Pender County

Agenda

Board of County Commissioners Meeting
Monday, November 15, 2021 @ 4:00 PM
Pender County Public Assembly Room
805 S. Walker Street, Burgaw, NC

			Presenter	Page
1.	CALL TO ORDER			
2.	INVOCATION			
3.	PLEDGE OF ALLEGIANCE			
4.	ADOPTION OF AGENDA			
5.	PUBLIC HEARING			
6.	PUBLIC INFORMATION			
	6.1.	Presentation of the preliminary demographic study for Pender County Schools Pender County Schools Demographic and Statistics Study - Pdf PCS NC Options Statistics 210804	Dr. McKibben and Mr. Cropper	5 - 111
	6.2.	Presentation of the 2020 -20201 Department of Social Services Annual Report 2020 Annual Report - Pdf		113 - 115
7.	PUBLIC COMMENT			
8.	CONSENT AGENDA			
	8.1.	Approval of a Purchase Order to LabCorp of America Holdings in the amount of $150,000 LabCorp Purchase Order - Pdf	Moser	117
	8.2.	Approval to increase Purchase Order for North Carolina Department of Public Safety in the amount of $45,000.00. Increase Purchase Order for NCDPS - Pdf	Cutler	119 - 123
	8.3.	Approval of Agreement with Skip Green & Associates for EDA Grant Administration and associated Purchase Order Agreement SkipGreenAssoc EDAGrant - Pdf	Keel	125 - 137
	8.4.	Approval of the Board of Commissioner Meeting Minutes November 1, 2021 BOCC Meeting Minutes November 1, 2021 - Pdf		139 - 146
9.	APPROVALS AND RESOLUTIONS			
	9.1.	Pender County Digital Inclusion Plan Pender County Digital Inclusion Plan - Pdf	McEwen	147 - 174
	9.2.	Approval of a Purchase Order to Capital Ford of Wilmington for $87,262.62 for the purchase of one 2022 Ford F150 truck with extended cab, one 2022 Ford Explorer, and one 2022 Ford Escape.	Colon	175 - 188

		Approval of a Purchase Order to Capital Ford of Wilmington for $87,262.62 for the purchase of one 2022 Ford F150 truck with extended cab, one 2022 Ford Explorer, and one 2022 Ford Escape. - Pdf		
	9.3.	Approval of a Purchase Order to Fairway Ford of Burgaw for $33,629.15 for the purchase of one 2022 Ford F150 Crew Cab truck. Approval of a Purchase Order to Fairway Ford of Burgaw for $33,629.15 for the purchase of one 2022 Ford F150 Crew Cab truck. - Pdf	Colon	189 - 194
	9.4.	Approve Purchase Order for Resurfacing of Water Plant Clearwells POforResurfacingWTPClearwells - Pdf	Keel	195 - 205
	9.5.	Approval of Contract Change Order for Construction of Factory Road Water Main Extension Design-Build Project, Budget Ordinance Amendment, and Associated Purchase Order FactoryRdWater_ChangeOrderBOA&PO - Pdf	Keel	207 - 215
	9.6.	Approval of the 2021 EOP (Emergency Operation Plan) Emergency Operation Plan - Pdf	Batson	217 - 246
	9.7.	Approval of Purchase Order to Fairway Ford for the purchase of 2022 Ford F150 truck for Animal Control Division in the amount of $30,960.00. Fairway Ford 2022 Ford F150 Animal Control Division truck - Pdf	Cutler	247 - 248
10.		DISCUSSION		
11.		APPOINTMENTS		
	11.1.	Approval of Reappointment to the Pender County Jury Commission Reappointment to the Pender County Jury Commission - Pdf	Cline	249 - 252
12.		MAPLE HILL WATER AND SEWER DISTRICT		
13.		ROCKY POINT WATER AND SEWER DISTRICT		
	13.1.	Resolution Accepting the Deed of Dedication of water distribution system for Carolina Creek Phase 3 RPTWSD_DeedofDedication_CarolinaCreekPh3 - Pdf	Keel	253 - 259
14.		SCOTTS HILL WATER AND SEWER DISTRICT		
15.		MOORES CREEK WATER AND SEWER DISTRICT		
16.		CENTRAL PENDER WATER AND SEWER DISTRICT		
17.		PENDER COUNTY BOARD OF HEALTH		
18.		SOCIAL SERVICES BOARD		
19.		ITEMS FROM THE COUNTY ATTORNEY, COUNTY MANAGER, ASSISTANT COUNTY MANAGERS, & COUNTY COMMISSIONERS		
20.		CLOSED SESSION (IF APPLICABLE).		
21.		7PM PUBLIC HEARINGS: SPECIAL USE PERMITS/ZONING MAP AMENDMENTS/ RESOLUTIONS		
	21.1.	Resolution Requesting Approval of Conditional Zoning Map Amendment for three (3) tracts totaling approximately ±301.09 acres	Henley	261 - 302

	from RP, Residential Performance and RA, Rural Agricultural zoning districts to PD-CD1, Planned Development Conditional zoning district 1. REZONE 2020-16 - Pdf		
21.2.	Resolution Requesting Approval of a Special Use Permit SUP 2021-22 - Pdf	Feldman	303 - 323
21.3.	Resolution Requesting Approval of a Special Use Permit for Duke Energy Telecommunication Facility SUP 2021-23 - Pdf	Smith	325 - 354

22. ADJOURNMENT

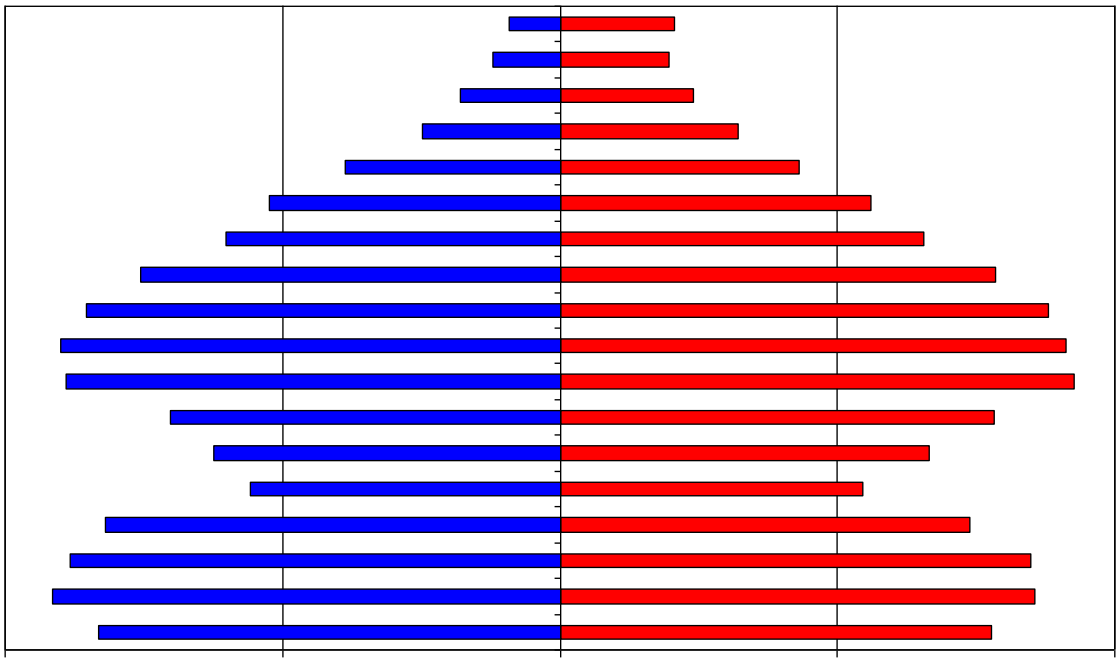
Pender County
Pender County Schools Preliminary Demographic Study

TO:	Board of County Commissioners
FROM:	Dr. Jerome McKibbean
DATE:	November 15, 2021
SUBJECT:	Presentation of the preliminary demographic study for Pender County Schools

SUMMARY:
Dr. Jerome McKibbean will present the demographic study for Pender County Schools. Included in the study are recommendations to help address the current and future needs of the school district. Mr. Cropper will also present the Options Statistics presentation as well.

Pender County Schools, NC

Demographic Study Report 2021



Cropper GIS

McKibben Demographics

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Executive Summary

1. The **resident** total fertility rate for the Pender County Schools over the life of the forecasts is below replacement level. (1.98 vs. the replacement level of 2.1)

2. Most in-migration to the district continues to occur in the 0-to-9 and 25-to-44-year-old age groups.

3. The local 18-to-24-year-old population continues to leave the district, going to college or moving to other urbanized areas. This population group accounts for the largest segment of the district's out migration flow and will increase steadily over the next 10 years. The second largest migration outflow is in the 70+ age groups.

4. The primary factors causing the district's enrollment to increase over the next 10 years is the slowing of the increase in empty nest households, the relatively high number of elderly housing units turning over, and a sustained rate of in migration of young families.

5. Changes in year-to-year enrollment over the next ten years will primarily be due to large cohorts entering and moving through the school system in conjunction with smaller cohorts leaving the system.

6. The elementary enrollment will slowly increase over the next 10 years school years.

7. The median age of the district's population will increase from 41.1 in 2010 to 44.2 in 2030.

8. Even if the district continues to have some amount of annual new housing unit construction over the next 10 years, the rate, magnitude, and price of existing home sales will become the increasingly dominant factor affecting the amount of population and enrollment change.

9. Total district enrollment is forecasted to increase by 642 students, or 6.6%, between 2020-21 and 2025-26. Total enrollment will increase by 358 students, or 3.4%, from 2025-26 to 2030-31.

INTRODUCTION

By demographic principle, distinctions are made between projections and forecasts. A projection extrapolates the past (and present) into the future with little or no attempt to take into account any factors that may impact the extrapolation (e.g., changes in fertility rates, housing patterns or migration patterns) while a forecast results when a projection is modified by reasoning to take into account the aforementioned factors.

To maximize the use of this study as a planning tool, the ultimate goal is not simply to project the past into the future, but rather to assess various factors' impact on the future. The future population and enrollment change of each school district is influenced by a variety of factors. Not all factors will influence all of the attendance areas in the school district at the same level. Some may affect different areas at dissimilar magnitudes and rates causing changes at varying points of time within the same district. The forecaster's judgment, based on a thorough and intimate study of the district, has been used to modify the demographic trends and factors to more accurately predict likely changes. Therefore, strictly speaking, this study is a forecast, not a projection; and the amount of modification of the demographic trends varies between different areas of the district as well as within the timeframe of the forecast.

To calculate population forecasts of any type, particularly for smaller populations such as a school district, realistic suppositions must be made as to what the future will bring in terms of age specific fertility rates and residents' demographic behavior at certain points of the life course. The demographic history of the school district and its interplay with the social and economic history of the area is the starting point and basis of most of these suppositions particularly on key factors such as the age structure of the area. The unique nature of each district's and attendance area's demographic composition and rate of change over time must be assessed and understood to be factors throughout the life of the forecast series. Moreover, no two populations, particularly at the school district and attendance area level, have exactly the same characteristics.

The manifest purpose of these forecasts is to ascertain the demographic factors that will ultimately influence the enrollment levels in the district's schools. There are of course, other non-demographic factors that affect enrollment levels over time. These factors include, but are not limited to transfer policies within the district; student transfers to and from neighboring districts; placement of "special programs" within school facilities that may serve students from outside the attendance area; state or federal mandates that dictate the movement of students from one facility to another (No Child Left Behind was an excellent example of this factor); the development of charter schools in the district; the prevalence of home schooling in the area; and the dynamics of local private schools.

Unless the district specifically requests the calculation of forecasts that reflect the effects of changes in these non-demographic factors, their influences are held constant for the life of the forecasts. Again, the main function of these forecasts is to determine what impact demographic changes will have on future enrollment. It is quite possible to calculate special "scenario" forecasts to measure the impact of school policy modifications as well as planned economic and financial changes. However, in this case the results of these population and enrollment forecast are meant to represent the most likely scenario for changes over the next 10 years in the district and its attendance areas.

The first part of the report will examine the assumptions made in calculating the population forecasts for the Pender County Schools. Since the results of the population forecasts drive the subsequent enrollment forecasts, the assumptions listed in this section are paramount to understanding the area's demographic dynamics. The remainder of the report is an explanation and analysis of the district's population forecasts and how they will shape the district's grade level enrollment forecasts.

DATA

The data used for the forecasts come from a variety of sources. Pender County Schools provided enrollments by grade and attendance center for the school years 2015-16 to 2020-21. The historic enrollment was geo-coded to the student's home address and then summed to establish the enrollment given the new elementary boundaries. Birth and death data for the years 2000 through 2018 were obtained from the North Carolina Department of Health. The net migration values were calculated using Internal Revenue Service migration reports for the years 2000 through 2018. The data used for the calculation of migration models came from the United States Bureau of the Census, 2005 to 2010, and the models were designed using demographic and economic factors. The base age-sex population counts used are from the results of the 2010 Census.

Recently the Census Bureau began releasing annual estimates of demographic variables at the block group and tract level from the American Community Survey (ACS). There has been wide scale reporting of these results in the national, state and local media. However, due to the methodological problems the Census Bureau is experiencing with their estimates derived from ACS data, particularly in areas with a population of less than 60,000, the results of the ACS are not used in these forecasts. For example, given the sampling framework used by the Census Bureau, each year only 630 of the over 21,000 current households in the district would have been included. For comparison 2,800 households in the district were included in the sample for the long form questionnaire in the 2000 Census. As a result of this small sample size, the ACS survey result from the last 5 years must be aggregated to produce the tract and block group estimates.

To develop the population forecast models, past migration patterns, current age specific fertility patterns, the magnitude and dynamics of the gross and net migration, the current age specific mortality trends, the distribution of the

population by age and sex, the rate and type of existing housing unit sales, and future housing unit construction are considered to be primary variables. In addition, the change in household size relative to the age structure of the forecast area was addressed. While there was a slight drop in the average household size in Pender County Schools as well as most other areas of the state during the previous 20 years, the rate of this decline has been forecasted to slow over the next ten years.

ASSUMPTIONS

For these forecasts, the mortality probabilities are held constant at the levels calculated for the year 2010. While the number of deaths in an area are impacted by and will change given the proportion of the local population over age 65, in the absence of an extraordinary event such as a natural disaster or a breakthrough in the treatment of heart disease, death rates rarely move rapidly in any direction, particularly at the school district or attendance area level. Thus, significant changes are not foreseen in district's mortality rates between now and the year 2030. (At this point in time, there is insufficient data of the geographic and age level impacts of COVID-19 on mortality rates. We assume that most areas will return to their traditional mortality rate levels by 2022.) Any increases forecasted in the number of deaths will be due primarily to the general aging of the district's population and specifically to the increase in the number of residents aged 65 and older.

Similarly, fertility rates are assumed to stay fairly constant for the life of the forecasts. Like mortality rates, age specific fertility rates rarely change quickly or dramatically, particularly in small areas. Even with the recently reported rise in the fertility rates of the United States, overall fertility rates have stayed within a 10% range for most of the last 40 years. In fact, the vast majority of year-to-year change in an area's number of births is due to changes in the number of women in childbearing ages (particularly ages 20-29) rather than any fluctuation in an area's fertility rate.

The **resident** total fertility rate (TFR), the average number of births a woman will have while living in the school district during her lifetime, is estimated to be 1.98 for the total district for the ten years of the population forecasts. A TFR of 2.1 births per woman is considered to be the theoretical "replacement level" of fertility necessary for a population to remain constant in the absence of in-migration. Therefore, in the absence of migration, fertility alone would be slightly below the level needed to maintain the current level of population and enrollment within Pender County Schools over the course of the forecast period. At the current TFR and given the number of women in prime childbearing age in the district (ages 20-34 year old), the district will consistently see the number of total resident births be on average over 100 lower than the average enrollment in grade one.

A close examination of data for Pender County Schools has shown the age specific pattern of net migration will be nearly constant throughout the life of the forecasts. While the number of in and out migrants has changed in past years for Pender County Schools (and will change again over the next 10 years), the basic age pattern of the migrants has stayed nearly the same over the last 30 years. Based on the analysis of data it is safe to assume this age specific migration trend will remain unchanged into the future. This pattern of migration shows most of the local out-migration occurring in the 18-to-24-year-old age group as young adults leave the area to go to college or move to other urbanized areas. The second group of out-migrants is those householders aged 70 and older who are downsizing their residences. Most of the non-college in-migration occurs in the 0-to-9 and 25-44 age groups (the bulk of the which come from areas within 100 miles of Pender County Schools) primarily consisting of younger adults and their children.

As the Pender County area is not currently contemplating any major expansions or contractions, the forecasts also assume that the current economic, political, social, and environmental factors, as well as the transportation and public works infrastructure (with a few notable exceptions) of Pender County Schools and its attendance areas will remain the same through the year 2030. Below is a list of assumptions and issues that are specific to Pender County Schools These issues have been used to modify the population forecast models to more accurately predict the impact of these factors on each area's population change. Specifically, the forecasts for Pender County Schools assume that throughout the study period:

a. The national, state or regional economy does not go into deep recession at any time during the 10 years of the forecasts; (Deep recession is defined as four consecutive quarters where the GDP contracts greater than 1% per quarter)
b. Interest rates have reached a historic low and will not fluctuate more than one percentage point in the short term; the interest rate for a 30-year fixed home mortgage stays below 4.5%;
c. The rate of mortgage approval stays at 2015-2020 levels and lenders do not return to "sub-prime" mortgage practices;
d. There are no additional restrictions placed on home mortgage lenders or additional bankruptcies of major credit providers;
e. The rate of housing foreclosures does not exceed 125% of the 2015-2020 average of Pender County for any year in the forecasts;
f. All currently planned, platted, approved, and permitted housing developments are built out and completed by 2029. All new housing units constructed are occupied by 2030. Speculative new home construction plans are not included.
g. The average annual unemployment rates for the Pender County and the Wilmington Metropolitan Area will remain below 7.5% for the 10 years of the forecasts;
h. The intra district student transfer policy remains unchanged over the next 10 years;

i. The rate of students transferring out of Pender County Schools will remain at the 2015-16 to 2020-21 average;
j. The inflation rate for gasoline will stay below 5% per year for the 10 years of the forecasts;
k. The state of North Carolina does not change the current policy on open enrollment or school vouchers anytime in the next 10 years;
l. There will be no building moratorium within the district;
m. Businesses within the district and Pender County Schools area will remain viable;
n. There are no charter schools opened in the district anytime over the next 10 years:
o. The number of existing home sales in the district that are a result of "distress sales" (homes worth less than the current mortgage value) will not exceed 20% of total homes sales in the district for any given year;
p. Housing turnover rates (sale of existing homes in the district) will remain at their current levels. The majority of existing home sales are made by home owners over the age of 60;
q. The district will have at least an average of 1,400 existing home sales per year for the next 10 years;
r. The district will have at least an average of 400 new single-family home constructed per year over the next 10 years;
s. Private school and home school attendance rates will remain constant;
t. The rate of foreclosures for commercial property remains at the 2015-2020 average for Pender County;
u. Pender County Schools and all surrounding school districts return to full time in-person instruction by the fall of 2021;

If a major employer in the district or in the Pender County or the Greater Wilmington Metropolitan Area (particularly in northern New Hanover County) closes, reduces or expands its operations, the population forecasts would need to be adjusted to reflect the changes brought about by the change in economic and employment conditions. The same holds true for any type of natural disaster, major change in the local infrastructure (e.g., highway construction, water and sewer expansion, changes in zoning regulations etc.), a further economic downturn, any additional weakness in the housing market or any instance or situation that causes rapid and dramatic population changes that could not be foreseen at the time the forecasts were calculated. The high proportion of high school graduates from Pender County Schools that attend college or move to urban areas outside of the district for employment is a significant demographic factor. Their departure is a major reason for the extremely high out-migration in the 18 to 24 age group, and was taken into account when calculating these forecasts. The out-migration of graduating high school seniors is expected to continue over the period of the forecasts and the rate of out-migration has been forecasted to remain the same over the life of the forecast series.

Finally, all demographic trends (i.e., births, deaths, and migration) are assumed to be linear in nature and annualized over the forecast period. For example, if 1,000 births are forecasted for a 5-year period, an equal number, or proportion of the births are assumed to occur every year, 200 per year. Actual year-to-year variations do and will occur, but overall year to year trends are expected to be constant.

METHODOLOGY

The population forecasts presented in this report are the result of using the Cohort-Component Method of population forecasting (Siegel, and Swanson, 2004: 561-601) (Smith et. al. 2004). As stated in the **INTRODUCTION**, the difference between a projection and a forecast is in the use of explicit judgment based upon the unique features of the area under study. Strictly speaking, a cohort projection refers to the future population that would result if a mathematical extrapolation of historical trends. Conversely, a cohort-component forecast refers to the future population that is expected because of a studied and purposeful selection of the components of change (i.e., births, deaths, and migration) and forecast models are developed to measure the impact of these changes in each specific geographic area.

Five sets of data are required to generate population and enrollment forecasts. These five data sets are:

a. a base-year population (here, the 2010 Census population for Pender County Schools and its attendance areas);
b. a set of age-specific fertility rates for the district to be used over the forecast period and its attendance areas;
c. a set of age-specific survival (mortality) rates for the district and its attendance areas;
d. a set of age-specific migration rates for the district and its attendance areas; and;
e. the historical enrollment figures by grade.

The most significant and difficult aspect of producing enrollment forecasts is the generation of the population forecasts in which the school age population (and enrollment) is embedded. In turn, the most challenging aspect of generating the population forecasts is found in deriving the rates of change in fertility, mortality, and migration. From the standpoint of demographic analysis, Pender County Schools is classified as a "small area" population (as compared to the population of the state of North Carolina or to that of the United States). Small area population forecasts are more complicated to calculate because local variations in fertility, mortality, and migration may be more irregular than those at the regional, state or national scale. Especially challenging is the forecast of the migration rates for local areas, because changes in the area's socioeconomic characteristics can quickly

change from past and current patterns (Peters and Larkin, 2002).

The population forecasts for Pender County School District were calculated using a cohort-component method with the populations divided into male and female groups by five-year age cohorts that range from 0-to-4 years of age to 85 years of age and older (85+). Age- and sex-specific fertility, mortality, and migration models were constructed to specifically reflect the unique demographic characteristics of each of the attendance areas in Pender County Schools.

The enrollment forecasts were calculated using a modified average survivorship method. Average survivor rates (i.e., the proportion of students who progress from one grade level to the next given the average amount of net migration for that grade level) over the previous five years of year-to-year enrollment data were calculated for grades two through twelve. This procedure is used to identify specific grades where there are large numbers of students changing facilities for non-demographic factors, such as private school transfers or enrollment in special programs.

The survivorship rates were modified or adjusted to reflect the average rate of forecasted in and out migration of 5-to-9, 10-to-14 and 15-to-17-year-old cohorts to each of the attendance centers in Pender County School District for the period 2010 to 2015. These survivorship rates then were adjusted to reflect the forecasted changes in age-specific migration the district should experience over the next five years. These modified survivorship rates were used to project the enrollment of grades 2 through 12 for the period 2015 to 2020. The survivorship rates were adjusted again for the period 2020 to 2025 to reflect the predicted changes in the amount of age-specific migration in the district for the period.

The forecasted enrollments for kindergarten and first grade are derived from the 5-to-9-year-old population of the age-sex population forecast at the elementary attendance center district level. This procedure allows the changes in the incoming grade sizes to be factors of forecasted population change and not an extrapolation of previous class sizes. Given the potentially large amount of variation in kindergarten enrollment due to parental choice, changes in the state's minimum age requirement, and differing district policies on allowing children to start Kindergarten early, first grade enrollment is deemed to be a more accurate and reliable starting point for the forecasts (McKibben, 1996). The level of the accuracy for both the population and enrollment forecasts at the school district level is estimated to be ±2.0% for the life of the forecasts.

REFERENCES

McKibben, J.
The Impact of Policy Changes on Forecasting for School Districts. Population Research and Policy Review, Vol. 15, No. 5-6, December 1996

Peters, G. and R. Larkin
Population Geography. 7th Edition. Dubuque, IA: Kendall Hunt Publishing. 2002.

Siegel, J. and D. Swanson
The Methods and Materials of Demography: Second Edition, Academic Press: New York, New York. 2004.

Smith, S., J. Tayman and D. Swanson
State and Local Population Projections, Academic Press, New York, New York. 2001.

Appendix A: Supplemental Tables

Table 1: Forecasted District Total Population Change, 2010 to 2020

	2010	2015	*2010-2015 Change*	2020	*2015-2020 Change*	*2010-2020 Change*
Pope ES	10,213	10,610	*3.9%*	10,980	*3.5%*	*7.5%*
Cape Fear ES	5,741	6,070	*5.7%*	6,360	*4.8%*	*10.8%*
Malpass Corner ES	6,474	6,730	*4.0%*	6,920	*2.8%*	*6.9%*
North Topsail ES	4,126	5,260	*27.5%*	6,390	*21.5%*	*54.9%*
Penderlea ES/MS	4,772	5,040	*5.6%*	5,250	*4.2%*	*10.0%*
Rocky Point ES	3,802	4,140	*8.9%*	4,510	*8.9%*	*18.6%*
South Topsail ES	4,794	5,870	*22.4%*	6,990	*19.1%*	*45.8%*
Surf City ES	7,140	8,580	*20.2%*	10,020	*16.8%*	*40.3%*
Topsail ES	5,155	6,470	*25.5%*	7,810	*20.7%*	*51.5%*
District Total	**52,218**	**58,770**	***12.5%***	**65,230**	***11.0%***	***24.9%***

Table 2: Household Characteristics by Elementary Area, 2010 Census

	HH w/ Pop Under 18	% HH w/ Pop Under 18	Total Households	Household Population	Persons Per Household
Burgaw ES/MS	1254	33.0%	3799	9276	2.44
Cape Fear ES	802	38.5%	2084	5703	2.74
Malpass Corner ES	815	31.4%	2596	6474	2.49
North Topsail ES	544	33.0%	1647	4022	2.44
Penderlea ES/MS	602	31.5%	1911	4766	2.49
Rocky Point ES	527	38.3%	1377	3802	2.76
South Topsail ES	692	38.6%	1794	4794	2.67
Surf City ES	831	27.7%	2996	7134	2.38
Topsail ES	609	28.6%	2130	5155	2.42
District Total	**6676**	**32.8%**	**20333**	**51127**	**2.51**

Table 3: Householder Characteristics by Elementary Area, 2010 Census

	Percentage of Householders aged 35-54	**Percentage of Householders aged 65+**	**Percentage of Householders Who Own Homes**
Burgaw ES/MS	36.6%	26.3%	68.8%
Cape Fear ES	46.2%	18.1%	82.0%
Malpass Corner ES	39.2%	25.5%	81.7%
North Topsail ES	38.3%	24.5%	75.9%
Penderlea ES/MS	38.1%	27.7%	78.7%
Rocky Point ES	41.2%	20.1%	69.8%
South Topsail ES	44.8%	21.6%	82.5%
Surf City ES	37.5%	25.3%	72.9%
Topsail ES	35.1%	34.7%	89.0%
District Total	**39.2%**	**25.2%**	**77.3%**

Table 4: : Percentage of Households that are Single Person Households and Single Person Households that are over age 65 by Elementary Area, 2010 Census

	Percentage of Single Person Households	Percentage of Single Person Households and are 65+
Burgaw ES/MS	28.2%	12.4%
Cape Fear ES	18.1%	6.4%
Malpass Corner ES	25.8%	9.9%
North Topsail ES	20.9%	8.1%
Penderlea ES/MS	26.0%	11.0%
Rocky Point ES	20.9%	7.8%
South Topsail ES	17.3%	7.0%
Surf City ES	24.5%	9.1%
Topsail ES	20.9%	11.0%
District Total	**23.3%**	**9.6%**

Table 5: Elementary Enrollment (PK-5), 2020, 2025, 2030

	2020	2025	2020-2025 Change	2030	2025-2030 Change	2020-2030 Change
Pope ES	506	584	*15.4%*	611	*4.6%*	*20.8%*
Cape Fear ES	519	569	*9.6%*	538	*-5.4%*	*3.7%*
Malpass Corner ES	451	462	*2.4%*	451	*-2.4%*	*0.0%*
North Topsail ES	472	507	*7.4%*	530	*4.5%*	*12.3%*
Penderlea ES/MS	330	340	*3.0%*	329	*-3.2%*	*-0.3%*
Rocky Point ES	440	494	*12.3%*	524	*6.1%*	*19.1%*
South Topsail ES	618	673	*8.9%*	686	*1.9%*	*11.0%*
Surf City ES	590	652	*10.5%*	651	*-0.2%*	*10.3%*
Topsail ES	618	673	*8.9%*	686	*1.9%*	*11.0%*
District Total	**4,321**	**4,734**	***9.6%***	**4,832**	***2.1%***	***11.8%***

Table 6: Age Under One to Age Ten Population Counts, by Year of Age, by Elementary Area: 2010 Census

	Under 1 year	1 year	2 years	3 years	4 years	5 years	6 years	7 years	8 years	9 years	10 years
Burgaw ES/MS	126	124	133	140	97	115	127	131	134	132	131
Cape Fear ES	56	70	90	72	95	86	85	74	99	89	77
Malpass Corner ES	76	78	65	79	70	75	58	73	102	80	88
North Topsail ES	58	41	50	43	37	45	49	46	51	53	55
Penderlea ES/MS	47	53	48	58	56	60	46	75	54	48	67
Rocky Point ES	55	47	68	69	53	56	54	44	46	54	52
South Topsail ES	59	59	59	57	67	61	51	63	64	85	57
Surf City ES	74	69	72	74	57	68	65	77	90	95	81
Topsail ES	60	49	59	44	54	53	48	53	75	67	59
Total	**611**	**590**	**643**	**635**	**585**	**619**	**584**	**636**	**716**	**704**	**666**

Table 7: Comparison of District Resident Enrollment by Grade with 2010 Census Counts by Age, 2015-2020

2010 Census	Under 1 year	1 year	2 years	3 years	4 years	5 years	6 years	7 years	8 years	9 years	10 years	11 years	12 years	13 years
Pender County Schools Total	**611**	**590**	**643**	**635**	**585**	**619**	**584**	**636**	**716**	**704**	**666**	**684**	**720**	**643**
2020 Grade	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**						
2020 Enrollment	695	722	831	837	809	790	676	789						
% of Census Counts by Age	113.7%	122.4%	129.2%	131.8%	138.3%	127.6%	115.8%	124.1%						
2019 Grade	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**					
2019 Enrollment	700	711	815	817	739	815	681	790	745					
% of Census Counts by Age	114.6%	120.5%	126.7%	128.7%	126.3%	131.7%	116.6%	124.2%	104.1%					
2018 Grade	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**				
2018 Enrollment	687	678	781	773	705	752	717	827	774	763				
% of Census Counts by Age	112.4%	114.9%	121.5%	121.7%	120.5%	121.5%	122.8%	130.0%	108.1%	108.4%				
2017 Grade	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**			
2017 Enrollment	645	640	755	755	700	729	646	848	814	770	693			
% of Census Counts by Age	105.6%	108.5%	117.4%	118.9%	119.7%	117.8%	110.6%	133.3%	113.7%	109.4%	104.1%			
2016 Grade	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**		
2016 Enrollment	647	677	768	759	688	703	642	782	843	795	718	605		
% of Census Counts by Age	105.9%	114.7%	119.4%	119.5%	117.6%	113.6%	109.9%	123.0%	117.7%	112.9%	107.8%	88.5%		
2015 Grade	**K**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	
2015 Enrollment	619	642	735	729	684	680	610	760	763	837	742	649	599	
% of Census Counts by Age	101.3%	108.8%	114.3%	114.8%	116.9%	109.9%	104.5%	119.5%	106.6%	118.9%	111.4%	94.9%	83.2%	

Appendix B: Population Forecasts

Pender County Schools Total Population

Total	2010	2015	2020	2025	2030
0-4	3,064	3,630	3,800	3,700	3,730
5-9	3,259	3,760	4,190	4,390	4,310
10-14	3,394	3,690	4,190	4,580	4,760
15-19	3,467	2,800	3,060	3,640	4,040
20-24	2,774	2,570	2,100	2,270	2,800
25-29	2,838	3,600	3,390	3,070	3,180
30-34	3,048	3,980	4,750	4,730	4,150
35-39	3,436	4,190	5,160	5,560	5,720
40-44	3,660	4,450	4,920	5,780	6,210
45-49	4,054	3,980	4,870	5,350	6,200
50-54	4,095	4,000	4,050	4,910	5,350
55-59	3,706	4,010	3,990	3,970	4,850
60-64	3,536	3,710	3,990	3,970	3,980
65-69	2,764	3,460	3,660	3,870	3,880
70-74	1,921	2,700	3,400	3,530	3,740
75-79	1,450	1,850	2,610	3,310	3,420
80-84	951	1,450	1,850	2,570	3,240
85+	799	940	1,250	1,640	2,230
Total	52,218	58,770	65,230	70,840	75,790
Median Age	41.1	41.3	42.0	43.0	44.2

	2010 to 2015	2015 to 2020	2020 to 2025	2025 to 2030
Births	3,050	3,320	3,250	3,330
Deaths	1,370	1,770	2,180	2,770
Natural Increase	1,680	1,550	1,070	560
Net Migration	4,810	4,960	4,490	4,300
Change	6,490	6,510	5,560	4,860

Differences between period Totals may not equal Change due to rounding.

Cape Fear Elementary School

Total	2010	2015	2020	2025	2030
0-4	383	390	400	370	350
5-9	432	400	400	450	420
10-14	372	430	400	400	450
15-19	389	330	400	370	370
20-24	326	300	250	300	270
25-29	337	350	320	270	320
30-34	390	390	390	370	310
35-39	455	440	440	450	420
40-44	455	480	430	450	480
45-49	462	450	480	430	450
50-54	465	460	450	480	430
55-59	391	460	440	430	470
60-64	308	380	440	440	430
65-69	230	300	380	420	410
70-74	151	220	290	350	390
75-79	89	140	220	280	340
80-84	68	90	150	210	280
85+	40	60	80	110	180
Total	5,741	6,070	6,360	6,580	6,770
Median Age	37.7	40.1	42.1	43.4	44.9

	2010 to 2015	2015 to 2020	2020 to 2025	2025 to 2030
Births	350	330	320	320
Deaths	110	130	180	230
Natural Increase	240	200	140	90
Net Migration	90	90	90	90
Change	330	290	230	180

Differences between period Totals may not equal Change due to rounding.

C.F. Pope Elementary School

Total	2010	2015	2020	2025	2030
0-4	620	590	610	630	600
5-9	639	640	610	630	650
10-14	637	640	640	610	630
15-19	661	610	620	620	590
20-24	562	550	500	520	540
25-29	643	630	620	560	560
30-34	644	710	690	670	610
35-39	703	690	750	720	700
40-44	655	720	700	760	740
45-49	755	650	710	700	760
50-54	784	740	640	710	680
55-59	725	770	730	620	680
60-64	665	710	750	710	610
65-69	490	650	700	740	690
70-74	368	480	640	660	700
75-79	269	350	460	620	640
80-84	197	270	350	460	610
85+	196	210	260	330	420
Total	10,213	10,610	10,980	11,270	11,410
Median Age	40.0	41.7	43.2	44.4	45.6

	2010 to 2015	2015 to 2020	2020 to 2025	2025 to 2030
Births	570	590	590	570
Deaths	290	340	410	500
Natural Increase	280	250	180	70
Net Migration	110	110	100	80
Change	390	360	280	150

Differences between period Totals may not equal Change due to rounding.

Maplass Corner Elementary School

Total	2010	2015	2020	2025	2030
0-4	367	350	340	310	310
5-9	388	380	370	350	330
10-14	463	390	380	370	350
15-19	439	430	350	350	330
20-24	300	320	300	270	270
25-29	348	310	330	310	290
30-34	348	400	370	380	370
35-39	404	400	470	410	420
40-44	385	480	470	520	450
45-49	526	380	460	470	510
50-54	571	520	380	460	460
55-59	543	560	510	370	450
60-64	458	540	550	490	360
65-69	311	440	520	540	490
70-74	246	310	440	510	520
75-79	173	240	290	420	490
80-84	117	170	240	300	420
85+	86	110	150	210	270
Total	6,474	6,730	6,920	7,040	7,090
Median Age	42.3	44.0	45.9	47.7	49.2

	2010 to 2015	2015 to 2020	2020 to 2025	2025 to 2030
Births	320	320	290	280
Deaths	170	210	260	320
Natural Increase	150	110	30	-40
Net Migration	90	90	80	80
Change	240	200	110	40

Differences between period Totals may not equal Change due to rounding.

North Topsail Elementary School

Total	2010	2015	2020	2025	2030
0-4	229	370	390	370	390
5-9	245	370	430	430	460
10-14	266	350	470	520	520
15-19	274	180	250	370	430
20-24	237	170	140	150	230
25-29	256	340	270	240	250
30-34	245	460	540	510	470
35-39	265	450	660	710	690
40-44	318	460	640	820	890
45-49	295	450	640	820	1,000
50-54	274	290	450	630	800
55-59	250	270	280	440	610
60-64	241	250	270	280	430
65-69	203	230	240	250	280
70-74	158	200	230	230	250
75-79	152	150	200	230	230
80-84	105	150	150	190	220
85+	114	120	140	150	190
Total	4,126	5,260	6,390	7,340	8,340
Median Age	40.7	39.3	40.4	42.3	44.1

	2010 to 2015	2015 to 2020	2020 to 2025	2025 to 2030
Births	270	290	280	300
Deaths	140	180	200	240
Natural Increase	130	110	80	60
Net Migration	1,010	990	910	900
Change	1,140	1,100	990	960

Differences between period Totals may not equal Change due to rounding.

Penderlea Elementary School

Total	2010	2015	2020	2025	2030
0-4	262	310	300	260	240
5-9	283	290	330	320	280
10-14	329	290	290	330	320
15-19	341	280	230	250	290
20-24	240	250	200	170	170
25-29	246	260	270	210	190
30-34	265	310	320	330	260
35-39	290	330	380	380	380
40-44	332	330	370	410	410
45-49	375	330	330	370	410
50-54	372	370	320	330	370
55-59	345	360	360	320	320
60-64	332	340	360	350	310
65-69	268	330	330	350	350
70-74	182	260	310	330	340
75-79	131	170	250	310	310
80-84	85	130	180	250	300
85+	95	100	120	150	210
Total	4,772	5,040	5,250	5,420	5,460
Median Age	42.0	43.0	44.1	45.7	47.3

	2010 to 2015	2015 to 2020	2020 to 2025	2025 to 2030
Births	280	280	240	220
Deaths	130	160	200	250
Natural Increase	150	120	40	-30
Net Migration	110	110	90	90
Change	260	230	130	60

Differences between period Totals may not equal Change due to rounding.

Rocky Point Elementary School

Total	2010	2015	2020	2025	2030
0-4	291	290	340	300	270
5-9	255	320	320	370	370
10-14	257	260	320	320	370
15-19	275	220	220	290	290
20-24	279	210	160	160	220
25-29	259	310	240	190	190
30-34	262	320	380	300	260
35-39	244	330	390	440	380
40-44	259	270	320	380	440
45-49	294	260	270	320	380
50-54	269	290	260	270	320
55-59	238	260	280	240	260
60-64	211	240	260	280	240
65-69	156	200	230	250	280
70-74	106	150	200	220	250
75-79	78	100	150	200	220
80-84	47	80	110	140	190
85+	23	30	60	90	120
Total	3,802	4,140	4,510	4,760	5,050
Median Age	35.5	37.1	38.5	40.1	42.0

	2010 to 2015	2015 to 2020	2020 to 2025	2025 to 2030
Births	260	270	240	240
Deaths	70	100	120	160
Natural Increase	190	170	120	80
Net Migration	160	170	160	170
Change	350	340	280	250

Differences between period Totals may not equal Change due to rounding.

South Topsail Elementary School

Total	2010	2015	2020	2025	2030
0-4	301	370	420	410	430
5-9	326	390	460	510	500
10-14	340	410	480	550	600
15-19	360	250	320	390	460
20-24	203	270	160	230	300
25-29	176	300	360	250	320
30-34	287	350	480	540	430
35-39	337	470	540	660	720
40-44	412	510	650	710	830
45-49	428	580	690	820	890
50-54	346	420	580	690	820
55-59	305	340	410	560	670
60-64	341	300	330	410	550
65-69	259	330	300	330	390
70-74	147	250	330	280	310
75-79	113	150	250	320	280
80-84	61	120	140	240	310
85+	52	60	90	120	180
Total	4,794	5,870	6,990	8,020	8,990
Median Age	40.8	41.2	42.1	43.3	44.4

	2010 to 2015	2015 to 2020	2020 to 2025	2025 to 2030
Births	280	330	320	340
Deaths	100	150	190	260
Natural Increase	180	180	130	80
Net Migration	890	930	910	900
Change	1,070	1,110	1,040	980

Differences between period Totals may not equal Change due to rounding.

Surf City Elementary School

Total	2010	2015	2020	2025	2030
0-4	347	550	570	580	590
5-9	395	460	670	690	670
10-14	417	500	580	770	790
15-19	454	310	380	470	670
20-24	469	340	250	280	370
25-29	390	700	580	580	580
30-34	361	620	940	910	780
35-39	412	590	860	1,040	1,110
40-44	500	630	710	960	1,140
45-49	550	540	680	750	990
50-54	613	550	580	720	770
55-59	529	600	580	620	740
60-64	556	570	640	610	640
65-69	476	570	600	620	600
70-74	265	470	550	590	610
75-79	211	260	440	540	570
80-84	116	210	250	440	520
85+	80	110	160	220	340
Total	7,140	8,580	10,020	11,390	12,480
Median Age	43.3	41.7	41.3	42.0	43.0

	2010 to 2015	2015 to 2020	2020 to 2025	2025 to 2030
Births	430	530	540	550
Deaths	170	250	310	440
Natural Increase	260	280	230	110
Net Migration	1,140	1,240	1,090	1,010
Change	1,400	1,520	1,320	1,120

Differences between period Totals may not equal Change due to rounding.

Topsail Elementary School

Total	2010	2015	2020	2025	2030
0-4	265	410	430	470	550
5-9	297	510	600	640	630
10-14	314	420	630	710	730
15-19	274	190	290	530	610
20-24	157	160	140	190	430
25-29	183	400	400	460	480
30-34	246	420	640	720	660
35-39	326	490	670	750	900
40-44	345	570	630	770	830
45-49	369	340	610	670	810
50-54	402	360	390	620	700
55-59	380	390	400	370	650
60-64	423	380	390	400	410
65-69	371	410	360	370	390
70-74	298	360	410	360	370
75-79	234	290	350	390	340
80-84	157	230	280	340	390
85+	114	140	190	260	320
Total	5,155	6,470	7,810	9,020	10,200
Median Age	47.3	42.1	40.8	40.3	40.7

	2010 to 2015	2015 to 2020	2020 to 2025	2025 to 2030
Births	290	380	430	510
Deaths	190	250	310	370
Natural Increase	100	130	120	140
Net Migration	1,210	1,230	1,060	980
Change	1,310	1,360	1,180	1,120

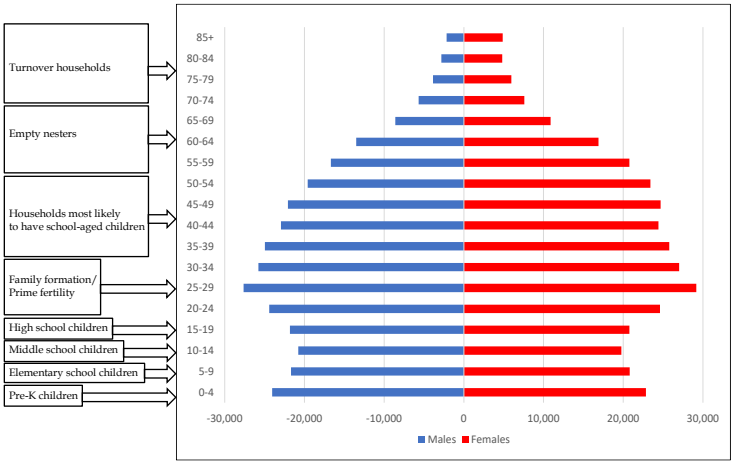
Differences between period Totals may not equal Change due to rounding.

Appendix C: Population Pyramids

Population pyramids are an effective tool to graphically represent age-sex composition of a given geographical area. They are designed to provide a detailed picture of structure of a population, with age and sex group intervals represented as horizontal bars stacked on one another. Most commonly, the pyramids are represented in 5-year age intervals, with the oldest group being open ended (on top). Male population groups are presented on the left, and female groups are given on the right side of the graph. For the purpose of this report, pyramids are represented as absolute numbers, since these types of pyramids show differences in overall population numbers between age-sex groups and between different geographical areas. Since the size of population between different attendance zones, regions and the district as a whole varies significantly, the pyramids are represented at different scale groupings, varying from: very small (up to 400 per age-sex group); small; (up to 800 per age-sex group); medium-sized (up to 1,200 per age-sex group); large (up to 1,600 per age-sex group); and very-large (up to 2,000 per age-sex group). The scales for the regions as well as for the whole district are naturally larger and are adjusted accordingly.

The shapes of the pyramids, along with the magnitude of the scales, are powerful tool with which one can quickly gain insight into population dynamics of analyzed area. Various types of shapes offer demographers visual aids in determining possible underlying trends regarding not just the age-sex composition of the area, but also provide clues to population components of change (fertility, mortality and migration). They might also provide insight into possible type of housing, workforce, education level and presence of group quarters (such as correctional institutions, colleges, senior care facilities, etc.) All of these factors should be considered when analyzing population trends of a certain area and more importantly while trying to ascertain future trends that this area might experience.

With all of this in mind, one can consider a population pyramid as a demographic fingerprint of a certain area. Consider the pyramid below:

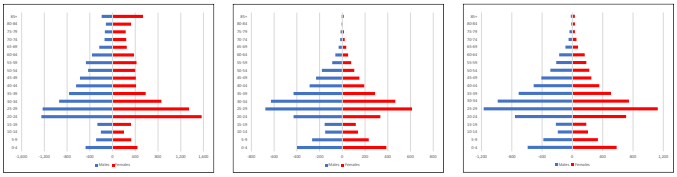


We can classify age groups into eight approximate categories (with an obvious note that 5-year age groups will not perfectly match school levels):

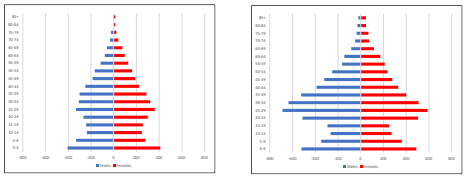
a) Ages 0-4 - Pre-K children;
b) Ages 5-9 - Elementary school children;
c) Ages 10-14 - Middle school children;
d) Ages: 15-19 - High school children;
e) Ages: 20-34 - Family formation/prime fertility;
f) Ages 35-54 - Households most likely to have school-aged children;
g) Ages 55-74 - Empty nesters; and
h) Ages 75 - Turnover households.

Using different kinds of typologies, we can classify elementary attendance zones into 8 different types, as follows:

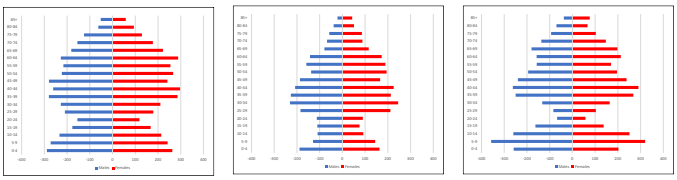
a) Multi-family - high SES (socioeconomic status): characterized by high proportion of population in their 20s and early 30s, most likely to be renting apartments. In addition, characterized by higher SES.



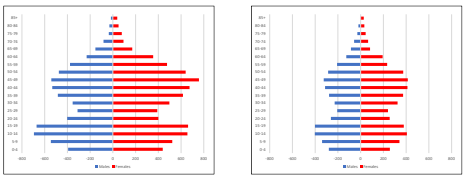
b) Multi-family – low SES: characterized by high proportion of population in their 20s and early 30s, most likely to be renting apartments. In addition, characterized by lower SES.



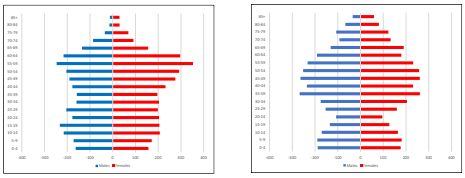
c) Young suburban: characterized by high proportions of population in their 30s and 40s, as well as young children (pre-K and elementary schoolers).



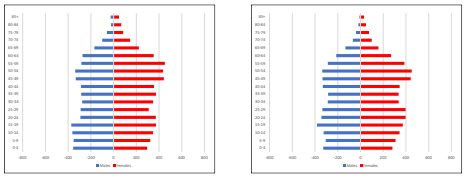
d) Old suburban: characterized by high proportions of population in their 40s and 50s, as well as older children (middle and high schoolers).



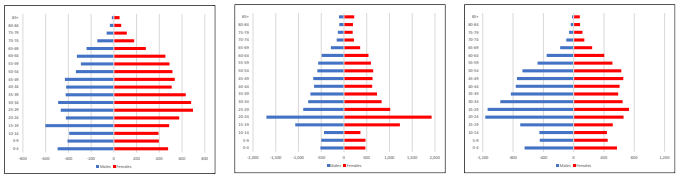
e) Turnover: characterized by population in 50s and 60s, empty nest households more likely to sell the house and downsize.



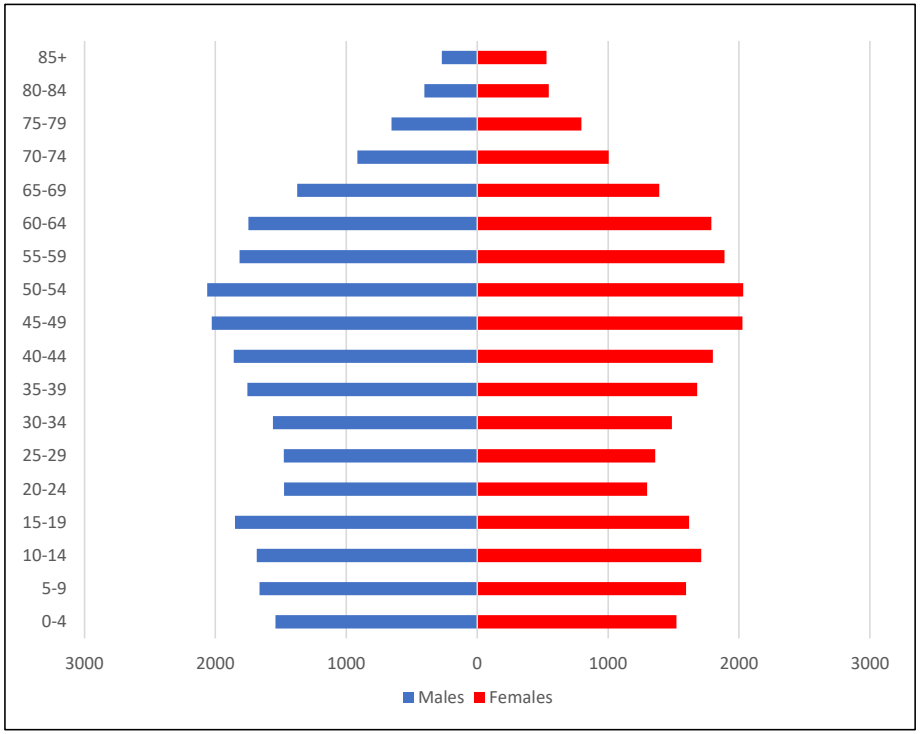
f) Mixed: characterized by mixed population of various ages and types of housing.



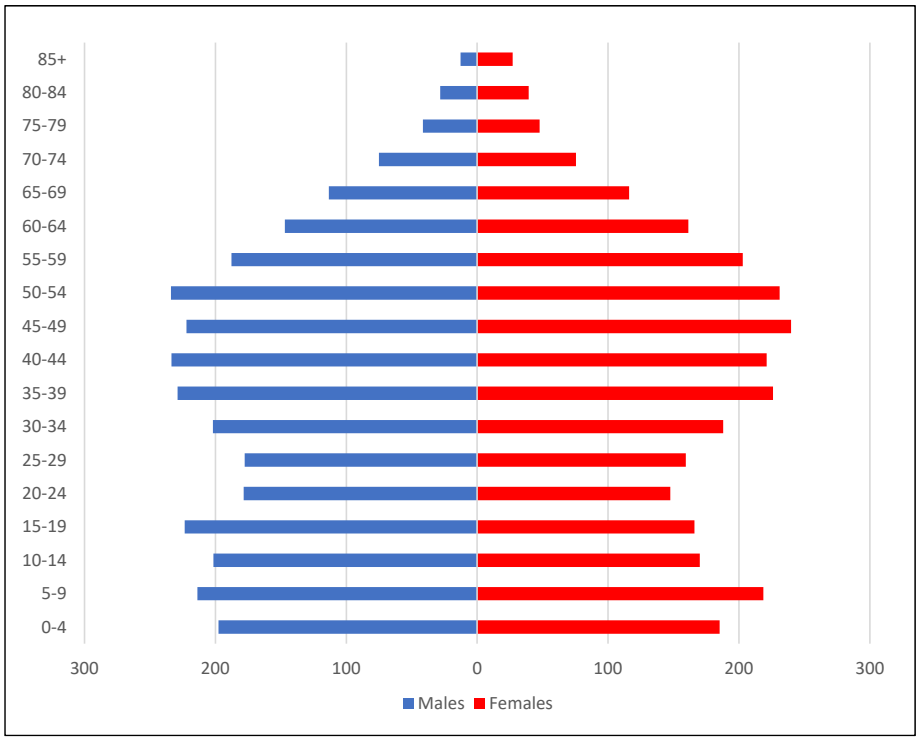
g) Group quarters: characterized by presence of one specific group of population that is living in either retirement homes, correctional facilities, army bases, student dorms, etc.



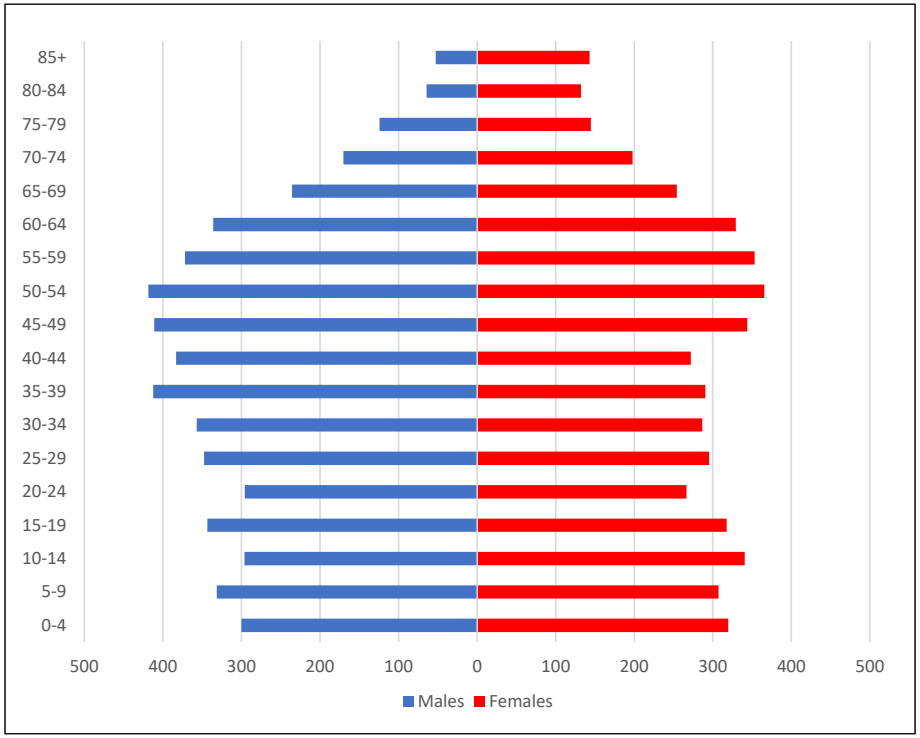
Pender County Schools Total Population – 2010 Census



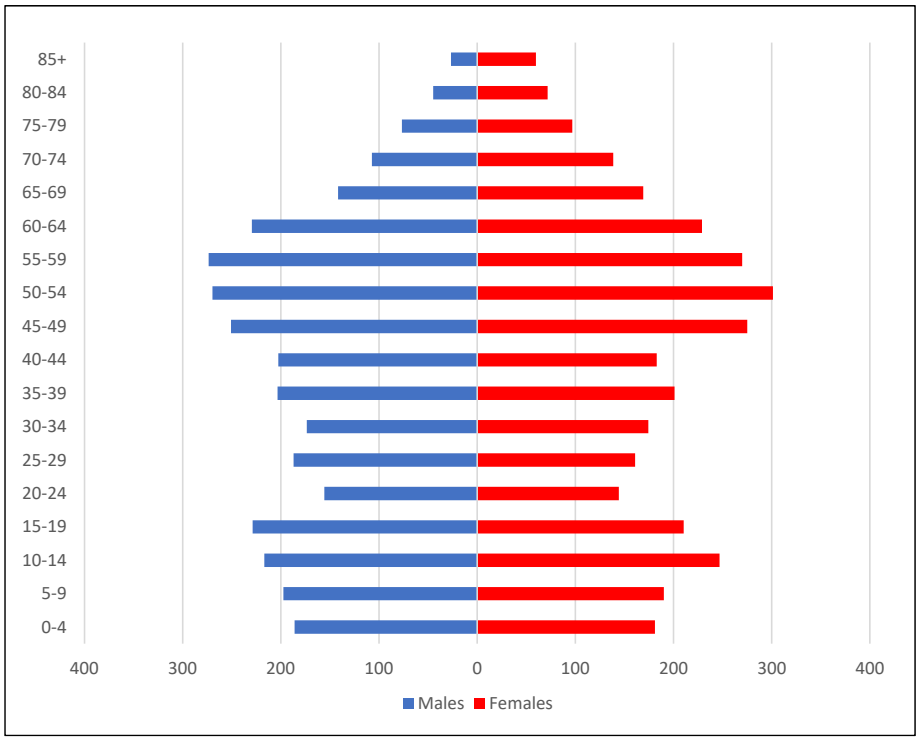
Cape Fear Elementary School Total Population – 2010 Census



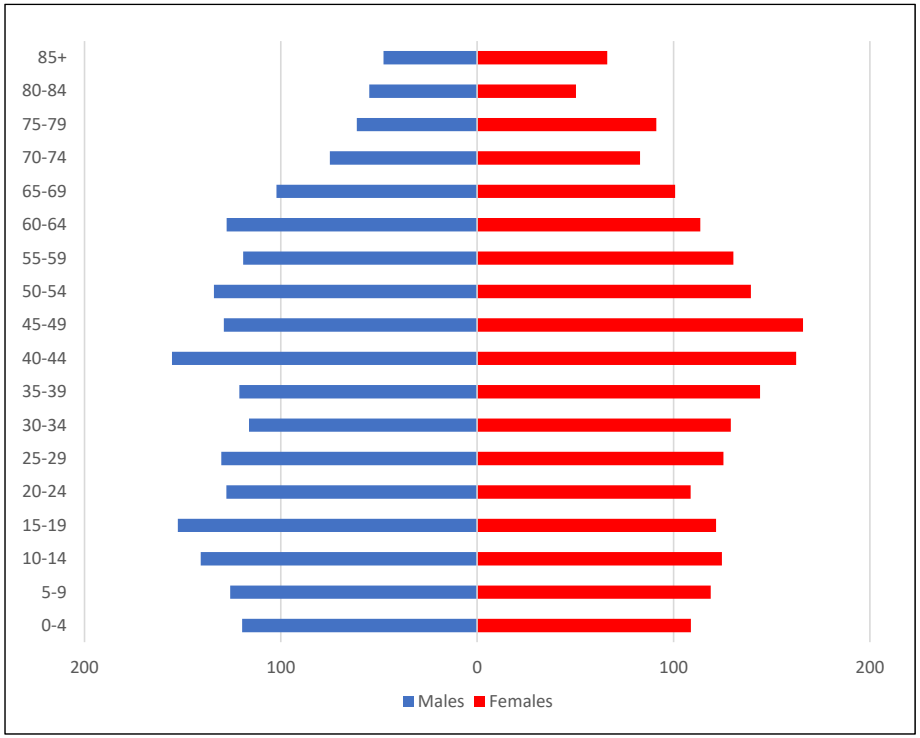
C.F. Pope Elementary School Population – 2010 Census



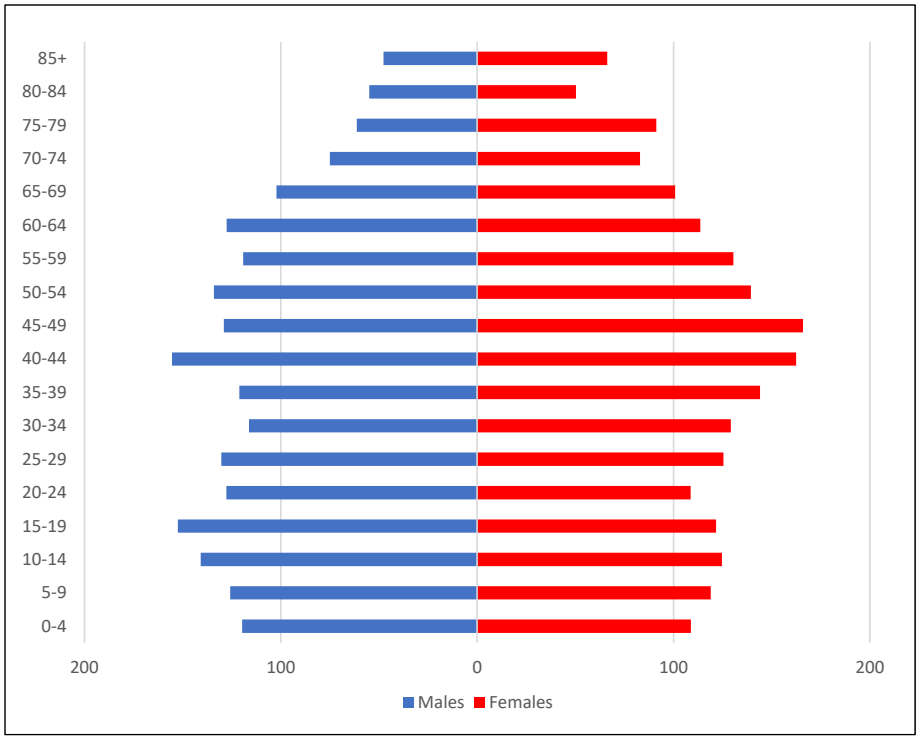
Malpass Corner Elementary School Population – 2010 Census



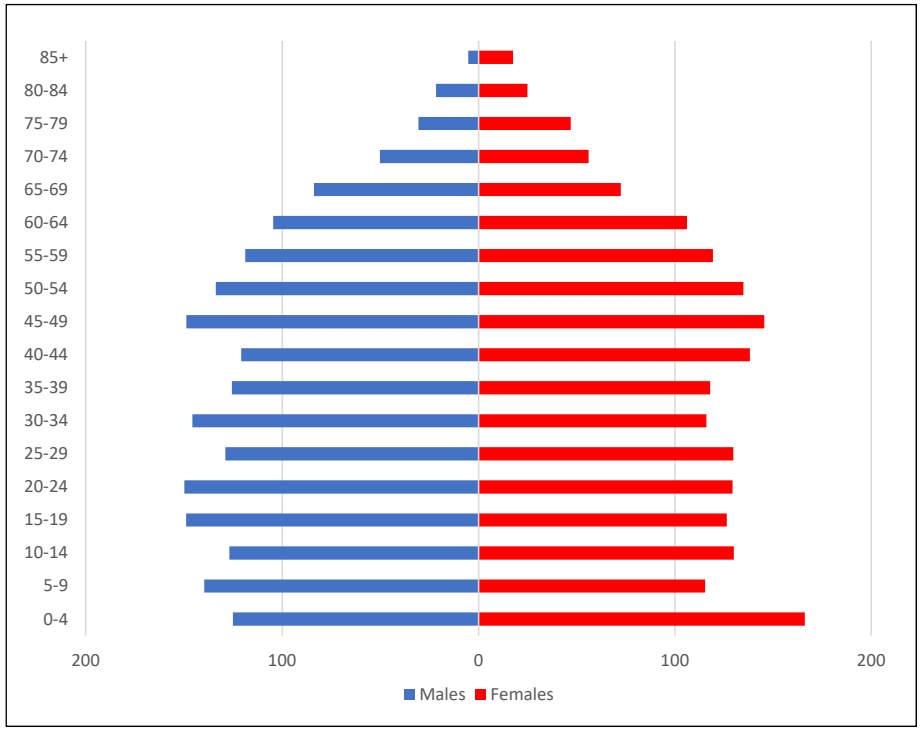
North Topsail Elementary School Population – 2010 Census



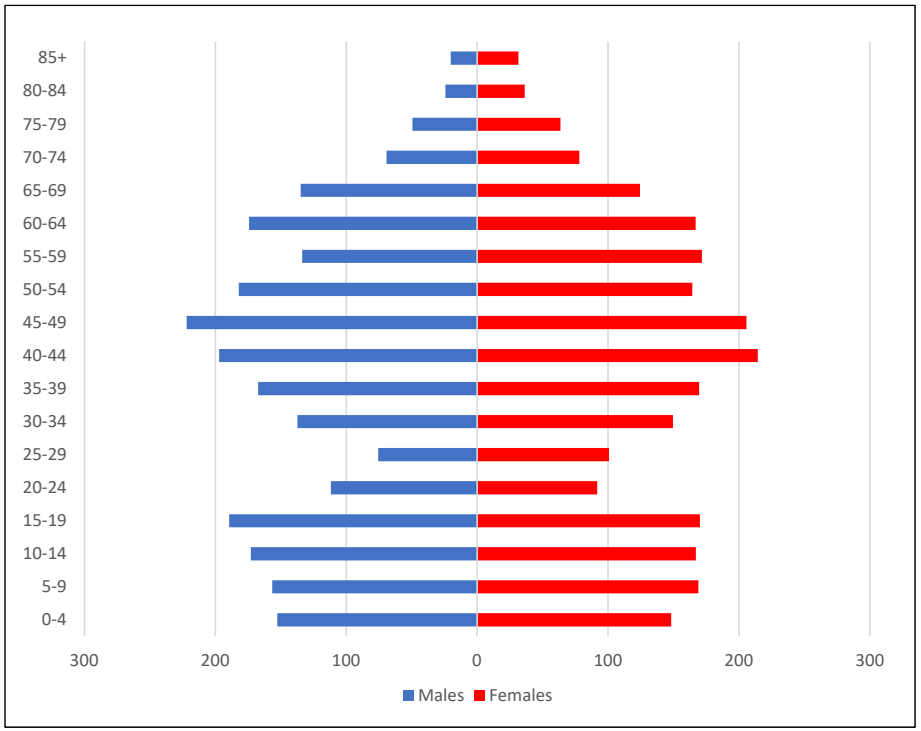
Penderlea Elementary School Population – 2010 Census



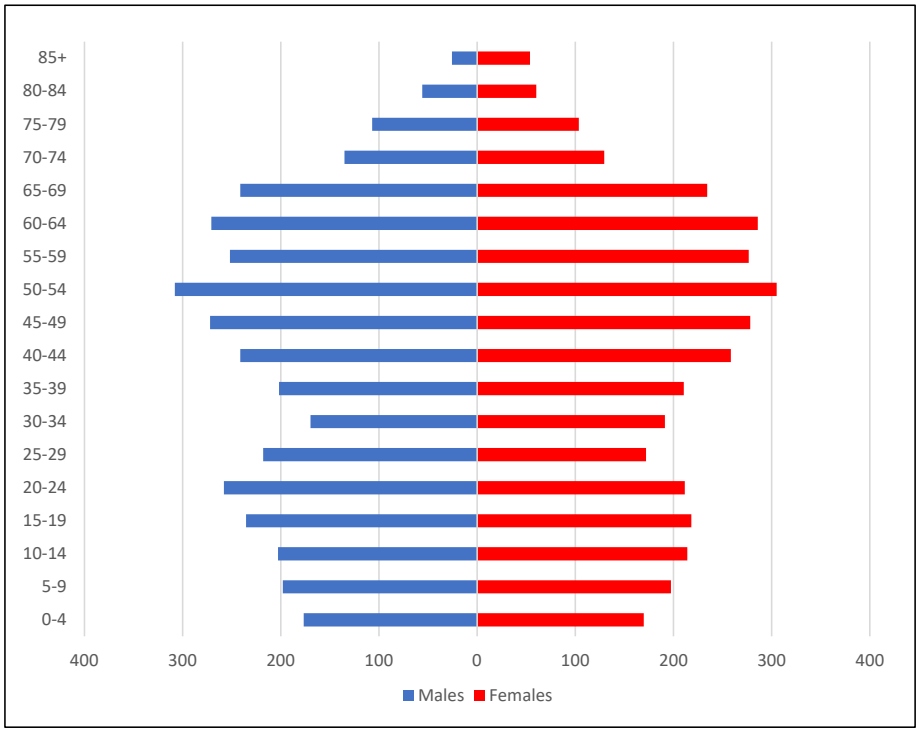
Rocky Point Elementary School Population – 2010 Census



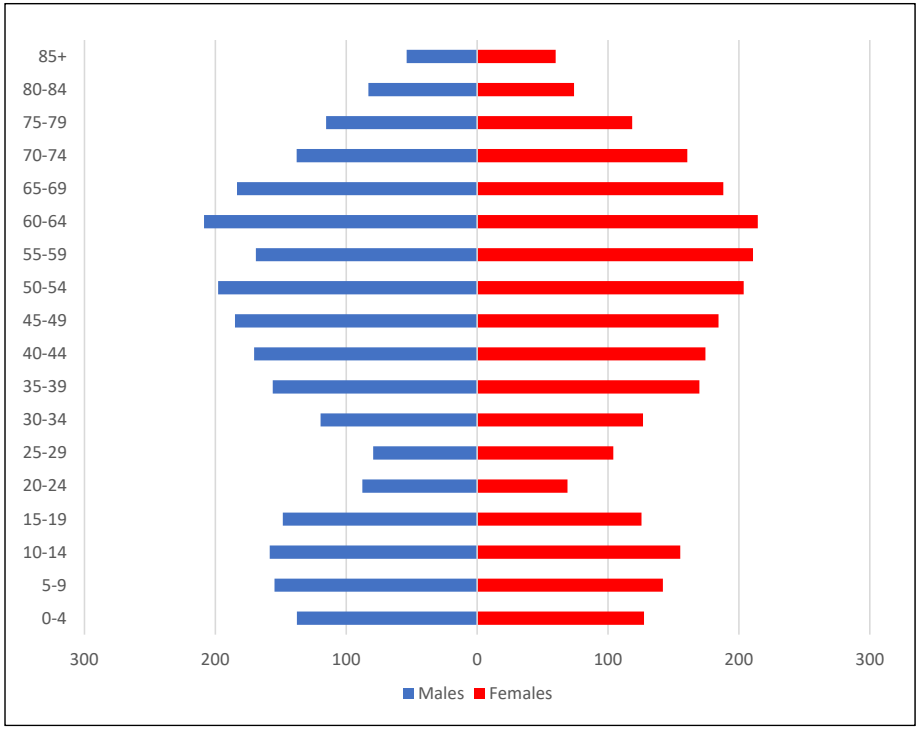
South Topsail Elementary School Population – 2010 Census



Surf City Elementary School Population – 2010 Census



Topsail Elementary School Population – 2010 Census

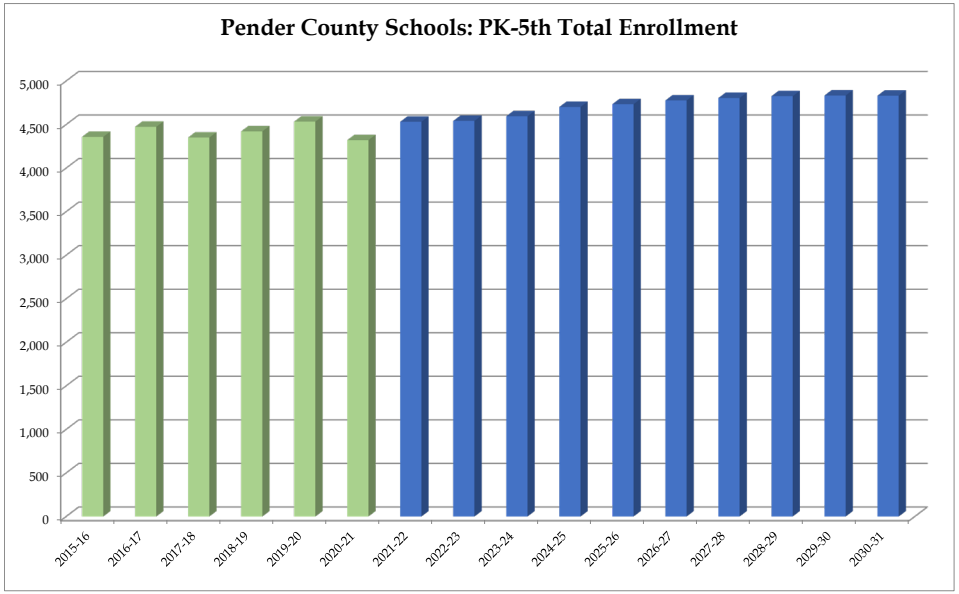


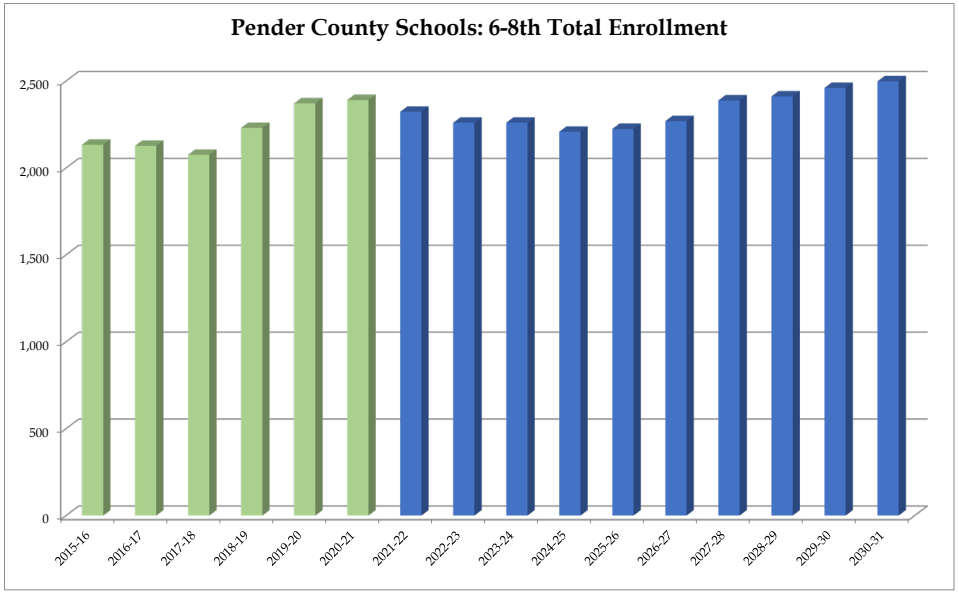
Appendix D: Enrollment Forecasts

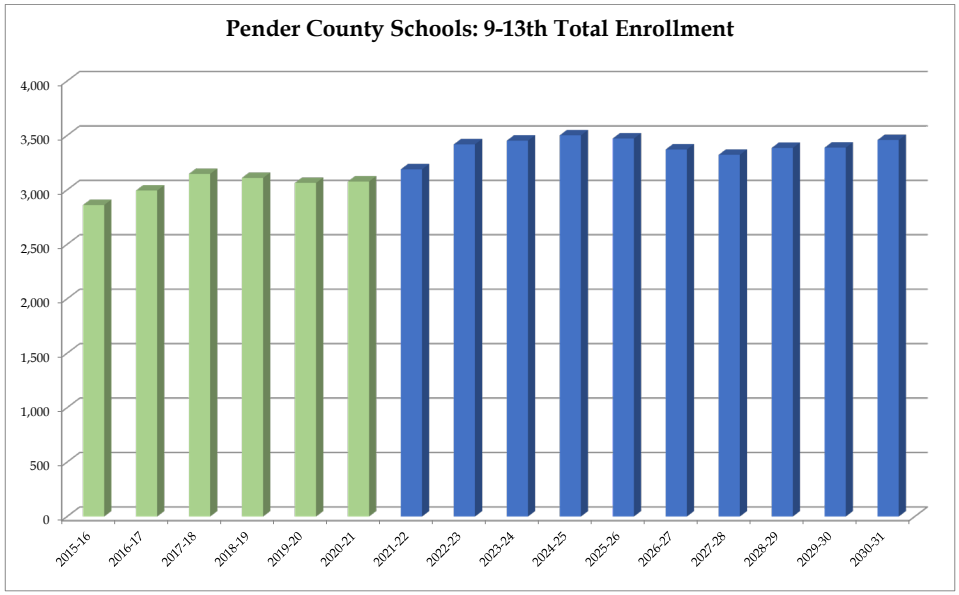
Pender County Schools: Total Enrollment

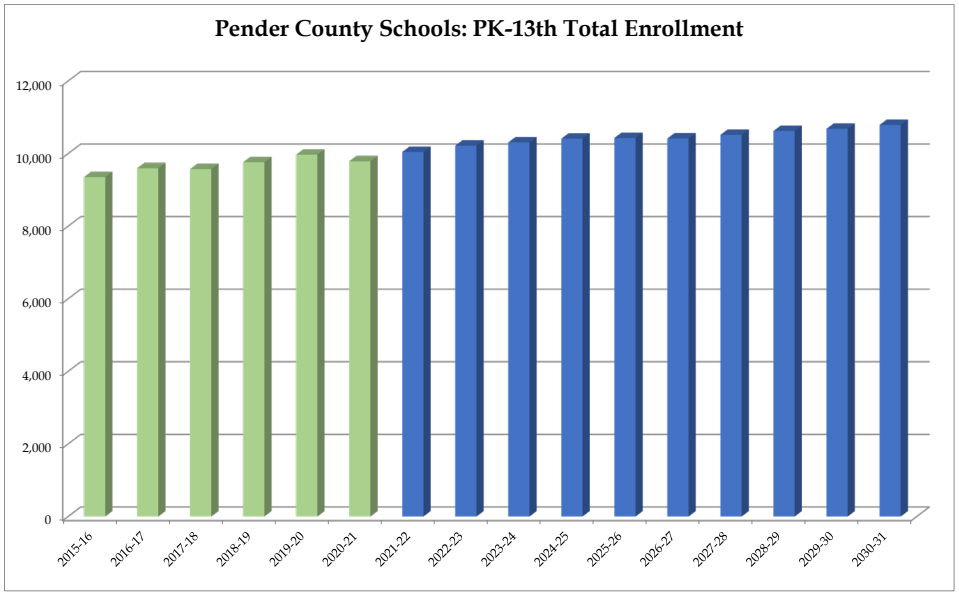
	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
PK	270	258	253	288	329	250	316	329	329	329	329	329	329	329	329	329
K	619	677	615	629	737	661	724	712	716	720	726	726	724	726	725	720
1	642	647	688	646	655	712	709	722	727	732	736	738	739	737	739	739
2	735	677	645	713	685	624	732	714	727	732	741	747	749	750	748	750
3	729	768	640	687	717	672	638	733	717	730	738	749	755	757	758	756
4	684	759	755	678	700	707	688	641	736	720	737	745	757	763	765	766
5	680	688	755	781	711	695	725	691	644	739	727	743	752	764	770	772
Elementary Total	**4359**	**4474**	**4351**	**4422**	**4534**	**4321**	**4532**	**4542**	**4596**	**4702**	**4734**	**4777**	**4805**	**4826**	**4834**	**4832**
6	610	703	700	773	815	722	731	760	725	676	781	770	790	802	817	826
7	760	642	729	705	817	831	742	747	778	741	691	798	788	809	821	837
8	763	782	646	752	739	837	850	753	757	791	752	701	810	800	822	835
Middle School Total	**2133**	**2127**	**2075**	**2230**	**2371**	**2390**	**2323**	**2260**	**2260**	**2208**	**2224**	**2269**	**2388**	**2411**	**2460**	**2498**
9	837	843	848	717	815	809	944	964	857	863	906	860	805	920	911	935
10	742	795	814	827	681	790	778	906	927	823	828	872	828	773	884	875
11	649	718	770	774	790	676	768	763	889	911	808	814	858	814	761	868
12	599	605	693	763	745	789	666	752	746	871	897	792	798	845	799	747
13	34	33	22	29	33	13	33	33	33	33	33	33	33	33	33	33
High School Total	**2861**	**2994**	**3147**	**3110**	**3064**	**3077**	**3189**	**3418**	**3452**	**3501**	**3472**	**3371**	**3322**	**3385**	**3388**	**3458**
Total Enrollment	**9353**	**9595**	**9573**	**9762**	**9969**	**9788**	**10044**	**10220**	**10308**	**10411**	**10430**	**10417**	**10515**	**10622**	**10682**	**10788**
Total: All Grades	**9353**	**9595**	**9573**	**9762**	**9969**	**9788**	**10044**	**10220**	**10308**	**10411**	**10430**	**10417**	**10515**	**10622**	**10682**	**10788**
Change		242	-22	189	207	-181	256	176	88	103	19	-13	98	107	60	106
Percent Change		2.6%	-0.2%	2.0%	2.1%	-1.8%	2.6%	1.8%	0.9%	1.0%	0.2%	-0.1%	0.9%	1.0%	0.6%	1.0%
Total: Elementary	**4359**	**4474**	**4351**	**4422**	**4534**	**4321**	**4532**	**4542**	**4596**	**4702**	**4734**	**4777**	**4805**	**4826**	**4834**	**4832**
Change		115	-123	71	112	-213	211	10	54	106	32	43	28	21	8	-2
Percent Change		2.6%	-2.7%	1.6%	2.5%	-4.7%	4.9%	0.2%	1.2%	2.3%	0.7%	0.9%	0.6%	0.4%	0.2%	0.0%
Total: Middle School	**2133**	**2127**	**2075**	**2230**	**2371**	**2390**	**2323**	**2260**	**2260**	**2208**	**2224**	**2269**	**2388**	**2411**	**2460**	**2498**
Change		-6	-52	155	141	19	-67	-63	0	-52	16	45	119	23	49	38
Percent Change		-0.3%	-2.4%	7.5%	6.3%	0.8%	-2.8%	-2.7%	0.0%	-2.3%	0.7%	2.0%	5.2%	1.0%	2.0%	1.5%
Total: High School	**2861**	**2994**	**3147**	**3110**	**3064**	**3077**	**3189**	**3418**	**3452**	**3501**	**3472**	**3371**	**3322**	**3385**	**3388**	**3458**
Change		133	153	-37	-46	13	112	229	34	49	-29	-101	-49	63	3	70
Percent Change		4.6%	5.1%	-1.2%	-1.5%	0.4%	3.6%	6.7%	0.1%	0.8%	-1.8%	-2.8%	-1.2%	2.4%	0.8%	1.9%

Forecasts developed July 2021
Green cells (2020-2021 and earlier) are historical data
Blue cells (2021-2022 and later) are forecasted years


Pender County Schools: PK-5th Total Enrollment
5,000
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
2015-16
2016-17
2017-18
2018-19
2019-20
2020-21
2021-22
2022-23
2023-24
2024-25
2025-26
2026-27
2027-28
2028-29
2029-30
2030-31


Pender County Schools: 6-8th Total Enrollment
2,500
2,000
1,500
1,000
500
0
2015-16
2016-17
2017-18
2018-19
2019-20
2020-21
2021-22
2022-23
2023-24
2024-25
2025-26
2026-27
2027-28
2028-29
2029-30
2030-31


Pender County Schools: 9-13th Total Enrollment
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
2015-16
2016-17
2017-18
2018-19
2019-20
2020-21
2021-22
2022-23
2023-24
2024-25
2025-26
2026-27
2027-28
2028-29
2029-30
2030-31

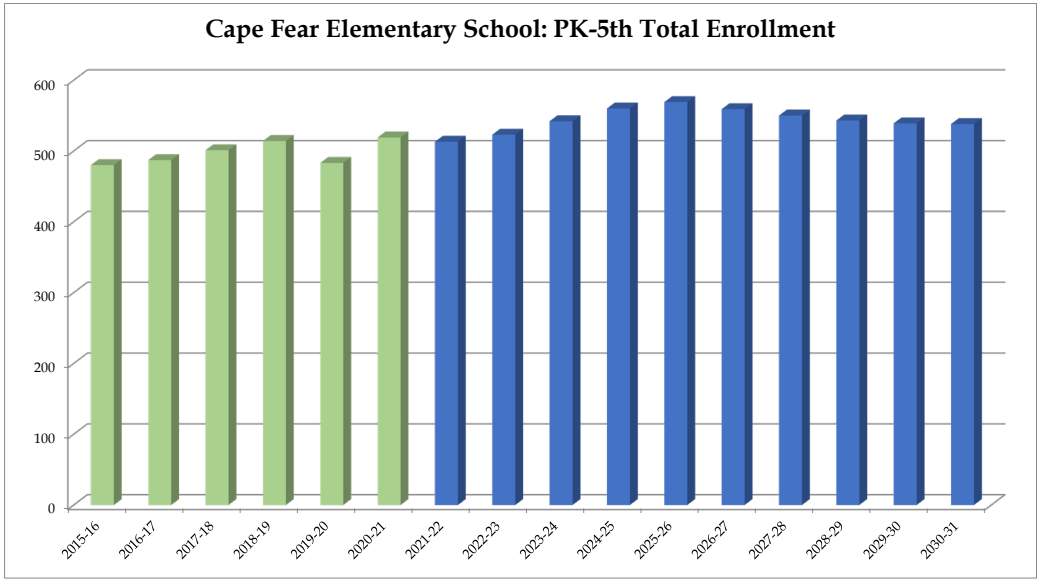

Pender County Schools: PK-13th Total Enrollment
12,000
10,000
8,000
6,000
4,000
2,000
0
2015-16
2016-17
2017-18
2018-19
2019-20
2020-21
2021-22
2022-23
2023-24
2024-25
2025-26
2026-27
2027-28
2028-29
2029-30
2030-31

Cape Fear Elementary School

	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
PK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
K	73	67	78	70	78	108	96	92	90	88	88	87	86	86	87	88
1	78	88	83	76	76	80	99	97	95	93	91	90	89	88	88	89
2	77	77	88	89	73	73	82	98	96	94	92	90	89	88	87	87
3	72	93	72	95	82	74	74	83	99	97	95	93	91	90	89	88
4	86	73	95	82	95	83	76	75	85	101	99	97	95	93	92	91
5	94	89	85	102	79	101	86	78	77	87	104	102	100	98	96	95
Total	**480**	**487**	**501**	**514**	**483**	**519**	**513**	**523**	**542**	**560**	**569**	**559**	**550**	**543**	**539**	**538**

Total: Elementary	**480**	**487**	**501**	**514**	**483**	**519**	**513**	**523**	**542**	**560**	**569**	**559**	**550**	**543**	**539**	**538**
Change		7	14	13	-31	36	-6	10	19	18	9	-10	-9	-7	-4	-1
Percent Change		1.5%	2.9%	2.6%	-6.0%	7.5%	-1.2%	1.9%	3.6%	3.3%	1.6%	-1.8%	-1.6%	-1.3%	-0.7%	-0.2%

Forecasts developed July 2021
Green cells (2020-2021 and earlier) are historical data
Blue cells (2021-2022 and later) are forecasted years

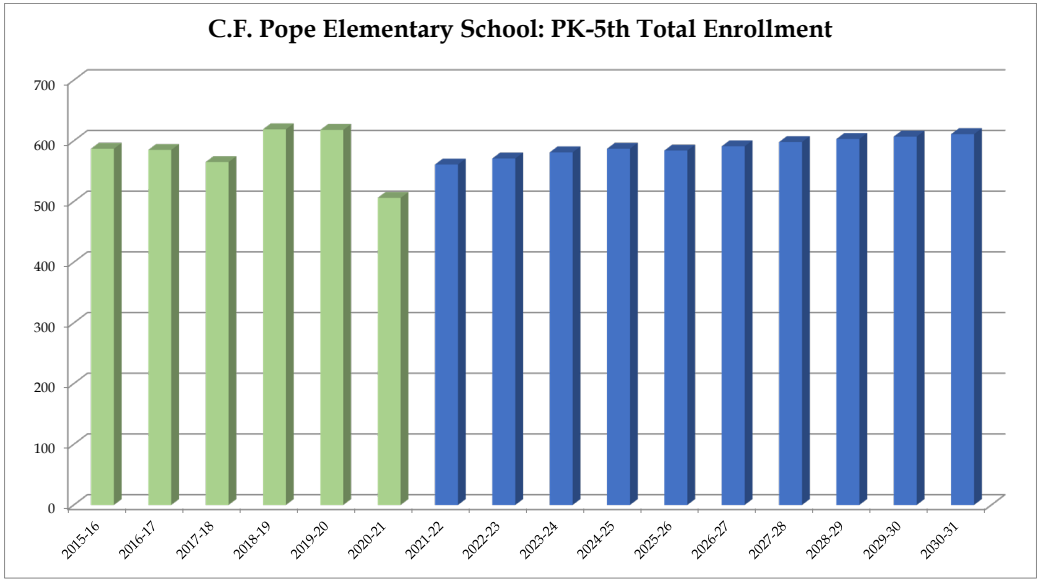


C.F. Pope Elementary School

	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
PK	61	38	35	82	99	72	95	99	99	99	99	99	99	99	99	99
K	96	92	86	81	96	68	85	85	86	87	87	87	88	88	89	90
1	91	90	85	81	80	87	77	79	81	82	83	84	84	85	85	86
2	92	100	89	89	81	74	90	78	80	82	84	85	86	86	87	87
3	90	89	101	92	72	69	75	88	76	78	80	82	83	84	84	85
4	84	95	85	104	90	68	70	74	87	75	77	79	81	82	83	83
5	73	81	84	90	100	68	69	68	72	84	74	75	77	79	80	81
Total	**587**	**585**	**565**	**619**	**618**	**506**	**561**	**571**	**581**	**587**	**584**	**591**	**598**	**603**	**607**	**611**

Total: Elementary	**587**	**585**	**565**	**619**	**618**	**506**	**561**	**571**	**581**	**587**	**584**	**591**	**598**	**603**	**607**	**611**
Change		-2	-20	54	-1	-112	55	10	10	6	-3	7	7	5	4	4
Percent Change		-0.3%	-3.4%	9.6%	-0.2%	-18.1%	10.9%	1.8%	1.8%	1.0%	-0.5%	1.2%	1.2%	0.8%	0.7%	0.7%

Forecasts developed July 2021
Green cells (2020-2021 and earlier) are historical data
Blue cells (2021-2022 and later) are forecasted years

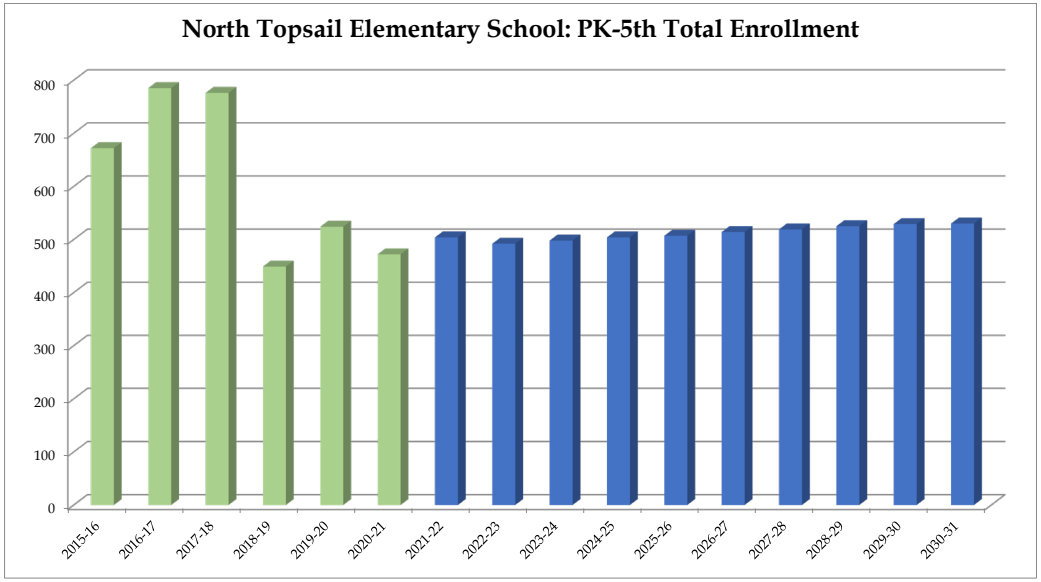


North Topsail Elementary School

	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
PK	43	42	27	43	54	40	51	54	54	54	54	54	54	54	54	54
K	100	119	115	70	85	62	76	75	76	77	77	78	78	79	79	78
1	84	106	118	62	81	70	71	73	73	74	75	75	76	76	77	77
2	121	112	113	73	70	68	73	72	74	74	75	77	77	78	78	79
3	123	141	93	72	88	68	71	74	73	75	75	77	79	79	80	80
4	101	148	158	58	72	88	71	72	75	74	76	76	78	80	80	81
5	100	117	152	71	74	76	91	72	73	76	75	77	77	79	81	81
Total	**672**	**785**	**776**	**449**	**524**	**472**	**504**	**492**	**498**	**504**	**507**	**514**	**519**	**525**	**529**	**530**

Total: Elementary	**672**	**785**	**776**	**449**	**524**	**472**	**504**	**492**	**498**	**504**	**507**	**514**	**519**	**525**	**529**	**530**
Change		113	-9	-327	75	-52	32	-12	6	6	3	7	5	6	4	1
Percent Change		16.8%	-1.1%	-42.1%	16.7%	-9.9%	6.8%	-2.4%	1.2%	1.2%	0.6%	1.4%	1.0%	1.2%	0.8%	0.2%

