

-Public Information Session-

Fall 2020 Northeastern Elementary School Rezoning Study

September 10, 2019

CropperGIS



Welcome and Introductions



Who We Are

Cropper GIS Consulting, LLC

K-12 school planning is our business and our passion. Our specialty is school rezoning.

Cropper works with K-12 school districts to:

- develop rezoning plans,
- facilitate community engagement,
- research, map and write demographic studies,
- prepare long-range facility master plans,
- author site feasibility studies,
- conduct & publish housing impact and yield factor studies, and
- provide GIS implementation & training.

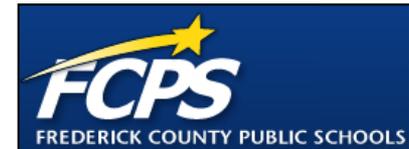
Who We Are

Cropper GIS is an ESRI Authorized Business Partner



Recent Projects:

- Frederick County Public Schools, VA
- Richmond Public Schools, VA
- Henrico County Public Schools, VA
- Alexandria City Public Schools, VA
- Union County Public Schools, NC
- Brunswick County Public Schools, NC
- Frederick County Public Schools, MD
- Baltimore County Public Schools, MD
- Alexandria City Public Schools, VA
- Meridian Public School District, MS
- Kershaw County School District, SC
- Calhoun County Public Schools, SC
- Akron Public Schools, OH



Matthew Cropper

- 20 years experience providing GIS mapping and analysis services to school districts and other clients.
- Manages and Facilitates K-12 rezoning and facility planning projects across the U.S.
- Expert consultant for U.S. Department of Justice, Civil Right's Division
- Published numerous papers about using GIS in master planning and educational planning.

Tonight's Purpose

1. **Learn** how the school rezoning process has been working.
2. **Review** Committee Elementary DRAFT
3. **Complete** online surveys related to the options to provide valuable input to the committee.

Why We're Here

1. Frederick County Public Schools (FCPS) are constructing a new Elementary School:
 - a) Jordan Springs Elementary School will have a 500-student capacity
 - b) Redbud Run Elementary and Stonewall Elementary Schools are both overcrowded
 - c) The expectation is that this rezoning will only impact elementary schools, with no impact on middle or high school boundary lines.
2. These factors necessitate a comprehensive look at attendance boundaries.
3. The implementation of these boundary changes are expected to take effect the Fall 2020 (2020-21) School Year.

1. To explore and develop elementary school rezoning options through a community-based process.
2. Focus on developing options that best meet the FCPS rezoning criteria.

Rules to Follow

The Frederick County Public Schools has a set of criteria to follow when evaluating elementary school rezoning options. These are rules to follow when considering any potential attendance zone adjustment.

The rezoning committee will be oriented on these criteria and will follow them as best as possible as they consider rezoning options.

- **Balance building utilization.**
 - Schools should be at similar percentages of capacity when the next elementary school is planned to be opened. Allow for increasing attendance in high growth areas. Keep future capital projects in mind.
 - Building utilization does not include the use of portable or semi-permanent spaces in the total building capacity.
 - Avoid additional rezonings before the next elementary school opens.
 - Economic, cultural, and ethnic diversity should be considered to ensure schools are inclusionary and not adversely affected by rezoning decisions.
 - Special needs populations should be evenly distributed across all schools in a manner consistent with sound educational practices.

- **Minimize impact on students.**
 - Minimize the number of students impacted by a boundary adjustment.
 - Students should be assigned to the school closest to their homes when possible.
 - Establish a clean feeder pattern system; reduce the number of schools at the next level any single school feeds. When splits are necessary, the attendance zone should be divided in a balanced manner, so that students continue to the next level with their peers. Eliminate existing splits and/or improve split balance.
 - Minimize the number of times any single child must be moved by rezonings.
- **Minimize impact on communities.**
 - Keep all students from each neighborhood/community together at the same school.
 - Minimize the division of clearly identifiable community components (i.e. villages, settled areas, etc.)

- **Maximize student transportation efficiency.**

- Account for school bus routes when determining a boundary adjustment.
- Minimize travel times and costs. Students should be assigned to the school closest to their homes when possible.



- Use major roads and natural boundaries when feasible to define attendance zones. Minimize the number of students crossing major intersections and other barriers to maximize their safety and security. Contain bus routes within natural boundaries to avoid traffic delays and late arrivals.
- Make all effort to establish contiguous attendance zones. Avoid creating satellite zones, which are not connected to the primary attendance zone. Attempt to eliminate existing satellite zones.

