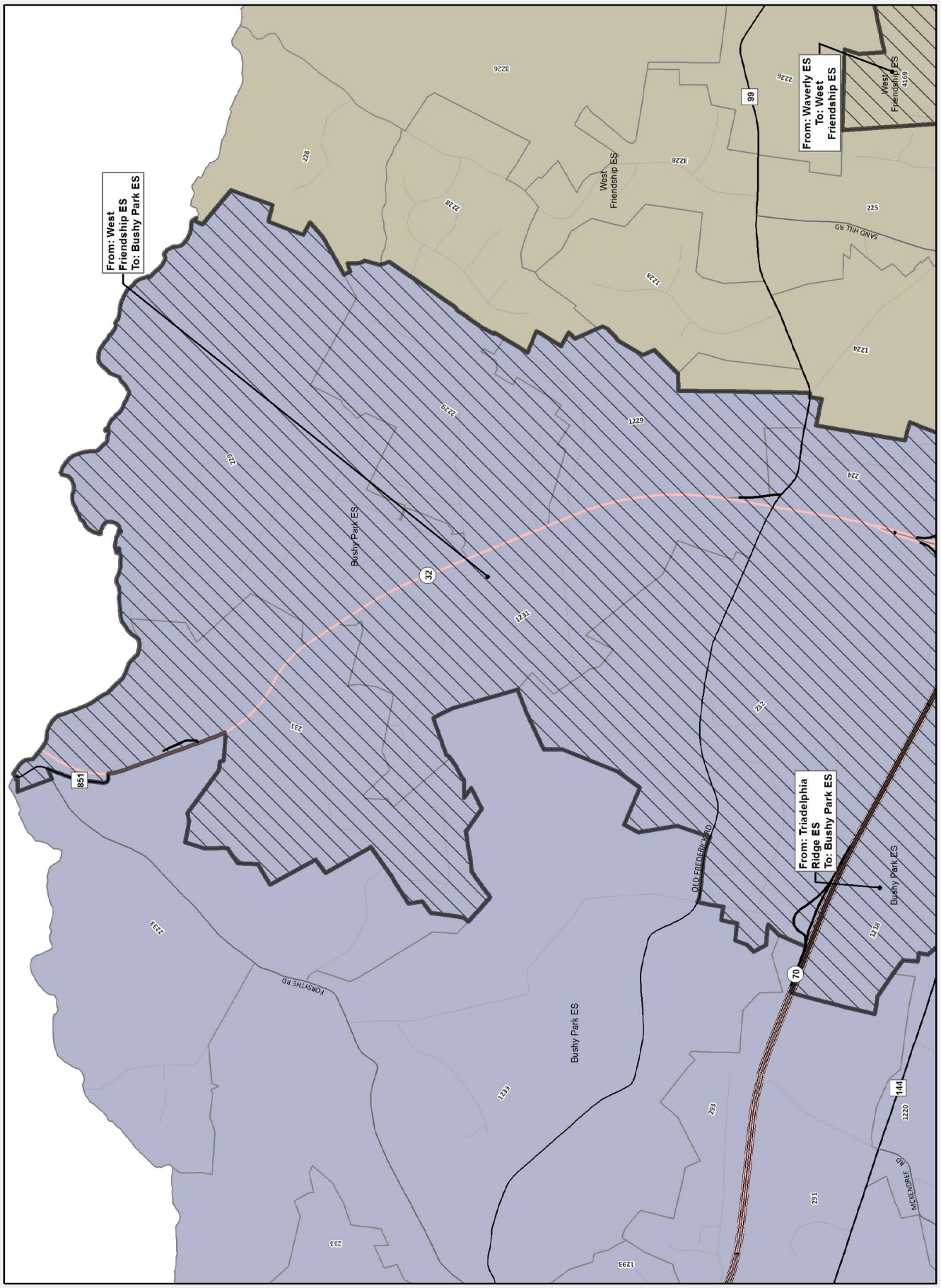
TEN OAKS RD
FOLLY QUARTER RD
ROVER MILL RD
BURNTWOODS RD
SHADY LN
UNION CHAPEL RD
Redistricting Proposed in These Areas
Proposed Redistricting for 2018-19 School Year
Elementary School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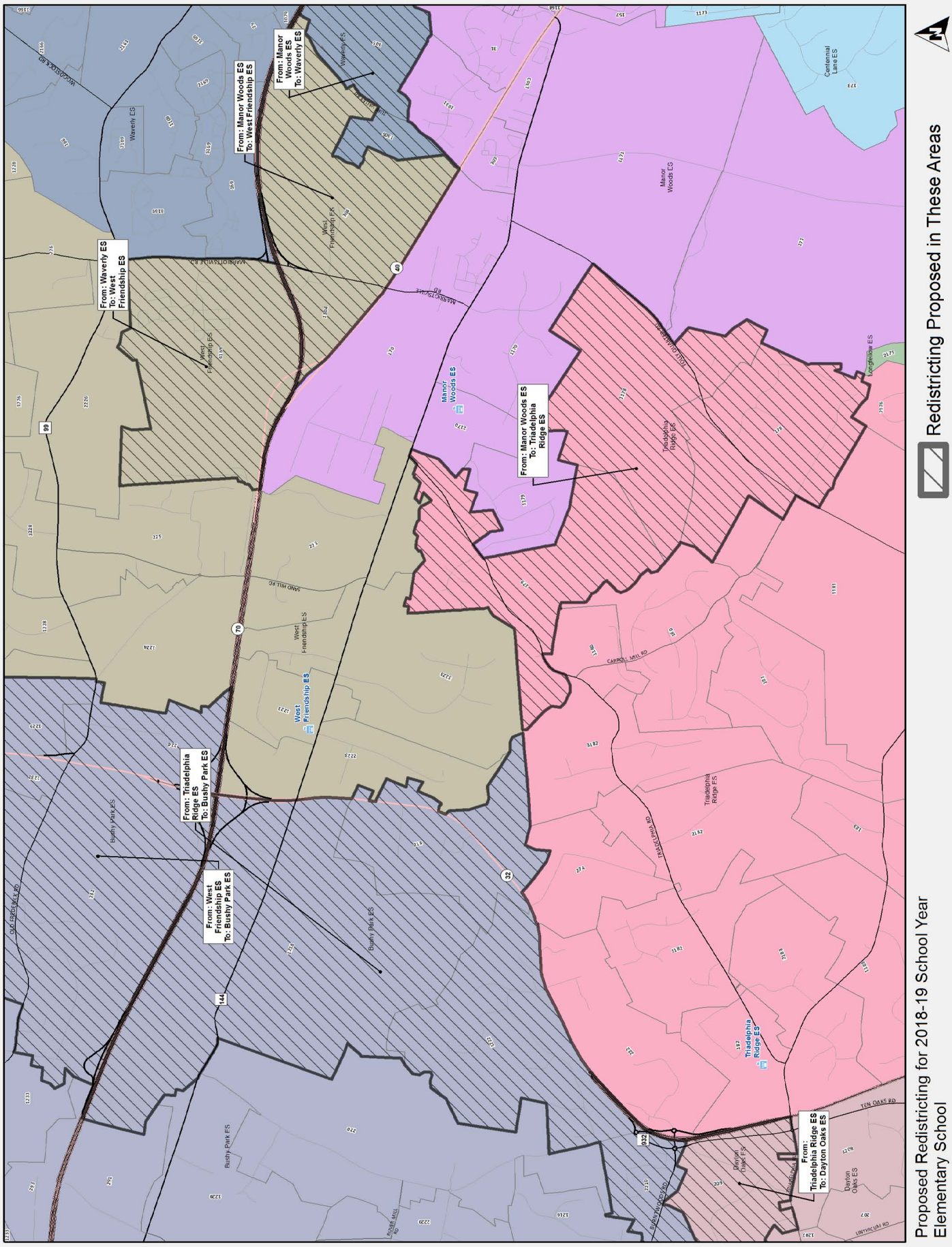
FORSYTHE RD
SAND HILL RD
MCKENDREE RD
Redistricting Proposed in These Areas