Forecasts developed July 2021
Green cells (2020-2021 and earlier) are historical data
Blue cells (2021-2022 and later) are forecasted years

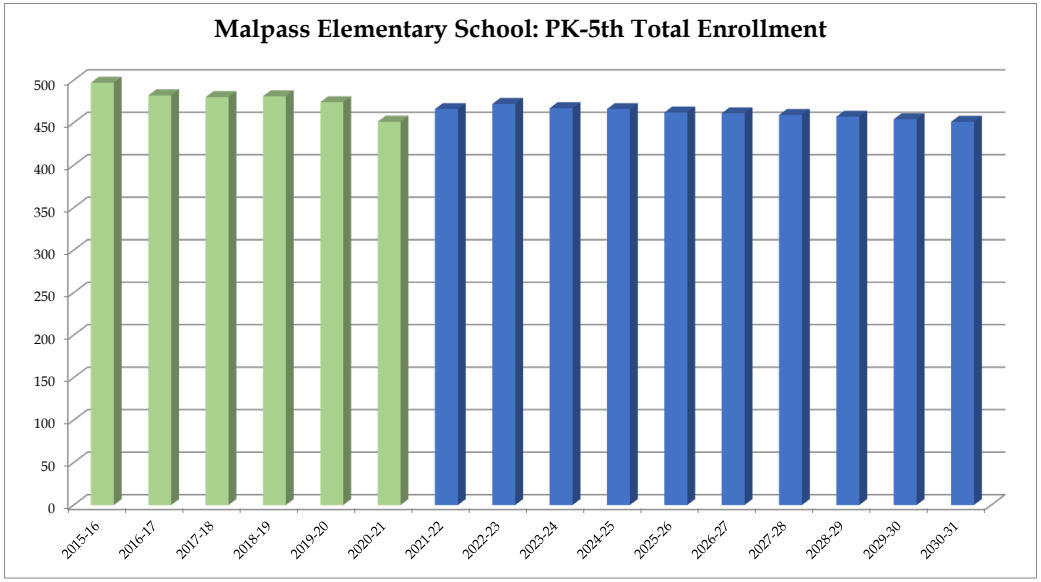


Malpass Corner Elementary School

	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
PK	45	46	64	68	75	67	74	75	75	75	75	75	75	75	75	75
K	61	73	67	79	68	63	68	67	67	66	66	65	65	64	64	63
1	81	65	68	69	71	71	69	69	68	68	67	67	66	66	65	65
2	82	68	61	65	68	65	70	66	66	65	66	65	65	64	64	63
3	81	82	68	65	64	68	64	69	65	65	64	65	64	64	63	63
4	72	81	78	68	61	55	67	62	67	63	64	63	64	63	63	62
5	75	67	74	67	67	62	54	64	59	64	60	61	60	61	60	60
Total	**497**	**482**	**480**	**481**	**474**	**451**	**466**	**472**	**467**	**466**	**462**	**461**	**459**	**457**	**454**	**451**

Total: Elementary	**497**	**482**	**480**	**481**	**474**	**451**	**466**	**472**	**467**	**466**	**462**	**461**	**459**	**457**	**454**	**451**
Change		-15	-2	1	-7	-23	15	6	-5	-1	-4	-1	-2	-2	-3	-3
Percent Change		-3.0%	-0.4%	0.2%	-1.5%	-4.9%	3.3%	1.3%	-1.1%	-0.2%	-0.9%	-0.2%	-0.4%	-0.4%	-0.7%	-0.7%

Forecasts developed July 2021
Green cells (2020-2021 and earlier) are historical data
Blue cells (2021-2022 and later) are forecasted years

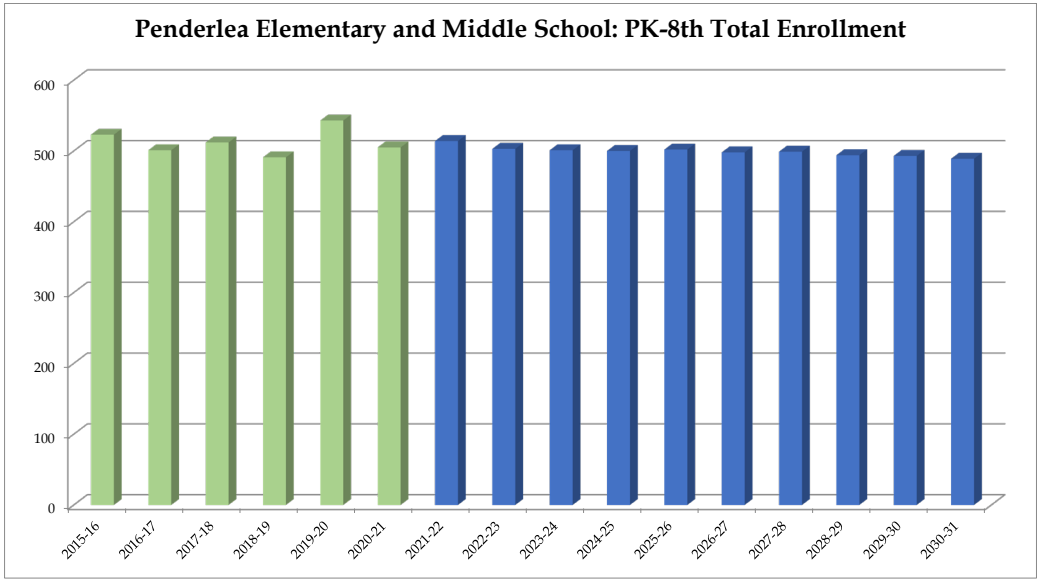


Penderlea Elementary and Middle School

	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
PK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
K	49	48	54	56	65	44	59	57	56	56	56	56	55	55	54	53
1	49	54	54	59	56	64	58	60	60	59	59	58	58	57	57	56
2	58	51	55	50	67	55	63	57	59	59	58	58	57	57	56	56
3	62	57	53	51	51	60	54	60	55	57	58	57	57	56	56	55
4	62	60	59	53	57	54	59	53	59	54	56	57	56	56	55	55
5	56	62	64	58	61	53	53	58	52	58	53	55	56	55	55	54
6	50	59	67	53	60	53	54	52	57	51	57	52	54	55	54	54
7	63	51	57	57	61	59	54	53	51	56	50	56	51	53	54	53
8	74	59	49	54	65	63	60	53	52	50	55	49	55	50	52	53
Total	**523**	**501**	**512**	**491**	**543**	**505**	**514**	**503**	**501**	**500**	**502**	**498**	**499**	**494**	**493**	**489**

Total: Elementary & MS	**523**	**501**	**512**	**491**	**543**	**505**	**514**	**503**	**501**	**500**	**502**	**498**	**499**	**494**	**493**	**489**
Change		-22	11	-21	52	-38	9	-11	-2	-1	2	-4	1	-5	-1	-4
Percent Change		-4.2%	2.2%	-4.1%	10.6%	-7.0%	1.8%	-2.1%	-0.4%	-0.2%	0.4%	-0.8%	0.2%	-1.0%	-0.2%	-0.8%

Forecasts developed July 2021
Green cells (2020-2021 and earlier) are historical data
Blue cells (2021-2022 and later) are forecasted years

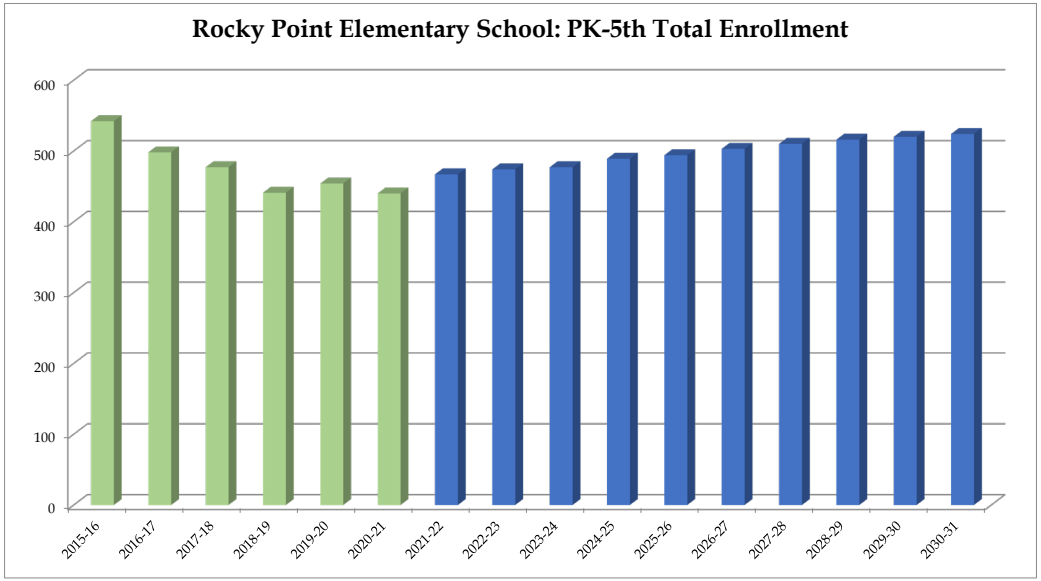


Rocky Point Elementary School

	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
PK	82	89	85	72	91	64	87	91	91	91	91	91	91	91	91	91
K	78	62	61	61	74	68	69	69	69	70	72	73	73	74	74	74
1	56	76	63	62	62	74	70	70	71	71	72	73	74	74	75	76
2	81	53	70	61	63	54	73	67	67	68	70	71	72	73	73	74
3	87	68	52	68	54	60	53	69	64	64	66	68	69	70	71	71
4	85	82	66	51	59	57	59	51	66	61	63	65	67	68	69	70
5	73	68	80	66	51	63	56	57	49	64	60	62	64	66	67	68
Total	**542**	**498**	**477**	**441**	**454**	**440**	**467**	**474**	**477**	**489**	**494**	**503**	**510**	**516**	**520**	**524**

Total: Elementary	**542**	**498**	**477**	**441**	**454**	**440**	**467**	**474**	**477**	**489**	**494**	**503**	**510**	**516**	**520**	**524**
Change		-44	-21	-36	13	-14	27	7	3	12	5	9	7	6	4	4
Percent Change		-8.1%	-4.2%	-7.5%	2.9%	-3.1%	6.1%	1.5%	0.6%	2.5%	1.0%	1.8%	1.4%	1.2%	0.8%	0.8%

Forecasts developed July 2021
Green cells (2020-2021 and earlier) are historical data
Blue cells (2021-2022 and later) are forecasted years

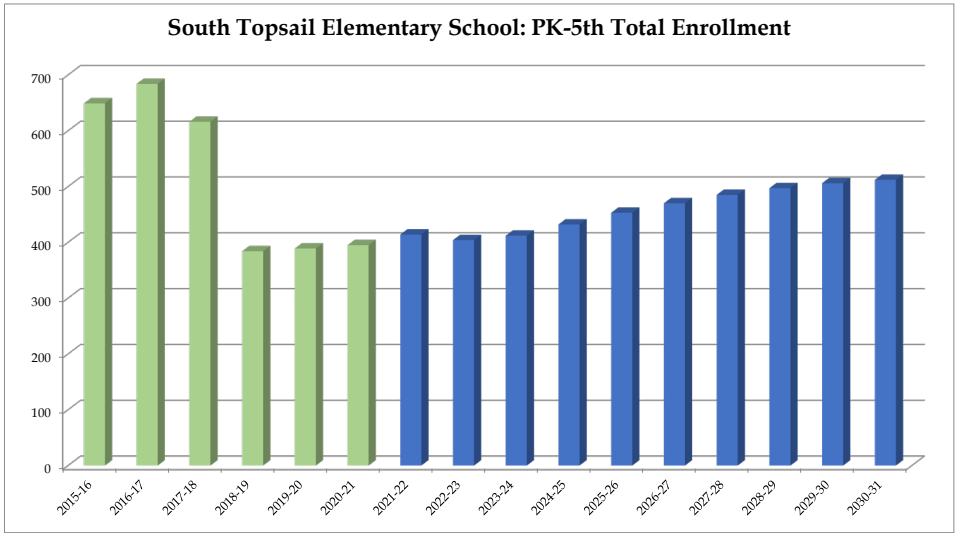


South Topsail Elementary School

	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
PK	6	7	11	10	10	7	9	10	10	10	10	10	10	10	10	10
K	89	121	82	46	56	54	65	63	65	67	71	71	72	73	74	73
1	117	96	107	50	51	62	63	66	68	71	73	75	76	77	78	79
2	119	122	90	67	56	54	66	66	69	71	75	77	80	81	82	83
3	106	124	110	56	74	65	58	68	68	71	75	79	81	84	85	86
4	103	106	111	81	65	79	69	60	70	70	75	79	83	85	88	89
5	109	108	105	74	77	74	84	71	62	72	74	79	83	87	89	92
Total	**649**	**684**	**616**	**384**	**389**	**395**	**414**	**404**	**412**	**432**	**453**	**470**	**485**	**497**	**506**	**512**

Total: Elementary	**649**	**684**	**616**	**384**	**389**	**395**	**414**	**404**	**412**	**432**	**453**	**470**	**485**	**497**	**506**	**512**
Change		35	-68	-232	5	6	19	-10	8	20	21	17	15	12	9	6
Percent Change		5.4%	-9.9%	-37.7%	1.3%	1.5%	4.8%	-2.4%	2.0%	4.9%	4.9%	3.8%	3.2%	2.5%	1.8%	1.2%

Forecasts developed July 2021
Green cells (2020-2021 and earlier) are historical data
Blue cells (2021-2022 and later) are forecasted years

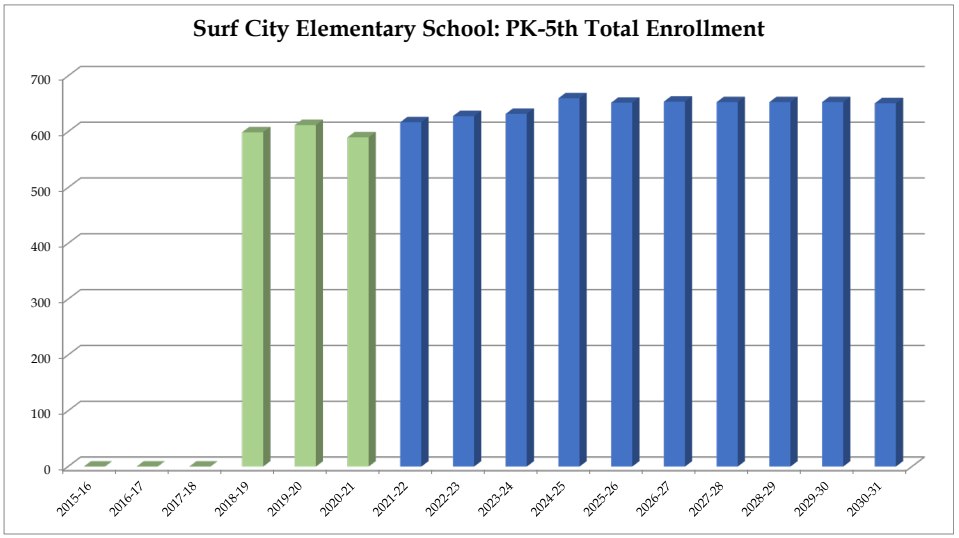


Surf City Elementary School

	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
PK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
K	0	0	0	78	114	92	102	101	102	103	105	105	104	104	103	102
1	0	0	0	93	82	106	99	103	104	105	106	107	107	106	106	105
2	0	0	0	112	103	83	111	103	107	108	107	108	109	109	108	108
3	0	0	0	90	116	107	87	115	107	111	110	109	110	111	111	110
4	0	0	0	82	101	101	112	90	118	110	112	111	110	111	112	112
5	0	0	0	144	96	101	106	116	94	123	112	114	113	112	113	114
Total	**0**	**0**	**0**	**599**	**612**	**590**	**617**	**628**	**632**	**660**	**652**	**654**	**653**	**653**	**653**	**651**

Total: Elementary	**0**	**0**	**0**	**599**	**612**	**590**	**617**	**628**	**632**	**660**	**652**	**654**	**653**	**653**	**653**	**651**
Change		0	0	599	13	-22	27	11	4	28	-8	2	-1	0	0	-2
Percent Change					2.2%	-3.6%	4.6%	1.8%	0.6%	4.4%	-1.2%	0.3%	-0.2%	0.0%	0.0%	-0.3%

Forecasts developed July 2021
Green cells (2020-2021 and earlier) are historical data
Blue cells (2021-2022 and later) are forecasted years

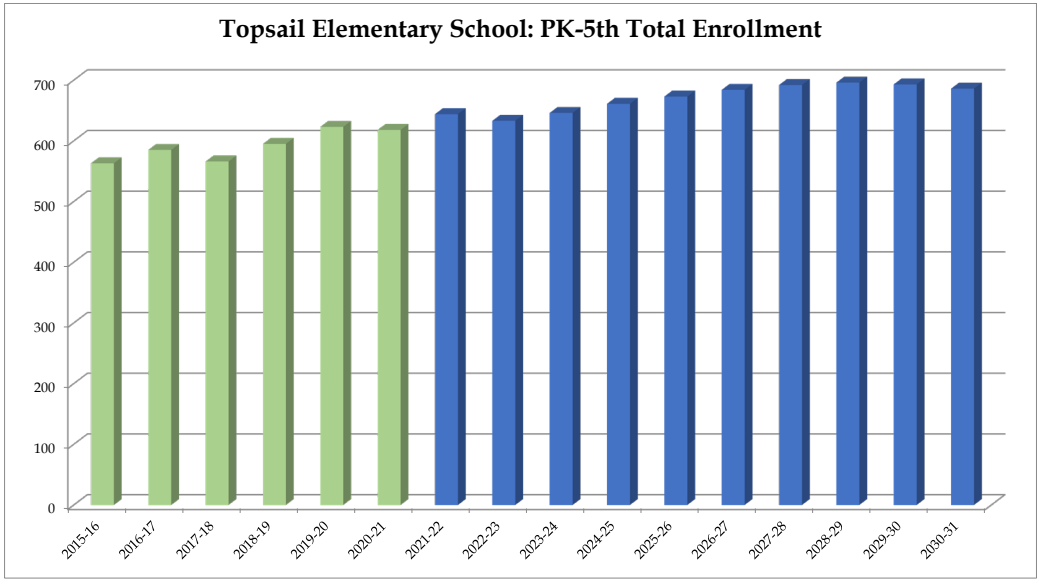


Topsail Elementary School

	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
PK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
K	73	95	72	88	101	102	104	103	105	106	104	104	103	103	101	99
1	86	72	110	94	96	98	103	105	107	109	110	109	109	108	108	106
2	105	94	79	107	104	98	104	107	109	111	114	116	114	114	113	113
3	108	114	91	98	116	101	102	107	110	112	115	119	121	119	119	118
4	91	114	103	99	100	122	105	104	109	112	115	118	123	125	123	123
5	100	96	111	109	106	97	126	107	106	111	115	118	122	127	129	127
Total	**563**	**585**	**566**	**595**	**623**	**618**	**644**	**633**	**646**	**661**	**673**	**684**	**692**	**696**	**693**	**686**

Total: Elementary	**563**	**585**	**566**	**595**	**623**	**618**	**644**	**633**	**646**	**661**	**673**	**684**	**692**	**696**	**693**	**686**
Change		22	-19	29	28	-5	26	-11	13	15	12	11	8	4	-3	-7
Percent Change		3.9%	-3.2%	5.1%	4.7%	-0.8%	4.2%	-1.7%	2.1%	2.3%	1.8%	1.6%	1.2%	0.6%	-0.4%	-1.0%

Forecasts developed July 2021
Green cells (2020-2021 and earlier) are historical data
Blue cells (2021-2022 and later) are forecasted years

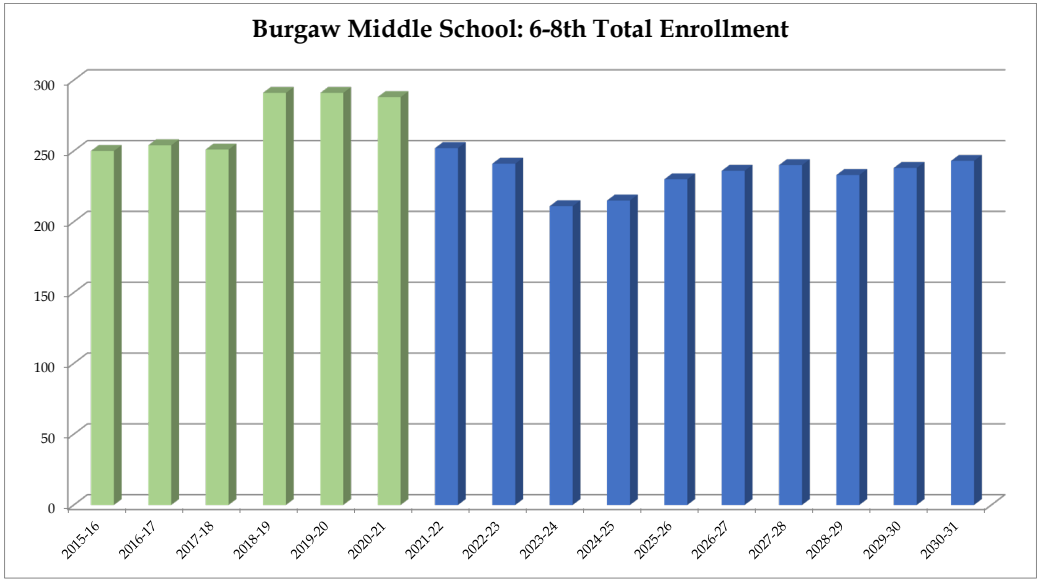


Burgaw Middle School

	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
6	67	78	94	104	85	98	69	70	69	73	85	75	76	78	80	81
7	89	79	87	98	103	81	99	70	71	70	74	86	76	77	79	81
8	94	97	70	89	103	109	84	101	71	72	71	75	88	78	79	81
Total	**250**	**254**	**251**	**291**	**291**	**288**	**252**	**241**	**211**	**215**	**230**	**236**	**240**	**233**	**238**	**243**

Total: Middle School	**250**	**254**	**251**	**291**	**291**	**288**	**252**	**241**	**211**	**215**	**230**	**236**	**240**	**233**	**238**	**243**
Change		4	-3	40	0	-3	-36	-11	-30	4	15	6	4	-7	5	5
Percent Change		1.6%	-1.2%	15.9%	0.0%	-1.0%	-12.5%	-4.4%	-12.4%	1.9%	7.0%	2.6%	1.7%	-2.9%	2.1%	2.1%

Forecasts developed July 2021
Green cells (2020-2021 and earlier) are historical data
Blue cells (2021-2022 and later) are forecasted years



Cape Fear Middle School

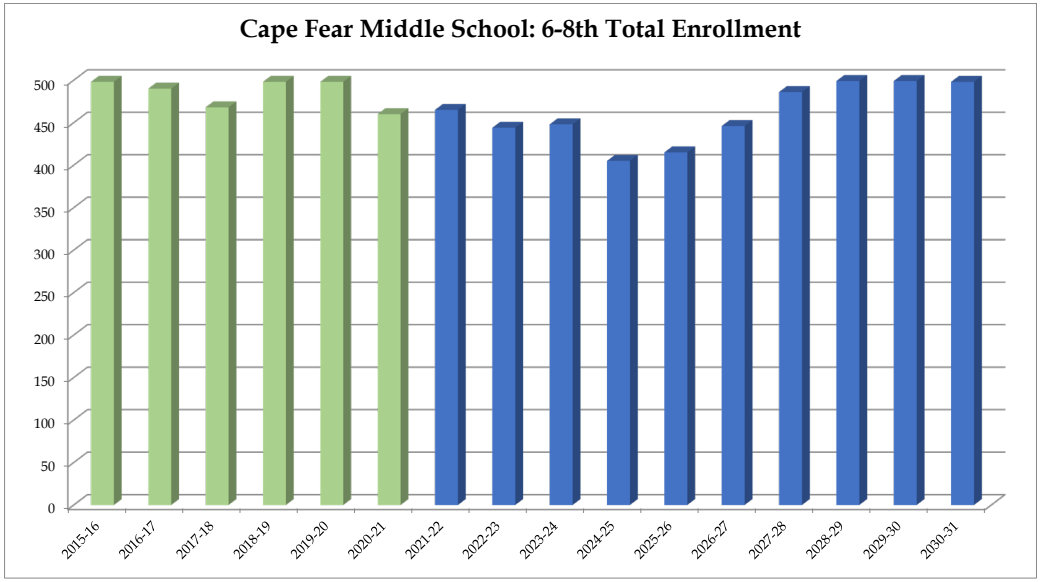
	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
6	146	166	165	162	168	132	169	143	136	127	153	166	166	166	166	165
7	178	142	168	171	163	165	133	171	144	137	128	155	168	168	168	168
8	174	182	135	165	167	163	163	130	168	141	134	125	152	165	165	165
Total	**498**	**490**	**468**	**498**	**498**	**460**	**465**	**444**	**448**	**405**	**415**	**446**	**486**	**499**	**499**	**498**

Total: Middle School	**498**	**490**	**468**	**498**	**498**	**460**	**465**	**444**	**448**	**405**	**415**	**446**	**486**	**499**	**499**	**498**
Change		-8	-22	30	0	-38	5	-21	4	-43	10	31	40	13	0	-1
Percent Change		-1.6%	-4.5%	6.4%	0.0%	-7.6%	1.1%	-4.5%	0.9%	-9.6%	2.5%	7.5%	9.0%	2.7%	0.0%	-0.2%

Forecasts developed July 2021

Green cells (2020-2021 and earlier) are historical data

Blue cells (2021-2022 and later) are forecasted years



Topsail Middle School

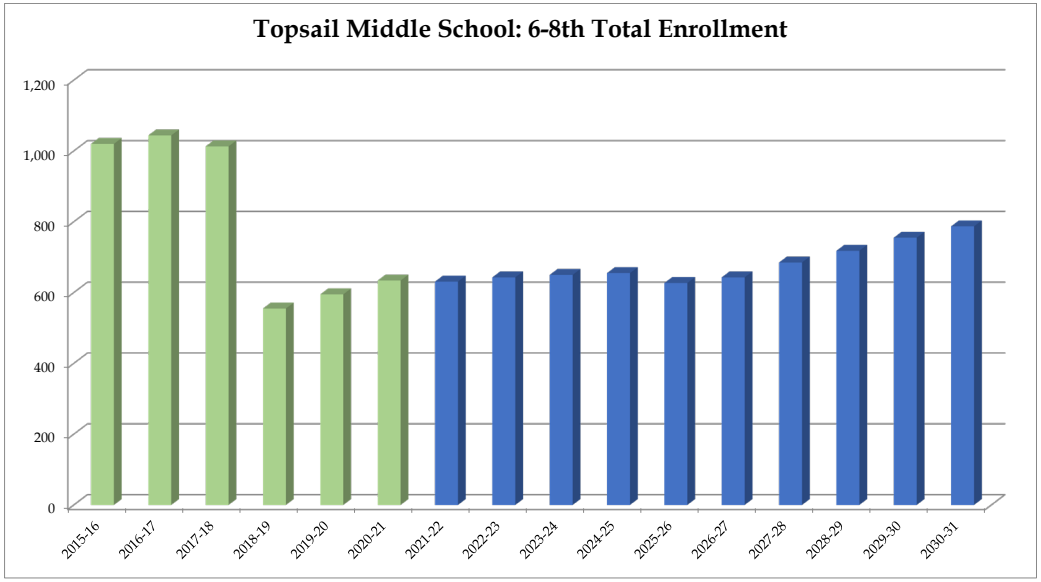
	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
6	302	338	314	179	212	193	186	231	198	188	207	215	227	238	250	257
7	362	323	356	161	203	229	205	197	245	210	199	219	228	241	252	265
8	356	383	343	215	180	212	240	215	207	257	221	209	230	239	253	265
Total	**1020**	**1044**	**1013**	**555**	**595**	**634**	**631**	**643**	**650**	**655**	**627**	**643**	**685**	**718**	**755**	**787**

Total: Middle School	**1020**	**1044**	**1013**	**555**	**595**	**634**	**631**	**643**	**650**	**655**	**627**	**643**	**685**	**718**	**755**	**787**
Change		24	-31	-458	40	39	-3	12	7	5	-28	16	42	33	37	32
Percent Change		2.4%	-3.0%	-45.2%	7.2%	6.6%	-0.5%	1.9%	1.1%	0.8%	-4.3%	2.6%	6.5%	4.8%	5.2%	4.2%

Forecasts developed July 2021

Green cells (2020-2021 and earlier) are historical data

Blue cells (2021-2022 and later) are forecasted years



Surf City Middle School

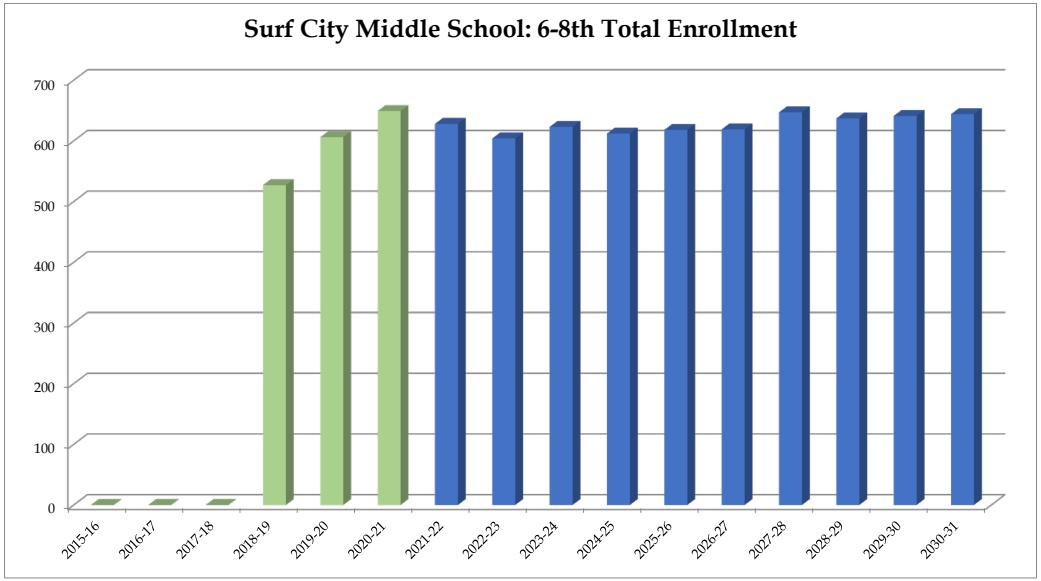
	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
6	0	0	0	205	230	186	193	213	205	182	219	206	210	209	210	213
7	0	0	0	158	213	240	190	197	217	209	186	223	210	214	213	214
8	0	0	0	164	163	223	245	194	201	221	213	190	227	214	218	217
Total	**0**	**0**	**0**	**527**	**606**	**649**	**628**	**604**	**623**	**612**	**618**	**619**	**647**	**637**	**641**	**644**

Total: Middle School	**0**	**0**	**0**	**527**	**606**	**649**	**628**	**604**	**623**	**612**	**618**	**619**	**647**	**637**	**641**	**644**
Change		0	0	527	79	43	-21	-24	19	-11	6	1	28	-10	4	3
Percent Change					15.0%	7.1%	-3.2%	-3.8%	3.1%	-1.8%	1.0%	0.2%	4.5%	-1.5%	0.6%	0.5%

Forecasts developed July 2021

Green cells (2020-2021 and earlier) are historical data

Blue cells (2021-2022 and later) are forecasted years

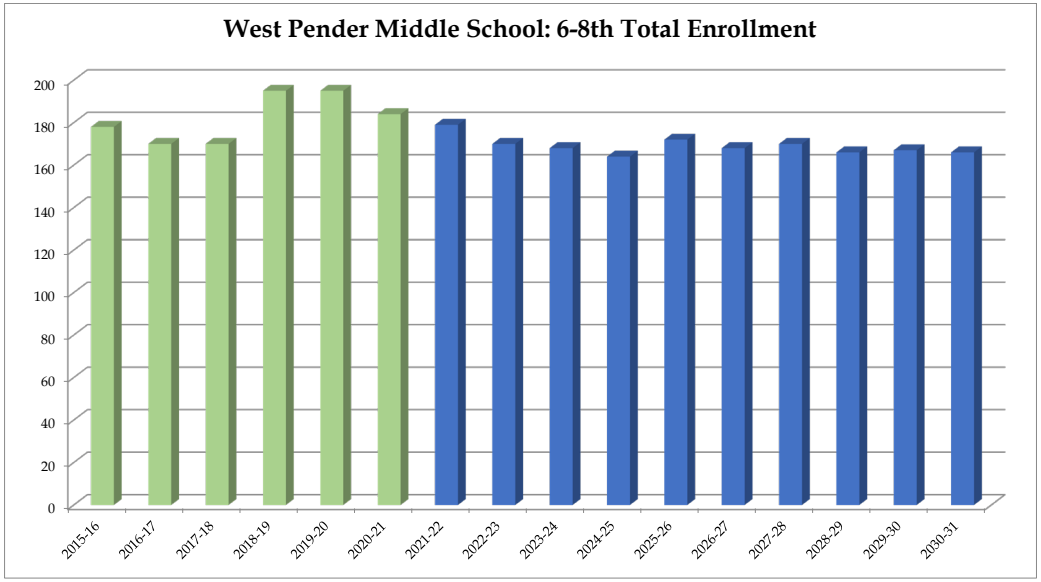


West Pender Middle School

	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
6	45	62	60	70	60	60	60	51	60	55	60	56	57	56	57	56
7	68	47	61	60	74	57	61	59	50	59	54	59	55	56	55	56
8	65	61	49	65	61	67	58	60	58	50	58	53	58	54	55	54
Total	**178**	**170**	**170**	**195**	**195**	**184**	**179**	**170**	**168**	**164**	**172**	**168**	**170**	**166**	**167**	**166**

Total: Middle School	**178**	**170**	**170**	**195**	**195**	**184**	**179**	**170**	**168**	**164**	**172**	**168**	**170**	**166**	**167**	**166**
Change		-8	0	25	0	-11	-5	-9	-2	-4	8	-4	2	-4	1	-1
Percent Change		-4.5%	0.0%	14.7%	0.0%	-5.6%	-2.7%	-5.0%	-1.2%	-2.4%	4.9%	-2.3%	1.2%	-2.4%	0.6%	-0.6%

Forecasts developed July 2021
Green cells (2020-2021 and earlier) are historical data
Blue cells (2021-2022 and later) are forecasted years

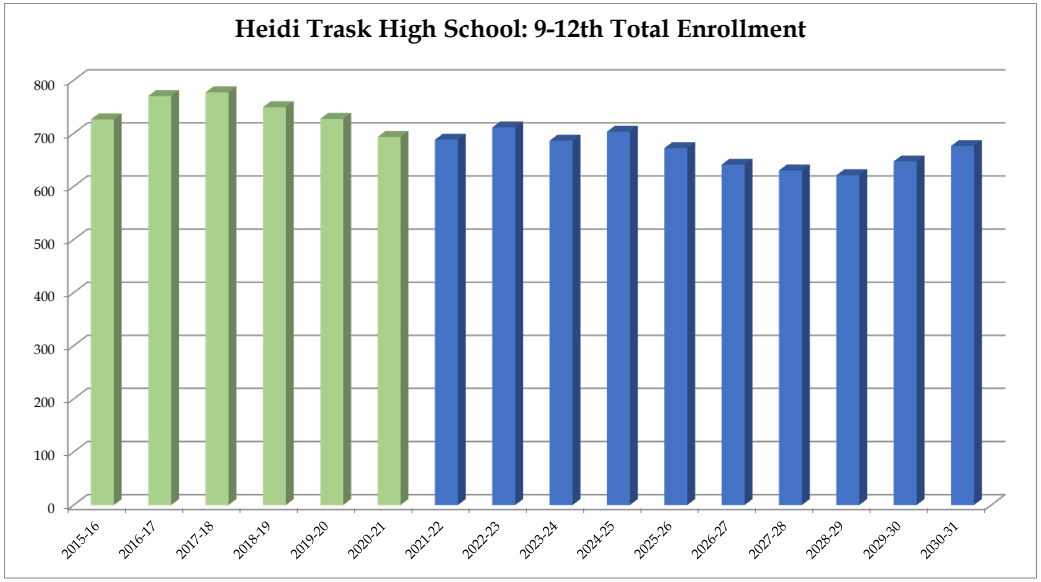


Heide Trask High School

	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
9	226	218	213	174	194	181	203	197	166	199	170	164	155	185	196	197
10	184	213	204	198	160	177	168	189	183	154	185	158	153	144	172	182
11	171	177	194	188	184	152	168	160	180	174	146	176	150	145	137	163
12	145	162	166	189	189	183	149	165	157	176	171	143	172	147	142	134
Total	**726**	**770**	**777**	**749**	**727**	**693**	**688**	**711**	**686**	**703**	**672**	**641**	**630**	**621**	**647**	**676**

Total: High School	**726**	**770**	**777**	**749**	**727**	**693**	**688**	**711**	**686**	**703**	**672**	**641**	**630**	**621**	**647**	**676**
Change		44	7	-28	-22	-34	-5	23	-25	17	-31	-31	-11	-9	26	29
Percent Change		6.1%	0.9%	-3.6%	-2.9%	-4.7%	-0.7%	3.3%	-3.5%	2.5%	-4.4%	-4.6%	-1.7%	-1.4%	4.2%	4.5%

Forecasts developed July 2021
Green cells (2020-2021 and earlier) are historical data
Blue cells (2021-2022 and later) are forecasted years

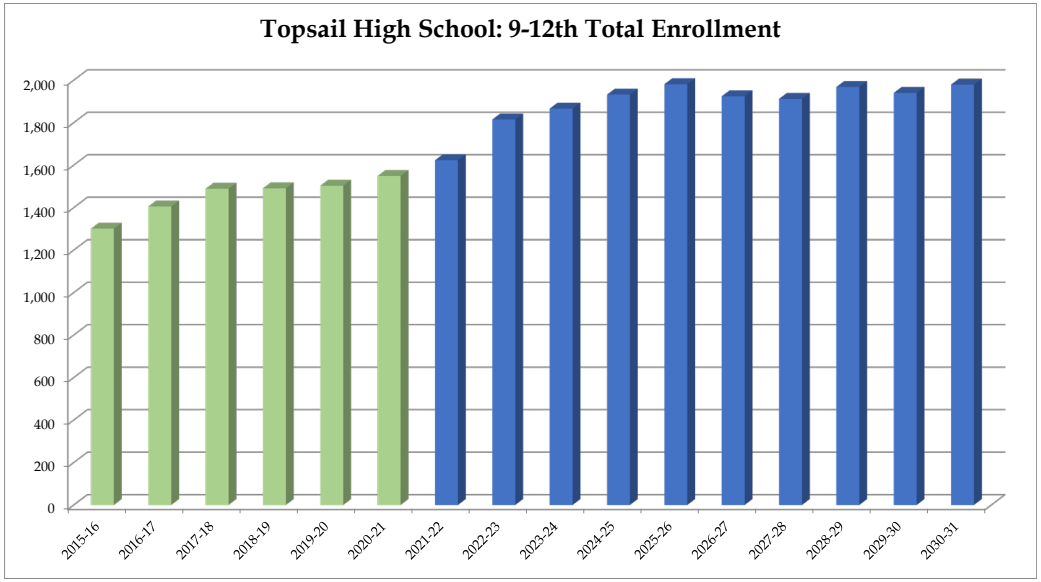


Topsail High School

	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
9	360	390	401	344	401	389	485	541	456	455	533	484	445	510	505	525
10	348	363	384	406	335	402	387	483	538	454	453	530	482	443	507	502
11	310	346	361	373	402	346	400	385	481	535	452	451	527	480	441	504
12	283	306	343	368	365	412	351	406	391	488	543	459	458	535	487	448
Total	**1301**	**1405**	**1489**	**1491**	**1503**	**1549**	**1623**	**1815**	**1866**	**1932**	**1981**	**1924**	**1912**	**1968**	**1940**	**1979**

Total: High School	**1301**	**1405**	**1489**	**1491**	**1503**	**1549**	**1623**	**1815**	**1866**	**1932**	**1981**	**1924**	**1912**	**1968**	**1940**	**1979**
Change		104	84	2	12	46	74	192	51	66	49	-57	-12	56	-28	39
Percent Change		8.0%	6.0%	0.1%	0.8%	3.1%	4.8%	11.8%	2.8%	3.5%	2.5%	-2.9%	-0.6%	2.9%	-1.4%	2.0%

Forecasts developed July 2021
Green cells (2020-2021 and earlier) are historical data
Blue cells (2021-2022 and later) are forecasted years

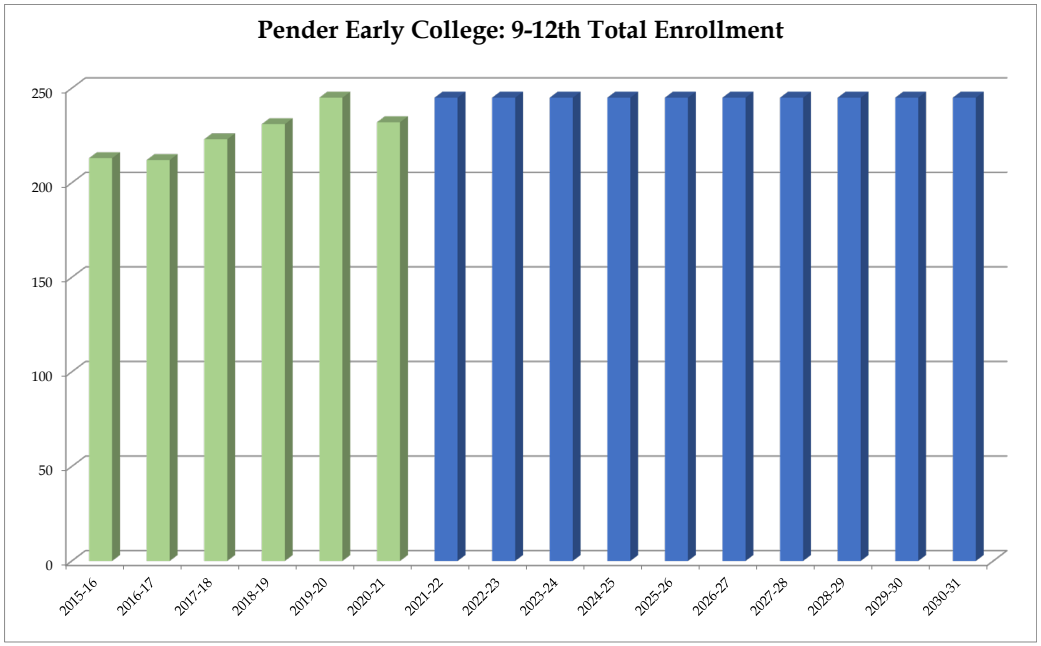


Pender Early College

	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
9	56	48	61	55	61	56	61	61	61	61	61	61	61	61	61	61
10	46	54	44	56	51	58	51	51	51	51	51	51	51	51	51	51
11	31	48	49	43	56	50	56	56	56	56	56	56	56	56	56	56
12	46	29	47	48	44	55	44	44	44	44	44	44	44	44	44	44
13	34	33	22	29	33	13	33	33	33	33	33	33	33	33	33	33
Total	**213**	**212**	**223**	**231**	**245**	**232**	**245**	**245**	**245**	**245**	**245**	**245**	**245**	**245**	**245**	**245**

Total: Early College	**213**	**212**	**223**	**231**	**245**	**232**	**245**	**245**	**245**	**245**	**245**	**245**	**245**	**245**	**245**	**245**
Change		-1	11	8	14	-13	13	0	0	0	0	0	0	0	0	0
Percent Change		-0.5%	5.2%	3.6%	6.1%	-5.3%	5.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

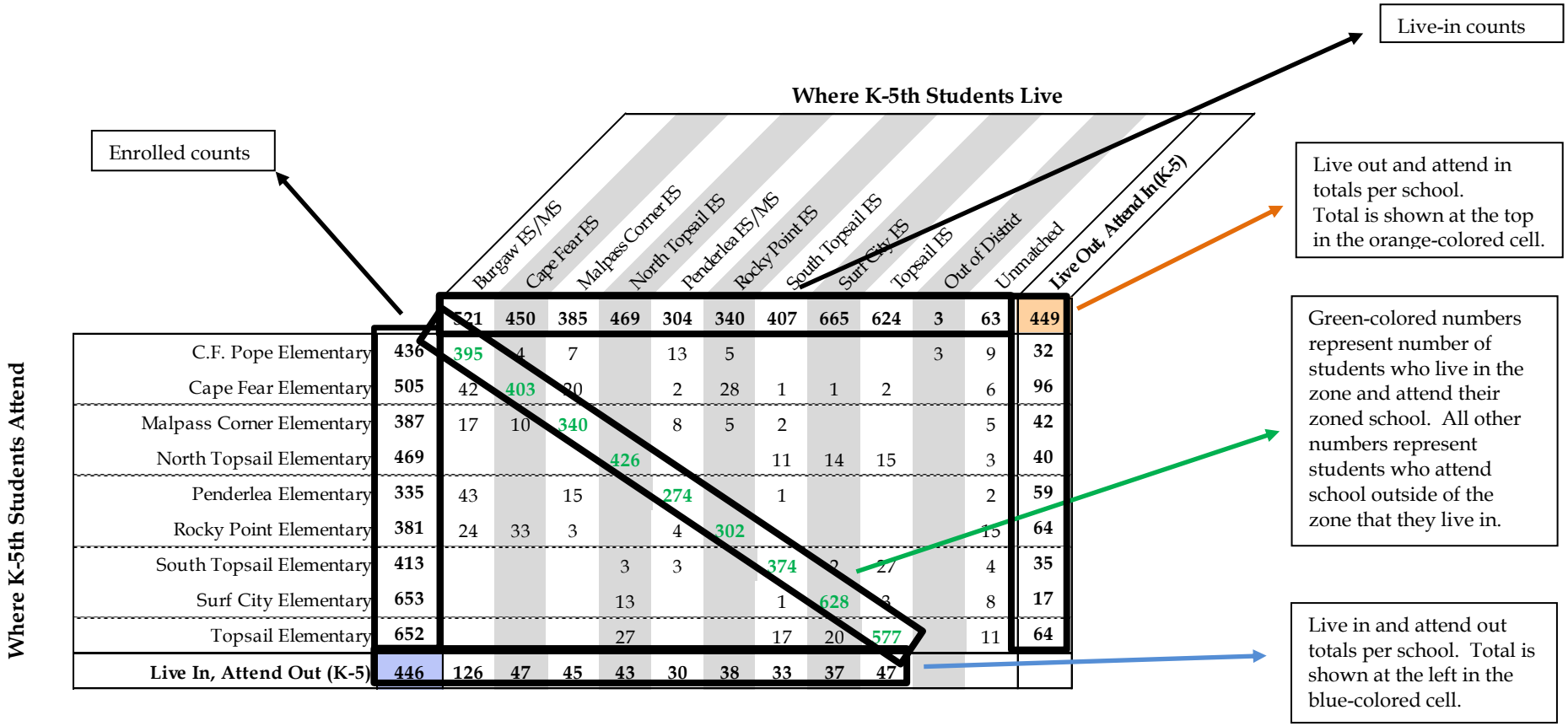
Forecasts developed July 2021
Green cells (2020-2021 and earlier) are historical data
Blue cells (2021-2022 and later) are forecasted years



Appendix E: Live Attend Tables

The following tables display where students live and attend relative to school zones. The schools of attendance are listed on the left while the zones are listed on the top. This student data is from Fall 2020 Pender County Schools student database.

The first column of numbers to the right of the schools of attendance represents the number of students enrolled at each given school. The first row of numbers below the zones represents the total number of students living inside of each given zone. The green-colored numbers represent number of students who attend the school of the zone in which they live. All other numbers represent students who attend school outside of the zone in which they live. The bottom row represents the number of students that "Live-In and Attend-Out" by school. The blue-colored cell shows the total number of students that "Live-in and Attend-Out". The farthest right column represents the number of students that "Live-Out and Attend-In" by school. The orange-colored cell shows the total number of students that "Live-Out and Attend-In".



Where K-5th Students Attend	Enrolled counts	Burgaw ES/MS	Cape Fear ES	Malpass Corner ES	North Topsail ES	Penderlea ES/MS	Rocky Point ES	South Topsail ES	Surf City ES	Topsail ES	Out of District	Unmatched	Live Out, Attend In (K-5)
		521	**450**	**385**	**469**	**304**	**340**	**407**	**665**	**624**	**3**	**63**	**449**
C.F. Pope Elementary	**436**	395	4	7		13	5				3	9	**32**
Cape Fear Elementary	**505**	42	403	30		2	28	1	1	2		6	**96**
Malpass Corner Elementary	**387**	17	10	340		8	5	2				5	**42**
North Topsail Elementary	**469**				426			11	14	15		3	**40**
Penderlea Elementary	**335**	43		15		274		1				2	**59**
Rocky Point Elementary	**381**	24	33	3		4	302					15	**64**
South Topsail Elementary	**413**				3	3		374	2	27		4	**35**
Surf City Elementary	**653**				13			1	628	3		8	**17**
Topsail Elementary	**652**				27			17	20	577		11	**64**
Live In, Attend Out (K-5)	**446**	**126**	**47**	**45**	**43**	**30**	**38**	**33**	**37**	**47**			

Where K-5th Students Live

Where K-5th Students Attend		Burgaw ES/MS	Cape Fear ES	Malpass Corner ES	North Topsail ES	Penderlea ES/MS	Rocky Point ES	South Topsail ES	Surf City ES	Topsail ES	Out of District	Unmatched	Live Out, Attend In(K-5)
		521	450	385	469	304	340	407	665	624	3	63	449
C.F. Pope Elementary	436	395	4	7		13	5				3	9	32
Cape Fear Elementary	505	42	403	20		2	28	1	1	2		6	96
Malpass Corner Elementary	387	17	10	340		8	5	2				5	42
North Topsail Elementary	469				426			11	14	15		3	40
Penderlea Elementary	335	43		15		274		1				2	59
Rocky Point Elementary	381	24	33	3		4	302					15	64
South Topsail Elementary	413				3	3		374	2	27		4	35
Surf City Elementary	653				13			1	628	3		8	17
Topsail Elementary	652				27			17	20	577		11	64
Live In, Attend Out (K-5)	**446**	**126**	**47**	**45**	**43**	**30**	**38**	**33**	**37**	**47**			

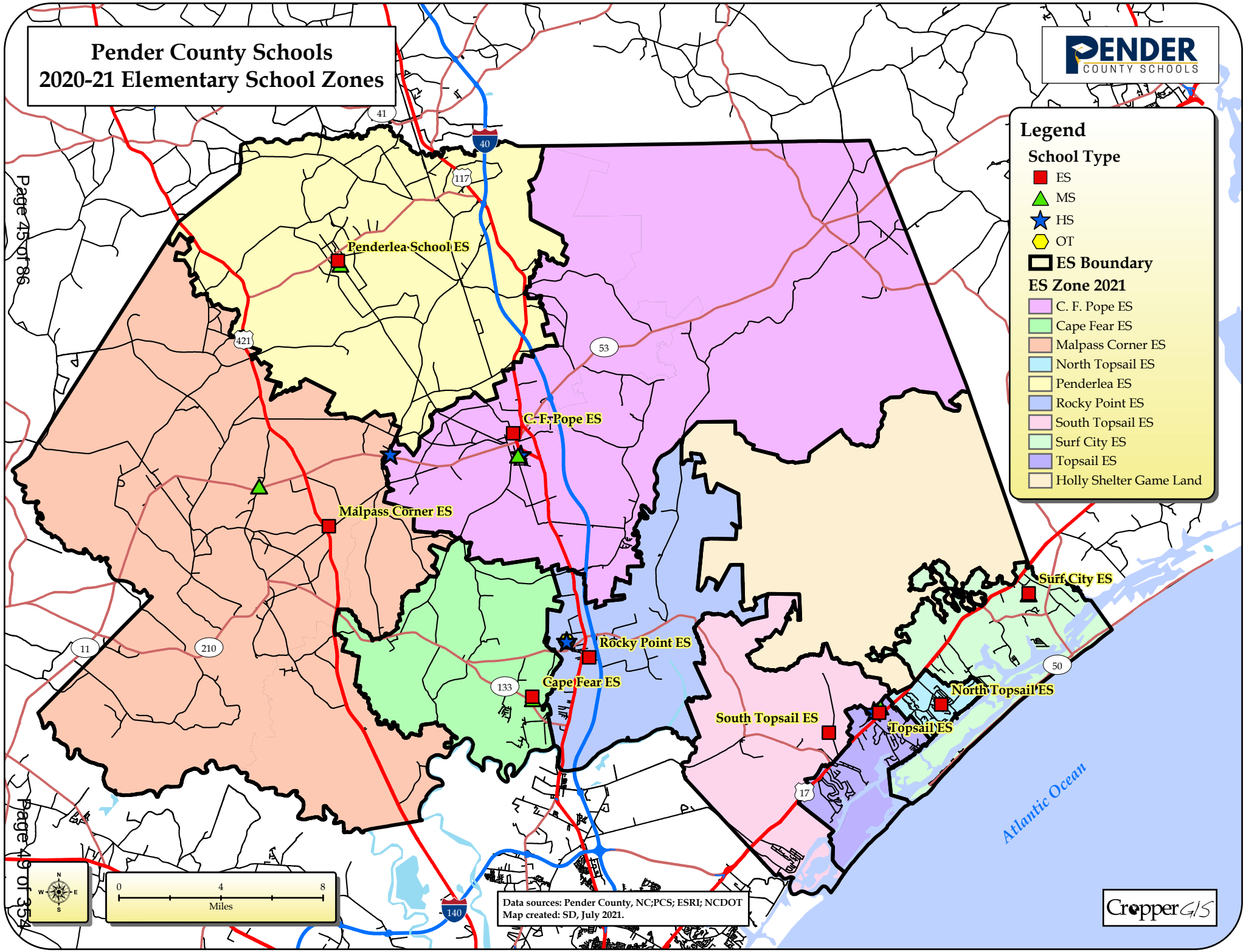
Where 6-8th Students Live

Where 6-8th Students Attend		Burgaw ES/MS	Cape Fear MS	Penderlea ES/MS	Surf City MS	Topsail MS	West Pender MS	Out of District	Unmatched	Live Out, Attend In(6-8)
		322	415	155	681	599	208	0	32	158
Burgaw Middle	282	250	18	5			9		4	28
Cape Fear Middle	452	47	390	3		2	10		11	51
Penderlea Elementary	176	21	1	147			7		1	28
Surf City Middle	645				635	10			7	3
Topsail Middle	640	1	5		46	587	1		8	45
West Pender Middle	185	3	1				181		1	3
Live In, Attend Out (6-8)	**190**	**72**	**25**	**8**	**46**	**12**	**27**			

Where 9-12th Students Live

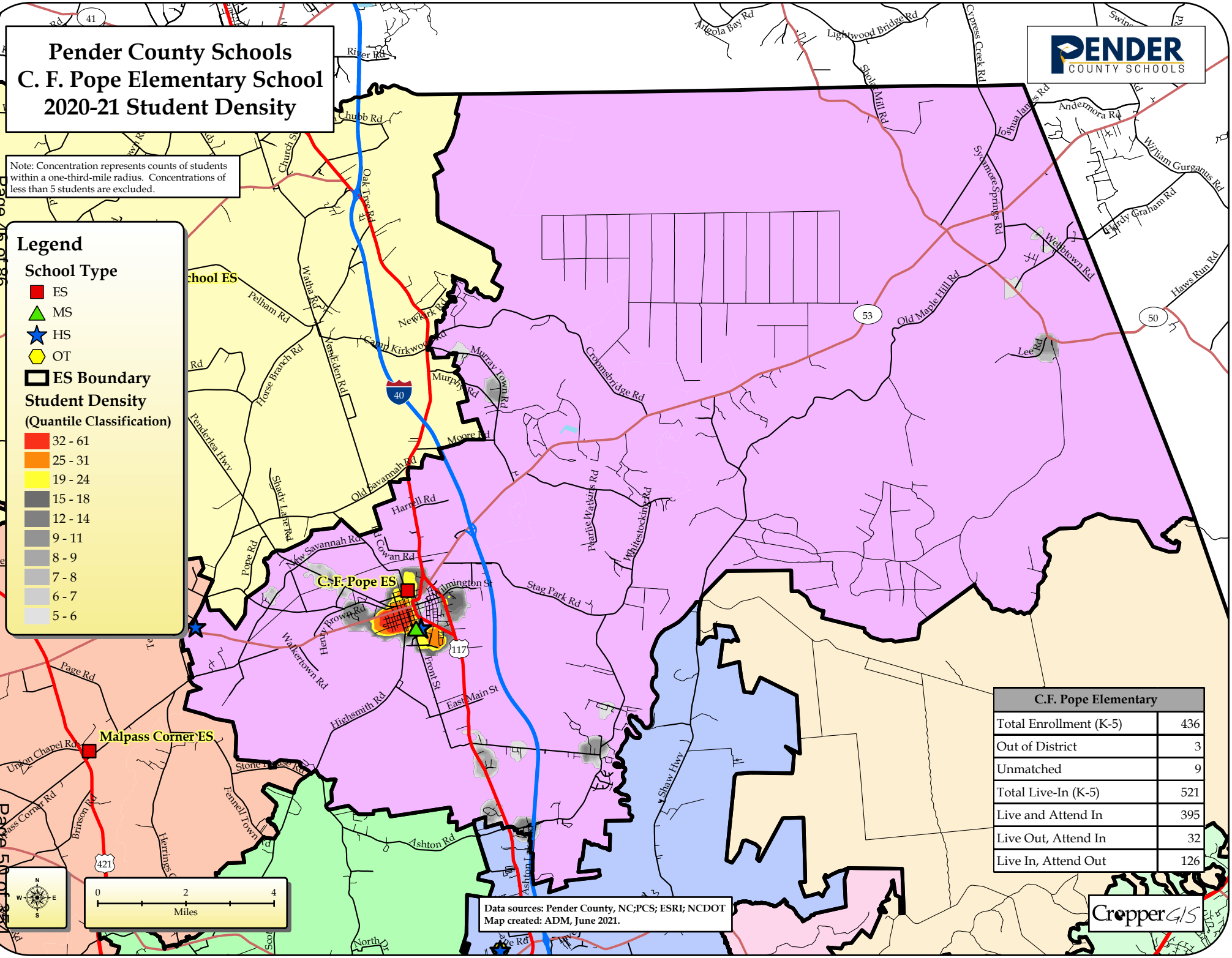
Where 9-12th Students Attend		Heide Trask HS	Pender HS	Topsail HS	Out of District	Unmatched	Live Out, Attend In(9-12)
		619	704	1518	2	27	312
Heide Trask High	631	551	68	4		8	72
Pender High	562	12	541	2		7	14
Topsail High	1460	2	5	1439	2	12	9
Pender Early College High	217	54	90	73			217
Live In, Attend Out (9-12)	**310**	**68**	**163**	**79**			

Pender County Schools
2020-21 Elementary School Zones



Pender County Schools
C. F. Pope Elementary School
2020-21 Student Density

Note: Concentration represents counts of students within a one-third-mile radius. Concentrations of less than 5 students are excluded.

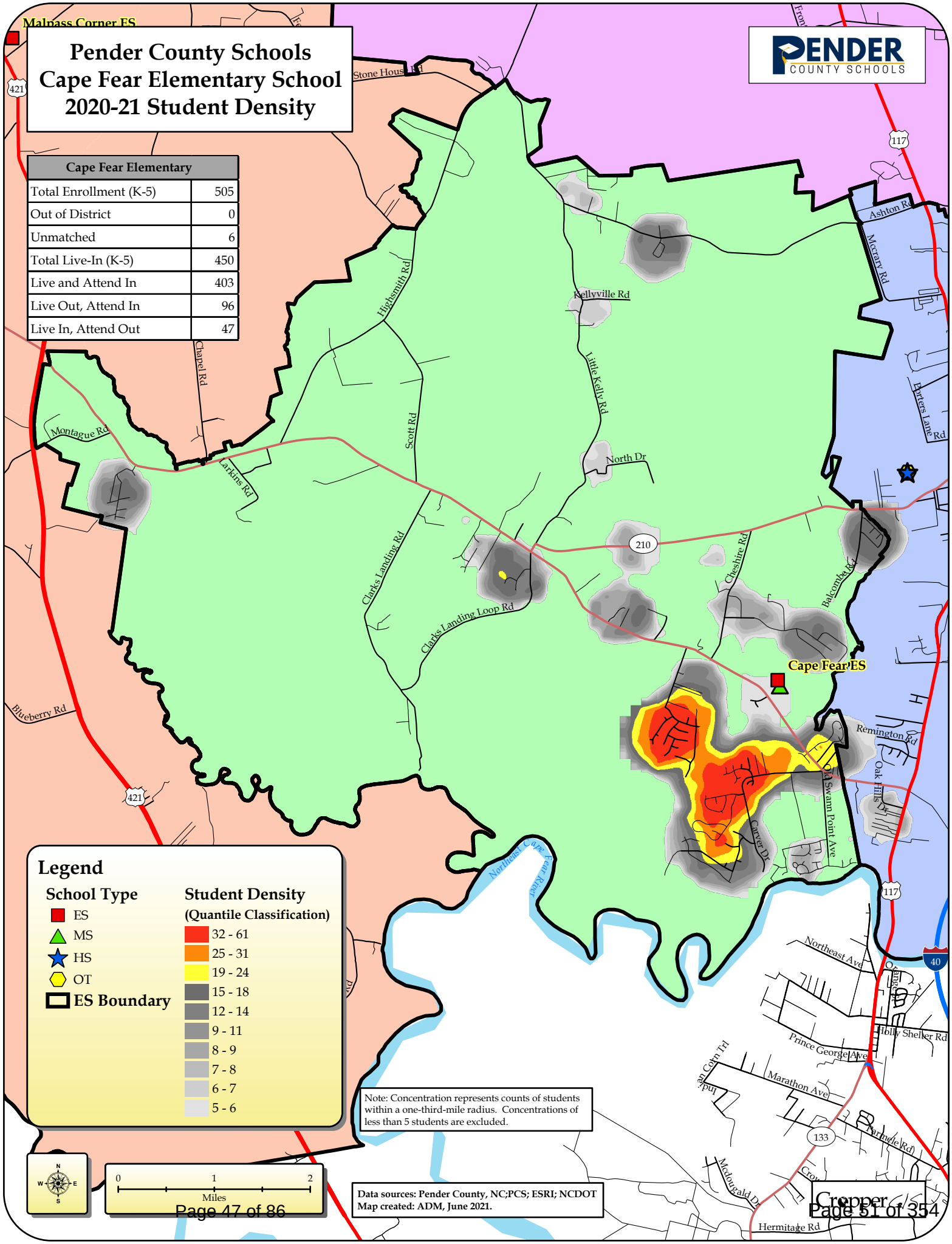


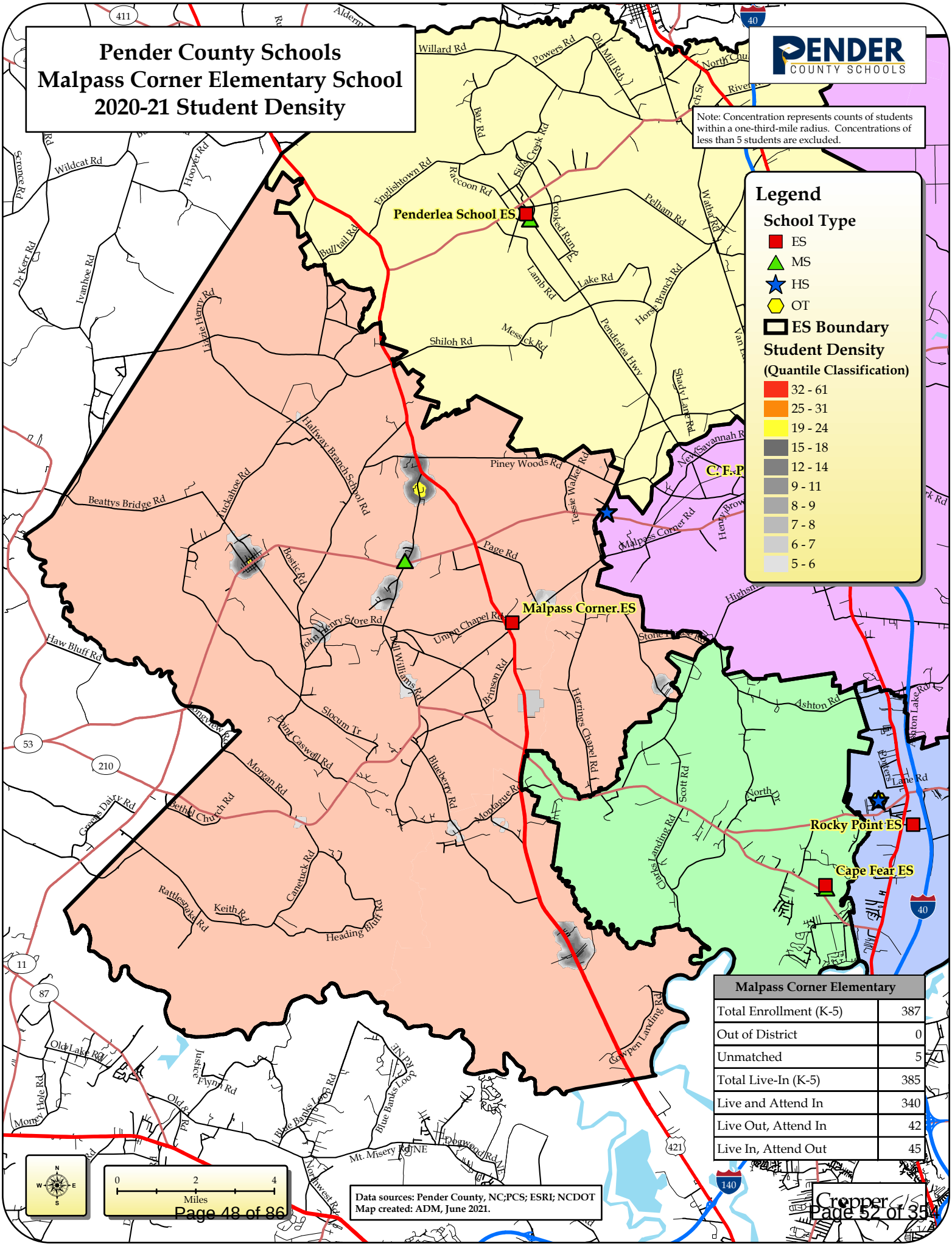
C.F. Pope Elementary	
Total Enrollment (K-5)	436
Out of District	3
Unmatched	9
Total Live-In (K-5)	521
Live and Attend In	395
Live Out, Attend In	32
Live In, Attend Out	126

Data sources: Pender County, NC;PCS; ESRI; NCDOT
Map created: ADM, June 2021.

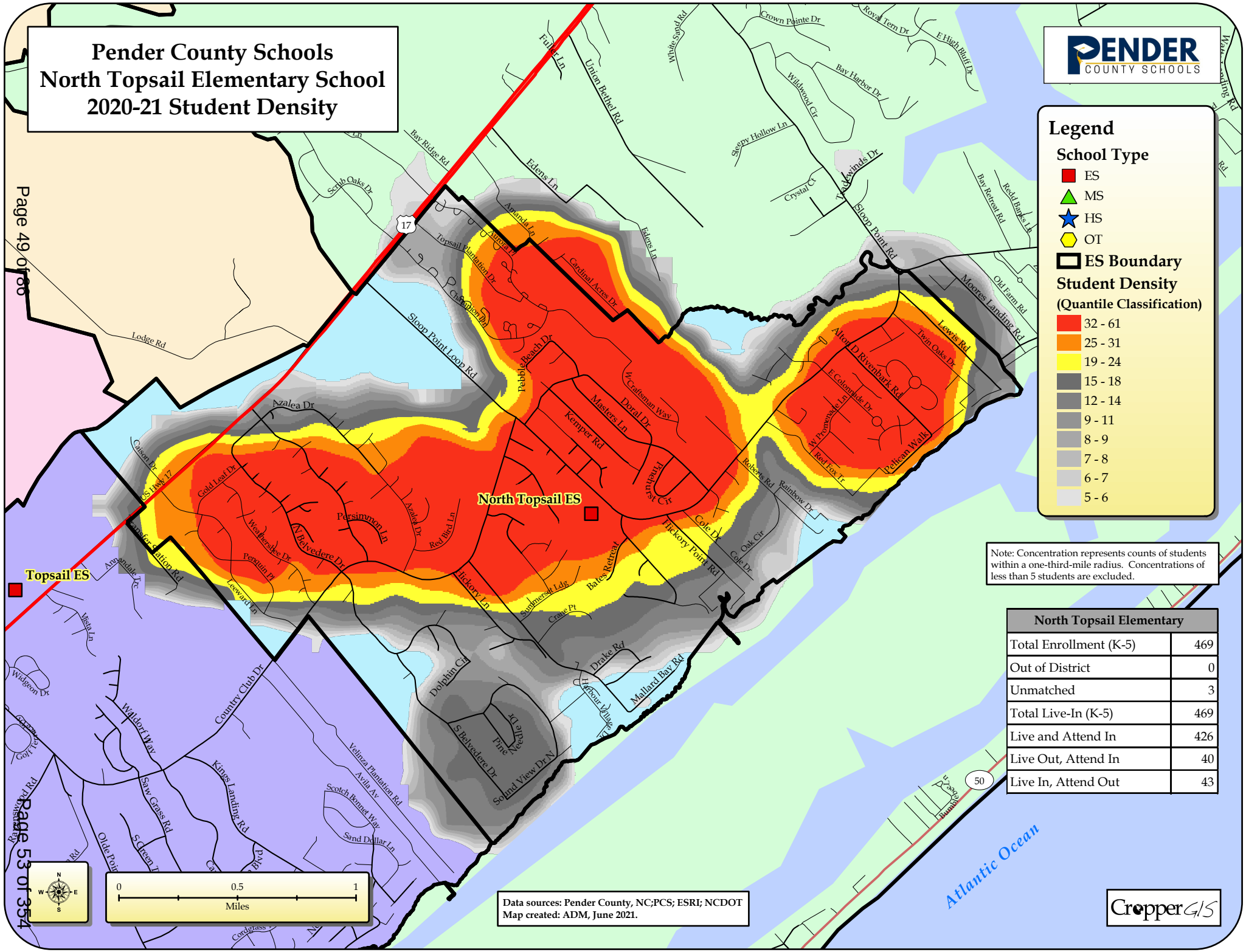
Pender County Schools
Cape Fear Elementary School
2020-21 Student Density

Cape Fear Elementary	
Total Enrollment (K-5)	505
Out of District	0
Unmatched	6
Total Live-In (K-5)	450
Live and Attend In	403
Live Out, Attend In	96
Live In, Attend Out	47



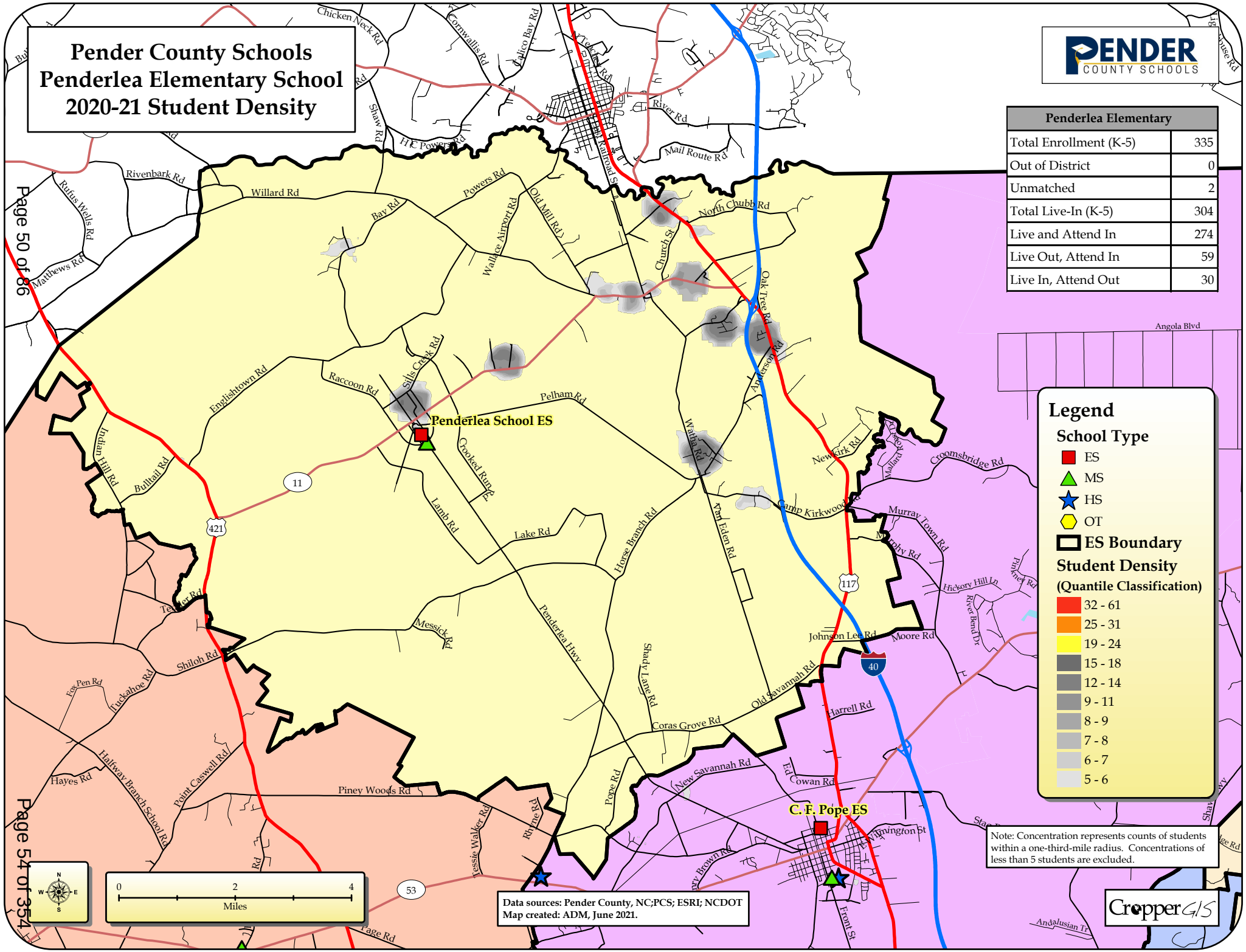

Pender County Schools
Malpass Corner Elementary School
2020-21 Student Density
PENDER COUNTY SCHOOLS
Note: Concentration represents counts of students within a one-third-mile radius. Concentrations of less than 5 students are excluded.
Legend
School Type
ES
MS
HS
OT
ES Boundary
Student Density
(Quantile Classification)
32 - 61
25 - 31
19 - 24
15 - 18
12 - 14
9 - 11
8 - 9
7 - 8
6 - 7
5 - 6
Penderlea School ES
Malpass Corner ES
Rocky Point ES
Cape Fear ES
C. F. P
Willard Rd
Powers Rd
Old Mill Rds
Bay Rd
Bills Creek Rd
Englishtown Rd
Raccoon Rd
Crooked Run Pt
Pelham Rd
Wathen Rd
Bull Tail Rd
Lamb Rd
Lake Rd
Horse Branch Rd
Penderlea Hwy
Shiloh Rd
Messick Rd
Shady Lane Rd
Wildcat Rd
Hoover Rd
Dr Kerr Rd
Ivanhoe Rd
Lizzie Henry Rd
Halfway Branch School Rd
Tuckahoe Rd
Beattys Bridge Rd
Piney Woods Rd
Teesie Walker Rd
Malpass Corner Rd
Page Rd
Bostic Rd
John Henry Store Rd
Union Chapel Rd
Bill Williams Rd
Brinson Rd
Herrings Chapel Rd
Haw Bluff Rd
Onyview Rd
Slocum Tr
Hunt Caswell Rd
Morgan Rd
Bethel Church Rd
Greens Dairy Rd
Blueberry Rd
Montague Rd
Canetuck Rd
Rattlesnake Rd
Keith Rd
Heading Bluff Rd
Ashton Rd
Ashton Lake Rd
Bowers Lane Rd
North Dr
Scott Rd
Clarks Landing Rd
Stone House Rd
Old Lake Rd
Justice Flynn Rd
Money Hole Rd
Blue Banks Loop Rd
Blue Banks Loop Rd NE
Mt. Misery Rd NE
Dogwood Rd NE
Northwest Rd
Cowpen Landing Rd
Malpass Corner Elementary
Total Enrollment (K-5) 387
Out of District 0
Unmatched 5
Total Live-In (K-5) 385
Live and Attend In 340
Live Out, Attend In 42
Live In, Attend Out 45
0 2 4
Miles
Data sources: Pender County, NC;PCS; ESRI; NCDOT
Map created: ADM, June 2021.
Cropper

Pender County Schools
North Topsail Elementary School
2020-21 Student Density



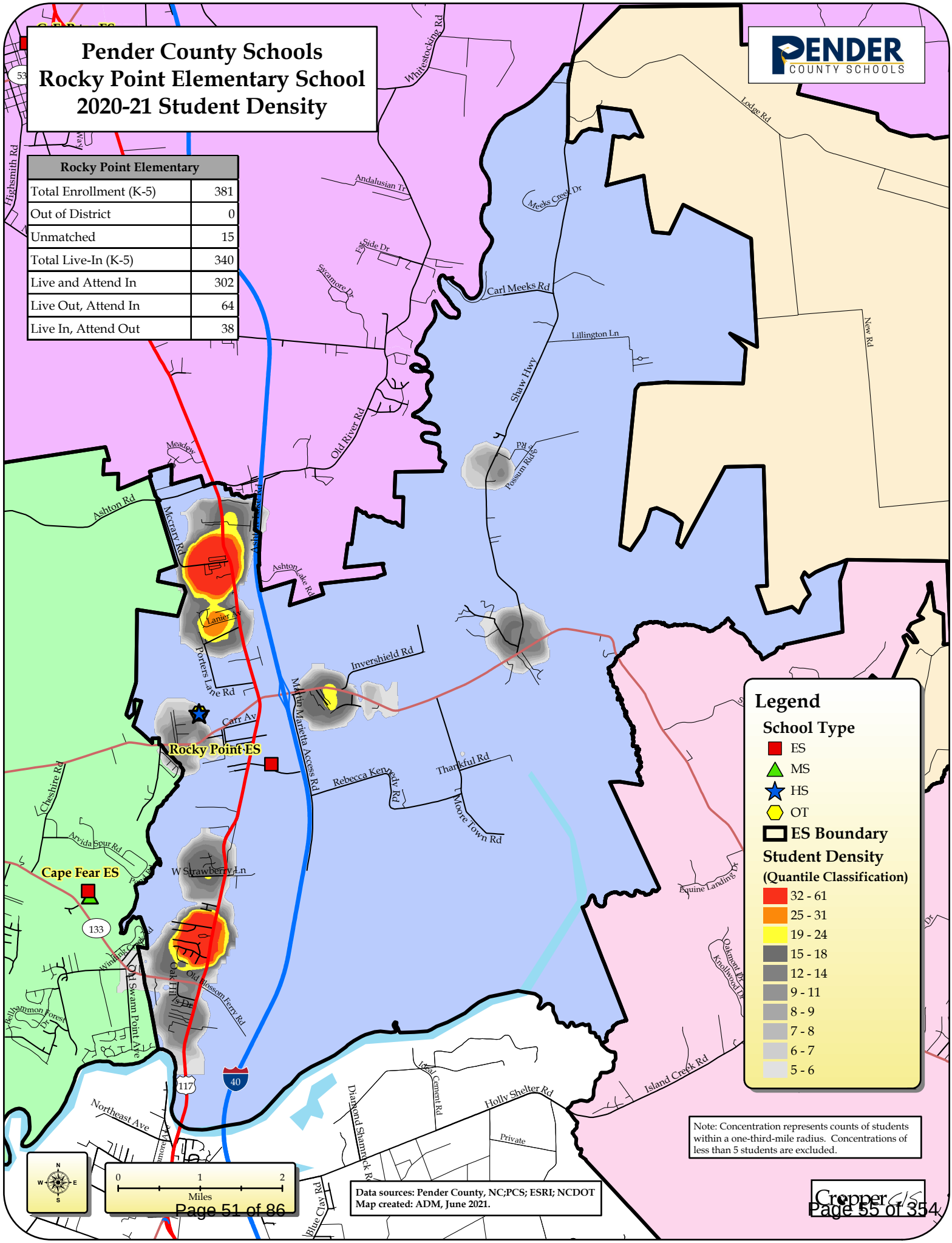
North Topsail Elementary	
Total Enrollment (K-5)	469
Out of District	0
Unmatched	3
Total Live-In (K-5)	469
Live and Attend In	426
Live Out, Attend In	40
Live In, Attend Out	43

Pender County Schools
Penderlea Elementary School
2020-21 Student Density



Pender County Schools
Rocky Point Elementary School
2020-21 Student Density

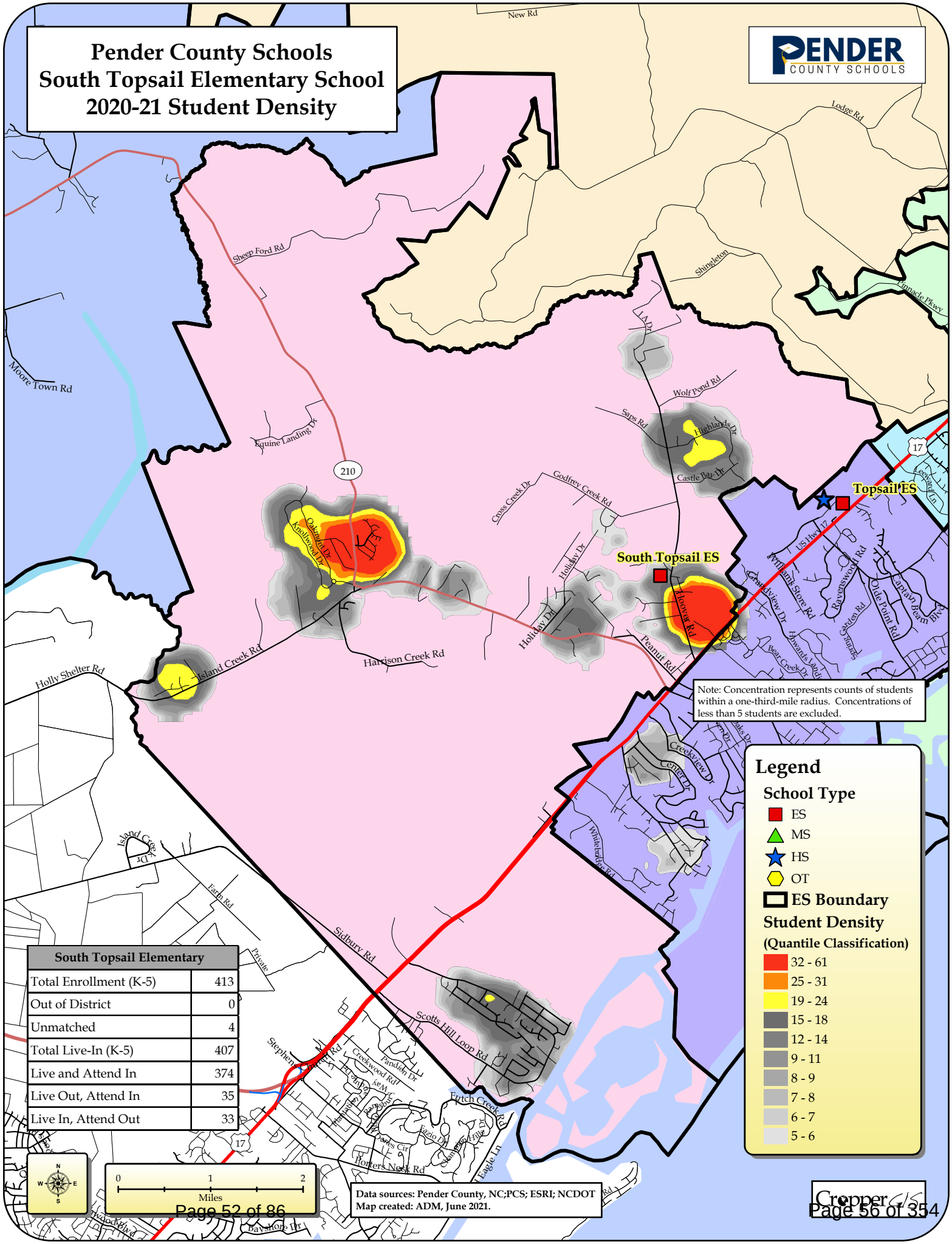
Rocky Point Elementary	
Total Enrollment (K-5)	381
Out of District	0
Unmatched	15
Total Live-In (K-5)	340
Live and Attend In	302
Live Out, Attend In	64
Live In, Attend Out	38



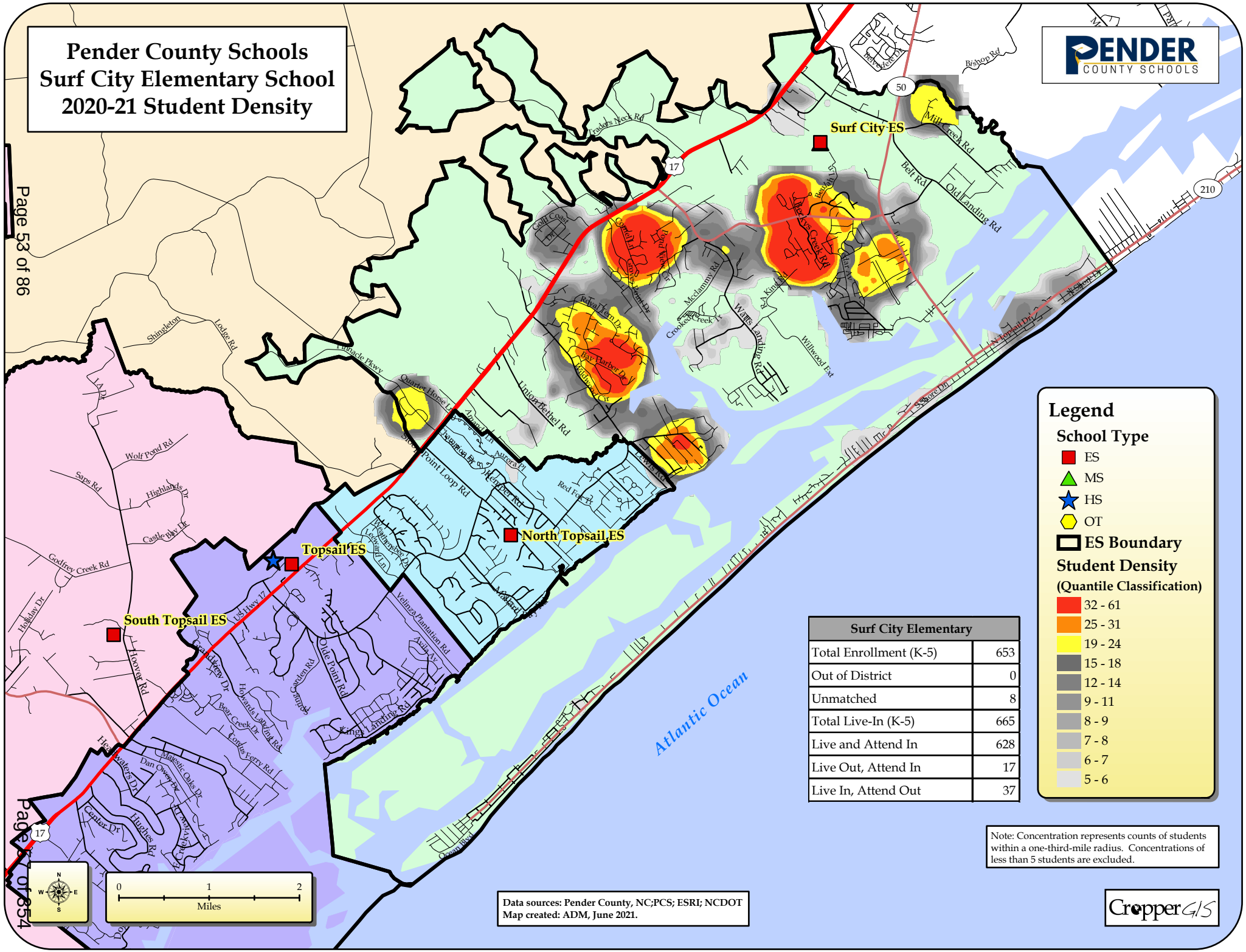
Note: Concentration represents counts of students within a one-third-mile radius. Concentrations of less than 5 students are excluded.

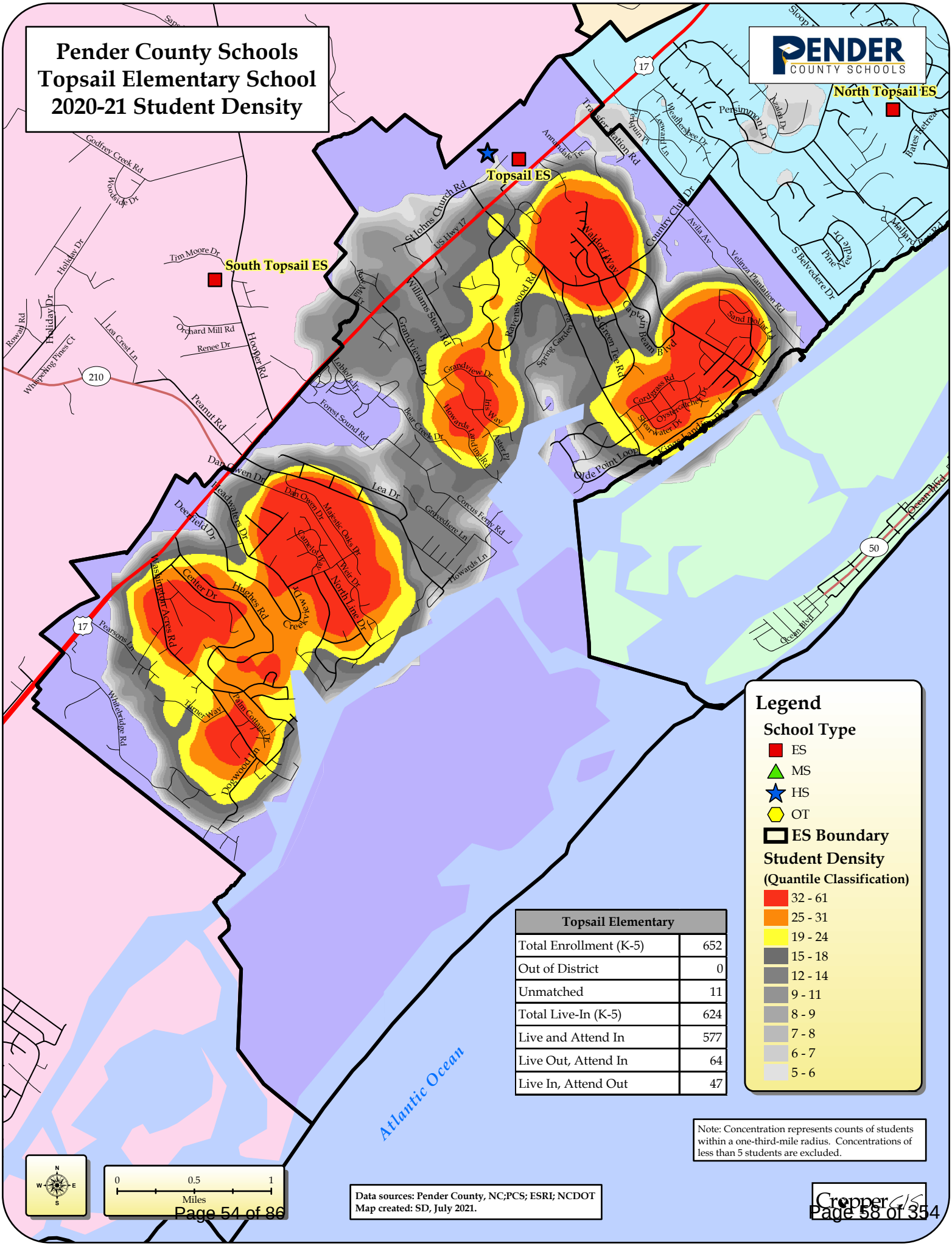
Data sources: Pender County, NC;PCS; ESRI; NCDOT
Map created: ADM, June 2021.