The district has formulated a 22-person committee to work on developing rezoning options.

Selection of the rezoning committee was based on many factors including:

- Objectivity
- 9 public volunteer committee members
 - Parents from Stonewall and Redbud Run Elementary Schools
- 9 voting staff members
 - Administrative staff such as teachers and principals, and those who work on school planning, student assignment, and transportation, and special programs.
- 4 support staff
 - Higher level staff, including the superintendent and assistant superintendent.

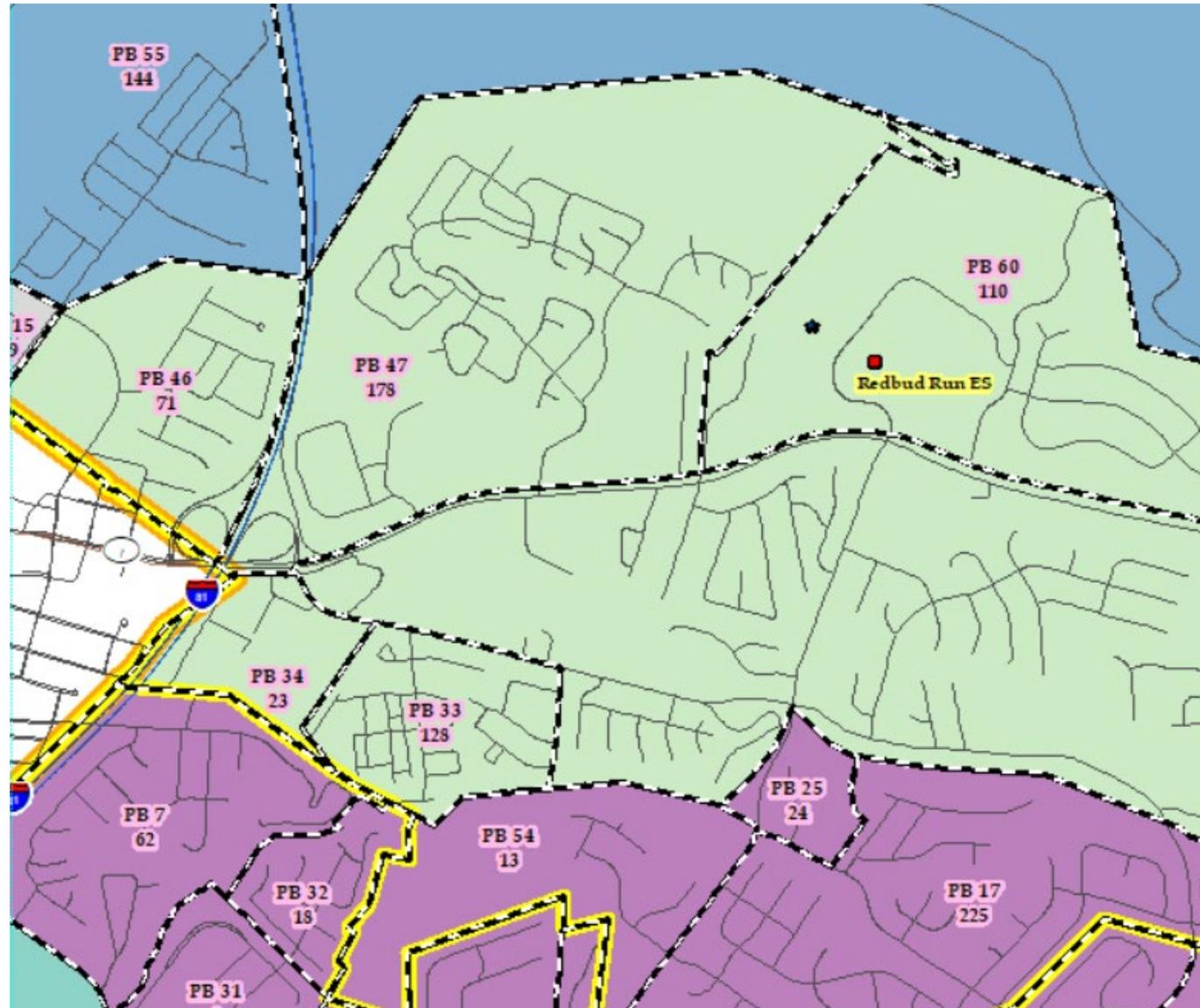
Review of Timeline

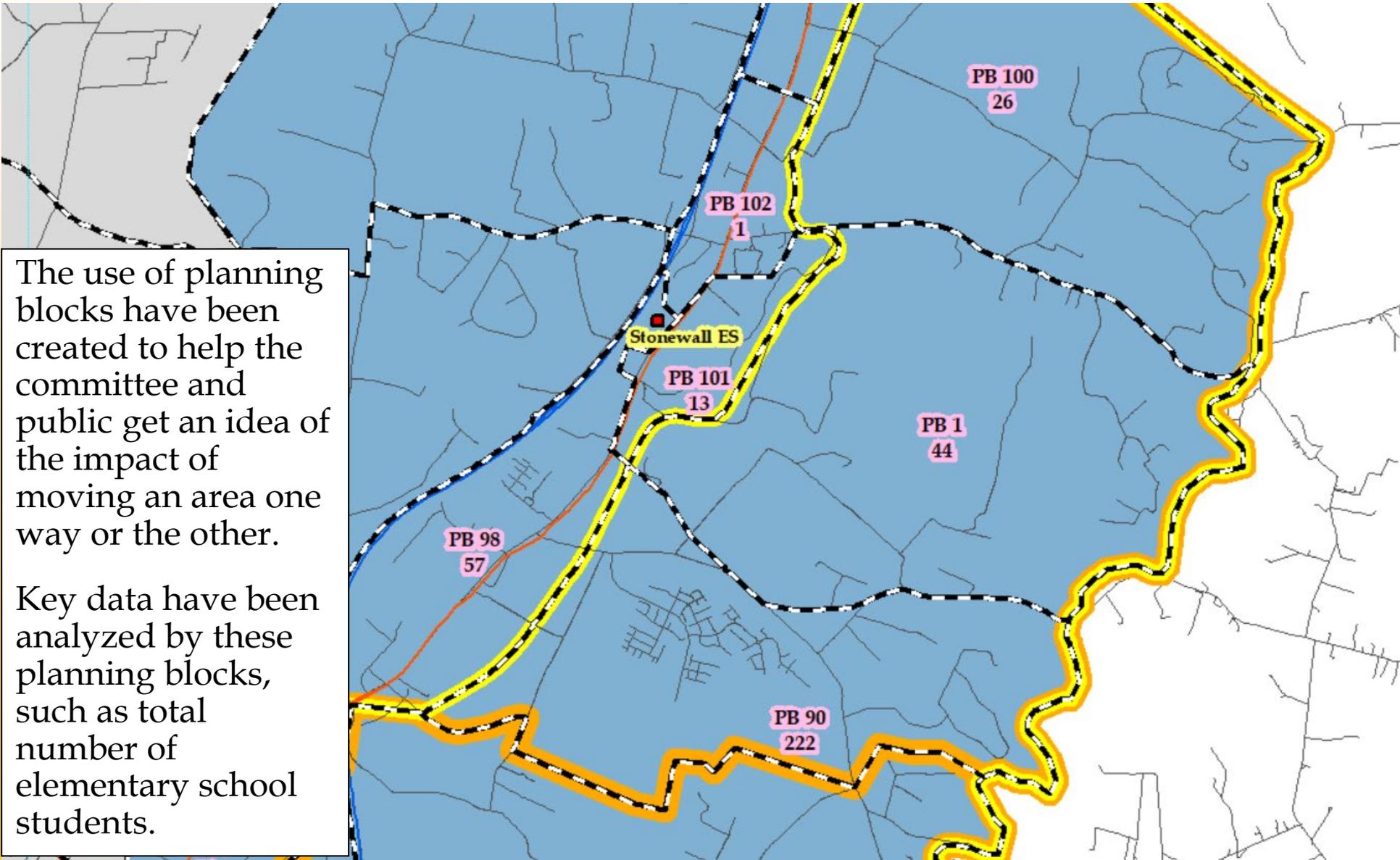
Process & Timeline for Northeastern Area Elementary Rezoning Study									
	March '19	April '19	May '19	June '19	July '19	Aug. '19	Sept. '19	Oct. '19	Nov. '19
<i>Data Collection</i>									
<i>Data Analysis / Assimilation</i>									
<i>Internal Logistics Planning with district</i>									
<i>Committee Application / Selection</i>									
<i>Background Report Development</i>									
<i>Baseline Options Development</i>									
<i>Public Information Session #1: Present Project Process, Criteria, Timeline, and Rezoning Objectives to Community. Information meeting to public, without public comments.</i>				6/12					
<i>Committee Meeting 1</i> <i>- Review Background Data, Introduce Baseline Options</i>				6/13					
<i>Committee Meeting 2</i> <i>- Discuss Background Data & Baseline Options, Q&A</i>					7/31				
<i>Committee Meeting 3</i> <i>- Options Development, Prepare for Public Information Session #2</i>						8/22			
<i>Public Information Session #2: Present Preliminary Rezoning Options to Community for Comment/Feedback</i>							9/10		
<i>Committee Meeting 4</i> <i>- Review public input, modify options</i>								10/8	
<i>Committee Meeting 5</i> <i>- Finalize Recommendations & Prepare for Board Presentation</i>								10/29	
<i>Presentation of Final Recommendations to the Board of Education</i>									11/6