Proposed Redistricting for 2018-19 School Year
Elementary School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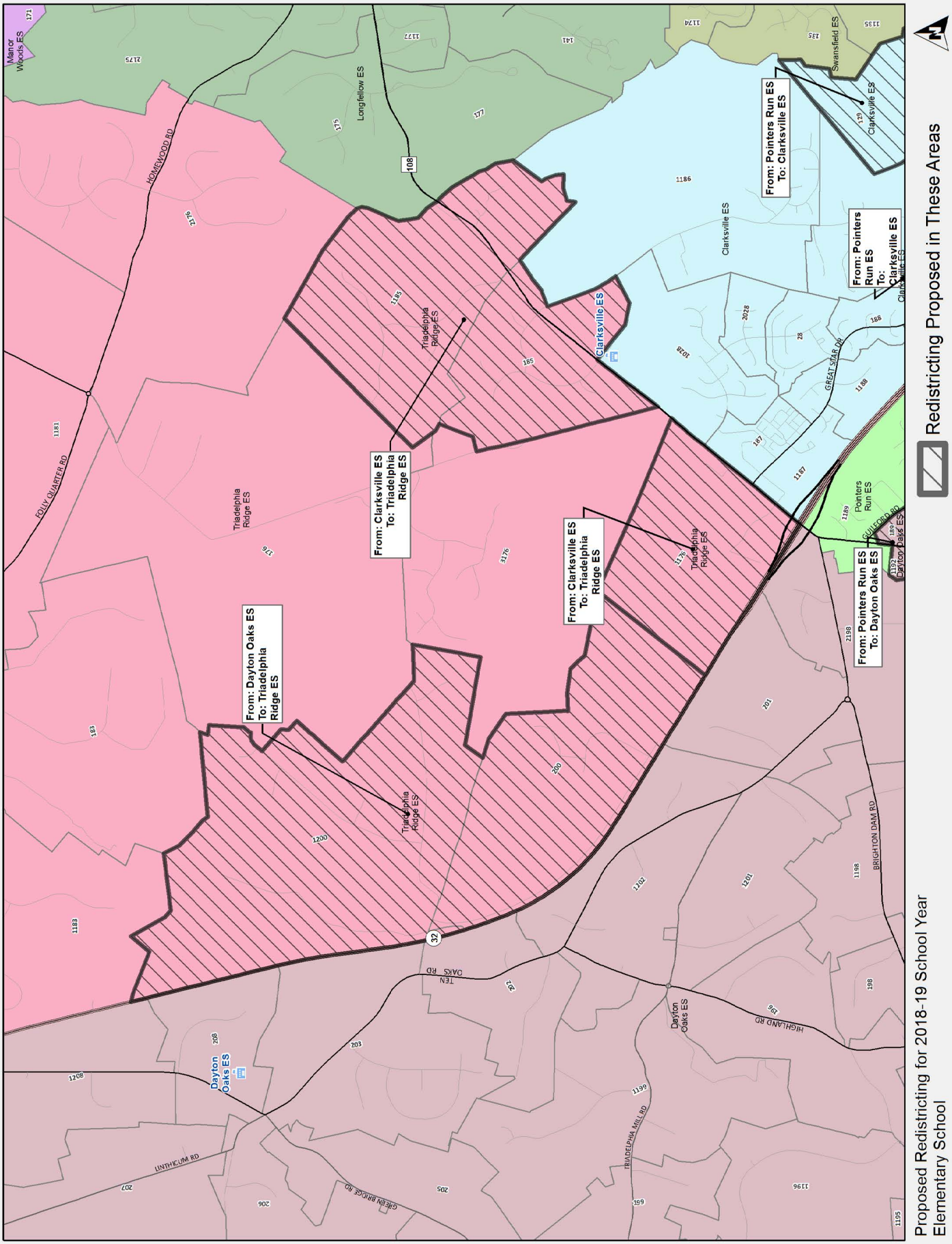
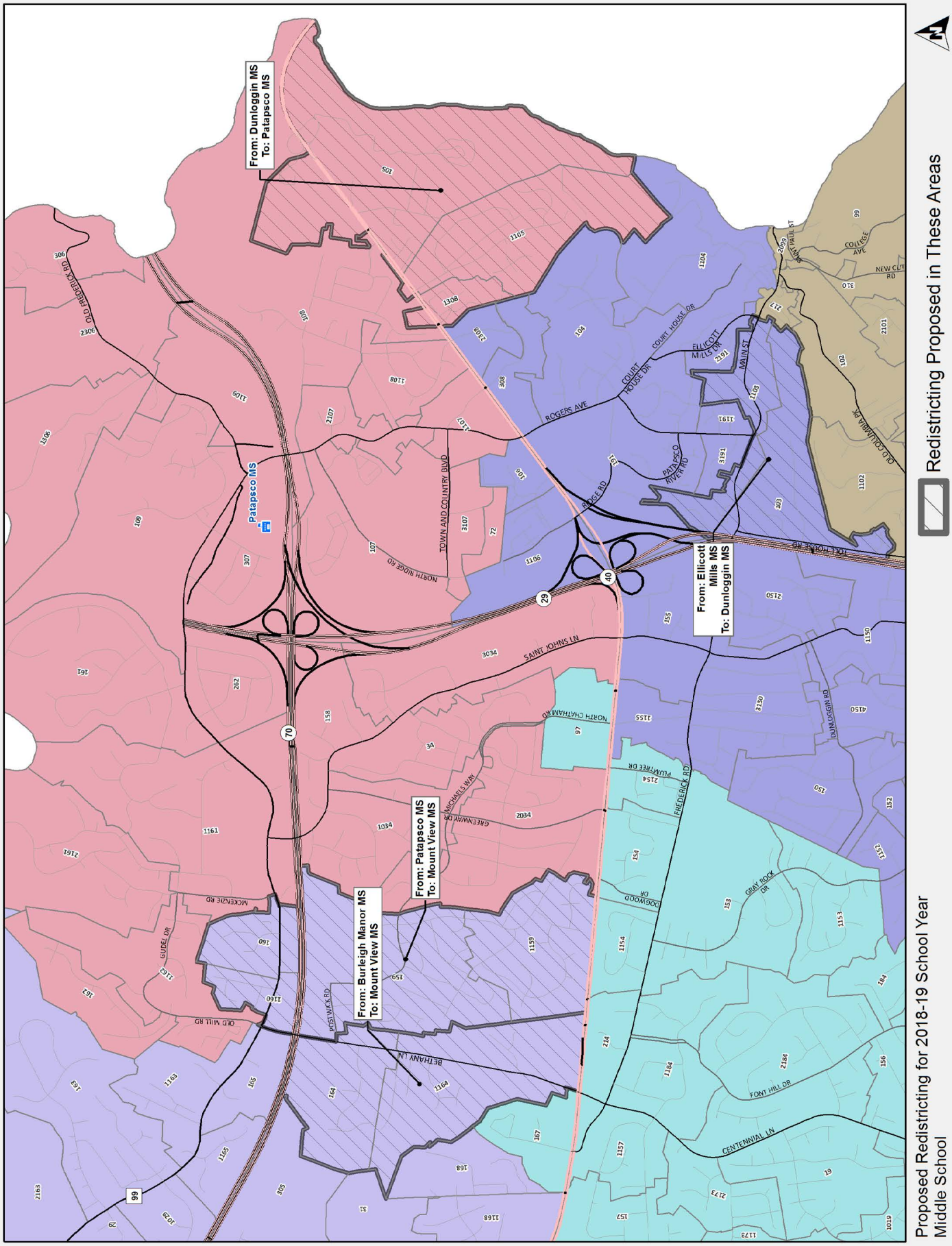
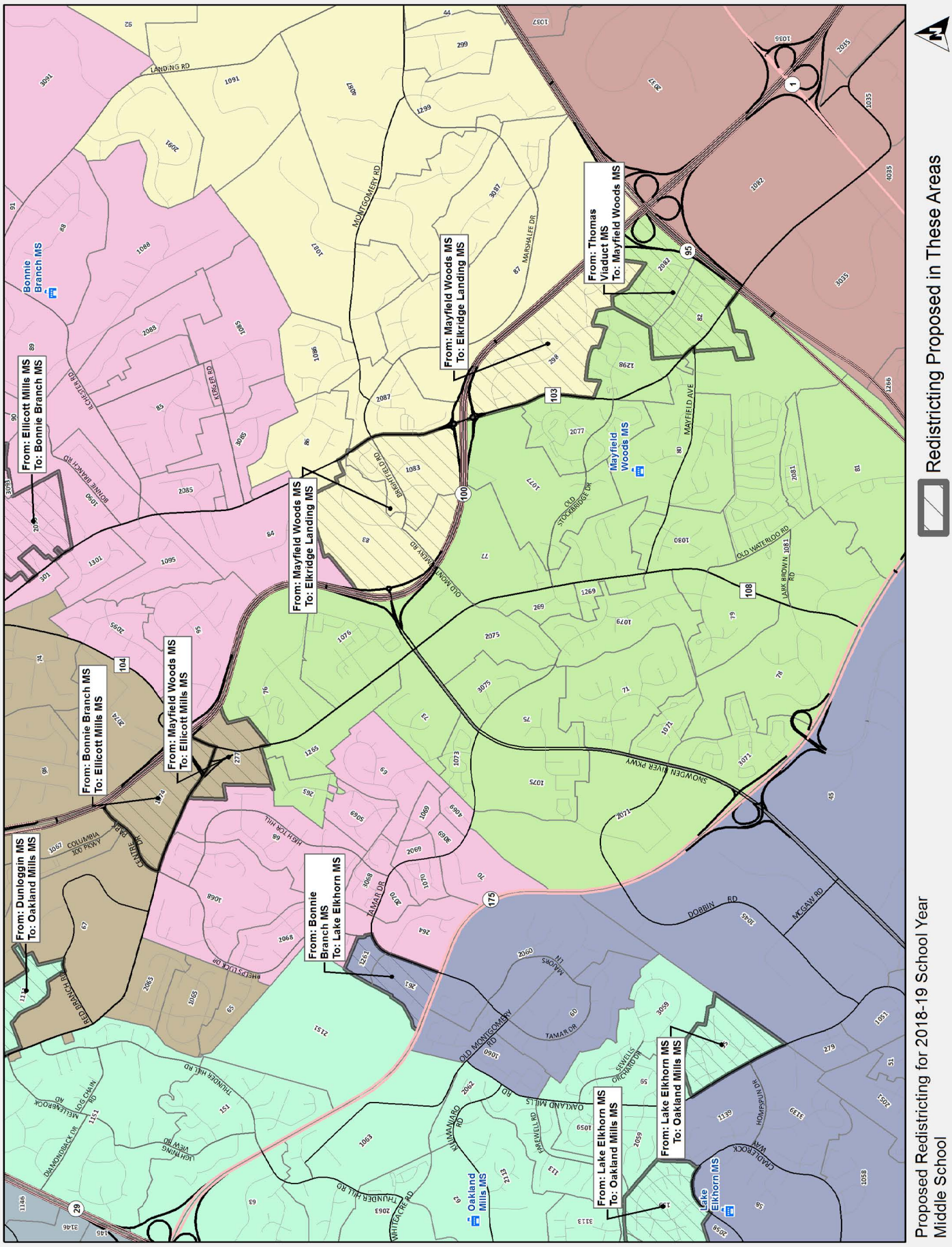
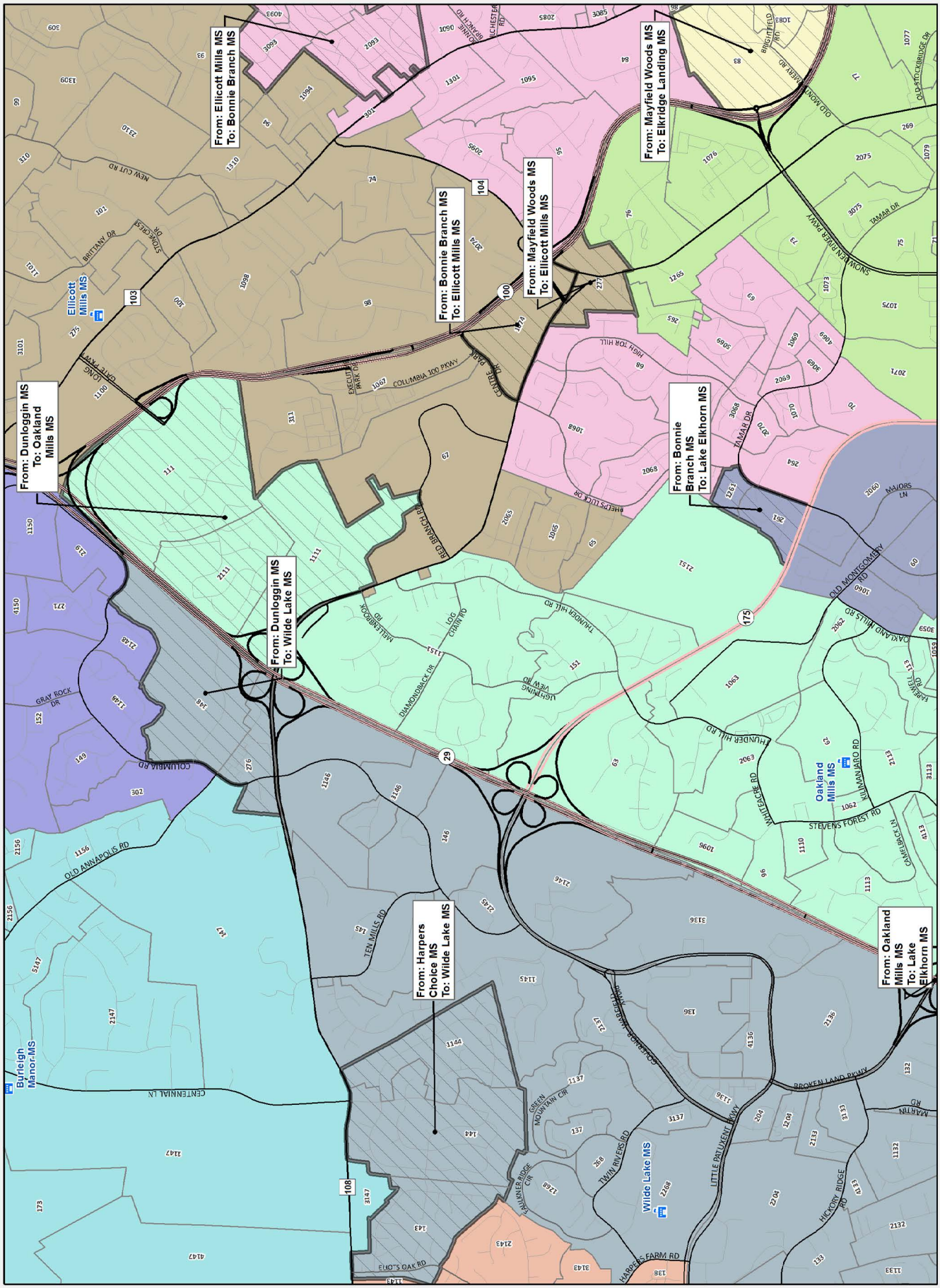
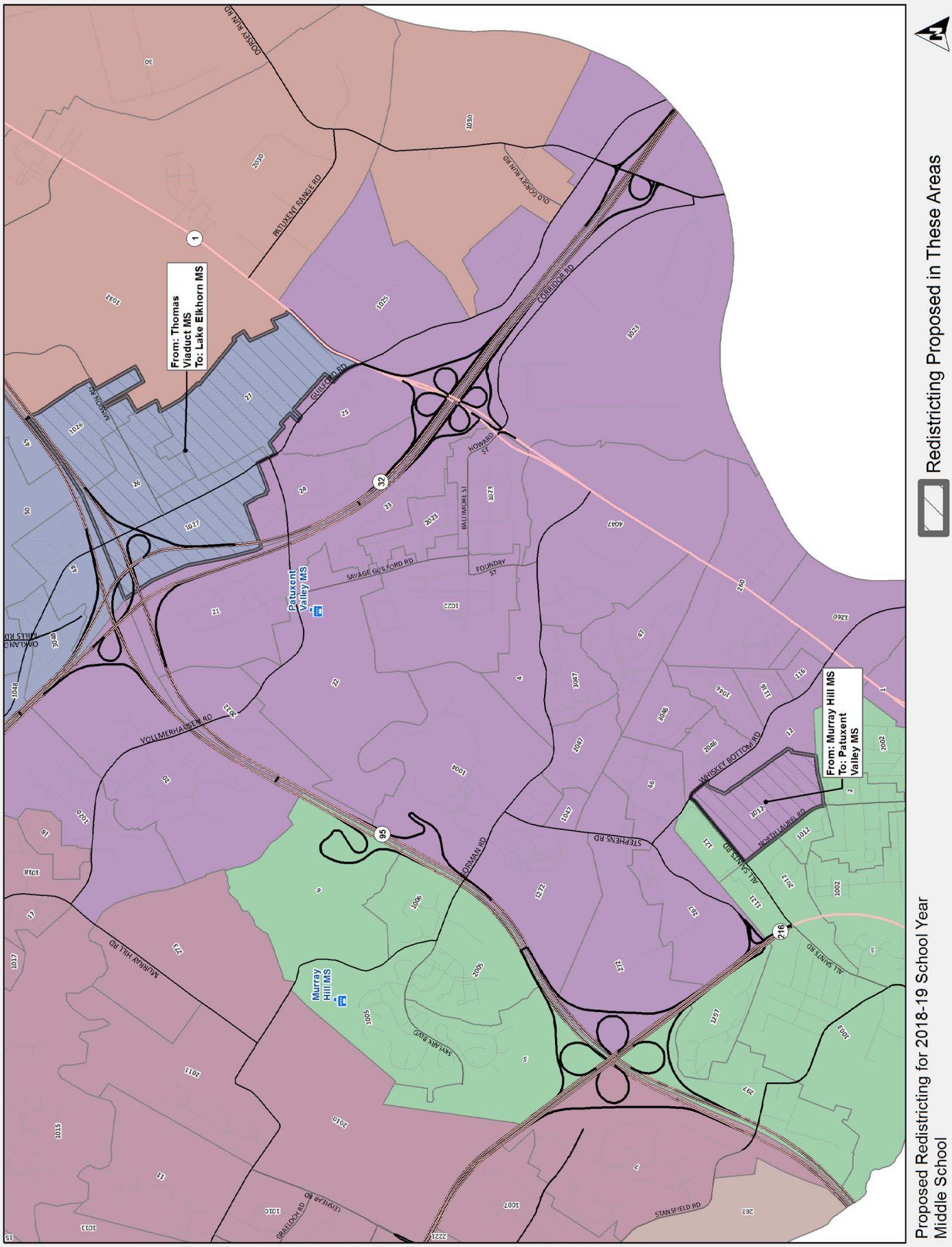
Redistricting Proposed in These Areas
Proposed Redistricting for 2018-19 School Year
Elementary School

