Lexington-Richland School District Five

Growth Forecasting and Redistricting Study

Board Workshop

January 6, 2021

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Recap of Process to Date



Collected and Analyzed Data



Identified Trends



Projected Enrollment



Assessed Growth and Facilities



Engaged the Community



Developed Initial Scenarios

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Project Charge

Primary Guiding Criteria

- Address overcrowding in the Chapin Cluster and provide ample capacity to support long-term enrollment growth in this area
- Develop an attendance zone for Piney Woods Elementary School
- Balance enrollments across all school buildings to ensure efficient and equitable use

These criteria represent the primary purpose of the redistricting process. These criteria should be met for all redistricting options.

Project Charge

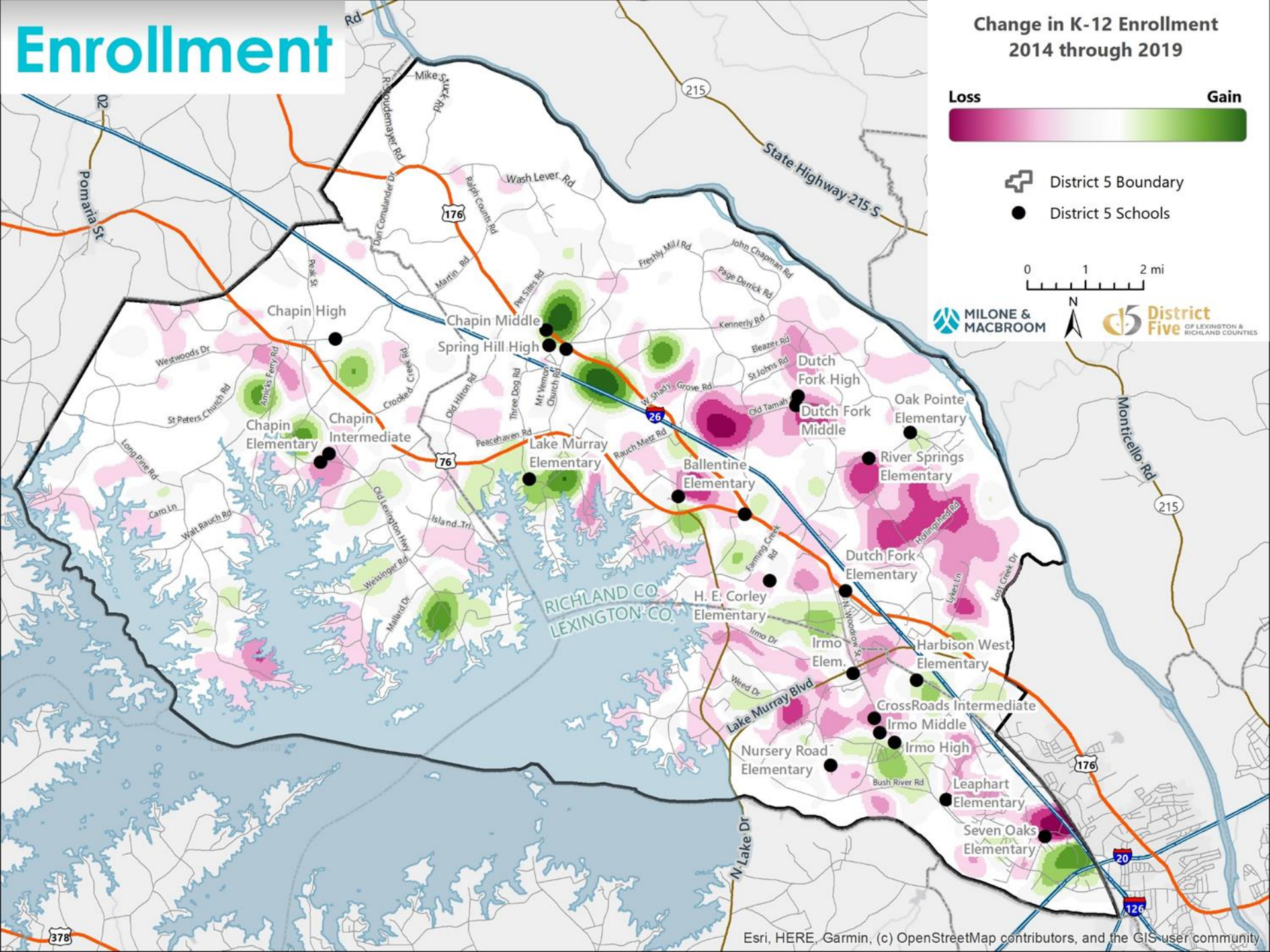
Secondary Guiding Criteria

- Maintain geographic proximity and align with neighborhood boundaries
- Maintain existing cluster model and feeder pattern
- Minimize disruption to students and families

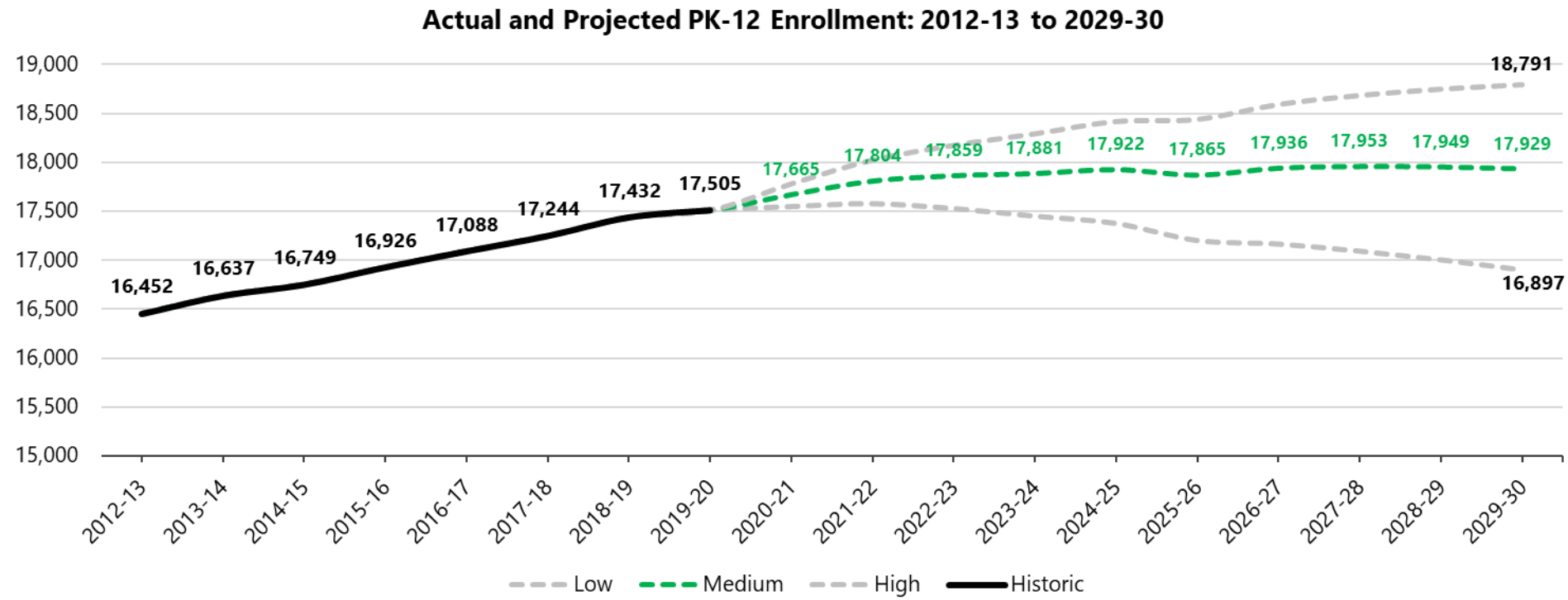
These criteria represent the secondary considerations for the redistricting process.

