

Analysis of Walk Zones

1. In Spring 2018, APS led a community engagement process to reevaluate walk zones around each school. Details on this work is available at www.apsva.us/engage/elementary-school-boundary-change/walkzonereview/

For the walk zone analysis, the information below was applied to each Planning Unit (PU), regardless of where the student attended school on September 30, 2019. For example:

- A student living in PU 12010 cannot walk to any neighborhood school and so is deemed to be “bus eligible”.
- A student living in PU 12030 can walk to Barrett and so is deemed a “walker” to Barrett if the student attends Barrett.

Planning Unit	Within School Walk Zone
12010	Not in a walk zone
12020	Not in a walk zone
12030	Barrett
12031	Barrett
12040	Barrett
12050	Barrett
12060	Barrett
12061	Barrett
12062	Barrett
12063	Barrett
12070	Barrett
12080	Barrett
12081	Barrett
13010	Not in a walk zone
13030	Ashlawn
13031	Ashlawn
13040	Ashlawn
13041	Ashlawn
13050	Not in a walk zone
13060	Not in a walk zone
13061	Not in a walk zone
13062	Not in a walk zone
13070	Not in a walk zone
13080	Not in a walk zone
13081	Not in a walk zone
13090	Not in a walk zone

Planning Unit	Within School Walk Zone
14010	McKinley
14020	McKinley
14030	McKinley
14040	Reed
14041	Reed
14042	Reed
14050	Reed
14051	Reed
14060	Reed
14061	Not in a walk zone
14070	Not in a walk zone
14080	Not in a walk zone
14090	Not in a walk zone
14100	Ashlawn
14101	ATS
14110	ATS
15010	Not in a walk zone
15020	Not in a walk zone
15030	Glebe
15040	Glebe
15041	Glebe
15050	Glebe
15060	Glebe
15061	Glebe
15070	Glebe
15071	Glebe
15072	Glebe
15080	Not in a walk zone
15090	Glebe
15091	Glebe
15100	Glebe
15101	Glebe
15110	Glebe
15120	Glebe
15121	Glebe
15130	Not in a walk zone
15910	Not in a walk zone
16010	Tuckahoe
16011	Tuckahoe
16020	Tuckahoe

Planning Unit	Within School Walk Zone
16021	Tuckahoe
16022	Nottingham
16030	Nottingham
16031	Nottingham
16040	Not in a walk zone
16050	Not in a walk zone
16060	Reed
16061	Reed
16070	Not in a walk zone
16080	Reed
16081	Reed
16090	Not in a walk zone
16100	Not in a walk zone
16101	Not in a walk zone
16110	Not in a walk zone
16120	Not in a walk zone
16121	Not in a walk zone
16130	Not in a walk zone
16140	Not in a walk zone
16910	Tuckahoe
17010	Discovery
17020	Nottingham
17021	Nottingham
17022	Nottingham
17023	Nottingham
17030	Nottingham
17031	Nottingham
17032	Nottingham
17033	Nottingham
17034	Nottingham
17040	Not in a walk zone
17050	Not in a walk zone
17060	Not in a walk zone
17070	Not in a walk zone
17080	Not in a walk zone
17081	Not in a walk zone
17910	Nottingham
17920	Discovery
22010	Not in a walk zone
22020	Not in a walk zone

Planning Unit	Within School Walk Zone
22030	Not in a walk zone
22040	Not in a walk zone
22041	Not in a walk zone
22050	Jamestown
22060	Jamestown
22061	Jamestown
22062	Not in a walk zone
22070	Not in a walk zone
22080	Not in a walk zone
22081	Not in a walk zone
22084	Not in a walk zone
22085	Not in a walk zone
22090	Discovery
22100	Discovery
22101	Discovery
22102	Not in a walk zone
22110	Not in a walk zone
22120	Not in a walk zone
23010	Not in a walk zone
23020	Not in a walk zone
23030	Not in a walk zone
23031	Not in a walk zone
23040	Taylor
23050	Taylor
23060	Taylor
23070	Taylor
23080	Not in a walk zone
23090	Not in a walk zone
23100	Not in a walk zone
23110	Not in a walk zone
23111	Not in a walk zone
23120	Not in a walk zone
23130	Not in a walk zone
23140	Not in a walk zone
23141	Not in a walk zone
23150	Not in a walk zone
23151	Not in a walk zone
23160	Not in a walk zone
23170	ASFS
23180	Key