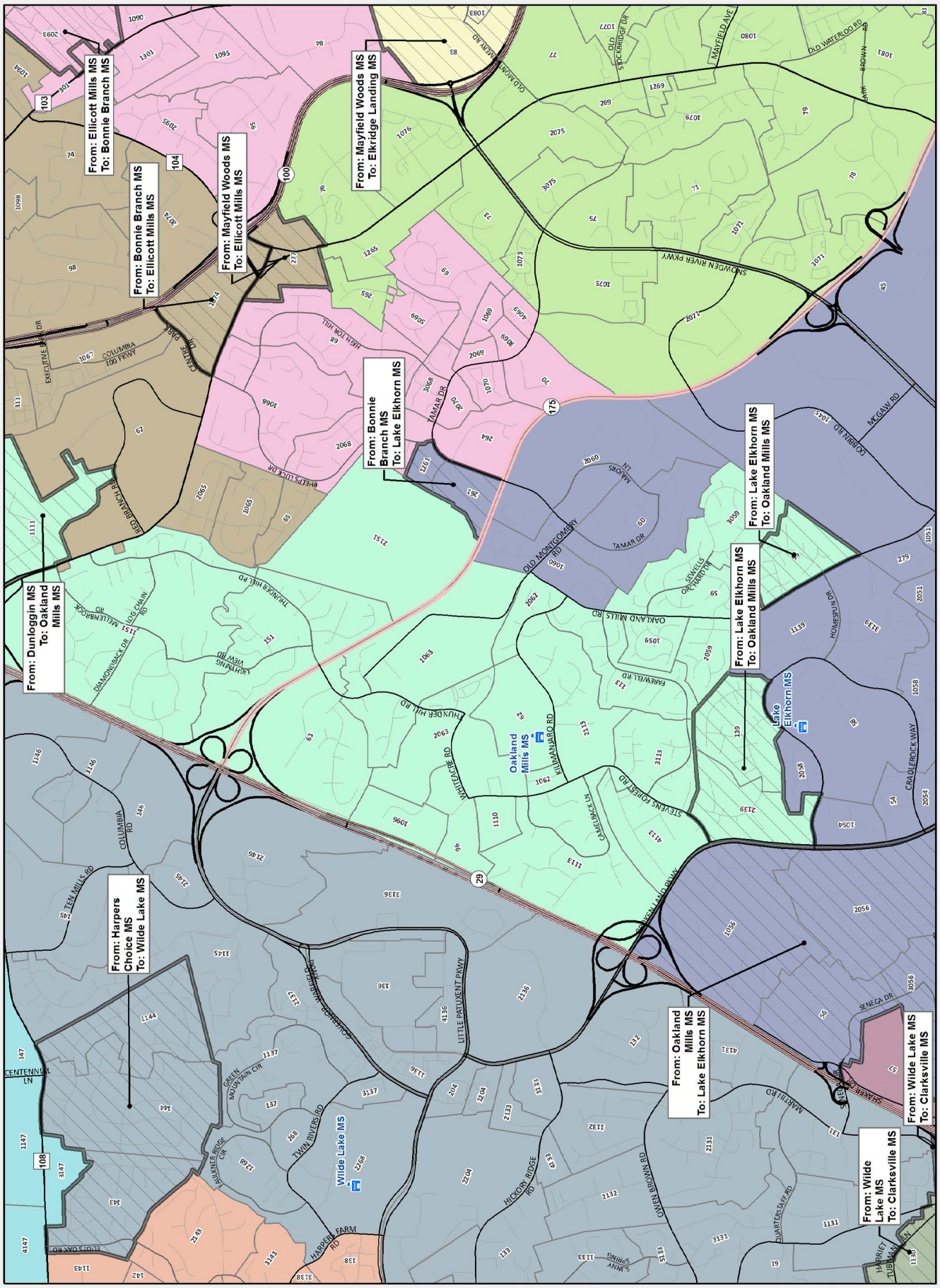

From: Clarksville ES To: Triadelphia Ridge ES
From: Clarksville ES To: Triadelphia Ridge ES
From: Dayton Oaks ES To: Triadelphia Ridge ES
From: Pointers Run ES To: Clarksville ES
From: Pointers Run ES To: Clarksville ES
From: Pointers Run ES To: Dayton Oaks ES
Redistricting Proposed in These Areas
Proposed Redistricting for 2018-19 School Year
Elementary School
Triadelphia Ridge ES
Clarksville ES
Dayton Oaks ES
Pointers Run ES
Swansfield ES
Longfellow ES
Manor Woods ES
HOMEWOOD RD
FOLLY QUARTER RD
GREAT STAR DR
GUILFORD RD
BRIGHTON DAM RD
TEN OAKS RD
HIGHLAND RD
TRIADELPHIA MILL RD
LINTHICUM RD
GREEN BRIDGE RD