Cropper GIS


Pender County Schools
South Topsail Elementary School
2020-21 Student Density
PENDER COUNTY SCHOOLS
Topsail ES
South Topsail ES
Note: Concentration represents counts of students within a one-third-mile radius. Concentrations of less than 5 students are excluded.
Legend
School Type
ES
MS
HS
OT
ES Boundary
Student Density
(Quantile Classification)
32 - 61
25 - 31
19 - 24
15 - 18
12 - 14
9 - 11
8 - 9
7 - 8
6 - 7
5 - 6
South Topsail Elementary
Total Enrollment (K-5) 413
Out of District 0
Unmatched 4
Total Live-In (K-5) 407
Live and Attend In 374
Live Out, Attend In 35
Live In, Attend Out 33
0 1 2
Miles
Data sources: Pender County, NC;PCS; ESRI; NCDOT
Map created: ADM, June 2021.
Cropper
New Rd
Lodge Rd
Sheep Ford Rd
Shingleton
Pinnacle Pkwy
Moore Town Rd
Equine Landing Dr
Wolf Pond Rd
Saps Rd
Highland Dr
Castle Bay Dr
210
Cross Creek Dr
Godfrey Creek Rd
Oakwood Dr
Knollwood Dr
Holiday Dr
Hoover Rd
Peanut Rd
Harrison Creek Rd
Island Creek Rd
Holly Shelter Rd
US Hwy 17
Ravenswood Rd
Olde Point Rd
Captain Beam Blvd
Creekview Dr
Bear Creek Dr
Creekview Dr
Center Dr
Whitebridge Rd
Sidbury Rd
Scotts Hill Loop Rd
Futch Creek Rd
Rogers Neck Rd
Eagle Ln
Bayshore Dr
Page 52 of 86
Page 56 of 354

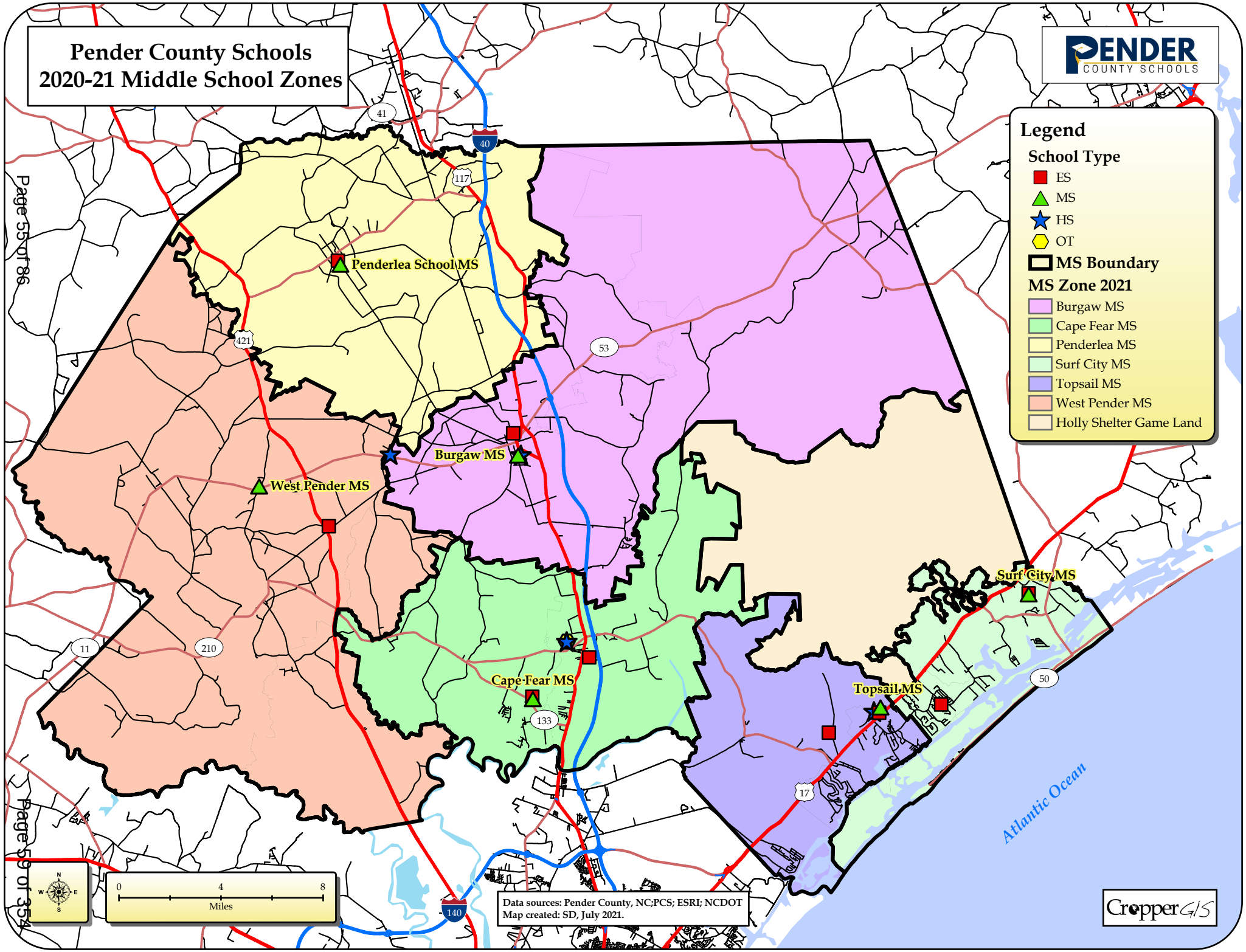
Pender County Schools
Surf City Elementary School
2020-21 Student Density




Pender County Schools
Topsail Elementary School
2020-21 Student Density
PENDER COUNTY SCHOOLS
North Topsail ES
Topsail ES
South Topsail ES
Legend
School Type
ES
MS
HS
OT
ES Boundary
Student Density
(Quantile Classification)
32 - 61
25 - 31
19 - 24
15 - 18
12 - 14
9 - 11
8 - 9
7 - 8
6 - 7
5 - 6
Topsail Elementary
Total Enrollment (K-5) 652
Out of District 0
Unmatched 11
Total Live-In (K-5) 624
Live and Attend In 577
Live Out, Attend In 64
Live In, Attend Out 47
Note: Concentration represents counts of students within a one-third-mile radius. Concentrations of less than 5 students are excluded.
Atlantic Ocean
0 0.5 1
Miles
Data sources: Pender County, NC;PCS; ESRI; NCDOT
Map created: SD, July 2021.
Cropper GIS

Pender County Schools
2020-21 Middle School Zones

PENDER COUNTY SCHOOLS



Pender County Schools
Burgaw Middle School
2020-21 Student Density

Note: Concentration represents counts of students within a one-third-mile radius. Concentrations of less than 5 students are excluded.

Legend

School Type

- ES
- MS
- HS
- OT

MS Boundary

Student Density
(Quantile Classification)

- 32 - 61
- 25 - 31
- 19 - 24
- 15 - 18
- 12 - 14
- 9 - 11
- 8 - 9
- 7 - 8
- 6 - 7
- 5 - 6

Burgaw MS

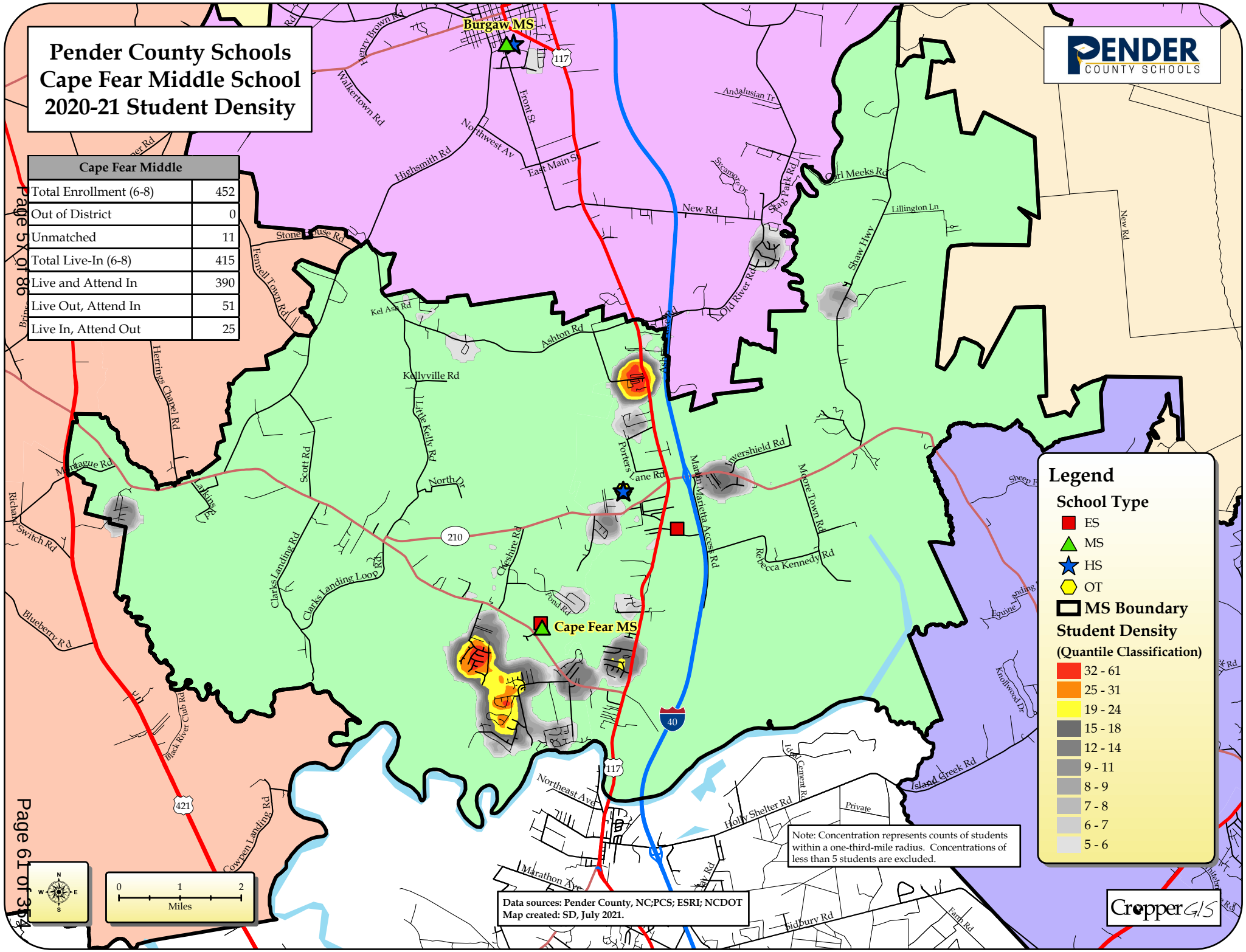
Burgaw Middle	
Total Enrollment (6-8)	282
Out of District	0
Unmatched	4
Total Live-In (6-8)	322
Live and Attend In	250
Live Out, Attend In	28
Live In, Attend Out	72

0 2 4 Miles

Data sources: Pender County, NC;PCS; ESRI; NCDOT
Map created: SD, July 2021.

Pender County Schools
Cape Fear Middle School
2020-21 Student Density

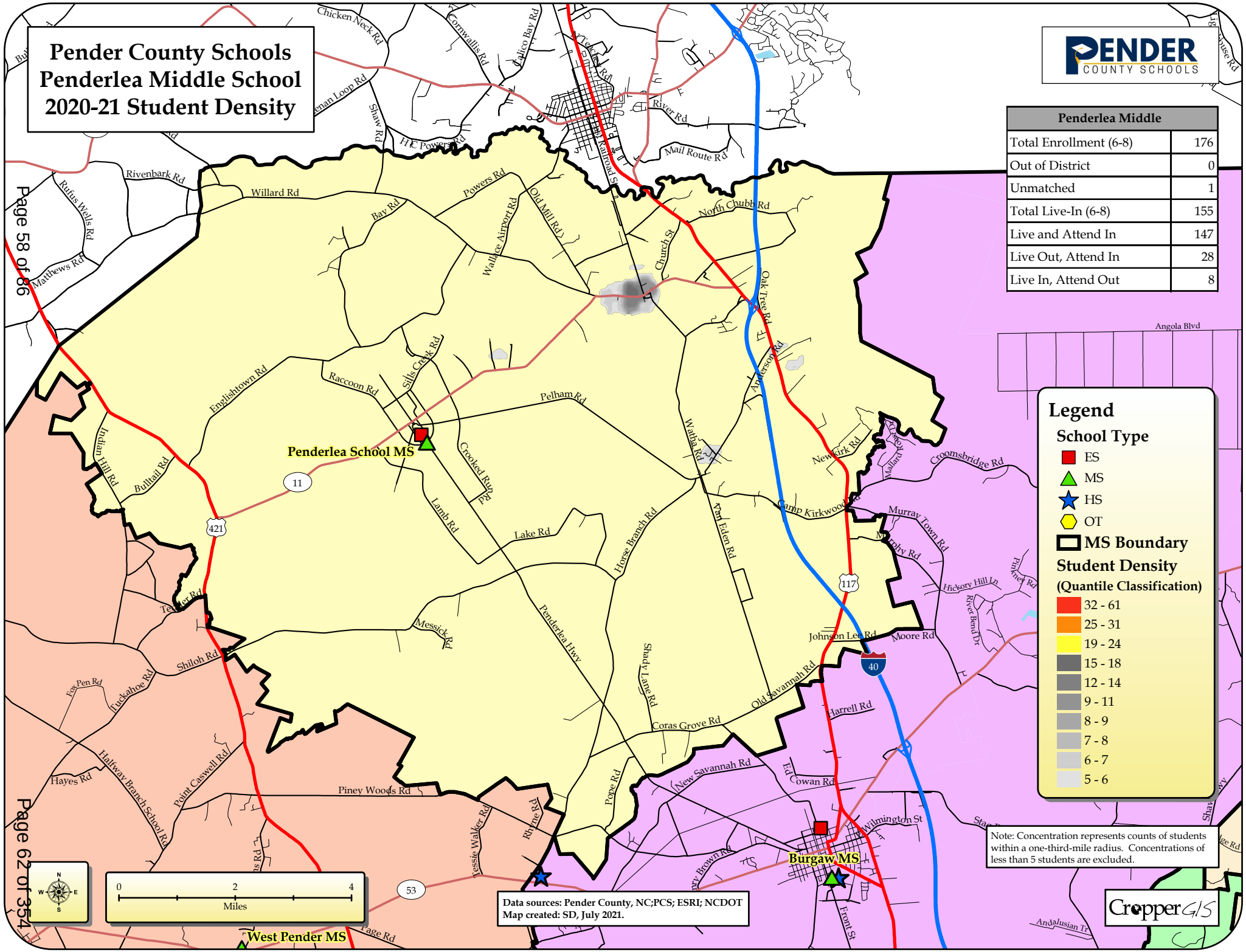
Cape Fear Middle	
Total Enrollment (6-8)	452
Out of District	0
Unmatched	11
Total Live-In (6-8)	415
Live and Attend In	390
Live Out, Attend In	51
Live In, Attend Out	25



Pender County Schools
Penderlea Middle School
2020-21 Student Density

PENDER COUNTY SCHOOLS

Penderlea Middle	
Total Enrollment (6-8)	176
Out of District	0
Unmatched	1
Total Live-In (6-8)	155
Live and Attend In	147
Live Out, Attend In	28
Live In, Attend Out	8



Legend

School Type

- ES
- MS
- HS
- OT

MS Boundary

Student Density
(Quantile Classification)

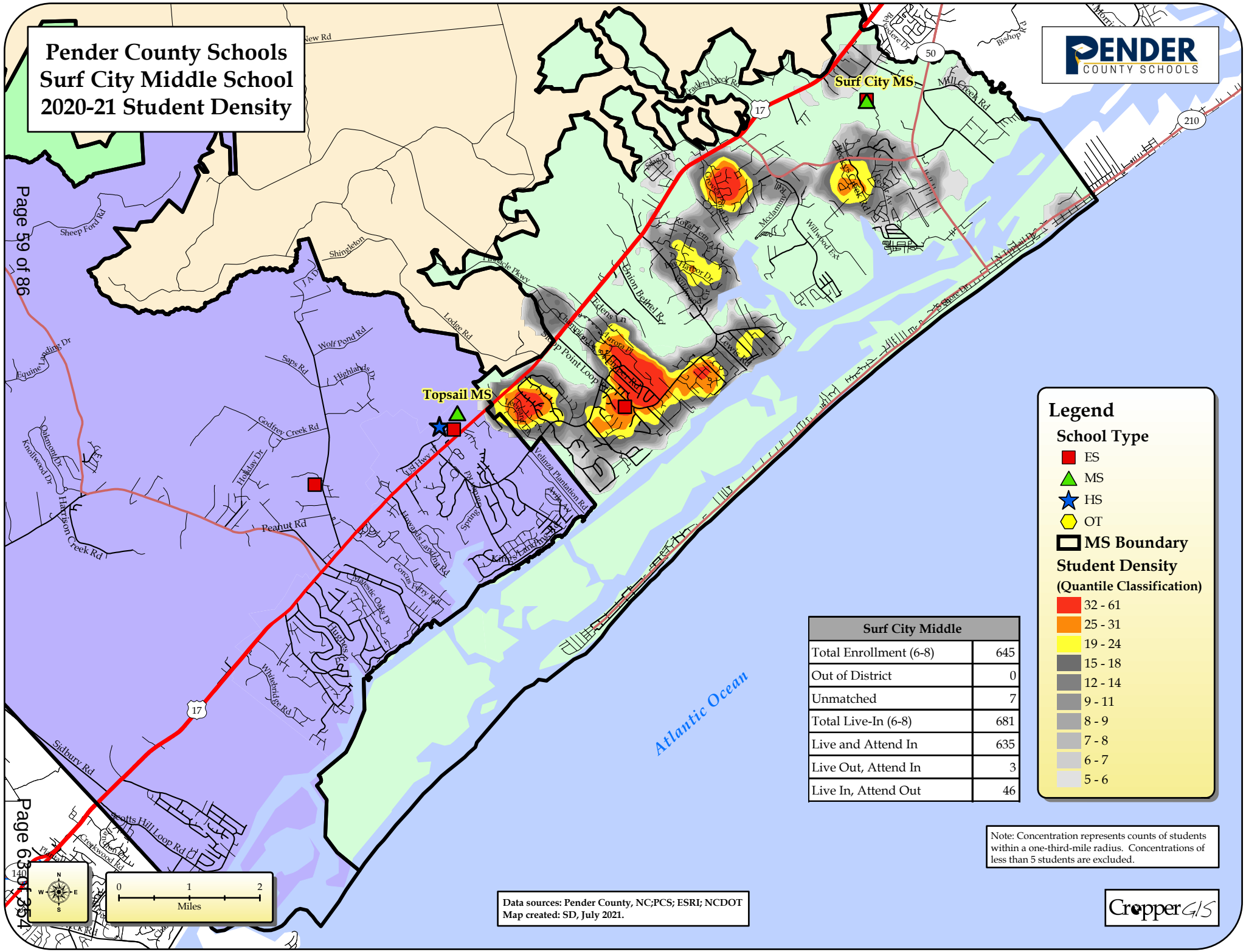
- 32 - 61
- 25 - 31
- 19 - 24
- 15 - 18
- 12 - 14
- 9 - 11
- 8 - 9
- 7 - 8
- 6 - 7
- 5 - 6

Note: Concentration represents counts of students within a one-third-mile radius. Concentrations of less than 5 students are excluded.

Data sources: Pender County, NC;PCS; ESRI; NCDOT
Map created: SD, July 2021.

Cropper GIS

Pender County Schools
Surf City Middle School
2020-21 Student Density



Surf City Middle	
Total Enrollment (6-8)	645
Out of District	0
Unmatched	7
Total Live-In (6-8)	681
Live and Attend In	635
Live Out, Attend In	3
Live In, Attend Out	46

Legend

School Type

- ES
- MS
- HS
- OT

MS Boundary

Student Density
(Quantile Classification)

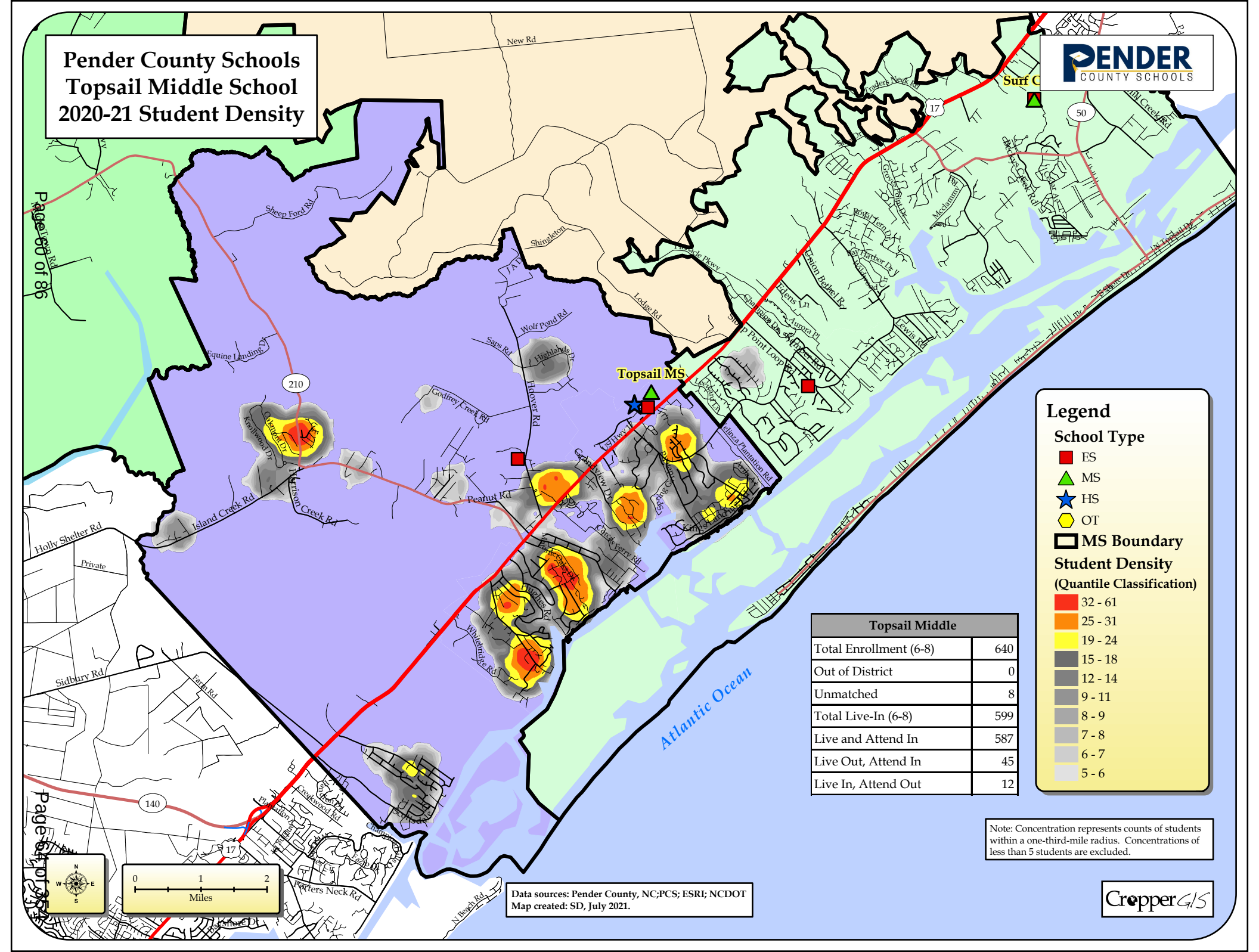
- 32 - 61
- 25 - 31
- 19 - 24
- 15 - 18
- 12 - 14
- 9 - 11
- 8 - 9
- 7 - 8
- 6 - 7
- 5 - 6

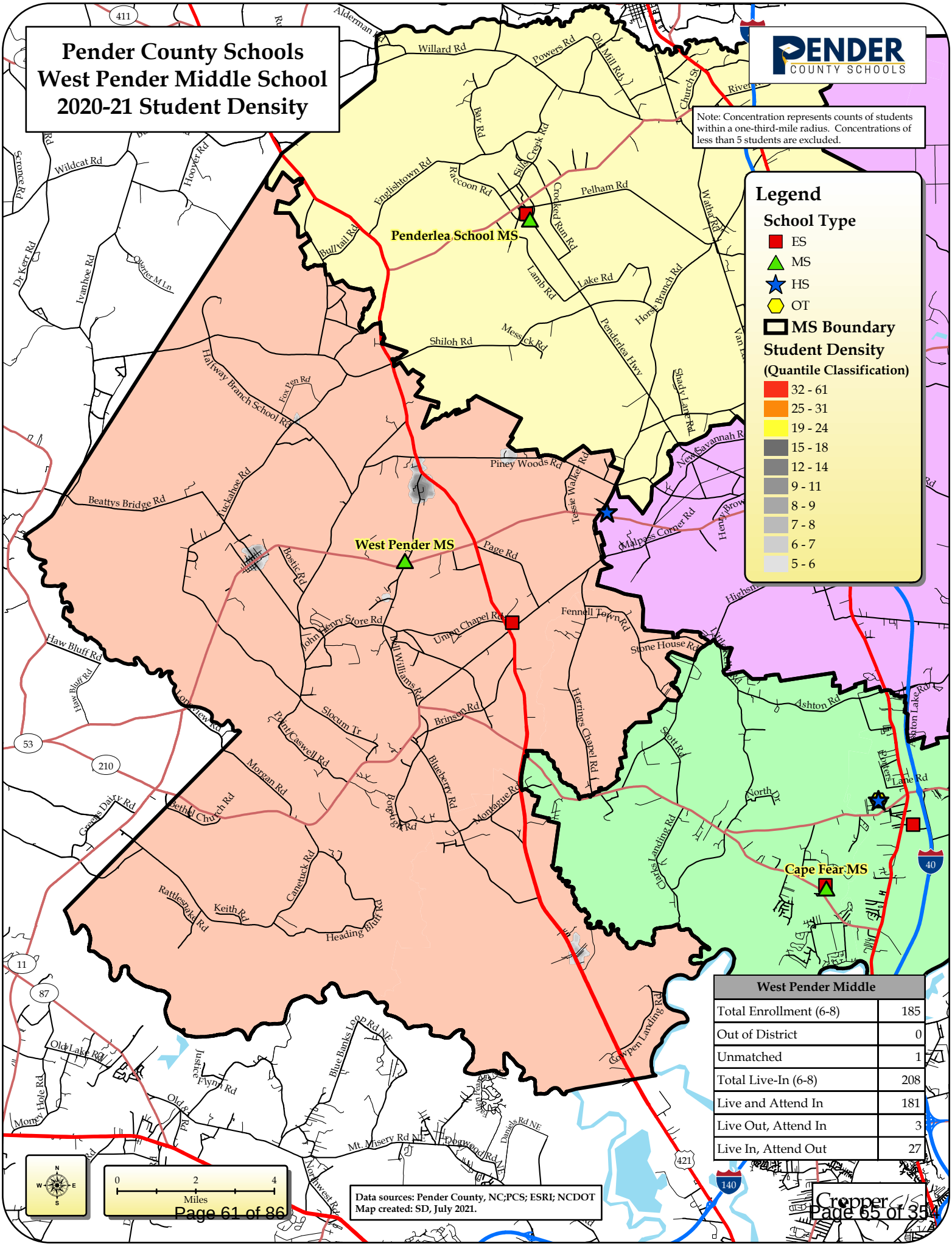
Note: Concentration represents counts of students within a one-third-mile radius. Concentrations of less than 5 students are excluded.

0 1 2 Miles

Data sources: Pender County, NC;PCS; ESRI; NCDOT
Map created: SD, July 2021.

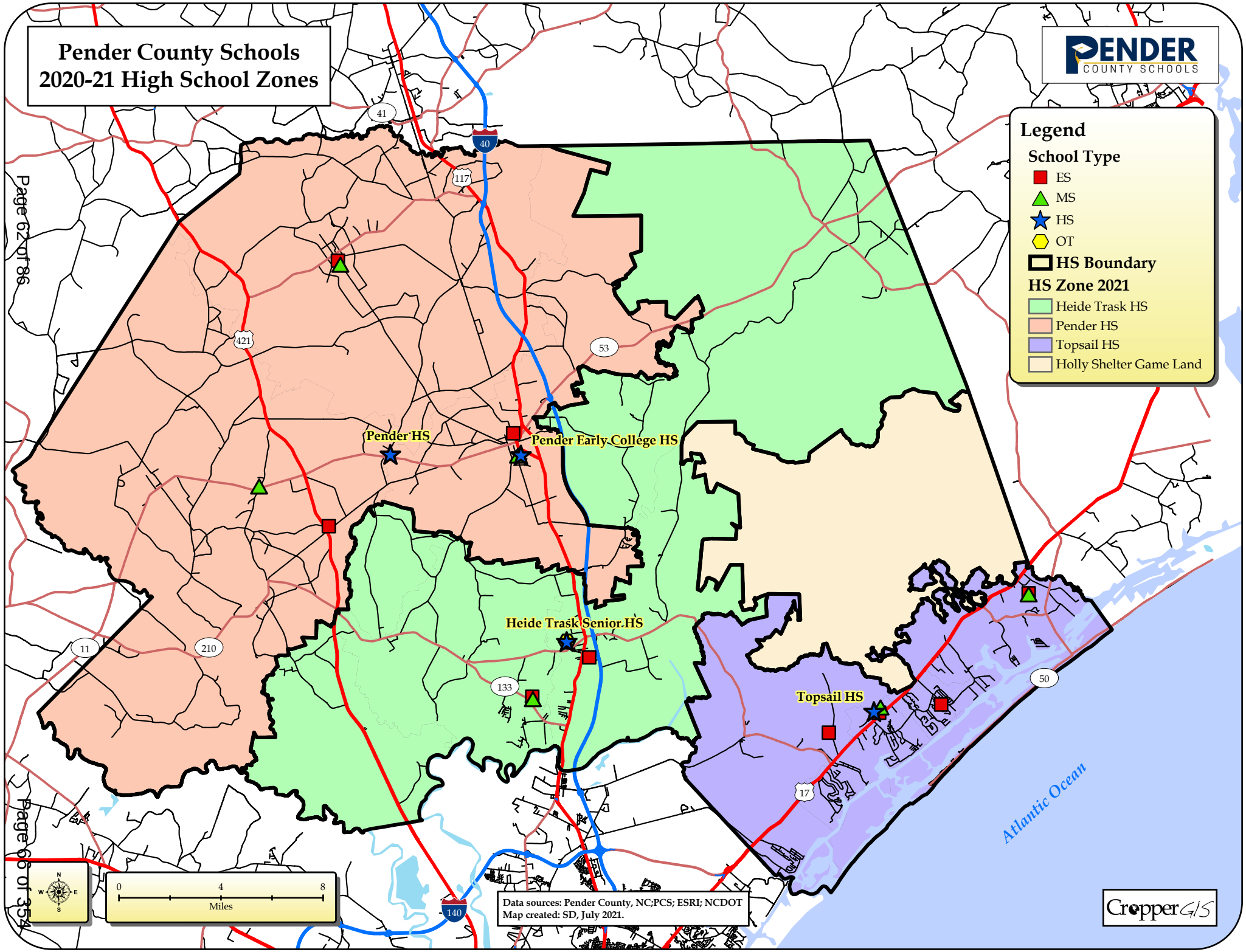
Cropper GIS


Pender County Schools
Topsail Middle School
2020-21 Student Density
PENDER COUNTY SCHOOLS
Topsail MS
Atlantic Ocean
Legend
School Type
ES
MS
HS
OT
MS Boundary
Student Density
(Quantile Classification)
32 - 61
25 - 31
19 - 24
15 - 18
12 - 14
9 - 11
8 - 9
7 - 8
6 - 7
5 - 6
Topsail Middle
Total Enrollment (6-8) 640
Out of District 0
Unmatched 8
Total Live-In (6-8) 599
Live and Attend In 587
Live Out, Attend In 45
Live In, Attend Out 12
Note: Concentration represents counts of students within a one-third-mile radius. Concentrations of less than 5 students are excluded.
Data sources: Pender County, NC;PCS; ESRI; NCDOT
Map created: SD, July 2021.
Cropper GIS
0 1 2 Miles
New Rd
Sheep Ford Rd
Shingleton
Lodge Rd
Wolf Pond Rd
Sapp Rd
Highland Dr
Equine Landing Dr
Godfrey Creek Rd
Hanover Rd
Island Creek Rd
Harrison Creek Rd
Peanut Rd
Holly Shelter Rd
Private
Sidbury Rd
Farm Rd
Creekwood Rd
Peters Neck Rd
Whitebridge Rd
Hughes Rd
Carolla Ferry Rd
Eliza Plantation Rd
Edens Ln
Aurora Pl
Lewis Rd
Sloop Point Loop Rd
Traders Neck Rd
Grove Pond Dr
Mclammy Rd
Royal Fern Dr
Harbor Dr
Becky Creek Rd
Cedar Acres Rd
Old Topsail Dr
N Beach Rd
17
50
210
140


Pender County Schools
West Pender Middle School
2020-21 Student Density
PENDER COUNTY SCHOOLS
Note: Concentration represents counts of students within a one-third-mile radius. Concentrations of less than 5 students are excluded.
Legend
School Type
ES
MS
HS
OT
MS Boundary
Student Density
(Quantile Classification)
32 - 61
25 - 31
19 - 24
15 - 18
12 - 14
9 - 11
8 - 9
7 - 8
6 - 7
5 - 6
Penderlea School MS
West Pender MS
Cape Fear MS
Willard Rd
Powers Rd
Old Mill Rd
Bay Rd
Bills Creek Rd
Englishtown Rd
Raccoon Rd
Crooked Run Rd
Pelham Rd
Bull tail Rd
Lamb Rd
Lake Rd
Horse Branch Rd
Penderlea Hwy
Shiloh Rd
Messick Rd
Shady Lane Rd
Halfway Branch School Rd
Fox Pen Rd
Piney Woods Rd
Tessie Walker Rd
Beattys Bridge Rd
Auckahoe Rd
Bostic Rd
Page Rd
Malpass Corner Rd
John Henry Store Rd
Union Chapel Rd
Fennell Town Rd
Stone House Rd
Bill Williams Rd
Haw Bluff Rd
Long View Rd
Slocum Tr
Brinson Rd
Herrings Chapel Rd
Ashton Rd
Soft Rd
Ashton Lake Rd
Bowers Lane Rd
North Dr
Clarks Landing Rd
Point Caswell Rd
Morgan Rd
Blueberry Rd
Montague Rd
Bethel Church Rd
Greens Dairy Rd
Canetuck Rd
Rattlesnake Rd
Keith Rd
Heading Bluff Rd
Old Lake Rd
Justice Flynn Rd
Blue Banks Loop Rd NE
Mt. Misery Rd NE
Hogwood Rd NE
Daniels Rd NE
Northwest Rd
Old Factory Rd
Money Hole Rd
Ivanhoe Rd
Dr Kerr Rd
Wildcat Rd
Hoover Rd
Quarter M Ln
Scronce Pyr Rd
Watha Rd
Van Dyke Rd
Shady Lane Rd
New Savannah Rd
Highsmith Rd
Cowpen Landing Rd
411
53
210
11
87
421
140
40
West Pender Middle
Total Enrollment (6-8) 185
Out of District 0
Unmatched 1
Total Live-In (6-8) 208
Live and Attend In 181
Live Out, Attend In 3
Live In, Attend Out 27
N
W
E
S
0
2
4
Miles
Data sources: Pender County, NC;PCS; ESRI; NCDOT
Map created: SD, July 2021.
Cropper

Pender County Schools
2020-21 High School Zones

PENDER COUNTY SCHOOLS



Pender County Schools
Heide Trask High School
2020-21 Student Density

PENDER COUNTY SCHOOLS

Heide Trask High	
Total Enrollment (9-12)	631
Out of District	0
Unmatched	8
Total Live-In (9-12)	619
Live and Attend In	551
Live Out, Attend In	72
Live In, Attend Out	68

Note: Concentration represents counts of students within a one-third-mile radius. Concentrations of less than 5 students are excluded.

Legend

School Type

- ES
- MS
- HS
- OT

HS Boundary

Student Density
(Quantile Classification)

- 32 - 61
- 25 - 31
- 19 - 24
- 15 - 18
- 12 - 14
- 9 - 11
- 8 - 9
- 7 - 8
- 6 - 7
- 5 - 6

Pender HS

Pender Early College HS

Heide Trask Senior HS

Topsail HS

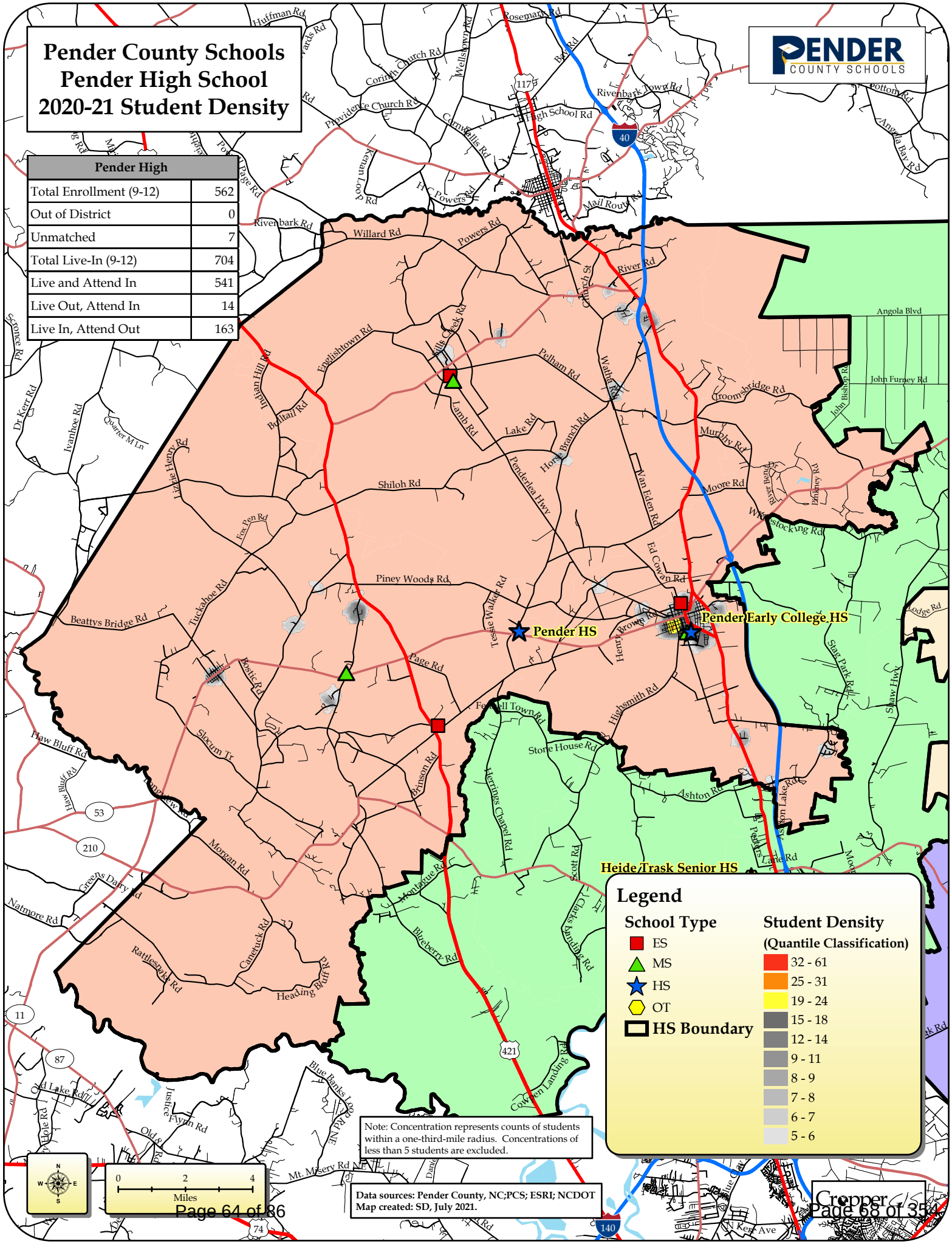
0 2 4 Miles

Data sources: Pender County, NC;PCS; ESRI; NCDOT
Map created: SD, July 2021.

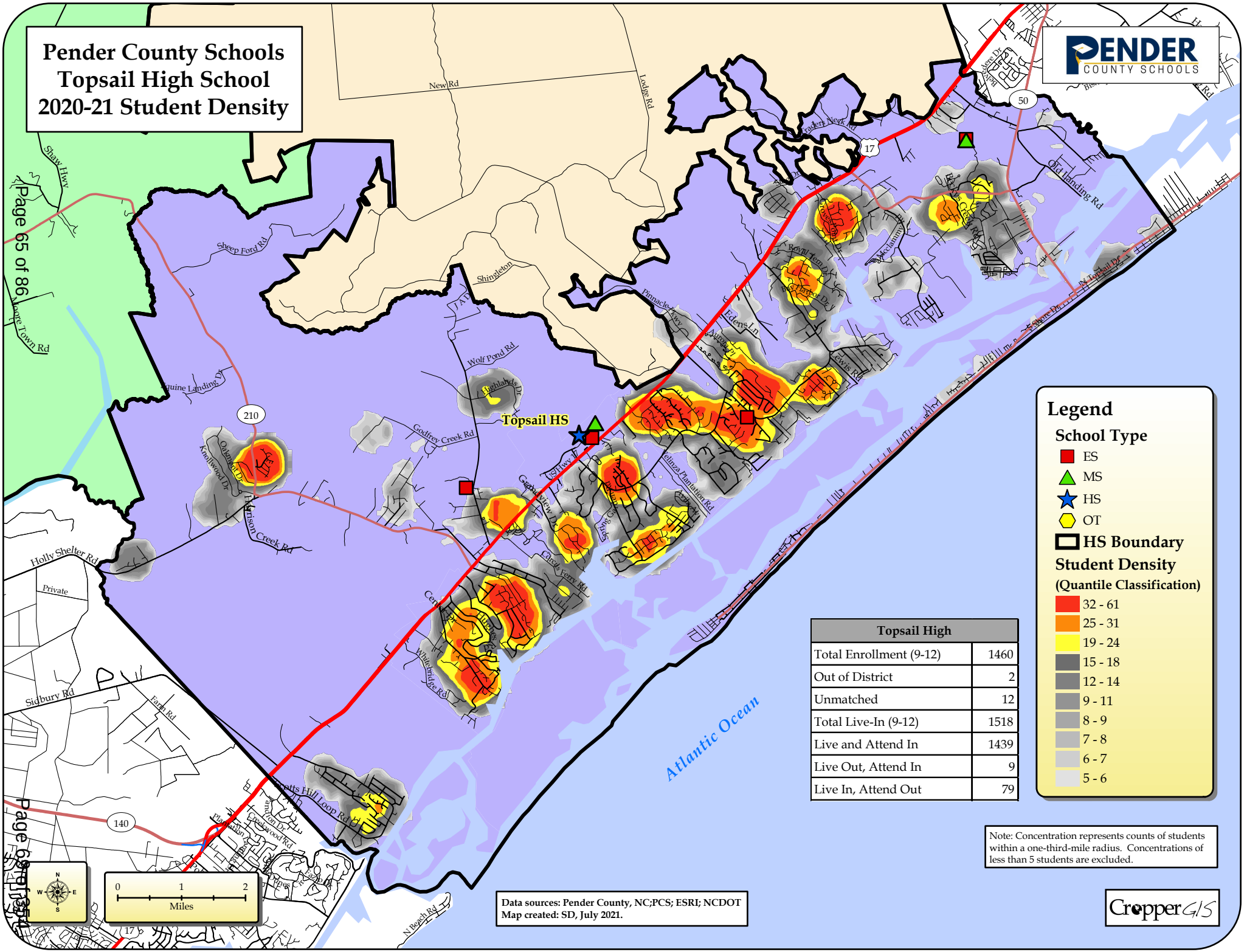
Cropper GIS

Pender County Schools
Pender High School
2020-21 Student Density

Pender High	
Total Enrollment (9-12)	562
Out of District	0
Unmatched	7
Total Live-In (9-12)	704
Live and Attend In	541
Live Out, Attend In	14
Live In, Attend Out	163



Pender County Schools
Topsail High School
2020-21 Student Density



Legend

School Type

- ES
- MS
- HS
- OT

HS Boundary

Student Density
(Quantile Classification)

- 32 - 61
- 25 - 31
- 19 - 24
- 15 - 18
- 12 - 14
- 9 - 11
- 8 - 9
- 7 - 8
- 6 - 7
- 5 - 6

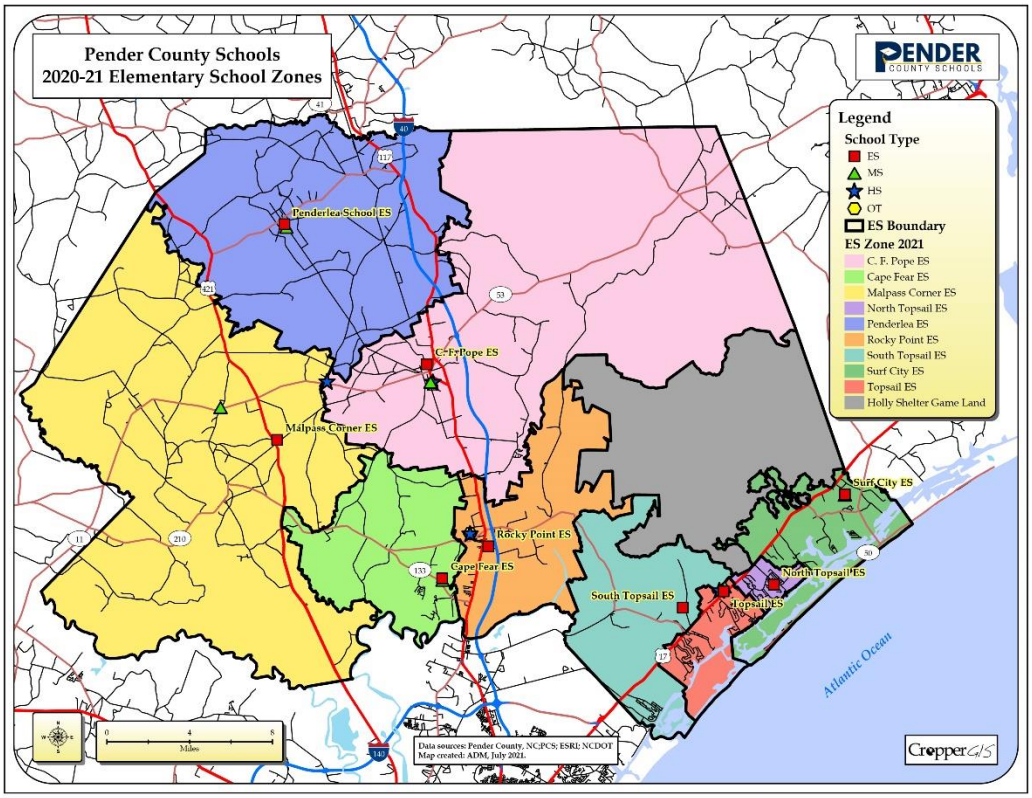
Topsail High	
Total Enrollment (9-12)	1460
Out of District	2
Unmatched	12
Total Live-In (9-12)	1518
Live and Attend In	1439
Live Out, Attend In	9
Live In, Attend Out	79

Note: Concentration represents counts of students within a one-third-mile radius. Concentrations of less than 5 students are excluded.

Data sources: Pender County, NC;PCS; ESRI; NCDOT
Map created: SD, July 2021.

Pender County Schools, NC

Options Statistics



CropperGIS

McKibben Demographics

The following document contains a series of tables depicting utilization as a percentage for each zoned school in the district. Utilization is calculated by dividing the actual or forecasted enrollment of each school by year by the calculated facility capacity. Actual enrollment for the 2020-21 school year is based on the Fall 2020 student enrollment received from the district. Forecasted enrollment is based on the results of the 2020 Demographic Study. Utilization percentages are color-coded according to the key seen in the table to the right.

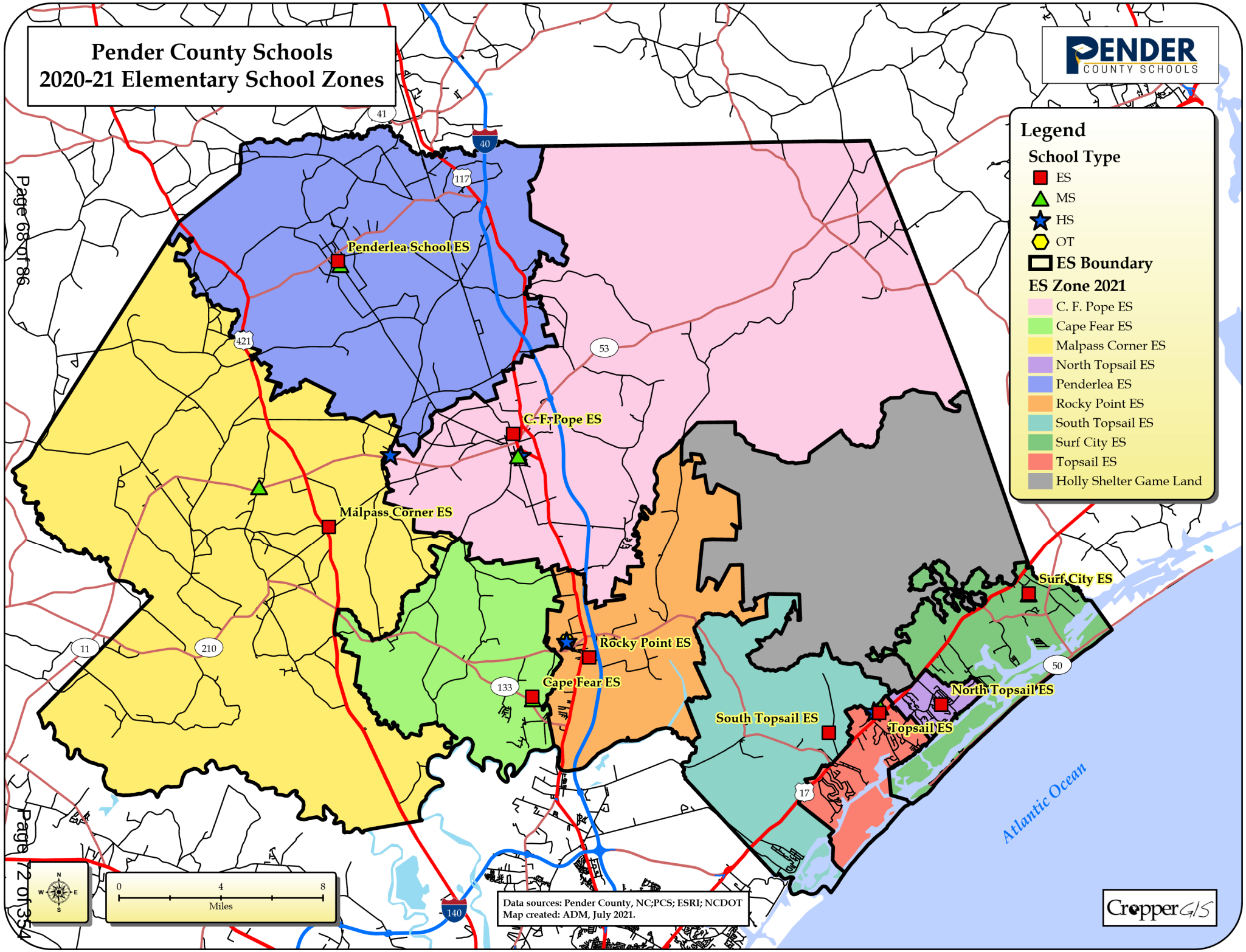
Utilization Color Key
Over 105%
96% to 105%
86% to 95%
76% to 85%
65% to 75%
Under 65%

The utilization forecast below depicts the current and forecasted utilization based on the school zones as they are in 2020-21.

Elementary School 2020-21 Zones Enrollment Forecast

School Name	Capacity		Enrollment Forecast 2020-21	2025-26	2030-31
C.F. Pope Elementary School	683	Enrollment	506	584	611
		Utilization	74%	86%	89%
Cape Fear Elementary School	676	Enrollment	519	569	538
		Utilization	77%	84%	80%
Malpass Corner Elementary School	667	Enrollment	451	462	451
		Utilization	68%	69%	68%
North Topsail Elementary School	511	Enrollment	472	507	530
		Utilization	92%	99%	104%
Penderlea Elementary and Middle School	565	Enrollment	505	502	489
		Utilization	89%	89%	87%
Rocky Point Elementary School	484	Enrollment	440	494	524
		Utilization	91%	102%	108%
South Topsail Elementary School	512	Enrollment	395	453	512
		Utilization	77%	88%	100%
Surf City Elementary School	750	Enrollment	590	652	651
		Utilization	79%	87%	87%
Topsail Elementary School	506	Enrollment	618	673	686
		Utilization	122%	133%	136%
Elementary School Totals	5,354	Enrollment	4,496	4,896	4,992
		Utilization	84%	91%	93%

School Name	Capacity		Enrollment Forecast 2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
C.F. Pope Elementary School	683	Enrollment	506	561	571	581	587	584	591	598	603	607	611
		Utilization	74%	82%	84%	85%	86%	86%	87%	88%	88%	89%	89%
Cape Fear Elementary School	676	Enrollment	519	513	523	542	560	569	559	550	543	539	538
		Utilization	77%	76%	77%	80%	83%	84%	83%	81%	80%	80%	80%
Malpass Corner Elementary School	667	Enrollment	451	466	472	467	466	462	461	459	457	454	451
		Utilization	68%	70%	71%	70%	70%	69%	69%	69%	69%	68%	68%
North Topsail Elementary School	511	Enrollment	472	504	492	498	504	507	514	519	525	529	530
		Utilization	92%	99%	96%	97%	99%	99%	101%	102%	103%	104%	104%
Penderlea Elementary and Middle School	565	Enrollment	505	514	503	501	500	502	498	499	494	493	489
		Utilization	89%	91%	89%	89%	88%	89%	88%	88%	87%	87%	87%
Rocky Point Elementary School	484	Enrollment	440	467	474	477	489	494	503	510	516	520	524
		Utilization	91%	96%	98%	99%	101%	102%	104%	105%	107%	107%	108%
South Topsail Elementary School	512	Enrollment	395	414	404	412	432	453	470	485	497	506	512
		Utilization	77%	81%	79%	80%	84%	88%	92%	95%	97%	99%	100%
Surf City Elementary School	750	Enrollment	590	617	628	632	660	652	654	653	653	653	651
		Utilization	79%	82%	84%	84%	88%	87%	87%	87%	87%	87%	87%
Topsail Elementary School	506	Enrollment	618	644	633	646	661	673	684	692	696	693	686
		Utilization	122%	127%	125%	128%	131%	133%	135%	137%	138%	137%	136%
Elementary School Totals	5,354	Enrollment	4,496	4,700	4,700	4,756	4,859	4,896	4,934	4,965	4,984	4,994	4,992
		Utilization	84%	88%	88%	89%	91%	91%	92%	93%	93%	93%	93%


Pender County Schools
2020-21 Elementary School Zones
PENDER COUNTY SCHOOLS
Legend
School Type
ES
MS
HS
OT
ES Boundary
ES Zone 2021
C. F. Pope ES
Cape Fear ES
Malpass Corner ES
North Topsail ES
Penderlea ES
Rocky Point ES
South Topsail ES
Surf City ES
Topsail ES
Holly Shelter Game Land
Penderlea School ES
C. F. Pope ES
Malpass Corner ES
Rocky Point ES
Cape Fear ES
Surf City ES
North Topsail ES
South Topsail ES
Topsail ES
Atlantic Ocean
41
40
117
421
53
11
210
133
50
17
140
0
4
8
Miles
Data sources: Pender County, NC;PCS; ESRI; NCDOT
Map created: ADM, July 2021.
CropperGIS

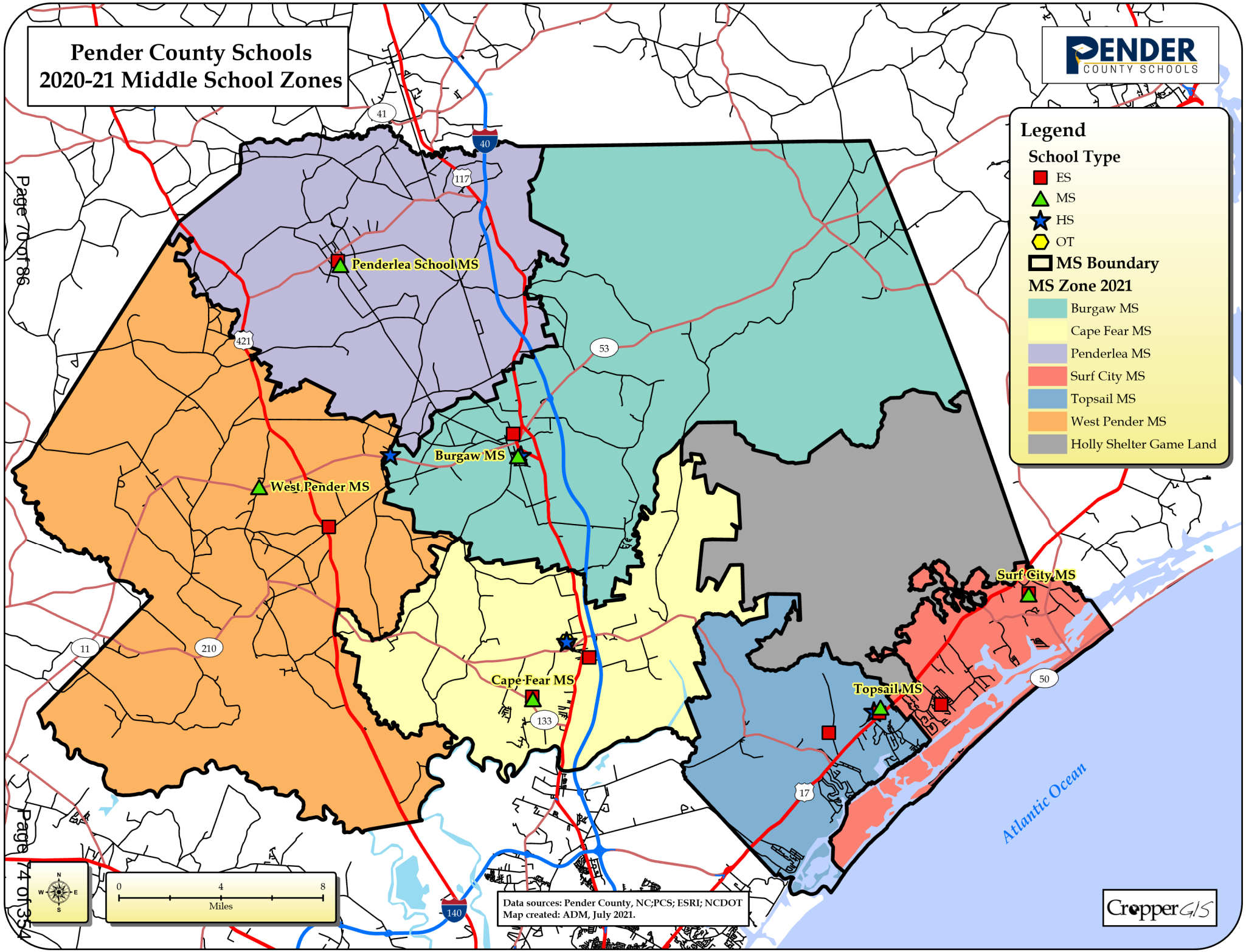
Middle School 2020-21 Zones Enrollment Forecast

School Name	Capacity		Enrollment Forecast 2020-21	2025-26	2030-31
Burgaw Middle School	322	Enrollment	288	230	243
		Utilization	89%	71%	75%
Cape Fear Middle School	691	Enrollment	460	415	498
		Utilization	67%	60%	72%
Surf City Middle School	750	Enrollment	649	618	644
		Utilization	87%	82%	86%
Topsail Middle School	745	Enrollment	634	627	787
		Utilization	85%	84%	106%
West Pender Middle School	307	Enrollment	184	172	166
		Utilization	60%	56%	54%
Middle School Totals	2,815	Enrollment	2,215	2,062	2,338
		Utilization	79%	73%	83%

School Name	Capacity		Enrollment Forecast 2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
Burgaw Middle School	322	Enrollment	288	252	241	211	215	230	236	240	233	238	243
		Utilization	89%	78%	75%	66%	67%	71%	73%	75%	72%	74%	75%
Cape Fear Middle School	691	Enrollment	460	465	444	448	405	415	446	486	499	499	498
		Utilization	67%	67%	64%	65%	59%	60%	65%	70%	72%	72%	72%
Surf City Middle School	750	Enrollment	649	628	604	623	612	618	619	647	637	641	644
		Utilization	87%	84%	81%	83%	82%	82%	83%	86%	85%	85%	86%
Topsail Middle School	745	Enrollment	634	631	643	650	655	627	643	685	718	755	787
		Utilization	85%	85%	86%	87%	88%	84%	86%	92%	96%	101%	106%
West Pender Middle School	307	Enrollment	184	179	170	168	164	172	168	170	166	167	166
		Utilization	60%	58%	55%	55%	53%	56%	55%	55%	54%	54%	54%
Middle School Totals	2,815	Enrollment	2,215	2,155	2,102	2,100	2,051	2,062	2,112	2,228	2,253	2,300	2,338
		Utilization	79%	77%	75%	75%	73%	73%	75%	79%	80%	82%	83%

Pender County Schools
2020-21 Middle School Zones

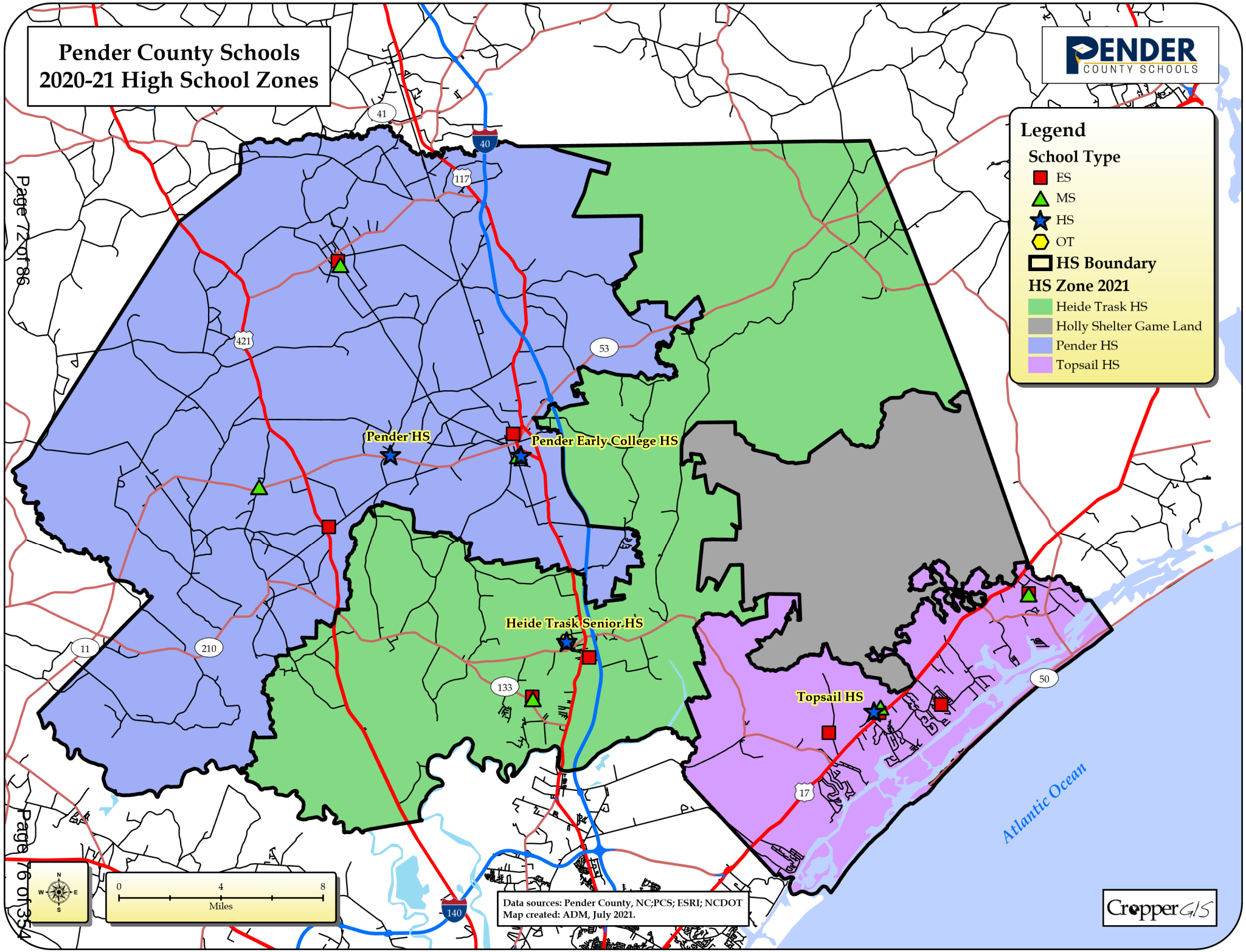
PENDER COUNTY SCHOOLS



High School 2020-21 Zones Enrollment Forecast

School Name	Capacity		Enrollment Forecast 2020-21	2025-26	2030-31
Heide Trask High School	815	Enrollment	693	672	676
		Utilization	85%	82%	83%
Pender High School	795	Enrollment	603	574	558
		Utilization	76%	72%	70%
Topsail High School	1,400	Enrollment	1549	1981	1979
		Utilization	111%	142%	141%
High School Totals	3,010	Enrollment	2,845	3,227	3,213
		Utilization	95%	107%	107%

School Name	Capacity		Enrollment Forecast 2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
Heide Trask High School	815	Enrollment	693	688	711	686	703	672	641	630	621	647	676
		Utilization	85%	84%	87%	84%	86%	82%	79%	77%	76%	79%	83%
Pender High School	795	Enrollment	603	633	647	655	621	574	561	535	551	556	558
		Utilization	76%	80%	81%	82%	78%	72%	71%	67%	69%	70%	70%
Topsail High School	1,400	Enrollment	1549	1623	1815	1866	1932	1981	1924	1912	1968	1940	1979
		Utilization	111%	116%	130%	133%	138%	142%	137%	137%	141%	139%	141%
High School Totals	3,010	Enrollment	2,845	2,944	3,173	3,207	3,256	3,227	3,126	3,077	3,140	3,143	3,213
		Utilization	95%	98%	105%	107%	108%	107%	104%	102%	104%	104%	107%


Pender County Schools
2020-21 High School Zones
PENDER COUNTY SCHOOLS
Legend
School Type
ES
MS
HS
OT
HS Boundary
HS Zone 2021
Heide Trask HS
Holly Shelter Game Land
Pender HS
Topsail HS
Pender HS
Pender Early College HS
Heide Trask Senior HS
Topsail HS
Atlantic Ocean
41
40
117
421
53
11
210
133
50
17
140
0
4
8
Miles
Data sources: Pender County, NC;PCS; ESRI; NCDOT
Map created: ADM, July 2021.
CropperGIS

Elementary School Option 1 Zones Enrollment Forecast

The following tables represent utilization estimates for an Option 1 redistricting scenario. Due to the uncertainty of the impacts of Covid-19 on future enrollment, the redistricting estimates are given in a low and high range. The low range uses the enrollment as forecasted, and high range assumes a 10% range of confidence for schools along the coastline, and a 5% confidence band for inland schools. This was developed based on findings and continued research of Pender County enrollment through the 2020-21 school year.

The Option 1 redistricting scenario assumes the following:

- Attempt to redistrict zones without any new construction.
- Provide capacity relief to the most overcrowded schools by sending students to adjacent schools in the district.
- Try to make utilization equitable for schools if at all possible, knowing there are concentrations of overcrowding within the county, particularly along with coastline.
- Adjust middle and high school zones to balance utilization if possible, and to align feeder patterns.

		Option 1 Enrollment Forecast			
School Name	Capacity		2020-21	2025-26	2030-31
C.F. Pope Elementary School	683	Low Enrollment	506	584	611
		Low Utilization	74%	86%	89%
		High Enrollment	540	618	645
		High Utilization	79%	91%	94%
Cape Fear Elementary School	676	Low Enrollment	594	644	613
		Low Utilization	88%	95%	91%
		High Enrollment	627	677	646
		High Utilization	93%	100%	96%
Malpass Corner Elementary School	667	Low Enrollment	498	509	498
		Low Utilization	75%	76%	75%
		High Enrollment	531	542	531
		High Utilization	80%	81%	80%
North Topsail Elementary School	511	Low Enrollment	480	515	538
		Low Utilization	94%	101%	105%
		High Enrollment	531	566	589
		High Utilization	104%	111%	115%
Penderlea Elementary and Middle School	565	Low Enrollment	505	502	489
		Low Utilization	89%	89%	87%
		High Enrollment	533	530	517
		High Utilization	94%	94%	92%
Rocky Point Elementary School	484	Low Enrollment	323	377	407
		Low Utilization	67%	78%	84%
		High Enrollment	347	401	431
		High Utilization	72%	83%	89%
South Topsail Elementary School	512	Low Enrollment	336	394	453
		Low Utilization	66%	77%	88%
		High Enrollment	387	445	504
		High Utilization	76%	87%	98%
Surf City Elementary School	750	Low Enrollment	743	805	804
		Low Utilization	99%	107%	107%
		High Enrollment	818	880	879
		High Utilization	109%	117%	117%
Topsail Elementary School	506	Low Enrollment	499	554	567
		Low Utilization	99%	110%	112%
		High Enrollment	550	605	618
		High Utilization	109%	120%	122%
Elementary School Totals	**5,354**	**Low Enrollment**	**4,483**	**4,883**	**4,979**
		Low Utilization	**84%**	**91%**	**93%**
		High Enrollment	**4,865**	**5,265**	**5,361**
		High Utilization	**91%**	**98%**	**100%**

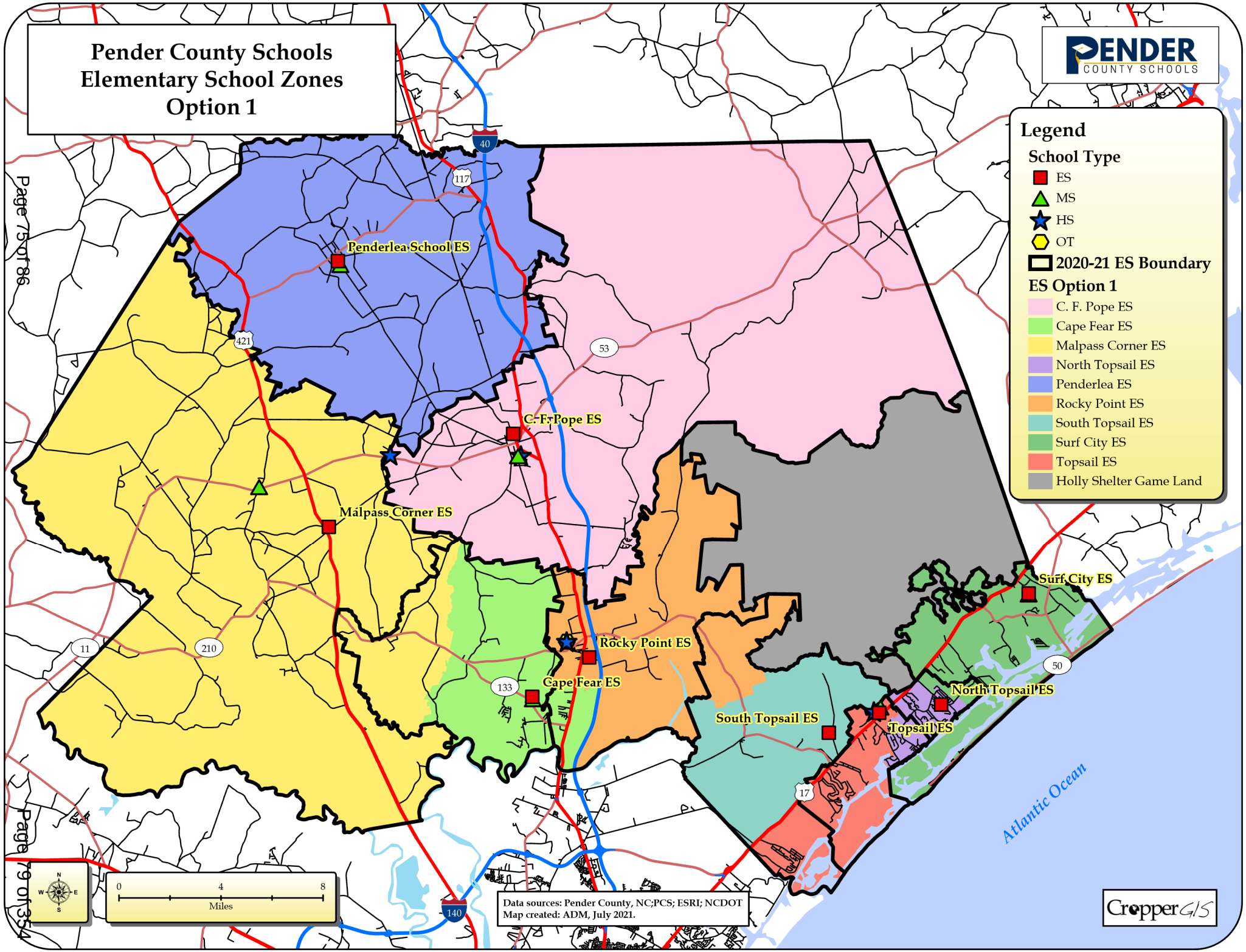
Elementary School Option 1 Zones Enrollment Forecast

The following shows the Option 1 utilization estimates for schools for every year out to 2030-31.

School Name	Capacity	Option 1 Enrollment Forecast	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
C.F. Pope Elementary School	683	Low Enrollment	506	561	571	581	587	584	591	598	603	607	611
		Low Utilization	74%	82%	84%	85%	86%	86%	87%	88%	88%	89%	89%
		High Enrollment	540	595	605	615	621	618	625	632	637	641	645
		High Utilization	79%	87%	89%	90%	91%	91%	92%	93%	93%	94%	94%
Cape Fear Elementary School	676	Low Enrollment	594	588	598	617	635	644	634	625	618	614	613
		Low Utilization	88%	87%	88%	91%	94%	95%	94%	92%	91%	91%	91%
		High Enrollment	627	621	631	650	668	677	667	658	651	647	646
		High Utilization	93%	92%	93%	96%	99%	100%	99%	97%	96%	96%	96%
Malpass Corner Elementary School	667	Low Enrollment	498	513	519	514	513	509	508	506	504	501	498
		Low Utilization	75%	77%	78%	77%	77%	76%	76%	76%	76%	75%	75%
		High Enrollment	531	546	552	547	546	542	541	539	537	534	531
		High Utilization	80%	82%	83%	82%	82%	81%	81%	81%	81%	80%	80%
North Topsail Elementary School	511	Low Enrollment	480	512	500	506	512	515	522	527	533	537	538
		Low Utilization	94%	100%	98%	99%	100%	101%	102%	103%	104%	105%	105%
		High Enrollment	531	563	551	557	563	566	573	578	584	588	589
		High Utilization	104%	110%	108%	109%	110%	111%	112%	113%	114%	115%	115%
Penderlea Elementary and Middle School	565	Low Enrollment	505	514	503	501	500	502	498	499	494	493	489
		Low Utilization	89%	91%	89%	89%	88%	89%	88%	88%	87%	87%	87%
		High Enrollment	533	542	531	529	528	530	526	527	522	521	517
		High Utilization	94%	96%	94%	94%	93%	94%	93%	93%	92%	92%	92%
Rocky Point Elementary School	484	Low Enrollment	323	350	357	360	372	377	386	393	399	403	407
		Low Utilization	67%	72%	74%	74%	77%	78%	80%	81%	82%	83%	84%
		High Enrollment	347	374	381	384	396	401	410	417	423	427	431
		High Utilization	72%	77%	79%	79%	82%	83%	85%	86%	87%	88%	89%
South Topsail Elementary School	512	Low Enrollment	336	355	345	353	373	394	411	426	438	447	453
		Low Utilization	66%	69%	67%	69%	73%	77%	80%	83%	86%	87%	88%
		High Enrollment	387	406	396	404	424	445	462	477	489	498	504
		High Utilization	76%	79%	77%	79%	83%	87%	90%	93%	96%	97%	98%
Surf City Elementary School	750	Low Enrollment	743	770	781	785	813	805	807	806	806	806	804
		Low Utilization	99%	103%	104%	105%	108%	107%	108%	107%	107%	107%	107%
		High Enrollment	818	845	856	860	888	880	882	881	881	881	879
		High Utilization	109%	113%	114%	115%	118%	117%	118%	117%	117%	117%	117%
Topsail Elementary School	506	Low Enrollment	499	525	514	527	542	554	565	573	577	574	567
		Low Utilization	99%	104%	102%	104%	107%	110%	112%	113%	114%	114%	112%
		High Enrollment	550	576	565	578	593	605	616	624	628	625	618
		High Utilization	109%	114%	112%	114%	117%	120%	122%	123%	124%	124%	122%
Elementary School Totals	**5,354**	**Low Enrollment**	**4,483**	**4,687**	**4,687**	**4,743**	**4,846**	**4,883**	**4,921**	**4,952**	**4,971**	**4,981**	**4,979**
		Low Utilization	**84%**	**88%**	**88%**	**89%**	**91%**	**91%**	**92%**	**92%**	**93%**	**93%**	**93%**
		High Enrollment	**4,865**	**5,069**	**5,069**	**5,125**	**5,228**	**5,265**	**5,303**	**5,334**	**5,353**	**5,363**	**5,361**
		High Utilization	**91%**	**95%**	**95%**	**96%**	**98%**	**98%**	**99%**	**100%**	**100%**	**100%**	**100%**

Pender County Schools
Elementary School Zones
Option 1

PENDER COUNTY SCHOOLS



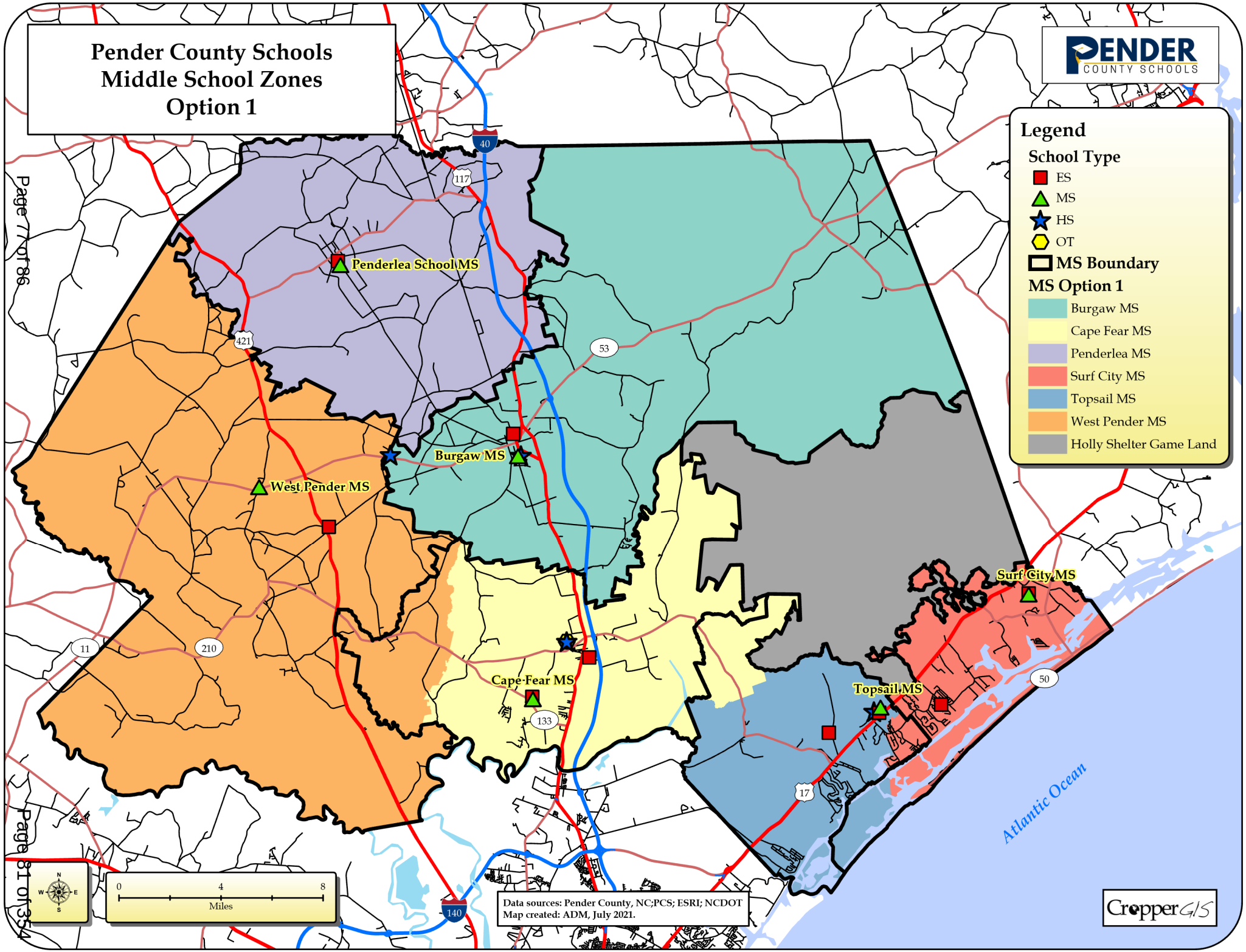
Middle School Option 1 Zones Enrollment Forecast

School Name	Capacity	Option 1 Enrollment Forecast	2020-21	2025-26	2030-31
Burgaw Middle School	322	Low Enrollment	288	230	243
		Low Utilization	89%	71%	75%
		High Enrollment	304	246	259
		High Utilization	94%	76%	80%
Cape Fear Middle School	691	Low Enrollment	432	387	470
		Low Utilization	63%	56%	68%
		High Enrollment	467	422	505
		High Utilization	68%	61%	73%
Surf City Middle School	750	Low Enrollment	739	708	734
		Low Utilization	98%	94%	98%
		High Enrollment	814	783	809
		High Utilization	108%	104%	108%
Topsail Middle School	745	Low Enrollment	530	523	683
		Low Utilization	71%	70%	92%
		High Enrollment	605	598	758
		High Utilization	81%	80%	102%
West Pender Middle School	307	Low Enrollment	210	198	192
		Low Utilization	68%	64%	62%
		High Enrollment	225	213	207
		High Utilization	73%	69%	67%
Middle School Totals	**2,815**	**Low Enrollment**	**2,199**	**2,046**	**2,322**
		Low Utilization	**78%**	**73%**	**82%**
		High Enrollment	**2,414**	**2,261**	**2,537**
		High Utilization	**86%**	**80%**	**90%**

School Name	Capacity	Option 1 Enrollment Forecast	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
Burgaw Middle School	322	Low Enrollment	288	252	241	211	215	230	236	240	233	238	243
		Low Utilization	89%	78%	75%	66%	67%	71%	73%	75%	72%	74%	75%
		High Enrollment	304	268	257	227	231	246	252	256	249	254	259
		High Utilization	94%	83%	80%	71%	72%	76%	78%	80%	77%	79%	80%
Cape Fear Middle School	691	Low Enrollment	432	437	416	420	377	387	418	458	471	471	470
		Low Utilization	63%	63%	60%	61%	55%	56%	61%	66%	68%	68%	68%
		High Enrollment	467	472	451	455	412	422	453	493	506	506	505
		High Utilization	68%	68%	65%	66%	60%	61%	66%	71%	73%	73%	73%
Surf City Middle School	750	Low Enrollment	739	718	694	713	702	708	709	737	727	731	734
		Low Utilization	98%	96%	92%	95%	94%	94%	94%	98%	97%	97%	98%
		High Enrollment	814	793	769	788	777	783	784	812	802	806	809
		High Utilization	108%	106%	102%	105%	104%	104%	104%	108%	107%	107%	108%
Topsail Middle School	745	Low Enrollment	530	527	539	546	551	523	539	581	614	651	683
		Low Utilization	71%	71%	72%	73%	74%	70%	72%	78%	82%	87%	92%
		High Enrollment	605	602	614	621	626	598	614	656	689	726	758
		High Utilization	81%	81%	82%	83%	84%	80%	82%	88%	92%	97%	102%
West Pender Middle School	307	Low Enrollment	210	205	196	194	190	198	194	196	192	193	192
		Low Utilization	68%	67%	64%	63%	62%	64%	63%	64%	62%	63%	62%
		High Enrollment	225	220	211	209	205	213	209	211	207	208	207
		High Utilization	73%	72%	69%	68%	67%	69%	68%	69%	67%	68%	67%
Middle School Totals	**2,815**	**Low Enrollment**	**2,199**	**2,139**	**2,086**	**2,084**	**2,035**	**2,046**	**2,096**	**2,212**	**2,237**	**2,284**	**2,322**
		Low Utilization	**78%**	**76%**	**74%**	**74%**	**72%**	**73%**	**74%**	**79%**	**79%**	**81%**	**82%**
		High Enrollment	**2,414**	**2,354**	**2,301**	**2,299**	**2,250**	**2,261**	**2,311**	**2,427**	**2,452**	**2,499**	**2,537**
		High Utilization	**86%**	**84%**	**82%**	**82%**	**80%**	**80%**	**82%**	**86%**	**87%**	**89%**	**90%**

Pender County Schools
Middle School Zones
Option 1

PENDER COUNTY SCHOOLS

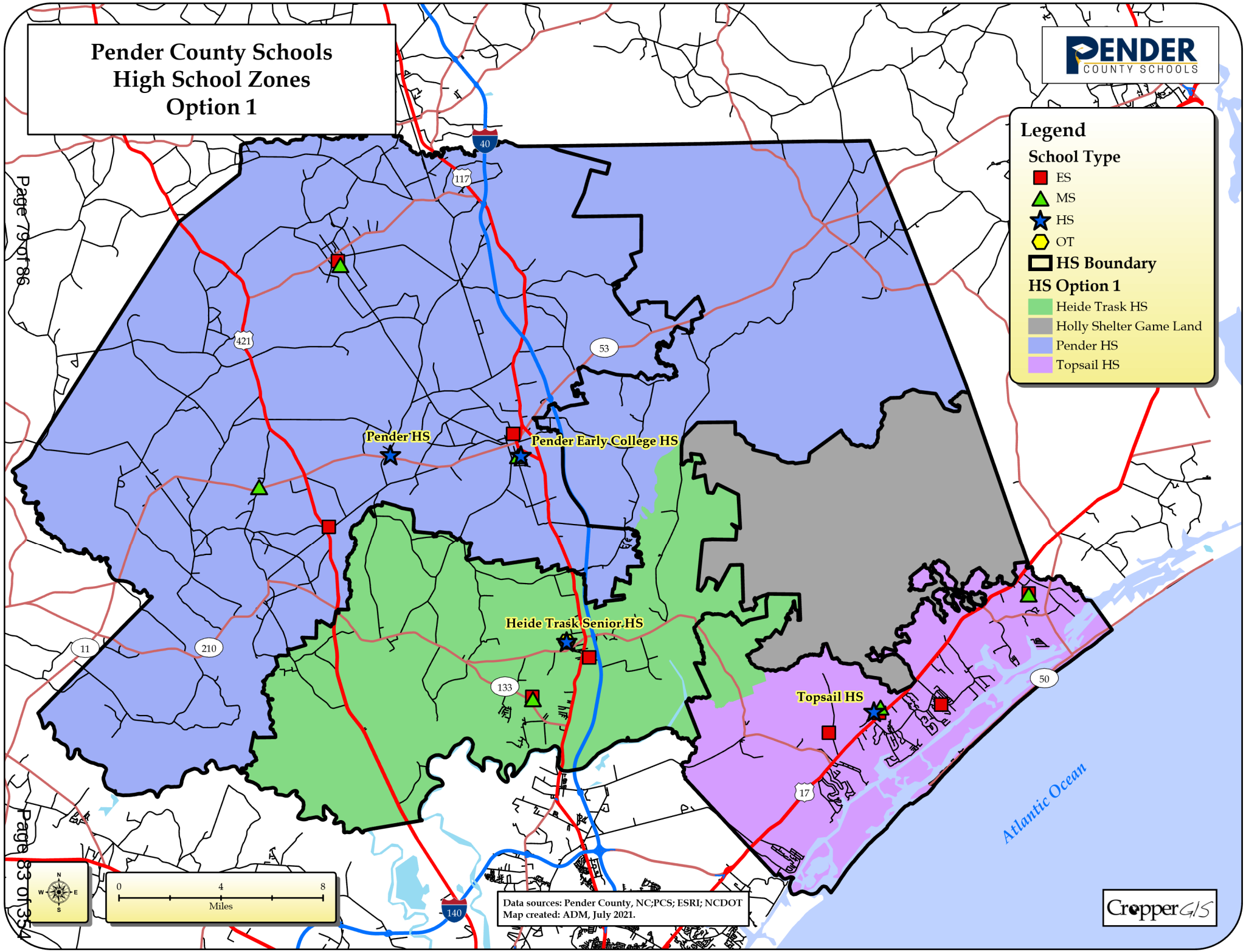


High School Option 1 Zones Enrollment Forecast

School Name	Capacity		Option 1 Enrollment Forecast 2020-21	2025-26	2030-31
Heide Trask High School	815	Low Enrollment	608	587	591
		Low Utilization	75%	72%	72%
		High Enrollment	648	627	631
		High Utilization	80%	77%	77%
Pender High School	795	Low Enrollment	672	643	627
		Low Utilization	84%	81%	79%
		High Enrollment	711	682	666
		High Utilization	89%	86%	84%
Topsail High School	1,400	Low Enrollment	1549	1981	1979
		Low Utilization	111%	142%	141%
		High Enrollment	1689	2121	2119
		High Utilization	121%	152%	151%
High School Totals	**3,010**	**Low Enrollment**	**2,828**	**3,210**	**3,196**
		Low Utilization	**94%**	**107%**	**106%**
		High Enrollment	**3,049**	**3,431**	**3,417**
		High Utilization	**101%**	**114%**	**114%**

School Name	Capacity		Option 1 Enrollment Forecast 2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
Heide Trask High School	815	Low Enrollment	608	603	626	601	618	587	556	545	536	562	591
		Low Utilization	75%	74%	77%	74%	76%	72%	68%	67%	66%	69%	72%
		High Enrollment	648	643	666	641	658	627	596	585	576	602	631
		High Utilization	80%	79%	82%	79%	81%	77%	73%	72%	71%	74%	77%
Pender High School	795	Low Enrollment	672	702	716	724	690	643	630	604	620	625	627
		Low Utilization	84%	88%	90%	91%	87%	81%	79%	76%	78%	79%	79%
		High Enrollment	711	741	755	763	729	682	669	643	659	664	666
		High Utilization	89%	93%	95%	96%	92%	86%	84%	81%	83%	84%	84%
Topsail High School	1,400	Low Enrollment	1549	1623	1815	1866	1932	1981	1924	1912	1968	1940	1979
		Low Utilization	111%	116%	130%	133%	138%	142%	137%	137%	141%	139%	141%
		High Enrollment	1689	1763	1955	2006	2072	2121	2064	2052	2108	2080	2119
		High Utilization	121%	126%	140%	143%	148%	152%	147%	147%	151%	149%	151%
High School Totals	**3,010**	**Low Enrollment**	**2,828**	**2,927**	**3,156**	**3,190**	**3,239**	**3,210**	**3,109**	**3,060**	**3,123**	**3,126**	**3,196**
		Low Utilization	**94%**	**97%**	**105%**	**106%**	**108%**	**107%**	**103%**	**102%**	**104%**	**104%**	**106%**
		High Enrollment	**3,049**	**3,148**	**3,377**	**3,411**	**3,460**	**3,431**	**3,330**	**3,281**	**3,344**	**3,347**	**3,417**
		High Utilization	**101%**	**105%**	**112%**	**113%**	**115%**	**114%**	**111%**	**109%**	**111%**	**111%**	**114%**

Pender County Schools
High School Zones
Option 1



Elementary School Option 2 Zones Enrollment Forecast

The following tables represent utilization estimates for an Option 2 redistricting scenario. Due to the uncertainty of the impacts of Covid-19 on future enrollment, the redistricting estimates are given in a low and high range. The low range uses the enrollment as forecasted, and high range assumes a 10% range of confidence for schools along the coastline, and a 5% confidence band for inland schools. This was developed based on findings and continued research of Pender County enrollment through the 2020-21 school year.

The Option 2 redistricting scenario assumes the following:

- Assume construction of a New Elementary (750 cap) and Middle School (1,000 cap), located along Route 17 south near the New Hanover County line. The map for option 2 depicts the approximate suggested location for the New ES/MS.
- Convert the current Topsail Middle School to a 9th grade center to provide immediate relief to Topsail High School.
- Redistrict to balance utilization among all schools in the district, as well as balancing feeder patterns.

		Option 2 Enrollment Forecast			
School Name	Capacity		2020-21	2025-26	2030-31
C.F. Pope Elementary School	683	Low Enrollment	506	584	611
		Low Utilization	74%	86%	89%
		High Enrollment	540	618	645
		High Utilization	79%	91%	94%
Cape Fear Elementary School	676	Low Enrollment	519	634	603
		Low Utilization	77%	94%	89%
		High Enrollment	553	668	637
		High Utilization	82%	99%	94%
Malpass Corner Elementary School	667	Low Enrollment	451	510	499
		Low Utilization	68%	76%	75%
		High Enrollment	484	543	532
		High Utilization	73%	81%	80%
North Topsail Elementary School	511	Low Enrollment	371	387	410
		Low Utilization	73%	76%	80%
		High Enrollment	422	438	461
		High Utilization	83%	86%	90%
New Elementary School	750	Low Enrollment	417	498	548
		Low Utilization	56%	66%	73%
		High Enrollment	492	573	623
		High Utilization	66%	76%	83%
Penderlea Elementary and Middle School	565	Low Enrollment	505	502	489
		Low Utilization	89%	89%	87%
		High Enrollment	533	530	517
		High Utilization	94%	94%	92%
Rocky Point Elementary School	484	Low Enrollment	440	383	413
		Low Utilization	91%	79%	85%
		High Enrollment	464	407	437
		High Utilization	96%	84%	90%
South Topsail Elementary School	512	Low Enrollment	332	359	388
		Low Utilization	65%	70%	76%
		High Enrollment	384	410	439
		High Utilization	75%	80%	86%
Surf City Elementary School	750	Low Enrollment	576	606	605
		Low Utilization	77%	81%	81%
		High Enrollment	651	681	680
		High Utilization	87%	91%	91%
Topsail Elementary School	506	Low Enrollment	377	433	426
		Low Utilization	75%	86%	84%
		High Enrollment	428	484	477
		High Utilization	85%	96%	94%
Elementary School Totals	**6,104**	**Low Enrollment**	**4,495**	**4,896**	**4,992**
		Low Utilization	**74%**	**80%**	**82%**
		High Enrollment	**4,951**	**5,353**	**5,449**
		High Utilization	**81%**	**88%**	**89%**

Elementary School Option 2 Zones Enrollment Forecast

The following shows the Option 2 utilization estimates for schools for every year out to 2030-31.