Planning Unit	Within School Walk Zone
23190	ASFS
23200	Key
23210	Key
23211	Key
23220	Not in a walk zone
23230	Not in a walk zone
23231	Not in a walk zone
23240	Not in a walk zone
23910	Not in a walk zone
23920	Not in a walk zone
24010	Not in a walk zone
24011	Not in a walk zone
24020	Not in a walk zone
24030	Key
24031	Key
24032	Key
24033	Key
24040	Not in a walk zone
24041	Not in a walk zone
24042	Key
24043	Key
24050	Not in a walk zone
24051	Not in a walk zone
24060	Not in a walk zone
24070	Not in a walk zone
24071	Not in a walk zone
24080	Not in a walk zone
24081	Not in a walk zone
24082	Not in a walk zone
24090	Key
24100	Not in a walk zone
24110	Not in a walk zone
24111	Not in a walk zone
24120	Not in a walk zone
24130	Not in a walk zone
24140	Not in a walk zone
35010	Carlin Springs
35020	Carlin Springs
35040	Carlin Springs
35050	Campbell

Planning Unit	Within School Walk Zone
35060	Campbell
35070	Campbell
35071	Campbell
35072	Not in a walk zone
35080	Campbell
35081	Not in a walk zone
35082	Campbell
35083	Campbell
35090	Not in a walk zone
35100	Not in a walk zone
36010	Not in a walk zone
36020	Not in a walk zone
36021	Not in a walk zone
36030	Not in a walk zone
36040	Claremont
36050	Claremont
36051	Claremont
36060	Claremont
36061	Claremont
36070	Abingdon
36080	Abingdon
36081	Abingdon
36091	Abingdon
36100	Drew
36101	Drew
36102	Drew
36103	Drew
36104	Drew
36110	Abingdon
36111	Abingdon
36112	Abingdon
36130	Not in a walk zone
37010	Not in a walk zone
37020	Barcroft
37030	Barcroft
37031	Barcroft
37032	Barcroft
37033	Barcroft
37034	Barcroft
37035	Barcroft

Planning Unit	Within School Walk Zone
37040	Not in a walk zone
37041	Not in a walk zone
37042	Not in a walk zone
37050	Not in a walk zone
37051	Not in a walk zone
37060	Not in a walk zone
37070	Not in a walk zone
37071	Not in a walk zone
37080	Not in a walk zone
37090	Not in a walk zone
37100	Not in a walk zone
37101	Not in a walk zone
37102	Not in a walk zone
38010	Randolph
38011	Randolph
38020	Randolph
38030	Randolph
38031	Randolph
38040	Randolph
38050	Not in a walk zone
38060	Randolph
38070	Randolph
38080	Randolph
38090	Randolph
38100	Not in a walk zone
38110	Randolph
46010	Not in a walk zone
46011	Not in a walk zone
46020	A. Fleet
46021	A. Fleet
46022	A. Fleet
46030	Not in a walk zone
46031	Not in a walk zone
46032	Not in a walk zone
46033	Not in a walk zone
46040	Long Branch
46050	Not in a walk zone
46051	Not in a walk zone
46060	Long Branch
46062	Not in a walk zone

Planning Unit	Within School Walk Zone
46063	Not in a walk zone
46070	Not in a walk zone
46090	Not in a walk zone
46091	Not in a walk zone
46092	Not in a walk zone
46093	Not in a walk zone
46100	A. Fleet
46101	A. Fleet
46102	A. Fleet
46110	Not in a walk zone
46111	Not in a walk zone
46120	Not in a walk zone
46130	Not in a walk zone
46131	Not in a walk zone
46132	Not in a walk zone
46133	Not in a walk zone
46140	Not in a walk zone
46900	A. Fleet
46910	Not in a walk zone
46920	A. Fleet
46950	Long Branch
48010	Oakridge
48030	Oakridge
48040	Oakridge
48041	Oakridge
48050	Oakridge
48060	Not in a walk zone
48070	Not in a walk zone
48080	Oakridge
48090	Not in a walk zone
48100	Not in a walk zone
48110	Not in a walk zone
48120	Not in a walk zone
48121	Not in a walk zone
48130	Not in a walk zone
48140	Not in a walk zone
48150	Hoffman-Boston
48160	Not in a walk zone
48170	Drew
48171	Drew

Planning Unit	Within School Walk Zone
48172	Drew
48173	Drew
48174	Drew
48180	Not in a walk zone
48190	Oakridge
48191	Oakridge
48192	Not in a walk zone
48200	Oakridge
48210	Not in a walk zone
48211	Not in a walk zone
48220	Not in a walk zone
48240	Oakridge
48241	Not in a walk zone
48250	Not in a walk zone
48260	Not in a walk zone
48270	Not in a walk zone
48280	Not in a walk zone
48281	Hoffman-Boston
48290	Hoffman-Boston
48910	Oakridge
48920	Oakridge
48921	Oakridge
48960	Not in a walk zone
49260	Not in a walk zone