Redistricting options should strive to align with these criteria to the greatest extent possible and will help the Board of Trustees to select a preferred option for adoption.

Enrollment


Change in K-12 Enrollment
2014 through 2019
Loss
Gain
District 5 Boundary
District 5 Schools
0
1
2 mi
N
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Chapin High
Chapin Middle
Spring Hill High
Chapin Elementary
Chapin Intermediate
Lake Murray Elementary
Ballentine Elementary
Dutch Fork High
Dutch Fork Middle
Oak Pointe Elementary
River Springs Elementary
Dutch Fork Elementary
H. E. Corley Elementary
Irmo Elem.
Harbison West Elementary
CrossRoads Intermediate
Irmo Middle
Irmo High
Nursery Road Elementary
Leaphart Elementary
Seven Oaks Elementary
RICHLAND CO.
LEXINGTON CO.
State Highway 215 S
Monticello Rd
Pomaria St
Wash Lever Rd
Martin Rd
Pet Sites Rd
Freshly Mill Rd
John Chapman Rd
Page Derrick Rd
Kennerly Rd
Bleazer Rd
St Johns Rd
W Shady Grove Rd
Old Tamah
Peachtree Rd
Rauch Metz Rd
Farming Creek Rd
Hollingshed Rd
Lake Murray Blvd
Irmo Dr
Weed Dr
Bush River Rd
N Lake Dr
Island Trl
Old Lexington Hwy
Westinger Rd
Mallard Dr
Walt Rauch Rd
Caro Ln
Long Pine Rd
St Peters Church Rd
Westwoods Dr
Amicks Ferry Rd
Crooked Creek Rd
Old Hilton Rd
Three Dog Rd
Mt Vernon Church Rd
Ralph Counts Rd
Dan Comalander Dr
R Stoudemayer Rd
Mike Stuck Rd
Peak St
Lyles Ln
Lost Creek Dr
N Woodrow St
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Districtwide Projections (PK-12)



- **Medium model projects enrollment increasing by about 2.4% over the next five years before stabilizing at about 17,900 students**
- Low model projects a 3.5% decrease through 2029-30
- High model projects a 7.3% increase through 2029-30

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Elementary School Utilization (PK-5)

Enrollment Targets and Projected Utilization

School	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30
Ballentine Elementary [1]	92%	96%	99%	100%	99%	101%	99%	98%	98%	98%	98%
Chapin Elementary	104%	110%	112%	114%	112%	112%	112%	111%	111%	112%	112%
Chapin Intermediate	Included in Intermediate/Middle School Analysis										
Dutch Fork Elementary Academy of Environmental Sciences [1]	89%	89%	89%	89%	86%	83%	85%	84%	84%	84%	85%
H. E. Corley Leadership Magnet & Montessori Magnet	95%	93%	95%	93%	95%	95%	93%	92%	92%	92%	92%
Harbison West Elementary (including Escolares Academy)	96%	96%	94%	96%	93%	96%	95%	94%	94%	94%	95%
Irmo Elementary	101%	105%	107%	113%	115%	116%	115%	114%	114%	114%	115%
Lake Murray Elementary [1]	121%	121%	117%	118%	116%	116%	115%	114%	114%	115%	115%
Leaphart Elementary STEAM Magnet	65%	68%	70%	70%	69%	70%	71%	70%	70%	70%	71%
Nursery Road Elementary	66%	69%	69%	70%	67%	67%	69%	68%	68%	68%	69%
Oak Pointe Elementary	85%	79%	74%	71%	68%	70%	70%	70%	70%	70%	70%
River Springs Elementary [1]	62%	62%	62%	62%	60%	60%	61%	60%	60%	60%	60%
Seven Oaks Elementary Media Magnet	95%	91%	87%	85%	82%	81%	83%	82%	82%	82%	82%

1. Assumes Enrollment Freeze continues

Optimal | Near Target | Over Target

- **Even with enrollment freeze, LMES, CES are projected to exceed enrollment targets**
- **Piney Woods will address elementary overcrowding in the Chapin Cluster when it opens for 2021-22 school year**

Middle & Intermediate Utilization

School	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	Enrollment Target
Chapin Intermediate	78%	80%	86%	86%	87%	91%	91%	92%	89%	87%	87%	1,018
Chapin Middle	84%	82%	76%	77%	84%	84%	84%	88%	89%	89%	87%	1,200
CrossRoads Intermediate	66%	72%	71%	69%	72%	67%	67%	72%	69%	68%	65%	1,098
Dutch Fork Middle	88%	85%	85%	87%	86%	86%	85%	82%	85%	86%	84%	1,149
Irmo Middle International Academic Magnet - iAM	86%	87%	84%	86%	85%	85%	84%	83%	85%	85%	83%	1,181

- **Overall, Intermediate and Middle Schools are well utilized with nearly all schools within 75% to 85% of enrollment targets**
- CIS projected to exceed 90% utilization for three years in the mid 2020s

High School Utilization

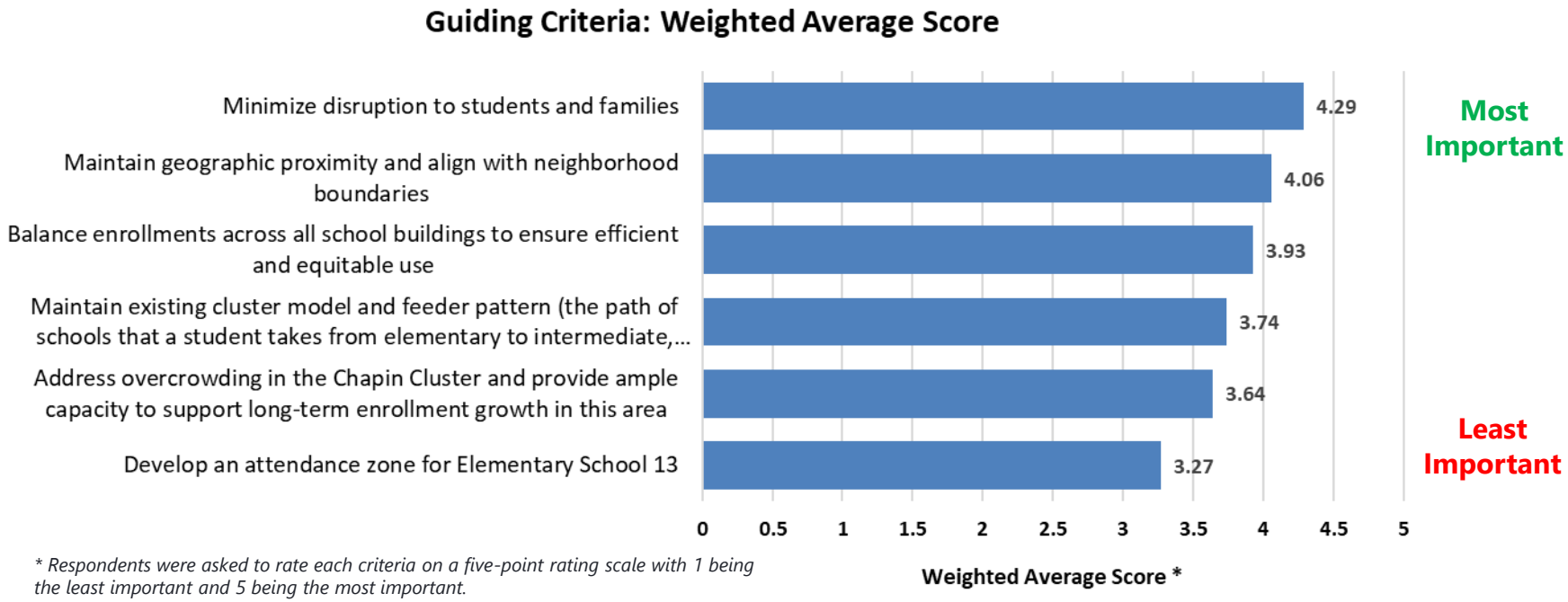
School	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	Enrollment Target
Chapin High	87%	93%	97%	97%	98%	97%	98%	99%	103%	106%	106%	1,700
Dutch Fork High (including STEM program)	77%	74%	74%	70%	69%	69%	69%	70%	69%	68%	68%	2,207
Irmo High International School of the Arts (includes IB)	59%	62%	67%	70%	71%	72%	71%	72%	71%	70%	71%	2,141
Spring Hill High Career Pathways Magnet	94%	93%	95%	95%	95%	95%	95%	96%	96%	96%	97%	1,200