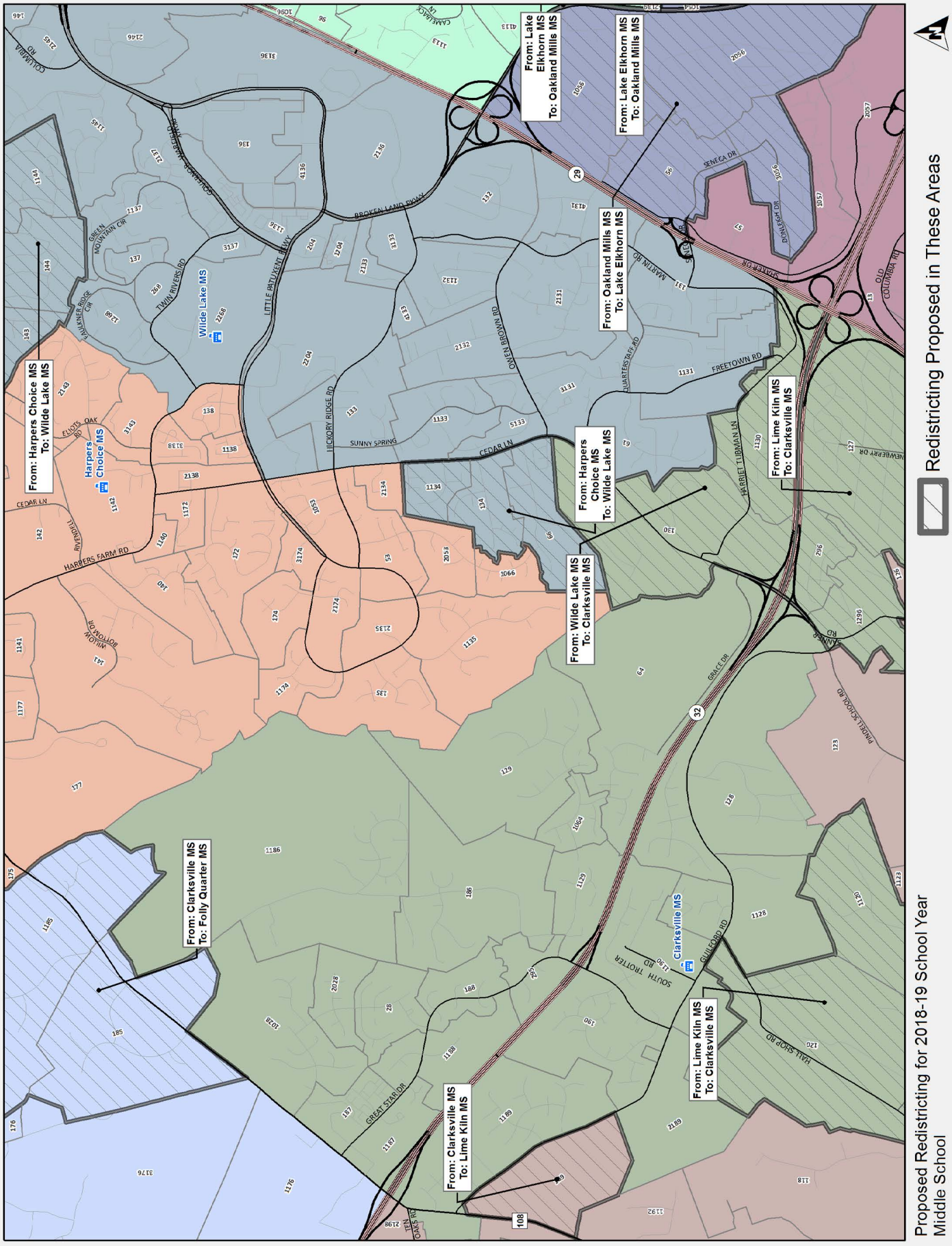

From: Dunloggin MS
To: Patapsco MS
From: Ellicott Mills MS
To: Dunloggin MS
From: Patapsco MS
To: Mount View MS
From: Burleigh Manor MS
To: Mount View MS
Patapsco MS
Redistricting Proposed in These Areas
Proposed Redistricting for 2018-19 School Year
Middle School

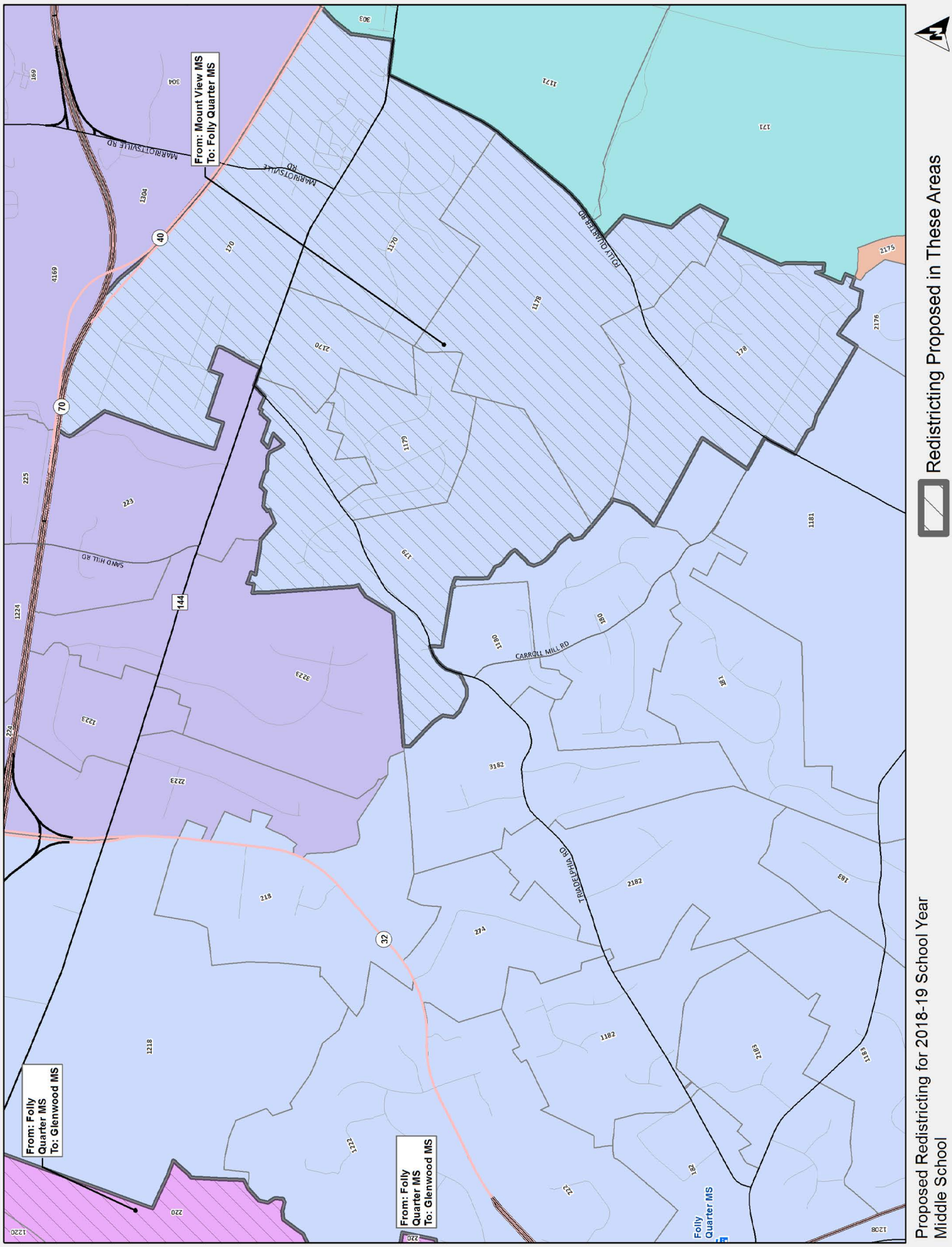

From: Ellicott Mills MS
To: Bonnie Branch MS
From: Bonnie Branch MS
To: Ellicott Mills MS
From: Dunloggin MS
To: Oakland Mills MS
From: Mayfield Woods MS
To: Ellicott Mills MS
From: Mayfield Woods MS
To: Elkridge Landing MS
From: Bonnie
Branch MS
To: Lake Elkhorn MS
From: Mayfield Woods MS
To: Elkridge Landing MS
From: Thomas
Viaduct MS
To: Mayfield Woods MS
From: Lake Elkhorn MS
To: Oakland Mills MS
From: Lake Elkhorn MS
To: Oakland Mills MS
Bonnie
Branch MS
Mayfield
Woods MS
Oakland
Mills MS
Lake
Elkhorn MS
Redistricting Proposed in These Areas
Proposed Redistricting for 2018-19 School Year
Middle School