School Name	Capacity		Option 2 Enrollment Forecast										
			2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
C.F. Pope Elementary School	683	Low Enrollment	506	561	571	581	587	584	591	598	603	607	611
		Low Utilization	74%	82%	84%	85%	86%	86%	87%	88%	88%	89%	89%
		High Enrollment	540	595	605	615	621	618	625	632	637	641	645
		High Utilization	79%	87%	89%	90%	91%	91%	92%	93%	93%	94%	94%
Cape Fear Elementary School	676	Low Enrollment	519	578	588	607	625	634	624	615	608	604	603
		Low Utilization	77%	86%	87%	90%	92%	94%	92%	91%	90%	89%	89%
		High Enrollment	553	612	622	641	659	668	658	649	642	638	637
		High Utilization	82%	91%	92%	95%	97%	99%	97%	96%	95%	94%	94%
Malpass Corner Elementary School	667	Low Enrollment	451	514	520	515	514	510	509	507	505	502	499
		Low Utilization	68%	77%	78%	77%	77%	76%	76%	76%	76%	75%	75%
		High Enrollment	484	547	553	548	547	543	542	540	538	535	532
		High Utilization	73%	82%	83%	82%	82%	81%	81%	81%	81%	80%	80%
North Topsail Elementary School	511	Low Enrollment	371	384	372	378	384	387	394	399	405	409	410
		Low Utilization	73%	75%	73%	74%	75%	76%	77%	78%	79%	80%	80%
		High Enrollment	422	435	423	429	435	438	445	450	456	460	461
		High Utilization	83%	85%	83%	84%	85%	86%	87%	88%	89%	90%	90%
New Elementary School	750	Low Enrollment	417	458	468	478	488	498	508	518	528	538	548
		Low Utilization	56%	61%	62%	64%	65%	66%	68%	69%	70%	72%	73%
		High Enrollment	492	533	543	553	563	573	583	593	603	613	623
		High Utilization	66%	71%	72%	74%	75%	76%	78%	79%	80%	82%	83%
Penderlea Elementary and Middle School	565	Low Enrollment	505	514	503	501	500	502	498	499	494	493	489
		Low Utilization	89%	91%	89%	89%	88%	89%	88%	88%	87%	87%	87%
		High Enrollment	533	542	531	529	528	530	526	527	522	521	517
		High Utilization	94%	96%	94%	94%	93%	94%	93%	93%	92%	92%	92%
Rocky Point Elementary School	484	Low Enrollment	440	356	363	366	378	383	392	399	405	409	413
		Low Utilization	91%	74%	75%	76%	78%	79%	81%	82%	84%	85%	85%
		High Enrollment	464	380	387	390	402	407	416	423	429	433	437
		High Utilization	96%	79%	80%	81%	83%	84%	86%	87%	89%	90%	90%
South Topsail Elementary School	512	Low Enrollment	332	344	328	330	344	359	370	379	385	388	388
		Low Utilization	65%	67%	64%	64%	67%	70%	72%	74%	75%	76%	76%
		High Enrollment	384	395	379	381	395	410	421	430	436	439	439
		High Utilization	75%	77%	74%	74%	77%	80%	82%	84%	85%	86%	86%
Surf City Elementary School	750	Low Enrollment	576	571	582	586	614	606	608	607	607	607	605
		Low Utilization	77%	76%	78%	78%	82%	81%	81%	81%	81%	81%	81%
		High Enrollment	651	646	657	661	689	681	683	682	682	682	680
		High Utilization	87%	86%	88%	88%	92%	91%	91%	91%	91%	91%	91%
Topsail Elementary School	506	Low Enrollment	377	420	405	414	425	433	440	444	444	437	426
		Low Utilization	75%	83%	80%	82%	84%	86%	87%	88%	88%	86%	84%
		High Enrollment	428	471	456	465	476	484	491	495	495	488	477
		High Utilization	85%	93%	90%	92%	94%	96%	97%	98%	98%	96%	94%
Elementary School Totals	**6,104**	**Low Enrollment**	**4,495**	**4,700**	**4,700**	**4,756**	**4,859**	**4,896**	**4,934**	**4,965**	**4,984**	**4,994**	**4,992**
		Low Utilization	**74%**	**77%**	**77%**	**78%**	**80%**	**80%**	**81%**	**81%**	**82%**	**82%**	**82%**
		High Enrollment	**4,951**	**5,157**	**5,157**	**5,213**	**5,316**	**5,353**	**5,391**	**5,422**	**5,441**	**5,451**	**5,449**
		High Utilization	**81%**	**84%**	**84%**	**85%**	**87%**	**88%**	**88%**	**89%**	**89%**	**89%**	**89%**

Pender County Schools
Elementary School Zones
Option 2

PENDER COUNTY SCHOOLS

Legend

School Type

- ES
- MS
- HS
- OT

2020-21 ES Boundary

ES Option 2

- C. F. Pope ES
- Cape Fear ES
- Malpass Corner ES
- North Topsail ES
- Penderlea ES
- Rocky Point ES
- South Topsail ES
- Surf City ES
- Topsail ES
- Holly Shelter Game Land
- New ES

Penderlea School ES
C. F. Pope ES
Malpass Corner ES
Rocky Point ES
Cape Fear ES
Surf City ES
North Topsail ES
South Topsail ES
Topsail ES
New ES
Atlantic Ocean

40 117 421 53 11 210 133 50 17 140

0 4 8
Miles

Data sources: Pender County, NC;PCS; ESRI; NCDOT
Map created: ADM, July 2021.

Cropper GIS

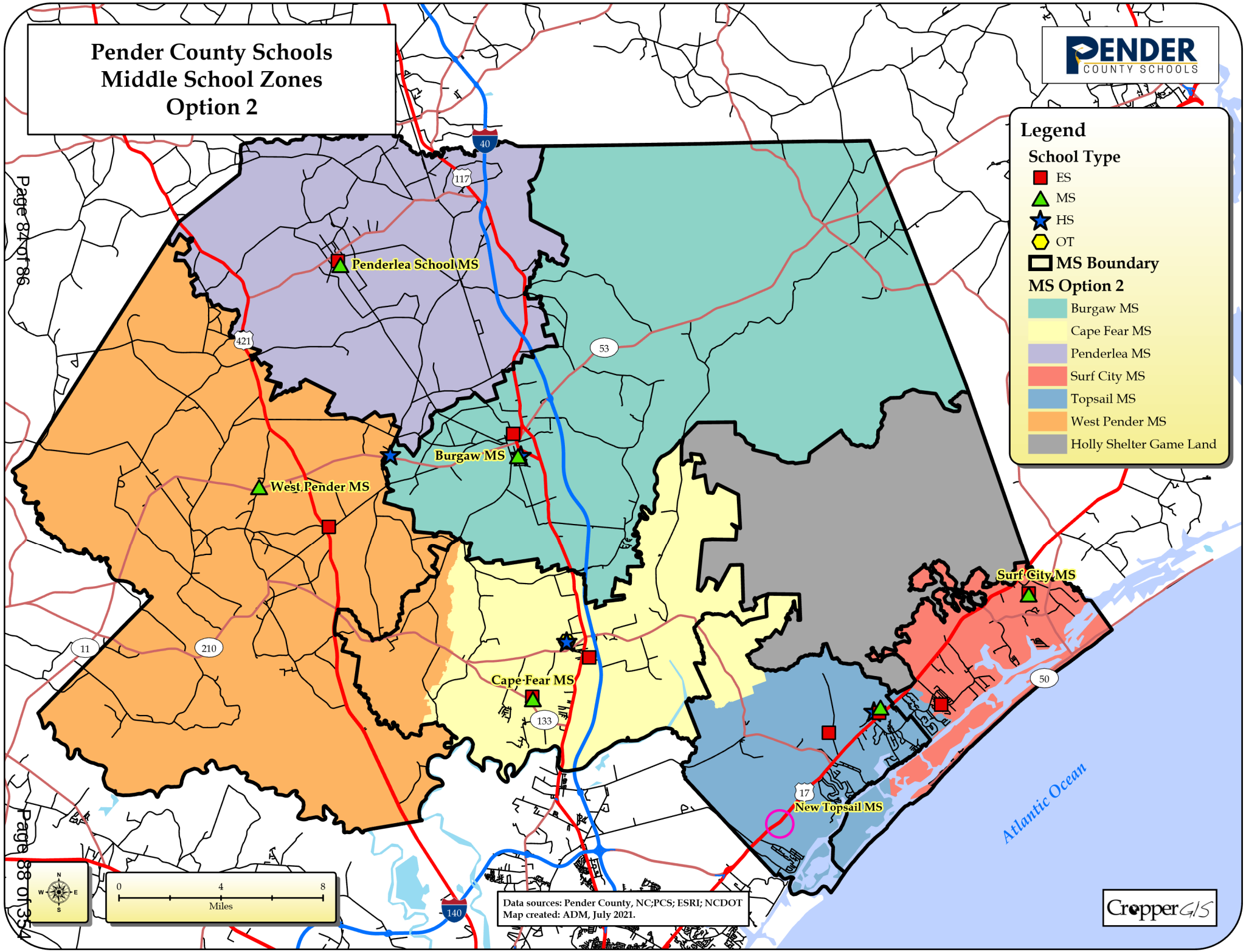
Middle School Option 2 Zones Enrollment Forecast

School Name	Capacity	Option 2 Enrollment Forecast	2020-21	2025-26	2030-31
Burgaw Middle School	322	Low Enrollment	288	230	243
		Low Utilization	89%	71%	75%
		High Enrollment	304	246	259
		High Utilization	94%	76%	80%
Cape Fear Middle School	691	Low Enrollment	435	390	473
		Low Utilization	63%	56%	68%
		High Enrollment	470	425	508
		High Utilization	68%	61%	73%
Surf City Middle School	750	Low Enrollment	544	513	539
		Low Utilization	73%	68%	72%
		High Enrollment	619	588	614
		High Utilization	83%	78%	82%
Topsail Middle School	1000	Low Enrollment	735	728	888
		Low Utilization	74%	73%	89%
		High Enrollment	835	828	988
		High Utilization	84%	83%	99%
West Pender Middle School	307	Low Enrollment	213	201	195
		Low Utilization	69%	65%	64%
		High Enrollment	228	216	210
		High Utilization	74%	70%	69%
Middle School Totals	**3,070**	**Low Enrollment**	**2,215**	**2,062**	**2,338**
		Low Utilization	**79%**	**73%**	**83%**
		High Enrollment	**2,456**	**2,303**	**2,579**
		High Utilization	**87%**	**82%**	**92%**

School Name	Capacity	Option 2 Enrollment Forecast	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
Burgaw Middle School	322	Low Enrollment	288	252	241	211	215	230	236	240	233	238	243
		Low Utilization	89%	78%	75%	66%	67%	71%	73%	75%	72%	74%	75%
		High Enrollment	304	268	257	227	231	246	252	256	249	254	259
		High Utilization	94%	83%	80%	71%	72%	76%	78%	80%	77%	79%	80%
Cape Fear Middle School	691	Low Enrollment	435	440	419	423	380	390	421	461	474	474	473
		Low Utilization	63%	64%	61%	61%	55%	56%	61%	67%	69%	69%	68%
		High Enrollment	470	475	454	458	415	425	456	496	509	509	508
		High Utilization	68%	69%	66%	66%	60%	61%	66%	72%	74%	74%	73%
Surf City Middle School	750	Low Enrollment	544	523	499	518	507	513	514	542	532	536	539
		Low Utilization	73%	70%	67%	69%	68%	68%	69%	72%	71%	71%	72%
		High Enrollment	619	598	574	593	582	588	589	617	607	611	614
		High Utilization	83%	80%	77%	79%	78%	78%	79%	82%	81%	81%	82%
Topsail Middle School	1000	Low Enrollment	735	732	744	751	756	728	744	786	819	856	888
		Low Utilization	74%	73%	74%	75%	76%	73%	74%	79%	82%	86%	89%
		High Enrollment	835	832	844	851	856	828	844	886	919	956	988
		High Utilization	84%	83%	84%	85%	86%	83%	84%	89%	92%	96%	99%
West Pender Middle School	307	Low Enrollment	213	208	199	197	193	201	197	199	195	196	195
		Low Utilization	69%	68%	65%	64%	63%	65%	64%	65%	64%	64%	64%
		High Enrollment	228	223	214	212	208	216	212	214	210	211	210
		High Utilization	74%	73%	70%	69%	68%	70%	69%	70%	69%	69%	69%
Middle School Totals	**3,070**	**Low Enrollment**	**2,215**	**2,155**	**2,102**	**2,100**	**2,051**	**2,062**	**2,112**	**2,228**	**2,253**	**2,300**	**2,338**
		Low Utilization	**79%**	**77%**	**75%**	**75%**	**73%**	**73%**	**75%**	**79%**	**80%**	**82%**	**83%**
		High Enrollment	**2,456**	**2,396**	**2,343**	**2,341**	**2,292**	**2,303**	**2,353**	**2,469**	**2,494**	**2,541**	**2,579**
		High Utilization	**87%**	**85%**	**83%**	**83%**	**81%**	**82%**	**84%**	**88%**	**89%**	**90%**	**92%**

Pender County Schools
Middle School Zones
Option 2

PENDER COUNTY SCHOOLS

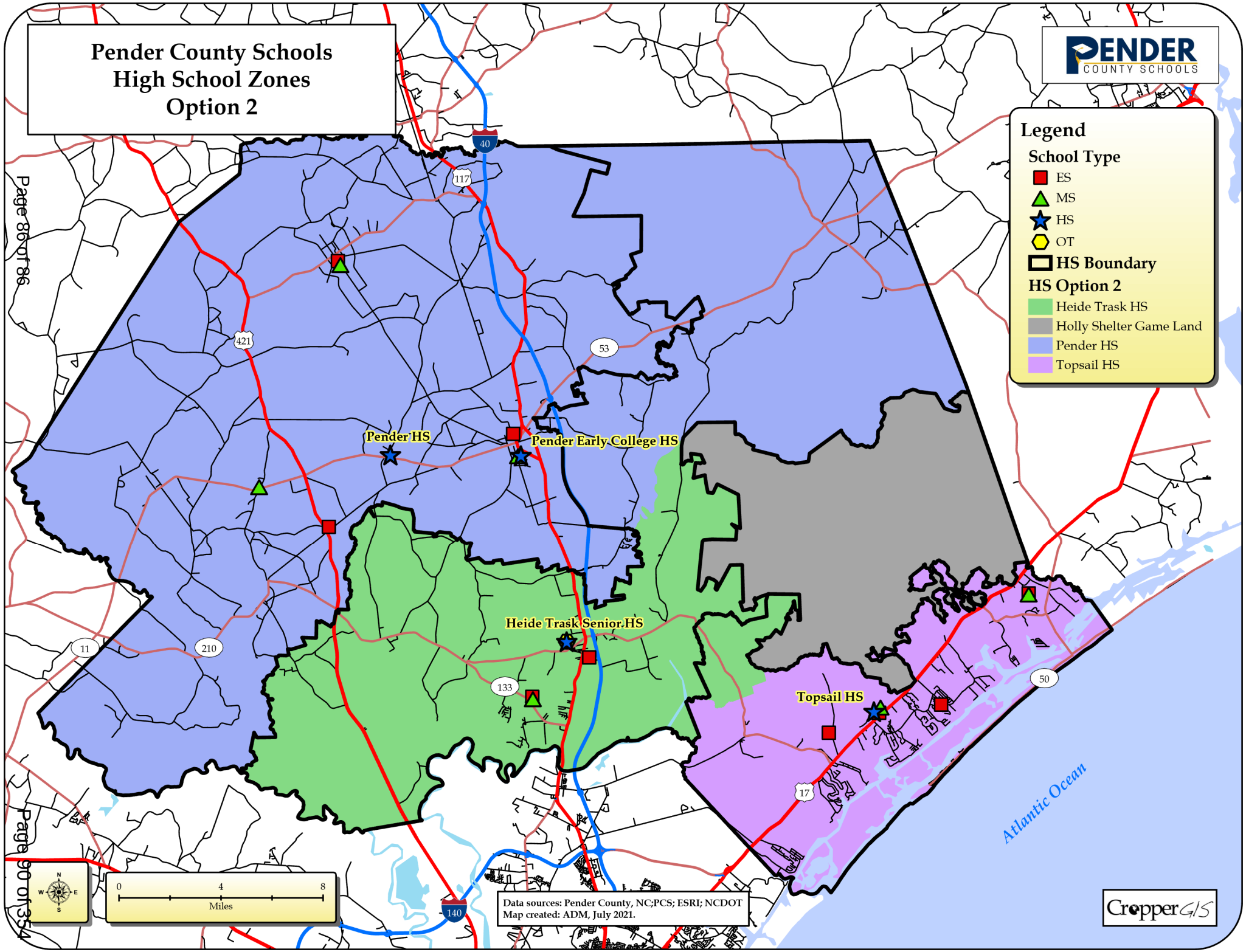


High School Option 2 Zones Enrollment Forecast

School Name	Capacity		Option 2 Enrollment Forecast 2020-21	2025-26	2030-31
Heide Trask High School	815	Low Enrollment	619	598	602
		Low Utilization	76%	73%	74%
		High Enrollment	660	639	643
		High Utilization	81%	78%	79%
Pender High School	795	Low Enrollment	677	648	632
		Low Utilization	85%	82%	79%
		High Enrollment	717	688	672
		High Utilization	90%	87%	84%
Topsail High School	2,145	Low Enrollment	1549	1981	1979
		Low Utilization	72%	92%	92%
		High Enrollment	1764	2196	2194
		High Utilization	82%	102%	102%
High School Totals	3,755	Low Enrollment	2,845	3,227	3,213
		Low Utilization	76%	86%	86%
		High Enrollment	3,140	3,522	3,508
		High Utilization	84%	94%	93%

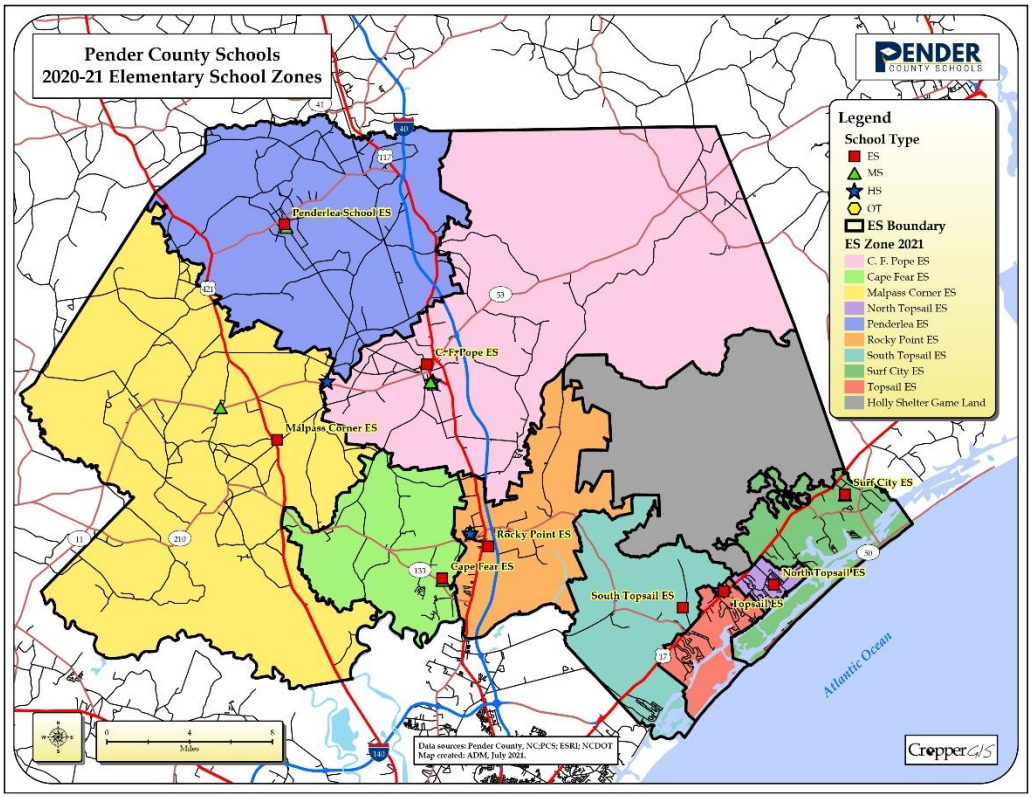
School Name	Capacity		Option 2 Enrollment Forecast 2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
Heide Trask High School	815	Low Enrollment	619	614	637	612	629	598	567	556	547	573	602
		Low Utilization	76%	75%	78%	75%	77%	73%	70%	68%	67%	70%	74%
		High Enrollment	660	655	678	653	670	639	608	597	588	614	643
		High Utilization	81%	80%	83%	80%	82%	78%	75%	73%	72%	75%	79%
Pender High School	795	Low Enrollment	677	707	721	729	695	648	635	609	625	630	632
		Low Utilization	85%	89%	91%	92%	87%	82%	80%	77%	79%	79%	79%
		High Enrollment	717	747	761	769	735	688	675	649	665	670	672
		High Utilization	90%	94%	96%	97%	92%	87%	85%	82%	84%	84%	84%
Topsail High School	2,145	Low Enrollment	1549	1623	1815	1866	1932	1981	1924	1912	1968	1940	1979
		Low Utilization	72%	76%	85%	87%	90%	92%	90%	89%	92%	90%	92%
		High Enrollment	1764	1838	2030	2081	2147	2196	2139	2127	2183	2155	2194
		High Utilization	82%	86%	95%	97%	100%	102%	100%	99%	102%	100%	102%
High School Totals	3,755	Low Enrollment	2,845	2,944	3,173	3,207	3,256	3,227	3,126	3,077	3,140	3,143	3,213
		Low Utilization	76%	78%	85%	85%	87%	86%	83%	82%	84%	84%	86%
		High Enrollment	3,140	3,239	3,468	3,502	3,551	3,522	3,421	3,372	3,435	3,438	3,508
		High Utilization	84%	86%	92%	93%	95%	94%	91%	90%	91%	92%	93%

Pender County Schools
High School Zones
Option 2



Pender County Schools, NC

Options Statistics



The following document contains a series of tables depicting utilization as a percentage for each zoned school in the district. Utilization is calculated by dividing the actual or forecasted enrollment of each school by year by the calculated facility capacity. Actual enrollment for the 2020-21 school year is based on the Fall 2020 student enrollment received from the district. Forecasted enrollment is based on the results of the 2020 Demographic Study. Utilization percentages are color-coded according to the key seen in the table to the right.

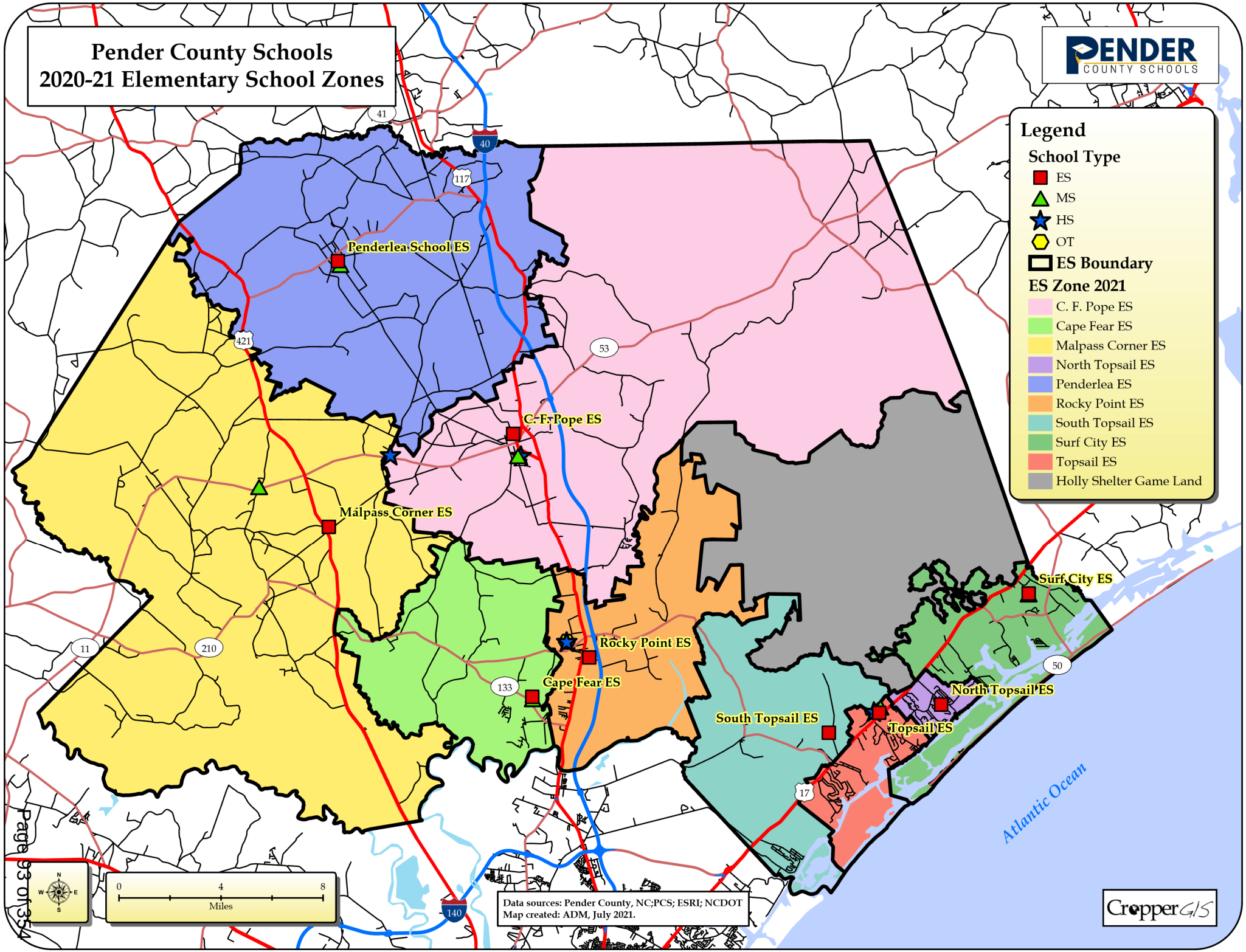
Utilization Color Key
Over 105%
96% to 105%
86% to 95%
76% to 85%
65% to 75%
Under 65%

The utilization forecast below depicts the current and forecasted utilization based on the school zones as they are in 2020-21.

Elementary School 2020-21 Zones Enrollment Forecast

School Name	Capacity		Enrollment Forecast 2020-21	2025-26	2030-31
C.F. Pope Elementary School	683	Enrollment	506	584	611
		Utilization	74%	86%	89%
Cape Fear Elementary School	676	Enrollment	519	569	538
		Utilization	77%	84%	80%
Malpass Corner Elementary School	667	Enrollment	451	462	451
		Utilization	68%	69%	68%
North Topsail Elementary School	511	Enrollment	472	507	530
		Utilization	92%	99%	104%
Penderlea Elementary and Middle School	565	Enrollment	505	502	489
		Utilization	89%	89%	87%
Rocky Point Elementary School	484	Enrollment	440	494	524
		Utilization	91%	102%	108%
South Topsail Elementary School	512	Enrollment	395	453	512
		Utilization	77%	88%	100%
Surf City Elementary School	750	Enrollment	590	652	651
		Utilization	79%	87%	87%
Topsail Elementary School	506	Enrollment	618	673	686
		Utilization	122%	133%	136%
Elementary School Totals	5,354	Enrollment	4,496	4,896	4,992
		Utilization	84%	91%	93%

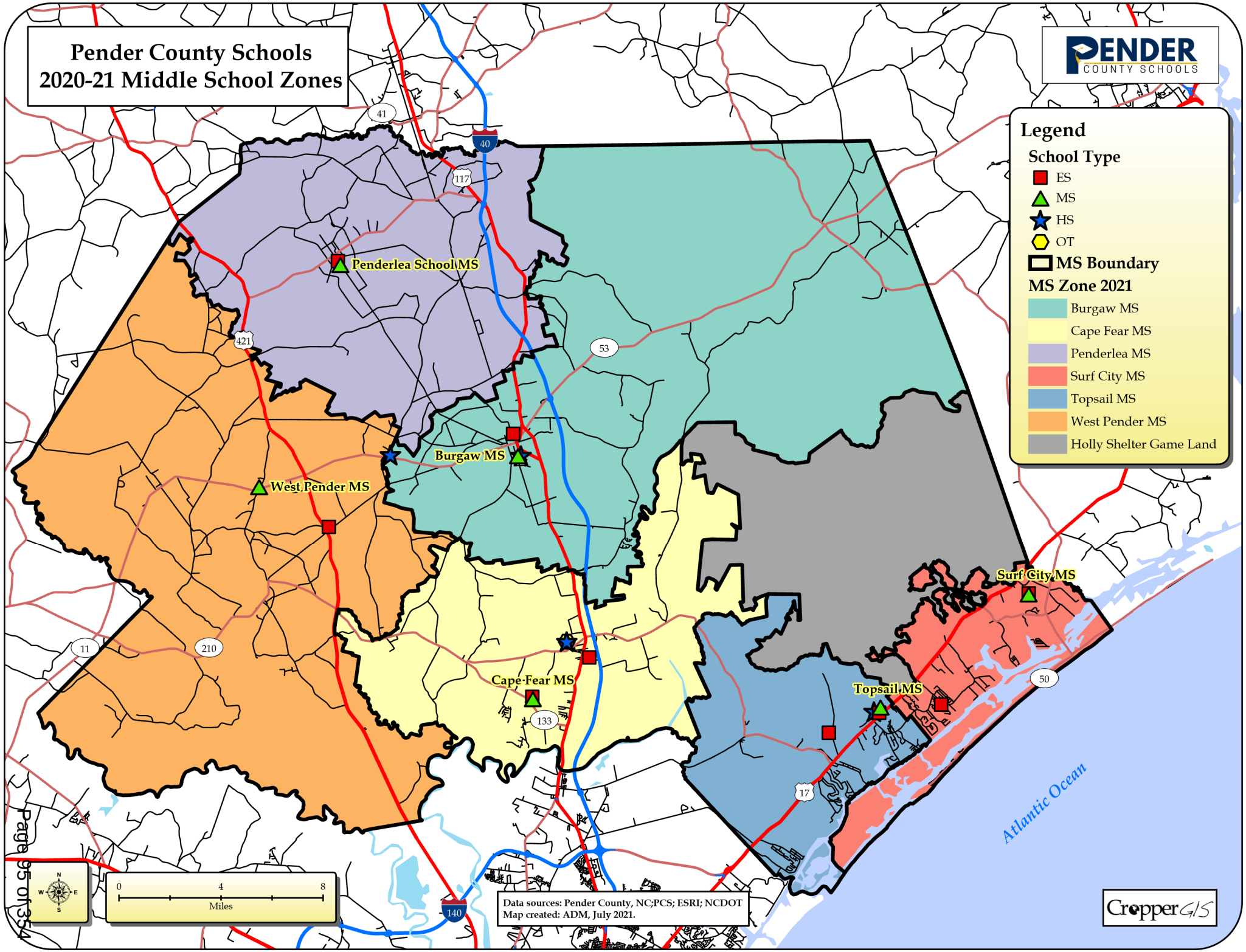
School Name	Capacity		Enrollment Forecast 2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
C.F. Pope Elementary School	683	Enrollment	506	561	571	581	587	584	591	598	603	607	611
		Utilization	74%	82%	84%	85%	86%	86%	87%	88%	88%	89%	89%
Cape Fear Elementary School	676	Enrollment	519	513	523	542	560	569	559	550	543	539	538
		Utilization	77%	76%	77%	80%	83%	84%	83%	81%	80%	80%	80%
Malpass Corner Elementary School	667	Enrollment	451	466	472	467	466	462	461	459	457	454	451
		Utilization	68%	70%	71%	70%	70%	69%	69%	69%	69%	68%	68%
North Topsail Elementary School	511	Enrollment	472	504	492	498	504	507	514	519	525	529	530
		Utilization	92%	99%	96%	97%	99%	99%	101%	102%	103%	104%	104%
Penderlea Elementary and Middle School	565	Enrollment	505	514	503	501	500	502	498	499	494	493	489
		Utilization	89%	91%	89%	89%	88%	89%	88%	88%	87%	87%	87%
Rocky Point Elementary School	484	Enrollment	440	467	474	477	489	494	503	510	516	520	524
		Utilization	91%	96%	98%	99%	101%	102%	104%	105%	107%	107%	108%
South Topsail Elementary School	512	Enrollment	395	414	404	412	432	453	470	485	497	506	512
		Utilization	77%	81%	79%	80%	84%	88%	92%	95%	97%	99%	100%
Surf City Elementary School	750	Enrollment	590	617	628	632	660	652	654	653	653	653	651
		Utilization	79%	82%	84%	84%	88%	87%	87%	87%	87%	87%	87%
Topsail Elementary School	506	Enrollment	618	644	633	646	661	673	684	692	696	693	686
		Utilization	122%	127%	125%	128%	131%	133%	135%	137%	138%	137%	136%
Elementary School Totals	5,354	Enrollment	4,496	4,700	4,700	4,756	4,859	4,896	4,934	4,965	4,984	4,994	4,992
		Utilization	84%	88%	88%	89%	91%	91%	92%	93%	93%	93%	93%


Pender County Schools
2020-21 Elementary School Zones
PENDER COUNTY SCHOOLS
Legend
School Type
ES
MS
HS
OT
ES Boundary
ES Zone 2021
C. F. Pope ES
Cape Fear ES
Malpass Corner ES
North Topsail ES
Penderlea ES
Rocky Point ES
South Topsail ES
Surf City ES
Topsail ES
Holly Shelter Game Land
Penderlea School ES
C. F. Pope ES
Malpass Corner ES
Rocky Point ES
Cape Fear ES
Surf City ES
North Topsail ES
South Topsail ES
Topsail ES
Atlantic Ocean
41
40
117
421
53
11
210
133
50
17
140
0
4
8
Miles
Data sources: Pender County, NC;PCS; ESRI; NCDOT
Map created: ADM, July 2021.
CropperGIS

Middle School 2020-21 Zones Enrollment Forecast

School Name	Capacity		Enrollment Forecast 2020-21	2025-26	2030-31
Burgaw Middle School	322	Enrollment	288	230	243
		Utilization	89%	71%	75%
Cape Fear Middle School	691	Enrollment	460	415	498
		Utilization	67%	60%	72%
Surf City Middle School	750	Enrollment	649	618	644
		Utilization	87%	82%	86%
Topsail Middle School	745	Enrollment	634	627	787
		Utilization	85%	84%	106%
West Pender Middle School	307	Enrollment	184	172	166
		Utilization	60%	56%	54%
Middle School Totals	2,815	Enrollment	2,215	2,062	2,338
		Utilization	79%	73%	83%

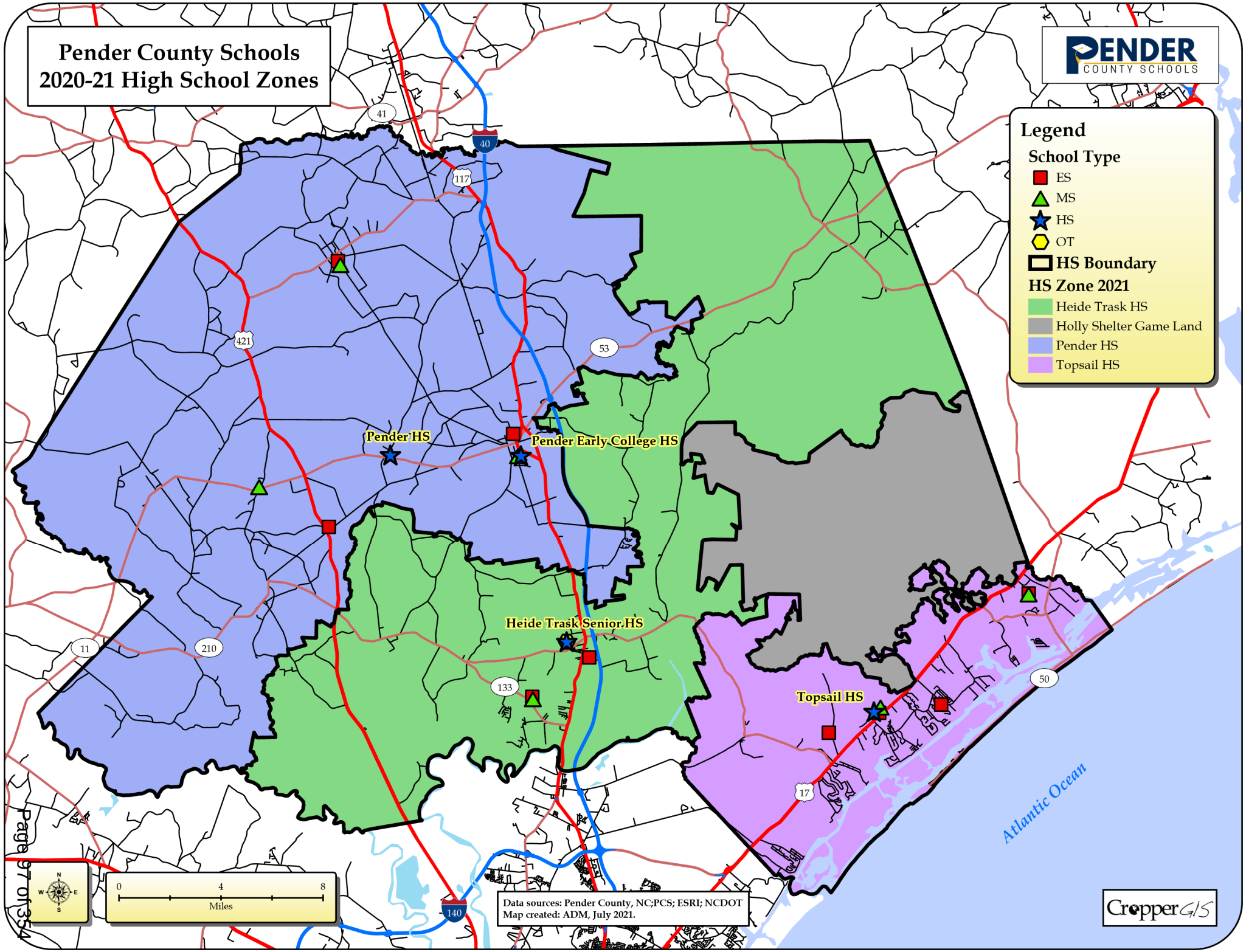
School Name	Capacity		Enrollment Forecast 2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
Burgaw Middle School	322	Enrollment	288	252	241	211	215	230	236	240	233	238	243
		Utilization	89%	78%	75%	66%	67%	71%	73%	75%	72%	74%	75%
Cape Fear Middle School	691	Enrollment	460	465	444	448	405	415	446	486	499	499	498
		Utilization	67%	67%	64%	65%	59%	60%	65%	70%	72%	72%	72%
Surf City Middle School	750	Enrollment	649	628	604	623	612	618	619	647	637	641	644
		Utilization	87%	84%	81%	83%	82%	82%	83%	86%	85%	85%	86%
Topsail Middle School	745	Enrollment	634	631	643	650	655	627	643	685	718	755	787
		Utilization	85%	85%	86%	87%	88%	84%	86%	92%	96%	101%	106%
West Pender Middle School	307	Enrollment	184	179	170	168	164	172	168	170	166	167	166
		Utilization	60%	58%	55%	55%	53%	56%	55%	55%	54%	54%	54%
Middle School Totals	2,815	Enrollment	2,215	2,155	2,102	2,100	2,051	2,062	2,112	2,228	2,253	2,300	2,338
		Utilization	79%	77%	75%	75%	73%	73%	75%	79%	80%	82%	83%


Pender County Schools
2020-21 Middle School Zones
PENDER COUNTY SCHOOLS
Legend
School Type
ES
MS
HS
OT
MS Boundary
MS Zone 2021
Burgaw MS
Cape Fear MS
Penderlea MS
Surf City MS
Topsail MS
West Pender MS
Holly Shelter Game Land
Penderlea School MS
Burgaw MS
West Pender MS
Cape Fear MS
Surf City MS
Topsail MS
Atlantic Ocean
41
40
117
421
53
11
210
133
50
17
140
0
4
8
Miles
Data sources: Pender County, NC;PCS; ESRI; NCDOT
Map created: ADM, July 2021.
CropperGIS

High School 2020-21 Zones Enrollment Forecast

School Name	Capacity		Enrollment Forecast 2020-21	2025-26	2030-31
Heide Trask High School	815	Enrollment	693	672	676
		Utilization	85%	82%	83%
Pender High School	795	Enrollment	603	574	558
		Utilization	76%	72%	70%
Topsail High School	1,400	Enrollment	1549	1981	1979
		Utilization	111%	142%	141%
High School Totals	3,010	Enrollment	2,845	3,227	3,213
		Utilization	95%	107%	107%

School Name	Capacity		Enrollment Forecast 2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
Heide Trask High School	815	Enrollment	693	688	711	686	703	672	641	630	621	647	676
		Utilization	85%	84%	87%	84%	86%	82%	79%	77%	76%	79%	83%
Pender High School	795	Enrollment	603	633	647	655	621	574	561	535	551	556	558
		Utilization	76%	80%	81%	82%	78%	72%	71%	67%	69%	70%	70%
Topsail High School	1,400	Enrollment	1549	1623	1815	1866	1932	1981	1924	1912	1968	1940	1979
		Utilization	111%	116%	130%	133%	138%	142%	137%	137%	141%	139%	141%
High School Totals	3,010	Enrollment	2,845	2,944	3,173	3,207	3,256	3,227	3,126	3,077	3,140	3,143	3,213
		Utilization	95%	98%	105%	107%	108%	107%	104%	102%	104%	104%	107%


Pender County Schools
2020-21 High School Zones
PENDER COUNTY SCHOOLS
Legend
School Type
ES
MS
HS
OT
HS Boundary
HS Zone 2021
Heide Trask HS
Holly Shelter Game Land
Pender HS
Topsail HS
Pender HS
Pender Early College HS
Heide Trask Senior HS
Topsail HS
Atlantic Ocean
41
40
117
421
53
11
210
133
50
17
140
0
4
8
Miles
Data sources: Pender County, NC;PCS; ESRI; NCDOT
Map created: ADM, July 2021.
CropperGIS

Elementary School Option 1 Zones Enrollment Forecast

The following tables represent utilization estimates for an Option 1 redistricting scenario. Due to the uncertainty of the impacts of Covid-19 on future enrollment, the redistricting estimates are given in a low and high range. The low range uses the enrollment as forecasted, and high range assumes a 10% range of confidence for schools along the coastline, and a 5% confidence band for inland schools. This was developed based on findings and continued research of Pender County enrollment through the 2020-21 school year.

The Option 1 redistricting scenario assumes the following:

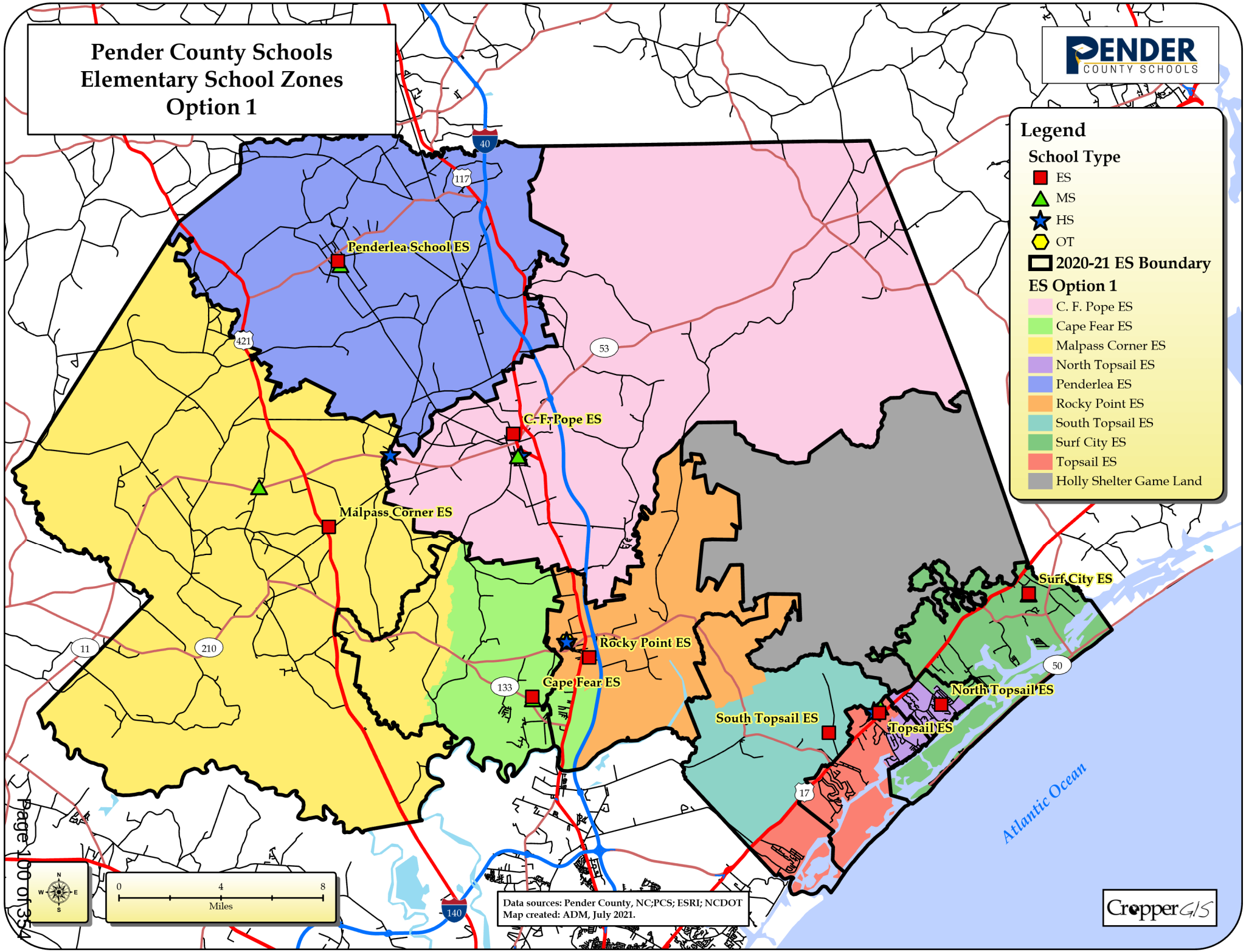
- Attempt to redistrict zones without any new construction.
- Provide capacity relief to the most overcrowded schools by sending students to adjacent schools in the district.
- Try to make utilization equitable for schools if at all possible, knowing there are concentrations of overcrowding within the county, particularly along with coastline.
- Adjust middle and high school zones to balance utilization if possible, and to align feeder patterns.

		Option 1 Enrollment Forecast			
School Name	Capacity		2020-21	2025-26	2030-31
C.F. Pope Elementary School	683	Low Enrollment	506	584	611
		Low Utilization	74%	86%	89%
		High Enrollment	540	618	645
		High Utilization	79%	91%	94%
Cape Fear Elementary School	676	Low Enrollment	594	644	613
		Low Utilization	88%	95%	91%
		High Enrollment	627	677	646
		High Utilization	93%	100%	96%
Malpass Corner Elementary School	667	Low Enrollment	498	509	498
		Low Utilization	75%	76%	75%
		High Enrollment	531	542	531
		High Utilization	80%	81%	80%
North Topsail Elementary School	511	Low Enrollment	480	515	538
		Low Utilization	94%	101%	105%
		High Enrollment	531	566	589
		High Utilization	104%	111%	115%
Penderlea Elementary and Middle School	565	Low Enrollment	505	502	489
		Low Utilization	89%	89%	87%
		High Enrollment	533	530	517
		High Utilization	94%	94%	92%
Rocky Point Elementary School	484	Low Enrollment	323	377	407
		Low Utilization	67%	78%	84%
		High Enrollment	347	401	431
		High Utilization	72%	83%	89%
South Topsail Elementary School	512	Low Enrollment	336	394	453
		Low Utilization	66%	77%	88%
		High Enrollment	387	445	504
		High Utilization	76%	87%	98%
Surf City Elementary School	750	Low Enrollment	743	805	804
		Low Utilization	99%	107%	107%
		High Enrollment	818	880	879
		High Utilization	109%	117%	117%
Topsail Elementary School	506	Low Enrollment	499	554	567
		Low Utilization	99%	110%	112%
		High Enrollment	550	605	618
		High Utilization	109%	120%	122%
Elementary School Totals	**5,354**	**Low Enrollment**	**4,483**	**4,883**	**4,979**
		Low Utilization	**84%**	**91%**	**93%**
		High Enrollment	**4,865**	**5,265**	**5,361**
		High Utilization	**91%**	**98%**	**100%**

Elementary School Option 1 Zones Enrollment Forecast

The following shows the Option 1 utilization estimates for schools for every year out to 2030-31.

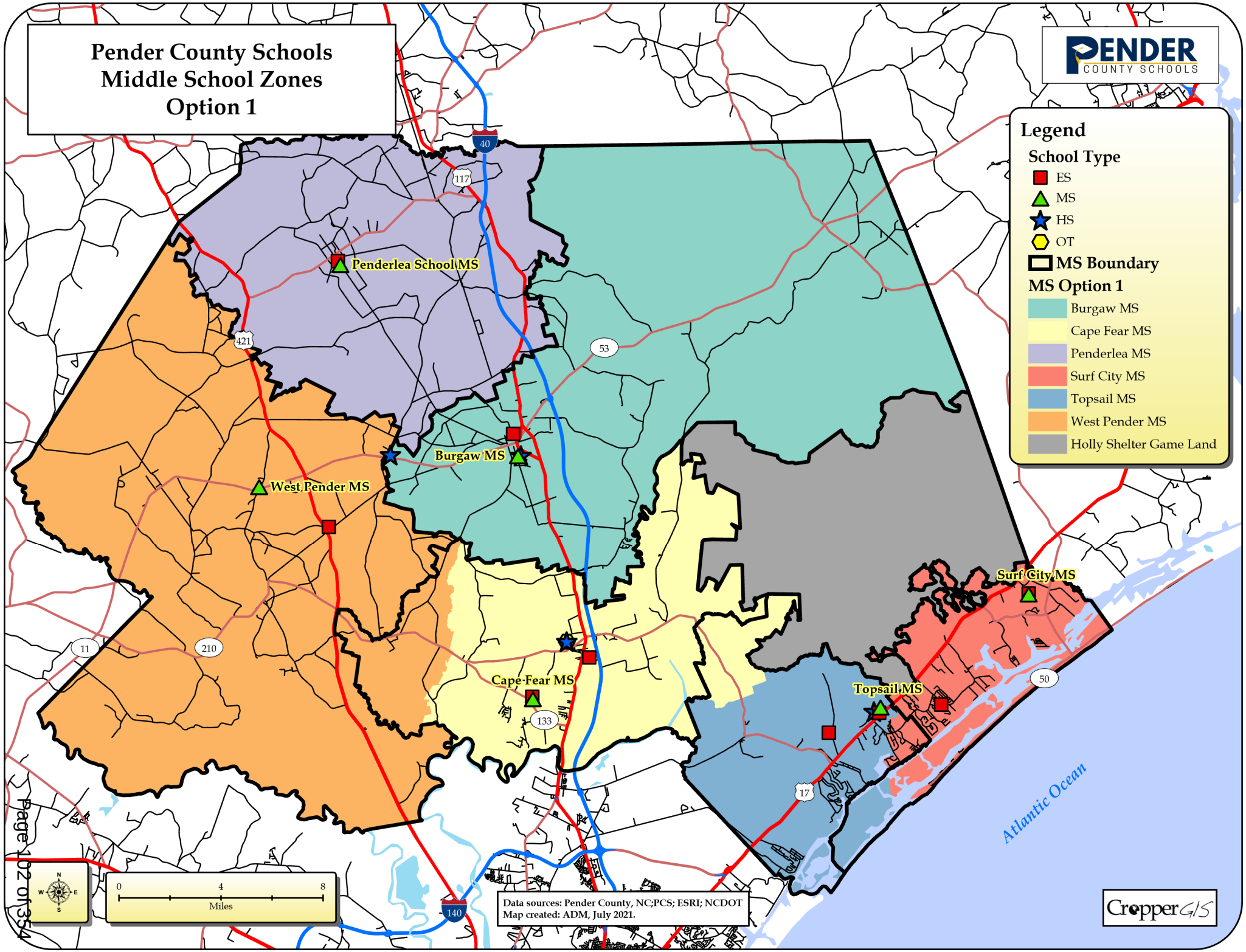
School Name	Capacity	Option 1 Enrollment Forecast	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
C.F. Pope Elementary School	683	Low Enrollment	506	561	571	581	587	584	591	598	603	607	611
		Low Utilization	74%	82%	84%	85%	86%	86%	87%	88%	88%	89%	89%
		High Enrollment	540	595	605	615	621	618	625	632	637	641	645
		High Utilization	79%	87%	89%	90%	91%	91%	92%	93%	93%	94%	94%
Cape Fear Elementary School	676	Low Enrollment	594	588	598	617	635	644	634	625	618	614	613
		Low Utilization	88%	87%	88%	91%	94%	95%	94%	92%	91%	91%	91%
		High Enrollment	627	621	631	650	668	677	667	658	651	647	646
		High Utilization	93%	92%	93%	96%	99%	100%	99%	97%	96%	96%	96%
Malpass Corner Elementary School	667	Low Enrollment	498	513	519	514	513	509	508	506	504	501	498
		Low Utilization	75%	77%	78%	77%	77%	76%	76%	76%	76%	75%	75%
		High Enrollment	531	546	552	547	546	542	541	539	537	534	531
		High Utilization	80%	82%	83%	82%	82%	81%	81%	81%	81%	80%	80%
North Topsail Elementary School	511	Low Enrollment	480	512	500	506	512	515	522	527	533	537	538
		Low Utilization	94%	100%	98%	99%	100%	101%	102%	103%	104%	105%	105%
		High Enrollment	531	563	551	557	563	566	573	578	584	588	589
		High Utilization	104%	110%	108%	109%	110%	111%	112%	113%	114%	115%	115%
Penderlea Elementary and Middle School	565	Low Enrollment	505	514	503	501	500	502	498	499	494	493	489
		Low Utilization	89%	91%	89%	89%	88%	89%	88%	88%	87%	87%	87%
		High Enrollment	533	542	531	529	528	530	526	527	522	521	517
		High Utilization	94%	96%	94%	94%	93%	94%	93%	93%	92%	92%	92%
Rocky Point Elementary School	484	Low Enrollment	323	350	357	360	372	377	386	393	399	403	407
		Low Utilization	67%	72%	74%	74%	77%	78%	80%	81%	82%	83%	84%
		High Enrollment	347	374	381	384	396	401	410	417	423	427	431
		High Utilization	72%	77%	79%	79%	82%	83%	85%	86%	87%	88%	89%
South Topsail Elementary School	512	Low Enrollment	336	355	345	353	373	394	411	426	438	447	453
		Low Utilization	66%	69%	67%	69%	73%	77%	80%	83%	86%	87%	88%
		High Enrollment	387	406	396	404	424	445	462	477	489	498	504
		High Utilization	76%	79%	77%	79%	83%	87%	90%	93%	96%	97%	98%
Surf City Elementary School	750	Low Enrollment	743	770	781	785	813	805	807	806	806	806	804
		Low Utilization	99%	103%	104%	105%	108%	107%	108%	107%	107%	107%	107%
		High Enrollment	818	845	856	860	888	880	882	881	881	881	879
		High Utilization	109%	113%	114%	115%	118%	117%	118%	117%	117%	117%	117%
Topsail Elementary School	506	Low Enrollment	499	525	514	527	542	554	565	573	577	574	567
		Low Utilization	99%	104%	102%	104%	107%	110%	112%	113%	114%	114%	112%
		High Enrollment	550	576	565	578	593	605	616	624	628	625	618
		High Utilization	109%	114%	112%	114%	117%	120%	122%	123%	124%	124%	122%
Elementary School Totals	**5,354**	**Low Enrollment**	**4,483**	**4,687**	**4,687**	**4,743**	**4,846**	**4,883**	**4,921**	**4,952**	**4,971**	**4,981**	**4,979**
		Low Utilization	**84%**	**88%**	**88%**	**89%**	**91%**	**91%**	**92%**	**92%**	**93%**	**93%**	**93%**
		High Enrollment	**4,865**	**5,069**	**5,069**	**5,125**	**5,228**	**5,265**	**5,303**	**5,334**	**5,353**	**5,363**	**5,361**
		High Utilization	**91%**	**95%**	**95%**	**96%**	**98%**	**98%**	**99%**	**100%**	**100%**	**100%**	**100%**


Pender County Schools
Elementary School Zones
Option 1
PENDER COUNTY SCHOOLS
Legend
School Type
ES
MS
HS
OT
2020-21 ES Boundary
ES Option 1
C. F. Pope ES
Cape Fear ES
Malpass Corner ES
North Topsail ES
Penderlea ES
Rocky Point ES
South Topsail ES
Surf City ES
Topsail ES
Holly Shelter Game Land
Penderlea School ES
C. F. Pope ES
Malpass Corner ES
Rocky Point ES
Cape Fear ES
Surf City ES
North Topsail ES
South Topsail ES
Topsail ES
Atlantic Ocean
40
117
421
53
11
210
133
50
17
140
0
4
8
Miles
Data sources: Pender County, NC;PCS; ESRI; NCDOT
Map created: ADM, July 2021.
Cropper GIS

Middle School Option 1 Zones Enrollment Forecast

School Name	Capacity	Option 1 Enrollment Forecast	2020-21	2025-26	2030-31
Burgaw Middle School	322	Low Enrollment	288	230	243
		Low Utilization	89%	71%	75%
		High Enrollment	304	246	259
		High Utilization	94%	76%	80%
Cape Fear Middle School	691	Low Enrollment	432	387	470
		Low Utilization	63%	56%	68%
		High Enrollment	467	422	505
		High Utilization	68%	61%	73%
Surf City Middle School	750	Low Enrollment	739	708	734
		Low Utilization	98%	94%	98%
		High Enrollment	814	783	809
		High Utilization	108%	104%	108%
Topsail Middle School	745	Low Enrollment	530	523	683
		Low Utilization	71%	70%	92%
		High Enrollment	605	598	758
		High Utilization	81%	80%	102%
West Pender Middle School	307	Low Enrollment	210	198	192
		Low Utilization	68%	64%	62%
		High Enrollment	225	213	207
		High Utilization	73%	69%	67%
Middle School Totals	**2,815**	**Low Enrollment**	**2,199**	**2,046**	**2,322**
		Low Utilization	**78%**	**73%**	**82%**
		High Enrollment	**2,414**	**2,261**	**2,537**
		High Utilization	**86%**	**80%**	**90%**

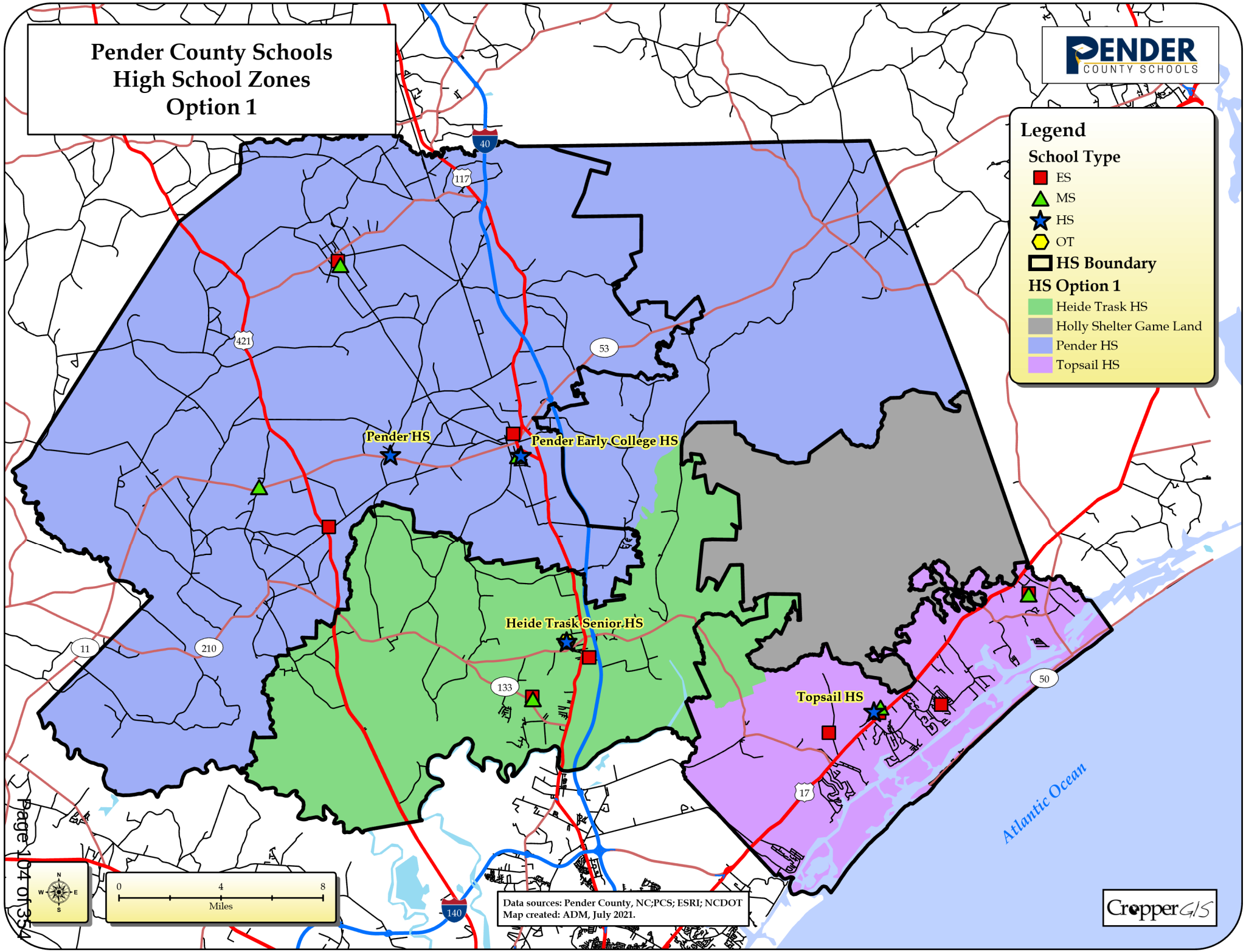
School Name	Capacity	Option 1 Enrollment Forecast	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
Burgaw Middle School	322	Low Enrollment	288	252	241	211	215	230	236	240	233	238	243
		Low Utilization	89%	78%	75%	66%	67%	71%	73%	75%	72%	74%	75%
		High Enrollment	304	268	257	227	231	246	252	256	249	254	259
		High Utilization	94%	83%	80%	71%	72%	76%	78%	80%	77%	79%	80%
Cape Fear Middle School	691	Low Enrollment	432	437	416	420	377	387	418	458	471	471	470
		Low Utilization	63%	63%	60%	61%	55%	56%	61%	66%	68%	68%	68%
		High Enrollment	467	472	451	455	412	422	453	493	506	506	505
		High Utilization	68%	68%	65%	66%	60%	61%	66%	71%	73%	73%	73%
Surf City Middle School	750	Low Enrollment	739	718	694	713	702	708	709	737	727	731	734
		Low Utilization	98%	96%	92%	95%	94%	94%	94%	98%	97%	97%	98%
		High Enrollment	814	793	769	788	777	783	784	812	802	806	809
		High Utilization	108%	106%	102%	105%	104%	104%	104%	108%	107%	107%	108%
Topsail Middle School	745	Low Enrollment	530	527	539	546	551	523	539	581	614	651	683
		Low Utilization	71%	71%	72%	73%	74%	70%	72%	78%	82%	87%	92%
		High Enrollment	605	602	614	621	626	598	614	656	689	726	758
		High Utilization	81%	81%	82%	83%	84%	80%	82%	88%	92%	97%	102%
West Pender Middle School	307	Low Enrollment	210	205	196	194	190	198	194	196	192	193	192
		Low Utilization	68%	67%	64%	63%	62%	64%	63%	64%	62%	63%	62%
		High Enrollment	225	220	211	209	205	213	209	211	207	208	207
		High Utilization	73%	72%	69%	68%	67%	69%	68%	69%	67%	68%	67%
Middle School Totals	**2,815**	**Low Enrollment**	**2,199**	**2,139**	**2,086**	**2,084**	**2,035**	**2,046**	**2,096**	**2,212**	**2,237**	**2,284**	**2,322**
		Low Utilization	**78%**	**76%**	**74%**	**74%**	**72%**	**73%**	**74%**	**79%**	**79%**	**81%**	**82%**
		High Enrollment	**2,414**	**2,354**	**2,301**	**2,299**	**2,250**	**2,261**	**2,311**	**2,427**	**2,452**	**2,499**	**2,537**
		High Utilization	**86%**	**84%**	**82%**	**82%**	**80%**	**80%**	**82%**	**86%**	**87%**	**89%**	**90%**


Pender County Schools
Middle School Zones
Option 1
PENDER COUNTY SCHOOLS
Legend
School Type
ES
MS
HS
OT
MS Boundary
MS Option 1
Burgaw MS
Cape Fear MS
Penderlea MS
Surf City MS
Topsail MS
West Pender MS
Holly Shelter Game Land
Penderlea School MS
Burgaw MS
West Pender MS
Cape Fear MS
Surf City MS
Topsail MS
Atlantic Ocean
40
117
421
53
11
210
133
50
17
140
0
4
8
Miles
Data sources: Pender County, NC;PCS; ESRI; NCDOT
Map created: ADM, July 2021.
CropperGIS

High School Option 1 Zones Enrollment Forecast

School Name	Capacity		Option 1 Enrollment Forecast 2020-21	2025-26	2030-31
Heide Trask High School	815	Low Enrollment	608	587	591
		Low Utilization	75%	72%	72%
		High Enrollment	648	627	631
		High Utilization	80%	77%	77%
Pender High School	795	Low Enrollment	672	643	627
		Low Utilization	84%	81%	79%
		High Enrollment	711	682	666
		High Utilization	89%	86%	84%
Topsail High School	1,400	Low Enrollment	1549	1981	1979
		Low Utilization	111%	142%	141%
		High Enrollment	1689	2121	2119
		High Utilization	121%	152%	151%
High School Totals	**3,010**	**Low Enrollment**	**2,828**	**3,210**	**3,196**
		Low Utilization	**94%**	**107%**	**106%**
		High Enrollment	**3,049**	**3,431**	**3,417**
		High Utilization	**101%**	**114%**	**114%**

School Name	Capacity		Option 1 Enrollment Forecast 2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
Heide Trask High School	815	Low Enrollment	608	603	626	601	618	587	556	545	536	562	591
		Low Utilization	75%	74%	77%	74%	76%	72%	68%	67%	66%	69%	72%
		High Enrollment	648	643	666	641	658	627	596	585	576	602	631
		High Utilization	80%	79%	82%	79%	81%	77%	73%	72%	71%	74%	77%
Pender High School	795	Low Enrollment	672	702	716	724	690	643	630	604	620	625	627
		Low Utilization	84%	88%	90%	91%	87%	81%	79%	76%	78%	79%	79%
		High Enrollment	711	741	755	763	729	682	669	643	659	664	666
		High Utilization	89%	93%	95%	96%	92%	86%	84%	81%	83%	84%	84%
Topsail High School	1,400	Low Enrollment	1549	1623	1815	1866	1932	1981	1924	1912	1968	1940	1979
		Low Utilization	111%	116%	130%	133%	138%	142%	137%	137%	141%	139%	141%
		High Enrollment	1689	1763	1955	2006	2072	2121	2064	2052	2108	2080	2119
		High Utilization	121%	126%	140%	143%	148%	152%	147%	147%	151%	149%	151%
High School Totals	3,010	Low Enrollment	2,828	2,927	3,156	3,190	3,239	3,210	3,109	3,060	3,123	3,126	3,196
		Low Utilization	94%	97%	105%	106%	108%	107%	103%	102%	104%	104%	106%
		High Enrollment	3,049	3,148	3,377	3,411	3,460	3,431	3,330	3,281	3,344	3,347	3,417
		High Utilization	101%	105%	112%	113%	115%	114%	111%	109%	111%	111%	114%


Pender County Schools
High School Zones
Option 1
PENDER COUNTY SCHOOLS
Legend
School Type
ES
MS
HS
OT
HS Boundary
HS Option 1
Heide Trask HS
Holly Shelter Game Land
Pender HS
Topsail HS
Pender HS
Pender Early College HS
Heide Trask Senior HS
Topsail HS
Atlantic Ocean
40
117
421
53
11
210
133
50
17
140
0
4
8
Miles
Data sources: Pender County, NC;PCS; ESRI; NCDOT
Map created: ADM, July 2021.
CropperGIS

Elementary School Option 2 Zones Enrollment Forecast

The following tables represent utilization estimates for an Option 2 redistricting scenario. Due to the uncertainty of the impacts of Covid-19 on future enrollment, the redistricting estimates are given in a low and high range. The low range uses the enrollment as forecasted, and high range assumes a 10% range of confidence for schools along the coastline, and a 5% confidence band for inland schools. This was developed based on findings and continued research of Pender County enrollment through the 2020-21 school year.

The Option 2 redistricting scenario assumes the following:

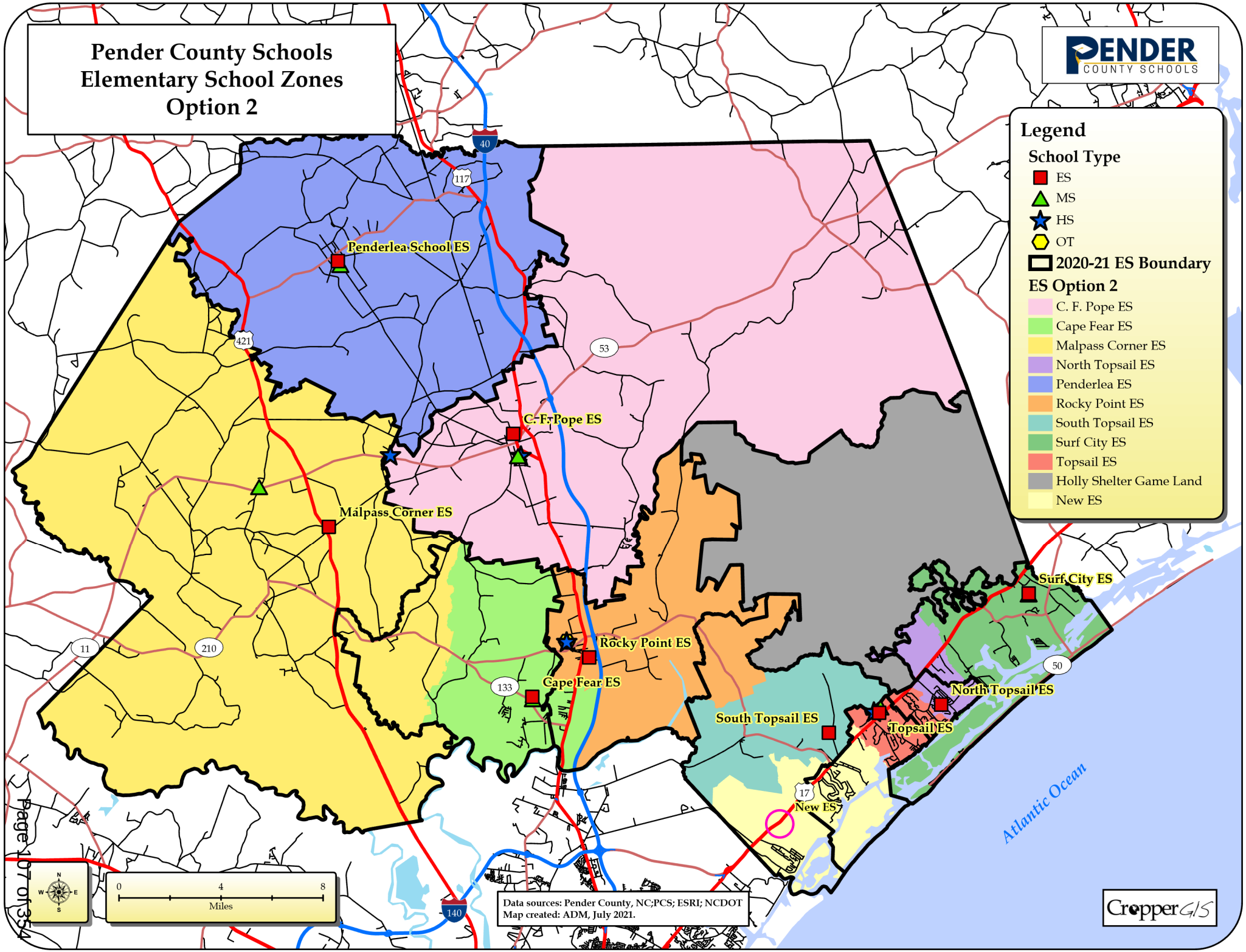
- Assume construction of a New Elementary (750 cap) and Middle School (1,000 cap), located along Route 17 south near the New Hanover County line. The map for option 2 depicts the approximate suggested location for the New ES/MS.
- Convert the current Topsail Middle School to a 9th grade center to provide immediate relief to Topsail High School.
- Redistrict to balance utilization among all schools in the district, as well as balancing feeder patterns.

		Option 2 Enrollment Forecast			
School Name	Capacity		2020-21	2025-26	2030-31
C.F. Pope Elementary School	683	Low Enrollment	506	584	611
		Low Utilization	74%	86%	89%
		High Enrollment	540	618	645
		High Utilization	79%	91%	94%
Cape Fear Elementary School	676	Low Enrollment	519	634	603
		Low Utilization	77%	94%	89%
		High Enrollment	553	668	637
		High Utilization	82%	99%	94%
Malpass Corner Elementary School	667	Low Enrollment	451	510	499
		Low Utilization	68%	76%	75%
		High Enrollment	484	543	532
		High Utilization	73%	81%	80%
North Topsail Elementary School	511	Low Enrollment	371	387	410
		Low Utilization	73%	76%	80%
		High Enrollment	422	438	461
		High Utilization	83%	86%	90%
New Elementary School	750	Low Enrollment	417	498	548
		Low Utilization	56%	66%	73%
		High Enrollment	492	573	623
		High Utilization	66%	76%	83%
Penderlea Elementary and Middle School	565	Low Enrollment	505	502	489
		Low Utilization	89%	89%	87%
		High Enrollment	533	530	517
		High Utilization	94%	94%	92%
Rocky Point Elementary School	484	Low Enrollment	440	383	413
		Low Utilization	91%	79%	85%
		High Enrollment	464	407	437
		High Utilization	96%	84%	90%
South Topsail Elementary School	512	Low Enrollment	332	359	388
		Low Utilization	65%	70%	76%
		High Enrollment	384	410	439
		High Utilization	75%	80%	86%
Surf City Elementary School	750	Low Enrollment	576	606	605
		Low Utilization	77%	81%	81%
		High Enrollment	651	681	680
		High Utilization	87%	91%	91%
Topsail Elementary School	506	Low Enrollment	377	433	426
		Low Utilization	75%	86%	84%
		High Enrollment	428	484	477
		High Utilization	85%	96%	94%
Elementary School Totals	**6,104**	**Low Enrollment**	**4,495**	**4,896**	**4,992**
		Low Utilization	**74%**	**80%**	**82%**
		High Enrollment	**4,951**	**5,353**	**5,449**
		High Utilization	**81%**	**88%**	**89%**

Elementary School Option 2 Zones Enrollment Forecast

The following shows the Option 2 utilization estimates for schools for every year out to 2030-31.

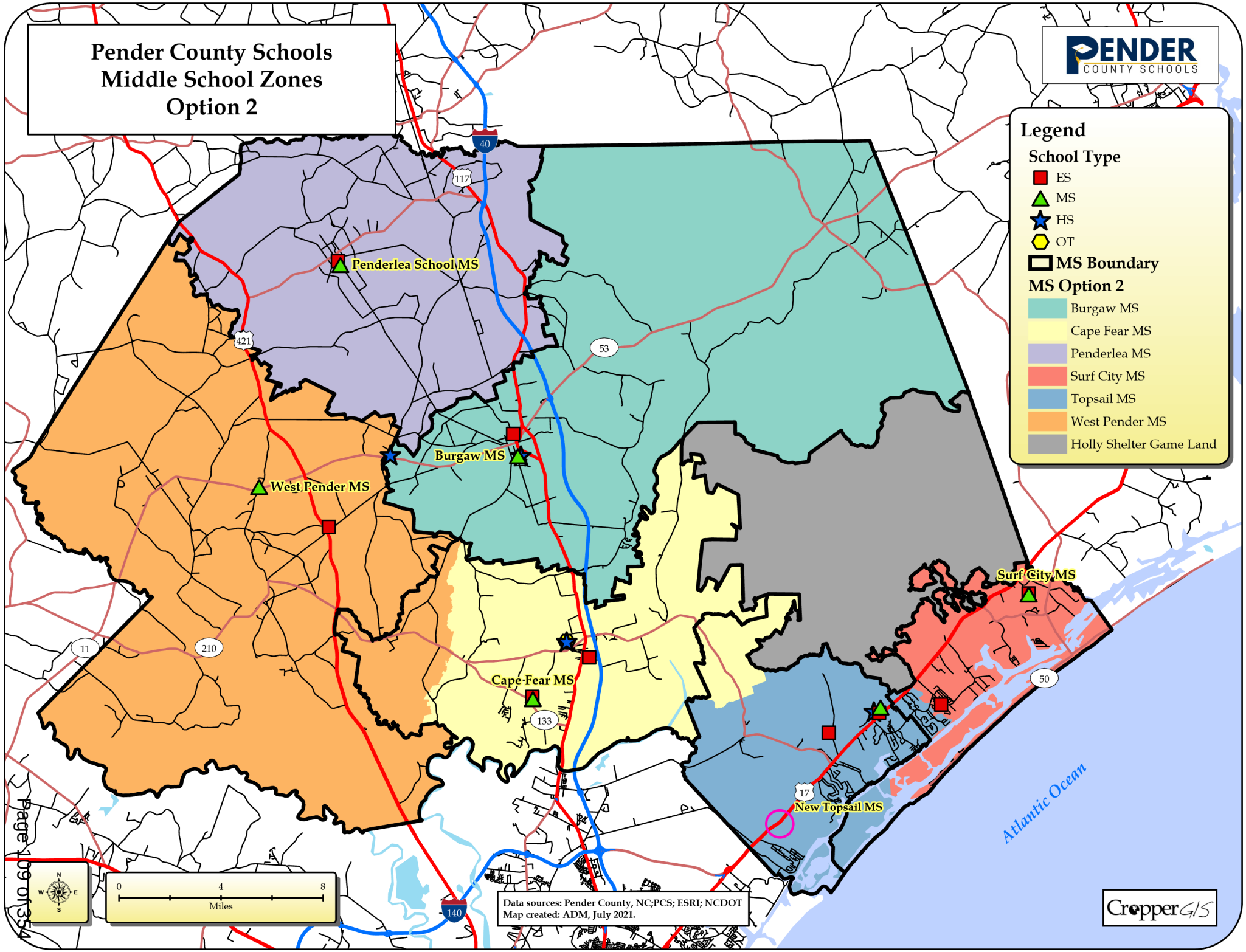
School Name	Capacity		Option 2 Enrollment Forecast										
			2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
C.F. Pope Elementary School	683	Low Enrollment	506	561	571	581	587	584	591	598	603	607	611
		Low Utilization	74%	82%	84%	85%	86%	86%	87%	88%	88%	89%	89%
		High Enrollment	540	595	605	615	621	618	625	632	637	641	645
		High Utilization	79%	87%	89%	90%	91%	91%	92%	93%	93%	94%	94%
Cape Fear Elementary School	676	Low Enrollment	519	578	588	607	625	634	624	615	608	604	603
		Low Utilization	77%	86%	87%	90%	92%	94%	92%	91%	90%	89%	89%
		High Enrollment	553	612	622	641	659	668	658	649	642	638	637
		High Utilization	82%	91%	92%	95%	97%	99%	97%	96%	95%	94%	94%
Malpass Corner Elementary School	667	Low Enrollment	451	514	520	515	514	510	509	507	505	502	499
		Low Utilization	68%	77%	78%	77%	77%	76%	76%	76%	76%	75%	75%
		High Enrollment	484	547	553	548	547	543	542	540	538	535	532
		High Utilization	73%	82%	83%	82%	82%	81%	81%	81%	81%	80%	80%
North Topsail Elementary School	511	Low Enrollment	371	384	372	378	384	387	394	399	405	409	410
		Low Utilization	73%	75%	73%	74%	75%	76%	77%	78%	79%	80%	80%
		High Enrollment	422	435	423	429	435	438	445	450	456	460	461
		High Utilization	83%	85%	83%	84%	85%	86%	87%	88%	89%	90%	90%
New Elementary School	750	Low Enrollment	417	458	468	478	488	498	508	518	528	538	548
		Low Utilization	56%	61%	62%	64%	65%	66%	68%	69%	70%	72%	73%
		High Enrollment	492	533	543	553	563	573	583	593	603	613	623
		High Utilization	66%	71%	72%	74%	75%	76%	78%	79%	80%	82%	83%
Penderlea Elementary and Middle School	565	Low Enrollment	505	514	503	501	500	502	498	499	494	493	489
		Low Utilization	89%	91%	89%	89%	88%	89%	88%	88%	87%	87%	87%
		High Enrollment	533	542	531	529	528	530	526	527	522	521	517
		High Utilization	94%	96%	94%	94%	93%	94%	93%	93%	92%	92%	92%
Rocky Point Elementary School	484	Low Enrollment	440	356	363	366	378	383	392	399	405	409	413
		Low Utilization	91%	74%	75%	76%	78%	79%	81%	82%	84%	85%	85%
		High Enrollment	464	380	387	390	402	407	416	423	429	433	437
		High Utilization	96%	79%	80%	81%	83%	84%	86%	87%	89%	90%	90%
South Topsail Elementary School	512	Low Enrollment	332	344	328	330	344	359	370	379	385	388	388
		Low Utilization	65%	67%	64%	64%	67%	70%	72%	74%	75%	76%	76%
		High Enrollment	384	395	379	381	395	410	421	430	436	439	439
		High Utilization	75%	77%	74%	74%	77%	80%	82%	84%	85%	86%	86%
Surf City Elementary School	750	Low Enrollment	576	571	582	586	614	606	608	607	607	607	605
		Low Utilization	77%	76%	78%	78%	82%	81%	81%	81%	81%	81%	81%
		High Enrollment	651	646	657	661	689	681	683	682	682	682	680
		High Utilization	87%	86%	88%	88%	92%	91%	91%	91%	91%	91%	91%
Topsail Elementary School	506	Low Enrollment	377	420	405	414	425	433	440	444	444	437	426
		Low Utilization	75%	83%	80%	82%	84%	86%	87%	88%	88%	86%	84%
		High Enrollment	428	471	456	465	476	484	491	495	495	488	477
		High Utilization	85%	93%	90%	92%	94%	96%	97%	98%	98%	96%	94%
Elementary School Totals	**6,104**	**Low Enrollment**	**4,495**	**4,700**	**4,700**	**4,756**	**4,859**	**4,896**	**4,934**	**4,965**	**4,984**	**4,994**	**4,992**
		Low Utilization	**74%**	**77%**	**77%**	**78%**	**80%**	**80%**	**81%**	**81%**	**82%**	**82%**	**82%**
		High Enrollment	**4,951**	**5,157**	**5,157**	**5,213**	**5,316**	**5,353**	**5,391**	**5,422**	**5,441**	**5,451**	**5,449**
		High Utilization	**81%**	**84%**	**84%**	**85%**	**87%**	**88%**	**88%**	**89%**	**89%**	**89%**	**89%**


Pender County Schools
Elementary School Zones
Option 2
PENDER COUNTY SCHOOLS
Legend
School Type
ES
MS
HS
OT
2020-21 ES Boundary
ES Option 2
C. F. Pope ES
Cape Fear ES
Malpass Corner ES
North Topsail ES
Penderlea ES
Rocky Point ES
South Topsail ES
Surf City ES
Topsail ES
Holly Shelter Game Land
New ES
Penderlea School ES
C. F. Pope ES
Malpass Corner ES
Rocky Point ES
Cape Fear ES
Surf City ES
North Topsail ES
South Topsail ES
Topsail ES
New ES
Atlantic Ocean
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Miles
Data sources: Pender County, NC;PCS; ESRI; NCDOT
Map created: ADM, July 2021.
CropperGIS

Middle School Option 2 Zones Enrollment Forecast

School Name	Capacity	Option 2 Enrollment Forecast	2020-21	2025-26	2030-31
Burgaw Middle School	322	Low Enrollment	288	230	243
		Low Utilization	89%	71%	75%
		High Enrollment	304	246	259
		High Utilization	94%	76%	80%
Cape Fear Middle School	691	Low Enrollment	435	390	473
		Low Utilization	63%	56%	68%
		High Enrollment	470	425	508
		High Utilization	68%	61%	73%
Surf City Middle School	750	Low Enrollment	544	513	539
		Low Utilization	73%	68%	72%
		High Enrollment	619	588	614
		High Utilization	83%	78%	82%
Topsail Middle School	1000	Low Enrollment	735	728	888
		Low Utilization	74%	73%	89%
		High Enrollment	835	828	988
		High Utilization	84%	83%	99%
West Pender Middle School	307	Low Enrollment	213	201	195
		Low Utilization	69%	65%	64%
		High Enrollment	228	216	210
		High Utilization	74%	70%	69%
Middle School Totals	**3,070**	**Low Enrollment**	**2,215**	**2,062**	**2,338**
		Low Utilization	**79%**	**73%**	**83%**
		High Enrollment	**2,456**	**2,303**	**2,579**
		High Utilization	**87%**	**82%**	**92%**

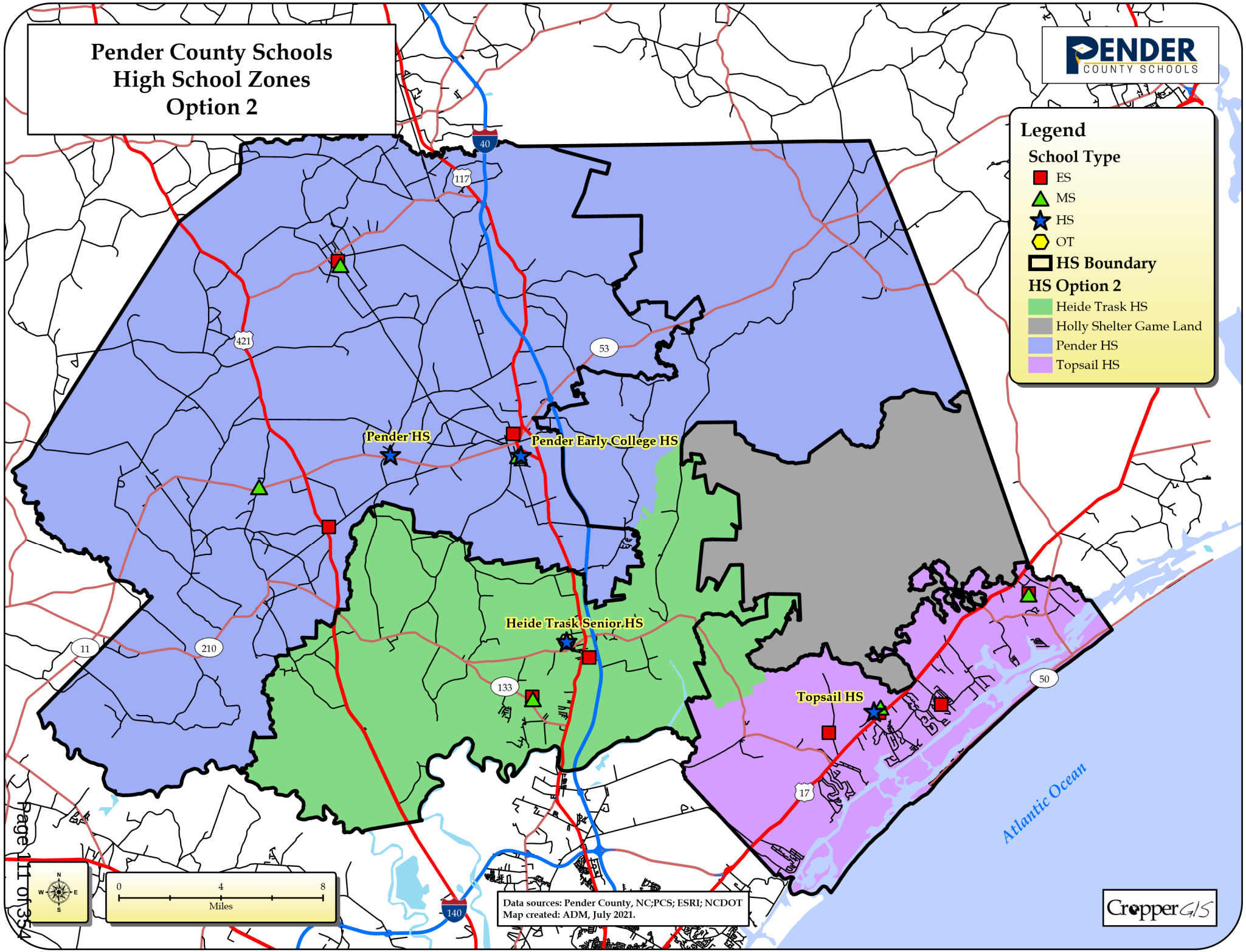
School Name	Capacity	Option 2 Enrollment Forecast	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
Burgaw Middle School	322	Low Enrollment	288	252	241	211	215	230	236	240	233	238	243
		Low Utilization	89%	78%	75%	66%	67%	71%	73%	75%	72%	74%	75%
		High Enrollment	304	268	257	227	231	246	252	256	249	254	259
		High Utilization	94%	83%	80%	71%	72%	76%	78%	80%	77%	79%	80%
Cape Fear Middle School	691	Low Enrollment	435	440	419	423	380	390	421	461	474	474	473
		Low Utilization	63%	64%	61%	61%	55%	56%	61%	67%	69%	69%	68%
		High Enrollment	470	475	454	458	415	425	456	496	509	509	508
		High Utilization	68%	69%	66%	66%	60%	61%	66%	72%	74%	74%	73%
Surf City Middle School	750	Low Enrollment	544	523	499	518	507	513	514	542	532	536	539
		Low Utilization	73%	70%	67%	69%	68%	68%	69%	72%	71%	71%	72%
		High Enrollment	619	598	574	593	582	588	589	617	607	611	614
		High Utilization	83%	80%	77%	79%	78%	78%	79%	82%	81%	81%	82%
Topsail Middle School	1000	Low Enrollment	735	732	744	751	756	728	744	786	819	856	888
		Low Utilization	74%	73%	74%	75%	76%	73%	74%	79%	82%	86%	89%
		High Enrollment	835	832	844	851	856	828	844	886	919	956	988
		High Utilization	84%	83%	84%	85%	86%	83%	84%	89%	92%	96%	99%
West Pender Middle School	307	Low Enrollment	213	208	199	197	193	201	197	199	195	196	195
		Low Utilization	69%	68%	65%	64%	63%	65%	64%	65%	64%	64%	64%
		High Enrollment	228	223	214	212	208	216	212	214	210	211	210
		High Utilization	74%	73%	70%	69%	68%	70%	69%	70%	69%	69%	69%
Middle School Totals	**3,070**	**Low Enrollment**	**2,215**	**2,155**	**2,102**	**2,100**	**2,051**	**2,062**	**2,112**	**2,228**	**2,253**	**2,300**	**2,338**
		Low Utilization	**79%**	**77%**	**75%**	**75%**	**73%**	**73%**	**75%**	**79%**	**80%**	**82%**	**83%**
		High Enrollment	**2,456**	**2,396**	**2,343**	**2,341**	**2,292**	**2,303**	**2,353**	**2,469**	**2,494**	**2,541**	**2,579**
		High Utilization	**87%**	**85%**	**83%**	**83%**	**81%**	**82%**	**84%**	**88%**	**89%**	**90%**	**92%**


Pender County Schools
Middle School Zones
Option 2
PENDER COUNTY SCHOOLS
Legend
School Type
ES
MS
HS
OT
MS Boundary
MS Option 2
Burgaw MS
Cape Fear MS
Penderlea MS
Surf City MS
Topsail MS
West Pender MS
Holly Shelter Game Land
Penderlea School MS
Burgaw MS
West Pender MS
Cape Fear MS
Surf City MS
New Topsail MS
Atlantic Ocean
40
117
421
53
11
210
133
50
17
140
0
4
8
Miles
Data sources: Pender County, NC;PCS; ESRI; NCDOT
Map created: ADM, July 2021.
CropperGIS

High School Option 2 Zones Enrollment Forecast

School Name	Capacity		Option 2 Enrollment Forecast 2020-21	2025-26	2030-31
Heide Trask High School	815	Low Enrollment	619	598	602
		Low Utilization	76%	73%	74%
		High Enrollment	660	639	643
		High Utilization	81%	78%	79%
Pender High School	795	Low Enrollment	677	648	632
		Low Utilization	85%	82%	79%
		High Enrollment	717	688	672
		High Utilization	90%	87%	84%
Topsail High School	2,145	Low Enrollment	1549	1981	1979
		Low Utilization	72%	92%	92%
		High Enrollment	1764	2196	2194
		High Utilization	82%	102%	102%
High School Totals	**3,755**	**Low Enrollment**	**2,845**	**3,227**	**3,213**
		Low Utilization	**76%**	**86%**	**86%**
		High Enrollment	**3,140**	**3,522**	**3,508**
		High Utilization	**84%**	**94%**	**93%**

School Name	Capacity		Option 2 Enrollment Forecast 2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
Heide Trask High School	815	Low Enrollment	619	614	637	612	629	598	567	556	547	573	602
		Low Utilization	76%	75%	78%	75%	77%	73%	70%	68%	67%	70%	74%
		High Enrollment	660	655	678	653	670	639	608	597	588	614	643
		High Utilization	81%	80%	83%	80%	82%	78%	75%	73%	72%	75%	79%
Pender High School	795	Low Enrollment	677	707	721	729	695	648	635	609	625	630	632
		Low Utilization	85%	89%	91%	92%	87%	82%	80%	77%	79%	79%	79%
		High Enrollment	717	747	761	769	735	688	675	649	665	670	672
		High Utilization	90%	94%	96%	97%	92%	87%	85%	82%	84%	84%	84%
Topsail High School	2,145	Low Enrollment	1549	1623	1815	1866	1932	1981	1924	1912	1968	1940	1979
		Low Utilization	72%	76%	85%	87%	90%	92%	90%	89%	92%	90%	92%
		High Enrollment	1764	1838	2030	2081	2147	2196	2139	2127	2183	2155	2194
		High Utilization	82%	86%	95%	97%	100%	102%	100%	99%	102%	100%	102%
High School Totals	**3,755**	**Low Enrollment**	**2,845**	**2,944**	**3,173**	**3,207**	**3,256**	**3,227**	**3,126**	**3,077**	**3,140**	**3,143**	**3,213**
		Low Utilization	**76%**	**78%**	**85%**	**85%**	**87%**	**86%**	**83%**	**82%**	**84%**	**84%**	**86%**
		High Enrollment	**3,140**	**3,239**	**3,468**	**3,502**	**3,551**	**3,522**	**3,421**	**3,372**	**3,435**	**3,438**	**3,508**
		High Utilization	**84%**	**86%**	**92%**	**93%**	**95%**	**94%**	**91%**	**90%**	**91%**	**92%**	**93%**


Pender County Schools
High School Zones
Option 2
PENDER COUNTY SCHOOLS
Legend
School Type
ES
MS
HS
OT
HS Boundary
HS Option 2
Heide Trask HS
Holly Shelter Game Land
Pender HS
Topsail HS
Pender HS
Pender Early College HS
Heide Trask Senior HS
Topsail HS
Atlantic Ocean
40
117
421
53
11
210
133
50
17
140
0
4
8
Miles
Data sources: Pender County, NC;PCS; ESRI; NCDOT
Map created: ADM, July 2021.
CropperGIS

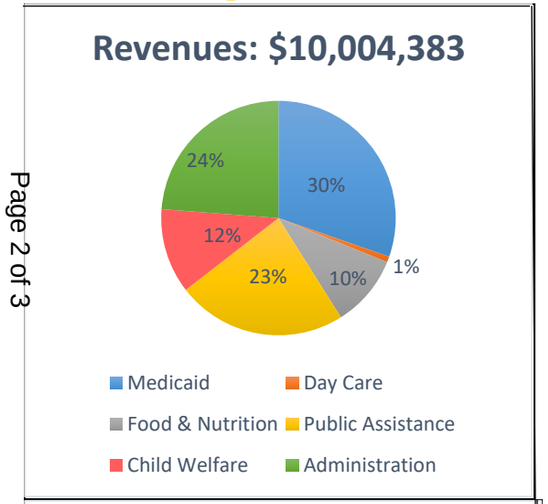
Pender County
Public Information

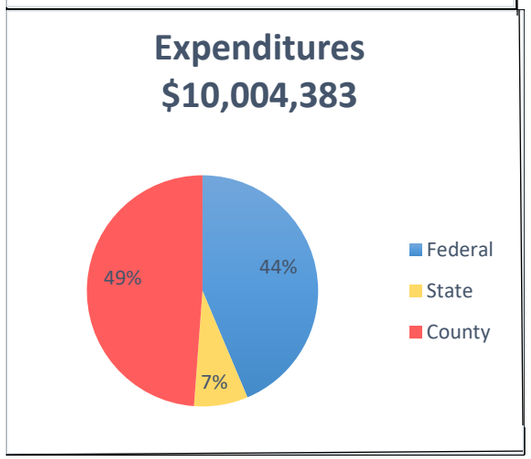
TO:	Board of County Commissioners
FROM:	Wes Stewart
DATE:	November 15, 2021
SUBJECT:	Presentation of the 2020 -20201 Department of Social Services Annual Report

SUMMARY:

- Presentation of the 2020 Annual DSS Report

DSS Budget FY 20-21





DSS Budget 20/21 $10,004.383
County Share $4,702,060
County Share 49%

MISSION STATEMENT

The mission of the Pender County Department of Social Services is to, "Provide Support and Assistance to all Citizens, Enhance Quality of Life and Empower and Enable Self-Sufficiency".