Spring Hill Enrollment Target is held at 1,200 students per Board policy

- **CHS expected to exceed 90% of enrollment target over each of the next ten years**
  - **Will exceed 100% of enrollment target over the final three years of the projections**
  - **Enrollment pressures will be greater when enrollment freeze ends**

Online Community Survey

- Provided feedback on Guiding Criteria
- Ran from July 14, 2020 through July 31, 2020
- **7,664 individual responses**



** Respondents were asked to rate each criteria on a five-point rating scale with 1 being the least important and 5 being the most important.*

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Online Scenario Map Viewer

Scenario 1

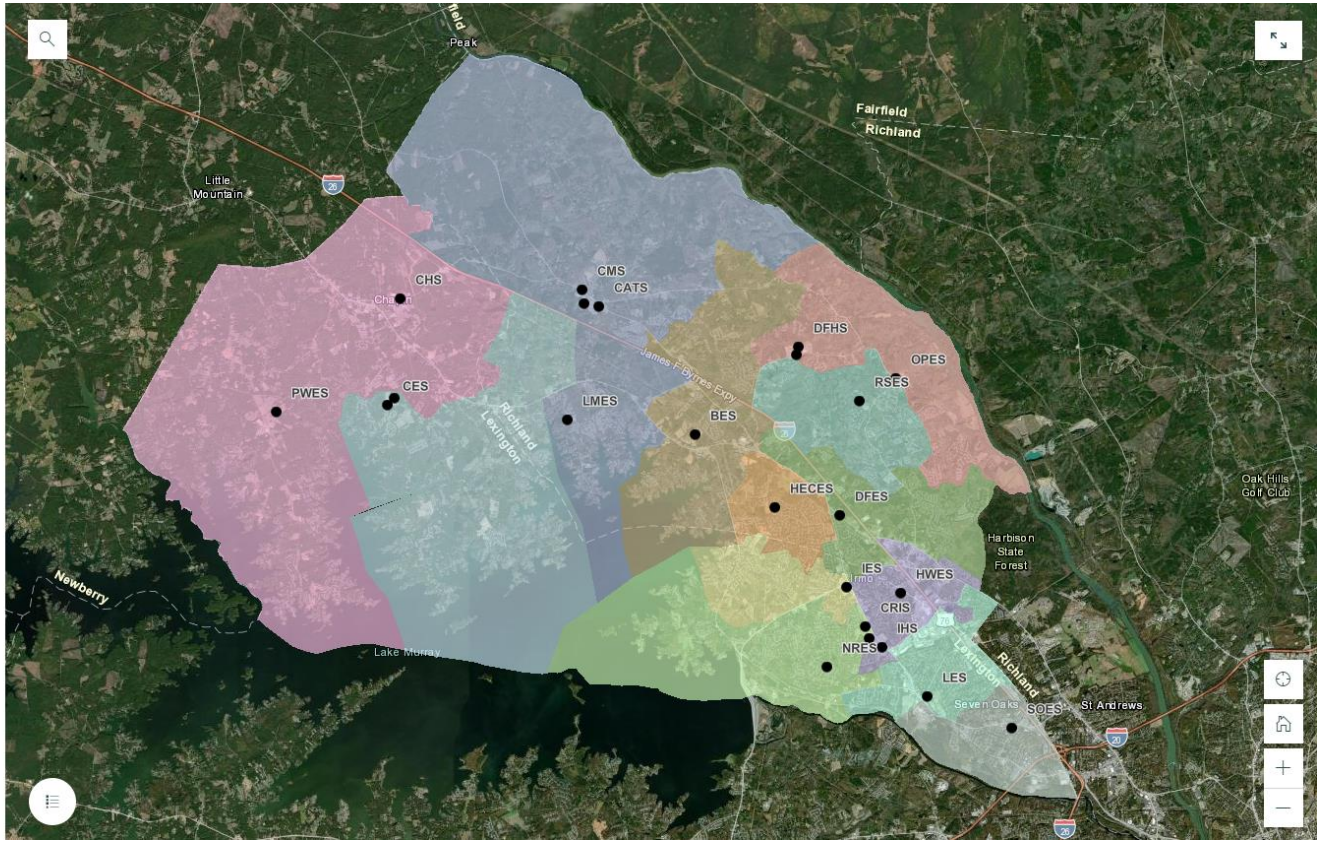
Use the magnifying glass in the upper left hand corner to search by address, or use the cross hairs on the bottom right to zoom to your location. The map is colored based on the elementary attendance zones under Scenario 1. Click on an attendance zone to discover the intermediate, middle, and high schools that belong to each area.

Legend

District Schools

Scenario 1

- Ballentine Elementary
- Chapin Elementary
- Dutch Fork Elementary Academy of Environmental Sciences
- H. E. Corley Leadership Magnet & Montessori Magnet
- Harbison West Elementary (including Escolares Academy)
- Irmo Elementary
- Lake Murray Elementary
- Leaphart Elementary STEAM Magnet
- Nursery Road Elementary
- Oak Pointe Elementary
- Piney Woods Elementary



- Allows public to view Scenarios, understand impacts, and provide feedback
- Launched on October 12, 2020
- **About 3,000 page views over the last three months**

Initial Scenarios: Recap

Scenario	Objective	Pros	Cons
Scenario 1	• Minimize Disruption • Focus on Chapin Cluster • Eliminate Split Feeder Pattern • Piney Woods PK-4	• ES enrollment balance • Lowest redistricting impacts	• CHS would be overcrowded • "Pocket" redistricting at HS level
Scenario 2	• Minimize Disruption • Focus on Chapin Cluster • Address CHS overcrowding • Piney Woods PK-5	• Enrollment balance across all grade groupings • HS can be "phased in" over time	• Greater redistricting impacts than Scenario 1 • Split HS feeder pattern
Scenario 3	• Optimize Elementary Enrollment • Comprehensive Redistricting • Piney Woods PK-5	• Optimized ES enrollment ensures efficient and equitable use • Direct feeder pattern	• DFMS would be overcrowded • Greatest redistricting impacts • "Pocket" redistricting
Scenario 4	• Balance Disruption with Enrollment Optimization • Piney Woods PK-5	• Enrollment balance across all grade groupings • MS/HS can be "phased in" over time	• Moderate redistricting impacts • "Pocket" redistricting • Split MS/HS feeder pattern