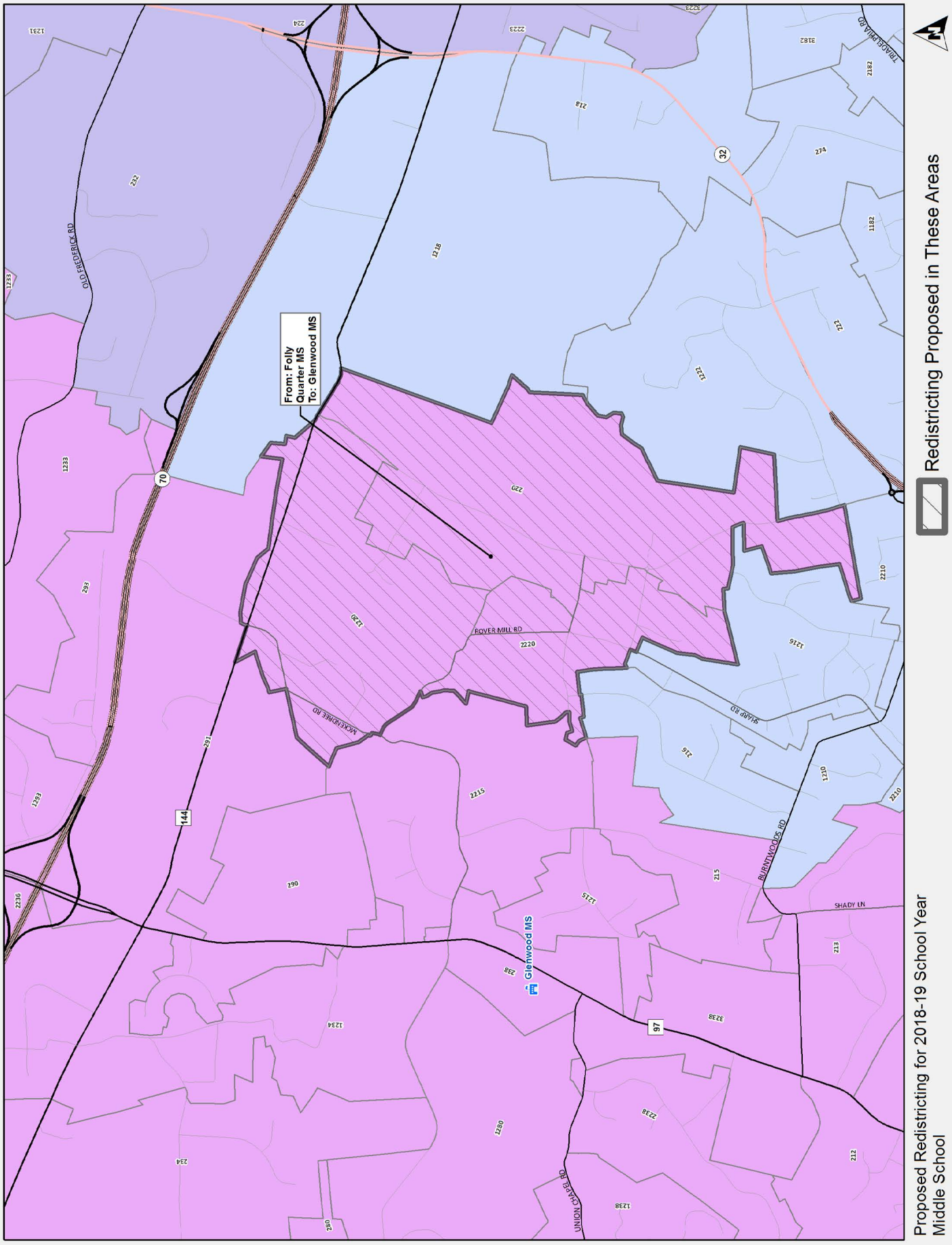

From: Ellicott Mills MS
To: Bonnie Branch MS
From: Mayfield Woods MS
To: Elkridge Landing MS
From: Bonnie Branch MS
To: Ellicott Mills MS
From: Mayfield Woods MS
To: Ellicott Mills MS
From: Dunloggin MS
To: Oakland Mills MS
From: Bonnie
Branch MS
To: Lake Elkhorn MS
From: Dunloggin MS
To: Wilde Lake MS
From: Harpers
Choice MS
To: Wilde Lake MS
From: Oakland
Mills MS
To: Lake
Elkhorn MS
Ellicott Mills MS
Oakland Mills MS
Wilde Lake MS
Burleigh Manor MS
COLUMBIA 100 PKWY
OLD ANNAPOLIS RD
TEN MILLS RD
STEVENS FOREST RD
BROKEN LAND PKWY
LITTLE PATUXENT PKWY
HARPERS FARM RD
OLD MONTGOMERY RD
THUNDER HILL RD
TWIN RIVERS RD
GREEN MOUNTAIN CIR
HICKORY RIDGE RD
Redistricting Proposed in These Areas
Proposed Redistricting for 2018-19 School Year
Middle School

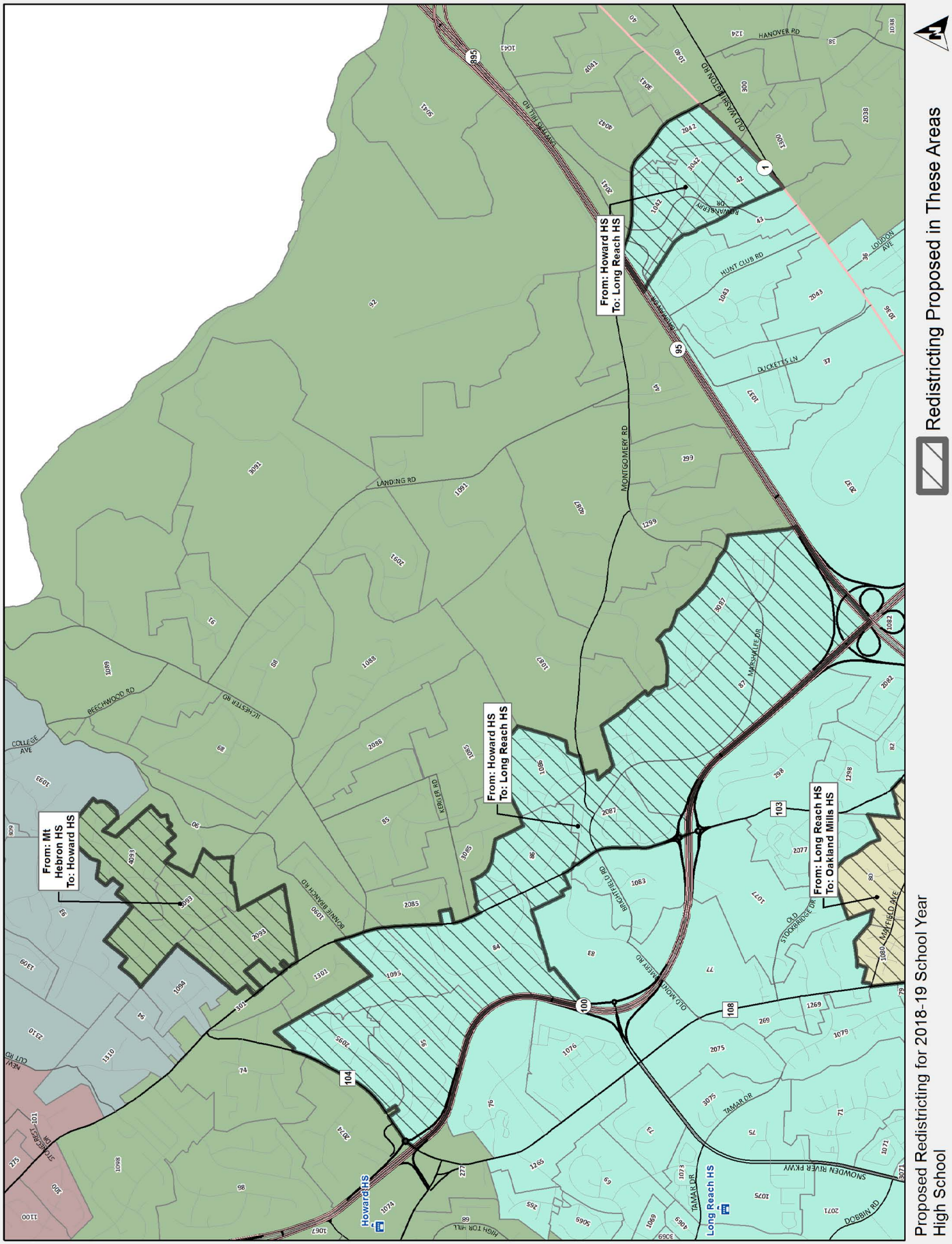

From: Thomas Viaduct MS
To: Lake Elkhorn MS
From: Murray Hill MS
To: Patuxent Valley MS
Patuxent Valley MS
Murray Hill MS
Redistricting Proposed in These Areas
Proposed Redistricting for 2018-19 School Year
Middle School

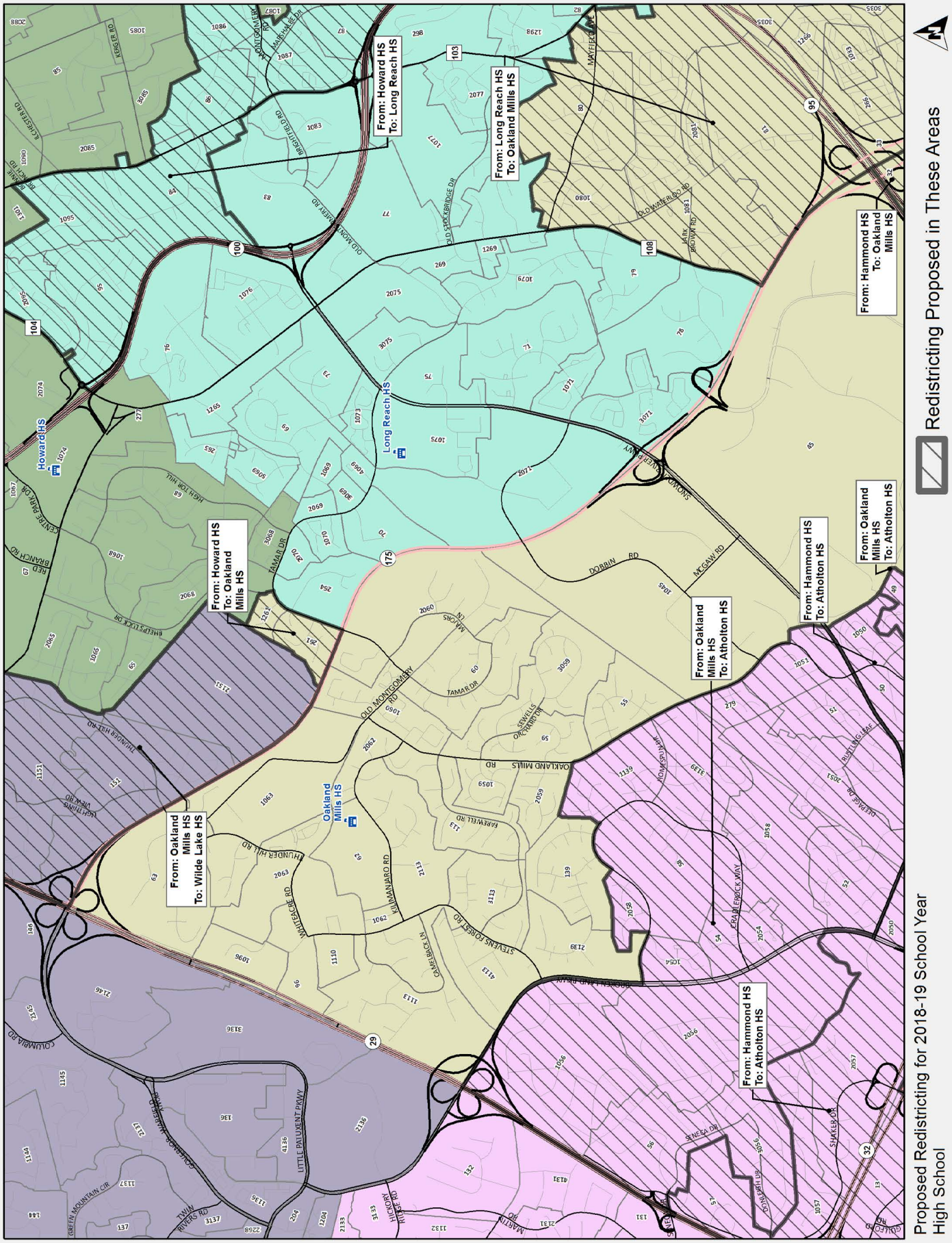

From: Ellicott Mills MS
To: Bonnie Branch MS
From: Bonnie Branch MS
To: Ellicott Mills MS
From: Mayfield Woods MS
To: Ellicott Mills MS
From: Mayfield Woods MS
To: Elkridge Landing MS
From: Bonnie
Branch MS
To: Lake Elkhorn MS
From: Lake Elkhorn MS
To: Oakland Mills MS
From: Lake Elkhorn MS
To: Oakland Mills MS
From: Lake Elkhorn MS
To: Oakland Mills MS
From: Dunloggin MS
To: Oakland
Mills MS
From: Harpers
Choice MS
To: Wilde Lake MS
From: Oakland
Mills MS
To: Lake Elkhorn MS
From: Wilde Lake MS
To: Clarksville MS
From: Wilde
Lake MS
To: Clarksville MS
Oakland
Mills MS
Lake
Elkhorn MS
Wilde Lake MS
Redistricting Proposed in These Areas
Proposed Redistricting for 2018-19 School Year
Middle School