Pender County Department of Social Services

810 S. Walker Street
Burgaw, NC 28425

ANNUAL REPORT 2020/2021

Board of Social Services

George Brown	Chair
Fred McCoy	Vice-Chair
Jackie Newton	Member
David Piepmeyer	Member
David Williams	Member
Carolyn Moser	Health & Human Services Director
Wes Stewart	DSS Director

Family Support Services

Work First Family Assistance (WFFA)

Work First Family Assistance (WFFA) provides a money payment and medical assistance to families with children who are deprived of the care or support of one or both parents due to death, physical or mental incapacity, absence from the home or unemployment. Additionally, the program works with recipients of public assistance, those persons wanting to apply for public assistance, and individuals needing services who are at or below 200% of the poverty level. Participants are helped with job search, job training, education, and supportive services to prepare them to become self-sufficient. Federally funded 100% (Based on Income).

- 71 Average monthly number of cases (96)
- $200 Average monthly payment ($168)

Crisis Intervention Program

Assists individuals and families with heating or cooling. Payments are made directly to vendors. Federally funded 100% (Based on Income).

- $**159,913** Total benefits to county residents ($**206,334.19**)
- $**263.88** Average payment per household ($**203.82**)

Non-Emergency Medical Transportation

Transportation to and from medical providers is a critical component for a Medicaid recipient needing necessary health care. Non-Emergency Medical Transportation (NEMT) services consists of arranging for transportation. This program is State and Federally funded.

- $519,916 Annual reimbursement to recipients and contract providers ($557,153)
- 219 Average monthly number of recipients served (239)

( ) indicates previous year

Emergency Assistance

Families who are experiencing a financial emergency may be eligible for financial help to pay for housing and utilities. The families must have a child age 18 or younger, who lives with the applicant or a relative as defined by Work First Family Assistance (WFFA). Total family income must be at or below 200% of poverty level. The family must have proof of identity and citizenship. Federally funded 100%.

- $**1,564** Total benefits to county residents ($**8,565.92**)
- **9** Applications approved (**44**)

Low Income Energy Assistance (LIEAP)

Low-income households traditionally pay a higher portion of their household income for home energy needs. LIEAP is a federally funded program designed to provide assistance to low-income households to help with heating cost. Households must be at or above 130% of Federal poverty guidelines. Federally funded 100%.

- $**300,266** Total benefits to county residents ($**244,400**)
- $**317** Average payment per family ($200)

Special Assistance

This State (50%) and County (50%) funded program helps pay the cost of care in assisted living for aged, blind or disabled individuals who do not have sufficient resources to pay. They are automatically covered for Medicaid also.

- **85** Average monthly number of individuals assisted (85)
- $**409** Average monthly payment per person ($**409**)

Medical Assistance (Medicaid)

Medicaid provides payment for basic medical care to elderly and disabled adults and families based on need, income, and resources. Administration is 75% Federally funded and 25% County funded. Medicaid also assist county residents with Long-Term care.

- 9789 Average monthly number of cases (9,668)
- 14,128 Average monthly number of Participants (15,894)

Children and Adult Services

North Carolina Health Choice for Children (NCHC)

NCHC is a free or low-cost health insurance program for children through age 18 who are at or below 200% of the federal poverty level. The program became available on October 1, 1998. Children must be uninsured and must be categorically ineligible for Medicaid, Medicare, or other federal government sponsored health insurance to be eligible for NCHC. 715 avg. monthly number of enrollees. (591) (Federally and State funded)

Food and Nutrition Services

The Food and Nutrition Services program is designed to raise the levels of nutrition among low-income households. Benefits are issued to ***supplement*** the money that the household has available for food. Many Food Assistance recipients have jobs, but their income is not sufficient to provide for the nutritional needs of their family. Pender County recipients spend over 12 million dollars in food assistance at local grocery stores. Food assistance is 100% federally funded. Program Administration is 50% Federally funded and 50% County funded.

- 3590 Average monthly number of households (4614)
- 7377Average monthly individuals assisted (8537)
- $426 Average monthly payment per household ($221)
- $18,332,873 Food Assistance Issued ($12,225,132)

Child Support Program

The Child Support Enforcement Program promotes parental responsibility and reduces welfare dependency by locating absent parents, establishing paternity and support obligations, and enforcing support payments. Administration is 66% Federal and 34% County funded.

- 127 Children for whom paternity was established (118)
- 275 Support orders established (171)
- 1497 Support Orders enforced (1557)
- $315,844 Average monthly child support collections ($326,538)
- $3,790,130 collected during fiscal year 20/21 ($3,918,465)

Child Day Care

Day Care is purchased from private day care centers to enable parents to maintain employment, attend educational and job training classes, and to ensure the safety of children. The program is 100% Federal and State funded, with counties providing 33% of the administrative costs. Also, includes $233,250 in Smart Start funds.

- 375 Monthly average of children receiving childcare subsidy (320)
- $2,426,464 Total paid to local day care providers ($1,601,781)

Adoption

Adoption services provide assistance in legally clearing children for adoption, helping prepare the children for placement in an adoptive home, and recruiting families who want to adopt. County funded 25%.

- **14** Adoptive Preplacement Assessments (10)
- 4 Relative or stepparent adoptions finalized (4)
- **5** Agency Adoptions finalized (3)

Foster Care

Foster care services provide temporary placements for children in licensed foster homes or group homes. Foster parents are licensed by the agency and receive a monthly payment to pay for the needs of the foster child. Federally, State and County funded.

- **14** Homes licensed to provide foster care (7)
- **88** Children for whom agency had placement responsibility (90)
- **26** Average number of monthly foster care payments (60)

Pender County Department of Social Services does not discriminate on the basis of race, color, national origin, sex, religion, age, or disability in employment or in the provision of services.

Protective Services for Children

The Department of Social Services is required by law to receive and investigate reports of abuse or neglect of children. When allegations are of abuse or serious risk to a child, the investigation must be initiated within 24 hours. Referrals alleging neglect must be responded to within 72 hours. If abuse or neglect is found to exist, services must be provided to protect the child and assist the parents in learning to provide better care for the child. Federally, State and County funded.

- **452** Child abuse and/or neglect reports assessed (789)
- **960** Total number of children assessed (875)
- 57 Children found to need services (159)

Protective Services for Adults

The Department of Social Services receives and evaluates reports of the abuse, neglect, or exploitation of disabled adults. 75% Federally and 25% County funded.

- **174** Reports received (185**)**
- **127** Reports evaluated (147)
- **84** Reports confirmed (99) / **55** substantiated (60)
- **8** Court appointed guardianships (24)

North Carolina law requires anyone who suspects that a child or disabled adult is being abused, neglected or exploited to report their concern to the county Department of Social Services.

To Report
Monday – Friday
8:00 am – 5:00 pm
Call (910) 259-1240

After Hours and Weekends,
Call (910) 259-1212
or 911

Services to the Blind

Services are provided to assist visually impaired and legally blind individuals to be more independent and to prevent blindness. 75% Federal, 12.5% State and 12.5% County funded.

- **18** served annually (16)
- **10** individuals were assisted with the cost of eye care through Medical Eye Care (MEC) (8)

Program Support Assistant

Receives visitors to the agency, in person and by telephone, refers to appropriate programs throughout the agency as well as providing interagency referral. Provides agency staff with fast, efficient completion of typing, data entry and other requests. Provides supportive services to social work staff.

- An average of 129 people visit agency monthly (1453) (Decrease due to Covid).

Program Integrity

$19,657 Total Collected

North Carolina Department of Health and Human Services (DHHS) requested and was approved for a waiver from the United States Department of Agriculture (USDA) to temporarily suspend FNS collection action on overpayments to help alleviate financial hardship on households as a result of the COVID-19 pandemic.

Size of Family Unit	2021 FEDERAL POVERTY GUIDELINES ANNUAL INCOME		
	100%	150%	200%
1	$12,880	$19,320	$25,760
2	$17,420	$26,130	$34,840
3	$21,960	$32,940	$43,920
4	$26,500	$39,750	$53,000
5	$31,040	$46,560	$62,080

Pender County
Request Board Approval

TO:	Board of County Commissioners
FROM:	Carolyn Moser
DATE:	November 1, 2021
SUBJECT:	Approval of a Purchase Order to LabCorp of America Holdings in the amount of $150,000

SUMMARY:
The Health Department is requesting approval of a purchase order to LabCorp of America Holdings for lab testing in the amount of $150,000. This is a budgeted item. With only two laboratories that provide the level of service the Health Department requires and the overwhelming progression of COVID 19. We have selected Lab Corp after comparing the fee schedules submitted on the most commonly used tests, Lab Corp offers a larger discount when compared to Quest Diagnostics.

ACTION REQUESTED:
To consider approval of a purchase order in the amount of $150,000 to LabCorp of America Holdings for lab testing.

Contracted Services 900077-404500 $150,000

Pender County
Request for Board action

TO:	Board of County Commissioners
FROM:	Alan Cutler
DATE:	November 15, 2021
SUBJECT:	Approval to increase Purchase Order for North Carolina Department of Public Safety in the amount of $45,000.00.

SUMMARY:
Pender County Jail are requesting to increase Purchase Order number 109 for North Carolina Department of Public Safety in the amount of $45,000.00. This increase is due to the Jail kitchen being short staffed and also COVID protocol, and the modifications to kitchen services. Pender County Jail has come into a MOU with North Carolina Department of Public Safety-Pender Correctional Center. NCDPS-Pender Correctional will provide 3 regular meals daily at a rate of $2.00 per meal. Also NCDPS-Pender Correctional will provide 3 special diet meals daily at a rate of $2.60 per meal. The MOU is from September 6, 2021 through December 31, 2021.

A signed MOU will be attached.

ACTION REQUESTED:
Approval to increase Purchase Order for North Carolina Department of Public Safety in the amount of $45,000.00.

MEMORANDUM OF UNDERSTANDING

This MEMORANDUM OF UNDERSTANDING is made and entered into this date, 9/7/2021, by and between the PENDER COUNTY SHERIFF'S OFFICE AND JAIL ("Pender County Jail"), a duly authorized governmental entity of the County of Pender, and the NORTH CAROLINA DEPARTMENT OF PUBLIC SAFETY ("NCDPS"), a duly authorized department of the State of North Carolina.

The parties have agreed, and hereby confirm in this Memorandum of Understanding, the following with respect to the provision of meals by NCDPS through its local facility, Pender Correctional Institution ("Pender C.I.") to the Pender County Jail:

1. NCDPS will provide all meals for the Pender County Jail according to the following requirements:
    a. NCDPS will prepare all planned meals for the Pender County Jail, three times per day, in accordance with the standard NCDPS menu for meal preparation.
    b. NCDPS may also provide meals complying with special diet requirements, to the extent such special diets are otherwise provided by NCDPS and to the extent Pender C.I. is able to prepare them. Special diet meals shall be provided at an additional cost as provided below.
    c. The prepared meals provided by NCDPS shall not include beverages but shall include the disposable trays upon which the meals shall be packaged and served. Any and all other necessary supplies for transportation, delivery, or service of meals, including utensils, shall be supplied by the Pender County Jail at its own and sole expense.

d. At time(s) and via contacts mutually agreed upon, the Pender County Jail shall call Pender C.I. in advance and notify Pender C.I. of the number of meals required for breakfast, lunch, and dinner each day.

e. The Pender County Jail shall provide transportation and equipment for delivery of meals at its own and sole expense. Due to the State of Emergency that presently exists, delivery of all meals from Pender C.I. to staff of the Pender County Jail shall be accomplished without entry of staff of the Pender County Jail into the Pender C.I. facility.

f. The Pender County Jail and Pender C.I. shall mutually agree upon times for Pender County Jail to accept delivery of meals so as not to conflict with Pender C.I.'s normal meal preparation operations and/or applicable food service regulations.

g. The Pender County Jail and NCDPS understand that in providing these meals, Pender C.I. may be subject to quarterly inspections by the Pender County Health Department. If such health department inspections are necessary, the Pender County Jail agrees to reimburse NCDPS for any fee associated with such inspections.

2. Pender C.I. shall provide meals to the Pender County Jail, as provided herein, from September 6, 2021, to January 1, 2022. This Memorandum of Understanding may be extended by mutual consent of the parties upon 30 days' advance agreement regarding extension.

3. NCDPS shall keep records of meals prepared and/or delivered on a per meal, per day basis for proper auditing and invoicing utilizing the DC-873 REPORT ON MEALS

DELIVERED report. Pender County Jail officers picking up meals will sign the DC-873 to acknowledge the number of meals picked up.

4. Pender C.I. shall report to the NCDPS Controller's Office on the 5th of the following month the total number of meals provided to the Pender County Jail. All billing to the Pender County Sheriff's Office and Jail will be done from the NCDPS Controller's Office.

   a. NCDPS invoices shall be mailed to the following address:

      Captain Randy King
      Pender County Jail
      104 N. Walker Street
      Burgaw, NC 28425
      (910) 259-1353 ext 4

   b. Payment of $2.00 per standard meal (plus tax) and $2.60 per special diet meal (plus tax) shall be made each month by the Pender County Sheriff's Office, along with any incurred health inspection fee, to the following address:

      North Carolina Department of Public Safety
      4220 Mail Service Center
      Raleigh, NC 27699-4220
      Attn: Marlo Faulk
      Telephone: (919) 324-1037

   c. NCPDS reserves the right to increase the costs of meals, understanding that the Pender County Sheriff's Office may on that basis elect to terminate this Memorandum of Understanding as provided in Paragraph 6.

5. Both parties agree to comply with all Federal, state, and local laws, ordinances, rules, and regulations with regard to food service for incarcerated offenders.

6. This Memorandum of Understanding may be terminated at any time by either party, with or without cause, upon 30 days' written notice to the other party. Notices shall be forwarded to the addresses listed in Paragraph 4.

IN WITNESS WHEREOF, the parties hereto execute this Memorandum of Understanding effective the above-stated date.

NCDPS-DACJJ, SECTION OF PRISONS

Commissioner — Date: 9-7-21

PENDER CORRECTIONAL INSTITUTION

Warden — Date: 09/07/2021

PENDER COUNTY SHERIFF'S OFFICE

Sheriff — Date: 9-7-21

This instrument has been preaudited in the manner required by the Local Government Budget and Fiscal Control Act.

Margaret C. Blue

Pender County
Request for Board Action

TO:	Board of County Commissioners
FROM:	Kenneth Keel
DATE:	November 15, 2021
SUBJECT:	Approval of Agreement with Skip Green & Associates for EDA Grant Administration and associated Purchase Order

SUMMARY:
The EDA grant that we received recently for $1.575 million for a new natural gas emergency generator at the Water Plant and a flood control berm at the Melinda K. Knoezer Adaptive Ecosystem Wastewater Plant requires a significant amount of reporting and administration. Skip Green assisted Pender County with the application for the grant and with significant effort to ensure funding when the initial proposed funding sources ran out. Mr. Green is very familiar with the work required for this EDA grant administration, and we recommend continuing with his assistance through the project to ensure project continuity.

Staff has evaluated the $25,000 fee that is proposed, and found it to be reasonable and comparable or less than similar fees charged by other vendors. I have attached two emails, one from the vendor and one from a third party, which verify that the quoted cost is reasonable and on the lower end of expectations.

Funds are available for this work and will be paid from account 072-404500.

ACTION REQUESTED:
Approve Agreement with Skip Green & Associates for EDA Grant Administration and associated Purchase Order

ATTACHMENTS:
Professional services agreement with Skip Green & Associates

SKIP GREEN AND ASSOCIATES, INC.
PROFESSIONAL SERVICES AGREEMENT

AGREEMENT

This Agreement made and entered into this __th day of _____, 2021 by and between Skip Green and Associates, Inc. hereinafter referred to as "Contractor" and the County of Pender, hereinafter referred to as the "Client" to provide services as related to the Client's Economic Development Administration (EDA), US Department of Commerce, Title IX Economic Adjustment Project - Pender Progress Park Water and Sewer Improvement Project.

WITNESSETH:

THAT WHEREAS, the Contractor is engaged in the principal business of providing administrative, planning and grant services to Private entities, individuals and special purpose units of government; and

WHEREAS, the Client has received a Economic Development Administration (EDA), US Department of Commerce, Title IX Economic Adjustment Project - Pender Progress Park Water and Sewer Improvement Project.

WHEREAS, the Client desires to utilize the Contractor to provide administrative services in connection with this grant; and

NOW, THEREFORE in consideration of the mutual promises and agreement to each other hereinafter set forth, Contractor and Client agree as follows:

SECTION ONE:
SCOPE AND TERM OF EMPLOYMENT

The Contractor will provide services to the Client as contained in “Exhibit A" which is attached to this agreement and made a part hereof.

SECTION TWO:
COMPENSATION OF CONTRACTOR

For and in consideration of the services, which may be provided under this Agreement, the Client hereby agrees to compensate the Contractor a lump sum fee of $25,000 for EDA administrative services. Administration payments will be due and payable as outlined in “Exhibit B” which is attached to this agreement and made a part hereof.

SECTION THREE:
MODIFICATION OF CONTRACT

No waiver or modification of this Agreement or of any covenant, condition, or limitation herein contained shall be valid unless in writing and duly executed by Contractor and Client and no evidence of any waiver or modification shall be offered or received in evidence of any proceeding, arbitration, or litigation between the parties hereto arising out of or affecting this Agreement or the rights or obligations of the parties hereunder, unless such waiver or modification is in writing, duly executed as aforesaid, and the parties further agree that the provisions of this section may not be waived except as herein set forth.

SECTION FOUR:
LEGAL REMEDIES/TERMINATION

If through any cause, Contractor or Client fails to fulfill in a timely and proper manner the obligations under this contract, Contractor and Client shall thereupon have the right to terminate this contract by giving fifteen (15) days written notice to the other party of such termination and by specifying the cause of termination and the effective date thereof. In any event, all finished or unfinished deliverable items prepared by the Contractor under this contract shall entitle the Contractor to receive just and equitable compensation for work completed and deliverable. Payment shall be for accrued fees for services and expenses incurred remaining unpaid at the time of termination. It is further agreed that any breach or evasion of any of the terms of this contract by either party will authorize recourse to injunction and/or specific performance as well as to all other legal or equitable remedies to which such injured party may be entitled hereunder.

SECTION FIVE:
IMPOSSIBILITY OF PERFORMANCE

Neither the Contractor or Client shall be deemed to be in default of its obligations hereunder if and so long as it is prevented from performing such obligations by an act of war, hostile foreign action, nuclear explosion, riot, strikes, boycott, civil insurrection, earthquake, hurricane, tornado or other catastrophic natural event or act of God.

SECTION SIX:
SEVERABILITY

All agreements and covenants contained herein are severable, and in the event any of them, with the exception of those contained in Section One and Three hereof, shall be held to be invalid by any competent court of law, this contract shall be interpreted as if such invalid agreements or covenants were not contained herein.

SECTION SEVEN:
CHOICE OF LAW

It is the intention of the Contractor and Client that this Agreement and the performance hereunder and all suits and special proceedings hereunder be construed in accordance with and under and pursuant to the federal laws and to the laws of North Carolina and that in any action, special proceeding or other proceeding that may be brought arising out of, in connection with, or by reason of this Agreement, the federal laws or the laws of the State of North Carolina shall be applicable and shall govern to the exclusion of any other forum, without regard to the jurisdiction in which any action or special proceeding may be instituted.

SECTION EIGHT:
CONFLICT OF INTEREST

No member, officer, or employee of the recipient, or its agents, no members of the governing body of the locality in which the program is situated, and no other public official of such locality or localities who exercises any functions or responsibilities with respect to the program during his/her tenure or for one year thereafter, shall have any financial interest, direct or indirect, in any contract or subcontract, or the proceeds thereof, for work to be performed in connection with the program assisted under this Agreement. Immediate family members of said members, officers, employees, and officials are similarly barred from having any financial interest in the program. The recipient shall incorporate, or cause to be incorporated, in all such contracts or subcontracts, a provision prohibiting such interest pursuant to the purpose of this section.

SECTION NINE:
ADDITIONAL SERVICES

This contract may be modified as set forth in "SECTION THREE" to enable additional services to be performed. Additional services are those resulting from (1) the Contractor being asked to perform duties beyond those contained in the original scope of work and (2) the Contractor having to spend additional time to complete activities due to circumstances beyond the Contractor's control. The Contractor's lump sum does not include compensation for providing additional services.

a. The Contractor shall provide additional services, as requested in writing by the Client and accepted by the Contractor, at an hourly rate of $90.00.

b. In the event that the project completion is anticipated to fall behind schedule due to circumstances beyond the control of the Contractor, the Contractor shall request additional compensation from the Client at hourly and per diem rates contained in the Contractor's proposal to provide administrative services, which by attachment is a part of this Agreement.

SECTION NINE:
CDBG CONTRACT PROVISIONS

Professional Services Contract Provisions

Provision	Contract Amount All Contracts	$10,000 & Over
1. Conflict of Interest Provision	x	x
2. Legal Remedies Provisions	x	x
3. Termination Provision		x
4. Nondiscrimination Clause	x	x
5. Age Discrimination Clause	x	x
6. Handicap Discrimination Clause	x	x
7. E.O. 11246 Clause		x
8. Section 3 Clause	x	x
9. Access to Records and Record Retainage Clause	x	x
10. Lobbying Clause	x	x

1. CONFLICT OF INTEREST

No member, officer, or employee of the recipient, or its agents, no members of the governing body of the locality in which the program is situated, and no other public official of such locality or localities who exercises any functions or responsibilities with respect to the program during his/her tenure or for one year thereafter, shall have any financial interest, direct or indirect, in any contract or subcontract, or the proceeds thereof, for work to be performed in connection with the program assisted under this Agreement. Immediate family members of said members, officers, employees, and officials are similarly barred from having any financial interest in the program. The recipient shall incorporate, or cause to be incorporated, in all such contracts or subcontracts, a provision prohibiting such interest pursuant to the purpose of this section.

2/3. LEGAL REMEDIES/TERMINATION

If through any cause, the Contractor shall fail to fulfill in a timely and proper manner his obligations under this Agreement, or if the Contractor shall violate

any of the provisions of this Agreement, the Owner may upon written notice to the Contractor terminate the right of the Contractor to proceed under this Agreement or with such part or parts of the agreement as to which there has been default, and may hold the Contractor liable for any damages caused to the Owner by reason of such default and termination. In the event of such termination, the Contractor shall be entitled to receive equitable compensation for any work completed to the satisfaction of the Owner. The Contractor, however, shall not be relieved of liability to the Owner for damages sustained by the Owner for reason of any breach of the Agreement by the Contractor for the purpose of setoff until such time as the amount of damages due the Owner from the Contractor is determined. The Contractor shall not be held liable for damages under this Article solely for reasons of delay if the delay is due to causes beyond his control and without his fault or negligence, but this shall not prevent the Owner from terminating this Agreement because of such delay.

4. NONDISCRIMINATION

No persons in the United States shall on the grounds of race, color, creed, national origin, or sex be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity funded in whole or in part with funds available under this title.

5. AGE DISCRIMINATION

Age Discrimination Act of 1975 (as amended): No qualified person shall on the basis or age be excluded from participation in, be denied the benefits of, or otherwise be subjected to discrimination under any program or activity which received benefits from Federal Financial Assistance.

6. HANDICAP DISCRIMINATION

Section 504 of the Rehabilitation Act of 1973 (as amended): No qualified handicapped person shall, on the basis of the handicap be excluded from participation in, be denied the benefits of, or otherwise be subjected to discrimination under any program or activity which received benefits from Federal Financial Assistance.

7. EXECUTIVE ORDER 11246

During the performance of this contract, the contractor agrees as follows:

(1) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The contractor will take affirmative action to ensure that applicants are employed

and that employees are treated during employment, without regard to their race, color, religion, sex or national origin. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of

compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of this nondiscrimination clause.

(2) The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex or national origin.

(3) The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice, to be provided by the agency contracting officer, advising the labor union or workers' representative of the contractor's commitments under section 202 of Executive Order 11246 of September 24, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

(4) The contractor will comply with all provisions of Executive Order No. 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.

(5) The contractor will furnish all information and reports required by Executive Order No. 11246 of September 24, 1965, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations and orders.

(6) In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of such rules, regulations, or orders, this contract may be canceled, terminated, or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies involved as provided in Executive Order No. 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

8. SECTION 3 PROVISIONS

a. The work to be performed under this contract is on a project assisted under a program providing direct Federal financial assistance from the U.S. Department of Commerce and is subject to the requirements of Section 3 of the Housing and Community Development Act of 1968 (as amended), 12 U.S.C. 170lu. Section 3 requires that to the greatest extent possible, opportunities for training and employment be given to lower income residents of the project area and contracts for work in connection with this project be awarded to business concerns which are located in, or owned in substantial part by persons residing in the project area.

b. The parties to this Agreement will comply with the provisions of said Section 3 and the regulations issued pursuant to the Secretary of Housing and Urban Development set forth in 24 CFR 135, and all applicable rules and orders of the Department issued thereunder prior to the execution of this contract. The parties to this Agreement certify and agree that they are under no contractual or other disability which would prevent them from complying with these requirements.

c. The contractor will send to each labor organization or representative of workers with which he has a collective bargaining agreement or other contract or understanding, if any, a notice advising the labor organization or workers or representatives of his commitments under this contract and shall post copies of the notice in conspicuous places available to employees and applicants for employment and training.

d. The contractor will include this Section 3 clause in every subcontract for work in connection with this project and will, at the direction of the application for or receipt of Federal financial assistance, take appropriate action pursuant to the subcontract upon a finding that the subcontractor is in violation of regulations by the Secretary of Housing and Urban Development, 24 CFR Part 135. The contractor will not subcontract with any subcontractor where it has notice or knowledge that the other has been found in violation of regulations under 24 CFR Part 135 and will not let any subcontract unless the subcontractor has first provided it with a preliminary statement of ability to comply with the requirements of these regulations.

e. Compliance with the provisions under Section 3, the regulations set forth under 24 CFR Part 135, and all applicable rules and orders of the Department issued hereunder prior to the execution of this contract, shall be a conditions of the Federal financial assistance provided to the project, binding upon the applicant and recipient for such assistance, its successors and assigns

to those sanctions specified by the grant or loan agreement of the contract through which Federal financial assistance is provided, and to such sanctions as are specified by 24 CFR Part 135.

9. ACCESS TO RECORDS AND RECORD RETAINAGE

In general, all official project records and documents must be maintained during the operation of this project and for a period of five (5) years following the close-out.

The U.S. Department of Housing and Urban Development, the North Carolina Department of Commerce, the Comptroller General of the United States, or any of their duly authorized representatives, shall have access to any books, documents, papers and records of the Administering Agency which are pertinent to the execution of this Agreement, for the purpose of making audits, examination, excerpts and transcriptions.

10. LOBBYING CLAUSES

Required by Section 1352, Title 31, U.S. Code (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative, agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement. (2) If any funds other than Federal appropriated funds have been paid or will be paid any persons for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying", in accordance with its instructions.

SECTION TEN:
EDA CONTRACT SIGNATURE PAGE

This Agreement now therefore executed as each party hereunto sets their hand and seal as of the date first mentioned above.

CONTRACTOR:	CLIENT:
Skip Green and Associates, Inc.	**County of Pender**
_____	_____
Jesse W. Green, Jr., President	
_____ Date	_____ Date

EXHIBIT A

PROFESSIONAL MANAGEMENT SCOPE OF SERVICES

Skip Green and Associates, Inc. scope of services will include the following services:

A. Project Management

1. Develop a recordkeeping and filing system consistent with program guidelines.
2. Maintenance of filing system.
3. Provide general advice and technical assistance to County personnel on implementation of project and regulatory matters.
4. Assist in the procurement of professional consulting engineering/architectural services through the request for proposal process, if applicable, and as required by the EDA regulations.
5. Furnish County with necessary forms and procedures required for implementation of project.
6. Assist the County in meeting special condition requirements that may be stipulated in the contract between the County and EDA.
7. Prepare and submit to EDA documentation necessary for amending the any contract.
8. Conduct re-assessment of environmental clearance for any program amendments.
9. Prepare and submit quarterly, semi-annual financial, and close-out reports.
10. Ensure that activities/documentation meet EDA requirements for applicable project management checklists.
11. Provide guidance to the County regarding acquisition of property, if applicable.

B. Financial Management

1. Assist the County in submitting the required ACH Form to EDA.
2. Ensure the adoption of a Project Budget Ordinance.
3. Prepare all EDA Outlay Request for Reimbursement, worksheets, with support documentation for County review, approval and signature, then transmit to EDA at 25%; 50%; 75%; 90% and at Project Close-out.
4. Review invoices received for payment and file back-up documentation.
5. Provide general advice and technical assistance to County personnel on

implementation of project and regulatory matters.

C. Construction Management

1. Ensure Engineer/Architect's design scope is consistent with approved EDA project scope.
2. Provide the Engineer/Architect all required EDA contract provisions to be included with bid documents, including applicable Davis Bacon wage rates.
3. Coordinate the development of plans and specifications; permitting; meeting EDA Special Conditions to enable bidding to proceed; bidding; contract award; and issuance of notice-to-proceed with Engineer/Architect/County and obtain documentation to submit to EDA to show project compliance with EDA checklists/contracting procedures.
4. Provide EDA project management guidance at Pre-construction conference and submit Pre-construction conference notes to EDA.
5. Take photos of EDA sign and submit to EDA.
6. Process and submit change orders to EDA.
7. Serve as the Project "Labor Standard Officer:
   a. Request wage rates from US Department of Labor.
   b. Submit any reports of additional classification and rates to US DOL and transmit to EDA.
   c. Review weekly payrolls, including compliance follow-ups.
   d. Conduct employee interviews.

D. Audit / Closeout Procedures

1. Prepare the Final Acceptance Report for appropriate signatures to submit to the EDA.
2. Assist County in resolving any monitoring and audit findings.
3. Assist County in resolving any third-party claims.
4. Provide auditor with EDA audit guidelines.

EXHIBIT B

COMPENSATION

Economic Development Administration, U.S. Department of Commerce, Public Works Project.

Project Administration

Lump sum payment of $25,000.

Project schedule: Project begins: 09/08/2021
Project ends: 06/08/2025

20% of the lump sum payment ($5,000) will be paid as 44 equal payments ($111) and a 45th payment of $116 for general project administration.

75% of the lump sum payment ($18,750) will be paid based on the percentage of construction that has been completed. The percentage will be based on the total work completed to date divided by the approved construction contract amount.

5% of the lump sum payment ($1,250) will be paid after the submittal of EDA close-out documents and the County's receipt of the final EDA payment.

Any unpaid amounts up to the lump sum will be paid upon the County's receipt of the final EDA payment.

The lump sum amount includes all contractor costs associated with project administration including travel, supplies, copying, mailing, etc.

Pender County
Board of Commissioner Meeting Minutes
November 1, 2021

TO:	Board of County Commissioners
FROM:	Tera Cline
DATE:	November 15, 2021
SUBJECT:	Approval of the Board of Commissioner Meeting Minutes November 1, 2021

SUMMARY:
Board Of Commissioners meeting minutes for November 1, 2021

ACTION REQUESTED:
Requesting approval of meeting minutes

MINUTES
Board of County Commissioners Meeting
Monday, November 1, 2021 4:00 PM
Pender County Public Assembly Room

MEMBERS PRESENT: George Brown
Fred McCoy
Jacqueline A. Newton
David Piepmeyer

MEMBERS ABSENT: David Williams

OTHERS PRESENT: Chad McEwen, County Manager
Trey Thurman, County Attorney
Tera Cline, Clerk to the Board
Doug Shipley, Assistant County Manager
Allen Vann, Assistant County Manager
Other Staff and Members of the Press and Public.

1 CALL TO ORDER

Chairman call the meeting to order at 4:00 PM

2 INVOCATION

Commissioner McCoy presented the invocation.

3 PLEDGE OF ALLEGIANCE

Commissioner Piepmeyer let the pledge of allegiance.

4 ADOPTION OF AGENDA

Moved by Fred McCoy, seconded by David Piepmeyer

Motion to adopt the agenda

	For	Against	Abstained	Absent
George Brown	x			
Fred McCoy	x			
Jacqueline A. Newton	x			
David Piepmeyer	x			

David Williams				x
	4	0	0	1

CARRIED.

4.2 Motion to excuse Commissioner David Williams

5 PUBLIC HEARING

6 PUBLIC INFORMATION

7 PUBLIC COMMENT

7.1 James Meeks, 2387 Rooks Rd, expressed his concern to the board in regards to the amount of Pender County property taxes.
The board expressed their appreciation to Mr. Meeks for coming out and speaking and stated that the tax rate is very comparable to other rural counties.

Tommy Batson, EM Director, introduced the new Pender County Fire Marshal Mark Haraway to the board.

Kenny Keel, Utilities Director, introduced the new Pender County Utilities Project Manager Adam Snipes to the board.

8 CONSENT AGENDA

8.1 Approval of a Purchase Order for the Central Square (Zuercher) Annual Subscription and Annual Maintenance fee in the amount of $91,179.49.

8.2 Approval of Tax Releases and Refunds

8.3 Approval of the Board of Commissioner Meeting Minutes October 18, 2021

Moved by Fred McCoy, seconded by David Piepmeyer

Motion to approve consent agenda

	For	**Against**	**Abstained**	**Absent**
George Brown	x			
Fred McCoy	x			
Jacqueline A. Newton	x			
David Piepmeyer	x			
David Williams				x
	4	0	0	1

CARRIED.

9 APPROVALS AND RESOLUTIONS

9.1 Approval of a Budget Ordinance Amendment for the demolition of the BASF/Takeda Property in Pender Commerce Park

Chad McEwen, County Manager, stated to board that the decommissioning and demolition of the BASF/Takeda property has been approved by the board. Mr. McEwen requested a BOA to appropriate the funds to cover the project. Total amount for the BOA is $187,350.00.

Moved by Fred McCoy, seconded by David Piepmeyer

Motion to approve

	For	Against	Abstained	Absent
George Brown	x			
Fred McCoy	x			
Jacqueline A. Newton	x			
David Piepmeyer	x			
David Williams				x
	4	0	0	1

CARRIED.

9.2 Approval of Budget Ordinance Amendment for Jail/LEC Project #6093

Chad McEwen, County Manager, stated to the board this BOA is for the Jail/LEC project contract with Moseley Architects, P.C. The contract was approved by the board at the 10-18-2021 meeting. Mr. McEwen shared with the board the preliminary time line provided by Moseley Architects as well as funding plan for the project. Commissioner Piepmeyer made a motion contingent that Moseley provides a more detailed and sequential time line and requested Managers and Sherriff Cutler and county staff maintain active communications with the board in regards to construction. Sherriff Cutler was asked to think about what might be done with the old facility. Total amount of BOA 1,850,000.00

Moved by David Piepmeyer, seconded by Jacqueline A. Newton

Motion to approve

	For	Against	Abstained	Absent

George Brown	x			
Fred McCoy	x			
Jacqueline A. Newton	x			
David Piepmeyer	x			
David Williams				x
	4	0	0	1

CARRIED.

9.3 Approval of Sale of Right of Way and Granting of Temporary Construction Easement to NCDOT for Construction of Hampstead Bypass

Travis Henley, Planning Director, presented to the board the request from NCDOT has requested a temporary construction easement along the northern portion of St. Johns Church Road in the vicinity of Topsail High School, upon which point the roadway is located on County property. This temporary easement is necessary to adjust this portion of the roadway, and will include a slight modification to one of the driveways into Topsail High School to the southeast (see attached sketch plan). This construction easement will be dissolved upon completion of the Bypass project. NCDOT proposes compensation to Pender County in the amount of $20,075, which includes $1,675 for the 0.021 acres of right-of-way to be acquired and $18,400 for the temporary construction easement along St. Johns Church Road.

Moved by David Piepmeyer, seconded by Fred McCoy

Motion to approve

	For	**Against**	**Abstained**	**Absent**
George Brown	x			
Fred McCoy	x			
Jacqueline A. Newton	x			
David Piepmeyer	x			
David Williams				x
	4	0	0	1

CARRIED.

9.4 Consideration of Courthouse Files Relocation Expenses

Allen Vann, Assistant County Manager, introduced Charles Boney with LS3P and stated to the board that the Courthouse files have exceeded the capacity of the allocated storage areas. These files need to be

distributed throughout the building on both first and third floors. In doing so, there is a need to reinforce the first floor for additional weight load in the Criminal, Estates, and Special Proceedings divisions with high density shelving. Commissioner Newton requested to know if all the files that came out of the courthouse before the restoration went back into the courthouse after the restoration. Elizabeth Craver, Clerk of Court, stated to the board that not all the files that came out went back in due to purging but 3 years of new cases were added. Charles Boney, LS3P Architects, presented to the board a suggested plan to alleviate the files weight distribution issue. Presentation attached. Mr. Boney stated that his concern is with the amount of files that were placed back in the courthouse and the ADA hazards of the shelves as well. Allen Vann, Asst. County Manager gave an overview of the shelving units and installation and cost. Mr. Boney stated to the board that his determination was made based on the file storage he saw after the restoration. The board requested that alternate solutions be presented to the board and the board determines the solution. Ms. Craver, explained to the board some physical moves of personal and files to try and accommodate the space. The board confirmed with Ms. Craver and Mr. Boney that this is just a "Band-Aid" for the storage of files. Trey Thurman, County Attorney, confirmed with the board that the General State Law states files can be stored off site based on condition of the storage and permission from the Clerk of Court. Elizabeth Craver, Clerk of Court, stated she was told by a representative in Raleigh that the state had the possibility of donating money to Pender County for storage. Chairman Brown stated that he did not feel there was much support on this item at the moment and felt it needed to be discussed in closed session and stated item 9.4 would be tabled.

10 DISCUSSION

11 APPOINTMENTS

12 MAPLE HILL WATER AND SEWER DISTRICT

13 ROCKY POINT WATER AND SEWER DISTRICT

14 SCOTTS HILL WATER AND SEWER DISTRICT

15 MOORES CREEK WATER AND SEWER DISTRICT

16 CENTRAL PENDER WATER AND SEWER DISTRICT

17 PENDER COUNTY BOARD OF HEALTH

18 SOCIAL SERVICES BOARD

19 ITEMS FROM THE COUNTY ATTORNEY, COUNTY MANAGER, ASSISTANT COUNTY MANAGERS, & COUNTY COMMISSIONERS

19.1 Trey Thurman, County Attorney, stated that closed session items were as follows:

Item 3: Attorney Client
Item 4: Economic Development
Item 5: Acquisition of real property

Commissioner Piepmeyer stated he received a letter from Raleigh in regards to the financial audit. He stated he was concerned about the findings being the same every year and that the audit was late.

Commissioner Newton requested an updated list of active projects, issues, etc. be given to the board every meeting.

20 CLOSED SESSION (IF APPLICABLE).

20.1 Motion to go into closed session made at 5:32 P.M. Motion to enter into closed session pursuant to G.S. 143-318.11: 3) To consult with an attorney employed or retained by the public body in order to preserve the attorney-client privilege between the attorney and the public body, which privilege is hereby acknowledged. General policy matters may not be discussed in a closed session and nothing herein shall be construed to permit a public body to close a meeting that otherwise would be open merely because an attorney employed or retained by the public body is a participant. The public body may consider and give instructions to an attorney concerning the handling or settlement of a claim, judicial action, mediation, arbitration, or administrative procedure. If the public body has approved or considered a settlement, other than a malpractice settlement by or on behalf of a hospital, in closed session, the terms of that settlement shall be reported to the public body and entered into its minutes as soon as possible within a reasonable time; 4) To discuss matters relating to the location or expansion of industries or other businesses in the area served by the public body, including agreement on a tentative list of economic development incentives that may be offered by the public body in negotiations. The action approving the signing of an economic development contract or commitment, or the action authorizing the payment of economic development expenditures, shall be taken in an open session; 5) To establish, or to instruct the public body's staff or negotiating agents concerning the position to be taken by or on behalf of the public body in negotiating (i) the price and

other material terms of a contract or proposed contract for the acquisition of real property by purchase, option, exchange, or lease; or (ii) the amount of compensation and other material terms of an employment contract or proposed employment The Board exited closed session at approximately 6:13 p.m.

21 7PM PUBLIC HEARINGS: SPECIAL USE PERMITS/ZONING MAP AMENDMENTS/ RESOLUTIONS

22 ADJOURNMENT

Moved by David Piepmeyer, seconded by Jacqueline A. Newton

Motion to adjourn

	For	Against	Abstained	Absent
George Brown	x			
Fred McCoy	x			
Jacqueline A. Newton	x			
David Piepmeyer	x			
David Williams				x
	4	0	0	1

CARRIED.

Pender County
Pender County Digital Inclusion Plan

TO:	Board of County Commissioners
FROM:	Chad McEwen
DATE:	November 15, 2021
SUBJECT:	Pender County Digital Inclusion Plan

SUMMARY:
As much as $700,000,000.00 will be made available to expand high-speed internet service in North Carolina when the budget is approved in Raleigh. The Digital Inclusion Plan will make Pender County eligible for the maximum amount of broadband expansion funding. The money that Pender County could be eligible for with a Digital Inclusion Plan should fund high-speed Internet construction to practically every citizen of the County without access. This is probably the last chance to ever see funding on this scale made available for broadband expansion. ATMC has finalized a plan for Columbus and Bladen County. ATMC is also currently working with Duplin, Hoke, and Robeson County to develop their Digital Inclusion Plan. Adoption of this plan by the Pender County Commissioners would potentially give Pender County the opportunity to procure millions in additional broadband funding.

ACTION REQUESTED:
Requesting adoption of the Pender County Digital Inclusion Plan



PENDER COUNTY DIGITAL INCLUSION PLAN

DETAILED ACTION PLAN TO BRING BROADBAND CONNECTIVITY AND DIGITAL EQUITY TO PENDER COUNTY





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DRAFT

I. Introduction

High-speed internet is now a necessary utility in the 21st century world that we live in. The internet connects people to jobs, students to schools, and families to loved ones, yet there are many Pender County residents that still do not have access to reliable, high-speed internet. The COVID-19 pandemic highlighted the increasing need for high-speed internet when many were asked to work from home and complete schoolwork at home. More than ever, those without connectivity are falling further and further behind in the digital divide.

Pender County leadership recognized the need for access to broadband as a priority for the county and, through collaboration with community leaders, worked to form this Digital Inclusion Plan to help guide the county to a more connected future. Pender County leadership will spearhead efforts to create a committee, survey residents, gather information on resources and put together a comprehensive plan for Pender County.

As part of the process of putting together a Digital Inclusion Plan for Pender County, the Pender County government utilized broadband survey results from the North Carolina Department of Information Technology's NC Broadband Survey as well as those gathered by an ongoing broadband survey being conducted by ATMC, which began in June 2019. Data gathered from both surveys has been combined to help identify areas of Pender County where access to high-speed internet is limited or completely unavailable. Using this information, the committee can create specific recommendations and actions that will help expand high-speed internet to all areas of the county.

While the plan considers availability, access, and adoption, many underserved residents also struggle with affordability as they are consistently paying more for internet which cannot keep up with modern demands. Information was gathered on available resources in the county where residents could either use their devices at a place that offered free Wi-Fi or have access to a public computer. In addition, programs that provide digital literacy were catalogued. This information was recorded, and gaps were assessed in what is currently being provided and what programs could further benefit residents in the area.

A. About Pender County

Pender County is designated as the 16th most rural county in North Carolina by the Office of Rural Health Policy and according to the NC Office of State Budget and Management has a population of 63,153. Pender County has experienced a population increase of 24.29% since 2010. Although Pender County is designated by the State of North Carolina as a Tier 3 county, there are large disparities in the median household income and the average unemployment rate between the county's rural areas and coastal region. In fact, the county had an estimated population of 7,117 living below poverty. Additionally, the overwhelming increase in population growth for the coastal region is the primary reason for the county's Tier classification. Many of the same social and economic issues which are typically associated with lower tier counties in North Carolina also apply to the inland rural areas of Pender County.

Listed below are the towns and municipalities located in Pender County. Many of these areas are referenced throughout the plan when considering where resources are available.

DRAFT

Town/Municipality	Population
Atkinson	370
Burgaw	4,231
Hampstead	5,901
Rocky Point	1,687
St. Helena	426
Surf City	2,561
Topsail Beach	498
Watha	248
Source: World Population Review 2020	

B. Pender County Demography

The rural areas of Pender County have been faced with connectivity challenges for years. Deficiencies in cellular service and lack of access to high-speed internet has impacted the county negatively and impeded its ability to attract, grow and retain industry and commerce in more rural areas of the county. Without a suitable connection, many rural workers have been unable to take advantage of online educational opportunities or work remotely and are limited in their ability to take advantage of modern-day technologies. The full impact of this insufficiency was exposed in 2020 by the COVID-19 pandemic, when schools closed, in-person medical services were limited, and workers were forced to work from home. Many were forced to find drive-up Wi-Fi hotspots where they could do schoolwork from their car. Low-income families, especially, were unable to work, learn or receive essential services. In fact, the poverty rate for those who were unable to work was 19.61%.

According to ACCESSNC and ESRI's US Census Bureau Reports, Pender County currently has a population of 63,153 residents with approximately 75% residing outside of the county's incorporated municipalities. In total, 68.8% of the county's population is considered rural. The North Carolina Office of State Budget and Management and the US Census have determined Pender County to be the fifth fastest growing county in North Carolina. Many migrate to the areas after retirement and since 2010, based on reports from the World Population Review, the county has experienced an average annual growth rate of 2% and a combined overall growth rate of 24.29%. The coastal town of Surf City and areas along the Highway 17 corridor near Hampstead lead the county in growth; respectively, they have grown by 38.21% and 44.53% since 2010.

World Population Review also sites that Pender County's median age is 42.7. The ratio of male to females is nearly equal; with the ratio of females at 50.38 % and males just slightly below at 49.62%. The overall marriage rate is 51.2%. Married families also have the highest median income with $82,804 being the median. The median income drops to $29,753 for non-families. Lastly, they indicate that the average household size is 2.72.

Pender County contains two separate and vastly different places. The eastern third of the county along the coast is home to the largest concentration of the county's population and has the highest population density. This area has higher median incomes, higher home values, the majority of the county's industries and businesses, most of the county's healthcare facilities, and access to adequate internet service through for-profit, nationwide broadband companies like AT&T and Charter Communications. The remaining portions of Pender County are rural, sparsely populated, have little industry, lower median incomes, and limited access to adequate internet service.

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According to data provided by ESRI, there are approximately 1,918 businesses in Pender County, employing 16,420 residents. Most employees, 61%, are considered white-collar. The blue-collar workforce represents 27% and the remaining 12% is made up of the service industry.

C. Pender County Economy

Pender County is North Carolina's fifth largest county at 870 square miles of land and has access to several major highways, including NC Highway 132, US Highway 17, and Interstate 40, which runs through the middle of the county. Residents have access to employment opportunities in the neighboring cities of Wilmington and Jacksonville. In fact, the percentage of Pender County residents working outside the county is 58.8%. Only 40.2% of residents work inside Pender County. Jacksonville, which is home to the Marine Corps Base of Camp Lejeune in bordering Onslow County, is less than 13 miles from the Pender County town of Maple Hill. The City of Wilmington, located in bordering New Hanover County, is home to the Port of Wilmington, one of the East Coast's largest shipping ports. When COVID-19 restrictions were put into place because of the pandemic and workers were forced to work remotely, rural Pender County residents were negatively impacted by their lack of access to high-speed internet.

Largest Employers: Pender County	
Company/Organization	**Employees**
Pender County Schools	1,000+
Pender County Government	250-499
Pender Memorial Hospital	250-499
Department of Public Safety	250-499
Source: Wilmington Business Development	

Pender County is also home to a US Treasury certified Opportunity Zone. Through the Opportunity Zone Program, areas receive tax incentives for qualified investors to re-invest unrealized capital into low-income communities where the poverty rate is 20% or greater and/or family income is less than 80% of the area's median income.

Agriculture is a main contributor to the Pender County economy, contributing over $200 million dollars in production and jobs 2017, and the county is ranked 19th out of 100 in North Carolina for agricultural economic output. Primary crops produced in the county include corn, soybeans, and wheat. Blueberries, strawberries, and blackberries are also widely grown across the county. Protein products – pork and poultry – contribute more than $100 million annually along with an estimated 2,500 beef cattle raised in the county. And according to the 2017 USDA Census of Agriculture, Pender County is home to 336 farms with the average farm size coming in at 192 acres.

There are two institutions of higher learning located in Pender County: Cape Fear Community College's Burgaw location and Cape Fear Community College's Surf City location. Other nearby institutions are the University of North Carolina at Wilmington (UNC-Wilmington), Cape Fear Community College, and Miller-Motte College.

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II. Collective Vision for Digital Inclusion in Pender County

In recognition that broadband infrastructure and the resources and capabilities it can support is increasingly vital for communities, Pender County supports the goal that digital equity be achieved throughout the county. For this reason, a plan has been outlined below that can be carried out to provide resources and support of expansion of broadband accessibility as well as digital equity.

A. Vision Statement

To provide current and future residents and businesses in Pender County with the knowledge, tools and accessibility to fully participate in the digital society through accessible, affordable and sustainable connections to broadband.

B. Mission Statement

To empower all providers, community leaders, local governments, organizations, and other stakeholders seeking to solve digital accessibility and inclusion challenges across Pender County with the network, tools, and information needed to reach their goals.

C. Values

Accessibility – We believe fast, reliable, and sustainable broadband should be accessible by all residents and businesses in Pender County.

Affordability – We believe adequate broadband service should be made available at prices that are affordable to all citizens.

Adoption - We will strive toward providing education and tools to ensure that Pender County residents and businesses know the benefit of broadband.

Community Alliance – The committee along with community stakeholders will strive to work together to make this collective vision for digital inclusion a reality.

D. Goals & Objectives

County Broadband Goals

Goal 1: Improve broadband connectivity and access throughout the county.

- *Objective 1a:* Gather relevant data to assess current broadband infrastructure and analyze data gathered and include stakeholder input as well as identify priority areas in the county. This includes data from the FCC 477, NC DIT Broadband survey results and ISP surveys.

- *Objective 1b*: Seek to connect over 95% of Pender County homes to broadband speeds which deliver 100 Mbps download and at least 10 Mbps upload speeds by December 31st, 2024.

- *Objective 1c:* Set a mandate that broadband providers offer a 50 Mbps sub- $25 broadband option with eligibility verified through the FCC's Lifeline Broadband Discount Program to address affordability concerns for low-income households.

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Goal 2: Improve digital literacy skills among various communities in the county.

- *Objective 2a:* Inventory all anchor institutions and relevant organizations with access to fast internet and devices that could be positioned to host digital literacy workshops and/or provide public access to devices and internet.

- *Objective 2b:* List any current literacy programs available throughout the county, including efforts by schools, nonprofits, community colleges, libraries, etc.

- *Objective 2c:* Partner with stakeholders involved in digital literacy or skill training to draft a plan that identifies additional curriculum, locations used, frequency of offerings and volunteers/instructors available to conduct trainings.

Goal 3: Integrate digital inclusion strategies into community and economic development efforts.

- *Objective 3a:* Realign economic development efforts to provide support to existing businesses and their online presence and competitiveness to ensure that the future workforce has relevant digital skills.

- *Objective 3b:* Partner with stakeholders/apply for grant funding to install free Wi-Fi hotspots in strategic community areas, such as parks and town halls. Create a map that shows locations throughout county that offer free Wi-Fi, including restaurants, parks, stores etc.

- *Objective 3c:* Support precision agriculture among community farmers through support of broadband initiatives.

Digital Inclusion Plan Goals

- Identify and map unserved and underserved areas of Pender County that lack access to fast, affordable, high-speed internet access for the purpose of seeking funds required to bring fast internet service to these areas.

- Serve as a resource for stakeholders across Pender County in addressing broadband availability, sustainability, access, and adoption challenges.

- Encourage Pender County government and Internet service providers, who are already working to expand broadband connectivity to the county's underserved areas, to also focus on broadband affordability, access, adoption, and other digital inclusion priority areas.

- Provide a foundation for area stakeholders to develop digital inclusion strategies and programs.

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III. Current State of Digital Inclusion and Digital Divide in Pender County

A. Asset Inventory

Fixed and Mobile Broadband

NC Office of State Budget and Management demographic statistics report that Pender County has a population of 63,153 with 21,740 households and an average of 2.72 persons per household. Data from the U.S. Census Bureau Demographic Statistics for 2019 report that 79.2% of Pender County Households subscribe to an internet connection, leaving approximately 13,136 of the county's households without an internet connection. From a residential broadband availability perspective, the county has three internet service providers that currently provide internet service to the county. These include AT&T, CenturyLink, and Spectrum/Charter Communications. A fourth provider, ATMC, will enter the market with fiber optic delivered service in 2022.

As represented in the map on Figure 2, AT&T provides telephone service to an estimated 65% of Pender County. AT&T provides fiber to limited residential areas near Burgaw and Hampstead. In all other served areas, AT&T offers internet service delivered via fixed wireless and/or digital subscriber line (DSL) with speeds less than 10/1. As of October 1, 2020, AT&T no longer accepts new residential customers in DSL markets and no longer allows existing customers to make speed changes. In addition, AT&T has made very little effort to upgrade its legacy copper network in Pender County to be able to offer broadband speeds. By not allowing new customers to subscribe to DSL service, AT&T is effectively making their Pender County service area unserved.

CenturyLink's incumbent telephone area provides service to approximately 31% of Pender County where the provider offers internet service to residential customers almost exclusively via DSL. Figure 4 shows CenturyLink's service area in Pender County. CenturyLink's service area is overlapped by Spectrum's cable modem service in areas near Surf City, Topsail Island and along US Highway 17 near where Pender County borders Onslow County.

Spectrum provides broadband service to 86% of the Pender County households and businesses. Spectrum offers qualifying broadband speeds delivered over DOCSIS cable modem service in the towns of Burgaw, Rocky Point, Hampstead, Topsail and Surf City, as well as areas along US Highway 17. Spectrum has limited availability of fiber to the premises in small portions of the county and tends to be found primarily in new neighborhoods and business districts. Where Spectrum offers broadband speeds up to 1 gigabit, all who subscribe to Spectrum services would be considered a served address. Spectrum service areas are outlined on the map in Figure 5.

Although its service area is not shown on the FCC 477 broadband map, Four County Electric Membership Cooperative provides fiber optic delivered broadband service to a very limited number of businesses, schools, and governmental agencies in Pender County. Primarily used for its own internal purposes, Four County EMC does not provide residential broadband service.

ATMC is a cooperative broadband provider that received a USDA Reconnect Grant in 2020 to bring fiber optic delivered gigabit broadband speeds to more than 5,656 homes and businesses in Pender County's rural areas near Atkinson, Currie, Maple Hill, and White Stocking, which currently receive inadequate speeds from CenturyLink's DSL service or ATT's DSL/Fixed Wireless offering. Engineering and design work is currently underway on ATMC's Pender County project, and the company expects to begin providing service to Pender County residents early in 2022. The project to bring high-speed internet to these rural areas is expected to be complete in 2024 and is being made possible through use of federal grant funds totaling approximately $21.6 million. ATMC will provide an additional match of $7.2 million. At the completion of this project, ATMC will have made fiber optic delivered gigabit broadband service available to approximately 60.6% of Pender County's land area and approximately 19.4 % of Pender County households. ATMC's future service area is displayed in Figure 3.

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Methodology for Determining Broadband Availability:
The methodology used to identify and determine underserved and unserved addresses presented in this plan is based on research conducted using the FCC 477 fixed broadband map, a check of Pender County broadband provider website service availability tools, drive tests, Google Maps searches, public information found on the NC DIT mapping tool, plant record information submitted by Pender County broadband providers, public information pertaining to awarded grants, and survey results from a recent Pender County Broadband Survey. While there is no single source that can definitively identify all areas that are served or unserved, by combining information from these various sources, we believe this study effectively identifies unserved and underserved areas in Pender County.

The Pender County government utilized survey results from NC DIT's NC Broadband Survey as well as those gathered by an ongoing broadband survey by ATMC which began in June 2019. Respondents were able to complete a broadband availability survey by visiting FasterPender.com or the NC DIT website. Respondents were also allowed to mail in their survey response. Respondents are also asked to take a speed test if internet was available to them.

ATMC received a USDA ReConnect grant award within the last 12 months which allow the broadband provider to build fiber optic broadband infrastructure in various rural Pender County communities. For purposes of this study, we will consider the areas within ATMC's ReConnect grant area that are currently unserved, as served addresses. We are doing so because ATMC is required meet a timeline for which they will be required to build and serve the Pender County ReConnect area. These communities will include the rural areas to the east and west of Interstate 40 in Pender County. To determine served versus unserved areas in Pender County, a process of elimination was used based on varying data sources.

- **STEP 1:** Address points from the County GIS department were compared to service address data points that will be funded as part of the ReConnect Broadband grant won by local broadband provider ATMC. The addresses submitted by ATMC will soon be served by fiber optics to the home and will have availability of qualifying broadband service (25/3 Mbps or greater) within 24 months. These addresses have been identified as *served*.
- **STEP 2:** Each remaining Pender County GIS address point was checked for service availability using the service availability function on the websites of CenturyLink, AT&T and Spectrum. Address points that returned availability of qualifying broadband were identified as *served*. Address points that showed no availability of broadband service or showed availability of broadband speeds less than 25/3 Mbps, were identified as *unserved*.
- **STEP 3:** All remaining unserved address points were plotted on a map to identify clusters of unserved areas throughout the county.
- **STEP 4:** Responses from the NC Broadband Survey and the ATMC Survey were compared to the address data map. Responses where no internet service was available or where responses where availability of broadband service was less than 25/3 Mbps were plotted on the map to identify unserved areas of the county.

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Summary:

The totality of the data available from the broadband providers offering broadband service in the county coupled with first-hand feedback from residents gives an excellent indication of areas that will remain unserved in Pender County after ATMC's ReConnect broadband expansion project is completed. The largest concentration of these areas lies in rural areas that run east and west along Interstate 40 and inland north of Highway 17 near the Holly Shelter Game Land.

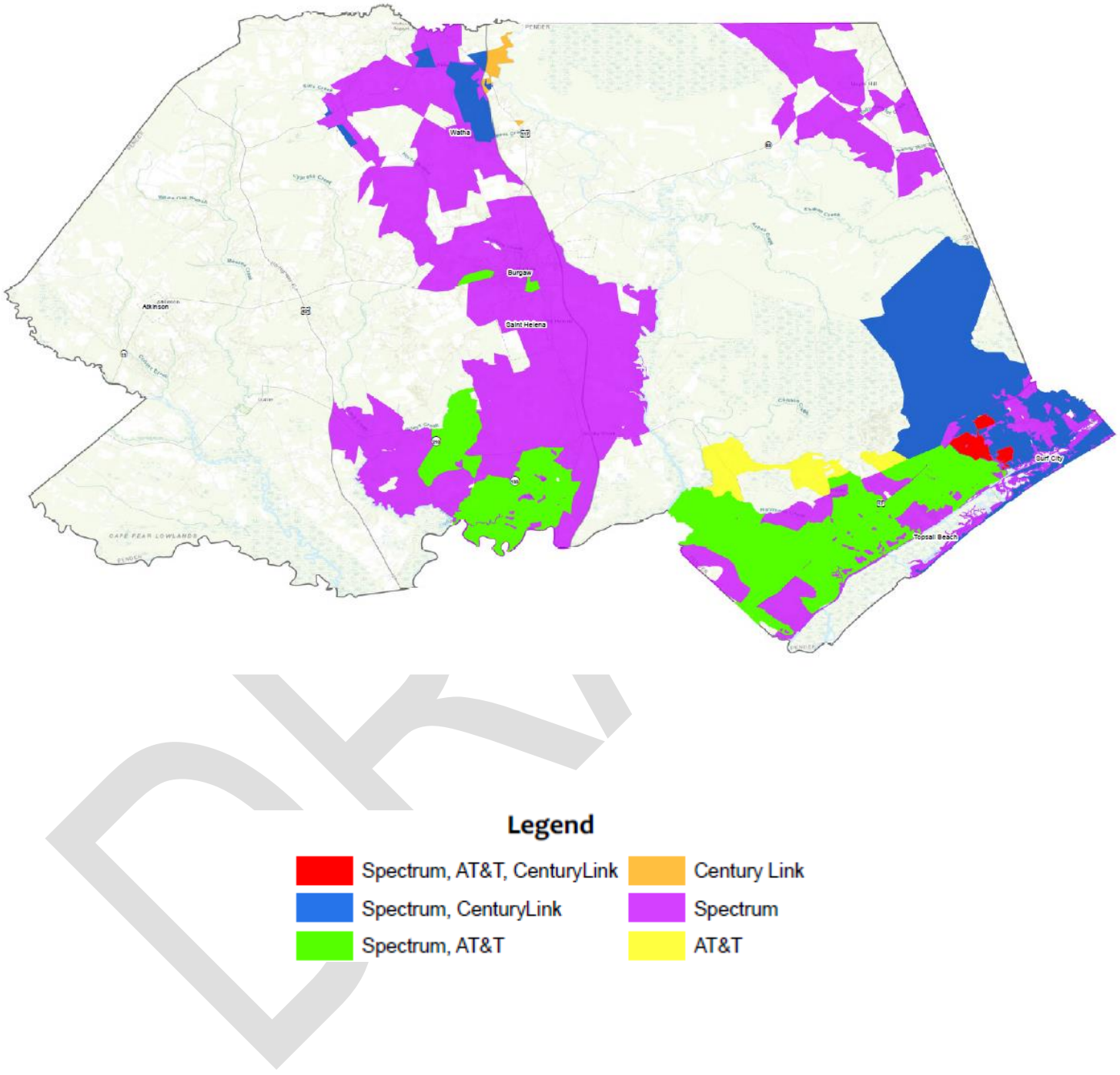
Fixed Internet Providers in Pender County		
Provider	**Tech Type**	**Max Advertised Speed**
ATMC	Fiber (Coming 2022/23)	Gigabit (Coming 2022/23)
AT&T	DSL	10 Mbps
AT&T	Fiber	Gigabit
CenturyLink	DSL	40 Mbps
Charter/Spectrum	Cable Modem	940 Mbps
Charter/Spectrum	Fiber	940 Mbps
It is important to emphasize that the maximum advertised speeds are not available to all subscribers/customers, and often actual speeds are less than advertised.		

**Information available as of July 2021.*

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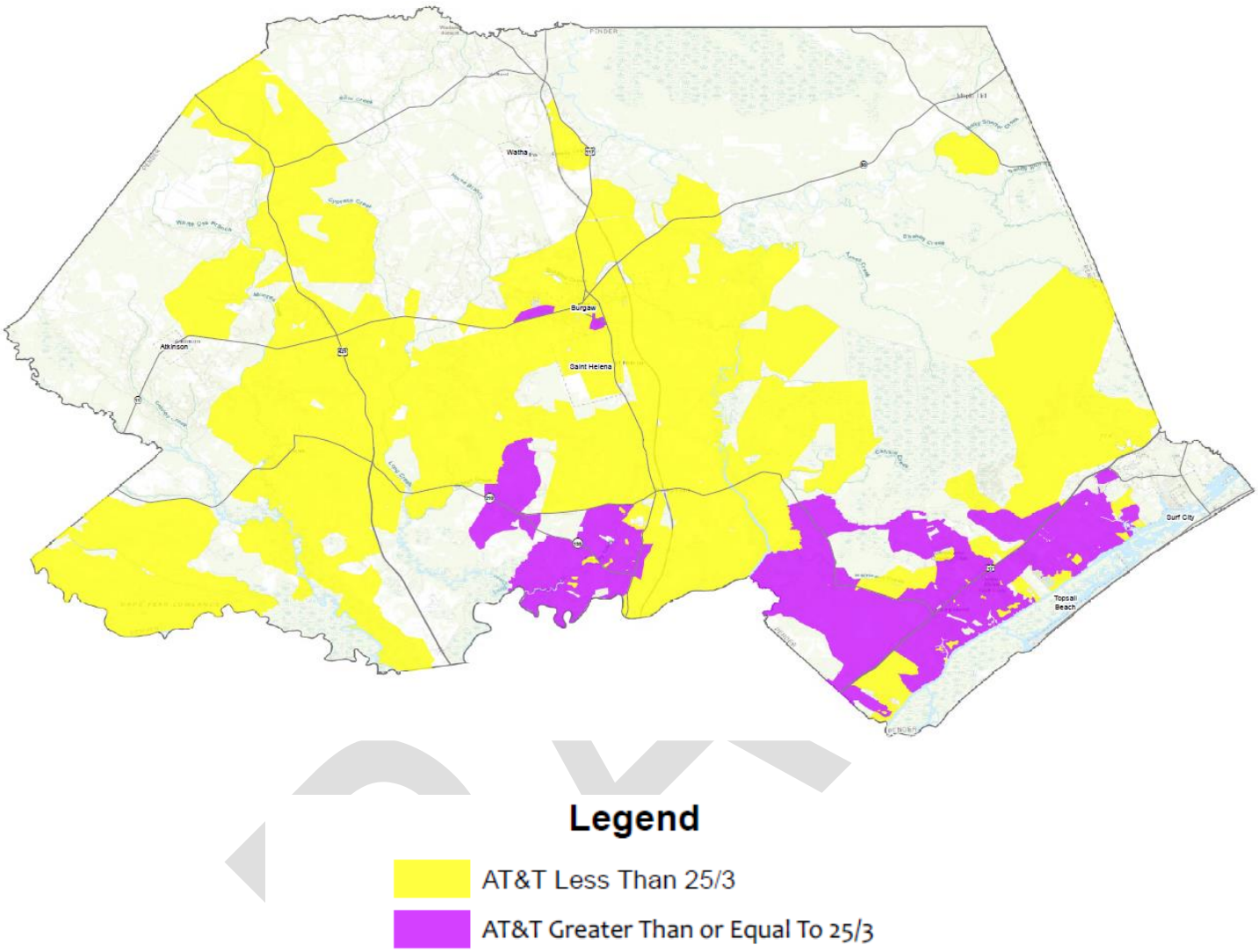
Service Provider Maps

Figure 1 – All Providers with Current Broadband Speeds Faster Than 25:3



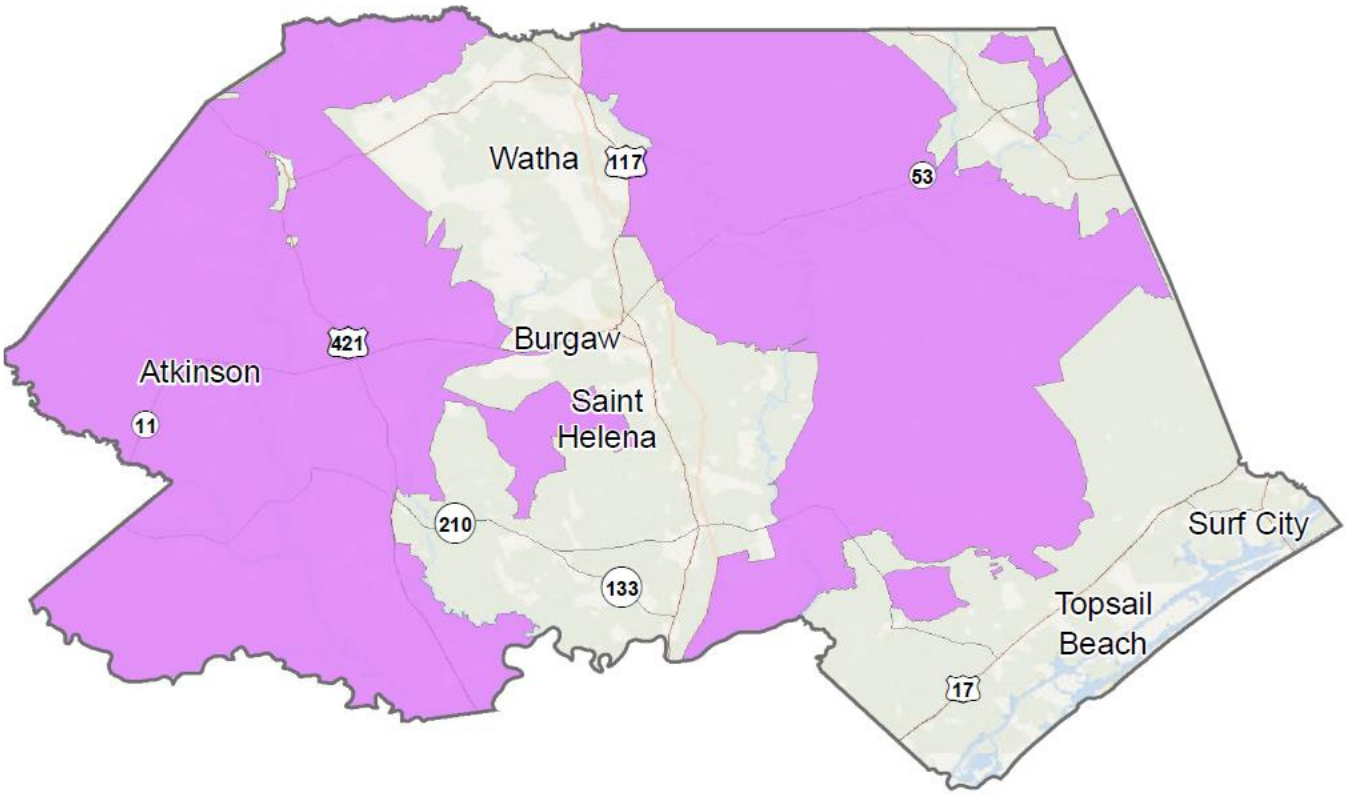
**Maps formed based on FCC 477 fixed broadband map, a check of Pender County broadband provider website service availability tools, drive tests, Google Maps searches, NC DIT mapping tool, plant record information submitted by Pender County broadband providers and public information. Information as of July 2021.*

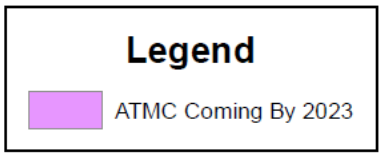
Figure 2 – AT&T Coverage



**Maps formed based on FCC 477 fixed broadband map, a check of Pender County broadband provider website service availability tools, drive tests, Google Maps searches, NC DIT mapping tool, plant record information submitted by Pender County broadband providers and public information. Information as of July 2021.*

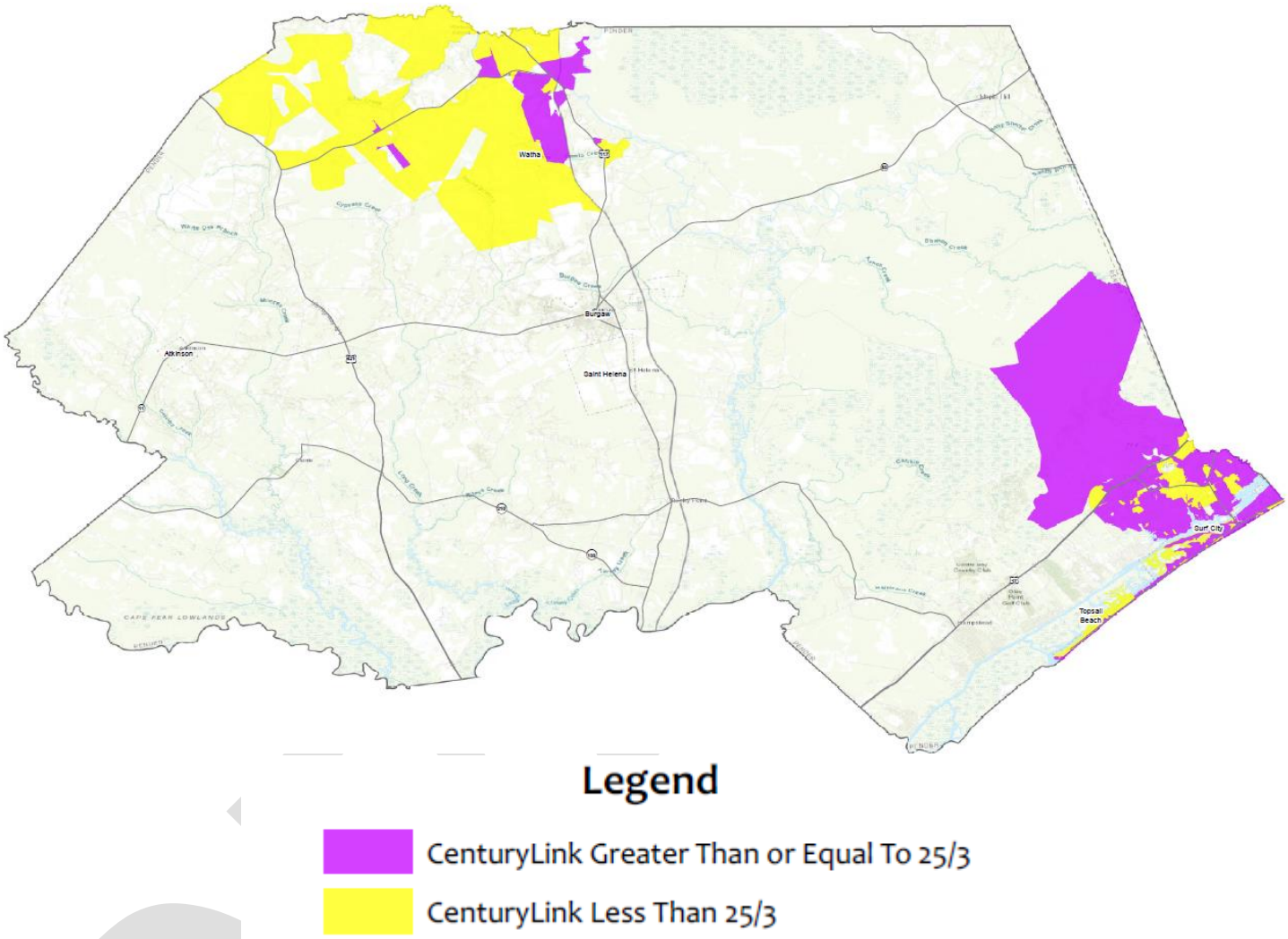
Figure 3 – ATMC Coverage (2023)





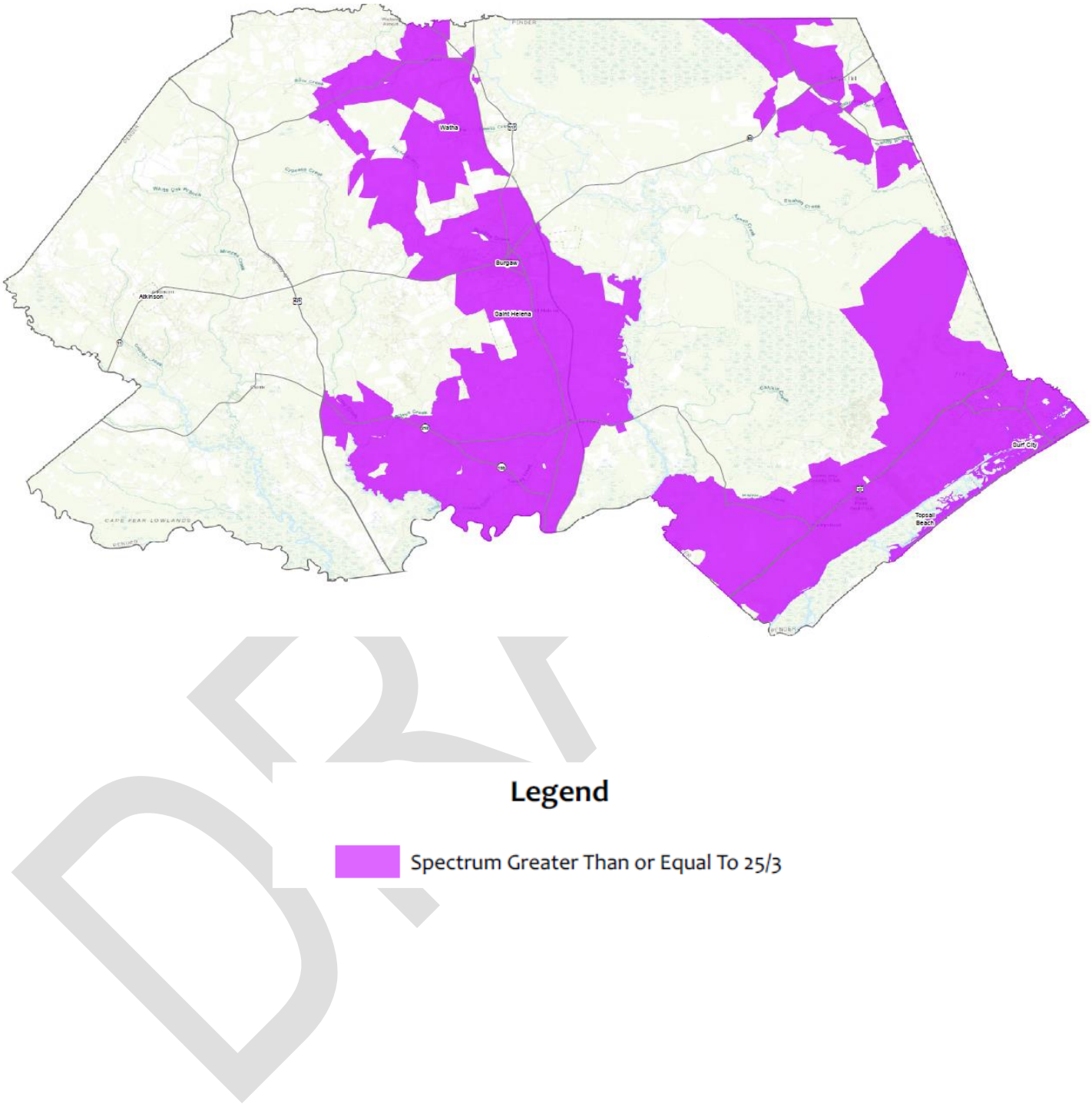
**Maps formed based on FCC 477 fixed broadband map, a check of Pender County broadband provider website service availability tools, drive tests, Google Maps searches, NC DIT mapping tool, plant record information submitted by Pender County broadband providers and public information. Information as of July 2021.*

Figure 4 – CenturyLink Coverage



**Maps formed based on FCC 477 fixed broadband map, a check of Pender County broadband provider website service availability tools, drive tests, Google Maps searches, NC DIT mapping tool, plant record information submitted by Pender County broadband providers and public information. Information as of July 2021.*

Figure 5 – Spectrum Coverage



**Maps formed based on FCC 477 fixed broadband map, a check of Pender County broadband provider website service availability tools, drive tests, Google Maps searches, NC DIT mapping tool, plant record information submitted by Pender County broadband providers and public information. Information as of July 2021.*

Figure 6 - Demographic and Broadband Data Comparisons between NC and Pender County

	North Carolina	Pender	Population
Population	**10,488,054**	**.60**	63,153
% With Broadband Access > 25 mbps/3 mbps	95.24	78.22	49,385
% With A Broadband Subscription	80.7	79.2	50,017
% Not Subscribing To Broadband	19.3	20.8	13,136
% Households Without Computers	10.9	9.9	6,288
% Unemployment (Dec. 20)	6.2	5.6	3,537
% Poverty	13.4	11.5	7,263
Age ≥65	16.7	18.6	11,746
< High School Education	12.1	12.1	7,642
% African Americans	22.2	14.7	9,336
% Hispanics	10.8	7.5	4,763
Source: US Census Bureau and NCDIT			

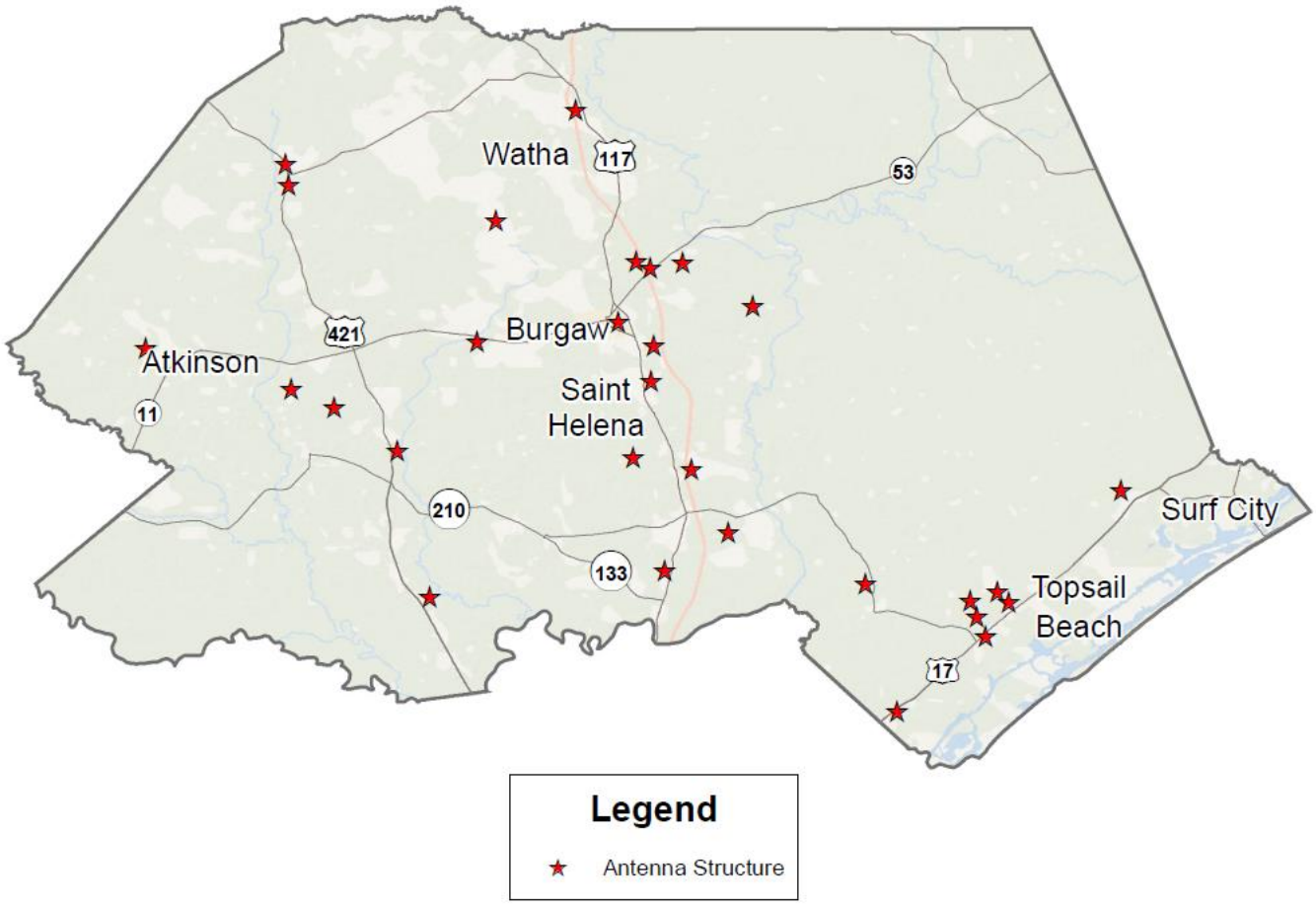
Figure 7 – Mobile Internet / Cell Providers

With inadequate broadband coverage in several areas of the county, many residents rely on mobile/cell phone access to connect to the internet. More data is needed to understand how widespread the use of smart phones is and the availability of cell service and its efficiency. Cellular dead zones prevent many from connecting and well. During the 20-21 school year when Pender County Schools loaned out cellular hotspots, several were returned due to inadequate coverage in parts of the county. Although cellular hotspots can serve as a viable inclusion tool, loaning a hotspot does not guarantee connectivity or sufficient bandwidth for modern, instructional tools.

Mobile Internet/Cell Providers	
Provider	**Max Advertised Speed**
AT&T	LTE
T-Mobile	LTE
Verizon	LTE

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Figure 8 – Cell Tower Locations



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Figure 9 - Public Wi-Fi Access Points

City	Location
Atkinson	Atkinson Municipal Library, 300 W Henry St.
Burgaw	Pender Public Library, 103 S. Cowan St
Hampstead	Hampstead Library, 75 Library Dr.
Marshall	French Broad Electric Membership, 3043 Highway 213
Marshall	Laurel Community Center, 4100 Highway 212

Discount/Low-Cost Offer Lending Programs and Wi-Fi Mobile Hotspot Lending Programs
Discounts for fixed broadband are available through all the area's internet service providers. AT&T offers a program called Access (www.att.com/internet/access/) that provides low-income families with a discounted price on their internet service. ATMC will offer a Lifeline Match program (www.atmc.com/lifelinematch) that provides a match of up to $9.25 in addition to the national Lifeline discount for qualifying families. CenturyLink also participates in the Lifeline program (www.lifelinesupport.org/) for customers that meet the qualifications. Spectrum offers their Spectrum Internet Assist program (www.spectrum.com/internet/spectrum-internet-assist) which also provides a discount to qualifying low-income families.

There are no mobile lending programs available currently in the county. However, Pender County Schools provided Wi-Fi hotspots in designated school parking lots at all of their campuses (with Four County EMC and ATMC providing equipment at 4 locations) to help students connect their devices during the COVID-19 pandemic. In addition, through a state grant program, the school district was able to provide 950 mobile hotspots to families without access to high-speed Internet in order to access key instructional materials while stay-at-home requirements were in place.

Digital Literacy/Skills Opportunities
The organizations listed below offer programs for digital and computer literacy for both school-aged children and adults. More information about programs, times and dates can be found at the web addresses listed below.

- GCF LearnFree.org (Free Computer Training)
- Pender County Library Online Computer Tools

Individual Support
In addition to digital literacy training, new adopters often require assistance in setting up and using their devices. Pender County is in the process of identifying those in the community that could serve as digital navigators. Digital navigators are individuals who provide the information, skills and resources needed to bring non-adopters up to speed on digital inclusion. For example, a digital navigator would be someone who understands the issues and needs of seniors to help them access the most relevant and compelling applications, while navigators working with immigrant families would need to be able to communicate with them and guide them to language-

appropriate digital literacy and online assistance resources. In addition to digital literacy training, new adopters often require assistance in setting up and using their devices. This sort of assistance is not readily available or has not been identified in Pender County at this time.

Public Computer Access Points

Public service agencies including the ones listed below often have computers available for use by their clients and visitors. Although not included in this list, there are also several retail locations that provide Wi-Fi as a service to their customers.

Pender Public Library
103 S. Cowan Street
Burgaw, NC 28425
PHONE: 910-259-1234
Hours: Mon / Wed / Fri 10-6
Tues / Thurs 10-7
Sat 10-2

Hampstead Branch Library
75 Library Drive
Hampstead, NC 28443
PHONE: 910-270-4603
Hours: Mon / Wed / Fri 10-6
Tues / Thurs 10-7; Sat 10-2

Atkinson Public Library
200 N. Town Hall Ave.
Atkinson, NC 28421
PHONE: 910-283-7341
Hours: Mon / Thurs / Fri 1-5
Tues / Wed 9-1

Computers/Devices

According to US Census data, 10% of Pender County households do not have a computer in the home. However, during the onset of the COVID-19 pandemic, all children enrolled in Pender County Schools were able to get access to a school-owned computer to participate in virtual classes from home. There are state and national programs that Pender County can help better promote that offer refurbished devices at reduced costs. One of these programs is PCsforPeople (www.pcsforpeople.org). Kramden Institute (www.kramden.org) in Durham also offers refurbished computers and partners with local non-profits to get devices in homes where they are needed.

B. Needs Inventory

As shown on the maps provided in the asset inventory section, there are areas of need in sections of the county that currently do not have access to high-speed internet and do not have grant funding or future plans for broadband expansion. These areas are primarily located in rural areas through the middle of the county, east and west of Interstate 40 and inland north of Highway 17 near the Holly Shelter Gameland. Pender County also conducted research by performing speed checks on all area providers using county address data and found that the NC DIT office also provides an index on broadband availability and quality. However, data collected by the county suggests that much of the NC DIT's information is overstated in terms of availability.

There is a need for an expanded centralized list of public Wi-Fi locations and public computer access points that can be provided to Pender County citizens by local government. The broadband committee can work toward expanding current information to include other entities that provide either access to free Wi-Fi or access to computers by listing churches, restaurants, parks, and community centers that also offer these resources.