Follow Up Scenarios

Follow Up Scenarios

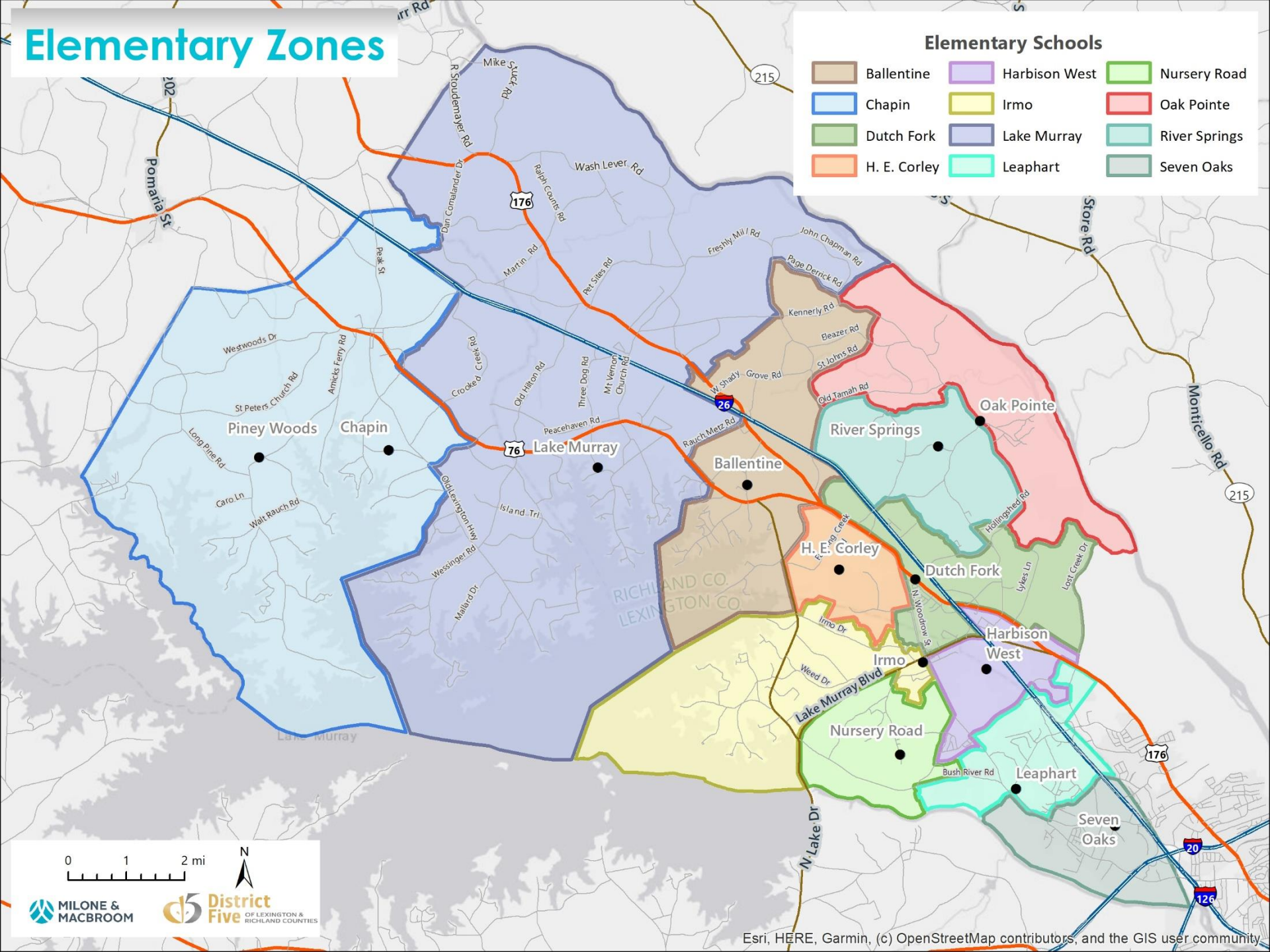
- Focus on short term efforts needed for next school year:
  - Create attendance zone for Piney Woods for the 2021-2022 school year
  - No immediate changes to intermediate, middle, and high school attendance zones

Follow Up Scenarios

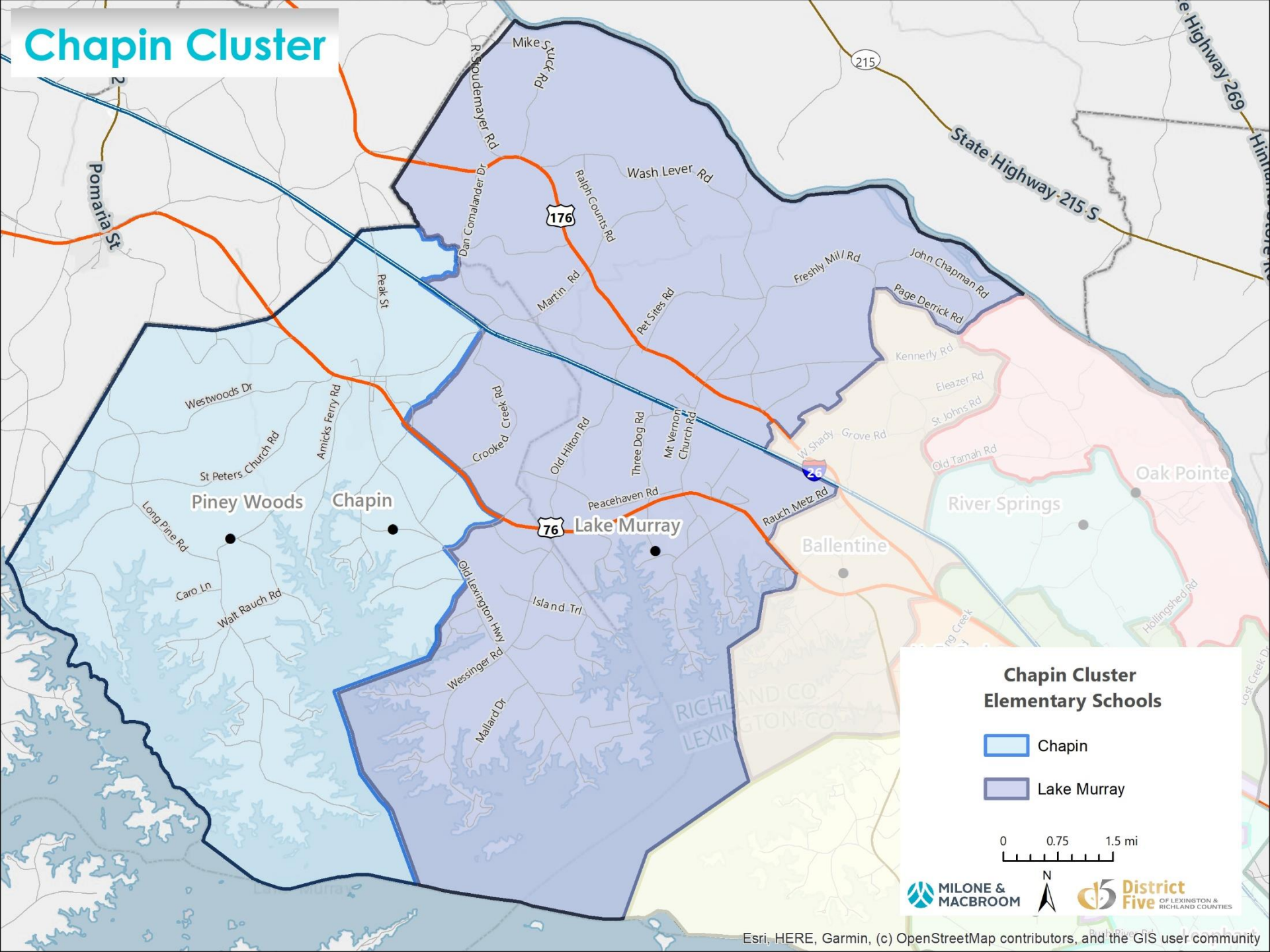
Today's Objectives

- Present initial findings
- Hear your thoughts, ideas, and priorities for Piney Woods next year:
  - Grade configuration
  - Approach to populating Piney Woods