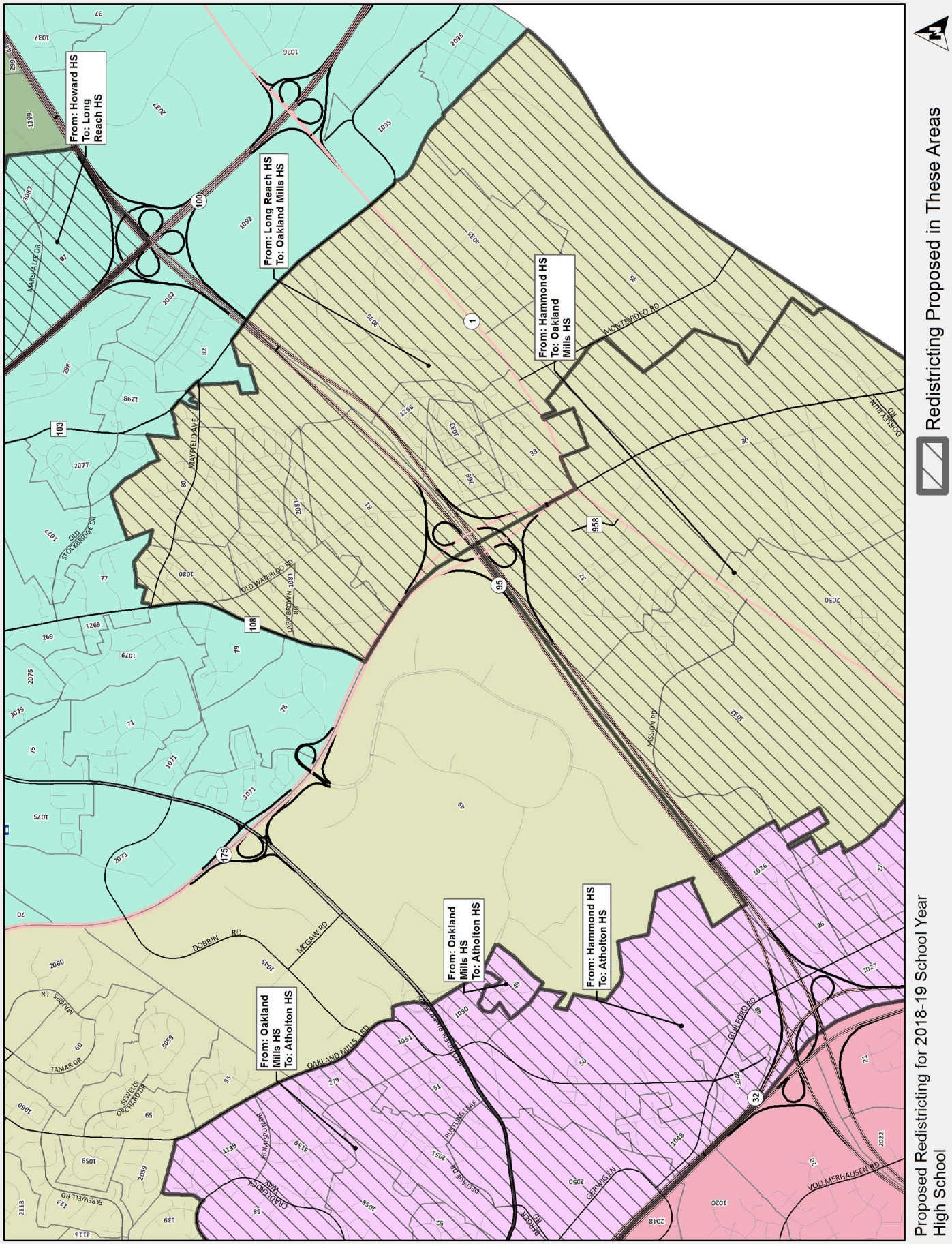

From: Harpers Choice MS
To: Wilde Lake MS
From: Lake Elkhorn MS
To: Oakland Mills MS
From: Lake Elkhorn MS
To: Oakland Mills MS
From: Oakland Mills MS
To: Lake Elkhorn MS
From: Harpers Choice MS
To: Wilde Lake MS
From: Lime Kiln MS
To: Clarksville MS
From: Wilde Lake MS
To: Clarksville MS
From: Clarksville MS
To: Folly Quarter MS
From: Clarksville MS
To: Lime Kiln MS
From: Lime Kiln MS
To: Clarksville MS
Wilde Lake MS
Harpers Choice MS
Clarksville MS
Redistricting Proposed in These Areas
Proposed Redistricting for 2018-19 School Year
Middle School

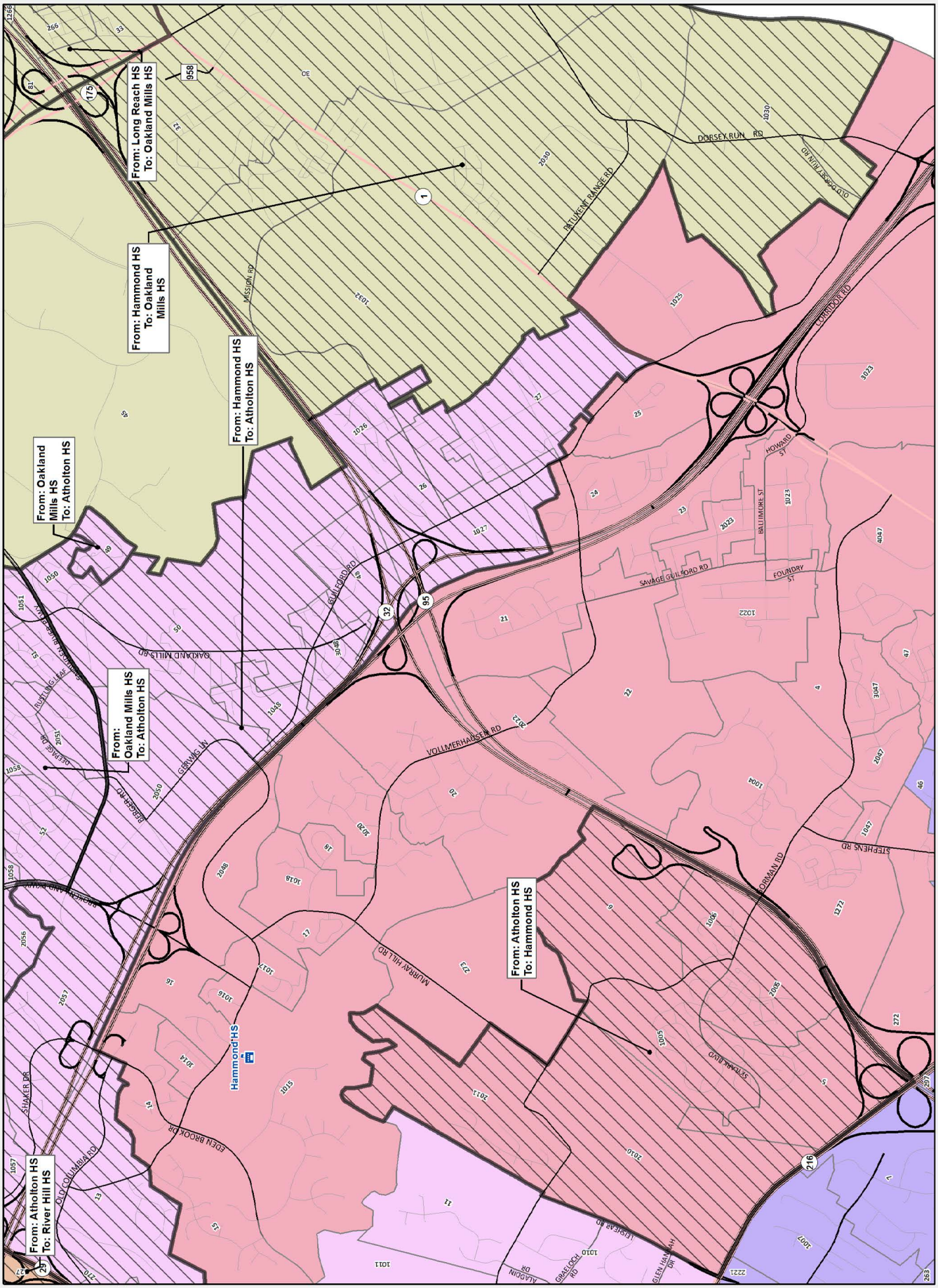

From: Mount View MS
To: Folly Quarter MS
From: Folly
Quarter MS
To: Glenwood MS
From: Folly
Quarter MS
To: Glenwood MS
Folly
Quarter MS
MARRIOTTSVILLE RD
MARRIOTTSVILLE RD
FOLLY QUARTER RD
CARROLL MILL RD
TRIADELPHIA RD
SAND HILL RD
Redistricting Proposed in These Areas
Proposed Redistricting for 2018-19 School Year
Middle School