C. Partner Identification

At a minimum, the digital inclusion planning efforts from this point forward should involve leaders from the following Pender County sectors:

- Utility Cooperatives – Four County EMC, ATMC
- Social Services
- Libraries
- Senior Centers
- Local/Municipal Governments
- Business Community
- K-12 Schools
- Local Internet Service Providers – AT&T, Spectrum, CenturyLink, ATMC
- Healthcare Institutions
- Cooperative Extension
- Non-profit Organizations
- Chambers of Commerce – Burgaw Chamber of Commerce, Greater Topsail Area Chamber of Commerce

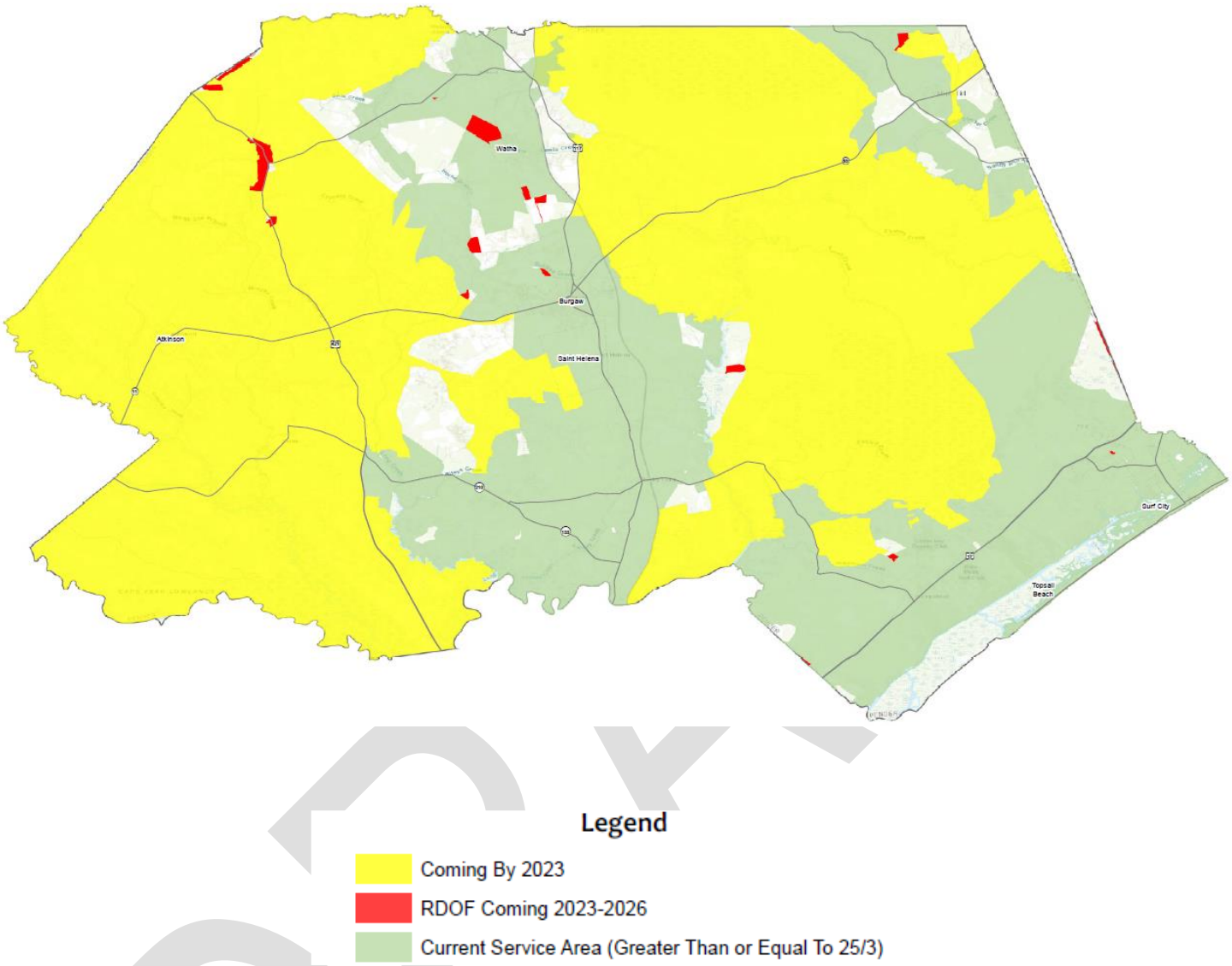
D. Gap Assessment

As mentioned in the Needs Assessment section, there are rural areas which run east and west along Interstate 40 and inland north of Highway 17 that are unserved or underserved and are not included in future grant plans for coverage. Through additional survey information from residents and businesses in this area as well as speed checks from area providers, information can be gathered to verify that these areas are in fact unserved/underserved. These are the areas that need to be targeted for future provider expansion through grant opportunities or county funding. These areas are further identified in Figure 10.

From the information gathered, it is noted that access is more of a geographical problem in Pender County than a demographical issue. However, there are pockets of the population that face additional barriers to digital literacy and affordability, even if the service is offered in their neighborhood. These include language barriers, resource barriers, age barriers and more. These barriers should be considered when planning for digital literacy and adoption programs in the future.

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Figure 10 – Pender County Overall Map



Gaps Being Filled

Research and input from many community representatives that contributed to this planning effort pointed out the need for short and long-term actions to address digital challenges in Pender County. Several resources and tools for addressing the digital literacy challenge were considered and listed below. Each of these tools represents a gap that is already identified and being addressed in some manner. There are still many more tools and resources that could be implemented to further enhance digital literacy in the county.

Figure 11 – Tools Used to Enhance Digital Inclusion

Tools Being Used to Enhance Digital Inclusion in Pender County	
Digital Inclusion Tool	**Status/Stakeholder**
Demand aggregation studies/surveys	Ad hoc, not countywide
Subsidies for access	Underutilized, application assistance not centralized, limited availability depending upon provider
Public access centers	Libraries, Schools, random public buildings
Public Wi-Fi	Libraries, Schools, Social Services, Parking lots for some community anchor institutions, e.g., fire stations, some private businesses such as restaurants.
Hot Spot Lending	Schools, Libraries
Guided use of applications such as telemedicine and job searches	Social Services, NCWorks, Libraries
Technical Assistance	NCWorks, Libraries, School System
Digital Literacy Instruction	Senior Centers
Refurbished/Discounted Devices	Some state and federal programs the county could benefit from
Expansion of Broadband	ISP's building fiber into more areas

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IV. Implementation: Achieving a Collective Digital Inclusion Vision in Pender County

A. Strategies for Digital Inclusion

Digital inclusion is a critical piece for community and business growth in Pender County. Through putting together this plan and gathering information via the survey and resources provided, the committee recognizes the gaps for the three areas of digital inclusion – Availability, Access and Adoption. Availability and access to high-speed internet are necessary for schools to provide adequate education, for students to be able to research and turn in homework assignments, for healthcare facilities to utilize telehealth and telemedicine, for small businesses to participate in e-commerce, and for local government to be able to best serve their constituents. For all these reasons and more, Pender County has the opportunity to implement many of the necessary steps to improve digital inclusion which will make the county a more desirable place to live, visit, or do business in.

Leadership

The committee listed below with the oversight of county management will lead the initiatives in this plan.

Member	Organizational Affiliation
Chad McEwen	County Manager - Pender County
Doug Shipley	Assistant County Manager – Pender County
Erik Harvey	ITS Director - Pender County
Tammy Proctor	Tourism Director/Public Information – Pender County
Allen Phillips-Bell	Library Director – Pender County
Kyle Breuer	Town Manager - Surf City
Sandy Harris	Executive Director - Pender County Christian Services
Karen Burton	Executive Director - Greater Topsail Area Chamber of Commerce
Ruth Glaser	President/COO - Pender Memorial Hospital, Novant Health Coastal Market
Connie Carr-Costin	Executive Director - Smart Start of Pender County
Steve Smith	Mayor - Town of Topsail Beach
Dr. Steven Hill	Superintendent - Pender County Public Schools
Dr. Todd Blumenreich	Chief Officer of Organizational Development - Pender County Public Schools
Charles Allen	Technology Services Director - Pender County Public Schools
Mark Seitz	Cooperative Extension Services

Through research mentioned in this Digital Inclusion Plan and surveying county residents, the committee will be able to identify the areas in the county that are most at need for high-speed internet. This information will allow the committee to identify areas that qualify for state and federal broadband grants.

Once areas of need are identified, the county can work with the committee and internet service providers to find opportunities for broadband funding and expansion. These can be combined efforts with the goal of bringing high-speed internet to the maximum number of residents and businesses in the county.

Sustainability and a Holistic Response

For the Pender County digital inclusion plan to be sustainable, the committee will need to stay organized and compliant with the timeline. The county will need to make broadband expansion and equity a priority that aligns with current county and economic goals.

In addition, the committee will need to continue to consider and support digital inclusion opportunities that can bring more resources to the area. This includes researching and applying for grant funding through local, state and federal funding programs that help provide both large scale and smaller scale solutions to the issues

identified. Digital inclusion in Pender County can be sustained by creating more awareness of the positive impacts that collaborative and strategic investments can have.

Prioritization

The first priority of the digital inclusion plan is to find ways to bring high-speed internet to areas of Pender County that are still unserved or underserved. Once this has been accomplished, the committee can focus their efforts on broadband adoption and digital literacy. This can be done by creating partnerships with Pender County Schools, Pender County Libraries, and local non-profits to better promote what programs for digital literacy are currently being offered and how the committee can better promote the programs in place. In addition, as previously mentioned, the committee can help identify resources such as grants that bring more opportunities for digital literacy programs, devices, or hotspots that can benefit residents.

Necessary Resources

Once more rural areas have access to broadband, the committee can consider expanding digital literacy programs to community centers, local churches and schools. The committee will seek to apply for grants that would provide public use computers and devices in areas that may be more rural and further from resources provided in the incorporated towns in Pender County.

B. Timeline

Short-Term Goals

a. By end of July 2021, establish a broadband committee to help carryout broadband needs identification within the county.
b. By end of July 2021, using FCC 477 data and existing service provider data to determine areas within the county that do not meet minimum 25/3 federal broadband standards. Include areas as served is broadband funding is committed to those areas to be built at a speed faster than 25/3 before December 31, 2024.
c. By the end of August 2021, obtain broadband survey results from available sources to help identify broadband gaps within the county.
d. By November 30th, 2021, report survey findings to NC DIT office.

Near-Term Goals

1. Begin plans for digital literacy programs with county stakeholders, i.e., library system, school system, senior resource centers, and non-profits.
2. Promote county broadband survey through public information outlets, i.e., local radio stations, TV spots, community meetings and events, public bulletin boards, etc.

Long-Term Goals

1. Connect over 95% of Pender County homes to broadband speeds which deliver 100 Mbps download and at least 10 Mbps upload speeds by December 31st, 2024.
2. Establish programs that provide low-income families with affordable options for connectivity, i.e., the Lifeline Match program.

V. Executive Summary & Final Recommendations

Pender County, recognizing that affordable, high-speed internet is vital to the county's growth and wellbeing of their citizens, has made digital inclusion a priority by creating a broadband committee and collaborating to create this Digital Inclusion Plan.

Recent survey research of county citizens found that while many Pender County residents now have access to high-speed internet at their homes and businesses there are still pockets of unserved and underserved in the rural parts of the county.

In order to move forward and provide Pender County with better availability, access and adoption, additional information is required to develop a clearer picture of where broadband infrastructure is needed and where existing infrastructure needs to be enhanced or replaced. While efforts to address digital inequalities exist, they tend to be limited and mostly operate as stand-online initiatives which is why a holistic approach, and this inclusion plan is important for addressing current issues. There is also a need to develop a more comprehensive understanding of the nature and scale of digital literacy programming that helps address gaps for non-adapters. Finally, there is a need to continue to recruit more leaders throughout the county who will help move these goals forward for the betterment of Pender County.

Listed below are specific tasks and recommendations that can help the county move the needle toward digital inclusion in the context of Availability, Access and Adoption:

Availability

1. Pender County should create and maintain/update a map showing locations in the county where broadband is unavailable. This data is necessary in recruiting Internet Service Providers (ISPs) to pursue grants and serve these areas.
2. Pender County should utilize federal American Rescue Plan funds in a way that will allow the county to maximize its investment in broadband infrastructure by taking advantage of state and federal grant programs which target expansion of broadband in unserved areas through programs which require a matching contribution.
3. Create and maintain a map that shows where public Wi-Fi spots are throughout the county.

Access

1. Public Wi-Fi access locations should be expanded in the County, and existing sites should be enhanced.
2. County stakeholders should work to increase access to devices through innovative partnerships and computer refurbishment programs.
3. County agencies and other organizations should expand awareness of, and assist clients with access to, programs offering subscription subsidies and reduced cost devices to qualifying low-income families and seniors. For example, Lifeline, AT&T Assist and Spectrum's low-income discount, etc.

Adoption

1. Pender County, in partnership with the Pender County Adult Services, should expand digital literacy training for senior citizens.
2. The Pender County Broadband Committee should coordinate efforts to enhance and expand digital literacy instruction for County citizens.
3. The Pender County Broadband Committee, in collaboration with NC Works, should prioritize workforce development training and skills development to create information technology programs that meet the growing demand for those workforce skills and to provide more citizens with basic digital skills.
4. Smart Start of Pender County will develop a digital literacy program for early childhood educators/childcare providers and the families of children birth to five to help ensure access to child

DRAFT

development and early learning resources/information important to promoting an environment favorable to producing positive outcomes for young children.

5. In the coming school year, Pender County Schools should form a study to determine gaps in digital access from students in the public schools and take actions to help close the "homework gap" among families with varying levels of broadband adoption.
6. Encourage local broadband providers to provide a 50 Mbps sub- $25 broadband option with eligibility verified through the FCC's Lifeline Broadband Discount Program to address affordability concerns for low-income households.

Leadership, Sustainability and Community Building

1. The Pender County Broadband Committee should sustain its digital inclusion leadership role by helping to coordinate countywide broadband activities in the future.
2. Partners in digital inclusion efforts should publicize and share their efforts and success stories to enhance public awareness of the needs for, and benefits of, digital inclusion.
3. The County should have a centralized place on their website as well as contact information for access to digital resources in the County.

Each of these recommendations, if implemented, will help improve digital inclusion in Pender County. Many of these recommendations require minimal investment and are simple partnerships that can help make a significant difference. Some are more expensive or time-consuming but can bring long-term value to Pender County. With strong leadership and a community commitment to this initiative, these recommendations can be implemented in Pender County. If implemented, Pender County will be able to improve their economy and quality of life for many residents.

DRAFT

References:

Access NC - https://accessnc.nccommerce.com/

AT&T Access - www.att.com/internet/access/

AT&T www.att.com

ATMC Lifeline - www.atmc.com/lifelinematch

ATMC – www.atmc.com

CenturyLink- www.centurylink.com

ESRI - https://www.esri.com/en-us/home

Four County Electric Membership Corporation - https://www.fourcty.org/

GCF Computer Training - https://edu.gcfglobal.org/en/

Kramden Institute - www.kramden.org

Lifeline Support - www.lifelinesupport.org/

NC DIT – www.it.nc.gov

NC Office State Budget - https://www.osbm.nc.gov/

PCS for People - www.pcsforpeople.org

Pender Adult Services - http://www.penderpas.com/programs.html

Pender County - https://www.pendercountync.gov/

Pender County Library - https://penderpubliclibrary.org/home

Pender County Schools – www.pendercountyschools.net

Spectrum Assist - www.spectrum.com/internet/spectrum-internet-assist

Spectrum - www.spectrum.com

US Census - https://www.census.gov/quickfacts/fact/table/pendercountynorthcarolina,US/PST045219

Wilmington Business Development – https://wilmingtonbusinessdevelopment.com/

World Population Review - https://worldpopulationreview.com/

DRAFT

Pender County
Request for Board Action

TO:	Board of County Commissioners
FROM:	Anthony Colon
DATE:	November 15, 2021
SUBJECT:	Approval of a Purchase Order to Capital Ford of Wilmington for $87,262.62 for the purchase of one 2022 Ford F150 truck with extended cab, one 2022 Ford Explorer, and one 2022 Ford Escape.

SUMMARY:
We are requesting the approval of a requisition for $87,262.62 to Capital Ford of Wilmington. The requested funds will be used for the purchase of one 2022 Ford F150 truck with extended cab for the new Solid Waste position added to the budget, one 2022 Ford Explorer for the new Utilities Inspector, and one 2022 Ford Escape for the new project manager. These vehicles are to be put on order as soon as a Purchase Order Number is obtained from the Finance Department, and are expected to be received by no later than May 2022.

We contacted four vendors of which only three of the vendors responded with the requested quotes. One vendor chose not to participate at this time (please see attached information). Quotes were received from Fairway Ford of Burgaw, Capital Ford of Wilmington, and Bill Carone Ford of Wallace. The best pricing was provided by Capital Ford of Wilmington, so we are requesting a Purchase Order with them to finalized the order. The FY22 budget includes sufficient funds earmarked for the purchase of these vehicles. $31,434.64 on account #75-407403 and $55,827.98 on account #072-407403, which will cover the amount requested.

ACTION REQUESTED:
Approval of a Purchase Order to Capital Ford of Wilmington for $87,262.62 for the purchase of one 2022 Ford F150 truck with extended cab, one 2022 Ford Explorer, and one 2022 Ford Escape.

ATTACHMENTS:
Quotes from three vendors for the purchase of vehicles.

	Bill Carone Ford GMC	Fairway Ford	Capital Ford Wilmington	Westgate Dodge Burgaw
F150 EXTENDED CAB 4X4	$ 31,882.00	$ 31,764.85	$ 31,434.64	Chose not to participate
Ford Escape awd	$ 27,634.00	$ 27,683.30	$ 24,773.60	Chose not to participate
Ford Explorer awd	$ 31,325.00	$ 32,009.30	$ 31,054.38	Chose not to participate

CNGP530 VEHICLE ORDER CONFIRMATION 10/18/21 18:16:59
==> Dealer: F21651
2022 F-150 Page: 1 of 1
Order No: 9999 Priority: B4 Ord FIN: QB444 Order Type: 5B Price Level: 215
Ord PEP: 100A Cust/Flt Name: PENDER PO Number:

		RETAIL			RETAIL
X1E	F150 4X4 S/C	$37155	50S	CRUISE CONTROL	$225
	145" WHEELBASE		53B	CLASS IV HITCH	205
YZ	OXFORD WHITE		794	PRICE CONCESSN	
A	VINYL 40/20/40	NC		REMARKS TRAILER	
S	MED DARK SLATE		94S	LED WARNING AMB	600
100A	EQUIP GRP			FLEX FUEL	
	.XL SERIES			SP DLR ACCT ADJ	
	.17"SILVER STEEL			SP FLT ACCT CR	
995	5.0L V8 FFV ENG	1995		FUEL CHARGE	
44G	ELEC 10-SPDAUTO		B4A	NET INV FLT OPT	NC
	.265/70R-17			DEST AND DELIV	1695
XL3	3.31 ELEC LOCK	420	TOTAL	BASE AND OPTIONS	42295
	7050# GVWR		TOTAL		42295
	FLEET SPCL ADJ	NC	*THIS IS NOT AN INVOICE*		
425	50 STATE EMISS	NC	*TOTAL PRICE EXCLUDES COMP PR		

F1=Help F2=Return to Order F3/F12=Veh Ord Menu
F4=Submit F5=Add to Library F9=View Trailers
S099 - PRESS F4 TO SUBMIT QC07932

42295.00 MSRP
3974.00 Discount dealer
38321.00
1168.00 - 3% DMV Tax
599.00 - Doc fee
95.00 - Title, TAG fee
40183.00
-9400.00 - Ford discount
30783.00
+1099.00 Acari mount with wheelen 23" light Bar
31882.00

Bill Carone
CHEVROLET • GMC • BUICK • FORD
Carlton Lanier
Sales Consultant
5099 US 117 N
Wallace, NC 28466
Phone (910) 285-7151
Cell (910) 290-0126
Carlton@BillCaroneCars.com

FAIRWAY FORD, INC.
444 US HWY 117 S
BURGAW, NC 28425
910-259-2371

October 14, 2021

To: Mr. James Proctor, Water and Sewer Superintendent, County of Pender

From: Hugh Highsmith, III

Re: Quote to order new 2022 Ford F150 full four door pickup truck and new 2022 Ford F150 extended cab pickup truck

Mr. Proctor,

Thank you for the opportunity to quote the vehicle that Pender County Utilities and Pender Solid Waste is considering. Please find below specifications and pricing for a new 2022 Ford F150 full four door 4x4 pickup truck and a new 2022 Ford F150 extended cab 4x4 pickup truck.

Pricing is based on ordering units from Ford Motor Company.

Pricing reflects the current North Carolina State Contract Price Concession amounts negotiated by the State of North Carolina with Ford Motor Company for these vehicle lines.

Vehicle #2: New 2022 Ford F150 Extended Cab 4x4 Pickup Truck:
2022 Ford F150 pickup truck
Extended cab with 1 and ½ doors per side
6 ½ pickup bed
4 wheel drive
Base trim level
5.0L V8 gasoline engine
Automatic overdrive transmission with 10 forward gears
Power windows/door locks/mirrors
Cruise control
Tilt/telescoping steering column
Air conditioning
Standard wheels
2" trailer hitch receiver
Front and rear strobe lights
Acari light bar
Exterior color: White

Selling Price Per Unit Ordered: $30,720.00
Titling tax: + 921.60

Tag/title/registration:	**+ 123.25**
Total:	**$31,764.85**

Please feel free to call or email me with any questions regarding this quote.

Respectfully Submitted,

Hugh B Highsmith, III

Capital Ford, Inc.

Government Sales Division

From Jennifer Romano Gov't Sales
Phone/Fax Office 919-790-4648 Fax 919-871-6917
E-Mail jromano@capitalford.com

DATE October 26th 2021
Pender County

FINAL QUOTE NCSA 22-08-0913 Item #196

2022 F150 Super Cab 4x4 145" Wheelbase (X1E)	$26,165.34
Painted White /Delivered	included
85A Power Equiptment Group	$1,099.80
50S Cruise Control	$211.50
995 5.0L V-8 Engine	$1,875.30
53B Trailer Hitch	$192.70
Acarl Light Bar	$1,095.00
Four Corner Strobes	$795.00

20-24 weeks order to delivery time

Total Per Unit $31,434.64

Remit to
jromano@capitalford.com
Capital ford of Raleigh
4900 Capital Blvd
Raleigh NC 27616

CNGP530 VEHICLE ORDER CONFIRMATION 10/18/21 18:20:40
==> Dealer: F21651
2022 ESCAPE Page: 1 of 1

Order No: 9999 Priority: A4 Ord FIN: QB444 Order Type: 5B Price Level: 220
Ord PEP: 200A Cust/Flt Name: PENDER PO Number:

		RETAIL			RETAIL
U9G	SE AWD	$28535		SP DLR ACCT ADJ	
	.106.7" WB			SP FLT ACCT CR	
YZ	OXFORD WHITE			FUEL CHARGE	
4	UNIQUE CLTH STS		B4A	NET INV FLT OPT	NC
H	EBONY			DEST AND DELIV	1245
200A	EQUIP GRP		TOTAL	BASE AND OPTIONS	30050
996	.1.5L ECO ENGINE	NC	TOTAL		30050
448	.8-SPD AUTOTRANS	NC	*THIS IS NOT AN INVOICE*		
	225/65R17 TIRES		*TOTAL PRICE EXCLUDES COMP PR		
	FLEET SPCL ADJ	NC			
50C	FLR LNR W/O MTS	160			
51Q	MINI SP TR/WHL	110			
	17" ALUM WHEEL				
794	PRICE CONCESSN				
	REMARKS TRAILER				

F1=Help F2=Return to Order F3/F12=Veh Ord Menu
F4=Submit F5=Add to Library F9=View Trailers
S099 - PRESS F4 TO SUBMIT QC07932

30050.00 MSRP
2261.00 Discount dealer
27789.00
852.00 3% DMV Tax
599.00 Doc fee
95.00 Title, Tag fee
29335.00
2800.00 For2 discount
26535.00
+ 1099.00 Acori mount w/ wheelew 23" Light Bar
27634.00

Bill Carone
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Carlton Lanier
Sales Consultant
5099 US 117 N
Wallace, NC 28466
Phone (910) 285-7151
Cell (910) 290-0126
Carlton@BillCaroneCars.com

FAIRWAY FORD, INC.
444 US HWY 117 S
BURGAW, NC 28425
910-259-2371

August 22, 2021

To: Mr. James Proctor, Water and Sewer Superintendent, County of Pender

From: Hugh Highsmith, III

Re: Quote to order new 2022 Ford Explorer SUV

Mr. Proctor,

Thank you for the opportunity to quote the vehicle that Pender County Utilities and Pender Solid Waste is considering. Please find below specifications and pricing for a new 2022 Ford Explorer SUV and a new 2022 Ford Escape 4x4.

Pricing is based on ordering units from Ford Motor Company.

Pricing reflects the current North Carolina State Contract Price Concession amounts negotiated by the State of North Carolina with Ford Motor Company for these vehicle lines.

Vehicle #2: New 2022 Ford Escape 4x4 SUV:
2022 Ford Escape 4 door 4x4 SUV
SE trim level
1.5L EcoBoost gasoline engine
Automatic overdrive transmission with 8 forward gears
Power windows/door locks/mirrors
Remote keyless entry keys (2 included in quote)
Power driver's seat
Cruise control
Tilt/telescoping steering column
Front and rear air conditioning
Privacy glass second row seating and cargo area
Rear window defroster
Silver painted aluminum wheels
Floor carpeting
Front row and second row rubber floor liners
Temporary spare tire
Cloth seating surfaces all three rows
Front and rear strobe lights
23" mini LED light bar
Exterior color: White

Interior color: Medium Gray

Selling Price Per Unit Ordered:	**$26,785.00**
Tax:	**+ 803.55**
Tag/title/registration:	**+ 94.75**
Total:	**$27,683.30**

Please feel free to call or email me with any questions regarding this quote.

Respectfully Submitted,

Hugh B Highsmith, III

Capital Ford, Inc.

Government Sales Division

From Jennifer Romano Gov't Sales
Phone #,s Office 919-790-4648 Fax 919-871-6917
E-Mail jromano@capitalford.com

October 28th 2021
Pender County

2022 Escape SE 4WD (U9G)	$	24,519.80
Painted White/ Charcoal Cloth Interior/ Delivered		Included
1.5L Ecoboost Engine		Included
6 Spd Auto Transmission		Included
51Q Mini Spare	$	103.40
50C Floor Liners	$	150.40

TOTAL PRICE	$	24,773.60

Remit to
jromano@capitalford.com
Capital ford of Raleigh
4900 Capital Blvd
Raleigh NC 27616

CNGP530 VEHICLE ORDER CONFIRMATION 10/18/21 18:22:19
==> Dealer: F21651
2022 EXPLORER 4-DOOR Page: 1 of 1
Order No: 9999 Priority: A3 Ord FIN: QB444 Order Type: 5B Price Level: 220
Ord PEP: 100A Cust/Flt Name: PENDER PO Number:

		RETAIL			RETAIL
K8B	4DR 4WD BASE	$35100		SP DLR ACCT ADJ	
	.119" WHEELBASE			SP FLT ACCT CR	
YZ	OXFORD WHITE			FUEL CHARGE	
7	CLOTH SEATS		B4A	NET INV FLT OPT	NC
N	SANDSTONE			DEST AND DELIV	1245
100A	EQUIP GRP		TOTAL	BASE AND OPTIONS	36505
	.18" PNTD ALUM		TOTAL		36505
99H	.2.3L ECOBOOST	NC	*THIS IS NOT AN INVOICE*		
44T	.10SPD AUTO TRAN	NC	*TOTAL PRICE EXCLUDES COMP PR		
	P255/65R18 A/S				
	FLEET SPCL ADJ	NC			
16A	FLR LINERS	160			
425	50 STATE EMISS	NC			
794	PRICE CONCESSN				
	REMARKS TRAILER				

F1=Help F2=Return to Order F3/F12=Veh Ord Menu
F4=Submit F5=Add to Library F9=View Trailers
S099 - PRESS F4 TO SUBMIT QC07932

36505.00 = MSRP
-2705. = Discount dealer
33800.00
1032. = 3% DMV TAX
599.00 = Doc fee
95.00 = Title, Tag fee
35526.00
-5300. = Ford discount
30226. =
+1099. = Acari mount w/ wheels 23" Lighter Bar
31325.00

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FAIRWAY FORD, INC.
444 US HWY 117 S
BURGAW, NC 28425
910-259-2371

August 22, 2021

To: Mr. James Proctor, Water and Sewer Superintendent, County of Pender

From: Hugh Highsmith, III

Re: Quote to order new 2022 Ford Explorer SUV

Mr. Proctor,

Thank you for the opportunity to quote the vehicle that Pender County Utilities and Pender Solid Waste is considering. Please find below specifications and pricing for a new 2022 Ford Explorer SUV and a new 2022 Ford Escape 4x4.

Pricing is based on ordering units from Ford Motor Company.

Pricing reflects the current North Carolina State Contract Price Concession amounts negotiated by the State of North Carolina with Ford Motor Company for these vehicle lines.

Vehicle #1: New 2022 Ford Explorer 4x4 SUV:
2022 Ford Explorer 4 door 4x4 SUV
Base trim level
3.3L V6 gasoline engine
Automatic overdrive transmission with 10 forward gears
Power windows/door locks/mirrors
Remote keyless entry keys (2 included in quote)
Power driver's seat
Cruise control
Tilt/telescoping steering column
Front and rear air conditioning
Privacy glass second row seating and cargo area
Rear window defroster
Third row seating (flat fold for additional storage)
Silver painted aluminum wheels
Floor carpeting
Front row and second row rubber floor liners
Cloth seating surfaces all three rows
Front and rear strobe lights
23" mini LED light bar
Exterior color: White

Cont'd

Selling Price Per Unit Ordered:	**$30,985.00**
Tax:	**+ 929.55**
Tag/title/registration:	**+ 94.75**
Total:	**$32,009.30**

Capital Ford, Inc.

Government Sales Division

From Jennifer Romano Gov't Sales
Phone/Fax Office 919-790-4648 Fax 919-871-6917
E-Mail jromano@capitalford.com

DATE October 28th 2021
Pender County

FINAL QUOTE

2022 Explorer Base 4WD 2.3L Ecoboost Engine	$29,264.38
Painted White /Sand Stone Cloth seating/Sync/ delivered	included
99B 3.3L V-6 Engine	N/C
4 Corner Strobes	$895.00
23" Mini Light Bar	$895.00

Total Price $31,054.38

Remit to
jromano@capitalford.com
Capital ford of Raleigh
4900 Capital Blvd
Raleigh NC 27616

Pender County
Request for Board Action

TO:	Board of County Commissioners
FROM:	Anthony Colon
DATE:	November 15, 2021
SUBJECT:	Approval of a Purchase Order to Fairway Ford of Burgaw for $33,629.15 for the purchase of one 2022 Ford F150 Crew Cab truck.

SUMMARY:
We are requesting the approval of a requisition for $33,629.15 to Fairway Ford of Burgaw. The requested funds will be used for the purchase of one 2022 Ford F150 Crew Cab Truck. This vehicle is to take the place of a 2013 Ford F150 truck with 190,000 miles. Pender County Fleet Maintenance Staff have inspected the vehicle and agreed with the replacement. This vehicle is to be put on order as soon as a Purchase Order Number is obtained from the Finance Department, and is expected to be received by no later than May 2022.

We contacted four vendors of which only three of the vendors responded with the requested quotes. One vendor chose not to participate at this time (please see attachments). Quotes were received from Fairway Ford of Burgaw, Capital Ford of Wilmington, and Bill Carone Ford of Wallace. The best pricing was provided by Fairway Ford of Burgaw, so we are requesting a Purchase Order with them to finalized the order. The FY22 budget includes sufficient funds earmarked for the purchase of this vehicle in account #072-407403, which will cover the amount requested.

ACTION REQUESTED:
Approval of a Purchase Order to Fairway Ford of Burgaw for $33,629.15 for the purchase of one 2022 Ford F150 Crew Cab truck.

ATTACHMENTS:
Quotes from three vendors for one 2022 Ford F150 Crew Cab truck.

	Bill Carone Ford GMC	Fairway Ford	Capital Ford Wilmington	Westgate Dodge Burgaw
F150 CREW CAB 4X4	$ 34,957.00	$ 33,629.15	$ 34,058.64	Chose not to participate

CNGP530 VEHICLE ORDER CONFIRMATION 10/18/21 18:19:16
==> Dealer: F21651
2022 F-150 Page: 1 of 1
Order No: 9999 Priority: B4 Ord FIN: QB444 Order Type: 5B Price Level: 215
Ord PEP: 100A Cust/Flt Name: PENDER PO Number:

		RETAIL			RETAIL
W1E	F150 4X4 CREW	$40860	50S	CRUISE CONTROL	$225
	145" WHEELBASE		53B	CLASS IV HITCH	205
YZ	OXFORD WHITE		794	PRICE CONCESSN	
A	VINYL 40/20/40	NC		REMARKS TRAILER	
S	MED DARK SLATE		94S	LED WARNING AMB	600
100A	EQUIP GRP			FLEX FUEL	
	.XL SERIES			SP DLR ACCT ADJ	
	.17"SILVER STEEL			SP FLT ACCT CR	
995	5.0L V8 FFV ENG	1995		FUEL CHARGE	
44G	ELEC 10-SPDAUTO		B4A	NET INV FLT OPT	NC
	.265/70R-17			DEST AND DELIV	1695
XL3	3.31 ELEC LOCK	420	TOTAL	BASE AND OPTIONS	46000
	7050# GVWR		TOTAL		46000
	FLEET SPCL ADJ	NC	*THIS IS NOT AN INVOICE*		
425	50 STATE EMISS	NC	*TOTAL PRICE EXCLUDES COMP PR		

F1=Help F2=Return to Order F3/F12=Veh Ord Menu
F4=Submit F5=Add to Library F9=View Trailers
S099 - PRESS F4 TO SUBMIT QC07932

46000.00 = MSRP
4373.00 Discount dealer
41627.00
1267.00 = 3% DMV Tax
599.00 - Doc fee
95.00 - Title, Tag fee
43588.00
9730.00 = Ford discount
33858.00
+ 1099.00 - Acarimount with Whelen 23" Light Bar
34957.00

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FAIRWAY FORD, INC.
444 US HWY 117 S
BURGAW, NC 28425
910-259-2371

October 14, 2021

To: Mr. James Proctor, Water and Sewer Superintendent, County of Pender

From: Hugh Highsmith, III

Re: Quote to order new 2022 Ford F150 full four door pickup truck and new 2022 Ford F150 extended cab pickup truck

Mr. Proctor,

Thank you for the opportunity to quote the vehicle that Pender County Utilities and Pender Solid Waste is considering. Please find below specifications and pricing for a new 2022 Ford F150 full four door 4x4 pickup truck and a new 2022 Ford F150 extended cab 4x4 pickup truck.

Pricing is based on ordering units from Ford Motor Company.

Pricing reflects the current North Carolina State Contract Price Concession amounts negotiated by the State of North Carolina with Ford Motor Company for these vehicle lines.

Vehicle #1: New 2022 Ford F150 Full Four Door 4x4 Pickup Truck:

2022 Ford F150 pickup truck
Full four door cab
5 ½ foot pickup bed
4 Wheel drive
Base trim level
5.0L V8 gasoline engine
Automatic overdrive transmission with 10 forward gears
Power windows/door locks/mirrors
Cruise control
Tilt/telescoping steering column
Air conditioning
Standard wheels
2" trailer hitch receiver
Front and rear strobe lights
Acari light bar
Exterior color: White

Cont'd

Selling Price Per Unit Ordered:	**$32,530.00**
Titling tax:	**+ 975.90**
Tag/title/registration:	**+ 123.25**
Total:	**$33,629.15**

Add $503.67 per unit ordered for 6 ½ foot pickup bed

Capital Ford, Inc.

Government Sales Division

From	Jennifer Romano Gov't Sales
Phone/Fax	Office 919-790-4648 Fax 919-871-6917
E-Mail	jromano@capitalford.com

DATE	October 26th 2021
	Pender County
FINAL QUOTE	NCSA 22-08-0913 Item #198

2022 F150 Crew Cab 4x4 145" Wheelbase (W1E)	$29,889.14
Painted White /Delivered	included
Power Group/Keyless Entry	included
995 5.0L V-8 Engine	$1,875.30
50S Cruise Control	$211.50
53B Trailer Hitch	$192.70
Acari Light Bar	$1,095.00
Four Corner Strobes	$795.00
Total Per Unit	$34,058.64

Remit to
jromano@capitalford.com
Capital ford of Raleigh
4900 Capital Blvd
Raleigh NC 27616

Pender County
Request for Board Action

TO:	Board of County Commissioners
FROM:	Kenneth Keel
DATE:	November 15, 2021
SUBJECT:	Approve Purchase Order for Resurfacing of Water Plant Clearwells

SUMMARY:
The clearwells (finished water storage tanks) at the Water Plant have significant staining and some surface cracking that needs repair. The clearwells were built in September of 2011 and in the time since have developed some cracking and discoloration from mold and algae growth. These tanks each hold a million gallons of water and are used as the main storage at the water treatment plant. Over time, these cracks could turn into bigger issues if not addressed sooner rather than later. Pressure washing, caulking of the cracks, and painting will help extend the life and overall reliability of the tanks.

The scope of work for this project includes pressure washing the entire surface of each tank, and caulking the cracks of the tank with NP1. There is about 500 linear feet to repair. The final step is applying two coats of Tnemec Series 156 paint to each tank. There is a one year warranty on materials and labor.

Funds were included in the FY22 budget for this expenditure in account 77-404500. Three quotes were obtained from vendors competent in this type of work. The lowest responsible bid was from Carolina Management Team for a total of $89,734 for both tanks.

ACTION REQUESTED:
Approve Purchase Order for $89,734 to Carolina Management Team for clearwell resurfacing

ATTACHMENTS:
Quote from Carolina Management Team
Quote from Crom
Quote from ProCoat
Photo of clearwells

Carolina Management Team
coatings and concrete repair

49 McDowell Street
Asheville, NC 28801
www.CMTcoatings.com

336-431-7708

WBE and HUB certified

To: Tom Hedrick
Pender County Utilities
289 Quality Way Currie NC 28401
910-619-6068 thedrick@pendercountync.gov

October 21, 2021
Proposal #21184

From: David Gambrell, Estimator, 336-434-0784

Proposal Pender County WTP -Clearwells 1-2

Location 289 Quality Way, Currie, NC 28401

Surface Preparation and Coating Application

- Pressure wash surface per SSPC-SP1
- Caulk approximately 500 LFT of cracks with NP1; Anything over 500 LFT will be $3.75 per LFT
- Apply two coats Tnemec Series 156 (6-8 mils DFT per coat)

Project Cost **$44,867.00 per tank** (includes 6.75% Pender County tax of $2,837.04)

All materials guaranteed to be as specified and all work to be performed as specified and completed in a professional workmanlike manner. Payment is due NET 10 days. Warranty is one year on materials and labor.

Notes:

- Price includes one mobilization – delays requiring extra mobilizations will incur additional charges
- Price assumes water and electricity provided and project area is dry, empty, and not in service
- Price excludes removal of existing coatings unless otherwise stated
- Price excludes environmental controls
- All agreements contingent upon weather, delay beyond our control, no lead present
- Proposal valid for 30 days from proposal date, after this period adjustments may be needed
- Price assumes the accuracy of the site conditions described in the project specifications. If CMT finds latent, concealed or subsurface conditions which differ materially from the project specifications, or unknown physical conditions, which differ materially from those ordinarily found and generally not recognized as inherent in the work described in this proposal, the project pricing will be equitably adjusted with a revised proposal and subcontract change order
- Price assumes CMT has full access to the project area described in the proposal when deployoed to the site
- Price assumes that this is a repair, maintenance, and installation (RMI) project and is subject to the general state and applicable local and transit rates of sales and use tax as defined in N.C. Gen. Stat. 105-164.3. If this is a capital improvement (CI) project, please complete the form E-589CI, Affidavit of Capital Improvement and return to us

We are qualified with NACE Certified Coating Inspectors and SSPC Certified Concrete Coating Inspectors on staff

October 29, 2021

PROPOSAL 20210640

EXTERIOR COATINGS
TWO 1,000,000-GALLON CLEARWELLS
PENDER COUNTY, NORTH CAROLINA

CROM, LLC (“CROM") proposes to provide labor and material for the coatings of the prestressed concrete tanks for Pender County, 605 East Fremont Street, Burgaw, North Carolina 28425 ("Client"). All work will be completed in accordance with all applicable codes and standards including OSHA, AWWA, ACI and standard prestressed concrete tank design.

1. DRAWINGS, SPECIFICATIONS, AND OTHER REQUIRED DATA

The "Client" or a duly authorized representative, is responsible for providing CROM with a clear understanding of the project nature and scope as is reasonably known to the Client. The Client shall supply CROM with sufficient and adequate information, including, but not limited to, maps, site plans, reports, surveys and designs, to allow CROM to properly complete the specified services. The Client shall also communicate changes in the nature and scope of the project as soon as possible during performance of the work so that the changes can be incorporated into the work product.

Prior to starting work, CROM will request from Client data reasonably required for submittal purposes for the coatings of the aforementioned storage tanks including any available computations, detailed drawings, and specifications. If, in the opinion of CROM, adequate data is not available or is incomplete, Client will be informed and arrangements made for creation of needed data. CROM will not perform engineering studies or perform work requiring professional engineering duties but will assist Client in obtaining such services.

2. COMMENCEMENT AND COMPLETION

Upon your execution of this proposal, CROM will be prepared to start work **30 days** after approval of our submittal information; and will undertake to furnish sufficient labor, materials, and equipment to complete the work within approximately **4 Crew Weeks** working time thereafter.

In the event Client desires to execute a separate agreement, such agreement shall include this proposal and all the conditions herein unless both parties agree in writing to specifically omit any condition, in writing, specifically referencing the omitted condition(s).

In the event that CROM cannot start the job by **January 10, 2022** because of delays of any nature, which are caused by the Client or other contractor employed by him or other circumstances over which CROM has no control, then the contract price may be renegotiated to reflect any increased costs.

3. INSURANCE

CROM represents and warrants that it and its agents, staff and Consultants employed by it is and are protected by worker's compensation insurance and that CROM has such coverage under public liability and property damage insured policies which CROM deems to be adequate. Certificates for all such policies of insurance shall be provided to Client upon request in writing. Within the limits and conditions of such insurance CROM agrees to indemnify and save Client harmless from and against loss, damage, or liability arising from negligent acts by CROM, its agents, staff and consultants employed by it. CROM shall not be responsible for any loss, damage or liability beyond the amounts, limits, and conditions of such insurance or the limits described in Section 8, whichever is less. The Client agrees to defend, indemnify and save CROM harmless for loss,

damage or liability arising from acts by Client, Client's agent, staff and other consultants employed by Client. Any bond requirement(s) by Client will carry an additional cost unless the parties agree otherwise.

4. SERVICES TO BE FURNISHED BY CROM

CROM proposes to furnish all supervision, labor, material, and equipment required to complete the work, except as noted in Paragraph 5. The services to be furnished by CROM are specifically:

This scope of work is to be performed on the following tanks:

- 1.0-MG Clearwell
  72'-0" ID x 33'-1" SWD
  (CROM Job No. 2011-M-001.01)

- 1.0-MG Clearwell
  72'-0" ID x 33'-1" SWD
  (CROM Job No. 2011-M-001.02)

a. Mobilization of crew, materials, and equipment to jobsite.

b. Clearwell 1 (2011-M-001.01) Exterior Dome and Wall Concrete Surfaces:
   1) Pressure wash at a minimum of 3500 psi with tri-sodium phosphate solution to remove mildew, dust, dirt, grease, oil, and other contaminants from the substrate.
   2) Stripe coat areas of surface cracking with Tnemec Series 156 Enviro-Crete at 4.0-8.0 mils DFT.
   3) Apply two coats of Tnemec Series 156 Enviro-Crete at 4.0-8.0 mils DFT per coat.

c. Clearwell 2 (2011-M-001.02) Exterior Dome and Wall Concrete Surfaces:
   1) Pressure wash at a minimum of 3500 psi with tri-sodium phosphate solution to remove mildew, dust, dirt, grease, oil, and other contaminants from the substrate.
   2) Stripe coat areas of surface cracking with Tnemec Series 156 Enviro-Crete at 4.0-8.0 mils DFT.
   3) Apply two coats of Tnemec Series 156 Enviro-Crete at 4.0-8.0 mils DFT per coat.

5. MATERIALS AND SERVICES FURNISHED BY CLIENT OR OTHERS

It is understood that the following services shall be provided by others without expense to CROM:

a. Client will grant or obtain free access to the site for all equipment and personnel necessary for CROM to perform the work set forth in this Proposal. The Client will notify any and all processors of the project site that Client has granted CROM free access to the site. CROM will take reasonable precautions to minimize damage to the site, but it is understood by Client that, in the normal course of work, some damage may occur, and the correction of such damage is not part of this Agreement unless so specified in the Proposal.

b. The Client is responsible for the accuracy of locations for all subterranean structures and utilities. CROM will take responsible precautions to avoid known subterranean structures, and the Client waives any claim against CROM, and agrees to defend, indemnify, and hold CROM harmless from any claim or liability for injury or loss, including costs to defend, arising from damage done to subterranean structures and utilities not identified or accurately located. In addition, Client agrees to compensate CROM for any time spent or expenses incurred by CROM in defense of any such claim with compensation to be based upon CROM's prevailing fee schedule and expense reimbursement policy.

c. A continuous supply of potable water under minimum pressure for the use of the CROM crew within 100 feet of the tanks site.

d. A continuous supply of electricity during the period of work: one 100-AMP, 110/220-volt service for the operation of our power tools and accessories, located not more than 100 feet from the tank. Please be sure that all circuit breakers are ground-fault protected. If it is necessary for CROM to supply its own electric power, add $500.00 per week to the contract amount.

e. Any permit or other fees from any AHJ as may be required for the work including but not limited to all connect/disconnect, impact and building/construction fees.

f. A suitable container conveniently located on site for the use of the CROM crew to dispose of construction debris generated during the repairs/modifications.

g. Cleaning the interior of the tank and accessories.

h. All professional engineering design services.

i. Method A "X-Cut Tape Test", per ASTM D3359, shall be completed by a qualified coatings inspector or coatings manufacturer representative prior to application of new coating system. Results of this test must be 4A or greater. If the results of this test are less than a 4A, CROM and the Client will have to re-evaluate the proposed scope of work and pricing.

6. BACK CHARGES AND CLAIMS FOR EXTRAS

No claim for extra services rendered or materials furnished will be valid by either party unless written notice thereof is given during the first ten days of the calendar month following that in which the claim originated. CROM's claims for extras shall carry 30% for overhead and 10% for profit. Any mutually agreed upon deductive change order will provide only a credit for 10% profit but will not provide a credit for 30% overhead.

7. DELAYS

It is agreed that CROM shall be permitted to prosecute work without interruption. If delayed at any time for a period of 24 hours or more by an act or omission of the Client, the Authority Having Jurisdiction (AHJ), any representative, agents or other contractors employed by Client, or by reason of any changes ordered in the work, CROM shall be reimbursed for actual additional expense caused by such delay, and loss of use of our equipment, and 30% for overhead.

LIMITATION ON INDIVIDUAL LIABILITY OF DESIGN PROFESSIONAL - TO THE EXTENT PERMITTED BY LAW, AN EMPLOYEE, AGENT, DESIGN PROFESSIONALS, OR ENGINEERS EMPLOYED BY CROM SHALL NOT BE INDIVIDUALLY LIABLE FOR NEGLIGENCE OCCURRING WITHIN THE COURSE AND SCOPE OF EMPLOYMENT WITH CROM UNDER THIS PROPOSAL TO AN OWNER, CONTRACTOR, SUBCONTRACTOR, OR TO ANY THIRD PARTY CLAIMING BY AND THROUGH THESE PARTIES.

8. RISK ALLOCATION

Client agrees that CROMs liability for any damage on account of any error, omission or other professional negligence will be limited to a sum not to exceed $50,000 or CROM's fee, whichever is greater. Client agrees that the foregoing limits of liability extend to all of CROM's employees and professionals who perform any services for Client. If Client prefers to have higher limits on general or professional liability, CROM agrees to increase the limits up to a maximum of $1,000,000.00 upon Clients' written request at the time of accepting our proposal provided that Client agrees to pay an additional consideration of four percent of the total fee, or $400.00, whichever is greater. The additional charge for the higher liability limits is because of the greater risk assumed and is not strictly a charge for additional professional liability insurance.

9. ASSIGNMENT AND THIRD PARTIES

Neither the Client nor CROM may delegate, assign, sublet or transfer their duties or any interest in this Proposal without the written consent of the other party. Both parties agree there are no intended third-party beneficiaries to this Proposal including other contractors or parties working on the project, or, if necessary, a surety of CROM.

10. LABOR

This proposal is predicated on open-shop labor conditions, using our own personnel. If we are required to employ persons of an affiliation desirable to the Client or other contractor employed by him or the general contractor thereby resulting in increased costs to us, the contract price shall be adjusted accordingly. Such requirement shall not provide that CROM sign a contract with any labor organization. In the event of a labor stoppage, we shall not be in default or be deemed responsible for delay of the progress of this contract or damage to the Client or the contractor so long as CROM has sufficient qualified employees available to perform the work.

Our proposal is based on our crew performing our Scope of Work in accordance with our standard safety program. If any additional safety requirements are placed on us (not required by OSHA) such as: site training, additional safety equipment or permit required confined space, the cost for such additional requirements plus 30% for overhead shall be reimbursed to us.

11. QUOTATION

We are prepared to carry out this work in accordance with the foregoing for the lump sum price of:

Mobilization:	**$ 12,200.00**
Clearwell No. 1 Exterior Coatings:	**$ 52,400.00**
Clearwell No. 2 Exterior Coatings:	**$ 52,400.00**
Total:	**$117,000.00**

Notes:

1. **CROM assumes the above mentioned scope of work can be completed in one mobilization. If more than one mobilization is required then then a cost of $12,200.00 per mobilization will be added to the final invoice.**

Periodic and final payment, including any retention, shall be made within **7 days** from the date our work is completed or the billing is received, or in accordance with applicable state Prompt Payment law, whichever is earlier, and is to be received by us in our accounting office at 250 SW 36th Terrace, Gainesville, Florida 32607. All costs for third party contracts and billing management services, or use of any software, as may be required by the Customer or Owner, will be added to the Contract Price, by change order. Final payment shall not be held due to delays in testing. Payment not received by that date will be considered past due and will be subject to a late payment charge of 1½% per calendar month, or any fraction thereof until received in our office.
If CROM does not receive payment within 7 days after such payment is due, as defined herein, CROM may give notice, without prejudice to and in addition to any other legal remedies, and may stop work until payment of the full amount owing has been received. The Proposal Amount and Time shall be adjusted by the amount of CROM's reasonable and verified cost of shutdown, delay, and startup, which shall be effected by an appropriate change order.

Any reasonable legal or other expense necessary for the enforcement of this Proposal or for the collection of monies due shall be borne by the party at fault. If sales tax is excluded from our price, or on materials contained in our price, in accordance with project specifications, such exclusion is subject to receipt of adequate tax exemption documents from you or the project owner prior to commencement of Work to allow for our application of same. If proper tax exemption documentation is not received or is not adequate to provide exemption, we reserve the right to receive reimbursement of all sales tax CROM is obligated to pay due to the tardiness, lack of, or inadequate exemption documentation on behalf of you or the owner.

12. ARBITRATION/DISPUTE RESOLUTION AND VENUE

Any controversy or claim relating to the contract between us shall be settled by arbitration in accordance with the Construction Industry Arbitration Rules of the American Arbitration Association, and judgment by the arbitrator(s) may be entered in any court having jurisdiction. The claim will be brought and tried in judicial jurisdiction of the court of the state and county where CROM's principal place of business is located and Client waives the right to remove the action to any other county or judicial jurisdiction, and the prevailing party will be entitled to recovery of all reasonable costs incurred, including staff time, court costs, attorneys' fees and other claim related expenses the venue for any litigation under this Agreement shall be in Alachua County, Florida. If CROM engages an attorney for the collection of the amounts due from the Client, the Client shall pay CROM its reasonable attorney's fees and costs through any appeal. The laws of the State of Florida will govern the validity of these terms, their interpretation and performance. If any of the provisions contained in this Agreement are held illegal, invalid, or unenforceable, the enforceability of the remaining provisions will not be impaired. Limitations of liability and indemnities will survive termination of this Agreement for any cause.

13. CHANGES IN SCOPE AND LIMITATIONS

If the Client wishes to have CROM perform any additional repairs or remediation of the tank or accessories, it shall authorize such work in writing and pay CROM its standard rates for such work.

It is agreed that CROM shall not be responsible for any consequential, special or delay damages or any force majeure events, including but not limited to acts of God and pandemic. CROM does not assume responsibility for differing, latent or concealed conditions, which differ materially from those indicated in the Subcontract/Contract documents or from those ordinarily found to exist and not inherent in the Work, including but not limited to weather or subsurface conditions, and not caused by CROM's fault or negligence.

14. TERMINATION

This agreement may be terminated by either party upon seven (7) days written notice in the event of substantial failure by the other party to perform in accordance with the terms hereof. Such termination shall be effective if that substantial failure has been redeemed before expiration of the period specified in the written notice. In the event of termination, CROM shall be paid for services performed to the termination notice date plus reasonable termination expenses.

In the event of termination, or suspension for more than three (3) months prior to completion of all work contemplated by the proposal, CROM may complete such analyses and records as necessary to complete their files and may also complete a report on the services performed to the date of notice of termination or suspension. The expense of termination or suspension shall include all direct costs of CROM in completing such analyses, records and reports if necessary.

15. GUARANTEE

CROM will guarantee its workmanship and materials on its work covered in this Proposal for a period of one year after completion of its work. Prior to leaving the location, CROM personnel will perform a walk through with the responsible party overseeing our work for the Client. In case any defects in CROM's workmanship or materials appear within the one-year period after completion and acceptance of CROM's work, CROM shall promptly make repairs at its own expense upon written notice by the Client that such defects have been found. CROM's guarantee is limited to defects in CROM's workmanship and materials, excluding inspections, cleaning and disinfection services (“Services"). CROM shall endeavor to perform these Services with that degree of care and skill ordinarily exercised under similar circumstances by contractors practicing in the same discipline at the same time and location. CROM shall not be responsible for, nor liable for, delamination of previous coatings application, any ordinary wear and tear or for damage caused from negligent or inappropriate use or by any other entity beyond our control, including but not limited to modifications, work or repairs by others.

If a bond is required for the Scope of Work included in this contract, CROM will furnish a one-year Performance and Payment Bond. The cost of this bond is **not included** in our price. Please add $9.00 per $1,000 of contract value.

16. ACCEPTANCE

This proposal is offered for your acceptance within **20 days** from the proposal date. We reserve the right after that period to amend our bid to reflect our changing construction schedules and materials and labor rate changes. The return to this company of a copy of this proposal with your acceptance endorsed thereon within the time aforesaid will constitute a contract between us. This proposal shall be made a part of any subcontract agreement or purchase order.

Sincerely,

CROM, LLC

Josh Homes
Business Development Manager

Joseph Swann
Regional Manager

/ry

ACCEPTED BY CLIENT

_____

PRINT: _____

TITLE: _____

DATE: _____

Tonia Barton, Director of Marketing

tbarton@procoatcorp.com (336) 908-7053

3195 Maplewood Ave. Winston-Salem, NC 27103

PROPOSAL # 20314

PROPOSAL SUBMITTED TO	Tom Hedrick, WTP Superintendent Pender County Utilities
DATE	6/25/2021
STREET	289 Quality Way
CITY, STATE, AND ZIP CODE	Wilmington, NC 28401
JOB NAME	2- 1 million Gallon Crom Clearwells
JOB LOCATION	Wilmington
TELEPHONE NUMBER	910-619-6068
EMAIL	thedrick@pendercountync.gov

SCOPE OF WORK:

As Per TNEMEC Specification:

Surface Preparation

Repair surface imperfections with Series 215 as needed, no imperfections noted upon visit this proposal. Pricing allows for an estimated 250' of repairs. If beyond this estimate pricing can be discussed.

Cracks will be addressed as per specification, as needed

1st Coat: 1 coat of Series 151 @ 0.7-1.5 mils

2nd Coat: Series 156 @ 6.0-8.0 mils

3rd Coat: Series 156 @ 6.0-8.0 mils

DESCRIPTION	Total Price
Surface Prep and coating of 1 Crom Clearwell	$92,092.00
Surface Prep and coating of both Crom Clearwells	$178,775.00

All materials guaranteed to be specified, and all work to be performed per specification, as well as completed in a professional manner.

- Price does not include environmental controls, bypass pumping or testing.
- Price does not include any surface repairs over the 300’ included in estimate.
- All agreements are dependent on scheduling/weather delays.
- Price is the anticipated condition in which project details have been given to ProCoat. Any unknown physical conditions, which differ substantially from those ordinarily found, any unseen items during site visit and those not recognized as built-in the work described in this proposal, the project pricing will be justifiably adjusted with a revised proposal and/or contract change order.

- Warranty is one year on labor, TNEMEC can offer a 10 year warranty with the system specified in this proposal.



Pender County
Request for Board Action

TO:	Board of County Commissioners
FROM:	Kenneth Keel
DATE:	November 15, 2021
SUBJECT:	Approval of Contract Change Order for Construction of Factory Road Water Main Extension Design-Build Project, Budget Ordinance Amendment, and Associated Purchase Order

SUMMARY:
The Factory Road Water Main Extension Design-Build project is nearing design completion and is ready to move forward with construction. The proposed change order will increase the initial contract amount by $504,250 for construction. This amount includes a total $47,000 contingency for unforeseen issues.

The schedule has shifted a bit due to anticipated delays in securing materials for the project. A schedule is attached which shows a new anticipated completion date of late May, although we are showing June 30th in the change order due to concerns about materials delivery.

Supply chain issues and greatly increased material costs have caused the Factory Road Water Line construction costs to exceed the budgeted amount. PCU's water fees revenue is also higher than anticipated, so we have enough funds available to complete the project with this requested adjustment to revenues and funds transfer through the attached Budget Ordinance Agreement. I have attached documentation regarding the increase in material costs over the past year and three-quarters.

ACTION REQUESTED:
Approve Contract Change Order for Construction of Factory Road Water Main Extension Design-Build Project, Budget Ordinance Amendment, and Associated Purchase Order

ATTACHMENTS:
Change Order # 1
60% Design Guaranteed Maximum Price Quote from State Utility Contractors
Documentation of increased costs in relation to Factory Rd since Covid 19

Anticipated construction schedule
Budget Ordinance Amendment

Design-Build Change Order Form

Change Order Number: 1	Change Order Effective Date: (date when executed by both parties)
Project: Factory Rd Waterline Extension	Design-Builder's Project No:
	Date of Agreement:7-16-21
Owner: Pender County Utilities	Design-Builder: State Utility Contractors, Inc.

Scope of the Change: Construction of the 8" Waterline on Factory Rd and 6" waterline on Broadview Lane

Original Contract Price:	$ 90,500.00	
Net Change by Previous Change Order No(s): to:	$ 0.00	
This Change Order Increase/Decrease (attach breakdown):	$ 504,250.00	
New Contract Price:		**$ 594,750.00**

Original Contract Completion Date:	December 8	2021
Adjustments by Change Order No(s) to:		(calendar days)
This Change Order Contract Time Increase/Decrease:	204	(calendar days)
Revised Substantial Completion Date:	**June 30**	**2022**

By executing this Change Order, Owner and Design-Builder agree to modify the Agreement's Scope of Work, Contract Price and Contract Time as stated above. Upon execution, this Change Order becomes a Contract Document issued in accordance with DBIA Document No. 535, *Standard Form of General Conditions of Contract Between Owner and Design-Builder*, (2010 Edition).

OWNER:		**DESIGN-BUILDER:**	
By:		By:	
Printed Name:		Printed Name:	
Title:		Title:	
Date:		Date:	

© 2001 Design-Build Institute of America

STATE UTILITY CONTRACTORS

P.O. BOX 5019 - MONROE, N.C. 28111-5019 (704) 289-6400 FAX (704) 282-0590
Shipping: 4417 OLD CHARLOTTE HIGHWAY, MONROE, NC 28110

10-14-21

Kenneth Keel
Public works Director
Pender County

RE: 60% GMP Factory Rd Waterline Extension

GMP Clarifications and Qualifications

- GMP does not include select backfill or soil testing. Based on knowledge of surrounding area soil conditions we do not think it will be needed
- No storm drain replacement was included as the intended alignment should not require removal.
- GMP does not include any Domestic or Buy American provisions.
- Schedule included Material delivery at 14 weeks after submittal approval

Extension

BID: 10/15/2021

State Utility Contractors

ITEM	DESCRIPTION	UNIT	QUAN	BID	EXT
1	Mobilization	LS	1	15,600.00	15,600.00
2	8" Water Line C900	LF	2800	75.00	210,000.00
3	6" Water Line C900	LF	600	65.00	39,000.00
4	8" Directional Drill Fusible C900	LF	225	150.00	33,750.00
5	16" Jack and bore	LF	80	520.00	41,600.00
6	Water Services	EA	6	2,500.00	15,000.00
7	Fire Hydrant	EA	4	7,000.00	28,000.00
8	8" Gate Valves	EA	6	3,300.00	19,800.00
9	6" Gate Valves	LS	2	2,400.00	4,800.00
10	Connect to existing	LS	2	3,100.00	6,200.00
11	Concrete Drive replacement	SY	240	140.00	33,600.00
12	Erosion Control	LS	1	9,900.00	9,900.00
					==========
					457,250.00
	Contractor Contingency 5 %				23,000.00
	Owner Contingency 5%				24,000.00
	Total GMP				504,250.00

Documentation of increased costs in relation to Factory Rd since Covid 19.

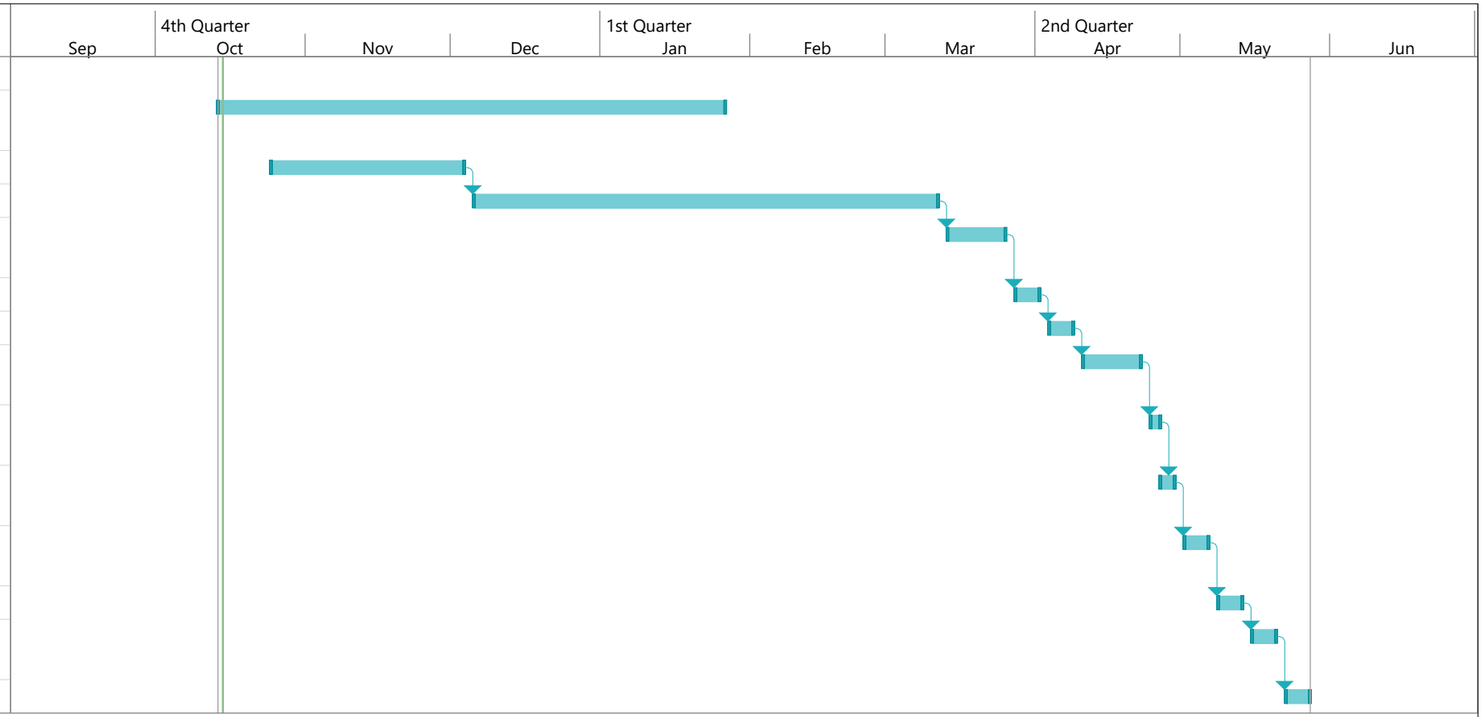
Comparison of material cost of 10-15-21 to 1-7-20

Material	Quantity	Today cost	1-7-20 cost	Difference	Total Additional Cost
8" C900	2800 LF	$19.97	$7.60	$12.37	$34,636.00
6" C900	600 LF	$11.64	$5.19	$6.45	$3,870.00
8" Gate Valve	6 EA	$1,340.50	$1,089	$251.50	$1,509.00
6" Gate Valve	6 EA	$900.13	$727.00	$173.13	$1,038.78
8" Bell Restraint	53 EA	$104.86	$84.53	$20.33	$1,077.49
8" 45 MJ Bends	14 EA	$312.58	$215.07	$97.51	$1,365.14
				Total additional cost	$43,496.41

Increased Labor and Equipment Cost from 1-7-20 to 10-15-21

Labor and Equipment Cost increased 10.4% per day.

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors
1						
2		Permit & Easement acquisition	75 days	Thu 10/14/21	Wed 1/26/22	
3		Submittals	30 days	Mon 10/25/21	Fri 12/3/21	
4		Material Delivery	70 days	Mon 12/6/21	Fri 3/11/22	3
5		Install Directional drill	10 days	Mon 3/14/22	Fri 3/25/22	4
6		Install Jack and Bore	5 days	Mon 3/28/22	Fri 4/1/22	5
7		Install Jack and Bore	5 days	Mon 4/4/22	Fri 4/8/22	6
8		Install 8" Pipe Sta 10+00 to 38+43	10 days	Mon 4/11/22	Fri 4/22/22	7
9		Tie into existing water line	2 days	Mon 4/25/22	Tue 4/26/22	8
10		Install 6" pipe Sta 38+43 to 43+74	3 days	Wed 4/27/22	Fri 4/29/22	9
11		Install water services	5 days	Mon 5/2/22	Fri 5/6/22	10
12		Test and chlorinate	5 days	Mon 5/9/22	Fri 5/13/22	11
13		Replace concrete driveways	5 days	Mon 5/16/22	Fri 5/20/22	12
14		Clean up	5 days	Mon 5/23/22	Fri 5/27/22	13



Project: Factory rd 10-14-21
Date: Fri 10/15/21

Task	Project Summary	Manual Task	Start-only	Deadline
Split	Inactive Task	Duration-only	Finish-only	Progress
Milestone	Inactive Milestone	Manual Summary Rollup	External Tasks	Manual Progress
Summary	Inactive Summary	Manual Summary	External Milestone	

Friday, October 29, 2021

Pender County Budget Ordinance Amendment

Date Monday, November 15, 2021

Board Meeting Date (If Applicable) Monday, November 15, 2021

Fiscal Year FY 2021-2022

Fund 72 - RP/T W&S

Division, Program, Project, etc. Factory Road Water Line Extension

Department 072 - WATER OPERATIONS

Purpose of Request

Supply chain issues and greatly increased material costs have caused the Factory Road Water Line construction costs to exceed the budgeted amount. Our water fees revenue is also higher than anticipated, so we have enough funds available to complete the project with this requested transfer.

REVENUES

	Account # (ORG-OBJECT)	Account Description	Amount
1	072-330000	Water Fees	105750
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			

Proposed Amendment:

EXPENDITURES

	Account # (ORG-OBJECT)	Account Description	Amount
1	072	407400	105750
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			

	Account # (ORG-OBJECT)	Account Description	Amount
12			
13			

Total Revenues 105750

Total Expenditures 105750

Prepared By: Kenny Keel

Email kkeel@pendercountync.gov

Pender County
Request for Board Action

TO:	Board of County Commissioners
FROM:	Tommy Batson
DATE:	November 15, 2021
SUBJECT:	Approval of the 2021 EOP (Emergency Operation Plan)

SUMMARY:
The Pender County Emergency Operations Plan must be reviewed annual by the County Emergency Management Office. The state EM office requires a cross walk (Update of any changes every three years). Pender County EM Staff has spent this year completely updating and rewriting the whole plan. The plan has been updated from the original 2014 plan and the addition of Appendices and Annexes. This is a Basic overview of the Emergency Operations Plan that Pender County utilizes in the event an emergency occurs. The basis plan, annexes and appendices that make up the Emergency Operations Plan. In September 2021 North Carolina Emergency Management received the draft plan of the EOP and it has been approved by the State of North Carolina Emergency Management.

ACTION REQUESTED:
Request for approval

PENDER COUNTY

EMERGENCY OPERATIONS PLAN

2021

Pender County Emergency Management

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FOREWORD

The Pender County Emergency Operations Plan (EOP) was developed by the Emergency Management Department and partner agencies to ensure a coordinated and effective response to any significant hazard that might threaten the county. Each year the EOP should be reviewed and updated to incorporate the most recent technological advances and the timeliest information available to the emergency management community, as well as new partnerships that have developed during the year.

Using a functional format, reflective of the National Response Framework, the plan builds upon the National Incident Management System (NIMS) which provides a consistent template for managing incidents. NIMS fosters a prompt, efficient, and coordinated response by all the diverse elements of the emergency response community. NIMS requires a system-wide integration of skills, people, and resources, and recognizes that plans developed for one type of emergency are extremely useful for other emergency situations. From a budgetary perspective, using NIMS ensures the best possible use of limited funds and resources from many sources.

The Basic Plan serves as the conceptual and policy framework for any response effort. The plan details each of the five sections of the Incident Command System (ICS) and assigns the responsibilities for several agencies in an emergency situation. Defining the roles of each response agency prior to an event serves to reduce confusion and conflict during emergencies, and significantly decreases the vulnerability of people and property to hazardous threats.

This plan does not attempt to define how each agency should perform its tasks. The manner in which tasks are to be performed are contained in each agency's standard operating procedures/guidelines/checklists.

Companion documents referenced throughout this EOP should be consulted when implementing portions of the plan. This document contains some of the referenced materials, including emergency management authorizing ordinances, memorandums of understanding, and sample resolutions that can be used for implementing the plan. Other documents are located at the Emergency Operations Center (EOC).

This plan meets the requirements of planning guidance promulgated by the Federal Emergency Management Agency (FEMA), CPG 101, and the legal responsibilities identified in North Carolina General Statutes, Chapter 166-A. It provides all the necessary elements to ensure that local government can fulfill its legal responsibilities for emergency preparedness.

The Pender County Emergency Operations Plan dated 2014, and all subsequent changes to that document, are hereby rescinded.

LETTER OF PROMULGATION

TO: COUNTY GOVERNMENT
MUNICIPAL GOVERNMENTS
RESIDENTS OF PENDER COUNTY

By virtue of the powers and authority vested in me as the Chairman, County Board of Commissioners, I hereby promulgate and issue the revised Pender County Emergency Operations Plan, dated November 2021, as regulation and guidance to provide for the protection of the residents of Pender County. The revised Pender County Emergency Operations Plan, hereafter, will be referred to as "The Plan."

The Plan outlines the coordinated actions to be taken by county and municipal officials and volunteer organizations to protect lives and property in natural or manmade disasters. It identifies manpower and other resources available to prevent, minimize, and recover from injury, loss of life, and destruction of property. The Board of County Commissioners supports the use of NIMS and the Incident Command System (ICS) at all levels of response, as promulgated in The Plan.

This plan is an effective tool for emergency response and recovery planning and will be implemented when directed by the Chairman of the County Board of Commissioners. The Emergency Management Director is responsible for maintaining and updating the plan in coordination and agreement with appropriate participating agencies and units of government.

Adoption of The Plan rescinds the Pender County Emergency Operations Plan dated 2014, and all subsequent changes to that document.

Sincerely,

George Brown, Chairman
County Board of Commissioners

LETTER OF AGREEMENT

The Pender County Emergency Operations Plan (EOP) is an all-hazards plan that establishes a comprehensive framework for the management of major emergencies and disasters within the county. This plan will be implemented when it becomes necessary to mobilize county resources to prepare for, respond to, and recover from disaster situations. This plan is designed to provide county capacity to ensure disaster and emergency situations minimize the impact to life, property, and infrastructure.

This plan involves all departments within the county and may require the participation of non-governmental agencies and state or federal agencies. By signing this letter of agreement, the county departments and agencies agree to maintain the necessary plans, guidelines, and procedures to accomplish their assigned responsibilities.

SIGNATORIES TO THE EMERGENCY OPERATIONS PLAN

The following parties agree to support the overall concept of operations of the Pender County Emergency Operations Plan and to carry out the functional responsibilities as assigned in the EOP.

Chairman, County Board of Commissioners
George Brown

County Manager, Pender County
Chad McEwen

Mayor, Town of Burgaw
Kenneth Cowan

Mayor, Town Surf City
Doug Medlin

Mayor, Town of Topsail Beach
Steven Smith

Mayor, Town of Atkinson
Elton Newkirk

Mayor, Town of St. Helena
Robert Barnhill

Mayor, Town of Watha
Needham C. Hall

Superintendent, Pender County Schools
Dr. Steven Hill

Sheriff
Alan W. Cutler

Director, Pender County Emergency Management
Tommy Batson

PLAN OVERVIEW

What is the Emergency Operations Plan (EOP)?
The EOP is a signed agreement among the jurisdictions and partner agencies in Pender County. The state of North Carolina and the federal government are support agencies. The EOP provides the mechanism for coordinating the delivery of assistance and resources to the residents, visitors, and businesses of Pender County during a major disaster or emergency.

When is the EOP Implemented?
It is intended that this Emergency Operations Plan (EOP) be implemented in anticipation of, or in response to, a significant event likely to result in the need for countywide, state, or federal resources and assistance. The disaster or emergency may be caused by a natural, technological, or man-made hazard or any other situation for which the Chairman of the County Board of Commissioners determines that assistance is needed to supplement county efforts and capabilities.

Who Should Use the Plan?
This plan should be used by elected and appointed officials of county and municipal governments, chief executives and policy officials of non-profit organizations, emergency response personnel, and other governmental departments and agencies to identify, organize and manage resources, and to coordinate emergency response and disaster relief assistance.

How is the EOP organized?
The EOP is modeled after the National Response Framework (NRF).

The Basic Plan presents the policies and concept of operations that guide how the Pender County government plans to coordinate its disaster response effort. It also includes planning assumptions, response and recovery actions, and assigned responsibilities. Annexes to the plan detail how specific hazards or functions will be handled. These documents may not be available to the public.

Organizations with assigned responsibilities should be familiar with the entire plan. Governmental agencies and departments are responsible for establishing their own standard operating procedures and guidelines to conduct the operational tasks assigned to them in this plan. Departments and agencies may submit copies of their procedures to the Pender County Emergency Management Department.

RECORD OF CHANGES

PURPOSE OF CHANGE	DATE OF CHANGE	PAGE(S) CHANGED	CHANGE MADE BY

BASIC PLAN

I. PURPOSE

This plan sets forth a framework for mitigation and preparedness actions that should be taken by government agencies and private organizations in Pender County to reduce the vulnerabilities of people and property to disaster. It also establishes capabilities to respond and recover effectively to the actual occurrence of a disaster.

This plan, and the Emergency Operations Center, assigns responsibilities based on the Incident Command System (ICS) structure. The ICS structure is designed to be a scalable approach to incident management that allows for a coordinated response by multiple agencies. ICS maintains the decision-making structure regardless of the size and response necessitated by the incident.

II. SITUATION AND ASSUMPTIONS

A. Situation

- Pender County is located in the southeastern portion of the state of North Carolina. It is bound on the north by Duplin and Onslow Counties, on the west by Bladen and Sampson Counties, on the south by Brunswick, Columbus, and New Hanover Counties, and on the east by the Atlantic Ocean. In 2020, the population of Pender County was estimated at 60,203 (U.S. Census Bureau). Pender County is comprised of 869 square miles.

- Pender County is located within the North Carolina Emergency Management's (NCEM) Eastern Branch and within the Federal Emergency Agency's (FEMA) Region IV.

- Pender County consists of mostly flat terrain with relatively mild elevation increases away from the ocean and main rivers and their tributaries. The highest points in Pender County are found near the Bladen and Sampson County lines in the western portion of the county.

- The county seat lies in the Town of Burgaw, located in the central portion of the county.

- The county's population centers are primarily located along the US Highway 17 corridor in Hampstead, the unincorporated area of Rocky Point, and near the incorporated towns of Burgaw, Surf City, and Topsail Beach.

- There are seven incorporated municipalities within the county. These municipalities are organized as indicated:

Municipality	Population
Town of Burgaw	4,080
Town of Surf City	3,449
Town of Topsail Beach	409
Town of Atkinson	392
Village of St. Helena	399
Town of Watha	185
Town of Wallace	Airport only

- The N.C. Department of Public Safety, Division of Adult Corrections operates a medium security institution on Penderlea Highway in Burgaw and houses approximately 750 male offenders.

- The major traffic arteries in the county are: Interstate 40, U.S. Highway 17, U.S. Highway 117, U.S. Highway 421, NC Highway 11, NC Highway 50, NC Highway 53, NC Highway 133, and NC Highway 210.

- Several bridges throughout the county are crucial for timely evacuations to occur. These bridges are identified in GIS data which are accessible in the Pender County Emergency Management Department office. NC DOT and local law enforcement agencies maintain the major highway detour atlas, which is used if emergency detours are needed.

- The National Flood Insurance Program (NFIP) Administrator for Pender County is housed in the Pender County Planning and Community Development Department. Maps indicating low lying flood areas are also located in the Planning and Community Development Department and are available on the county website and in county libraries.

- The county has experienced many hazards, all of which have caused disruption to communities, great amounts of damage, and, in some cases, casualties. The list of potential hazards below is not exhaustive.

    - Hurricanes
    - Tornadoes
    - Severe Thunderstorms
    - Floods
    - Heat
    - Tsunamis
    - Hazardous Materials (stationary & conveyed on transportation systems)
    - Droughts
    - Fires
    - Forest Fires (including those which may impact urban interface areas)
    - Severe Bridge Damage/Failures
    - Civil Disorders
    - Pandemic
    - Livestock Disease

  - National Security Emergencies
  - Power Failures
  - Incidents at Brunswick Nuclear Power Plant
  - Earthquakes
  - Pipeline Accidents
  - Aircraft Accidents
  - School Emergencies
  - Acts of Terrorism

- Pender County receives weather warnings from the National Weather Service.

- Some other characteristics of the county include:

  - Northeast Cape Fear and Black Rivers
  - Atlantic Ocean
  - Atlantic Intracoastal Waterway
  - 95,400 Acres of NC Game Lands
  - Portions of the county are designated as Extreme Forest Fire Danger Areas
  - Large number of recreational boaters
  - Tourist destination
  - Popular beach destination
  - Pender Memorial Hospital
  - Proximity to Sunny Point Military Terminal
  - Proximity to Brunswick Nuclear Power Plant
  - Proximity to Camp Lejeune Marine Base

- Pender County Utilities (PCU) and other private entities provide water to parts of the county. A significant number of residents are also served by wells.

- Few locations within the county have permits to operate sewage treatment plants.

- The entire county relies upon Duke-Progress, Four County EMC, and Jones-Onslow for electrical services and several other providers for telephone and internet service.

- Pender County government has mutual aid agreements with municipalities within the county and other counties through the state through North Carolina Emergency Management.

- Pender County departments, municipal departments, and other agencies will use their own resources and equipment during emergencies and will have operational control over the management of those resources when required to respond to a disaster.

- Resource management, including mission assignment, deployment, and demobilization will be coordinated from the county Emergency Operations Center (EOC) during emergency/disaster situations.

- Some Pender County departments and agencies maintain separate emergency response plans that are used during disasters/emergencies. These may be shared with Emergency Management.

- Most of the county lies within the fifty-mile ingestion pathway zone (IPZ) of the Brunswick Nuclear Power Plant.

- Pender County is a partner in the New Hanover County Local Emergency Planning Committee (LEPC). Staff maintain a database of companies located in the county that manufacture or store hazardous materials on-site.

B. Assumptions

- One or more of the events listed below could impact Pender County:

    - Severe weather event
    - Loss of electrical power
    - Loss of water distribution, wastewater, or water treatment capabilities
    - Road networks become impassable
    - Need for mass care and/or feeding operations (short or long-term)
    - Damage or destruction of telephone or communications networks
    - Dramatic increase in media attention necessitating public information/rumor control
    - Need for federal/state/other states' Emergency Management Assistance Compact (EMAC) assistance
    - Controlled access and re-entry for public into damaged areas
    - Need for damage assessment
    - Auxiliary power for essential facilities
    - Management of donated goods & spontaneous volunteers
    - Contamination of public and private wells
    - Depletion of staff
    - Damage or destruction of vital facilities
    - Reconstruction management program
    - Isolated citizens
    - Severe economic impact
    - Environmental impact on wildlife and the natural environment
    - Need for debris clearance, removal, and disposal
    - Need for temporary debris burn sites, chipping and mulching sites
    - Damage or destruction of vital records and historical properties
    - Presidentially-declared emergency or disaster
    - County and local government resources depleted
    - Increased demand for temporary housing units
    - Need to relax zoning regulations to allow for temporary mobile home sites
    - Identification of areas for temporary housing units

- School or workplace violence
- Medical/emergency facilities at capacity
- Absence of alternative 911 center
- Need to identify areas for resource staging (pre-event) and resource management (post-event)
- Potential for release of hazardous materials
- Interruption of livestock or farming operations
- Looting
- Mass Casualties
- Sheltering for vulnerable populations
- Loss of businesses or jobs and damage to the local economy

- Pender County's threats and hazards are also identified in the Threat Hazard Identification Risk Assessment (THIRA) and the Southeastern North Carolina Regional Hazard Mitigation Plan.

- The occurrence of more than one of the above listed emergency/disaster events could result in a catastrophic disaster situation that could overwhelm local and state resources.

- It is necessary for the county and the municipalities to plan for and to carry out disaster response and short-term recovery operations utilizing local resources; however, it is likely that outside assistance would be available in most major disaster situations affecting the county.

- Officials of the County are aware of the possible occurrence of an emergency or major disaster and their responsibilities in the execution of this plan and will respond as needed.

- A particularly intense disaster event could have a devastating impact upon many primary residences in the county. This might necessitate the local governments agreeing to temporary emergency measures to facilitate shelter needs such as the establishment of areas for tent cities, temporary mobile housing areas, relaxation of zoning regulations, waiver of inspection fees, etc.

- Continuity of government will be maintained through the development of guidelines, checklists, mutual aid agreements, and capabilities to track financial costs of response and recovery operations.

III. CONCEPT OF OPERATIONS

- State of North Carolina General Statute 166A requires county/city governments to organize and plan for the protection of life and property from the impact of hazardous events within its borders.

- In significant emergencies or disasters, the Director of Emergency Management will carry out the direction and control of emergency activities in coordination with the County Manager, under the authority of the County Commissioners.

- The county Emergency Operations Center (EOC) will be staffed and operated as the situation dictates. When activated, operations may be supported by representatives from municipal governments, state government, the private sector, and volunteer organizations, who provide information, data, resources, and recommendations regarding actions needed to cope with the incident.

- The Chief Elected Official (the Chairperson of the Board of County Commissioners or, if unavailable, the Vice-Chairperson) (as defined in NCGS 14-288.1) may declare a State of Emergency to exist within the county, or any part thereof, and begin implementing emergency procedures. These persons are also authorized to terminate the State of Emergency. In general, the individual who authorizes the State of Emergency will declare its termination.

- Information on specific critical facilities and resources is maintained in the Pender County Emergency Management Department, and accessible from the county EOC.

- The Emergency Management Director or his/her designee will coordinate and control county resources. Mayors of the municipalities or their designee will control their own resources in coordination with the county EOC.

- The Public Information Officer (PIO) will disseminate emergency public information through any and all available print, broadcast, and social media outlets.

- Prior planning and training of personnel is a prerequisite to effective emergency operations and must be considered an integral part of disaster preparations. The County Manager may compel staff to participate in necessary training.

- Coordination with surrounding jurisdictions is essential when events occur that have impacts beyond jurisdictional borders.

- All legal documents of either a public or private nature recorded by designated officials must be protected and preserved in accordance with existing law, statutes, and ordinances.

- When local government resources are depleted during emergency operations, requests for assistance will be made to other jurisdictions, higher levels of government, and/or other agencies in accordance with existing or emergency negotiated mutual aid agreements. Requests for state or federal resources must be made through the Pender County Emergency Management Director or his designee. The Director will forward the requests to the NC Division of Emergency Management, which coordinates such requests with the State EOC in Raleigh.

- When a disaster affects one of the municipalities, the Emergency Management Department may respond to the municipal EOC, or command post, to provide assistance and request state and local resources for the affected area. At no time will the County Emergency Management Department assume direction and control of municipal resources, unless requested by the municipal officials and approved by the County Commissioners.

- Any resources not available within the county must be requested through the county EOC and subsequently requested through North Carolina Emergency Management.

- The National Response Framework (NRF) establishes the basis for fulfilling the federal government's role in providing response and recovery assistance to a state and its affected local governments impacted by a significant disaster of any kind, resulting in a required federal response.

- Under the provisions of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, a Federal Coordinating Officer (FCO) will be appointed as the President's representative to coordinate overall delivery of federal assistance. Federal departments and agencies have been assigned missions to provide assistance directly to the State, under the overall direction of the FCO. If a disaster has impacted other parts of North Carolina or other states in the Southeast, Pender County Emergency Management shall be the lead coordinating agency to assemble county assets, when requested.

- Local governments will use their normal channels for requesting assistance and/or resources.

- The National Weather Service will detect and track potentially dangerous storm systems. The Weather Service begins issuing advisories containing strategic information on any storm system that might affect Pender County and continues to issue updated advisories, watches, and warnings if any threat exists. Such advisories are broadcast over the NWS/NOAA Weather Radio System, as well as local government frequencies, radio, and television stations, as they become aware of potential problems.

- The Pender County Emergency Management Department will coordinate with the National Weather Service via appropriate communication method to maintain up-to-date information concerning potential storms and watches. Such information will be provided to the citizens of the affected areas within the county as deemed appropriate.

- Pender County has identified areas that are prone to flooding and those can be identified using the county's GIS page and turning on the "Flood Zones" layer. Generally, these areas are located within the Black River Basin and the Northeast Cape Fear River Basin. When Emergency Management is notified of potential problems in any of these areas, the department, via media or any other available means, will give notice to monitor and prepare to evacuate if needed.

- During hurricane threat or evacuation, all agencies that are assigned primary and supporting responsibilities will maintain ongoing communications and coordinate media releases with the Public Information Officer. Municipal governments may dispatch a representative to the EOC to coordinate news releases, media advisories and instructions to citizens.

- Pender County EOC activations are scalable and depend on the intensity of an emergency situation. Any single event may escalate and de-escalate through the different activation levels as required.

Activation	Description
Level 5	• Standard functioning. • EOC is not activated. • Staff are maintaining standard business functions during normal business hours.
Level 4	• An emergency situation where county staff are capable of response with little to no outside agency involvement. • Emergency Management Director is in contact with key stakeholders, including any agencies requiring notification outside the county. • The EOC is partially activated with essential staff that are monitoring the situation.
Level 3	• Hazard specific response to an incident that may require the assistance of outside agency resources, but primarily handled with county-only response. • EOC is activated but may only be staffed with essential personnel. Some ICS positions remain vacant as staff has the ability to handle multiple roles. • 24-hour operations are likely.
Level 2	• Large-scale response where county requires resources from state and regional partners. • County service delivery likely interrupted. • 24-hour operations with most or all ICS positions staffed.
Level 1	• Full-scale response to an event that requires continued involvement of state and federal partners. • EOC is fully staffed running 24-hour operations.

IV. CONTINUITY OF GOVERNMENT

- All levels of local government must develop and maintain procedures to ensure continuity of government in case of any emergency and/or disaster that could result in disruption of government functions.

- The line of succession of the County Board of Commissioners proceeds from the Chairman to the Vice-Chairman in accordance with policy.

- To ensure continued operational readiness, and compliance with existing laws and ordinances, each department is responsible for the preservation of essential records, documents, and staff recall lists.

- Critical Facilities- Continued operation of the following facilities and systems is essential to support an immediate response following a disaster or emergency, and for long term recovery operations:

    - Electrical distribution systems
    - Water distribution systems
    - Health and medical facilities
    - Transportation resources and facilities
    - Communications networks
    - Public buildings and schools
    - Emergency services facilities
    - Solid waste convenience sites
    - Sewer systems

V. PLAN DEVELOPMENT AND MAINTENANCE

- Local government agencies are responsible for developing and maintaining standard operating procedures or guidelines, and checklists, to support their assignments, as identified in this plan. Each agency should provide this information to the Pender County Emergency Management Department.

- The Emergency Operations Plan will be reviewed annually and updated as needed.

VI. AUTHORITIES AND REFERENCES

Selected references that form the legal basis for actions outlined in this plan are on file in the Pender County Emergency Management Department. These references include the following:

- **Federal**
    - Robert T. Stafford Disaster Relief and Emergency Assistance Act, Public Law 93-288, as amended by Public Law 100-707.
    - Emergency Planning and Community Right to Know Act (SARA Title III).

- OSHA 1910.120.
- Civil Defense Act of 1950, as amended.
- Oil Pollution Act of 1990 (OPA 90).
- Comprehensive Environmental Compensation and Recovery Act (CERCLA).

- **State**
  - NCGS 166A Emergency Management Act.
  - NC Oil Pollution and Hazardous Substances Control Act of 1978.

- **Local**
  - Pender County Code of Ordinances, Chapter 12
  - Pender County Emergency Operations Plan.
  - Local Emergency Planning Committee (LEPC) By-laws.
  - Mutual Aid Agreements with Partner Agencies.

VII. DIRECTION AND CONTROL

This section outlines the direction and control procedures for emergency operations and identifies personnel and resources that are utilized in the coordinated response activities.

- The overall direction and control of county emergency activities is vested with the Chairman of the County Commissioners. The Emergency Management Director carries out the function of disaster coordination at the direction of the County Commissioners. The Incident Commander will establish on-site management. Emergency Management may support the Incident Commander. The EOC will operate under the Incident Command System (ICS) structure.

- Hazards existing within or near the county have the potential to cause disasters of great magnitude; therefore, to conduct effective emergency operations, the direction and control function will operate from the county EOC or appropriate command post.

- Municipalities within the county may exercise independent direction and control of their own emergency resources. Additional resources may be requested and sent to the municipality. Requests for state and or federal assistance will be directed to the county EOC. If the EOC is not activated, the requests will be forwarded to the Emergency Management Director or his/her designee.

- The county EOC may be activated if one or more of the following situations occur:

  - Extensive multi-agency/jurisdictional response and coordination are required to resolve or recover from the emergency.

  - The disaster affects a large area of the county, requiring prioritization of limited resources.

- Local resources are inadequate/depleted and significant mutual aid, state, and or federal resources are needed to resolve the emergency.

- The health and safety of the county is threatened to the extent that it will be necessary for multiple departments and agencies to respond to the event in a coordinated manner.

- Local emergency ordinances are implemented to control an emergency situation.

- Other situations as deemed appropriate by the County Commissioners, County Manager, or Emergency Management Director.

- The county EOC serves as the central direction and control point for countywide emergency response activities. It is located at 805 Ridgewood Avenue, Burgaw. Should this location become inoperable, an alternate EOC can be positioned in the Pender County Sheriff's Office at 605 E. Fremont Street, Burgaw.

- Most municipalities will dispatch representatives to the county EOC upon request. Municipalities may act in unity with the county on such issues as proclamations, security, evacuation, reentry, recovery, public information, instructions on protection of life and property, and resource management.

- Most day-to-day emergencies within the county are directed by a single agency with direction and control being exercised by the senior on-scene officer, in accordance with NIMS. When two or more agencies respond, the response is conducted in accordance with local ordinances, policies, procedures, and agreements.

- Response agencies within the county will use the Incident Command System during incidents.

- Whenever the EOC is activated, or activation becomes imminent, the Emergency Management Director will notify the NC Division of Emergency Management via appropriate communication method.

- Standard Operating Guidelines (SOG) will be utilized within the EOC to manage operations and dispatch resources.

VIII. ASSIGNMENT OF RESPONSIBILITIES

This section tasks positions and departments of Pender County, municipalities, quasi-governmental agencies, and volunteer agencies, with specific emergency responsibilities that are in addition to their daily responsibilities. Certain county agencies are responsible for the development and maintenance of internal standard operating procedures, guidelines, checklists, and/or memorandums of understanding in order to accomplish these responsibilities. These

documents should be shared with the Emergency Management Department to ensure sufficient coverage and to minimize any duplication of efforts.

The EOC will operate under the Incident Command System (ICS) structure. ICS is a standardized approach to command, control and coordination of incident management that provides a common hierarchy within which personnel from multiple organizations can be effective. The ICS structure includes five major functional areas: Command, Operations, Planning, Logistics and Finance. Personnel in the EOC may be assigned to one of these five sections or to a support role and will be provided with ICS training prior to serving in the EOC.

Command staff includes positions that report directly to the Incident Commander, including the Public Information Officer, Safety Officer, and County Attorney. Command staff are responsible for leading the direction of the response to the incident, to include maintaining communication with all responding agencies and levels of government, elected officials, and the public. The Incident Commander also sets the incident objectives.

The Operations Section is responsible for tactical operations, such as search and rescue or swift water response. Other operations may include evacuations or sheltering. This section will include, but is not limited to, law enforcement, fire, EMS, and Public Health. The direction for this Section will generally come from the Incident Action Plan (IAP).

The Planning Section is responsible for collecting information regarding the situation, evaluating that information, then developing plans for how to implement the objectives established by the Incident Commander. The Planning Section will be responsible for developing the IAP, communicating with all agencies involved in the incident, and conducting damage assessment as needed. This Section also looks ahead to begin planning for future operational periods. The Planning Section will lead demobilization at the direction of the Incident Commander.

The Logistics Section is responsible for providing resource support to manage the incident. This generally includes communicating with local, state, and federal partners to request or supply resources. Logistics staff will often communicate directly with the Operations Section to support operational missions by acquiring appropriate resources. This also includes feeding the employees who are working the incident in the EOC. The Logistics Section works closely with the Finance Section in order to follow all procurement procedures and complete appropriate documentation for possible reimbursement.

The Finance Section is responsible for managing the financial aspects of the incident. The Finance Section will review contracts and procurement of vendors required to manage the incident to ensure appropriate policies and procedures are followed.