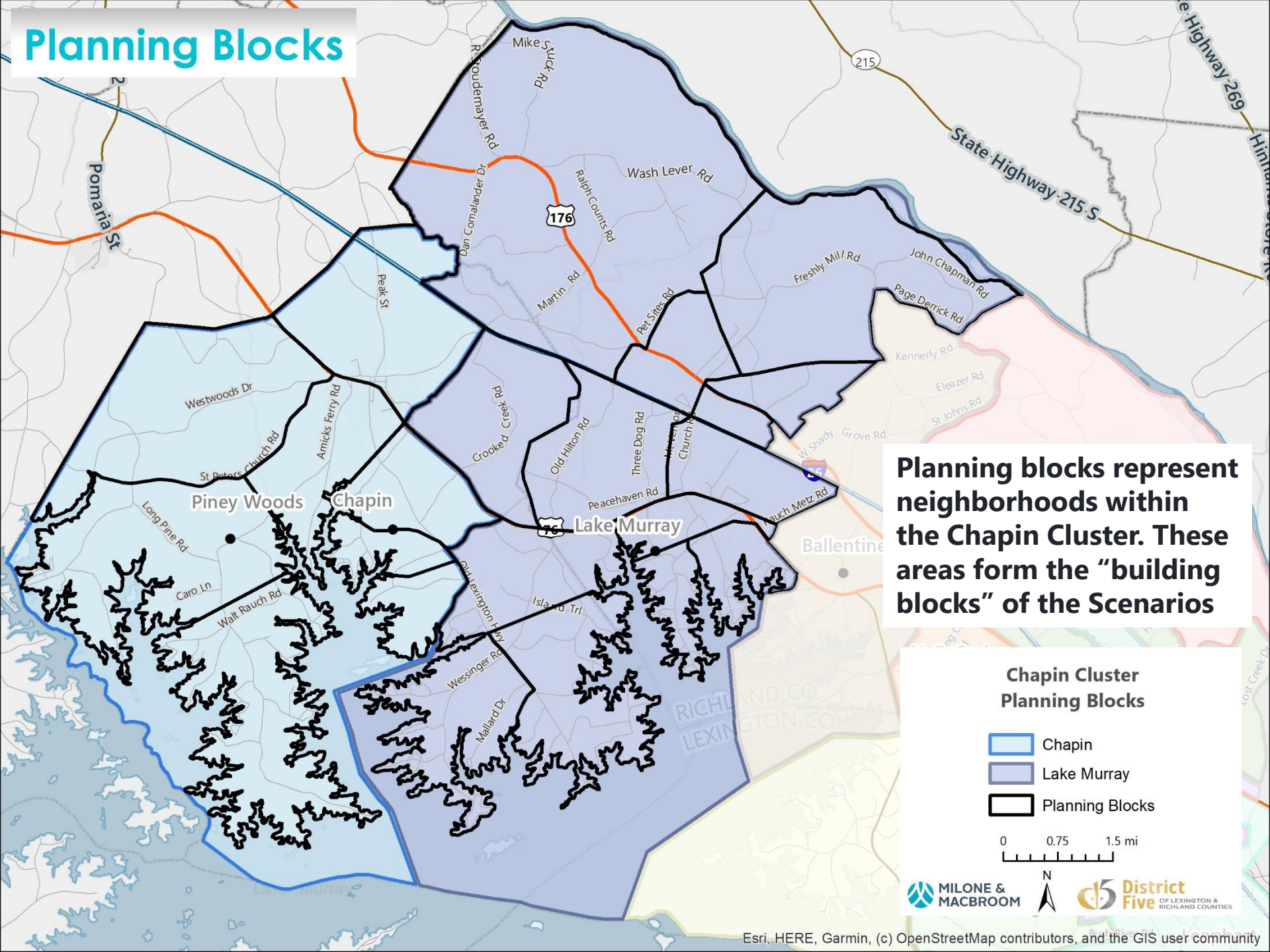
Elementary Zones



Chapin Cluster



Planning Blocks



Planning blocks represent neighborhoods within the Chapin Cluster. These areas form the "building blocks" of the Scenarios

Chapin Cluster Planning Blocks

- Chapin
- Lake Murray
- Planning Blocks

0 0.75 1.5 mi

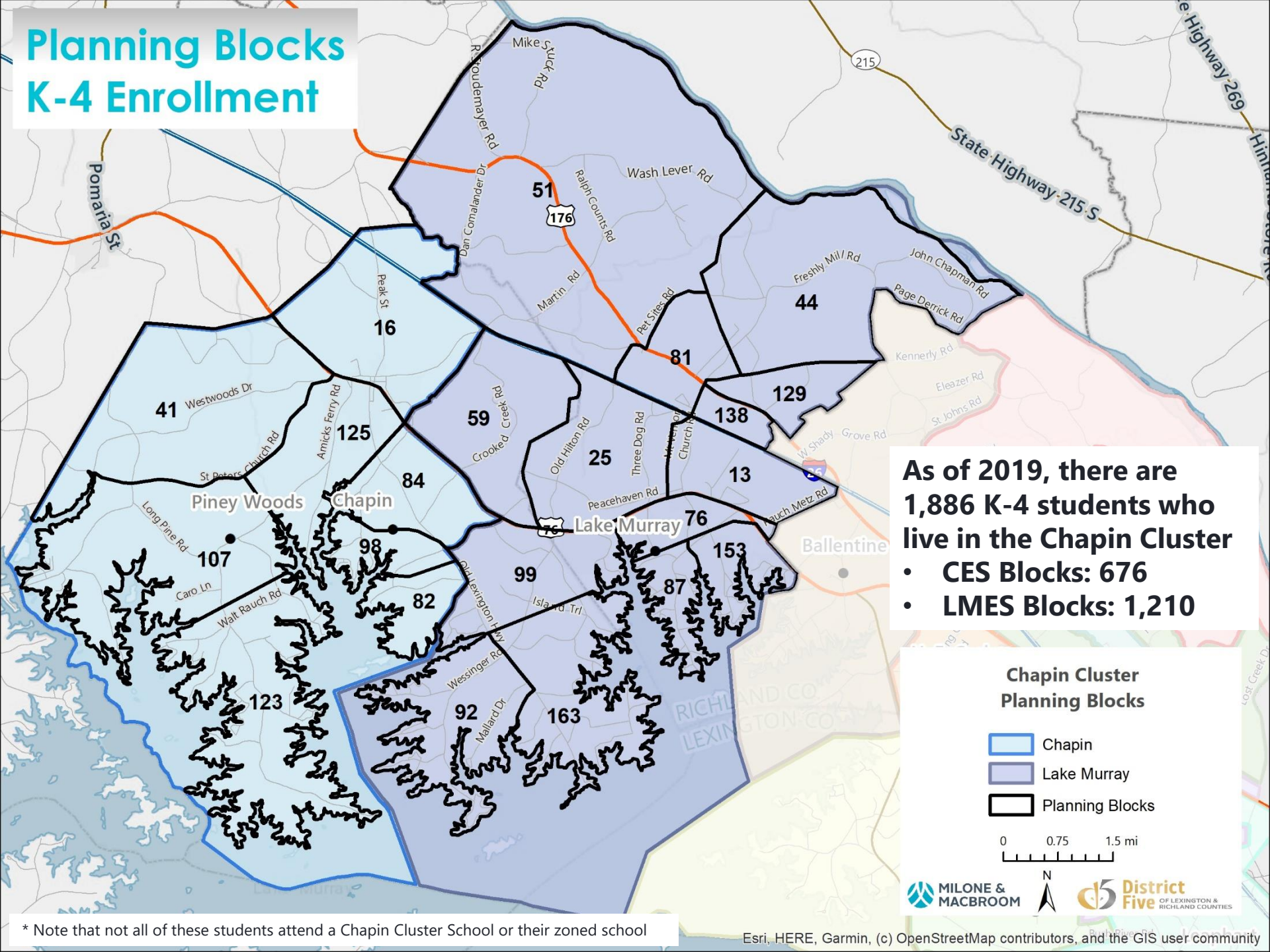
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Planning Blocks
K-4 Enrollment