We are here →

The use of planning blocks were created to help the committee and public obtain an understanding of the impact on moving an area one way or the other.

Key data have been analyzed by these planning blocks, such as total number of students living within each block.





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Online Map

- An online map has been developed to further inform the committee and public on the work of the committee.
- Current zones and the DRAFT option being considered can be viewed on the map.
- Other features can be turned on/off on the map, including planning blocks.
- Map is customizable, and can/will be updated during the process to show new options along with other information requested by the committee.
- Site can be viewed on any device, including mobile devices and tablets (with internet connection).
- Site address is:

www.croppermap.com/fcpsva

Work done to date

- The committee's work is a little over $\frac{1}{2}$ complete.
- Committee has met three times since June 2019 and has spent many hours between meetings reviewing information
- The committee has reviewed 6 variations of DRAFT options since the process started
 - Started with 2 DRAFT options; additional options generated each meeting based on committee and public feedback

Work done to date

- Data and information examined includes: school enrollment and capacity, demographics, feeder pattern data, student impacts, and feedback from members of the public.
- Options are considered DRAFT throughout the process; continued dialog and consideration of data is always encouraged

Members of the public have the opportunity to participate in the process in many ways:

- All materials shared with the committee will be made available on the Elementary School Rezoning Study webpage, located at www.fcpsvare zoning.com
- The rezoning web-page contains a feedback form that allows the public to provide any feedback regarding the process at any time. This information will be shared with the committee, and will be made public.
- The Public Input Session on September 10, 2019 is designed to share with the public the DRAFT options that are under consideration, and to solicit feedback on the options from you. At this meeting, we will be presenting the options and allowing you to review large maps and discuss your thoughts with the committee and/or consultants.



Interpreting Maps

- Background colors represent the Option, where bold green outlines show the current boundaries
- Planning Blocks: Small areas for examining student populations
 - Map titles and notes clarify what each map represents
 - Labels within planning blocks represent one of the following:
 - Planning block ID (PB #)
 - Number of K-5th students living within planning block



Interpreting the Tables

- Statistics that are pertinent to the study accompany the large maps
- The data shown are the data the committee uses to evaluate options

Tonight

- *Gallery Walk: Review Committee Elementary DRAFT and related data, talk to committee members*
- Committee members, FCPS staff, and consultants will be around the maps to discuss any thoughts the public may have
- Although discussions around the maps are very important, please submit your feedback via the online survey for the entire committee's benefit

Next Steps:

- Committee will review additional public feedback from online surveys and emails
- Adjustments could be made to DRAFT options, if suggestions help to better adhere to the objectives and criteria
- Committee has 2 more meetings scheduled after this Public Info Session
 - Next committee meeting is October 8th.
 - The following committee meeting is October 29th
 - Committee is expected to finalize recommendations at this meeting, which will then be presented to the School Board on November 6th.



Questions?

Committee Elementary DRAFT

Elementary School	Option Capacity	Option Capacity	Total Enrolled	Committee Elementary Draft Estimated Enrollment ¹
Jordan Springs ES		500		410
Redbud Run ES	670	670	748	612
Stonewall ES	514	514	673	437
Total	1184	1684	1421	1459

Student counts are based on the 3/15/2019 FCPS student database.

¹ Estimated enrollment is calculated by adding the 2018-19 Unmatched students to their currently enrolled school plus the K-5th grade live-in totals within each option.