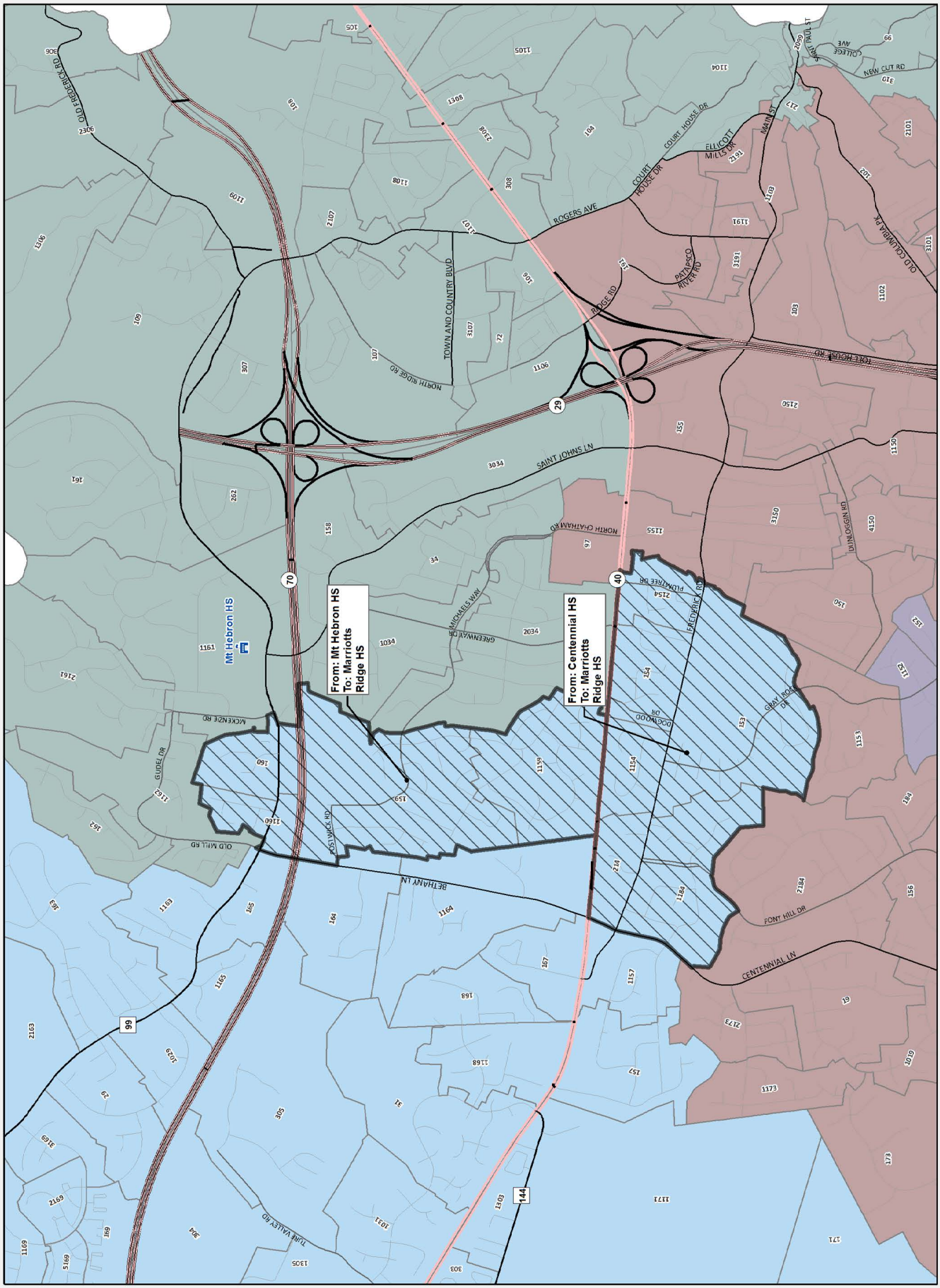

From: Folly Quarter MS
To: Glenwood MS
Glenwood MS
ROVER MILL RD
OLD FREDERICK RD
MCKENDREE RD
SHARP RD
BUNNYWOODS RD
SHADY LN
UNION CHAPEL RD
TRADESPHILA RD
Redistricting Proposed in These Areas
Proposed Redistricting for 2018-19 School Year
Middle School

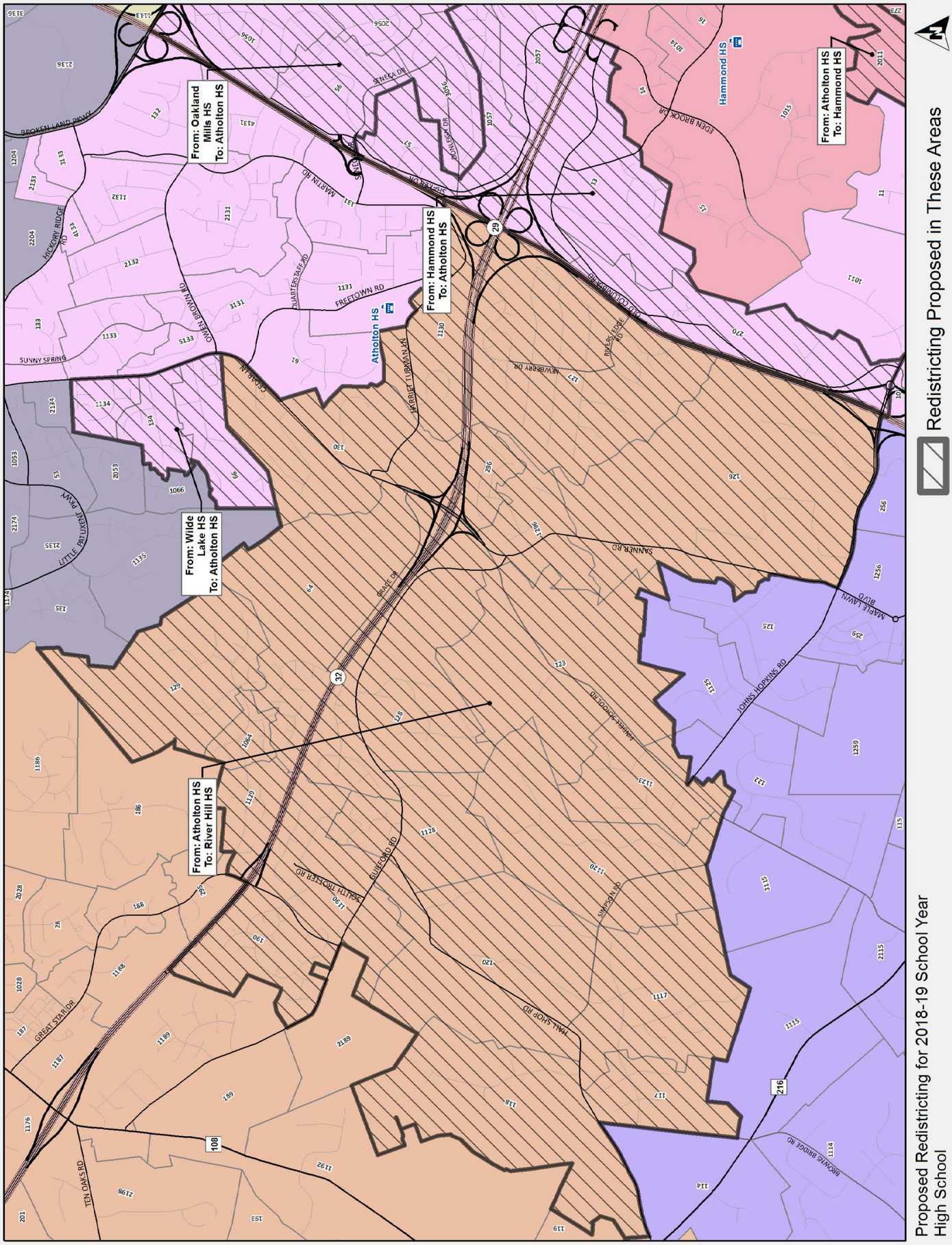

From: Howard HS
To: Long Reach HS
From: Howard HS
To: Long Reach HS
From: Howard HS
To: Long Reach HS
From: Mt Hebron HS
To: Howard HS
From: Long Reach HS
To: Oakland Mills HS
Howard HS
Long Reach HS
Redistricting Proposed in These Areas
Proposed Redistricting for 2018-19 School Year
High School

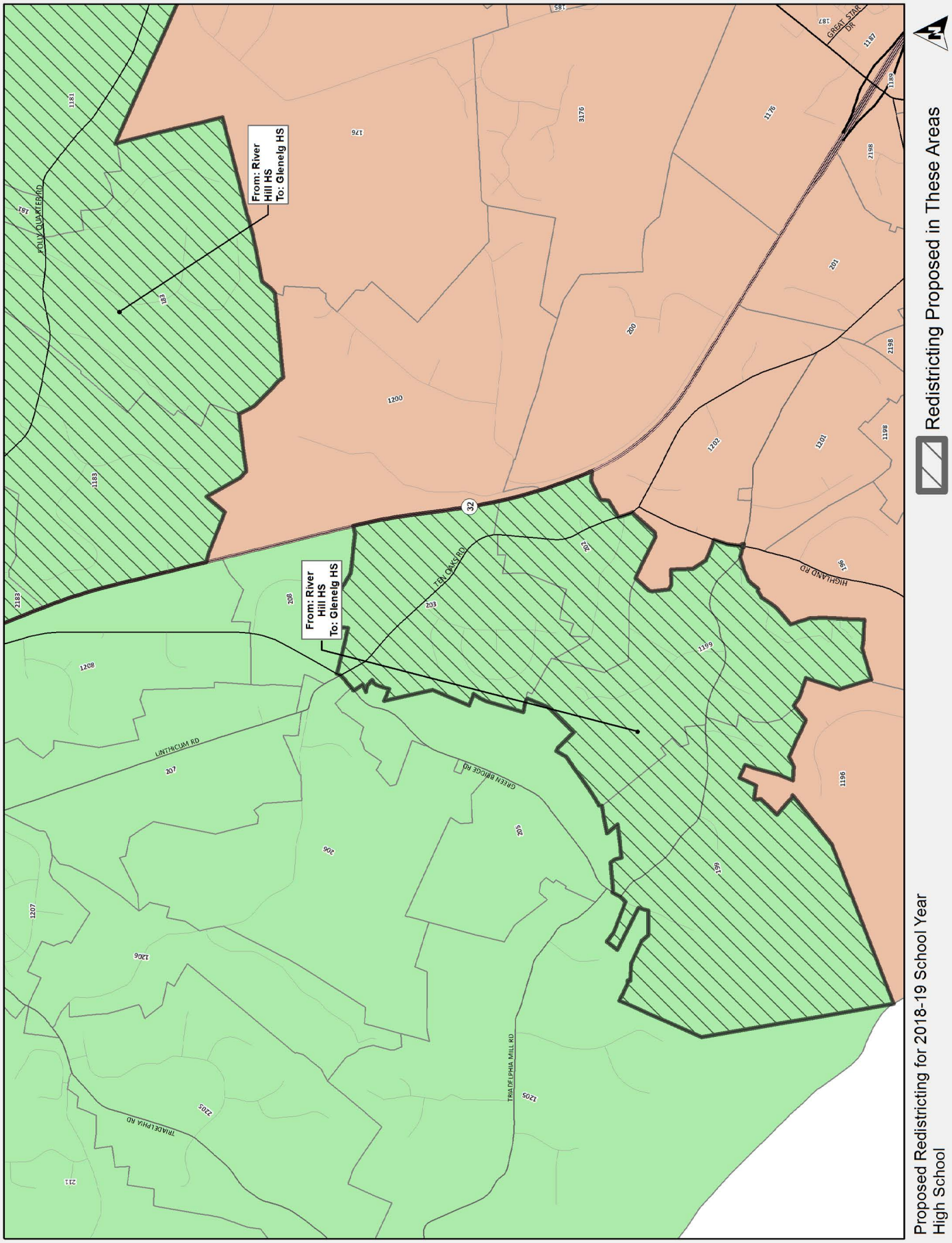

From: Howard HS
To: Long Reach HS
From: Long Reach HS
To: Oakland Mills HS
From: Hammond HS
To: Oakland Mills HS
From: Howard HS
To: Oakland Mills HS
From: Oakland Mills HS
To: Wilde Lake HS
From: Oakland Mills HS
To: Atholton HS
From: Hammond HS
To: Atholton HS
From: Oakland Mills HS
To: Atholton HS
From: Hammond HS
To: Atholton HS
Howard HS
Long Reach HS
Oakland Mills HS
Redistricting Proposed in These Areas
Proposed Redistricting for 2018-19 School Year
High School