As of 2019, there are 1,886 K-4 students who live in the Chapin Cluster

- **CES Blocks: 676**
- **LMES Blocks: 1,210**

Chapin Cluster Planning Blocks

- Chapin
- Lake Murray
- Planning Blocks

0 0.75 1.5 mi

N

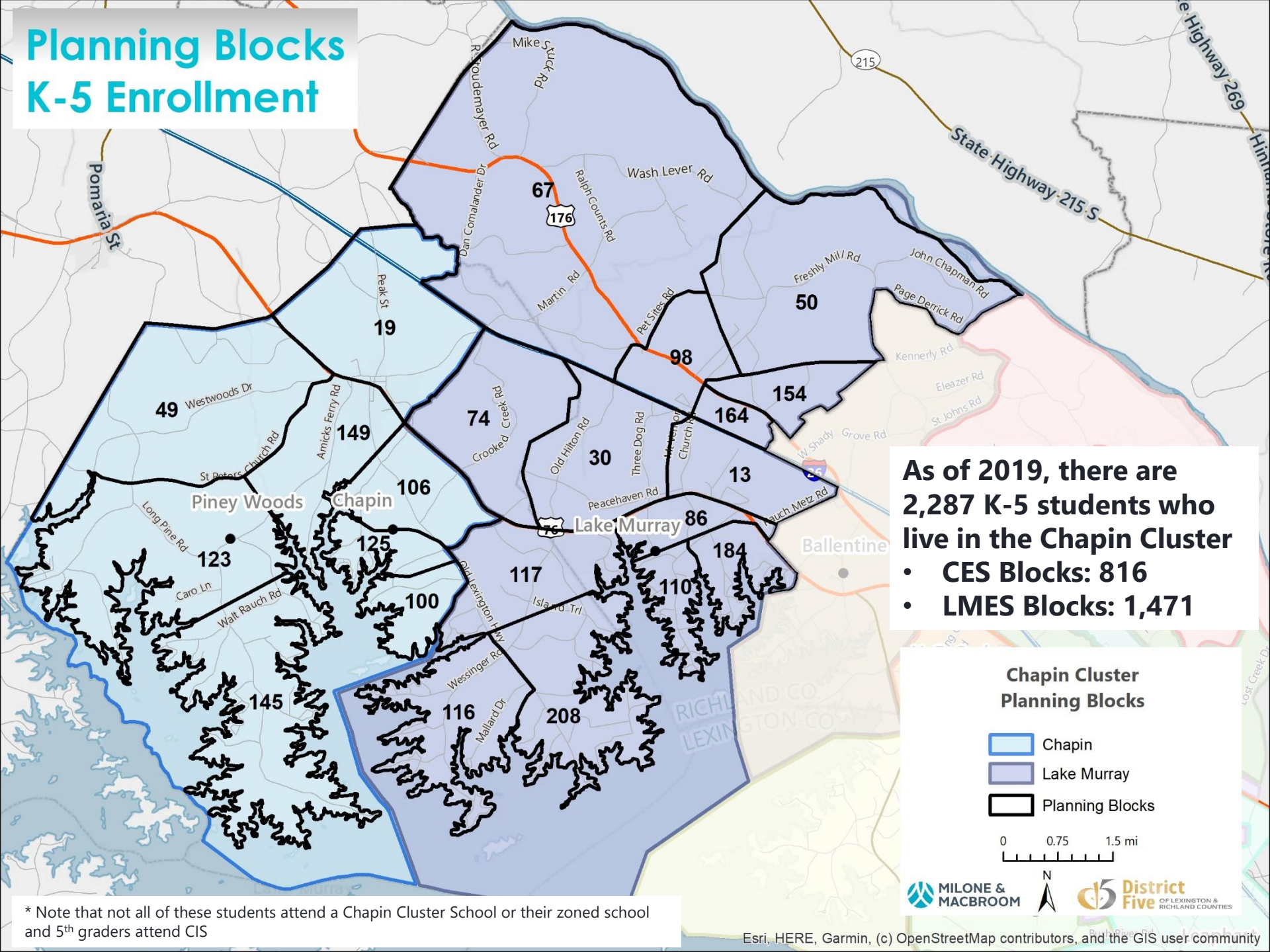
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* Note that not all of these students attend a Chapin Cluster School or their zoned school

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Planning Blocks
K-5 Enrollment



As of 2019, there are 2,287 K-5 students who live in the Chapin Cluster

- **CES Blocks: 816**
- **LMES Blocks: 1,471**

Chapin Cluster Planning Blocks

- Chapin
- Lake Murray
- Planning Blocks

0 0.75 1.5 mi

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* Note that not all of these students attend a Chapin Cluster School or their zoned school and 5th graders attend CIS