The county has developed an Emergency Staffing Plan that assigns dates whereby each employee would be required to work in an emergency function if the situation called for full staffing. In most instances, primarily those requiring EOC activation levels 4-5, the Emergency Staffing Plan will not be activated to support the response of an incident. When full EOC activation is required, the Emergency Staffing Plan will be activated, and county employees will be expected to respond accordingly for their scheduled shift/rotation.

The positions and departments below may have responsibilities outside the EOC or that occur simultaneous to county response but outside the ICS structure.

- **Chairperson, County Board of Commissioners**
    - Carry out provisions of N.C. General Statutes and local ordinances relating to emergencies.
    - Declare a State of Emergency for Pender County and assume direction and control of emergency operations in cooperation with other members of the control group, to include:
        - Execution of the Pender County Emergency Operations Plan.
        - Order an evacuation to include all or parts of the county.
        - Restrict the sale of alcohol and or firearms.
        - Order a curfew.
        - Restrict entry into Pender County.
        - Enforce ordinances in effect.
        - Ensure adequate planning for Hazardous Materials Events.
        - Ensure the line of succession for county departments and agencies.
        - Relocate the seat of government if administrative offices become damaged beyond usage.
        - Implement other measures to protect life and property.
    - Nominate members for the Local Emergency Planning Committee to the Chairman of the State Emergency Response Commission.
    - Coordinate emergency response activities with Chairpersons of adjoining jurisdictions and mayors in Pender County.
    - Direct county personnel to return to work following a disaster or emergency.

- **County Manager**
    - Ensure adequate space, facilities, and equipment for an Emergency Operations Center (EOC).
    - Implement the county Emergency Operations Plan by authority of the Chairperson, County Board of Commissioners.
    - Direct county agencies to develop and update emergency plans and SOPs or SOGs to respond to emergencies.
    - Support the Emergency Management Department in annual exercises and tests of the emergency plan/drills.
    - Coordinate emergency response activities with managers of adjoining jurisdictions.
    - Implement direction, control, coordination, and policy-making functions as necessary to provide for optimum protection of public health and safety.
    - Ensure that all county agencies document all expenditures related to the emergency/disaster.

- Determine sheltering/evacuation needs, in coordination with the Emergency Management Director.
- Issue orders to terminate non-essential functions of local governments and re-direct forces to respond to the disaster.
- Plan for the activation of damage assessment/recovery functions of local government.
- Develop and issue policies on essential personnel prior to emergency situations.

- **Director, Emergency Management**

  - Ensure the county EOC is equipped and ready for activation at any time
  - Serve as the Incident Commander or support the Incident Commander in the EOC during activations
  - Develop, maintain, and update the Emergency Operations Plan, standard operating procedures, guidelines, memorandums of understanding, implementing documents, and resource manuals used during emergency operations.
  - Perform assigned duties according to State General Statutes and local ordinances.
  - Develop plans in accordance with Federal and State guidelines.
  - Coordinate emergency operations within the jurisdiction. Provide support services to municipalities.
  - Maintain current notification and recall lists of operational personnel.
  - Provide for the training of emergency personnel within the Emergency Management Department.
  - Maintain and update a current list of resources in the county.
  - Receive and coordinate requests for resources from municipalities and direct resources to areas of greatest need.
  - Coordinate with private industry for use of privately owned resources.
  - Forward requests for additional resources to the Eastern Branch Office, NC Division of Emergency Management, for situations in which county resources are unable to meet response or recovery requirements.
  - Alert and activate county emergency services when informed of an impending emergency.
  - Serve as a member of the Local Emergency Planning Committee (LEPC) as defined by SARA Title III planning requirements.
  - Coordinate emergency response activities with neighboring jurisdictions.
  - Serve as the principal advisor to the executive control groups during emergency operations.
  - Maintain operational readiness of county shelters when needed.
  - Coordinate emergency shelter openings with DSS, Health Department, Pender County School System and American Red Cross.
  - Maintain liaison with utility company representatives for back-up water, power and telephone communications, if required.
  - Ensure that required documentation is maintained during an emergency period.
  - Ensure adequate warnings are disseminated throughout the emergency organization and the county.

- Assist with notification of applicants that may be eligible for Public Assistance Programs, as needed.
- Ensure that the public is educated through public awareness programs concerning the various hazards in the area, and the need to be self-sufficient for a period of three days. Coordinate with PIO.
- Support the LEPC in maintaining liaison with facility emergency coordinators to ensure availability of current information concerning hazardous materials and the correct response to any incident.
- Coordinate response with law enforcement regarding explosive ordinances and terrorist events.
- Review written plans submitted annually by various agencies and departments.
- Maintain portable generators and lighting capacity for emergency operations.

- **Public Information Officer**

  - Maintain current inventories of public information resources on hazards/disasters affecting county.
  - Prepare procedures, memorandums of understanding, standard operating guidelines, and mutual aid agreements to coordinate public information services during disasters.
  - Coordinate, with the Emergency Management Director's approval, the release of all media advisories and news releases for county departments during emergency situations.
  - Provide for citizen information and issuance of emergency instructions.
  - Offer emergency information for non-English speaking and hearing-impaired groups.
  - Assist in activation of the Emergency Alert System (EAS) and cable interrupt systems, when appropriate and with the Emergency Management Director or his/her designee's concurrence.
  - Inform citizens and visitors of evacuation orders, recommended protective actions, flooded areas, impediments to movement and other hazards.
  - Monitor print and electronic media outlets for accuracy of information and secure correction of misleading information.
  - Conduct staff and public education efforts throughout the year.
  - Coordinate the access of media representatives to public officials.
  - Handle media inquiries.
  - Provide feedback to EOC staff personnel on citizens' complaints and concerns.
  - Coordinate with 911 center to determine citizens' observations, complaints, concerns, etc.
  - Provide a schedule for media briefings.
  - Maintain up-to-date phone, fax and email contact lists for release of information to local media contacts.

- **Sheriff's Office**

    - Develop and maintain SOGs to direct and control law enforcement operations during emergencies/disasters.
    - Provide direction and control for law enforcement, traffic control, evacuations and re-entry.
    - Identify law enforcement assistance needs and develop necessary mutual aid agreements to support those needs.
    - Provide security and staffing for the EOC, staging areas, shelters, vital facilities and essential equipment locations.
    - Assist in dissemination of emergency public information and warnings to the public, including hearing impaired persons.
    - Control ingress and egress into damaged, evacuated and secured areas and facilities.
    - Relocate and house prisoners when necessary.
    - Coordinate the need for additional law enforcement support with State Highway Patrol and adjacent jurisdictions.
    - Develop procedures to ensure that law enforcement personnel can respond at the awareness level for Hazardous Material Incidents.
    - Coordinate the release of all public information/instructions with the county public information officer.
    - Coordinate actions with municipal police departments to ensure continuity of operations.
    - Coordinate animal control service and facilities. Prepare for and staff Pet Shelters in cooperation with Emergency Management.
    - Serve as the lead agency for animal control issues.
    - Manage fixed site communications and 800 MHz system.

- **Social Services Department**

    - Develop, maintain and revise SOGs for Social Services operations during emergency/disaster periods.
    - Coordinate emergency shelter openings with Emergency Management, Health Department, Pender County School System and American Red Cross.
    - Provide shelter managers, supplies and other support personnel during sheltering periods, if required.
    - Coordinate transition of emergency shelter operations with American Red Cross.
    - Coordinate with adult care homes in developing evacuation or shelter-in-place care plans.

- **Health Department**

    - Develop, maintain and revise SOGs for emergency public health operations during emergencies.

- Coordinate health care for emergency shelters and mass care facilities with Department of Social Services, Emergency Management, and the American Red Cross (when shelters are opened).
- Provide health inspections and immunizations to evaluate, detect, prevent or control communicable disease.
- Coordinate environmental public health activities for waste disposal, refuse, food safety, water, sanitation, restaurants and vector/vermin control in the county.
- Provide inspection of mass care facilities, to assure proper sanitation practices.
- Coordinate with the proper authorities to establish a temporary morgue, or if necessary, expand morgue services.
- Coordinate with Social Services Department to ensure that crisis counselors are available in disaster assistance centers, shelter area, crisis line activities and for support staff, if needed.
- Coordinate the distribution of exposure limiting drugs, medicines, vaccines, or other preventative measures, when required.
- Provide water testing services.
- Identify transportation and sheltering for residents on the Special Needs Registry.
- Coordinate with adult care homes in developing evacuation or shelter-in-place care plans.

- **Pender County Utilities**

  - Coordinate and conduct repair and restoration of water distribution and wastewater collection systems to PCU customers.
  - Develop and maintain resource lists with source, location and availability of equipment, fuel, and operational personnel to support response/recovery operations of PCU owned water, wastewater, and utility services.
  - Identify manpower and equipment limitations and provide for resources to cover these shortfalls.
  - Maintain emergency power, water, and sanitation services at PCU critical facilities during periods of emergencies.
  - Terminate non-essential services and re-deploy personnel and equipment resources to areas of greatest need.
  - Develop procedures, guidelines, or memorandums of understanding with the Emergency Management Department and the NCWaterWARN Mutual Aid Agreement to utilize excess resources to support recovery operations in the county. Coordinate activities with the county Emergency Management Department.

- **Superintendent, Pender County Schools**

  - Develop, maintain and revise SOGs for the safety and protection of students, facility, and other personnel during emergency situations.
  - Coordinate evacuation and transportation operations for students during emergencies.

- Provide support personnel, equipment, and facilities as necessary (schools, bus drivers, cafeteria personnel, and other equipment, etc.).
- Provide support personnel to the EOC during activation, if requested.
- Provide school facilities for temporary shelters, as needed.
- Maintain school transportation resources and provide for the refueling of these resources when necessary.
- During recovery period, conduct damage assessment on school properties and report to the county Emergency Management Director.
- Assist with standby generator connections and refueling if needed.

- **Pender Memorial Hospital**

  - Develop, maintain, and revise SOGs for rescue/mass casualty activities during emergency/disaster situations.
  - Maintain mass casualty response support forces and supplies.
  - Identify equipment, manpower limitations, and develop mutual aid agreements for the procurement of needed resources during emergency/disaster events.
  - Coordinate with area hospitals (outside the county) concerning the receipt of mass causalities during emergency/disaster situations.
  - Coordinate with appropriate health care agencies to determine their needs for transporting patients.
  - Review procedures for recovery, identification, registration, and disposition of deceased. Assist with notification of next of kin, when requested.
  - Coordinate, when appropriate, with funeral homes, pathologists, ARC liaison, dentists, and other health care professionals.
  - Establish liaison with medical facilities and coordinate with receiving facilities; maintain field communications with other response groups.
  - Support community drills and exercises whenever possible.

- **EMS and Fire Departments**

  - Develop, maintain and review SOGs for the coordination of firefighting, rescue and EMS activities during disasters/emergencies.
  - Plan for the coordination of firefighting, rescue, and EMS operations throughout the county.
  - Assist with dissemination of warning instructions.
  - Assist with firefighting operations with N.C. Forestry for wildfire activities.
  - Provide for the relocation of firefighting equipment, as needed.
  - Assist with the identification of staging areas for firefighting resources coming into county, when appropriate.
  - Request additional firefighting resources from state, when appropriate, through the county EOC.
  - Support community drills and exercises whenever possible.
  - Assist in basic search and rescue operations during emergency/disaster situations.

- **Cooperative Extension**

    - Provide support to the EOC, when requested.
    - Provide information to farmers and livestock owners.
    - Make departmental facilities and staff available when needed.

- **County Attorney**

    - Assist with the emergency legal matters and contracts pertaining to evacuations, recovery, and purchase of goods and services.
    - Participate in after action review of department operations.

- **Facilities and Fleet Services**

    - Provide housekeeping and maintenance support for activation of the EOC.
    - Obtain equipment and personnel for emergency measures as required to support the EOC.
    - Secure county facilities in preparation for pre-emergency/post-emergency events.
    - Compile report on damages to county owned property and deliver to Emergency Management.
    - Coordinate the repair/replacement of county owned vital facilities following a disaster.
    - Provide 24-hour maintenance support for county vehicles.
    - Provide fuel service arrangements for all county public safety agencies.
    - Provide maintenance service and distribution of back-up generators in coordination with Emergency Management.
    - Provide emergency replacement or repairs of county owned motor vehicles during and following disaster/emergency.
    - Have backup vehicle and equipment repair services including on-site tire inventory and on-site tire repair.
    - Provide spare vehicles for EOC use.
    - Maintain basic repair capability during power outages.
    - Plan for energy emergencies, including fuel shortages.

- **Clerk of Superior Court**

    - Notify judicial officials, when requested by the EOC.
    - Coordinate court closures and re-openings.
    - Secure and provide protection for on-site and off-site records.

- **Municipal Officials**

    - Ensure coordinated policy and public information dissemination in conjunction with the county and Emergency Management Director.

- Utilize municipal personnel, facilities, and equipment resources to support the Pender County Emergency Operations Plan, not to conflict with municipal requirements.
- Assess the needs of the municipality and request resources through the Emergency Management Director via its EOC representative.
- Enforce provisions of local ordinances relating to disasters/emergencies as well as NC General Statutes.
- Declare a State of Emergency for the municipality in coordination with the County and other municipalities and ensure enforcement.
- Ensure protection of life and property within the municipality.
- Conduct damage assessment surveys utilizing municipal officials within municipal limits. Provide for training of damage assessment teams on a regular basis.
- Coordinate development of internal, interdepartmental, and interagency Standard Operating Procedures and memorandums of understanding.
- Participate in drills and emergency exercises are conducted periodically to test the Emergency Operations Plan.
- Coordinate policy making functions necessary to ensure public health and safety within the municipal borders.
- Make available municipal resources, as appropriate, in response to resource requests from other agencies.
- Implement emergency policies, procedures, and ordinances as appropriate for the governing body.

- **Amateur Radio Operators**

  - Provide a liaison to the Pender County EOC during emergency activation.
  - Transmit/receive emergency traffic as necessary during disasters.
  - Disassemble and relocate radio equipment to alternate locations, if necessary.
  - Maintain message log for all traffic.
  - Support post disaster emergency communications requirements, if needed.
  - Provide weather and spotter information to the Emergency Management department.
  - Provide operators in all public shelters, when requested.

- **American Red Cross Liaison**

  - Coordinate activities with the Emergency Management Director, Social Services Director and Health Director in providing shelter/mass care services.
  - Provide support personnel as requested for shelter/mass care operations.
  - Survey shelters to make sure they are compliant with Americans with Disabilities Act (ADA) and coordinate with other agencies for mass feeding services.
  - Assume control of shelters from Pender County Department of Social Services as soon as appropriate (typically within 72 hours) after an event.
  - Provide training for shelter staff in support of shelter operations.

APPENDICES

Appendix A- Emergency Management Ordinance

Appendix B- State of Emergency- Sample Resolution

Appendix C- NC General Statutes for Emergency Management

Appendix D- EOC Job Aids

ANNEXES
(Not for public dissemination unless otherwise specified)

Pender County Ingestion Pathway Zone Emergency Plan

Pender County Hurricane Response Plan

Pender County Emergency Management Standard Operating Guidelines

Pender County Disaster Medical Support Registry Plan

Pender County Crisis Communications Plan

Pender County Emergency Staffing Plan

Southeastern NC Regional Hazard Mitigation Plan (Public dissemination permitted)

A

Pender County
Request for Board action

TO:	Board of County Commissioners
FROM:	Alan Cutler
DATE:	November 15, 2021
SUBJECT:	Approval of Purchase Order to Fairway Ford for the purchase of 2022 Ford F150 truck for Animal Control Division in the amount of $30,960.00.

SUMMARY:
Pender County Sheriff's Office is requesting the approval of a Purchase Order to purchase a 2022 Ford F150 super crew 4X4 truck for the Animal Control Division to replace the oldest existing truck. This truck will be purchased from Fairway Ford in Burgaw at North Carolina Sheriff's Association pricing in the amount of $30,960.00. This price also includes the outfitting of the equipment needed in the truck including but not limited to the strobe lights, computer stand, mobile radio mount, etc.

These funds will come from account 510-407403.

ACTION REQUESTED:
Approval of Purchase Order to Fairway Ford for the purchase of 2022 Ford F150 truck for Animal Control Division in the amount of $30,960.00.

Fairway Ford, Inc.

444 US Highway 117 South
PO Box 959
Burgaw, NC 28425

October 22, 2021

Keith Ramsey,

The quote you requested for the 2022 Ford F150 is below.

2022 Ford F150 SC 4X4 with options as per your request:

- (995) 5.0L V8
- (18B) Black Platform Running Boards
- (50S) Cruise Control
- (53B) Class IV Hitch
- (85A) Power Equipment Group
- 8 Amber / White strobes installed. (4 in front grill, 2 back glass, & 2 rear side ext. doors)

State Contract / GPC Price: $25,771.00

Options: $3,499.00

Strobes: $1690.00

Net Total: $30,960.00

Please do not hesitate to contact me if you have any questions or need any further details.

Respectfully Submitted,

Keith Batson
Financial Services Manager
Fairway Ford, Inc.
Burgaw, NC
Phone: (910) 259-2371
Fax: (910) 259-9638

Pender County
Reappointment to the Pender County Jury Commission

TO:	Board of County Commissioners
FROM:	Tera Cline
DATE:	November 15, 2021
SUBJECT:	Approval of Reappointment to the Pender County Jury Commission

SUMMARY:
The County Clerk advertises vacancies on boards, commissions, committees, tasks forces, etc. The County Clerk serves only clearinghouse functions with respect to the appointment process; no influence is exerted in this role. Commissioners are welcome to recruit applicants, or citizens may apply of their own free will.

Bill James Jr is applying for reappointment to the Pender County Jury Commission. Application is attached for the Board's review. If approved, this appointment will be for 2 years and expire September 1, 2023.

ACTION REQUESTED:
Approval of an Reappointment to the Pender County Jury Commission

PO BOX 310
BURGAW, NC 28425
PHONE 910-663-3900
FAX 910-663-3901

PENDER COUNTY CLERK OF SUPERIOR COURT

Fax

To: Melissa Long
From: Joy James
Fax: 910-259-1402
Pages: 3 including cover
Phone:
Date: 12-3-19
Re: Application
CC: ph# 910-663-3960

☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

• Comments:

PENDER COUNTY

Application for Appointment to Boards/Commissions/Committees

Appointees to Pender County Boards/Commissions/Committees must be a Pender County resident and must be at least 18 years of age. Please complete this application and return to: Pender County Manager's Office, PO Box 5, Burgaw, NC 28425.

APPLICANT INFORMATION

Last Name: James Jr	First: Bill	M.I.	Date: 12-3-19
Physical Address: 3160 Murray Town Rd			Apartment/Unit #
City: Burgaw	State: NC		ZIP: 28425
Mailing Address (If different from above)			
City	State		ZIP
Home Phone: 910-604-0823	Work Phone		E-mail Address 1: wcjamesj@gmail.
Fax Number			E-mail Address 2
Board Interest(s)			
How long have you been a resident of Pender County? 64 yrs			

EDUCATION

High School: Pender Academy					Location: Rocky Point NC		
From: '70	To: '74	Did you graduate?			YES: ✓	NO:	
College: UNC-W					Location: Wilmington NC		
From: '74	To: '79	Did you graduate?			YES: ✓	NO:	Degree: Business
Other					Location		
From	To	Did you graduate?			YES:	NO:	Degree

EMPLOYMENT HISTORY

Current Employment	River Landing Golf Course	Job Title: Golf Cart Attendant
Responsibilities		
Previous Employment	Campbell Oil Co	Job Title: Manager
Previous Employment		Job Title
Previous Employment		Job Title

COMMUNITY INVOLVEMENT

Please list current and past membership in civic or other organizations and offices held:

Pender County
Application for Appointment to Boards/Commissions/Committees
Revised 12/2010

Have you ever served or are you currently a member of any Pender County or other local government board/commission/committee?

YES	NO	If yes, explain (including length of service).
☐	☑	

State reasons why you feel qualified for this appointment(s):
Life-long resident

MILITARY SERVICE

Branch	From	To
Rank at Discharge	Type of Discharge (optional)	

CONFLICTS OF INTEREST

Are you aware of any legal, ethical or personal conflict of interest by serving as a member of this Pender County board/commission/committee?

YES	NO	If yes, explain.
☐	☑	

Are you or any member of your family employed by Pender County, or currently serving on any Boards/Committee/Commission appointed by or affiliated with Pender County?

YES	NO	If yes, list family member name(s) and position/board or committee(s).
☐	☑	

Please add any additional information you would like to share supporting your interest and qualifications for this appointment.

DISCLAIMER AND SIGNATURE

NOTE: This information will be used by the Pender County Board of Commissioners in making appointments to Pender County Boards/Commissions/Committees. In the event you are appointed, it may be used as a news release to identify you to the community. This application is considered a public record.

Signature	Date
Bill Jones Jr	12-3-19

Pender County
Request for Board Action

TO:	Board of Rocky Point/Topsail Water and Sewer District
FROM:	Kenneth Keel
DATE:	November 15, 2021
SUBJECT:	Resolution Accepting the Deed of Dedication of water distribution system for Carolina Creek Phase 3

SUMMARY:
The water system improvements for the development of Carolina Creek Phase 3 has been completed and approved by NCDEQ and Pender County Utilities. The official dedication of these improvements is provided in the attached documents to be recorded upon the Board's approval.

ACTION REQUESTED:
Approve resolution accepting the Deed of Dedication of water distribution system for Carolina Creek Phase 3.

ATTACHMENTS:
Resolution
Deed of Dedication & Affidavit for Carolina Creek Phase 3

Board of Commissioners
George R. Brown, Jr., Chairman
Archibald "Fred" McCoy, Vice Chairman
Jaqueline A. (Jackie) Newton
David A. Piepmeyer
J. David Williams, Jr.

PENDER COUNTY NC

County Manager
Chad McEwen
County Attorney
Carl W. "Trey" Thurman, III
Clerk to the Board
Tera Cline

Resolution Accepting the Deed of Dedication for the Conveyance of Title to the Water Distribution System Properly Installed to Serve Carolina Creek Phase 3

WHEREAS, In accordance with the Pender County Water and Sewer Ordinance, Article XII, Subsection II, 5.a: submission of a Deed of Dedication is required for acceptance of any new water and/or sewer extensions constructed to serve any structure within a subdivision prior to the commencement of water and/or sewer service by the District; and

WHEREAS, With acceptance of these improvements, the conveyance of title to these infrastructure improvements will occur and the District will become responsible for the permanent maintenance of these improvements at the conclusion of the contractor's warranty period; and

WHEREAS, Staff is recommending acceptance of the respective project infrastructure improvements as follows:

- Carolina Creek, Phase 3 – 1,120 LF 8" watermain, hydrants, valves, and related water appurtenances along Bowman Field Circle and Sandalwood Court.

WHEREAS, All of the above improvements have been inspected, engineer certified, and issued Final Approval by the NCDEQ – Public Water Supply Section.

NOW, THEREFORE BE IT RESOLVED by the Board of Directors of the Rocky Point/Topsail Water and Sewer District a resolution accepting the Deed of Dedications and Affidavits for the Water Distribution improvements installed to serve Carolina Creek Phase 3.

Adopted this 15th day of November 2021.

_____
George R. Brown, Jr., Chairman
Board of Rocky Point/Topsail Water & Sewer District

ATTEST:

_____
Tera Cline
Clerk to the Board

DEED OF DEDICATION

STATE OF NORTH CAROLINA

COUNTY OF PENDER

THIS DEED OF DEDICATION, made and entered into this the _____ day of _____, 2021, by and between BILL CLARK HOMES OF WILMINGTON, LLC, of New Hanover County, North Carolina, party of the first part, hereinafter referred to as "Owner", and ROCKY POINT/TOPSAIL WATER AND SEWER DISTRICT, a municipal corporation duly created and existing under the laws of the State of North Carolina, party of the second part, hereinafter referred to as Grantee;

W I T N E S S E T H:

That whereas BILL CLARK HOMES OF WILMINGTON, LLC is the owner of a tract or parcel located in , Pender County, North Carolina, known as Carolina Creek, Phase 3 as described on a plat recorded in Map Book 68 at pages 94-95, (hereinafter collectively "the Development");

And whereas Owner has caused to be installed water distribution lines under and along the road rights-of-way hereinafter described and referenced;

And whereas Owner wishes to obtain water from Grantee for the property and to make water from Grantee's system available to individual owners;

And whereas, in order to obtain water for said community subdivision, Owner must convey title to the water distribution system to Grantee through an instrument of dedication acceptable to Grantee;

NOW THEREFORE, Owner, in consideration of Grantee accepting said water lines and making water available to said community subdivision, does hereby convey to Grantee, its lawful successors and assigns, the following described property;

ALL of that Water Distribution System located under, along and within the property described as Carolina Creek, Phase 3, as shown on that plat recorded in Map Book 68 at Pages 94-95 of the Pender County Registry.

TO HAVE AND TO HOLD said water lines and equipment above described together with the privileges and appurtenances thereto belonging to Grantee forever.

Together with non-exclusive easements over, along and upon the entire area of the streets, cul-de-sacs and rights of way depicted on the maps and serving the areas referenced above for purposes of entry into the subdivision for maintenance, repair and upkeep of the water distribution systems and for connecting the same to the individual lots developed or to be developed lying adjacent to said streets, cul-de-sacs and rights of way, reserving unto Owners, its successors and assigns, equal rights of easement and easement over, in, along, and upon said streets and cul-de-sacs for purposes of installing and maintaining such utilities as may be required for the development of said subdivision, including, but not limited to, electric, gas, telephone, cable and sewer.

And Owner does hereby covenant that it is seized of said water lines and equipment described above in fee simple and has the right to convey the same in fee simple, that the same are free and clear of encumbrances, and that it will warrant and defend the title to the same against all persons whomsoever.

IN WITNESS WHEREOF, the Grantor [Owner] has caused this instrument to be duly executed, the day and year first above written.

Bill Clark Homes of Wilmington, LLC

By: _____(SEAL)
Edward H. Clark, Manager

By: _____(SEAL)
Cheryl Blanton, Manager

STATE OF NORTH CAROLINA
COUNTY OF PENDER

I, Tracy Sholders, a Notary Public of **Pender County, North Carolina**, do hereby certify that **Edward H. Clark** and **Cheryl Blanton** personally appeared before me this day and acknowledged that they are managers of **Bill Clark Homes of Wilmington, LLC**, a North Carolina limited liability company, and being authorized to do so, as Managers of the limited liability company, executed the foregoing instrument on behalf of the limited liability company.

Witness my hand and official seal on this date shown.

Tracy Sholders Date: September 7, 2021
Notary Public

My Commission Expires: August 19, 2025

TRACY SHOLDERS NOTARY PUBLIC PENDER COUNTY, NC My Commission Expires 08-19-25

ACCEPTANCE OF DEED

This Deed of Dedication and accompanying Affidavit for Bill Clark Homes of Wilmington, LLC was accepted by the Pender County Board of Commissioners on the _____ day of _____, 2021.

Pender County Board of Commissioners

_____

_____(Chairman)

_____

~~Melissa Pedersen~~ Tera Cline
~~Deputy~~ Clerk to the Board

AFFIDAVIT

STATE OF NORTH CAROLINA

COUNTY OF PENDER

Bill Clark Homes of Wilmington, LLC a North Carolina limited liability company, with an office and place of business in New Hanover County, North Carolina, hereinafter referred to as Affiant, being first duly sworn, hereby deposes and says under oath as follows:

1. That it is the owner of certain property located in Topsail Township, Pender County, North Carolina, known as Carolina Creek Subdivision, Phase 3, containing lots numbering 39 thru 55, and Lots 108 thru 115, as more particularly described in a Deed of Dedication in favor of Pender County of even date wherewith.

2. That it has caused to be installed water distribution lines under and along the road right-of-ways of the property hereinafter described and referenced;

   Carolina Creek, Phase 3, as shown on that plat recorded in Map Book 68 at Pages 94-95 of the Pender County Registry.

3. All the work which has been performed in the construction and installation of said water distribution lines described in paragraph 2, above, has been fully paid for an there are now no liens of any kind including any lien for labor or material against the subdivision property which would in any way jeopardize title of Affiant to the property in said subdivision nor are there any legal actions pending against Affiant or any contractor arising out of any work performed in said subdivision or the water

lines installed therein which would in any way jeopardize title to the subdivision or the water distribution system located therein.

IN WITNESS WHEREOF, the Affiant has caused this instrument to be duly executed by its authorized officer(s) this 7th day of September, 2021.

Bill Clark Homes of Wilmington, LLC

By: _____(SEAL)
Edward H. Clark, Manager

By: _____(SEAL)
Cheryl Blanton, Manager

STATE OF NORTH CAROLINA
COUNTY OF PENDER

I, Tracy Sholders, a Notary Public of **Pender County, North Carolina**, do hereby certify that **Edward H. Clark** and **Cheryl Blanton** personally appeared before me this day and acknowledged that they are managers of **Bill Clark Homes of Wilmington, LLC**, a North Carolina limited liability company, and being authorized to do so, as Managers of the limited liability company, executed the foregoing instrument on behalf of the limited liability company.

Witness my hand and official seal on this date shown.

_____ Date: September 7, 2021
Notary Public

My Commission Expires: August 19, 2025

TRACY SHOLDERS NOTARY PUBLIC PENDER COUNTY, NC My Commission Expires 08-19-25

Pender County
REZONE 2020-16

TO:	Board of County Commissioners
FROM:	Travis Henley
DATE:	November 15, 2021
SUBJECT:	Resolution Requesting Approval of Conditional Zoning Map Amendment for three (3) tracts totaling approximately ±301.09 acres from RP, Residential Performance and RA, Rural Agricultural zoning districts to PD-CD1, Planned Development Conditional zoning district 1.

SUMMARY:
Stroud Engineering, applicant, on behalf of Rocky Point Properties LLC and Farm and Garden LLC, owners, is requesting the approval of a Conditional Zoning Map Amendment for three (3) tracts totaling approximately ±301.09 acres from RP, Residential Performance and RA, Rural Agricultural zoning districts to PD-CD1, Planned Development Conditional zoning district 1. This request is to allow for 750 single family detached residential units, associated sewage treatment facility (NAICS 221320), and a farmers' market (NAICS 445230). The proposed development is south of NC HWY 210, approximately ±0.03 miles east of the intersection of NC HWY 210 and Balcombe Rd (SR 1425), and west of US HWY 117 in the Rocky Point Township and may be further identified by Pender County PINs 3234- 29-6506-0000, 3234-38-5366-0000, and 3234-24-6900-0000.

ACTION REQUESTED:
To Hold a Public Hearing and Consider the Approval of a Zoning Map Amendment from RP, Residential Performance zoning district and RA, Rural Agricultural zoning district to PD-CD1, Planned Development Conditional zoning district 1.

PLANNING STAFF REPORT ADDENDUM
CONDITIONAL ZONING MAP AMENDMENT
"FALLS MIST GARDENS"

SUMMARY

Hearing Date:	October 6, 2020 Planning Board (tabled) November 5, 2020 Planning Board January 19, 2021 Board of Commissioners (tabled) November 15, 2021 Board of Commissioners
Applicant:	Stroud Engineering
Property Owners:	Rocky Point Properties LLC, Farm and Garden LLC
Case Number:	REZONE 2020-16, MDP 2020-21

Rezoning and Development Proposal: Stroud Engineering, applicant, on behalf of Rocky Point Properties LLC and Farm and Garden LLC, owners, is requesting the approval of a Conditional Zoning Map Amendment for three (3) tracts totaling approximately ±301.09 acres from RP, Residential Performance and RA, Rural Agricultural zoning districts to PD-CD1, Planned Development Conditional zoning district 1. This request is to allow for 750 single family detached residential units, associated sewage treatment facility (NAICS 221320), and a farmers' market (NAICS 445230).

Property Record Number, Acreage, and Location: The proposed development is south of NC HWY 210, approximately ±0.03 miles east of the intersection of NC HWY 210 and Balcombe Rd (SR 1425), and west of US HWY 117 in the Rocky Point Township and may be further identified by Pender County PINs 3234-29-6506-0000, 3234-38-5366-0000, and 3234-24-6900-0000.

Recommendation: At their November 5, 2020 meeting, the Pender County Planning Board recommended conditional approval of this application based on its consistency with the Pender County Unified Development Ordinance and Pender 2.0 Comprehensive Land Use Plan, with Staff still recommending approval as well. The proposed development is consistent with three (3) goals, two (2) objectives, and six (6) policies and the Future Land Use Map in the Pender 2.0 Comprehensive Land Use Plan, and conflicts with none. The proposed development is compliant with the Pender County Unified Development Ordinance.

PROJECT HISTORY AND UPDATE

At their January 19, 2021 meeting, the Pender County Board of County Commissioners tabled the request outlined in the subsequent packet, directing the applicant to further study traffic impacts brought forward by the project, specifically differing options for phasing the connection and usage of the existing Fall Brook Lane as an entrance to the proposed development, the potential non-residential uses on commercial property located at the intersection of Fall Brook Lane and US HWY 117, and the sight lines and distance of Fall Brook Lane/US HWY 117 intersection to the bridge over the former railroad right-of-way.

Based on the direction from the Board of County Commissioners, the applicant has concluded the entirety of their Traffic Impact Analysis (TIA) and will present those findings to the Board. Additionally, there has been one change to the layout of the project since the previous Board meeting: the extension of Fall Brook Lane into the proposed development is no longer proposed to be designed as a collector street, but as a local street. This is in reference to the recently adopted update to the Pender County Collector Street Plan which no longer designates the corridor as one for a collector street. The connection to Fall Brook Lane is

still required due to other regulations within the Unified Development Ordinance relating to street design as well as emergency vehicle access.

As a reminder, this project was submitted, and review started, prior to the approval of Zoning Text Amendment 2020-11 which revised certain items related to conditional rezoning applications. For consistency, all ordinance references are to the UDO as amended 3/16/2020 – the last revision date prior to the approval of ZTA 2020-11 unless noted. Based on staff evaluation, the only material difference if reviewed under the new version is that the project density would likely be lower under the new calculation.

CONDITIONS FOR APPROVAL OF PETITION

Per Sections 3.4.5 and 4.13.6 of the Pender County Unified Development Ordinance, the Pender County Planning Board and the Board of County Commissioners can add reasonable and appropriate conditions based on mutually established goals with the Applicant and adjacent property owners. Conditions may address parking areas and driveways, pedestrian and vehicular circulation systems, screening and buffer areas, the timing of development, street and right-of-way improvements, water and sewer improvements, stormwater drainage, the provision of open space, and other matters that the participants in the public input meeting, staff, Planning Board and County Commission find appropriate or the petitioner may propose.

Staff, the applicant, and the Pender County Planning Board have previously collaborated to reach agreement on the following potential conditions of approval for this application:

1. The project shall be designed so that the post development runoff from the project be no more than ten (10) percent more than the pre- development runoff for the 10, 25, and 50 year return period events and be analyzed for the 100-year event.
2. All wetlands which will not be disturbed via an Army Corps of Engineers wetlands fill permit as part of the proposed development shall be placed under a conservation easement.
3. Informational signs to be installed at 500 ft intervals along all delineated wetland boundaries within platted open space, and to be maintained by the HOA and replaced as necessary. The applicant shall include this provision in the recorded covenants and restrictions for the development in perpetuity.
4. Sidewalks will be installed along all streets, and crosswalks will be marked at all intersections with a Collector Street.
5. Fall Brook Ln will be accepted for NCDOT maintenance prior to preliminary plat approval of the 601st lot of this development, preliminary plat approval of any portion of the development within the boundary of Tract 2 as shown on Pender County Map Book 42 P 116, or use of Fall Brook Ln for construction traffic, whichever shall come first.
6. A siren-activated gate meeting the standards of the Pender County Fire Marshal will be required at the border of the development and the existing A.R. Black Av., to be installed prior to final plat approval of the appropriate section, and be required to remain in place until such time as A.R. Black Av. Is brought up to the street design standards of the Pender County Unified Development Ordinance.
7. The wastewater treatment plant shall utilize membrane filtration technology, or other technology certified by the project engineer to render no greater negative impact to local water quality than membrane filtration.
8. Evidence that the Army Corps of Engineers has received any Certificate of Completion forms for wetland disturbance permits relating to the project shall be provided to staff prior to approval of the last Final Plat associated with this development.

9. Prior to completing the roadway connection between Fall Brook and the proposed development, A measure similar to a chicane that is acceptable to the NCDOT and Pender County Emergency Services shall be installed within the proposed development near the interconnection with Fall Brook, as well as at least one additional traffic calming measure along Fall Brook that is acceptable to NCDOT. The applicant shall also make a written request to the North Carolina Department of Transportation that a speed limit of 25 MPH should be posted on Fall Brook Ln.

Additionally, a tenth condition was discussed at the January 19, 2021 hearing and is again up for discussion at the November 15, 2021 meeting:

10. From the time that the road network of this development connects to Fall Brook Lane, to the time that the 700th home receives its Certificate of Occupancy, a gate shall be placed on the roadway between the two developments to allow only residents of Falls Mist and emergency vehicle traffic (siren activated) to utilize the connection. Means of access for construction vehicles shall not be granted. Following the Certificate of Occupancy for the 700th home, the gate shall be removed.

PLANNING STAFF REPORT
CONDITIONAL ZONING MAP AMENDMENT
"FALLS MIST GARDENS"

SUMMARY

Hearing Date:	October 6, 2020 Planning Board (tabled) November 5, 2020 Planning Board January 19, 2020 Board of Commissioners
Applicant:	Stroud Engineering
Property Owners:	Rocky Point Properties LLC, Farm and Garden LLC
Case Number:	REZONE 2020-16, MDP 2020-21

Rezoning and Development Proposal: Stroud Engineering, applicant, on behalf of Rocky Point Properties LLC and Farm and Garden LLC, owners, is requesting the approval of a Conditional Zoning Map Amendment for three (3) tracts totaling approximately ±301.09 acres from RP, Residential Performance and RA, Rural Agricultural zoning districts to PD-CD1, Planned Development Conditional zoning district 1. This request is to allow for 750 single family detached residential units, associated sewage treatment facility (NAICS 221320), and a farmers' market (NAICS 445230).

Property Record Number, Acreage, and Location: The proposed development is south of NC HWY 210, approximately ±0.03 miles east of the intersection of NC HWY 210 and Balcombe Rd (SR 1425), and west of US HWY 117 in the Rocky Point Township and may be further identified by Pender County PINs 3234-29-6506-0000, 3234-38-5366-0000, and 3234-24-6900-0000.

Recommendation: At their November 5, 2020 meeting, the Pender County Planning Board recommended conditional approval of this application based on its consistency with the Pender County Unified Development Ordinance and Pender 2.0 Comprehensive Land Use Plan, with Staff also recommending approval. The proposed development is consistent with three (3) goals, two (2) objectives, and six (6) policies and the Future Land Use Map in the Pender 2.0 Comprehensive Land Use Plan, and conflicts with none. The proposed development is compliant with the Pender County Unified Development Ordinance.

PROCESS

Staff are providing a brief overview of the review process for this project as it relates to the Unified Development Ordinance due to its relative complexity, as well as a recently-approved text amendment which alters the review process for the proposal.

Submittals Included in This Report

Conditional Rezoning

The Conditional Rezoning process is intended for a development that has a high level of certainty of being constructed and the most commonly expected application will contain a specified use or uses, permitted by right or special use, on small and large-scale projects. A conditional rezoning is designed to provide more certainty for Pender County and for nearby residents as to which uses can be expected in a development proposal and which uses will not be present. Conditional zoning districts must be considered by the Planning Board for a recommendation and then approved by the Board of County Commissioners.

Note: This project was submitted, and review started, prior to the approval of Zoning Text Amendment 2020-11 which revised certain items related to conditional rezoning applications. For consistency, all ordinance references are to the UDO as amended 3/16/2020 – the last revision date prior to the approval of ZTA 2020-11 unless noted. Based on staff evaluation, the only material difference if reviewed under the new version is that the project density would likely be lower under the new calculation.

The Conditional Rezoning process differs from a General Use Rezoning in its inclusion of requirements to go before the Technical Review Committee (TRC) for specific site plan review and its requirement of the applicant to hold a public meeting to address any community concerns. Reports from both TRC and the public meeting shall be submitted to Pender County. These comments are provided as attachments to this report and are also discussed in the "Public Input Meeting" and "Technical Review Committee Comments" sections in this report. Applicants provide a generalized sketch plan illustrating a broad overview of their concept.

Master Development Plan
A more detailed document than the sketch plan required at the time of conditional rezoning, a Master Development Plan provides additional information regarding open space, roadway facilities, and in the case of the PD, Planned Development zoning district establishes dimensional standards (e.g. setbacks), and timing of recreational units. In the PD district, MDPs are required to be reviewed by the Planning Board in addition to staff.

In this case, the applicant has submitted their Master Development Plan as the sketch plan for the Conditional Rezoning. The Planning Board has conditionally approved the Master Development Plan for this project, contingent on Board of County Commissioners approval of this application.

Subsequent Submittals
Preliminary Plat
The Preliminary Plat is required prior to approval of land-moving activity or utility installation related to residential subdivisions. At this stage, staff require submittal of any outstanding permits required by the UDO and ensure that the specific layout to be constructed is in compliance with UDO standards along with the conditions of any previous approvals. Due to the recent passage of Zoning Text Amendment ZTA 2020-10b, Preliminary Plats conforming to an approved Master Development Plan in the PD, Planned Development zoning district would be reviewed only at the staff level rather than by the Planning Board.

Final Plat
Once the conditions of the Preliminary Plat have been met or financed through a Performance Guarantee, staff perform a site visit and if Ordinance requirements and conditions of approval have been met, the subdivision may be recorded and building permits for individual lots obtained.

Site Development Plan
Commercial projects, such as amenity sites and retail establishments, require approval of a Site Development Plan (Change of Use, Minor Site Development Plan, or Major Site Development Plan, depending on intensity). Due to the recent passage of Zoning Text Amendment ZTA 2020-10b, Major Site Development Plans conforming to an approved Master Development Plan would be reviewed only at the staff level rather than by the Planning Board. The other two types of site plans were already reviewed administratively.

PROPOSAL OVERVIEW

This project, largely consisting of single-family lots on a private sewer system, along with 65 acres of dedicated common space and a farmers' market, was submitted under the name "Falls Mist Gardens". However, the Pender County Addressing Coordinator has provided notification that the requested name is too similar to existing names. The applicant will be required to provide a new name prior to Preliminary Plat approval.

Proposed Uses

		Zoning Districts									
Use Type	**Ref NAICS**	**RA**	**RP**	**RM**	**MH**	**PD**	**GB**	**OI**	**IT**	**GI**	**EC**
RESIDENTIAL											
SFD: Detached-Conventional		P	P	P	P	**P**					
Sector 22: UTILITIES											
Sewage Treatment Facilities*	221320		S	PMD/S		**PMD/S**				P	
Except: Sewage Lift Stations*		SD	SD	PMD/S	PMD/S	**PMD/S**	D	D	D	D	
*County Owned or County Service District Provided Systems=P											
Sectors 44-45 RETAIL TRADE											
Food and Beverage Stores	445	S	S			**P**	P		P		

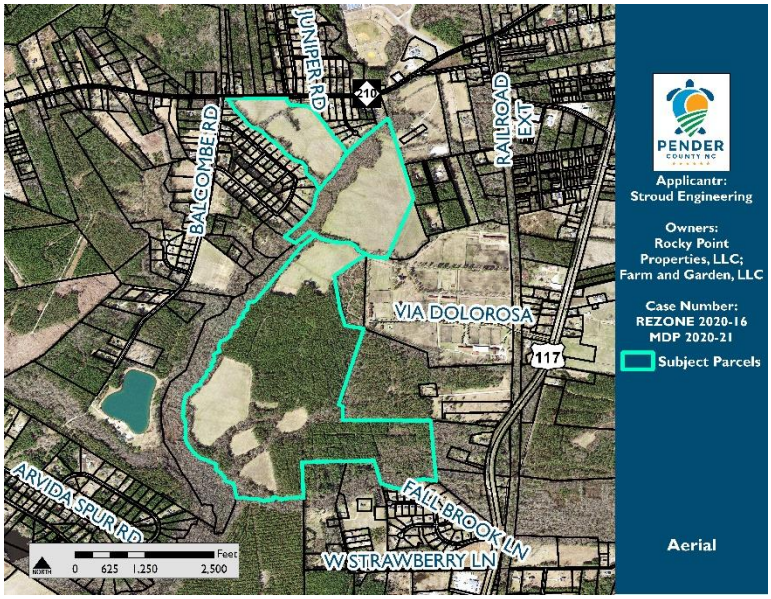
The proposed uses within the PD, Planned Development conditional zoning district 1 are to include the use of single family residential detached conventional housing, a use permitted in the PD, Planned Development zoning district. This includes all associated secondary uses that could occur within a residential subdivision, such as recreational and natural areas as well as home occupations and accessory structures commonly associated with residential uses.

Additionally, the applicant has requested approval for one acre of commercial frontage along NC Hwy 210 for the establishment of a farmers' market.

A private sewer system is proposed to serve the development, which is permitted with approval of a Master Development Plan. Any future expansion of service area to the surrounding area would require further zoning approval and associated hearing(s).

All proposed uses are permitted within the PD, Planned Development zoning district. The applicant would be required to provide all necessary permits – and adhere to all relevant review procedures and standards within the Pender County Unified Development Ordinance – to receive staff approval. All other uses or expansions will be prohibited unless an alteration is made to the approval. Any changes to the requested petition shall be processed in accordance with amendments to the zoning map and in accordance with the Pender County Unified Development Ordinance.

Density



The proposed net density of the Master Development Plan is shown in Table 1 below and calculated in accordance with Section 4.8.1.D.1 of the UDO at the time of submission, totaling approximately 3.5 units per acre. According to Section 4.8.1.D.1, the net density in the PD, Planned Development zoning district shall be a maximum of five (5) units per acre. This development proposal is thus in compliance with the density allowance in the PD district. Additionally, the proposed density conforms with the Future Land Use Map in the Pender 2.0 Comprehensive Land Use Plan. The Future Land Use Classification for these parcels is Medium Density Residential, which envisions development at a density of three to six dwelling units an acre or less.

Table 1: Density

Total Acreage	301.1
Non-Residential Acreage	9
Right-of-Way Acreage	10
Common Space Acreage	65
Total Units	750
Developable Land	216.1
Net Density	3.47

Dimensional Requirements

Per Section 4.14, Zoning District Dimensional Requirements, the setback requirements for the PD, Planned Development zoning district are to be specified on the Master Development Plan and subject to review and approval. The applicant has proposed the following dimensional requirements which are in compliance with the Unified Development Ordinance and the PD, Planned Development zoning district:

Table 2: Requested Dimensional Standards

Proposed Dimensional Standards for PD-CD1 Zoning District	Single Family Conventional Lots	Nonresidential Uses
Minimum Lot Size (in sq. ft.)	n/a	n/a
Minimum Lot Width	n/a	n/a
Minimum Front Yard	20’	50’
Minimum Side Yard	10’	10’
Minimum Corner Yard	15’	15’
Minimum Rear Yard	15’	25’
Chord	30’	50’
Maximum Building Height	35’	35’
Structure Separation	n/a	n/a

The applicant has stated that they are requesting no minimum lot size or minimum lot width in order to design the lots such that the environmental features of the property may be conserved within dedicated common open space to the greatest extent possible. Additionally, the applicant has requested that required structure separation between structures on the same lot be based on North Carolina Building Code, which varies based on the construction of the structures.

Phasing

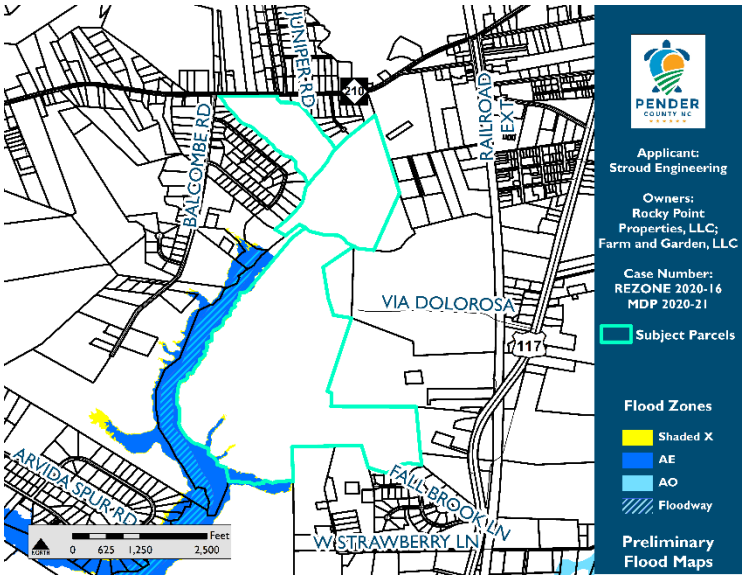
The applicant is proposing to construct the project in three phases working southward from NC Hwy 210: The first phase would consist of 300 residential lots, the wastewater treatment plant, and the farmers’ market. The second phase would consist of an additional 300 residential lots, and the third phase would consist of the final 150 residential lots.

ENVIRONMENT, LANDSCAPING AND RECREACTION

Environmental Conditions

Flood Zones

The property has limited areas in a Special Flood Hazard Area based on Map #3720322400J effective 2/16/2007. Specifically, there are small portions of AE flood zone along the southern and western boundaries with a base flood elevation ranging from approximately ±14.2 ft to ±22.3 ft. Preliminary flood maps (Map #3720322400K) indicate a slightly larger portion of the property in AE flood zone with a base flood elevation ranging from approximately ±13.8 ft to ±20.7 ft, as well as extremely limited amounts of Shaded X flood zone. The elevation contours in these portions of the property range from ±12 to ±26 ft.



Wetlands
Both the National Wetlands Inventory and North Carolina Division of Coastal Management illustrate the potential of wetlands on the property, as does the submitted Master Development Plan based on a delineation by Southern Environmental Group. No Jurisdictional Determination from the U.S. Army Corps of Engineers has been submitted by the applicant, which will be required prior to any administrative development approvals. According to the submitted narrative, the total wetland disturbance will be limited to one acre. Any disturbance within these wetlands is subject to review and approval by the U.S. Army Corps of Engineers.

Areas of Environmental Concern
The North Carolina Department of Environmental Quality (DEQ) has not identified any Areas of Environmental Concern (AECs) on the site.

Biodiversity and Wildlife
The North Carolina Wildlife Resources Commission (WRC) publishes the Biodiversity and Wildlife Habitat Assessment as part of their Conservation Planning Tool. Land that has been inventoried through this Assessment is ranked on scale ranging from 1 to 10, with higher numbers signifying a more prevalent presence of "more rare, abundant, and diverse species and habitats" in those areas. Less than 25% of the subject properties have a ranking, as much of the interior is already cleared. Nearly the entirety area of the scored area is ranked as a 6, signifying an elevated conservation priority. Approximately 5 acres in the southeasternmost portion of the proposed development are ranked as a 7, representing a more significant conservation priority.

Landscaping and Buffers
The applicant has proposed a type A buffer along NC Hwy 210, as well as a type C buffer along most boundaries east of the proposed collector street. All other boundaries, largely along the southern and western borders, are proposed to maintain a 25-foot vegetated buffer along the property line. Based on an analysis of aerial photography, these areas currently have tree lines which are 25' deep from the property line or deeper.

Planned Developments require an A buffer along all boundaries adjacent to a street, and a C buffer along all boundaries adjacent to single family residential uses or residential lots with a parcel size of less than 1 acre and when a single family structure is within 50' of the boundary of the development. A B buffer, which is an intermediate-density planting between A and C buffers, is the standard usually required on all other boundary lines. As a C buffer exceeds the standards of a B buffer, substituting a C buffer along all non-street property lines conforms with the ordinance. Preserving existing vegetation is encouraged by the ordinance where possible, and the Conditional Zoning process allows the creation of custom buffering standards within a proposed district. If the proposal is approved as proposed, the specific A and C buffers to be installed will be detailed at the preliminary plat level and all buffers will be installed or guaranteed through a financial instrument prior to final plat approval.

Table 3: Buffer Standards

Buffer "A" This buffer is designed primarily for road frontage areas and should run parallel to the street to provide a continuous, aesthetically pleasing streetscape. The requirements for buffer "A" shall be met by any one of the following:
A-1) 15 foot wide strip with 3 canopy trees, 2 understory trees and a grass cover of at least 98 % coverage (except within 4 feet of the base of any tree), per 100 linear feet (width may be reduced to 10' for existing developed lots that are subject to new buffer requirements), or
A-2) 20 foot wide strip with 3 canopy trees, 2 understory trees and either a grass cover of at least 98 % coverage (except within 4 feet of the base of any tree or shrub) or 18 shrubs per 100 linear feet, or
A-3) 25 foot wide strip with 1 canopy tree, 2 understory trees and either a grass cover of at least 98 % coverage (except within 4 feet of the base of any tree or shrub) or 21 shrubs per 100 linear feet, or
A-4) 30 foot wide strip with 1 canopy tree, 2 understory trees and either a grass or other approved vegetative ground cover of at least 98 % coverage (except within 4 feet of the base of any tree or shrub) or 32 shrubs per 100 linear feet.
Buffer "C" This buffer is designed to provide a high density screen primarily along non street boundary lines to provide buffer and separation between different categories of uses such as commercial adjacent to residential uses or other non-residential uses adjacent to high density single family residential uses. The requirements for buffer "C" shall be met be any one of the following:
C-1) 10 foot wide strip with a 6 foot high wood stockade, basket weave, or other solid wood fence and 2 canopy trees and a grass cover of at least 98 % coverage (except within 4 feet of the base of any tree), per 100 linear feet, or
C-2) 15 foot wide strip with a 6 foot high wood stockade, basket weave, or other solid wood fence or an evergreen hedge* that will provide a continuous screen at least 6' high within 4 years and 1 canopy tree, 4 understory trees and a grass cover of at least 98 % coverage (except within 4 feet of the base of any tree), per 100 linear feet, or *Reference spacing requirements in plant list for specific species and spacing to achieve evergreen hedge
C-3) 20 foot wide strip with an evergreen hedge that will provide a continuous screen at least 6' high within 4 years and 1 canopy tree or 3 understory trees and a grass cover of at least 98 % coverage (except within 4 feet of the base of any tree), per 100 linear feet, or
C-4) 25 foot wide strip with an evergreen hedge that will provide a continuous screen at least 6' high within 4 years, 2 understory trees and a grass cover of at least 98 % coverage (except within 4 feet of the base of any tree), per 100 linear feet.

Significant Trees

A significant tree survey conforming with section 8.1.3 of the Pender County Unified Development Ordinance will be required prior to administrative approval of any subsequent Preliminary Plat or Site Development Plan within this project. Any significant tree proposed for removal shall be mitigated by the on-site planting of two (2) trees of the same species with a minimum caliper of 2" or greater.

Open Space

Per Section 7.6.1.C: Required Open Space of the Pender County Unified Development Ordinance: All new residential subdivisions shall provide open space in the amount of 0.03 acres per dwelling unit within the subdivision. No more than 50% of the required open space shall be designated as passive open space. 50% or more of the required open space shall be designated as active open space. A minimum of 22.5 acres of open space would be required for this development, with a minimum of 11.25 acres of open space. The applicant is proposing 65 acres of open space, 12 of which are proposed as active open space. The applicant is in compliance with Pender County's open space requirements.

Per Section 7.6.1.E.1 of the Unified Development Ordinance, the dedicated open space shall form a single parcel of land, whether the subdivision is developed in phases or sections, except where it is determined by the appropriate governing body, that two (2) or more parcels would be in the best interests of the residents of the subdivision and the public; and in such case, the appropriate governing body, may require that such parcels be connected. The applicant has illustrated that at least the minimum required open space shall be contiguous, and is requesting that the Conditional Zoning District not be held to a minimum lot size or minimum lot width to allow as much of the property as possible to remain in common open space.

The applicant has proposed that each preliminary plat be proportionally responsible for fulfilling the portion of the total open space associated with the number of lots proposed for platting to provide flexibility for the configuration of lots and open space in relation to the land's natural features in each phase to be determined closer to the time of development. Allowing this flexibility in larger Master Development Plans does have precedent in Pender County.

Table 4: Required Open Space

Open Space Type	Open Space Required (acres)	Open Space Proposed (acres)
Passive	11.25	53
Active	11.25	12
Total	22.5	65

Recreational Units

Per Section 7.6.2 of the Pender County Unified Development Ordinance, developments are required to provide recreational units equivalent to financial credits based on the total proposed dwelling units as established in Table 4 below. The applicant has proposed 750 single family lots and is therefore required to provide seven and a half (7.5) recreation units totaling a minimum of $75,000. The applicant has proposed that each preliminary plat be proportionally responsible for fulfilling the portion of the total recreational unit value associated with the number of lots proposed for platting to provide flexibility for the types of recreational unit in each phase to be determined closer to the time of development. Allowing this flexibility in larger Master Development Plans does have precedent in Pender County.

Table 5: Required Recreation Units

Dwelling Units	Recreational Unit(s)	Financial Unit
34-99	1.0	$10,000
100-150	1.5	$15,000
151-200	2.0	$20,000
201-250	2.5	$25,000
251-300	3.0	$30,000
301-350	3.5	$35,000
351-400	4.0	$40,000

*The figures referenced above shall be carried up to 1,000 dwelling units/10.0 recreational units or $100,000. Developments exceeding 1,000 dwelling units shall not be required to exceed the maximum of 10 recreational units.

TRANSPORTATION INFRASTRUCTURE

Roadways

The applicant is constructing three public roadways illustrated in the Pender County Collector Street Plan. A Minor Collector Street will run generally south from NC Hwy 210 to the southern border of the proposed development. Two Local Collector Streets will split off from this main thoroughfare, with one stubbing out just south of the proposed wastewater treatment plant to the east and the other connecting to the existing Fall Brook Ln. The remainder of the roadways illustrated on the Master Development Plan are only conceptual, and no decision regarding the ownership or layout of the internal roadway network has been provided at this time. However, as discussed below, a connection to A.R. Black Ave. will be required for the purposes of linking into the existing roadway network and providing additional connectivity for fire code purposes.

The proposed road network is shaped, in part, by Section 7.5.1 of the Pender County Unified Development Ordinance which states that the layout of streets as to arrangement, width, grade, character, and location shall conform to 1) the Pender County Collector Street Plan, 2) adjoining street systems, 3) existing, planned and proposed streets, 4) To provide for continuity in existing streets, 5) Provide adequate right-of-way for collector streets, and 6) Reasonable access will be provided to adjacent properties for development.

The proposal conforms with the Pender County Collector Street Plan and the Pender County Unified Development Ordinance. At the Preliminary and Final Plat levels, staff will require the applicant to certify that all roadways meet NCDOT subdivision standards, and work with the Fire Marshal to ensure the roads meet all applicable fire code standards as well.

Street Connectivity and Access

The applicant has proposed five total connections to the proposed development: Three to existing roadways, and two stubs to be continued in the case of adjoining development. The development would connect to existing roadways via an entrance on NC Hwy 210 on the Minor Collector Street, a continuation of a Local Collector Street to Fall Brook Ln. to reach US HWY 117, and the connection of a neighborhood street to A.R. Black Ave. The Minor Collector Street stubs to the south and is intended to eventually connect to Strawberry Ln and ultimately NC Hwy 133. The other Local Collector Street stubs to the east, and if future development occurs would connect to US Hwy 117.

Rocky Point Properties, LLC purchased a piece of property of approximately 40.288 acres adjoining the Fall Brook subdivision as recorded with the Register of Deeds on September 19, 2006 – Deed Book 3052, Pages 297 and 298. A 50’ access and utility easement was recorded to the conveyed property, as illustrated on Map Book 42, Page 116. The deed entitles the property owner to utilize Fall Brook Ln to construct single family dwellings on the acquired property with the caveat that, “Until the completed roadway for access to the subject property is accepted for maintenance by [NCDOT], the Grantee, and its successors, assigns and Grantees, shall be responsible for maintenance and repair of the said roadway based on the ratio of usage and the cause of the need for repair and maintenance.” The proposed conditions of approval, agreed to by the applicant, would preempt this clause and only permit residential or construction traffic related to this proposal to utilize the existing Fall Brook Ln once the North Carolina Department of Transportation has accepted it for maintenance.

The applicant has also agreed to place a siren-activated gate for emergency access to A.R. Black Ave. until such time as that roadway be redeveloped to the street standards of the Pender County Unified Development Ordinance.

In accordance with the Pender County Collector Street Plan, individual driveway access will not be permitted on the Minor Collector Street. However, the Plan does permit individual driveway access on the Local Collector Streets.

Traffic
A Traffic Impact Analysis (TIA) has been scoped for the proposed development. Per Section 6.1.2.B.15 of Pender County's Unified Development Ordinance, a Traffic Impact Analysis is required when the development generates 100 trips in the morning or peak hours or 1,000 trips per day. The proposed development is projected to result in 7,000 daily trips and 700 peak hour trips at buildout. Any traffic management requirements will be required by the NCDOT and will be required to be compliant with the NCDOT's Driveway Manual.

The Traffic Impact Analysis will be required to be complete prior to administrative approval of the project.

All roadway improvements will be tracked through the driveway permit process and coordinated with the NCDOT and Staff.

Traffic Calming
To address concerns regarding traffic safety in the existing Fall Brook development, the applicant has agreed to installing two traffic calming devices – one inside the platted development, one just within the proposed new development – upon agreement with NCDOT regarding the specific strategies that are appropriate with those locations. Additionally, the applicant and NCDOT staff have agreed that a speed limit of 25 MPH should be posted upon state acceptance of maintenance.

Pedestrian Access
The applicant has agreed to a condition to provide sidewalks along all streets throughout the development. Along the Minor Collector Street, which connects to NC Hwy 210 and runs south to the property line generally paralleling US Hwy 117, the applicant has proposed a multi-use path.

Proposed sidewalks provide pedestrian access to each of the active open space areas, reducing the need for vehicular transportation to those areas. Sidewalks also provide a safe, walkable community for all residents and provide for pedestrian circulations throughout the community. Greater bicycle and pedestrian connectivity is a purpose of the PD, Planned Development zoning district and is encouraged by the Pender 2.0 Comprehensive Land Use Plan and this proposal conforms with those documents in this regard.

OTHER INFRASTRUCTURE

Utilities
The applicant intends to utilize Pender County Utilities (PCU) water. The applicant also intends to utilize a private on-site wastewater treatment plant for wastewater treatment and disposal. The applicant has received a Letter of Intent from Pluris, a private wastewater utility, to provide this service. That Letter is attached to this report. Relevant documentation from state, local, or private entities involved in the construction and operation of these utilities will be required prior to administrative approval to construct any phase of the development.

Stormwater

Section 7.9 of the Pender County Unified Development Ordinance requires that stormwater infrastructure be built such that the post development runoff from the project be no more than ten (10) percent more than the pre- development runoff. Low-density projects, as this is proposed to be, are required to meet this standard for the 1 year 24-hour event, while high-density projects are required to meet this standard for a twenty-five year storm and be analyzed for a fifty-year storm. The applicant has proposed exceeding these standards by constructing a stormwater system which would accommodate a fifty-year storm and be analyzed for a hundred-year storm. Certification from a licensed engineer that the project meets these requirements shall be required at administrative approval of each phase of the development, and all necessary state permits will be required prior to administrative approval for land disturbing activities.

Signage

All signage shall be reviewed per Article 9 of the Pender County Unified Development Ordinance.

PUBLIC INPUT MEETING

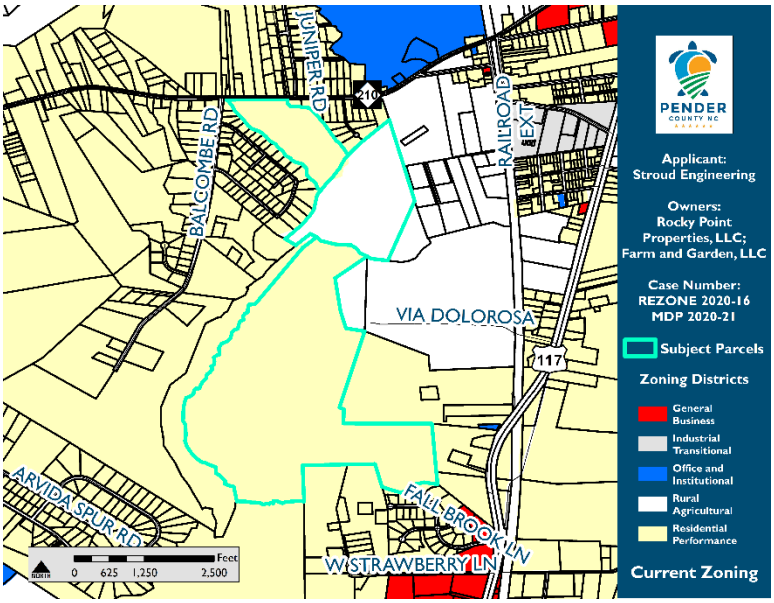
The public meeting was held on July 8, 2020 from 5:30pm-8:30pm in the shelter at Millers Pond Park. Notices of the meeting being held were mailed to all residents within 500 feet of the subject property at least 10 days prior to the meeting. The applicant provided a brief overview of the project and took questions from the attendees. Community concerns included traffic, stormwater runoff, and school capacity. Attendees expressed those concerns to Pender County Staff in attendance as well. The applicant has provided a report from the public input meeting and is included as Attachment 1.

TECHNICAL REVIEW COMMITTEE (TRC) RESPONSES

Pender County's Technical Review Committee meeting was held on Wednesday, June 3, 2020 at 9 A.M. in the Board of County Commissioners meeting room, to review the proposal. The comments can be found in Attachment 2.

EVALUATION

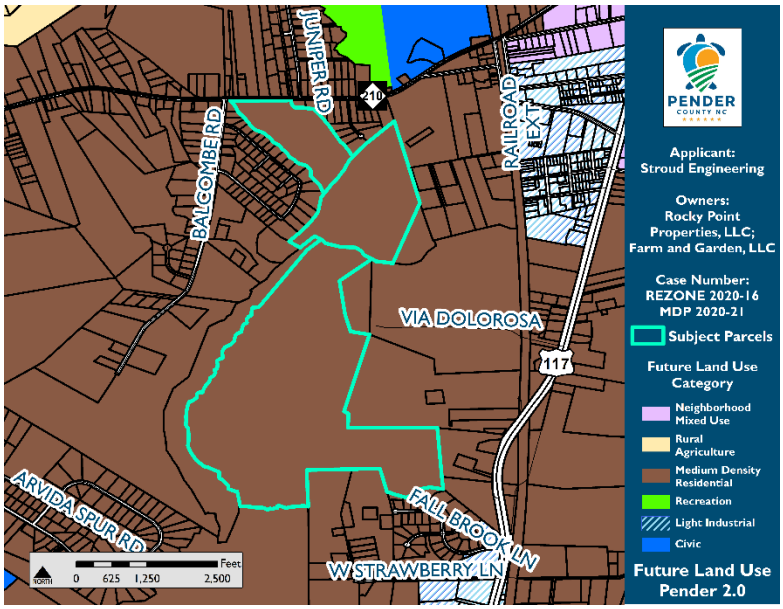
A. Public Notifications: Advertisements for the proposal have been placed in the Pender-Topsail Post & Voice. Adjacent property owners within five hundred feet (500') of the subject parcel were notified by first class mail; and a sign advertising the public hearing was placed on the subject properties.



B. Existing Zoning in Area: The subject property is currently zoned RP, Residential Performance and RA, Rural Agricultural zoning districts. The subject properties are bordered by RP, Residential Performance zoning district properties along most parcel lines. The subject properties are bordered to the east by RA, Rural Agricultural zoning district properties.

C. Existing Land Use in Area: The subject parcels are currently vacant and are surrounded by residential development to the north, northeast, southwest, southeast, and east. Vacant/agricultural land uses can be found to each cardinal direction. Heide Trask High School and Pender EMS & Fire Station 7 are nearby to the northeast.

D. Pender 2.0 Comprehensive Land Use Plan Compliance: The Pender 2.0 Comprehensive Land Use Plan designates the subject property as Medium Density Residential. Medium density residential uses are vital to supporting Pender County's growing population by strategically locating more dense residential development in areas that will not create conflicts with existing neighborhoods. These uses are located in close proximity to supporting services and a mixture of development types, and are generally found in the southern portion of the County. Appropriate uses include single-family residences, duplexes, townhomes, community recreation and open space uses, and neighborhood-scale institutional uses such as religious and civic organizations. Townhomes may be suitable when proposed as part of a master planned community whereby the dimensional requirements and uses forming the outer boundary of the community are compatible with the adjacent properties or permissible uses. Clustering of new residential communities is encouraged.



Planned communities may also include well-integrated neighborhood-scale commercial and office uses. Industrial and manufacturing uses, and commercial and office uses not located within a planned community, are inappropriate. Development density within this category is three to six dwelling units an acre or less.

This application is consistent with the Medium Density Residential Future Land Use classification because it proposes a clustered single-family neighborhood at a density of 3.47 units an acre in addition to integrated commercial frontage. The Pender 2.0 Comprehensive Land Use Plan also encourages bicycle and pedestrian infrastructure within this Future Land Use classification, which the applicant has proposed.

In addition to conforming with the Future Land Use Map, the Conditional Zoning Map Amendment request is supported by three (3) goals, two (2) objectives, and six (6) policies within the Pender 2.0 Comprehensive Land Use Plan:

> **Policy 3.1.H: Low Impact Development (LID):** The County supports Low Impact Development practices. Such LID practices may include retaining/infiltrating most of the runoff on-site, maximizing the use of permeable pavements, reducing the amount of impervious coverage, and clustering housing to allow a profitable development density while maximizing open space and minimizing wildlife habitat fragmentation.

Goal 4.2: Manage the timing, location and intensity of growth by coordinating transportation improvements in accordance with development and ensuring safe and efficient modes of transportation are available to all residents and visitors.

Policy 4.2.F: Collector Street Plan: The County shall continue to support and implement the Pender County Collector Street Plan when reviewing and approving new development proposals within the WMPO Boundary area of the County.

Goal 4.3: Provide safe opportunities for walking and cycling, while supporting the need for paratransit service and other alternatives to provide transportation choices for residents and visitors.

Objective 4.3: Encourage alternative means of transportation to reduce traffic, enhance economic development, offer services to those without use of a vehicle, and provide recreational opportunities for residents and visitors.

Goal 5.1: Land Use and Growth Management: Manage the physical growth and development of Pender County by encouraging more intensive land uses in key locations identified for such growth while preserving and protecting the unique physical character and social assets of the rural heritage and coastal habitat that makes the County a unique place to live.

Objective 5.1: Land Use and Growth Management: Ensure that development and use of resources balances protection of natural resources and agricultural lands with economic development, avoids risks to public health and welfare, and is consistent with the capability of the land.

Policy 5.1.D: Focused Growth and Development: The County supports a growth pattern that includes low density single-family residential communities, but also allows for the strategic placement of higher density residential, mixed uses, and commercial development to accommodate and support future population growth, where necessary infrastructure exists or is planned.

Policy 5.1.H: Mixed Use Development: The County supports a wide range of commercial and residential development at varying intensities, when appropriately located, and provided that impacts to adjacent property owners and traffic congestion is mitigated.

Policy 5.1.V: Residential Development: The County supports a range of housing types and development at appropriate densities and locations that are compatible with their surroundings and are in accordance with the future land use map.

Policy 5.1.Z: Cluster Development Incentive: The County supports the clustering of residential development within the residential future land use categories for the preservation of coastal natural resources, prime agricultural lands, or wildlife habitat areas.

The project fulfils several desired policy outcomes for development as described in the Pender 2.0 Comprehensive Land Use Plan. The proposal provides enhanced transportation infrastructure, constructing multiple collector streets as well as bicycle and pedestrian connectivity throughout the development. While not proposing to certify the project to the Low Impact Development stormwater engineering standard, the project exhibits multiple characteristics of LID design – namely clustering development to preserve open space and providing above-average stormwater infrastructure. Additionally, based on comments received from the relevant agencies, sufficient infrastructure is available or will be constructed to serve the development.

The Conditional Zoning Map Amendment proposal was not found to conflict with any goals, objectives, or policies in the Pender 2.0 Comprehensive Land Use Plan.

E. **Unified Development Ordinance Compliance:** Section 3.3 of the Unified Development Ordinance provides for standards that shall be followed by the Planning Board and Board of County Commissioners before a favorable recommendation of approval for a rezoning can be made. The Planned Development District encourages progressive land planning and design concepts and is intended to provide an alternative to a conventional development. The PD Districts allows projects of innovative design and layout that may not otherwise be permitted under this Ordinance due to the strict application of zoning district or general development standards. The PD District shall not be used as a means of circumventing the County's adopted land development regulations.

Utilities
Public water services are available for the subject properties through Pender County Utilities, which has indicated sufficient capacity to serve the development. The applicant has also proposed an onsite wastewater treatment plant to provide sewer service within the development. Any final zoning approvals are contingent upon review and approval by appropriate local and state agencies.

Traffic & Roadways
The subject property has direct frontage on NC Hwy 210. Average Annual Daily Trips (AADT) and capacity of NC Hwy 210 in this area are 5,800/15,500 (V/C), which represents a V/C ratio of 0.37:1, suggesting that traffic volumes are approximately 37% of the full capacity of the roadway. Along the segment of US Hwy 117 which intersects with Fall Brook Ln, Average Annual Daily Trips (AADT) and capacity are 8,500/15,500 (V/C), which represents a V/C ratio of 0.55:1, suggesting that traffic volumes are approximately 55% of the full capacity of the roadway.

A Traffic Impact Analysis (TIA) has been scoped for the proposed development. Per Section 6.1.2.B.15 of Pender County's Unified Development Ordinance, a Traffic Impact Analysis is required when the development generates 100 trips in the morning or peak hours or 1,000 trips per day. The proposed development is projected to result in 7,000 daily trips and 700 peak hour trips at buildout. Any traffic management requirements will be required by the NCDOT and will be required to be compliant with the NCDOT's Driveway Manual.

Schools
750 residential units are proposed in this application. Therefore, an impact to the school system should be anticipated. Pender County Schools staff attended the TRC meeting on June 3, 2020 and indicated that over the projected timeframe for total buildout, Pender County Schools would be able to accommodate the potential increase in school age children due to the anticipated construction timeline for the proposed development.

A new Pender County Schools student in this area would likely attend Rocky Point or Cape Fear Elementary School, Cape Fear Middle School, or Heide Trask High School. According to data provided by Pender County Schools at the end of August, these facilities are at approximately 90%, 77%, 67%, and 87% of full capacity respectively under normal circumstances.

At the Public Input Meeting, community concerns included traffic, stormwater runoff, and school capacity. The applicant worked with staff on conditions which address some of these topics, as discussed in the following section.

3.4.4 Review Criteria for Conditional Rezoning

When evaluating an application for the creation of a conditional zoning district, the Planning Board and Board of Commissioners shall consider the following:

1) The application's consistency to the general policies and objectives in all adopted Land Use Plans and Unified Development Ordinance.
2) The potential impacts and/or benefits on the surrounding area, adjoining properties.
3) The report of results from the public input meeting.

CONDITIONS FOR APPROVAL OF PETITION

Per Sections 3.4.5 and 4.13.6 of the Pender County Unified Development Ordinance, the Pender County Planning Board and the Board of County Commissioners can add reasonable and appropriate conditions based on mutually established goals with the Applicant and adjacent property owners. Conditions may address parking areas and driveways, pedestrian and vehicular circulation systems, screening and buffer areas, the timing of development, street and right-of-way improvements, water and sewer improvements, stormwater drainage, the provision of open space, and other matters that the participants in the public input meeting, staff, Planning Board and County Commission find appropriate or the petitioner may propose.

Staff, the applicant, and the Pender County Planning Board have collaborated to reach agreement on the following potential conditions of approval for this application:

1. The project shall be designed so that the post development runoff from the project be no more than ten (10) percent more than the pre- development runoff for the 10, 25, and 50 year return period events and be analyzed for the 100-year event.
2. All wetlands which will not be disturbed via an Army Corps of Engineers wetlands fill permit as part of the proposed development shall be placed under a conservation easement.
3. Informational signs to be installed at 500 ft intervals along all delineated wetland boundaries within platted open space, and to be maintained by the HOA and replaced as necessary. The applicant shall include this provision in the recorded covenants and restrictions for the development in perpetuity.
4. Sidewalks will be installed along all streets, and crosswalks will be marked at all intersections with a Collector Street.
5. Fall Brook Ln will be accepted for NCDOT maintenance prior to preliminary plat approval of the 601st lot of this development, preliminary plat approval of any portion of the development within the boundary of Tract 2 as shown on Pender County Map Book 42 P 116, or use of Fall Brook Ln for construction traffic, whichever shall come first.

6. A siren-activated gate meeting the standards of the Pender County Fire Marshal will be required at the border of the development and the existing A.R. Black Av., to be installed prior to final plat approval of the appropriate section, and be required to remain in place until such time as A.R. Black Av. Is brought up to the street design standards of the Pender County Unified Development Ordinance.
7. The wastewater treatment plant shall utilize membrane filtration technology, or other technology certified by the project engineer to render no greater negative impact to local water quality than membrane filtration.
8. Evidence that the Army Corps of Engineers has received any Certificate of Completion forms for wetland disturbance permits relating to the project shall be provided to staff prior to approval of the last Final Plat associated with this development.
9. Prior to completing the roadway connection between Fall Brook and the proposed development, A measure similar to a chicane that is acceptable to the NCDOT and Pender County Emergency Services shall be installed within the proposed development near the interconnection with Fall Brook, as well as at least one additional traffic calming measure along Fall Brook that is acceptable to NCDOT. The applicant shall also make a written request to the North Carolina Department of Transportation that a speed limit of 25 MPH should be posted on Fall Brook Ln.

RECOMMENDATION

At their November 5, 2020 meeting, the Pender County Planning Board recommended conditional approval of this application based on its consistency with the Pender County Unified Development Ordinance and Pender 2.0 Comprehensive Land Use Plan, with Staff also recommending approval. The proposed development is consistent with three (3) goals, two (2) objectives, and six (6) policies and the Future Land Use Map in the Pender 2.0 Comprehensive Land Use Plan, and conflicts with none. The proposed development is compliant with the Pender County Unified Development Ordinance.

BOARD OF COUNTY COMMISSIONERS ACTION NEEDED:

TO APPROVE: Motion to recommend approval of the Conditional Zoning Map Amendment and to make a finding that the approval is consistent with the following goals, objectives, and policies in the Pender 2.0 Comprehensive Land Use Plan:

- **Policy 3.1.H**
- **Goal 4.2**
- **Policy 4.2.F**
- **Goal 4.3**
- **Objective 4.3**
- **Goal 5.1**
- **Objective 5.1**
- **Policy 5.1.D**
- **Policy 5.1.H**
- **Policy 5.1.V**
- **Policy 5.1.Z**

The proposed rezoning is consistent with the Medium Density Residential Future Land Use classification in the Pender 2.0 Comprehensive Land Use Plan because the proposed development is of an appropriate density for the area, enhances local transportation infrastructure, and utilizes design techniques to minimize stormwater runoff while maximizing preservation of open space.

TO DENY: Motion to deny the Conditional Zoning Map Amendment and to make a finding of denial because although the proposal is consistent with the Pender 2.0 Comprehensive Land Use Plan, said denial is reasonable and in the public interest and does not further the goals of the Pender 2.0 Comprehensive Land Use Plan because [INSERT REASONING] ….

BOARD ACTION FOR CONDITIONAL ZONING MAP AMENDMENT REQUEST

Motion: Pitts **Seconded:** Beaudoin

Approved: X Denied: Unanimous:

McClammy: Y Jordan: N Beaudoin: Y Buchanan: Y Gruntfest: N Pitts: Y Teachey: Y

APPLICATION FOR CONDITIONAL REZONING

THIS SECTION FOR OFFICE USE			
Application No.	ZMA-CD REZONE 2020-16	Date	5/8/2020
Application Fee	$ 346.90	Receipt No.	10561
Pre-Application Conference	3/13/2020	Hearing Date	Pending

SECTION 1: APPLICANT INFORMATION

Applicant's Name:	James H. Fentress, Jr., PE	**Owner's Name:**	Mark Maynard
Applicant's Address:	STROUD ENGINEERING, PA	**Owner's Address:**	ROCKY POINT PROPERTIES, LLC 10 S. CARDINAL DR.
City, State, & Zip	102 - D CINEMA DR. WILMINGTON, NC 28403	**City, State, & Zip**	WILMINGTON, NC 28403
Phone Number:	910-815-0775	**Phone Number:**	910 612-3633
Email Address:	jfentress@stroudengineer.com	**Email Address:**	jr@tributecompanies.com

Legal relationship of applicant to land owner: ENGINEER

SECTION 2: PROJECT INFORMATION

Property Identification Number (PIN):	3234-29-6506-0000=35.25ac. RP 3234-38-5366-0000=57.20ac. RA 3234-24-6900-0000=208.64ac.RP	**Total property acreage:**	301.09 AC.
Current Zoning District:	SEE ABOVE	**Proposed Zoning District:**	PD
Project Address or Location:	HWY 210 / OFF HWY 210 & OFF 117 S. US HWY		

Proposed Uses to be Considered (Include NAICS Code):

Proposed rezoning to PD to provide a mix of single family detached lot sizes and shapes to yield an overall density of 2.5 units per acre. Commercial use along North Carolina Highway 210 frontage shall be complimentary to proposed housing development. Project proposes an onsite waste water treatment plant to provide central sewer to all uses.

Proposed Uses to be Eliminated from Consideration (Include NAICS Code):

SECTION 3: SIGNATURES

Applicant's Signature		**Date:**	4/17/2020
Owner's Signature		**Date:**	4/17/2020

NOTICE TO APPLICANT

1. Applicant must also submit the information described on the Rezoning Checklist.
2. Applicant or agent authorized in writing must attend the public hearing.
3. Once the public hearing has been advertised, the case will be heard unless the applicant withdraws the application or unless the Planning Board or other authorized person agrees to table or delay the hearing.
4. All fees are non-refundable.
5. A complete application packet must be submitted prior to the deadline in order to be placed on the next Planning Board Agenda.

Conditional (Zoning Map) Amendment Checklist

☑	Signed application form
☑	Application fee
☑	A list of names and addresses, as obtained from the county tax listings & tax abstract, all adjacent property owners, including property owners directly across any road or road easement, & owners of the property under consideration for rezoning.
☑	Two (2) business size envelopes legibly addressed with **first class** postage for each of the adjacent and abutting property owners on the above list.
☑	Accurate legal description or a map drawn to scale showing the property boundaries that are to be rezoned, in sufficient detail to for the rezoning to be located on the Official Zoning Map.
☑	12 (11"x17") map copies to be distributed to the Planning Board
☑	20 (11"x17") map copies to be distributed to the Board of Commissioners
☑	Digital (.pdf) submission of all application materials
☑	Public Input Meeting Report (Section 3.4.3 or see Public Input Meeting on the first page of this application)
☑	A description and/or statement of the present and proposed zoning regulation or district boundary and stating why the request is being made and any information that is pertinent to the case. If the owner and applicant are different, the letter must be signed by both parties.
☑	All applications which specify an intended use must include a generalized site development plan drawn to a suitable scale, supporting information and text which specifies the use or uses intended for the property and any development standards to be approved concurrently with the rezoning application
☑	A generalized site development plan shall include the following items: ☑ A vicinity map drawn to a suitable scale which illustrates adjacent or nearby roadways, railroads, waterways & public facilities. ☑ A (metes and bounds) boundary of the parcel or portion of the parcel to be rezoned and developed. ☑ All existing easements, reservations and rights of way. ☑ Delineation of all Areas of Environmental Concern including but not limited to federal jurisdictional wetlands. ☑ For residential uses, the number of units, heights and a generalized location. For non-residential uses, the height, approximate footprint and location of all structures. ☑ If a known use is proposed: Traffic impact report, parking and circulation plans illustrating dimensions, intersections and typical cross sections. ☑ All proposed setbacks, buffers, screening and landscaping. ☑ Phasing. ☑ Signage. ☑ Outdoor lighting. ☑ Current zoning district designation and current land use status. ☑ Other information deemed necessary by the Administrator, Planning Board, or Board of Commissioners, including but not limited to a Traffic Impact Analysis or other report from a subject matter expert.

Office Use Only

ZMA-CD Fees: (*$500.00 for first 5 acres; $10/acre thereafter up to 1,000 acres; $5/acre thereafter)*

Total Fee Calculation: $ 3460.90

Attachments Included with Application: (Please include # of copies)

CD /other digital version	☑ Y ☐ N	Plan Sets	# of large	# of 11X17	Other documents/Reports	☐ Y ☐ N

Payment Method:	**Cash :** ☐ $_____	**Credit Card:** ☐ Master Card ☐ Visa	**Check:** ☒ Check # 108371

Application received by: [signature] **Date:** 5/8/2020

Application completeness approved by: [signature] **Date:** 5/14/2020

Dates scheduled for public hearing:	☐ **Planning Board:** Pending	☐ **Board of Commissioners:** Pending

Farm and Garden, LLC
3907-100 Wrightsville Ave.
Wilmington, NC 28403

August 10, 2020

Pender County Planning Dept.
Attn: Sam Shore, MPA
805 South Walker Street
Burgaw, NC 28425

RE: Rezoning Acknowledgment in Pender County, NC

Dear Sam Shore,

Farm and Garden, LLC is the owner of Pender County parcel numbers 3234-29-6506-0000 (35.23 acres) and 3234-38-5366-0000 (57.2 acres). The subject two parcels are proposed to be rezoned to Pender County Zoning District PD zone by application filed on or about May 7, 2020 by James H. Fentress, Jr. PE of Stroud Engineering, PA. Farm and Garden, LLC is filed with the North Carolina Secretary of State having ID# 1971347 and reports Registered Agent Samuel B. Potter. By signature below, Farm and Garden, LLC acknowledges and consents to the proposed rezoning.

Sincerely,

Samuel B. Potter
Registered Agent
Farm and Garden, LLC

STROUD ENGINEERING, P. A.
CONSULTING ENGINEERS
102D CINEMA DRIVE
WILMINGTON, NORTH CAROLINA 28403
WWW.STROUDENGINEER.COM
LICENSE NO. C-0647

Date: 9/15/2020

Falls Mist Village

Conditional Rezoning Narrative

Introduction

Three properties are compiled to be proposed as a Planned Development by the two landowners Rocky Point Properties, LLC and Farm and Garden, LLC. Rocky Point Properties, LLC owns the 208.6 acre tract adjacent the Fallbrook subdivision. Farm and Garden, LLC owns the 35.3 acre and the 57.2 acre tracts extending off US Highway 210 toward Rocky Point Properties. The three tracts combine to just over three hundred and one acres. These properties stretch from US Highway 117 to North Carolina Highway 210. The two properties on either end are presently zoned RP. The property in the middle is presently zoned RA. The current maximum density for the properties is understood to allow for about six hundred and sixty-seven homes. All three properties are proposed for conditional rezoning to PD. The conditional rezoning plan proposes seven hundred and fifty single family detached lots. The PD zoning is desired to enable lot size flexibility. No minimum lot size is proposed given that the density is to be fixed for the combined properties. This will enable creative design to adjust for environmental assets as well as the dedication of enhanced common spaces to benefit the properties created. The Pender County Comprehensive Transportation Plan shows a group 2 collector street bisecting the properties, parallel to US Highway 117 and connecting to NC Highway 210. This is considered the primary collector street serving the proposed development. The plan also shows a group 2 collector extending from US Highway 117 out of the Williamson tract and intersecting the collector planned parallel to US Highway 117. There is also a group 1 collector street shown extending out of the Fallbrook subdivision that also intersects the collector parallel to US Highway 117. The proposed plan includes such collector streets with limited access to interconnecting streets. The group 2 collector street includes a mixed use path. The lots are proposed off of the interconnecting streets. There will be no residential driveways extended from the collector streets. The collector streets will be designed as public road rights of way and built for North Carolina Department of Transportation acceptance. These development concepts are consistent with the Pender County Comprehensive Land Use Plan with regards to public infrastructure sized for growth, preservation of environmentally sensitive areas, provision of common areas and enhanced open spaces for community use.

Existing Uses

The properties are all currently undeveloped and utilized for agriculture of various description. The property is mostly cleared for these purposes. Turkey Creek meanders along the western property line of the largest tract before cutting between the two properties closest to NC Highway 210. The wetlands adjacent to Turkey Creek constitute the majority of the wetlands on the properties. There is within the wetland boundaries and adjacent Turkey Creek the one-hundred year flood plain.

Proposed Uses

The proposed PD zoning is to enable a large single family residential neighborhood with varying lot sizes and supporting commercial uses being the waste water treatment plant and commercial frontage on NC Highway 210. The commercial use is intended to serve and compliment the neighborhood. The project will initially develop from US Highway 210 by extending the aforementioned primary group 2 collector into the Farm and Garden Property with proposed residential lots fronting local roads that emanate from the main collector. The collector will be extended as the project develops additional phases until its completed connection to the south end of the property and with a group 1 collector connecting east to Fall Brook Lane. The project will maintain and mostly preserve existing drainage patterns while proposing wet detention ponds to treat and manage the stormwater runoff. Existing wetlands on the property will be preserved to the greatest extent practical. The total wetland impact will be limited to one half acre for each of the two developers. The project proposes a wastewater treatment plant. The plant will be developed in accordance with North Carolina Department of Environmental Quality standards and permitted to water reuse standards. This will enable the treated wastewater to be reused for irrigation in the common areas as well as returned to the lots for irrigation if so desired. Potable water will be provided by Pender County Utilities with a main that will connect the lines on US Highway 117 with those on NC Highway 210. This will improve the water pressures and quality in the region. The development will extend primarily on already cleared property. Grading will be limited to only that necessary for drainage to the proposed detention ponds.

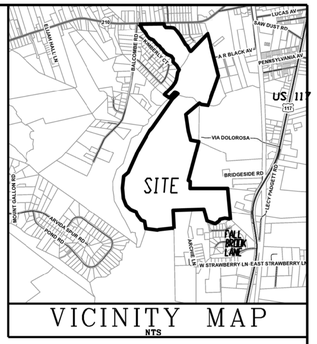
In consideration of the concerns raised at the July 8th, 2020 community meeting the plan has been revised to now show phasing extending from the north end of the property adjacent NC Highway 210, proposed drainage and conservation areas, a revised group 2 collector location being more consistent with the Pender County Collector Street Plan as well as buffers where existing wetland buffers are not provided. The community meeting was contentious however we feel beneficial to the process and the plan.