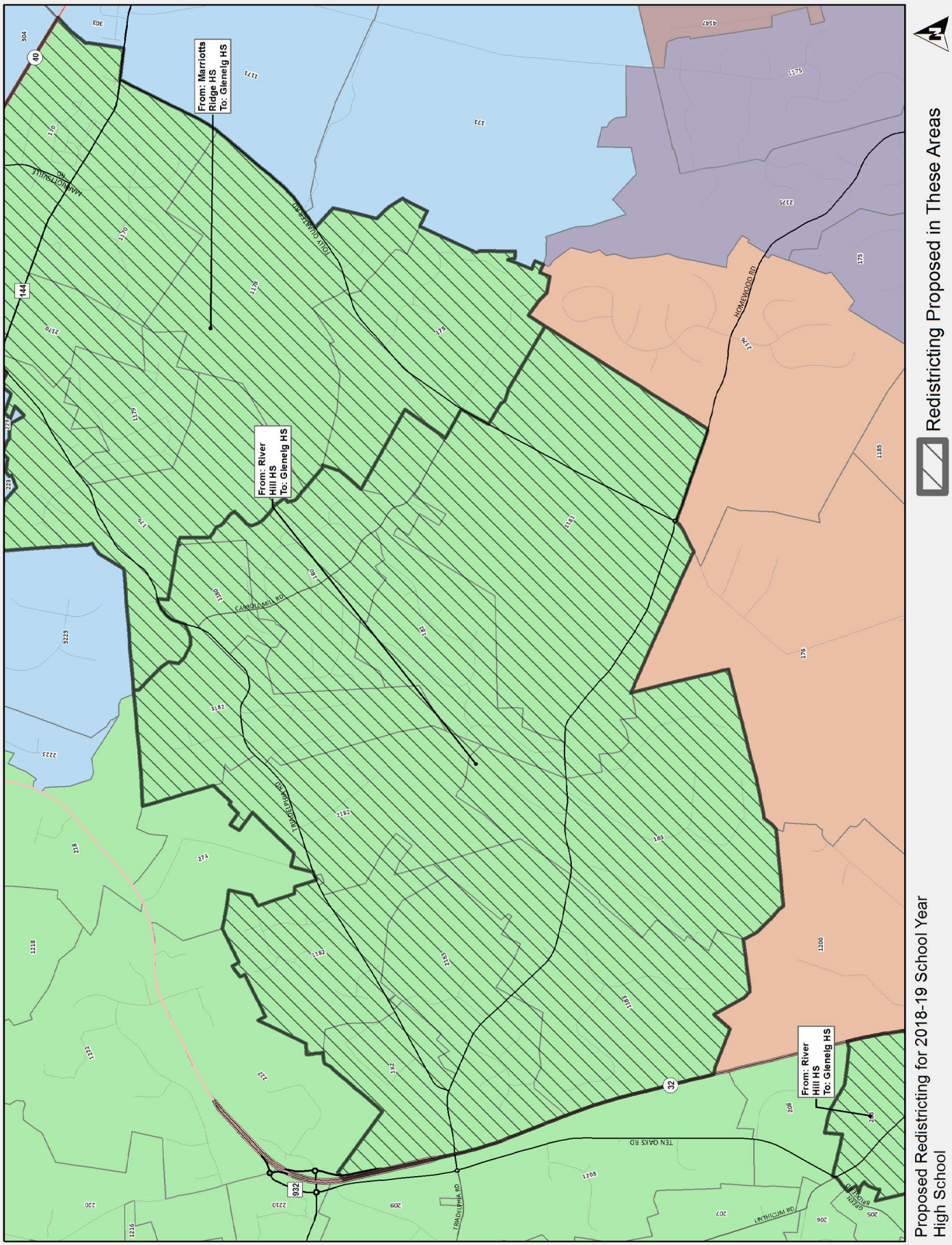

From: Howard HS
To: Long
Reach HS
From: Long Reach HS
To: Oakland Mills HS
From: Hammond HS
To: Oakland
Mills HS
From: Oakland
Mills HS
To: Atholton HS
From: Hammond HS
To: Atholton HS
From: Oakland
Mills HS
To: Atholton HS
Redistricting Proposed in These Areas
Proposed Redistricting for 2018-19 School Year
High School

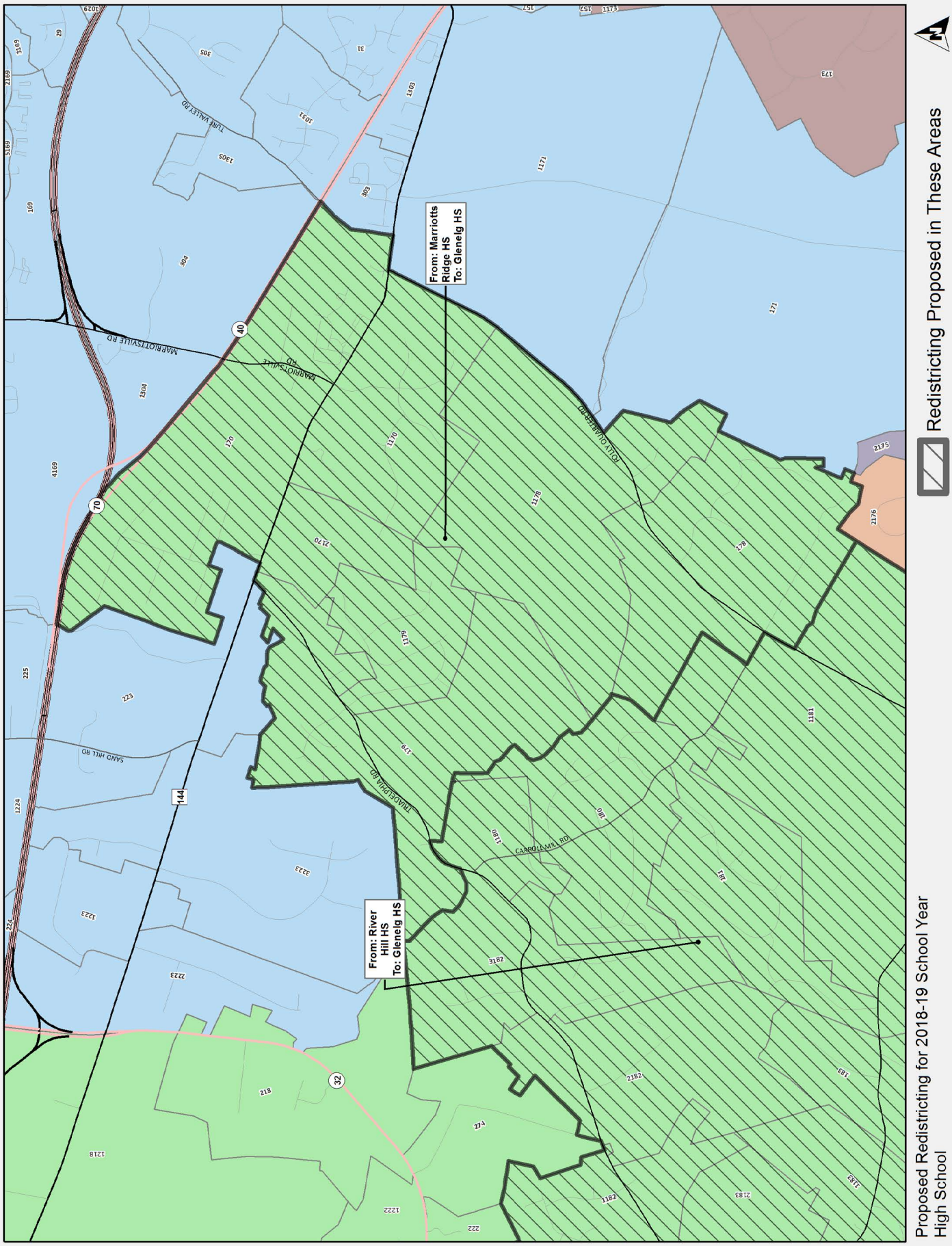

From: Long Reach HS
To: Oakland Mills HS
From: Hammond HS
To: Oakland Mills HS
From: Hammond HS
To: Atholton HS
From: Oakland Mills HS
To: Atholton HS
From: Oakland Mills HS
To: Atholton HS
From: Atholton HS
To: River Hill HS
From: Atholton HS
To: Hammond HS
Hammond HS
DORSEY RUN RD
PATUXENT RANGE RD
OLD DORSEY RUN RD
MISSION RD
GUILFORD RD
SAVAGE GUILFORD RD
HOWARD ST
BALTIMORE ST
FOUNDRY ST
CORRIDOR RD
OAKLAND MILLS RD
GERWIG LN
VOLLMERHAUSEN RD
MURRAY HILL RD
STEPHENS RD
NORMAN RD
SKYLARK BLVD
SHAKER DR
EDEN BROOK DR
OLD COLUMBIA RD
LEISHEAR RD
GRAELOCH RD
ALADDIN DR
GLEN HAVEN DR
Redistricting Proposed in These Areas
Proposed Redistricting for 2018-19 School Year
High School


From: Mt Hebron HS
To: Marriotts Ridge HS
From: Centennial HS
To: Marriotts Ridge HS
Mt Hebron HS
Redistricting Proposed in These Areas
Proposed Redistricting for 2018-19 School Year
High School


From: Oakland Mills HS
To: Atholton HS
From: Hammond HS
To: Atholton HS
From: Atholton HS
To: Hammond HS
From: Wilde Lake HS
To: Atholton HS
From: Atholton HS
To: River Hill HS
Atholton HS
Hammond HS
Redistricting Proposed in These Areas
Proposed Redistricting for 2018-19 School Year
High School


From: River Hill HS
To: Glenelg HS
From: River Hill HS
To: Glenelg HS
Redistricting Proposed in These Areas
Proposed Redistricting for 2018-19 School Year
High School
N
32
TEN OAKS RD
HIGHLAND RD
GREAT STAR DR
FOLLY QUARTER RD
LINTHICUM RD
GREEN BRIDGE RD
TRIADELPHIA RD
TRIADELPHIA MILL RD


From: Marriotts Ridge HS
To: Glenelg HS
From: River Hill HS
To: Glenelg HS
From: River Hill HS
To: Glenelg HS
Redistricting Proposed in These Areas
Proposed Redistricting for 2018-19 School Year
High School


From: Marriotts Ridge HS
To: Glenelg HS
From: River Hill HS
To: Glenelg HS
Redistricting Proposed in These Areas
Proposed Redistricting for 2018-19 School Year
High School