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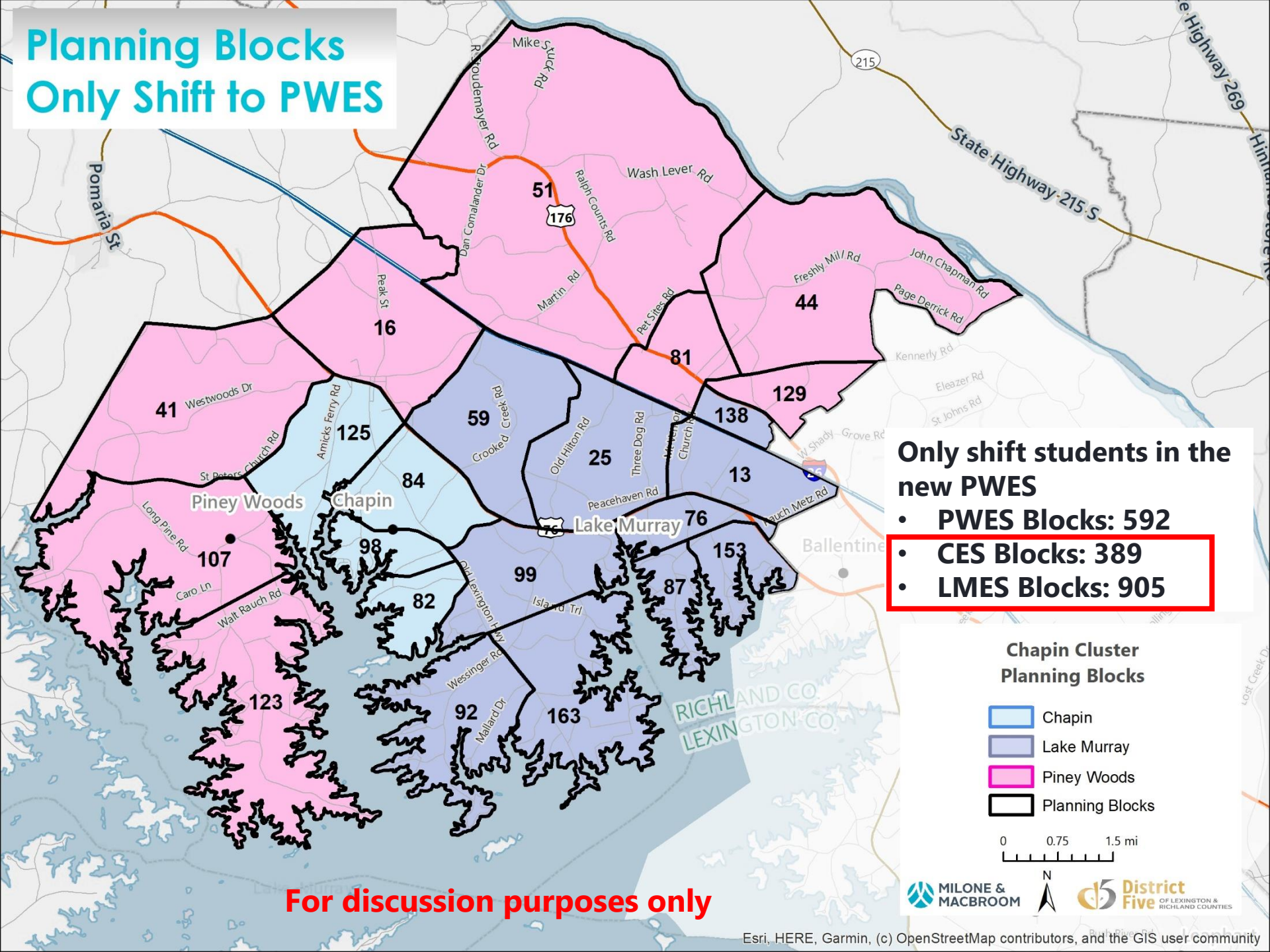
Initial Ideas

Three Initial Ideas for Discussion:

1. Only shift students into the new Piney Woods. Don't reassign any other students
2. Evenly split enrollment across the Chapin Cluster Elementary Schools
3. Add 5th Grade to Piney Woods

These ideas will be further developed based on Board of Trustees guidance

Planning Blocks Only Shift to PWES



Only shift students in the new PWES

- **PWES Blocks: 592**
- **CES Blocks: 389**
- **LMES Blocks: 905**

Chapin Cluster Planning Blocks

- Chapin
- Lake Murray
- Piney Woods
- Planning Blocks

0 0.75 1.5 mi

N

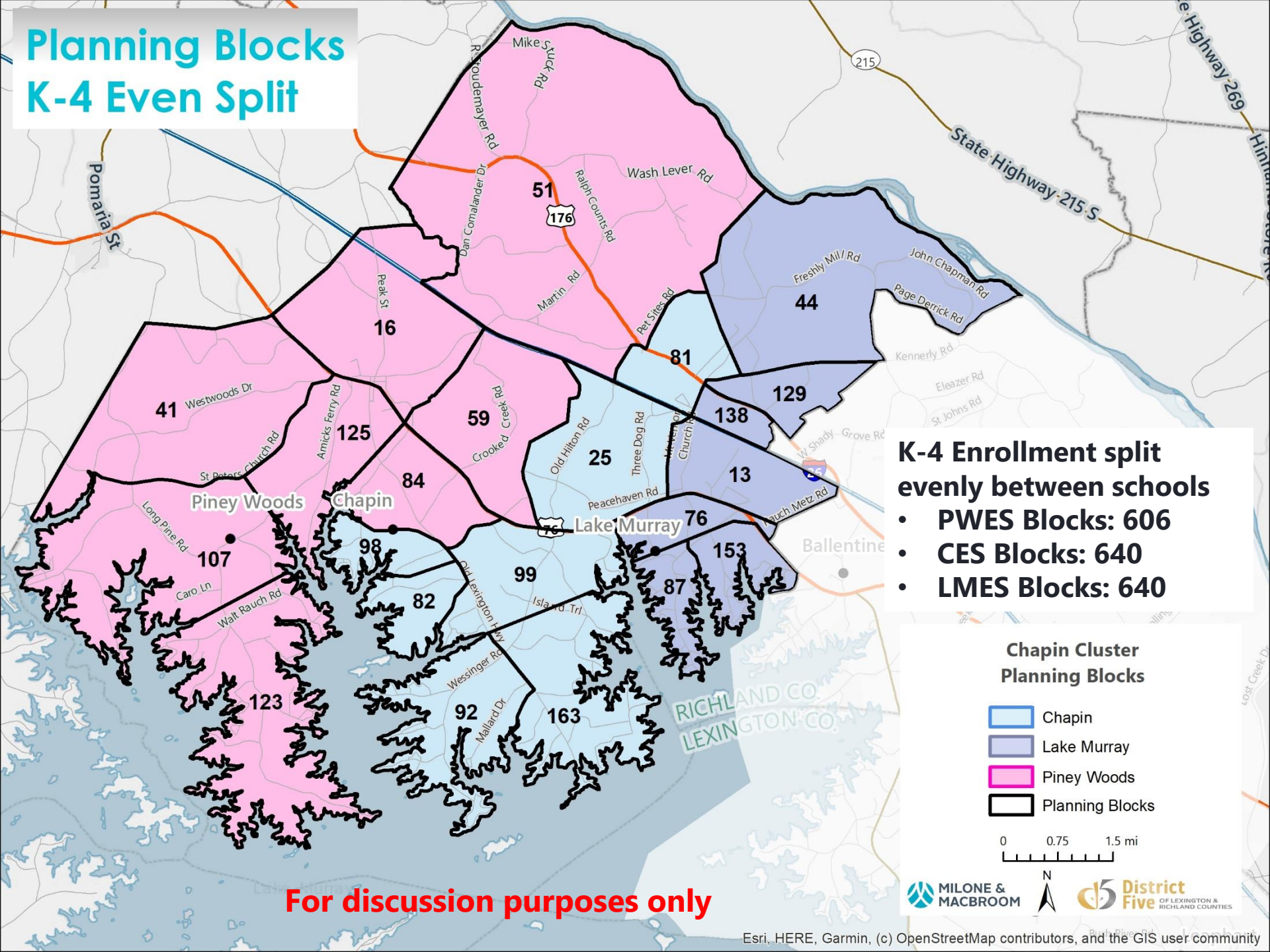
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Planning Blocks
K-4 Even Split