2. This information was applied to the planning unit in the Sept. 30, 2019 Enrollment for all 13,264 students in grades Kindergarten through grade 5. The September 30, 2019 membership report can be viewed at:

www.apsva.us/wp-content/uploads/2019/10/2_Sept-30-Membership-2019-20_U-MEM_281.pdf

3. Among the K-5 enrollment
 - ☐ 6,866 students (or 52%) live in the walk zone for one of the neighborhood elementary schools, though students may attend a different school.
 - ☐ 4,395 students or 75% of the students who live in the walk zone for the neighborhood elementary school they attend.

4. Walk Zone Calculation

For this estimate, the data was limited to the number of elementary students who reside in a planning unit within a school walk zone, even if they attend a different school.

It assumes in each proposal that

- ☐ option school students continue with their option school, and

- ② neighborhood students would continue to attend a neighborhood school, but may move to a different neighborhood school based on the proposal.
- ② each proposal compared the potential number of students in the walk zones.
- ② results are shown for 2019-20 enrollment and for the representative boundary scenario and the two proposals.

Resides in a School Walk Zone, regardless of the school the student attends	Sept. 30, 2019 Enrollment			Change with Scenario:					
	2019-20			Representative Boundary Scenario		School Moves, Proposal 1		School Moves, Proposal 2	
	Total	Bus Eligible	Walker	Bus Eligible	Walker	Bus Eligible	Walker	Bus Eligible	Walker
Total	6886	1694	5192	1988	4898	1233	5653	864	6022
A. Fleet	480		480		480		480		480
Abingdon	327		327		327		327		327
ASFS	118	118			118		118		118
Ashlawn	260	28	232	159	101		260		260
ATS	43	43		43		43		43	
Barcroft	318		318	119	199		318		318
Barrett	506		506		506		506		506
Campbell	440	440		440		440			440
Carlin Springs	67		67	27	40		67	67	
Claremont	195	195		195		195		195	
Discovery	209		209	78	131		209		209
Drew	329		329		329		329	14	315
Glebe	543		543	212	331	63	480		543
Hoffman-Boston	158		158		158		158		158
Jamestown	95		95	39	56		95		95
Key	267	267		267		105	162	123	144
Long Branch	141		141		141		141		141
McKinley	243		243		243	243		243	
Nottingham	475	104	371	202	273	104	371	104	371
Oakridge	422		422		422		422		422
Randolph	518	22	496	22	496	22	496	22	496
Reed	424	424		67	357		424		424
Taylor	173		173	118	55		173		173
Tuckahoe	135	53	82		135	18	117	53	82

5. Summary of walk zone data

	2019-20	Representative Boundary Scenario	School Moves, Proposal 1	School Moves, Proposal 2
9/30/19 K-5 Students Who Live in a Walk Zone	6886	6886	6886	6886
No. of Walkers	5192	4898	5653	6022
% of Walkers	75%	71%	82%	87%
No. Requiring a Bus	1694	1988	1233	864
% Requiring a Bus	25%	29%	18%	13%
Change in no. of Walkers 2019-20 minus Proposal		-294	461	830

Representative Boundary scenario based on analysis of students who live in a Walk Zone compared to 2019-20

- ☐ The overall number of students who are walkers will decrease by about 300 students above the 2019-20 level to almost 4,900 (about 300 more students will be bus eligible)
- ☐ Approximately 600 students who live around ASFS, Reed and Tuckahoe will be walkers to those schools
- ☐ More than 800 current walkers who live in around Ashlawn, Barcroft, Discovery, Glebe, Jamestown, Nottingham and Taylor will become eligible for a bus to a different school, outside their walk zone.

School Moves Proposal 1 based on analysis of students who live in a Walk Zone compared to 2019-20

- ☐ The overall number of students who are walkers will increase by about 450 students above the 2019-20 level to 5600+
- ☐ The number of walkers will increase, most notably for students who currently ride a bus to ASFS who can walk to neighborhood elementary school at Key
- ☐ Some students who are in a Walk Zones will become bus riders, including students who live in the walk zone around McKinley

School Moves Proposal 2 based on students who live in a Walk Zone compared to 2019-20

- ☐ The overall number of students who are walkers will increase by more than 800 students above the 2019-20 level to 6000+
- ☐ In addition to the changes in proposal 1, more than 400 students from Carlin Springs can walk to a neighborhood elementary schools at Campbell