Elementary School	Option Capacity	Option Capacity	Enrolled Utilization	Committee Elementary Draft Utilization
Jordan Springs ES		500		82%
Redbud Run ES	670	670	112%	91%
Stonewall ES	514	514	131%	85%
Total	1184	1684	120%	87%

Student counts are based on the 3/15/2019 FCPS student database.

¹ Estimated enrollment is calculated by adding the 2018-19 Unmatched students to their currently enrolled school plus the K-5th grade live-in totals within each option.

Committee Elementary DRAFT

Elementary School	Enrolled		Committee Elementary Draft	
	Free or Reduced Meals %	Non-Free or Reduced Meals %	Free or Reduced Meals %	Non-Free or Reduced Meals %
Jordan Springs ES			50.7%	49.3%
Redbud Run ES	55.9%	44.1%	45.3%	54.7%
Stonewall ES	48.9%	51.1%	61.3%	38.7%
Total	52.6%	47.4%	51.6%	48.4%

Student counts are based on the 3/15/2019 FCPS student database.

¹ Estimated enrollment is calculated by adding the 2018-19 Unmatched students to their currently enrolled school plus the K-5th grade live-in totals within each

Committee Elementary DRAFT

Elementary School	Enrolled							
	Percent Black	Percent White	Percent American Indian/ Alaskan Native	Percent Asian	Percent Native Hawaiian/ Pacific Islander	Percent Two Or More Races	Percent Non-Hispanic	Percent Hispanic
Redbud Run ES	6.8%	81.7%	0.9%	1.9%	0.0%	8.7%	63.6%	36.4%
Stonewall ES	3.6%	91.7%	0.1%	2.1%	0.1%	2.4%	75.0%	25.0%
Total	5.3%	86.4%	0.6%	2.0%	0.1%	5.7%	69.0%	31.0%

Student counts are based on the 3/15/2019 FCPS student database.

¹ Estimated enrollment is calculated by adding the 2018-19 Unmatched students to their currently enrolled school plus the K-5th grade live-in totals within each option.

Elementary School	Committee Elementary Draft							
	Percent Black	Percent White	Percent American Indian/ Alaskan Native	Percent Asian	Percent Native Hawaiian/ Pacific Islander	Percent Two Or More Races	Percent Non-Hispanic	Percent Hispanic
Jordan Springs ES	5.9%	86.6%	0.2%	2.9%	0.2%	4.1%	67.3%	32.7%
Redbud Run ES	7.2%	79.2%	1.0%	2.5%	0.0%	10.1%	74.8%	25.2%
Stonewall ES	2.1%	96.1%	0.2%	0.5%	0.0%	1.1%	67.0%	33.0%
Total	5.3%	86.4%	0.5%	2.0%	0.1%	5.8%	70.4%	29.6%

Student counts are based on the 3/15/2019 FCPS student database.

¹ Estimated enrollment is calculated by adding the 2018-19 Unmatched students to their currently enrolled school plus the K-5th grade live-in totals within each option.

Committee Elementary DRAFT

2019-20 ES Zone	2019-20 MS Zone	Total K-5th Live-In	ES Attendance
Redbud Run ES	James Wood MS	750	100%
Stonewall ES	Frederick County MS	208	30%
Stonewall ES	James Wood MS	487	70%

Committee Elementary Draft Zone	2019-20 MS Zone	Total K-5th Live-In	ES Attendance
Jordan Springs ES	James Wood MS	410	100%
Redbud Run ES	James Wood MS	607	100%
Stonewall ES	Frederick County MS	208	49%
Stonewall ES	James Wood MS	220	51%

Committee Elementary DRAFT

Option	Total K-5th Live-In Students Impacted
Option Blue	445

ES Zone 2019-20	Committee Elementary Draft Zone	Total K-5th Live and Attend In Students
Redbud Run ES	Jordan Springs ES	178
Redbud Run ES	Redbud Run ES	572
Stonewall ES	Jordan Springs ES	232
Stonewall ES	Redbud Run ES	35
Stonewall ES	Stonewall ES	428



Further Questions/Comments?

- All materials shared with the committee are made available on the Frederick County Public Schools rezoning study webpage.
- In addition to the survey for the Public Information Session, please provide any other comments on the general feedback form. General feedback form and other materials can also be found at www.fcpsvare zoning.com