K-4 Enrollment split evenly between schools

- **PWES Blocks: 606**
- **CES Blocks: 640**
- **LMES Blocks: 640**

Chapin Cluster Planning Blocks

- Chapin
- Lake Murray
- Piney Woods
- Planning Blocks

0 0.75 1.5 mi

N

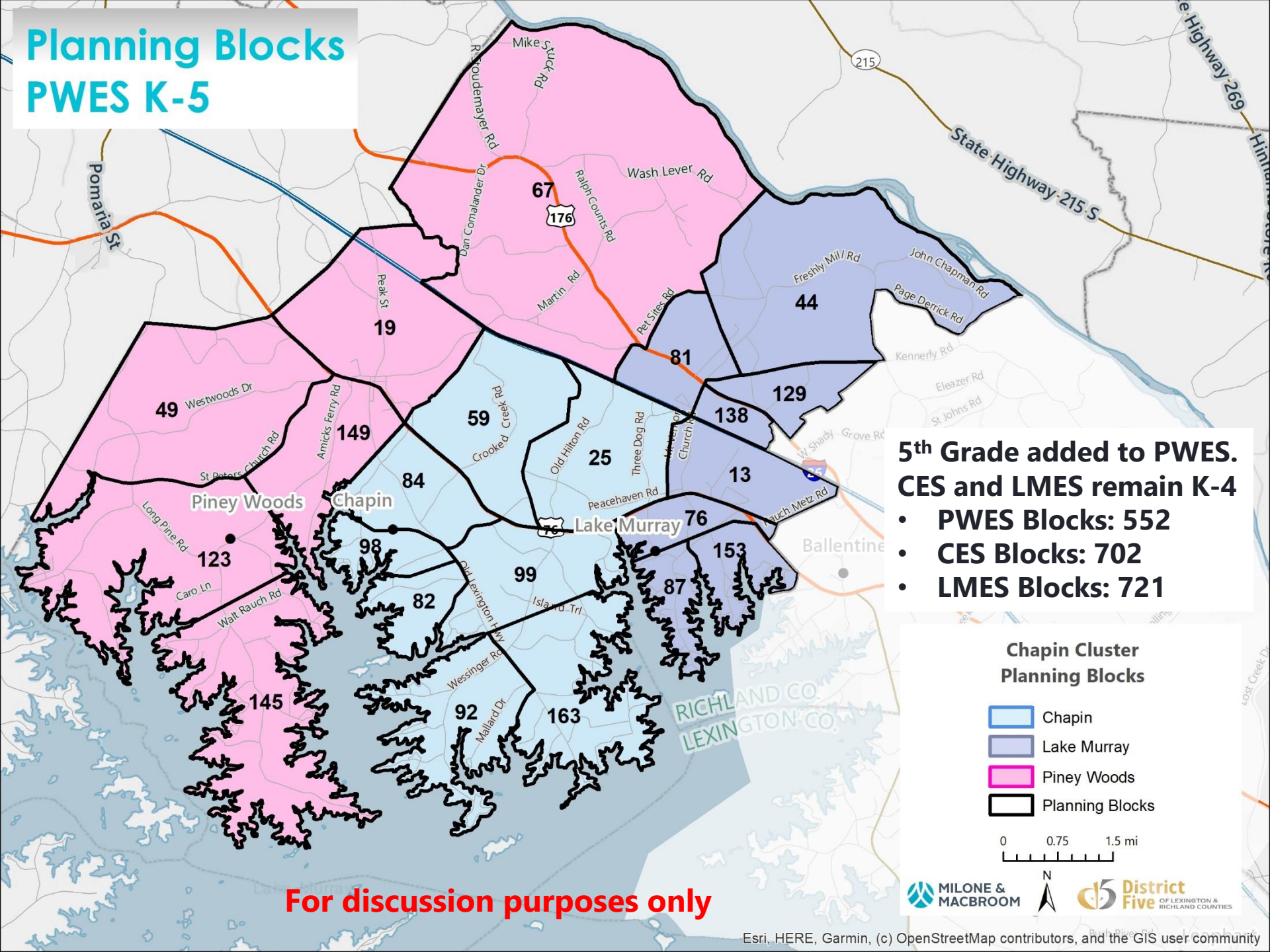
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Planning Blocks
PWES K-5



5th Grade added to PWES.
CES and LMES remain K-4

- **PWES Blocks: 552**
- **CES Blocks: 702**
- **LMES Blocks: 721**

Chapin Cluster Planning Blocks

- Chapin
- Lake Murray
- Piney Woods
- Planning Blocks

0 0.75 1.5 mi

N

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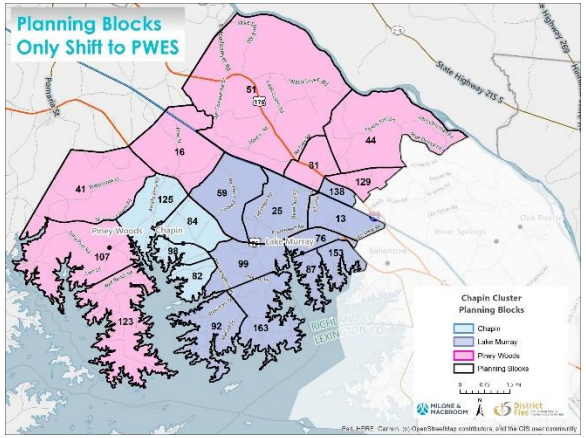
Initial Ideas: Findings

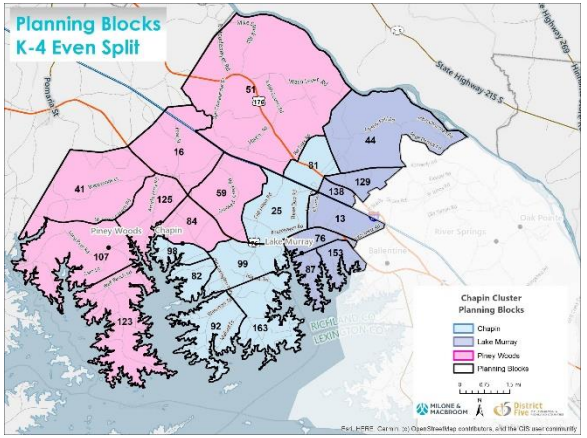
- Difficult to shift large number of students from LMES into PWES due to distance
  - **A "double shift" is recommended**
    - Shift CES blocks to PWES
    - Shift LMES blocks to CES
- Adding 5th Grade to PWES would result in a smaller attendance zone and less shifting and overall disruption
  - Will also help manage enrollment pressure at CIS

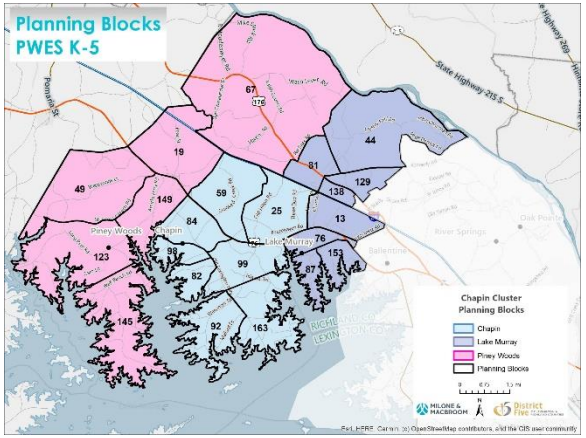
Discussion Items for This Evening

Board of Trustee input needed to help shape the two additional scenarios

- Grade configuration at Piney Woods
- Approach to populating Piney Woods







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