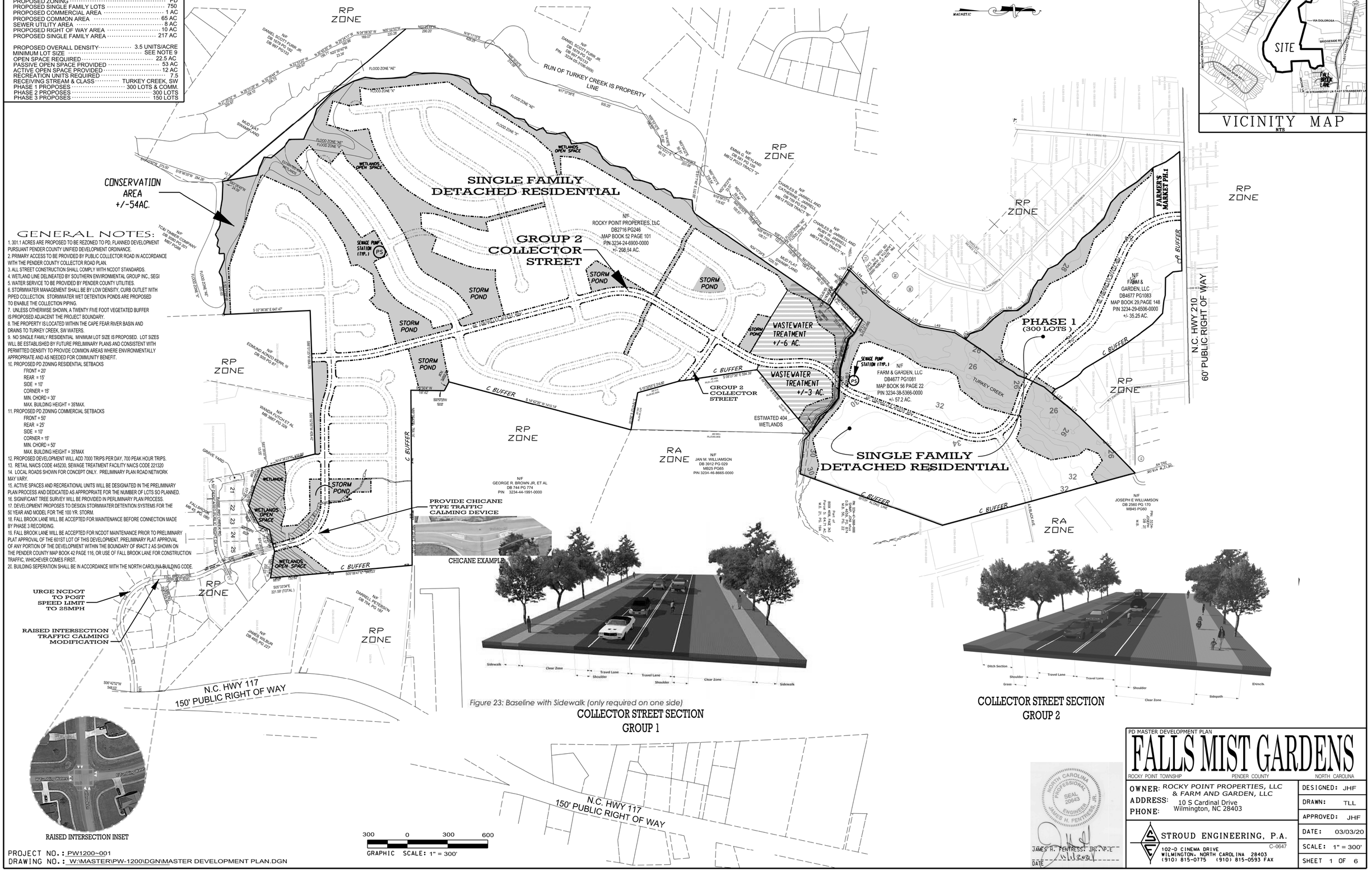
SITE DATA

PROJECT PIN'S	3234-24-6900-0000, 3234-38-5366-0000, & 3234-29-6506-0000
PROJECT AREA	301.1 AC
EXISTING ZONING	RP & RA
PROPOSED ZONING	PD
PROPOSED SINGLE FAMILY LOTS	750
PROPOSED COMMERCIAL AREA	1 AC
PROPOSED COMMON AREA	65 AC
SEWER UTILITY AREA	8 AC
PROPOSED RIGHT OF WAY AREA	10 AC
PROPOSED SINGLE FAMILY AREA	217 AC
PROPOSED OVERALL DENSITY	3.5 UNITS/ACRE
MINIMUM LOT SIZE	SEE NOTE 9
OPEN SPACE REQUIRED	22.5 AC
PASSIVE OPEN SPACE PROVIDED	53 AC
ACTIVE OPEN SPACE PROVIDED	12 AC
RECREATION UNITS REQUIRED	7.5
RECEIVING STREAM & CLASS	TURKEY CREEK, SW
PHASE 1 PROPOSES	300 LOTS & COMM.
PHASE 2 PROPOSES	300 LOTS
PHASE 3 PROPOSES	150 LOTS

GENERAL NOTES:

1. 301.1 ACRES ARE PROPOSED TO BE REZONED TO PD, PLANNED DEVELOPMENT PURSUANT PENDER COUNTY UNIFIED DEVELOPMENT ORDINANCE.
2. PRIMARY ACCESS TO BE PROVIDED BY PUBLIC COLLECTOR ROAD IN ACCORDANCE WITH THE PENDER COUNTY COLLECTOR ROAD PLAN.
3. ALL STREET CONSTRUCTION SHALL COMPLY WITH NCDOT STANDARDS.
4. WETLAND LINE DELINEATED BY SOUTHERN ENVIRONMENTAL GROUP INC., SEGI
5. WATER SERVICE TO BE PROVIDED BY PENDER COUNTY UTILITIES.
6. STORMWATER MANAGEMENT SHALL BE BY LOW DENSITY, CURB OUTLET WITH PIPED COLLECTION. STORMWATER WET DETENTION PONDS ARE PROPOSED TO ENABLE THE COLLECTION PIPING.
7. UNLESS OTHERWISE SHOWN, A TWENTY FIVE FOOT VEGETATED BUFFER IS PROPOSED ADJACENT THE PROJECT BOUNDARY.
8. THE PROPERTY IS LOCATED WITHIN THE CAPE FEAR RIVER BASIN AND DRAINS TO TURKEY CREEK, SW WATERS.
9. NO SINGLE FAMILY RESIDENTIAL MINIMUM LOT SIZE IS PROPOSED. LOT SIZES WILL BE ESTABLISHED BY FUTURE PRELIMINARY PLANS AND CONSISTENT WITH PERMITTED DENSITY TO PROVIDE COMMON AREAS WHERE ENVIRONMENTALLY APPROPRIATE AND AS NEEDED FOR COMMUNITY BENEFIT.
10. PROPOSED PD ZONING RESIDENTIAL SETBACKS
    - FRONT = 20'
    - REAR = 15'
    - SIDE = 10'
    - CORNER = 15'
    - MIN. CHORD = 30'
    - MAX. BUILDING HEIGHT = 35'MAX.
11. PROPOSED PD ZONING COMMERCIAL SETBACKS
    - FRONT = 50'
    - REAR = 25'
    - SIDE = 10'
    - CORNER = 15'
    - MIN. CHORD = 50'
    - MAX. BUILDING HEIGHT = 35'MAX.
12. PROPOSED DEVELOPMENT WILL ADD 7000 TRIPS PER DAY, 700 PEAK HOUR TRIPS.
13. RETAIL NAICS CODE 445230, SEWAGE TREATMENT FACILITY NAICS CODE 221320
14. LOCAL ROADS SHOWN FOR CONCEPT ONLY. PRELIMINARY PLAN ROAD NETWORK MAY VARY.
15. ACTIVE SPACES AND RECREATIONAL UNITS WILL BE DESIGNATED IN THE PRELIMINARY PLAN PROCESS AND DEDICATED AS APPROPRIATE FOR THE NUMBER OF LOTS SO PLANNED.
16. SIGNIFICANT TREE SURVEY WILL BE PROVIDED IN PERLIMINARY PLAN PROCESS.
17. DEVELOPMENT PROPOSES TO DESIGN STORMWATER DETENTION SYSTEMS FOR THE 50 YEAR AND MODEL FOR THE 100 YR. STORM.
18. FALL BROOK LANE WILL BE ACCEPTED FOR MAINTENANCE BEFORE CONNECTION MADE BY PHASE 3 RECORDING.
19. FALL BROOK LANE WILL BE ACCEPTED FOR NCDOT MAINTENANCE PRIOR TO PRELIMINARY PLAT APPROVAL OF THE 601ST LOT OF THIS DEVELOPMENT. PRELIMINARY PLAT APPROVAL OF ANY PORTION OF THE DEVELOPMENT WITHIN THE BOUNDARY OF IRACT 2 AS SHOWN ON THE PENDER COUNTY MAP BOOK 42 PAGE 116, OR USE OF FALL BROOK LANE FOR CONSTRUCTION TRAFFIC, WHICHEVER COMES FIRST.
20. BUILDING SEPERATION SHALL BE IN ACCORDANCE WITH THE NORTH CAROLINA BUILDING CODE.





GRAPHIC SCALE: 1" = 300'

PROJECT NO.: PW1200-001
DRAWING NO.: W:\MASTER\PW-1200\DGN\MASTER DEVELOPMENT PLAN.DGN

PD MASTER DEVELOPMENT PLAN

FALLS MIST GARDENS

ROCKY POINT TOWNSHIP PENDER COUNTY NORTH CAROLINA

OWNER: ROCKY POINT PROPERTIES, LLC & FARM AND GARDEN, LLC
ADDRESS: 10 S Cardinal Drive Wilmington, NC 28403
PHONE:

NORTH CAROLINA PROFESSIONAL SEAL 20643 ENGINEER JAMES H. FENTRESS, JR.

JAMES H. FENTRESS, JR., P.E
DATE

STROUD ENGINEERING, P.A.
102-D CINEMA DRIVE WILMINGTON, NORTH CAROLINA 28403
(910) 815-0775 (910) 815-0593 FAX
C-0647

DESIGNED:	JHF
DRAWN:	TLL
APPROVED:	JHF
DATE:	03/03/20
SCALE:	1" = 300'
SHEET	1 OF 6

PROJECT NO.: PW1200-001

PLURIS

MAURICE W. GALLARDA, PE
Managing Member

May 22, 2020

Mr. James ("Jimmy") H. Fentress Jr. PE
Stroud Engineering, PA
102D Cinema Drive
Wilmington, NC 28403

via email and original by FedEx

Re: Letter of Intent to Provide Wastewater Treatment Services to Rocky Point Properties, LLC's Falls Mist Gardens

Dear Jimmy,

This letter serves as a letter of Intent ("LOI") for Pluris to provide wastewater treatment services for the above referenced development to be located southeast of the intersection of Highway 210 and Highway 117 in the community of Rocky Point in Pender County North Carolina. The development, known as "Falls Mist Gardens" will comprise some 300 acres with 750 single family residences planned at buildout.

Pluris plans to service the development with an onsite membrane bio-reactor ("MBR") advanced wastewater treatment plant. Pluris has completed two MBR facilities over the past 10 years in Pender and Onslow counties and is presently completing its 3rd facility with startup beginning the first week of next month (June 2020).

Randy Hoffer, Pluris's North Carolina Regional Manager has reached out to you to schedule a group meeting as part of Pluris's due diligence in siting, designing, and permitting the MBR facility within planned development. Our design engineer Michael Gallant, PE will be in attendance and providing Mark Maynard plans on attending, I will make an effort to be there as well.

Prior to the meeting, it may facilitate discussion by providing Randy with information that will allow him and Michael to do some preliminary conceptual planning for the MBR facility. Information might include an estimated buildout schedule for the entire 750 residences, available land for siting the MBR treatment plant and contemplated high rate infiltration pond, and any engineering drawings you may currently have for the development showing elevation differences.

As you know Pluris is regulated in accordance with § 62 of the North Carolina Public Utilities Act, as a public utility. The Act requires the North Carolina Utilities Commission ("NCUC") to approve new service areas of all utilities and Fall Mist Gardens is a new service area. Upon execution of a definitive developer agreement between Pluris and Rocky Point Properties, LLC, Pluris will submit an application to the NCUC for review and approval. The developer agreement will include all binding terms between the parties.

I appreciate you and Rocky Point Properties, LLC considering Pluris for this project and should Mr. Maynard desire to evaluate Pluris's reputation and performance I will be happy to provide contacts within the development industry, local municipal and county boards and agencies, as well as the regulatory agencies including the North Carolina Department of Environmental Quality ("NCDEQ") and the NCUC.

Sincerely,

Maurice W. Gallarda, PE
Managing Member

CC: Randy Hoffer (via email)
Michael C. Gallant, PE, PA (via email)

T:214.220.3412 I F:214.965.9090 I mgallarda@plurisusa.com

STROUD ENGINEERING, P. A.
CONSULTING ENGINEERS
102D CINEMA DRIVE
WILMINGTON, NORTH CAROLINA 28403
WWW.STROUDENGINEER.COM
LICENSE NO. C-0647

ROCKY POINT PROPERTIES, LLC.
AND FARM AND GARDEN, LLC
PROPERTIES BETWEEN
HWY 210 & US HWY 117 S
FALLS MIST

Community Informational Meeting Report

One required community meeting was held from 5:30 pm to 8:30 pm on Wednesday, July 8, 2020 at the Pender County Miller's Pond Park. This meeting was organized by Stroud Engineering, PA to provide adjoining residents an opportunity to review the proposal, ask questions, and voice concerns regarding the proposed conditional use rezoning. The residents were notified by mail of the meeting concerning the proposed rezoning.

There were at least thirty adjoining residents, two Stroud Engineering, PA representatives, the property ownership, a senior Transportation Engineer from Davenport Engineering, and three Pender County Planners. A reporting of the attendees is attached. There were several inquiries of Stroud Engineering in the weeks leading up to the meeting. Primary concerns were traffic, flooding, drainage, safety, property value, visual pollution and value of proposed homes.

The majority of the comments and concerns were from the Fall Brook Subdivision Community residents. Their general questions (and the answers provided) follows:

Traffic :

Traffic was a primary concern, as likely increased from the proposed PD neighborhood of the seven hundred and fifty proposed homesites. Fall Brook Lane was dedicated as a twenty wide North Carolina Department of Transportation, NCDOT, collector road in 2008. Many of the resident's park alongside the street. The attending homeowners of Fall Brook were made aware of the Pender County Collector Street Plan that emanates from their neighborhood. The concern is that the collector connection will create a bypass around Rocky Point and cause a significant increase in traffic? Fall Brook residents are concerned that their narrow roads will not be widened.

Another noted concern is the south bound site distance from the existing US Highway 117 overpass to the north in its relation to the main Fall Brook entrance. The traffic increase could cause back-ups leading into the existing subdivision for north bound traffic making a left into Fall Brook Lane. There was some concern that existing wildlife would be disturbed.

The Fall Brook residents inquired if they could put up an emergency gate similar to a Surf City community? Such gate would likely be problematic on a publicly dedicated road.

Flooding:

Flooding as a result of the increased impervious was a reported concern. Balcombe Road residents reported flooding along Turkey Creek was already a problem. A picture of recent street and lot flooding in the area was provided by one of the residents who claimed to have built the adjacent house. Several Fall Brook residents reported the roadside ditches being frequently overwhelmed. Concerns of the adequacy of existing culverts was also expressed.

Schools:

Fall Brook residents expressed concern about the overcrowding of the schools in the area. They questioned the existing schools ability to accommodate increased student age population. Stroud Engineering reported that the Pender County School system is aware of the proposed development.

Safety:

The Fall Brook community is concerned about the safety of their children with increased amounts of traffic traversing their neighborhood indicating that their children frequently play in the streets. Stroud Engineering represented that the proposed development's collector streets include bike lanes and sidewalks for improved pedestrian access.

Various questions:

- When will the construction start? *18 months +/- for approval and permits.*
- Concerns of existing homes being devalued by the additional traffic.
- What size lots are proposed? *The PD zone is proposed to enable a diversity of lot sizes.*
- Residents want to be made aware of all upcoming meetings for attendance.
- Where will wastewater treatments be located?
- Any other ideas for alternate outlets?

Please see attachments supplied by Stroud Engineering.

Thanks,

James H. Fentress Jr. PE, PLS



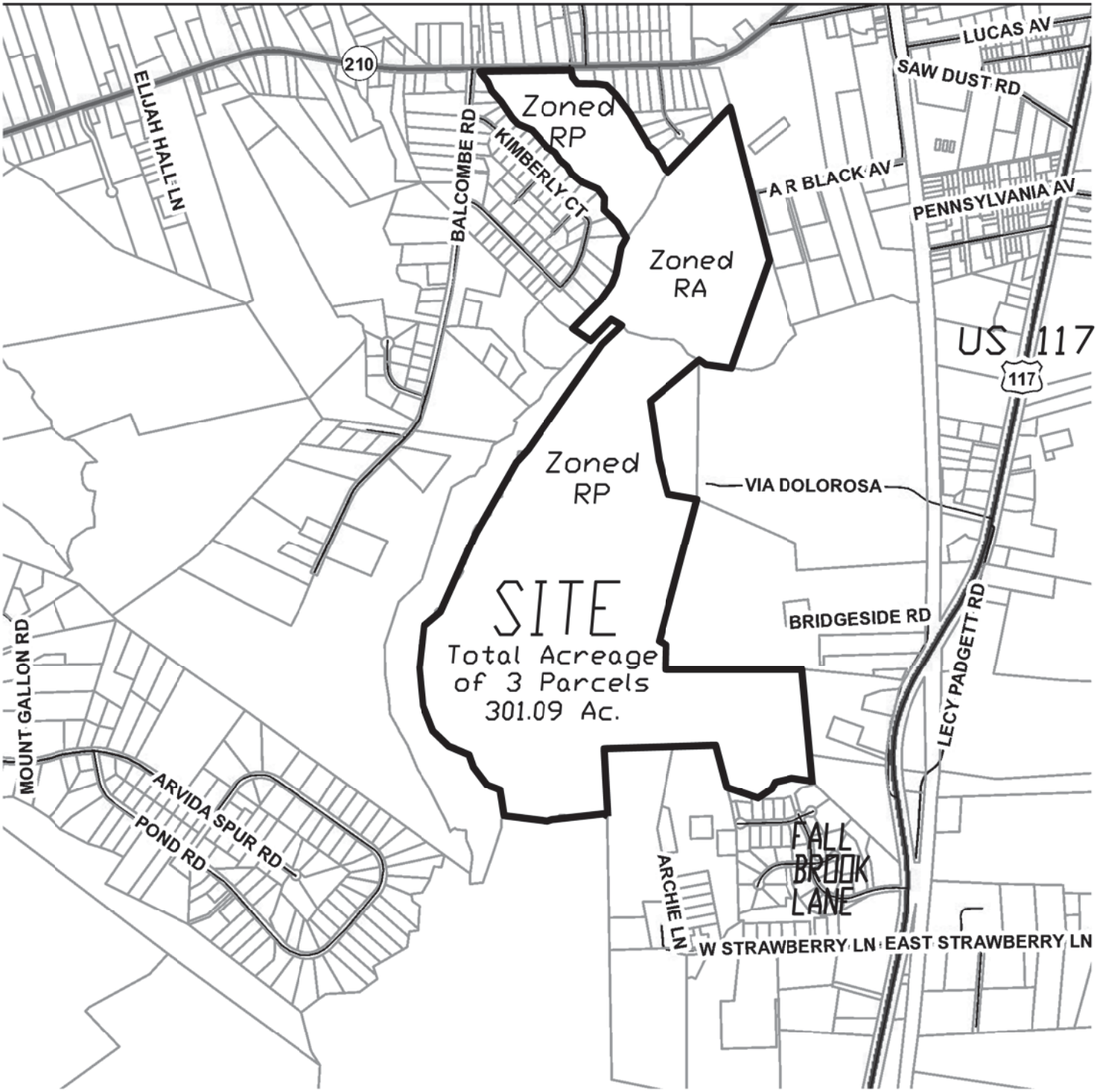
Attachments

JHF/jf
File W:\Master\PW-1200\wpd\COMMUNITY MEETING\FALLS MIST COMMUNITY MEETING REPORT.doc

107B COMMERCE STREET
GREENVILLE, NORTH CAROLINA 27858
252.756.9352

102D CINEMA DRIVE
WILMINGTON, NORTH CAROLINA 28403
910.815.0775

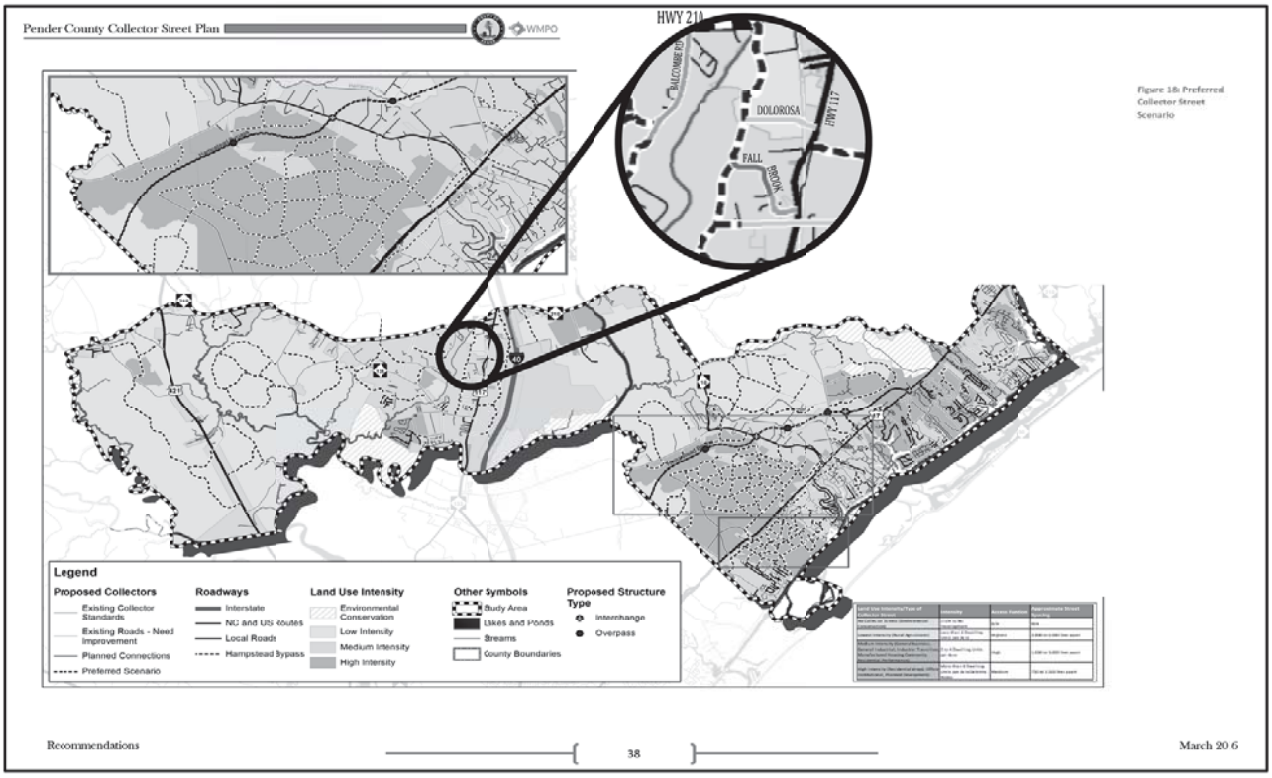
3302C BRIDGES STREET
MOREHEAD CITY, NORTH CAROLINA 28557
252.247.7479



VICINITY MAP

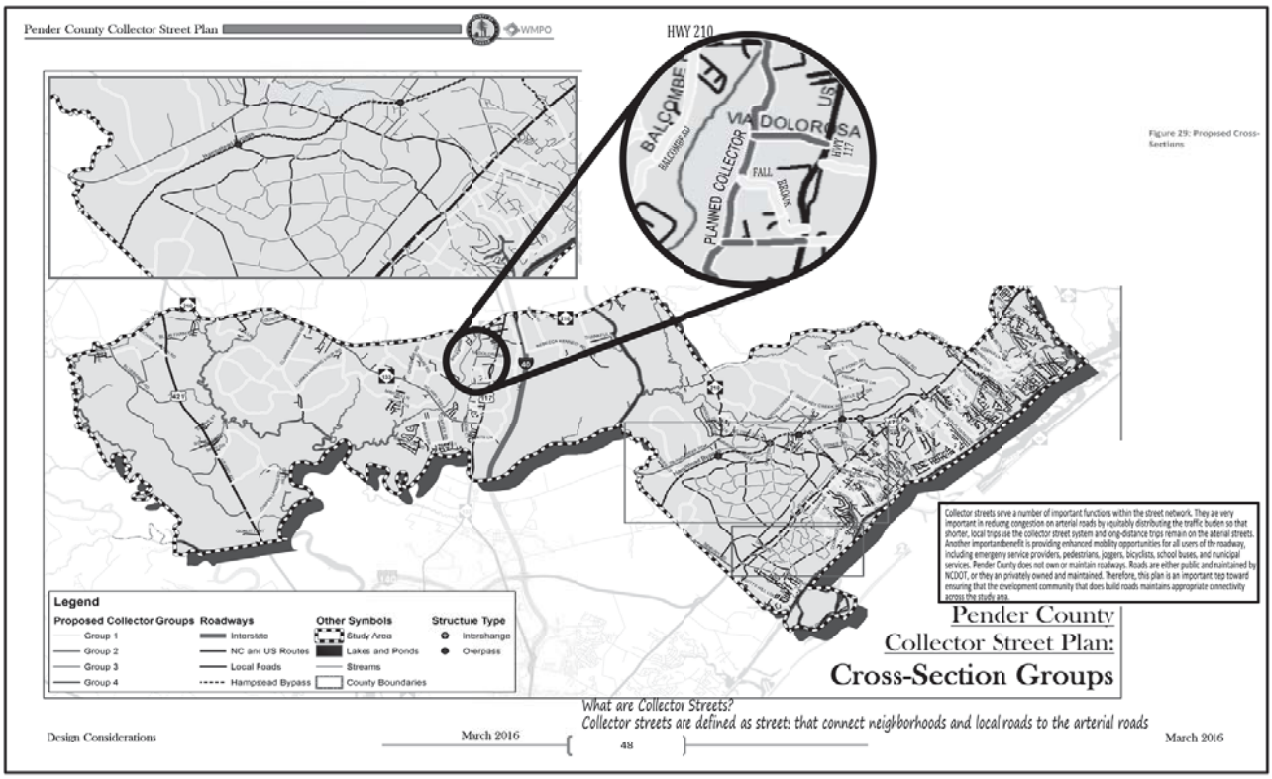
for a Planned Residential Development

Engineered and Planned by:
Stroud Engineering, PA
102-D Cinema Dr.
Wilmington, NC 28403
910-815-0775



Pender County Collector Street Plan

Final Report 2016 WMPO



FALLS MIST - COMMUNITY MEETING (JULY 8TH, 2020)
SIGN -IN SHEET

TOTAL	NAME	ADDRESS	CONCERNS
STROUD ENG	James H. Fentress, Jr. PE	102-D Cinema Dr. Wilmington	
STROUD ENG	Tracy L. Lowe, ENG TECH II	102-D Cinema Dr. Wilmington	
~~[illegible]~~	Mat Lee Maynard Jr.	105 Castle Ct.	Developer
~~[illegible]~~	Don Bennett	Davenport ENG	
	[illegible]	237 W. Timberwinds Dr. Rocky Point	
	Cathy Jarrell	315 Balcombe Rd Rocky Pt	
	Norma Kerr	406 W Strawberry Rocky Pt	
	Pat Kerr	" " " "	
	[illegible]	16725 NC Hwy 210 Rocky Point	
	Stuart Peterson	203 Fall Brook Lane	
SEGi	Dana Lutheran	5315 S. College Sta E. Wilm 28412	
	Scott + Tammy Sheiman	164 Babbling Creek Rd, Rocky Point NC	Traffic coming through, flooding into our yards, overcrowding + noise
	Kody & Catherine Lupton	18 Babbling Creek Rd Rocky Point NC	DRIVE WAY CONNECTS TO THE FEEDER ROAD THAT CANNOT HANDLE THE INCREASED TRAFFIC FLOW
	Tammy and Doug Chumbler	11 Babbling Creek Rd. Rocky Point NC	Road, Kids playing
	[illegible]	104 Babbling Creek Rd Rocky Point NC	driveway on "through fare", kid, safety of neighborhood, increased traffic, lose "country feel"
	Johnathan Vaughan	160 Fallbrook Ln Rocky Point	extra traffic, kids playing, schools, flooding, WATER
	[illegible]	29 [illegible] COURT	
	ED + SUSAN SCHAEFF	806 HUNTING RIDGE RD WILMINGTON	
2HC	Linda Pantle	1087 Tiger Rd Wilm.	Environmental
	Shanelle + Damian P. Hicks	193 Fallbrook Ln	Extra traffic, kids, decrease in home value, decreased land
	Teresa + Jerry James	94 Fallbrook Ln	no road access
	Scott Furr	1001 Balcombe rd	
	Kim/Matthew Bartlett	42 babbling creek Rd	Traffic, flooding, noise
	Aubrey Hartley	210 Eel Creek Ct	Traffic, flooding, safety for kids, crime,
	Chad Stenchansky	Pender Co. Planning	
	Sam Shore	Pender Co. Planning	
	TRAVIS Healey	Pender Co. Planning	

Tracy Lowe

From: Don Bennett <DBennett@davenportworld.com>
Sent: Thursday, July 09, 2020 9:40 AM
To: Jimmy Fentress; Tracy Lowe
Cc: Dionne Brown
Subject: Community meeting feedback notes.

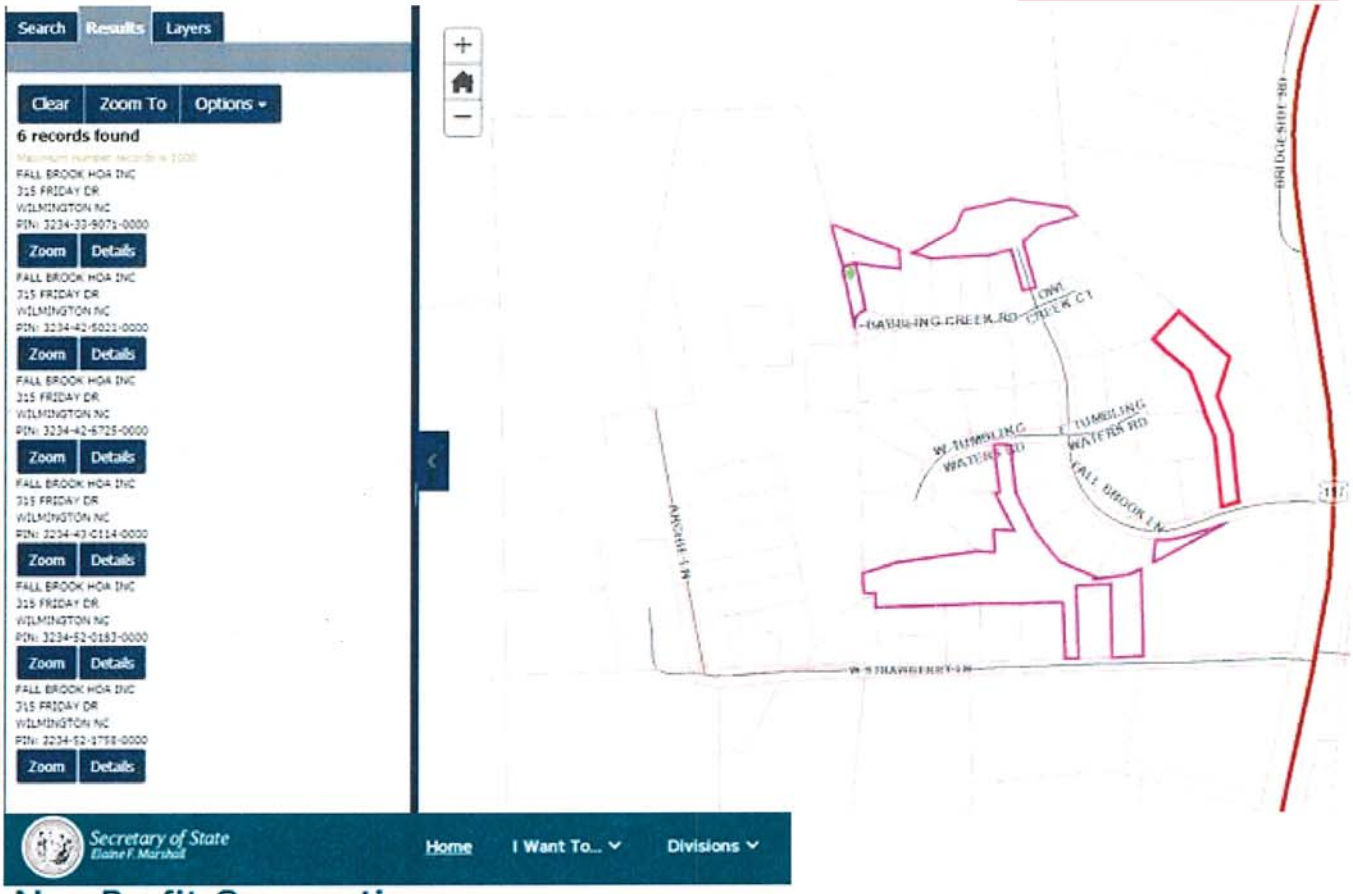
Here are the key traffic issues I heard last night at the meeting and my observations or knowledge on the matter in red.

- Sight Distance exiting Fall Brook onto 117. – After the meeting, I rode up to the roadway and rode down Fall Brook as committed to in the meeting. When exiting, there is an overturned tree in the ditch line that has some overgrowth. I will report this to NCDOT this AM as it appears to be in the ROW of 117.
- There was a concern about the total traffic load on Fall Brook. – Consistent with my experience, residents assert that two vehicles per home will leave in the AM and return in the PM, hence the 1500 number. They also assume that all those vehicles will exit in front of their house. ITE trip generation generally assigns just south of 10 trips per day to single family residential. In keeping with general practice – 10% of the daily traffic occurs in the peak period. Therefore the site will generally create about 750+/- vehicles in the full build. I would assume that about half will head to NC210, about half to US117, the residents(current) will assume a greater percentage going to 117 since that is the way to Wilmington, but.....the elementary and high school are north of the site and would logically draw parent pickup and drop off to the northern access point. None the less, this project was entitled to access this roadway and the TIA will eventually reveal what the overall increase in load is. Reviewing the counts at US117 and Fall Brook showed a definite effect of COVID as the AM volumes were much lower than Trip Gen would have estimated. Please note also, that Pender County schools has a bus stop at this location as Fall Brook is not currently publicly maintained. This could potentially create issues at the Planning Board/Commissioner meeting and we would do well to have documentation that buses will stop in the neighborhood for pickup once the road is publicly maintained. This will provide some traffic calming in the AM peak for the increases in traffic.
- With of Fall Brook Lane/Cars parked on Fall Brook - I rode Fall Brook all the way to the back and it appears to be in decent condition, one cross line cut, but is a standard NCDOT 20' cross section for the roadway. My experience has been that the sidewalks are likely in an easement off the ROW and would still be the maintenance responsibility of the HOA.(More on that later) NCDOT does not maintain sidewalks in the ROW. There was one vehicle parked with its driver side wheels on the pavement, ironically it was Bob's.(Green Bay and Oklahoma stickers gave it away) One statement was made that cars park on the street due to insufficient driveways to store household vehicles. Casual observation during my ride through showed that most of the garages(it appeared all homes had two car garages) that had the doors open were more attached storage for lawn and sporting equipment. Bob was correct that his Mustang was in the garage, but street view images and yesterday seem to confirm that Bob regularly parks parallel to Fall Brook.
- There was discussion about two items that were not necessarily related to current conditions and requests for changes to the initial design. –
    - Gated Access, that would be up to the Pender County planners and NCDOT. If the roads are to become State maintained, gating would be a non-starter. That in and of itself would perpetually make all of Fall Brook a privately maintained roadway and I am pretty sure that would not fly with regard to the collector street plan concept.
    - The other was making the roadway less attractive as a cut through. That is possible through design. When I was with Wilmington, it became clear through the neighborhood traffic calming program that interconnectivity was a good thing, but a straight path invited speeds that were not aligned with neighborhood character. The road system in the new development could be aligned in a way that still creates the connection, but would require multiple stop/turn, T intersection arrangements that would dissuade through traffic while still allowing multiple points of ingress and

egress from both the existing and proposed residential. Whether that meets the NCDOT Subdivision road design guidelines would have to be investigated.

- The HOA – There was a comment made during the meeting that there is no HOA in the neighborhood. Odd, as Pender GIS shows three parcels in the neighborhood deeded to the HOA and under their liability and maintenance. It would appear that the developer of the neighborhood left a couple of strings untied when the neighborhood was completed.
- Lastly – After the bulk of the crowd had left, I had a discussion with one of the younger persons about the TIA. I cannot recall his name. I reassured him that the TIA will be prepared to NCDOT standards and that the only influence the developer has on that process is the number of units per phase. Everything else is done by the NCDOT book for TIA's. That seemed to give him some comfort that it will be studied, and the developer may have to make improvements to the interface with the existing intersections at NC210 and US117 to mitigate the impacts of the proposed development.

Don Bennett | Senior Transportation Engineer
DAVENPORT
3722 Shipyard Blvd, Suite E | Wilmington, NC 28403
t (910) 550-3741 ext: 22212
c(910) 599-1380
website | map | email



Secretary of State
Elaine F. Marshall

Home | I Want To... | Divisions

Non-Profit Corporation

Legal Name
Fall Brook Homeowners' Association, Inc.

Information

SosId: 1106542
Status: Current-Active
Date Formed: 7/13/2009
Citizenship: Domestic
Annual Report Due Date:
Annual Report Status: Current
Registered Agent: Tucker, Thomas N.

Addresses

Reg Office
315 Friday Drive
Wilmington, NC 28411

Reg Mailing
315 Friday Drive
Wilmington, NC 28411


Balcombe Rd.

Pender County Agencies

County Manager's Office

No response

Pender County Public Works

No response

Pender County Utilities

- PCU is interested in the phases of construction. Stroud Engineer mentioned that the development will be build on phases of 100 homes per phase. PCU agreed with the ratio.
- PCU is interested on Waste Water Treatment Design. Stroud Engineer mentioned that the intention is to have Pluris build a membrane WWTP. PCU agreed with the decision as long as it is a membrane plant as discussed.

Pender County Environmental Health

No response

Pender County Emergency Management

Pender County Fire Marshal

- Collector road from NC Hwy 210 to FallBrook must meet NC DOT and support 75,000 lbs
- Full completion of the roadway from NC Hwy 210 and US Hwy 117 S completed at the time on the start by the 100th house

Pender County Parks and Recreation

- Interested in potential of fee-in-lieu for recreational units

Pender County Board of Education

- Major concern is capacity, though proposed timeline (50 units/yr) should give time for infrastructure to keep up

Pender County Sheriff's Department

No response

Pender County Addressing Coordinator

- Request must be made to reserve road names per Pender County's Unified Development Ordinance Section 11.5.1.C. The request should include a list of requested names and alternates for review.
- Street signs must meet the County Specifications as noted in the County's Unified Development Ordinance Section 11.10.2.A
- The Pender County GIS Division interprets Pender County UDO §11.4.3 regarding prohibited road names as being valid for subdivision names as well. In this case Falls Mist Gardens is too similar to an existing subdivision name, and we ask that a new name and possible alternatives be submitted. This can be emailed to me and does not require a new preliminary plan

submission. Please also be aware that the collector street on your preliminary plan would need to retain the name of FALL BROOK LN since it extends an existing street.

Pender County Soil & Water Conservation
No response

Pender County Permitting Division
No response

Pender County Flood Plain Manager
No response

Pender County Code Enforcement
No response

Pender County Building Inspections
No response

Pender County Library
No response

Transportation

NCDOT - District Engineer Office
Project currently in the TIA process. Will require subdivision plan approval and encroachment agreement possible.

NCDOT - Division Engineer Office
No response

NCDOT – Transportation Planning Branch
No response

Wilmington Metropolitan Planning Organization (WMPO)
No response – collaborating through TIA process to coordinate improvements

Cape Fear Rural Planning Organization (RPO)
No response

Statewide Organizations

Division of Energy, Mineral and Land Resources (Stormwater Management)
No response

Division of Energy, Mineral and Land Resources (Erosion Control)
No response

Division of Coastal Management
No response

US Army Corps of Engineers
No response

NC Wildlife
No response

State Archeology
No response

Division of Underground Storage Tanks
No response

Utilities

Duke Energy
No response

Four County Electric
No response

Pluris Holdings LLC
No response

Piedmont Natural Gas
No response

AT&T
No response

Pender County

Request For Board Action

DATE OF MEETING:	April 19, 2021
REQUESTED BY:	Travis N. Henley, Director, Planning and Community Developm
SHORT TITLE:	Resolution Requesting Approval of a Conditional Zoning Map Amendment from RP, Residential Performance zoning district and RA, Rural Agricultural zoning district to PD-CD1, Planned Development Conditional zoning district 1.
BACKGROUND:	Stroud Engineering, applicant, on behalf of Rocky Point Properties LLC and Farm and Garden LLC, owners, is requesting the approval of a Conditional Zoning Map Amendment for three (3) tracts totaling approximately ±301.09 acres from RP, Residential Performance and RA, Rural Agricultural zoning districts to PD-CD1, Planned Development Conditional zoning district 1. This request is to allow for 750 single family detached residential units, associated sewage treatment facility (NAICS 221320), and a farmers' market (NAICS 445230).
SPECIFIC ACTION REQUESTED:	To Hold a Public Hearing and Consider the Approval of a Zoning Map Amendment from RP, Residential Performance zoning district and RA, Rural Agricultural zoning district to PD-CD1, Planned Development Conditional zoning district 1.

RESOLUTION

NOW, THEREFORE BE IT RESOLVED by the Pender County Board of Commissioners that:

on January 19, 2021 the Pender County Board of Commissioners (approved, modified, denied) the Conditional Zoning Map Amendment, as described herein. The Chairman/County Manger is authorized to execute any/all documents necessary to implement this resolution.

AMENDMENTS:

MOVED: **SECONDED:**

☐ APPROVED ☐ DENIED

YEA VOTES: ☐ BROWN ☐ MCCOY ☐ NEWTON ☐ PIEPMEYER ☐ WILLIAMS

04/19/2021

George R. Brown, Chairman Date

04/19/2021

Clerk to the Board Date

Pender County
SUP 2021-22

TO:	Board of County Commissioners
FROM:	Greg Feldman
DATE:	November 15, 2021
SUBJECT:	Resolution Requesting Approval of a Special Use Permit

SUMMARY:
Marie Peedin, applicant, on behalf of Barnes Boykin, owner, is requesting approval of a Special Use Permit for the construction and operation of a 10,500 square foot Family Dollar retail store.
The subject property is on the northeastern corner of the intersection of US HWY 421 and Montague Road in the Grady Township.

ACTION REQUESTED:
To hold a Public Hearing and consider the Special Use Permit.

STAFF REPORT FOR SUP 2021-22
SPECIAL USE PERMIT APPLICATION

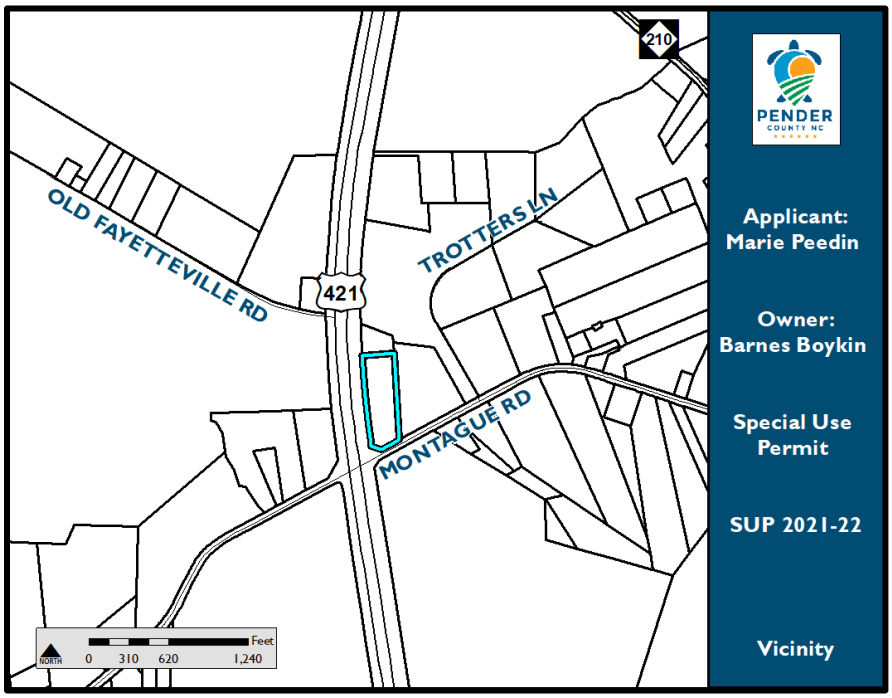
APPLICATION SUMMARY	
Case Number	SUP 2021-22
Hearing Dates	November 15, 2021 Board of Commissioners
Applicant	Marie Peedin
Property Owner(s)	Barnes Boykin
Parcel Identification Number	2285-63-0939-0000
Acreage	2.07
Township	Grady
Zoning District	RA, Rural Agricultural
Pender 2.0 Future Land Use Category	Rural Agriculture

SPECIAL USE PERMIT PROPOSAL

Marie Peedin, applicant, on behalf of Barnes Boykin, owner, is requesting approval of a Special Use Permit for the construction and operation of a 10,500 square foot Family Dollar retail store.

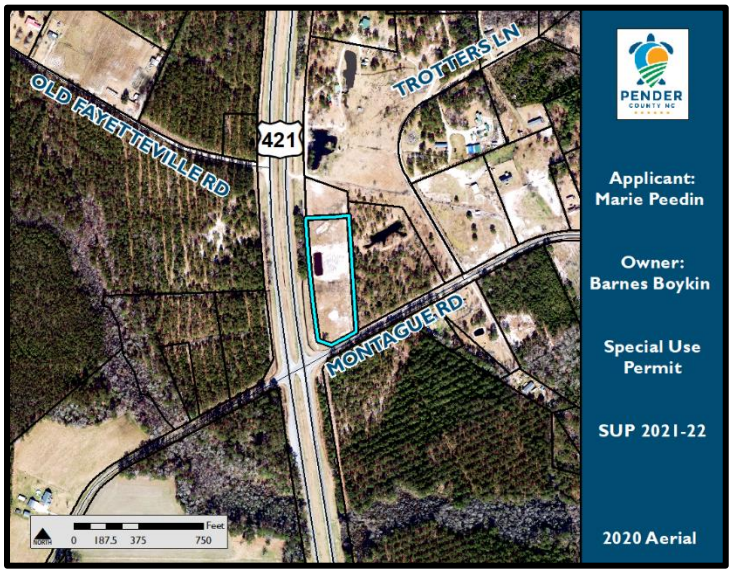
LOCATION

The subject property is on the northeastern corner of the intersection of US HWY 421 and Montague Road in the Grady Township.



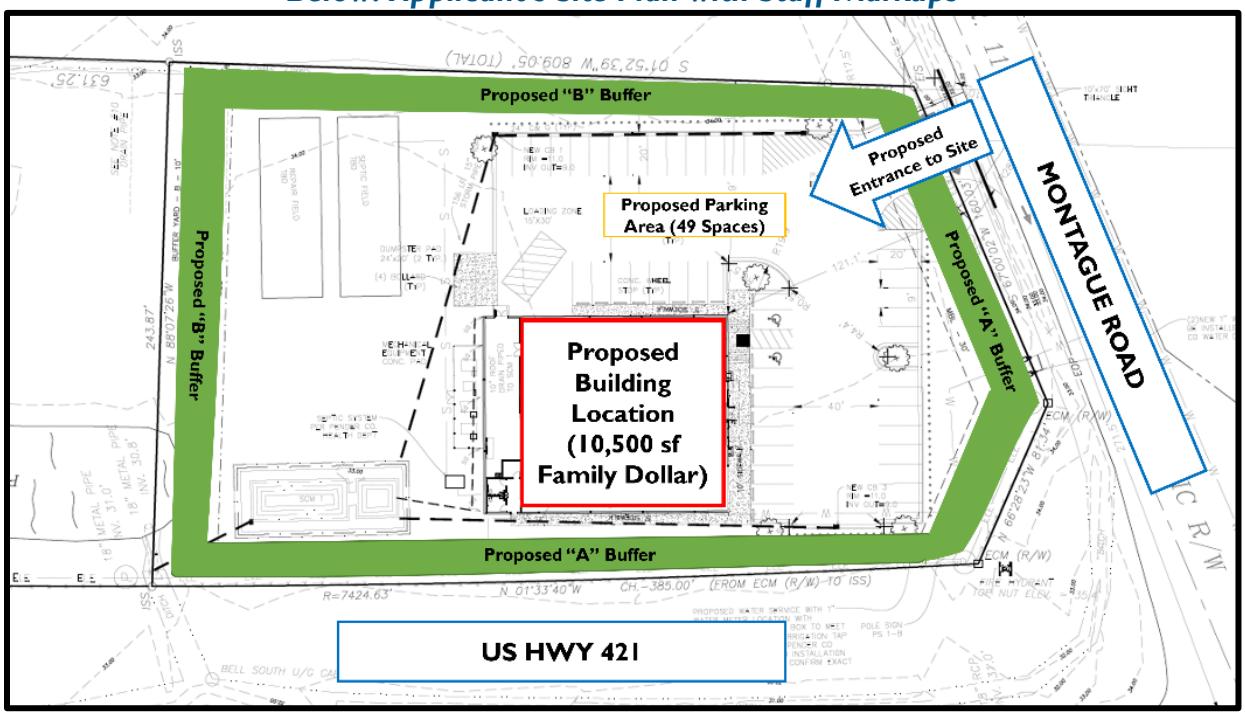
SPECIAL USE PERMIT PROPOSAL

The applicant is seeking to obtain a Special Use Permit in order to construct a 10,500 square foot Family Dollar retail store. According to the applicant's submitted narrative, the proposed store will serve as a commercial retail store with needed parking and signage.



As illustrated on the submitted site plan, the proposed building will be located on the southern portion of the property. Associated parking will be located along the southern and eastern portions of the property. The applicant has also indicated that the proposed site plan will require a recordation of a map of recombination with the Pender County Register of Deeds office.

Below: Applicant's Site Plan with Staff Markups



Prior to issuance of final zoning approval, a site development plan must be submitted and approved in accordance with all applicable provisions of the Pender County Unified Development Ordinance. The site development plan shall be reviewed by members of the Pender County Technical Review Committee (TRC). Furthermore, the proposal is subject to all other applicable federal, state, and local permits and approvals.

Hours of Operation
According to the applicant, the hours of operation for the site will be from 9:00 am to 9:00 pm, daily.

Access
The site is proposed to be accessed from Montague Road, an NCDOT State-maintained local road, as classified by the NCDOT Functional Classification Map. According to the applicant's site plan, the proposed driveway is approximately 272 feet east of the intersection of US HWY 421 and Montague Road.

Traffic
The Pender County UDO requires a Traffic Impact Analysis when a development generates more than 100 trips in the morning or evening peak hours and over 1,000 trips per day. As proposed, this development would not require a TIA.

NCDOT Average Annual Daily Traffic (AADT) – 2019; WMPO Roadway Capacities – 2019

Road	Location	Volume	Capacity	V/C
Montague Rd	East of US 421	-	13,894	-
Montague Rd	West of US 421	420[1]	13,894	0.03
US HWY 421	At Montague Rd	5,700	43,856	0.13

[1]2016 NCDOT AADT

Because a Traffic Impact Analysis has not been completed at this time that analyzes roadway impacts as a result of the development, the volume to capacity ratio for US HWY 421 and Montague Road near the subject site has been provided. This ratio is based on average daily trips and the design characteristics of a given roadway, which can provide a general idea of the function of such roadway. Based upon the available volume to capacity data, US HWY 421 and Montague Road in this area has capacity to handle the anticipated traffic volume increases associated with the proposed special use permit request.

Parking
The proposed use requires a minimum of 47 parking spaces, however, according to the submitted site plan, the applicant is proposing a total of 49 parking spaces. Parking standards will be reevaluated during the major site review process to ensure compliance with the UDO.

Pender County UDO Section 7.10, Off-Street Parking and Loading/Parking Requirements	
Specific Use	**Minimum Spaces**
Retail Sales and Service; Proposed 10,500 sf Family Dollar	1 per 225 SF Floor Area; 47 spaces required; 49 spaces proposed

Landscaping and Buffers
All landscape and buffers are to be approved in accordance with Section 8.2.7, Project Boundary Buffer of the Pender County Unified Development Ordinance. The applicant's submitted site plan indicates a Buffer "A" along all street boundaries of the site and a Buffer "B" along all other non-street boundaries. As proposed, buffering is in compliance with the Pender County UDO. If approved, all buffers will be evaluated when a site-specific plan is submitted.

Required and Proposed Buffers	
Buffer Type	**Location of Buffer**
Type A	Adjacent US HWY 421 & Montague Road
Type B	Adjacent to all non-street boundaries (north and west of subject property)

Signage
Any signage required by federal, state, and local agencies will be reviewed for compliance during the site development plan review process.

Utilities
The applicant has indicated that Pender County Utilities (PCU) will be contacted to extend water service to the site and Four County will provide electrical service to the site. The applicant is currently coordinating with a private sewer design engineer and the North Carolina Department of Environmental Quality to design and permit an on-site wastewater system to accommodate the proposed use.

ENVIRONMENTAL CONCERNS	
Special Flood Hazard Areas	The subject property does not contain any Special Flood Hazard Areas[1].
Wetlands	Portions of the subject property contain characteristics of wetlands[2, 3]. The location of any wetlands will be verified during the site development plan review process, and any development within these wetlands is subject to review and approval from the U.S. Army Corps of Engineers.
Areas of Environmental Concern	The subject property does not contain any Areas of Environmental Concern (AEC)[4].

[1] According to the effective regulatory and preliminary Flood Insurance Rate Maps NC Flood Risk Information System (NC FRIS)
[2] According to the NC Division of Coastal Management (NC DCM)
[3] According to the National Wetlands Inventory (NWI)
[4] According to the North Carolina Department of Environmental Quality (NCDEQ)

PUBLIC NOTICE

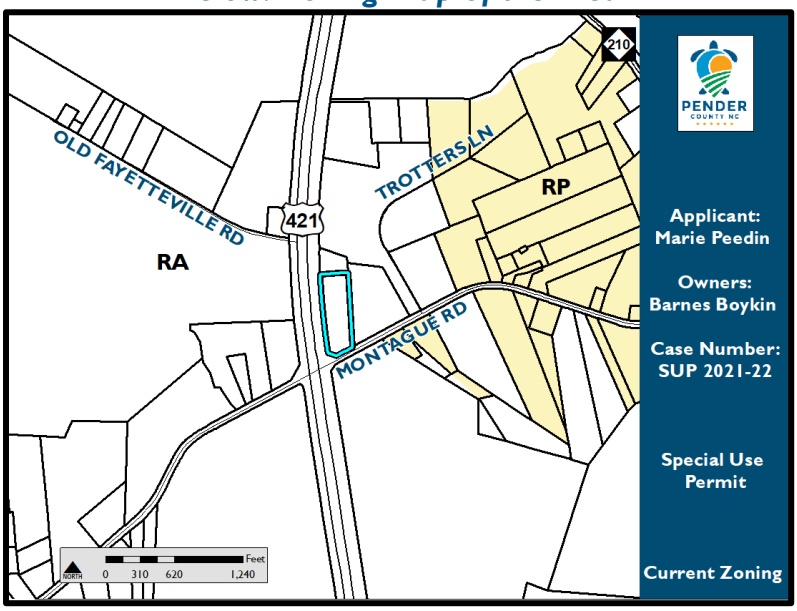
Public Notice for the Special Use Permit request has been advertised in the Pender-Topsail Post and Voice. In addition, all adjacent property owners within 500' of the proposed development have been given written notice of this request, and a public notice sign has been placed on the subject site.

EVALUATION

Basis for Granting SUP

Approval and revocation procedures for Special Use Permits are located in Sections 3.12.3 and 3.12.4 of the Pender County Unified Development Ordinance. These sections are provided as Attachment 1.

Below: Zoning Map of the Area



CHARACTERISTICS OF THE SURROUNDING AREA		
	LAND USE	**ZONING**
North	Single Family Residential, Undeveloped	RA, Rural Agricultural
East	Single Family Residential, Undeveloped	RA, Rural Agricultural
South	Single Family Residential, Undeveloped	RA, Rural Agricultural
West	Single Family Residential, Undeveloped	RA, Rural Agricultural

Unified Development Ordinance Compliance

The subject property is zoned RA, Rural Agricultural zoning district and according to Section 5.2.3 of the Pender County Unified Development Ordinance, Miscellaneous Retail Stores are permitted in this zoning district via Special Use Permit.

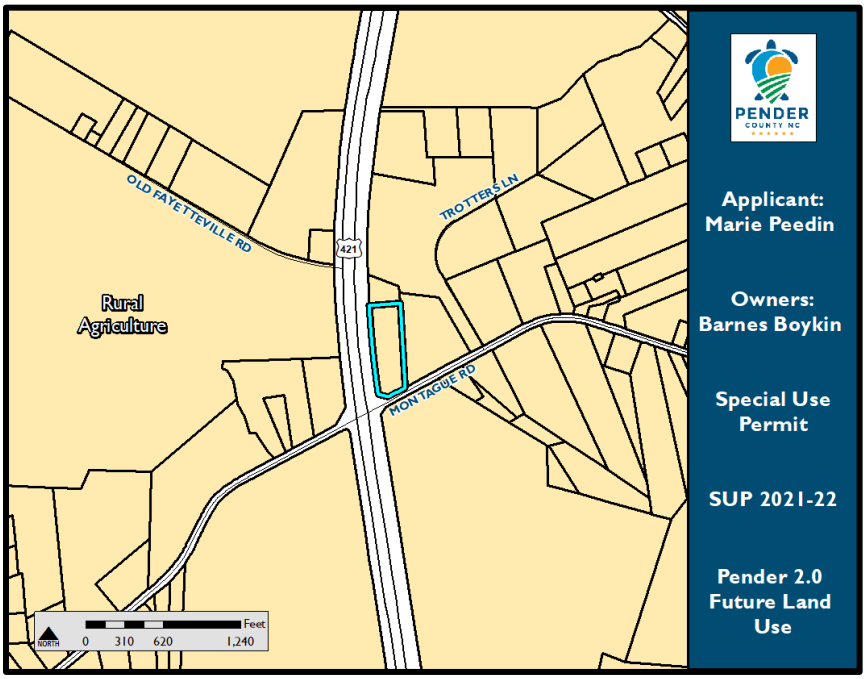
		Zoning Districts									
Use Type	**Ref NAICS**	**RA**	**RP**	**RM**	**MH**	**PD**	**GB**	**OI**	**IT**	**GI**	**EC**
Sectors 44-45 RETAIL TRADE											
Miscellaneous Store Retailers	453	S				P	P				

The Rural Agricultural District is intended to accommodate non-residential agricultural uses and very low-density residential development (minimum of 1 du/ac), as well as limited non-residential uses, in rural areas adjacent to agricultural operations.

Pender County 2.0: Comprehensive Land Use Plan Compliance

The subject property is classified as Rural Agriculture in the Pender County 2.0: Comprehensive Land Use Plan. The Rural Agriculture land use classification supports and protects Pender County's agricultural areas, an essential part of the County's economy and agricultural heritage. Agriculture uses are highly encouraged, as consideration should be given to the preservation of prime farmland soils for continued prosperity of farming and forestry operations. In addition to agriculture, very low-density single family residential development (conventional-built and manufactured) are appropriate in these areas.

Furthermore, commercial, civic, office, and institutional uses are permitted where compatible with existing neighborhoods and as a resource or employment opportunity for area residents. The proposed use is consistent with Rural Agriculture future land use classification within the Pender County 2.0 Comprehensive Land Use Plan because it has the potential to provide employment opportunities and services to nearby residents.



In addition to the proposal's consistency with the Future Land Use Map, the proposed Special Use Permit is also consistent with the following goals, objectives, and policies within the Pender 2.0 Comprehensive Land Use Plan:

> **Policy 5.1.K: Commercial Development:** The County supports a wide range of commercial development, particularly those businesses that provide needed services to residents and visitors, provided that the impacts on traffic are minimized.
>
> **Policy 5.1.FF: Rural Non-Residential Uses:** The County shall continue to accommodate limited non-residential uses in rural areas.

The proposed commercial retail use is consistent with the above policies because it is located at an intersection of a local residential road and major corridor where nearby residents and traveling motorists can access goods and services. In addition, the proposed use can serve as an employment resource for neighboring residents.

PROPOSED CONDITIONS

Conditions to Consider in Issuing a Special Use Permit for this Project

1. The project shall comply with all requirements of the Pender County Unified Developed Ordinance.
2. The obligations imposed by this permit will be the responsibility of the property owner and shall continue in effect for the duration of this permit.
3. The applicant shall meet all other local, state, and federal regulations.
4. Final zoning approval shall not be issued until the applicant provides all North Carolina Department of Environmental Quality wastewater permits to the Planning and Community Development department.
5. Any violations of the conditions of this permit, confirmed by the Zoning Administrator shall result in this permit becoming void, if not corrected within 30 days of receipt of the notice of violation.
6. Unless a request for additional time is granted or approved otherwise as a condition of the permit, a Special Use Permit shall expire and become void if final Zoning Approval has not been issued for the project within 24 months after the Notice of Approval of the Special Use Permit has been served on the applicant.

Pender County
Planning and Community Development

805 S. Walker Street
PO Box 1519
Burgaw, NC 28425

Phone: 910-259-1202
Fax: 910-259-1295
www.pendercountync.gov

Special Use Permit Submission

Applications will be considered for the Board of County Commissioners hearing and reviewed by Staff only when deemed complete. The application will be regarded as incomplete until the following items are received by the Planning and Community Development Staff.

1. ✓ **Pre-submittal Meeting**
   Date of Meeting _____
2. ✓ **Signed Application**
3. ✓ **Payment**
   $300 for the first 5 acres; $10 per acre over 5 acres of the project area
4. ✓ **Site Plan**
   All Site Plans submitted must be in accordance with Section 3.12.2 of the Unified Development Ordinance.
5. _____ **Digital Submission**
   For all documents submitted in paper copy, bring a digital copy with paper submission.
6. ✓ **Adjacent Property List**
   The applicant shall provide to the Administrator a list of names and addresses of the owners of all properties located within 500-feet of the perimeter of the project bounds along of the property under consideration.
7. ✓ **Adjacent Property Envelopes**
   The applicant shall provide one (1) set of #10 envelopes with typed addresses to each person on the owners of all properties located within 500-feet of the perimeter of the project bounds and accompanied with the required amount for first class postage.
8. ✓ **Project Narrative**
   A description of the proposed Special Use Permit including response to the standards set forth in Section 3.12.3.G of the Unified Development Ordinance.

I certify that all information presented in this application is accurate to the best of my knowledge.

Signature of Applicant _____ Date 8/23/21

Printed Name Marie Peedin

Staff Initials: _____
Date: _____

APPLICATION FOR SPECIAL USE PERMIT

THIS SECTION FOR OFFICE USE			
Application No.	SUP	**Date**	
Application Fee	$	**Invoice Number**	
Pre-Application Conference		**Hearing Date**	

SECTION 1: APPLICANT INFORMATION

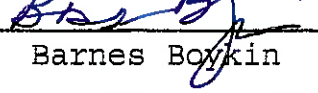
Applicant's Name:	Marie Peedin	**Owner's Name:**	Barnes Boykin
Applicant's Address:	PO Box 154	**Owner's Address:**	2405F Nash St NW
City, State, & Zip	Washington, NC 27889	**City, State, & Zip**	Wilson, NC 27896
Phone Number:	252-945-2983	**Phone Number:**	252-230-0632
Email Address:	mupeedin@ibxengineering.com	**Email Address:**	barnesboykin@yahoo.com

Legal relationship of applicant to landowner: Engineer of Record

SECTION 2: PROJECT INFORMATION

Property Identification Number (PIN):	2285-63-0939-000	**Total property acreage:**	2.07
Zoning Classification:	RA	**Acreage to be disturbed:**	2.07
Water Provider:	County	**Wastewater Provider:**	onsite
Project Address:	Montague Road, Currie , NC	**NAICS Code:**	453
Description of Project Location:	US421 & Montague Road (SR 1113) located on the northeast corner		
Describe activities to be undertaken on project site:	Construction of a 10,500 sf building for commercial retail use with needed parking and signage.		

SECTION 3: SIGNATURES

Applicant's Signature		**Date:**	8/17/2021
Applicant's Printed Name:	Marie U. Peedin	**Date:**	8/17/2021
Owner's Signature		**Date:**	8/17/21
Owner's Printed Name:	Barnes Boykin	**Date:**	8/17/21

NOTICE TO APPLICANT

1. Applicant must also submit the information described on the Special Use Checklist.
2. Applicant or agent authorized in writing must attend the public hearing.
3. Once the public hearing has been advertised, the case will be heard unless the applicant withdraws the application or unless the Board of Commissioners or other authorized person agrees to table or delay the hearing.
4. Applicant may wish to review the required findings for approval of a Special Use Permit found on page 1 of this application
5. **Permit will become void after 12 months if a final zoning permit is not obtained, unless specifically requested at the time of public hearing.**

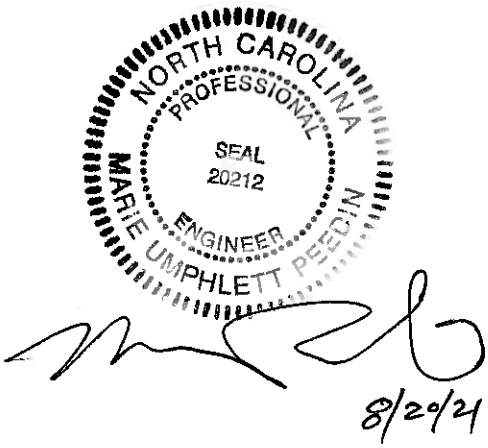
Office Use Only						
☐ **$ 300 for the first 5 acres; $10 per acre over 5 acres of the project area**					**Total Fee Calculation: $**	
					Application#:	
					Date of Hearing:	
Attachments Included with Application: (Please include # of copies)						
CD /other digital version	☐ Y ☐ N	Plan Sets	# of large	# of 11X17	Other documents/Reports	☐ Y ☐ N
Payment Method:	**Cash :** ☐ $_____		**Credit Card:** ☐ Master Card ☐ Visa		**Check:** ☐ Check # _____	
Application received by:					Date:	
Application completeness approved by:					Date:	

Special Use Plan Narrative

FOR

General Retail
Currie

Pender County, NC



PREPARED BY:

Inner Banks Engineering, PC
PoBox 154
WASHINGTON, NC 27889
252.945.2983

LOCATION:

This site is located at the NE corner US Hwy 421 and Montague Road (SR1113) South of Currie, North Carolina. The parcel id number is 2285-63-0939-000.

DESCRIPTION:

The owners are requesting special use within the RA zoning to construct a 10,500 sf retail store. The store hours are from 9am – 9 pm daily. The store will employee up to 18people. The store will offer full time employment with benefits and part – time opportunities.

Construction Activities

The site is currently an open field with some vegetation. The developers plan to grade the site using a local grading contractor and provide all required utilities to the site including but not limited to water and wastewater as well as electrical service. An onsite septic system will be applied for through the Pender County Environmental Health Department to determine the suitability of the soilsfor an onsite septic system.

Also, in compliance with the state stormwater rules, the developer will constructa storm water control measure to treat the runoffon the site. This measure will be designed by a licensed engineer in accordance with requisite standards and submitted for approval by the state.

Utilities and Federal Permits

At this time the developer has made an application to the Pender County Environmental Health Department for the initial site evaluation for wastewater containment to service the site. Once this evaluation is complete we will know the suitability of the sitefor development. Pender County water department will be contacted to set up water service for the site. Duke Energy will provide electrical service to the site.

Federal and state permits required for the site include the following:

NCDEQ – Stormwater
NCDEQ – Land Quality
Pender County – Zoning Compliance
NPDES – NOI – GC00001
NCDOT - Driveway Access

8 Items for Discussion and Potential Impacts

1. The use requested is listed among the allowable special uses in the district for which application is made:

   Per section 5.2.3 Table of Permitted Uses of the Pender County UDO a retail use facility is allowed within the RA zoning district pending SUP approval

2. The requested use will not impair the integrity or character of the surrounding or adjoining districts, nor adversely affect the safety, health, morals, or welfare of the community or of the immediate neighbors of the property;

   The entire area is zoned RA. The particular site is located on the NE corner of US Hwy 421 and Montague Road (SR1113) which is condusive to retail use and similar to other similar locations in the area. Having the addition of a general retail store on the corner of a major US route shall not impair the integrity of the surrounding districts. The closest property that has been developed in the area is a single-family dwelling approximately 530 lf north east of the proposed site. With the counties landscape ordinance and the existing trees surrounding the area this development shall not adversely affect the safety, health or welfare of the community and the immediate neighbors.

3. The proposed use shall not constitute a nuisance or hazard;

   A general retail store does not constitute a hazard nor a nuisance. The tenant is required by lease tokeep up and maintain the site asthetically and in a proper working condition.

4. The requested use will be in conformity with the Pender County Land Use Plan and other official plans or policies adopted by the Board of County Commissioners;

   Based on the land use plan it allows for retail uses within this area and on this particular property.

5. Adequate utilities, access roads, drainage, sanitation or other necessary facilities have been or will be provided;

   Public water is available to the site as well as power. All site drainage shall be designed to meet or exceed the requirements set forth by the state for Pender County

6. Adequate measures have been or will be taken to provide ingress and egress and address the trafficflow safely to and from the propertyon to the public roads;

   The NCDOT has been notified about the development of the project and access permission will be acquired from them. There is a controlled access easement

along US 421 so all access to the site will be along SR 1113. The current AADT along this road based on NCDOT traffic counts is 420vpd.

7. The use shall, in all other respects, conform to the applicable regulations of the district in which it is located; and

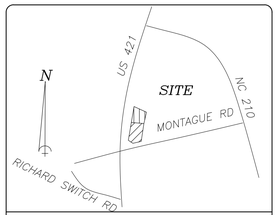
This site will be approved by the PenderCounty zoning department to ensure the site meets or exceeds all the requirements set forth in the UDO for RA zoning. The initial meeting has been held and the plan for development is moving forward to gain approval.

8. The proposed use shall not adversely affect surrounding uses and will be situated on a lot of sufficient size to satisfy the space requirements of said use.

The adjacent properties are currently unimproved and vacant and there should be no adverse effects to the existing uses. The lot size has been determined based on the area needed for the building, required parking, septic, and stormwater control measures. All these conditions have been met to meet or exceed standards.

In addition to the 8 written findings the developers would like to detail the impacts this type of facility can have on the surrounding area. Based on Google Maps and Google earth images there does not appear to be a local retail store within one mile of this site. This type of store will provide basic items of need. It will provide the community and neighbors in a food dessert the opportunity to shop forgeneral retail and grocery items quickly without having to travel 15 minutes or more to the nearest town to get bread,milk, or other basic supplies. The demographics and population of this area supports having a convenient general retail store within a short driving distance. It will save gas money as well as time for residents who are on a limited or fixed income by providing a convenient shopping option for expanded general retail and grocery items. Thisimproved property will generate increasedtax revenue to the County. It will also create convenient jobs for residence in the area as stated previously in this application.

As with any improvement providing goods and services to an area there will be some traffic generated at this location. It should not impede the flow of traffic in the area since a large drive entrance is being proposed to accommodate ingress and egress. Much of the traffic ingressing and egressing from the property will be local traffic who will be traveling by the property during their normal day to day activities.There will be lights in the parking lot to assist the customer duringafter work and evening hours but the lights will be down lights and focused to not generate light off the site. This type of use does not typically create additional or excessive noise. The hours of operation are planned for 9 A. M. to 9 P. M. The property is located on the corner of a major U. S. Highway with 5,700 vehicles per day so there shouldn't be additional noise caused by traffic. The retail use on this property will create a convenient shopping option for residents which is needed as well as creating an increased tax base and jobs for the community. The project is a positive for the area.not a problem because the site does not generate any noise outside of traffic and the property is off a major US Hwy which carries 5700 VPD.



VICINITY MAP (N.T.S)

SURVEY REFERENCE:

LOTS 1 & 2 HARVEY HALES SUBDIVISION
MAP BOOK 48 AT PAGE 59
DEED BOOK 4597 AT PAGE 273
PENDER COUNTY REGISTRY

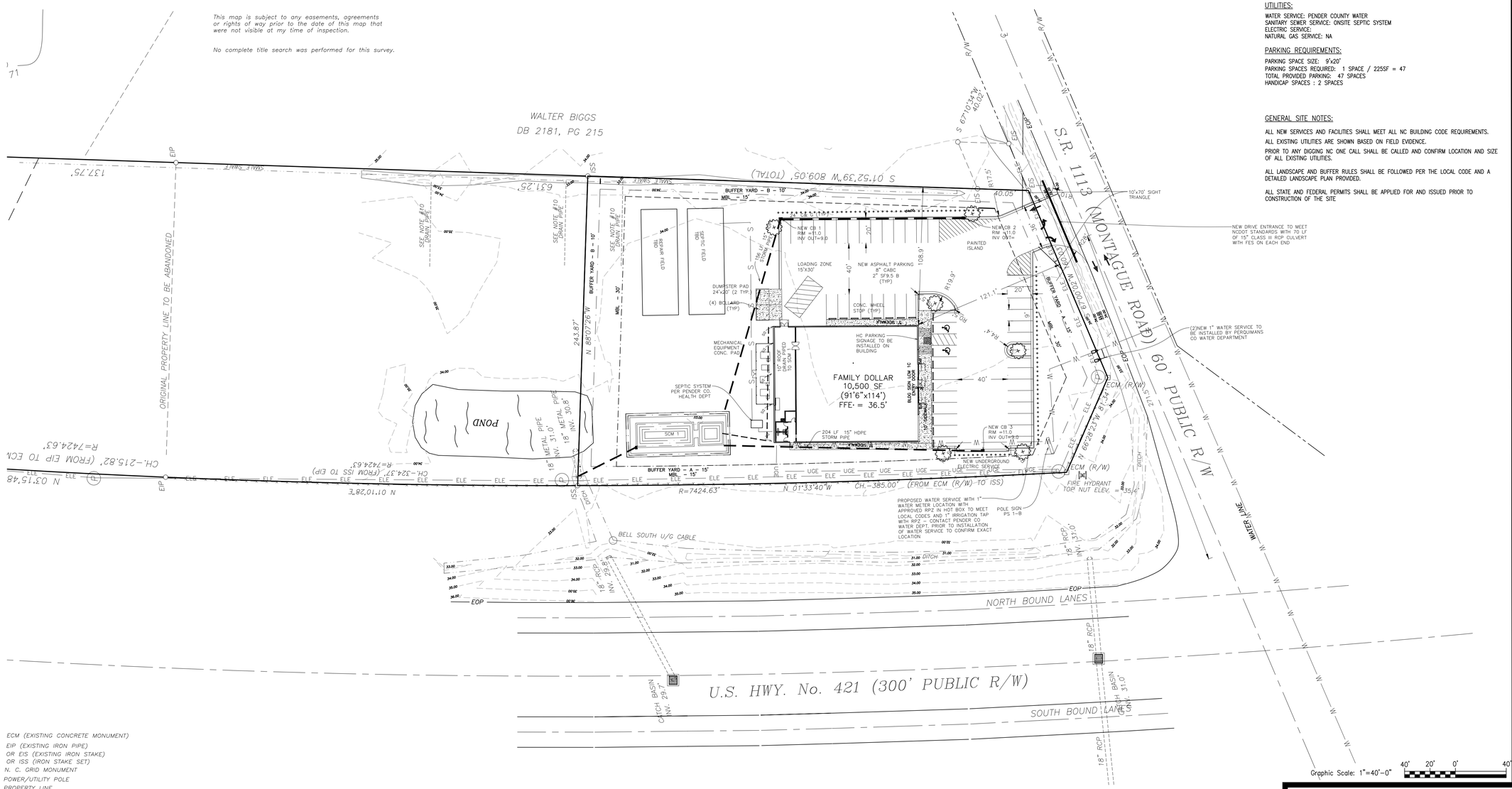
NOTES:

1. CORNERS ARE MARKED AS NOTED ON MAP.
2. ALL DISTANCES ARE HORIZONTAL FIELD MEASUREMENTS.
3. AREA COMPUTED BY THE COORDINATE METHOD.
4. THIS PROPERTY IS ZONED RA.
5. THIS PROPERTY DOES NOT LIE WITHIN A FLOOD HAZARDOUS AREA.
6. NO KNOWN HORIZONTAL CONTROL WITHIN 2,000'.
7. BUILDING SETBACKS REQUIRED TO BE IN ACCORD WITH THE PENDER COUNTY ZONING ORDINANCE. (FRONT 30' // SIDE 15' // REAR 30')
8. THESE PARCELS CANNOT BE USED FOR BUILDING DEVELOPMENT, UNLESS AN APPROVED WASTE WATER DISPOSAL METHOD HAS BEEN APPROVED AND PERMITTED BY THE PENDER COUNTY ENVIRONMENTAL HEALTH DEPARTMENT OR APPROPRIATE STATE AGENCY OR UNLESS A NEW PLAT IS APPROVED AND RECORDED AS REQUIRED UNDER THIS ORDINANCE.
9. IN ORDER FOR THIS RECOMBINATION OF PARCELS TO BE COMPLETE, A DEED OF COMBINATION MUST BE RECORDED WITH THE PENDER COUNTY REGISTER OF DEEDS OFFICE.
10. AT THE TIME OF MY INSPECTION VISIBLE DRAIN PIPES LOCATED AS SHOWN POSSIBLE MORE DRAIN PIPES

MAGNETIC
MB 48, PG 59

This map is subject to any easements, agreements or rights of way prior to the date of this map that were not visible at my time of inspection.

No complete title search was performed for this survey.



LEGEND:

- ECM (EXISTING CONCRETE MONUMENT)
- EIP (EXISTING IRON PIPE) OR EIS (EXISTING IRON STAKE) OR ISS (IRON STAKE SET)
- GO_SETTINGS N. C. GRID MONUMENT
- POWER/UTILITY POLE
- PROPERTY LINE
- NON-SURVEYED LINE
- EASEMENT LINE
- DITCH LINE
- ℄ (CENTER LINE)
- R/W (RIGHT OF WAY)
- FENCE
- OVERHEAD UTILITY LINE
- EOP (EDGE OF PAVEMENT)

CONFIDENTIALITY STATEMENT:

S DRAWING IS THE PROPERTY OF INNER BANKS ENGINEERING SERVICES PC. THIS INFORMATION IS CONFIDENTIAL AND IS TO BE USED ONLY IN CONNECTION WITH WORK DESCRIBED BY INNER BANKS ENGINEERING PC NO
ART IS TO BE DISCLOSED TO OTHERS WITHOUT EXPRESS WRITTEN PERMISSION FROM INNER BANKS ENGINEERING, PC

OWNER:

CEDAR RUN CAPITAL, LLC
2405-F NASH STREET
WILSON, NC 27896

GENERAL CONTRACTOR:

STOCKS AND TAYLOR CONSTRUCTION, INC.
1825 CAROLINA AVENUE
WASHINGTON, NC 27889

GENERAL SITE AND BUILDING INFORMATION:

BUILDING USE: COMMERCIAL - RETAIL
BUILDING SIZE: 10,500 SF
MAX BUILDING HEIGHT: 35 FT

TOTAL LOT SIZE = (2.07 AC AC)
PARCEL NO. 2285-63-0939-0000

ZONING INFORMATION:

ZONING RA - SPECIAL USE
BUILDING MINIMUM BUILDING SETBACKS (UNLESS NOTED)
FRONT: 30'
SIDE: 15'
REAR: 30'
BUFFER YARD =
TO ROW - BY A - 15'
SIDE AND REAR BY B - 10'

UTILITIES:

WATER SERVICE: PENDER COUNTY WATER
SANITARY SEWER SERVICE: ONSITE SEPTIC SYSTEM
ELECTRIC SERVICE:
NATURAL GAS SERVICE: NA

PARKING REQUIREMENTS:

PARKING SPACE SIZE: 9'x20'
PARKING SPACES REQUIRED: 1 SPACE / 225SF = 47
TOTAL PROVIDED PARKING: 47 SPACES
HANDICAP SPACES : 2 SPACES

GENERAL SITE NOTES:

ALL NEW SERVICES AND FACILITIES SHALL MEET ALL NC BUILDING CODE REQUIREMENTS.

ALL EXISTING UTILITIES ARE SHOWN BASED ON FIELD EVIDENCE.

PRIOR TO ANY DIGGING NC ONE CALL SHALL BE CALLED AND CONFIRM LOCATION AND SIZE OF ALL EXISTING UTILITIES.

ALL LANDSCAPE AND BUFFER RULES SHALL BE FOLLOWED PER THE LOCAL CODE AND A DETAILED LANDSCAPE PLAN PROVIDED.

ALL STATE AND FEDERAL PERMITS SHALL BE APPLIED FOR AND ISSUED PRIOR TO CONSTRUCTION OF THE SITE

SPECIAL USE PLAN

FAMILY DOLLAR - CURRIE
PENDER COUNTY

CEDAR RUN CAPITAL, LLC
2405 F NASH ST.
WILSON, NC 27896

8/18/21

NORTH CAROLINA PROFESSIONAL SEAL 20212 ENGINEER MARIE IMPHLETT PEERIN

Date	Description

File No. 21015
Scale: 1"=40'
Sheet No.

SUP 1

FINAL PLANS

NOT FOR CONSTRUCTION

INNER BANKS ENGINEERING
LICENSE NO. C-4111
INNER BANKS ENGINEERING, PC
P. O. BOX 154
Washington, NC 27889
252-945-2983
MUPEEDIN@IBXENGINEERING.COM

8) Existing and proposed structures and on-site improvements;
9) Existing and proposed fencing, vegetative screening and buffering;
10) Existing and proposed signs, lighting, landscaping, walks, parking and drives;
11) Detail any expected impact to the community, such as; traffic, noise, vibration, glare, odor, dust, etc. and the method being used to lessen these impacts.

3.12.3 Procedures for Reviewing Applications

A. The special uses, as specified in the various districts, may be established only after review and approval by the Board of Commissioners.

B. The Board of County Commissioners, acting in a quasi-judicial manner and setting, shall hear evidence from the applicant and any interested members of the public.

C. The Board of Commissioners shall hold a public hearing on the application for a Special Use Permit within sixty (60) days after the completed application is filed.

D. The Administrator shall cause notice of the hearing to be published once a week for two successive calendar weeks. The notice shall be published for the first time not less than ten (10) nor more than twenty-five (25) days before the date fixed for the hearing.

E. All Special Use Permit applications must be presented to the Administrator for a determination of completeness.

F. An appeal from a completeness determination may be made to the Board of Adjustment within twenty (20) days of the determination.

G. The Board of Commissioners shall approve, modify, or deny the application for a Special Use Permit. In approving a Special Use Permit, the Board of Commissioners, with due regard to the nature and state of all adjacent structures and uses in the district within same is located, shall make written findings that the following are fulfilled:

1) The use requested is listed among the special uses in the district for which application is made, or is similar in character to those listed in that district;
2) The requested use will not impair the integrity or character of the surrounding or adjoining districts, nor adversely affect the safety, health, morals, or welfare of the community or of the immediate neighbors of the property;
3) The proposed use shall not constitute a nuisance or hazard;
4) The requested use will be in conformity with the Pender County Land Use Plan and other official plans or policies adopted by the Board of County Commissioners;
5) Adequate utilities, access roads, drainage, sanitation or other necessary facilities have been or are being provided;
6) That adequate measures have been or will be taken to provide ingress and egress so designed as to minimize the traffic congestion in the public roads;
7) That the special use shall, in all other respects, conform to the applicable regulations of the district in which it is located; and
8) The proposed use shall not adversely affect surrounding uses and shall be placed on a lot of sufficient size to satisfy the space requirements of said use.

3.12.4 General Provisions Concerning Special Use Permits

A. Compliance With Other Codes - Granting of a Special Use Permit does not exempt the applicant from complying with all of the requirements of building codes and other Ordinances.

B. Revocation - In any case where the Special Use Permit or the conditions of a Special Use Permit have not been or are not being complied with, the Administrator may initiate a notice of violation for the provisions of this Ordinance and the conditions of the Special Use Permit not in compliance or the Administrator, may initiate notice of a public hearing to consider revocation of the permit by the Board of Commissioners or both actions may be initiated. Procedures for notice of such hearing shall be the same as procedures for consideration of an initial application for a Special Use Permit and the permittee shall be notified. After a public hearing has been held, the Board of Commissioners may revoke the Special Use Permit upon finding any of the following:

1) That the approval was obtained by fraud.
2) That the use for which such approval was granted is not being executed.
3) That the use for which such approval was granted has ceased to exist or has been suspended for one year.
4) That the permit granted is being, or recently has been exercised contrary to the terms or conditions of such approval.
5) That the permit granted is in violation of an Ordinance or Statute.
6) That the use for which the approval was granted was so exercised as to be detrimental to the public health or safety, or so as to constitute a nuisance.

C. Expiration - Unless a request for additional time is granted or approved otherwise as a condition of the permit, a Special Use Permit shall expire and become void if final Zoning Approval has not been issued for the project within 24 months after the Notice of Approval of the Special Use Permit has been served on the applicant. The Administrator may provide one extension of the expiration date by no more than 6 months, for complex projects requiring major state or federal permits, upon receipt of a written request for such extension by the applicant detailing the reasons for delay in completion of the requirements for the Zoning Approval.

D. Duration of Special Use - Any conditions imposed on a special use authorized and exercised shall be perpetually binding upon the property unless expressly limited by the Special Use Permit or subsequently changed or amended by the Board of Commissioners after application to the Board of Commissioners and a public hearing.

E. Conditions and Guarantees - Prior to the granting of any special use, the Board of Commissioners may stipulate such conditions and restrictions upon the establishment, location, or construction, maintenance, and operation of the special use as it deems necessary for the protection of the public and to secure compliance with the standards and requirements specified in this Ordinance. In all cases in which special uses are granted, the Board of Commissioners shall require such evidence and guarantees as it may deem necessary to assure that conditions stipulated in connection therewith are being and will be complied with.

1) Such conditions may include a time limitation.
2) Conditions may be imposed which require that one or more things be done before the use requested can be initiated. For example, "that a solid board fence be erected around the site to a height of six (6) feet before the use requested is initiated".
3) Conditions of a continuing nature may be imposed. For example, "exterior loud speakers shall not be used between the hours of 10:00 p.m. and 9:00 a.m."

F. Filing of Special Use - The Administrator shall file the approved or disapproved application forms with the decision of the Board of Commissioners.

G. Appeals from the Board of Commissioners - Appeals to the Superior Court may be taken by any person, firm, or corporation aggrieved, or by any officer, department, board of the county affected by any decision of the Board of Commissioners, provided such appeals shall be taken within thirty (30) days after the decision of the Board of Commissioners is filed in the office of the Administrator, or after a written copy thereof is delivered to the applicant, whichever is later. The decision of the Board of Commissioners shall be delivered to the applicant by certified mail, return receipt requested.

H. Revisions - Major revisions to a Special Use Permit must be submitted to the Board of Commissioners. All legal notice and application fee requirements must be met for major revisions. Revisions that are considered minor revisions to an approved Special Use Permit may be reviewed and approved by the Administrator after basic submission requirements have been completed. All revisions approved by the Administrator must meet the original conditions of the permit as approved by the County Commissioners and current provisions of the Zoning Ordinance. The addition of an accessory structure less than 1000 sq. ft., addition of parking or other ancillary facilities or uses or the addition of similar product lines are examples of revisions that may be considered minor revisions.

3.13 DETERMINATION OF VESTED RIGHT

3.13.1 Establishment

A. With Site Specific Development Plan

1) In order for a zoning vested right to be established upon approval of a development plan, the applicant must indicate at the time of application, on a form to be provided by the County, that a zoning vested right is being sought. Site specific development plan means a plan which has been submitted to the County by a landowner describing with reasonable certainty the type and intensity of use for a specific parcel or parcels of property. Such plan may be in the form of, but not be limited to, any of the following plans or approvals: A planned development plan, a subdivision plat, a Master Development Plan or minor site plan, a conditional or special use permit, or any other land-use approval designation as may be utilized by a county. The plan shall include the approximate boundaries of the site; significant topographical and other natural features effecting development of the site; the approximate location on the site of the proposed buildings, structures, and other improvements; the approximate dimensions, including height, of the proposed buildings and other structures; and the approximate location of all existing and proposed infrastructure on the site, including water, sewer, roads, and pedestrian walkways. A variance shall not constitute a site specific development plan, and approval of a site specific development plan with the condition that a variance be obtained shall not confer a vested right unless and until the necessary variance is obtained.

2) Each map, plat, site plan or other document evidencing a site specific development plan shall contain the following notation: “Approval of this plan established a zoning vested right under N.C.G.S. Section 153A-344.1. Unless terminated at an earlier date, the zoning vested right shall be valid until (date).”

Pender County

Request For Board Action

DATE OF MEETING:	November 15, 2021
REQUESTED BY:	Travis Henley, Director, Planning & Community Development
SHORT TITLE:	Resolution Requesting Approval of a Special Use Permit for the construction and operation of a 10,500 square foot Family Dollar retail store.
BACKGROUND:	Marie Peedin, applicant, on behalf of Barnes Boykin, owner, is requesting approval of a Special Use Permit for the construction and operation of a 10,500 square foot Family Dollar retail store within the RA, Rural Agricultural zoning district on approximately 2.07 acres of land located on the northeastern corner of the intersection of US HWY 421 and Montague Road. The subject property is located in the Grady Township and may be further identified by Pender County PIN 2285-63-0939-0000.
SPECIFIC ACTION REQUESTED:	To hold a public hearing and consider the approval of a Special Use Permit for the construction and operation of a 10,500 square foot Family Dollar retail store.

RESOLUTION

NOW, THEREFORE BE IT RESOLVED by the Pender County Board of Commissioners that:

On November 15, 2021 the Pender County Board of Commissioners (approved, modified, denied) a Special Use Permit as described herein. The Chairman/County Manger is authorized to execute any/all documents necessary to implement this resolution.

AMENDMENTS:

MOVED: **SECONDED:**

☐ APPROVED ☐ DENIED

YEA VOTES: ☐ BROWN ☐ MCCOY ☐ NEWTON ☐ PIEPMEYER ☐ WILLIAMS

11/15/2021

George R. Brown, Chairman Date

11/15/2021

Clerk to the Board Date

Pender County
SUP 2021-23

TO:	Board of County Commissioners
FROM:	Gideon Smith
DATE:	November 15, 2021
SUBJECT:	Resolution Requesting Approval of a Special Use Permit for Duke Energy Telecommunication Facility

SUMMARY:

Ryan Woods, applicant, on behalf of Clarence Dawson Jr. Cartwright Trustee, owner, is requesting the approval of a Major Revision to an approved Special Use Permit (SUP 75-2015; SUP 2021-20) for the construction and operation of a 120' monopole telecommunication facility to aid in the operation of an existing solar farm.

The subject property is located on the southern side of Shiloh Road between Penderlea Highway and Horse Branch Road in the Union Township.

ACTION REQUESTED:

To Hold a Public Hearing to consider the Special Use Permit

STAFF REPORT FOR SUP 2021-23
SPECIAL USE PERMIT APPLICATION

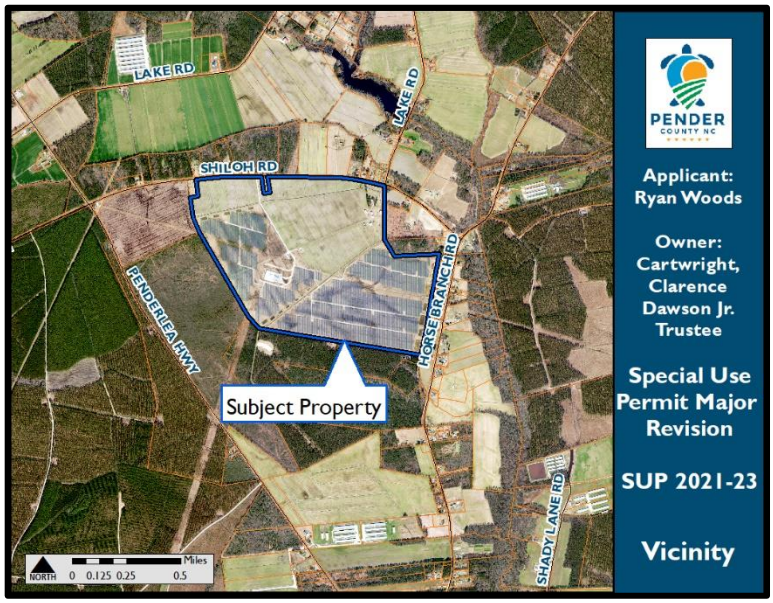
APPLICATION SUMMARY	
Case Number	SUP 2021-23
Hearing Dates	November 15, 2021 Board of Commissioners
Applicant	Ryan Woods
Property Owner(s)	Clarence Dawson Jr. Cartwright Trustee
Parcel Identification Number	2391-98-3013-0000
Acreage	424.5
Township	Union
Zoning District	RA, Rural Agricultural
Pender 2.0 Future Land Use Category	Rural Agriculture

SPECIAL USE PERMIT PROPOSAL

Ryan Woods, applicant, on behalf of Clarence Dawson Jr. Cartwright Trustee, owner, is requesting the approval of a Major Revision to an approved Special Use Permit (SUP 75-2015; SUP 2021-20) for the construction and operation of a 120' monopole telecommunication facility to aid in the operation of an existing solar farm.

LOCATION

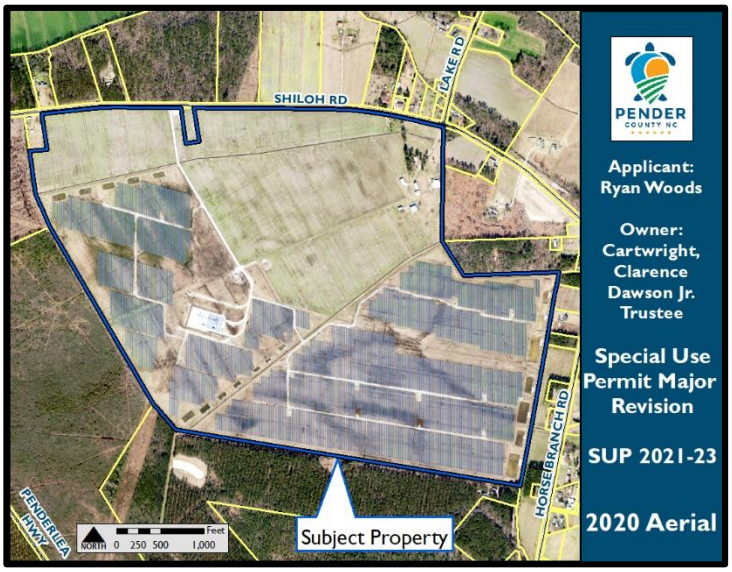
The subject property is located on the southern side of Shiloh Road between Penderlea Highway and Horse Branch Road in the Union Township.



SPECIAL USE PERMIT PROPOSAL

The applicant is proposing this Major Revision to the approved Special Use Permit (SUP 75-2015; SUP 2021-20) to allow for the construction and operation of a 120-foot monopole telecommunication facility on an existing solar farm (NAICS 221119). The applicant received approval by the Board of County Commissioners at their June 21, 2021 meeting for the construction and operation of a 85 foot monopole telecommunication facility. Please see Attachment 1 for that Board Action Form and Letter of Approval. The purpose of this Major Revision (SUP 2021-23) is to increase the approved height of the monopole telecommunication facility from 85 feet to 120 feet for an increase of 35 feet. No construction of the original telecommunication facility has occurred at this time.

According to the applicant's narrative, the proposed 120-foot monopole telecommunication facility will be constructed within the existing Duke Energy substation that was previously approved via SUP 75-2015 and included in the subsequently approved Major Site Development Plan (SDP 2018-8).



In addition, the applicant has indicated that the proposed monopole structure will be for Duke Energy's internal use and will allow for a variety of systems within the existing substation to be controlled remotely. In order to achieve this remote capability, the applicant is requesting this Major Revision to construct a foundation for the monopole structure, the monopole and associated microwave dish, and to install any other necessary cables from the microwave dish to the existing equipment cabinet located within the substation.

According to the applicant's submitted narrative, the installation of the facility will not increase the typical activity at the solar farm, so additional traffic increases to the area are not anticipated. The applicant has also indicated that the proposal meets the Federal Aviation Administration (FAA) regulations and has been verified using the FAA's Notice Criteria Tool.

As illustrated on the applicant's site plan, the monopole structure will be located towards the center of the subject property with the base of the proposed structure a distance greater than 800 feet from the nearest property line to the southwest. The submitted site plan also

demonstrates that the proposed location of the monopole structure meets the requirements outlined in Section 5.3.12.P of the Pender County Unified Development Ordinance in regards to the minimum distance between the tower and any adjoining parcel of land or local road. The proposed site plan complies with the technical standards for the use in accordance with the Pender County Unified Development Ordinance.

		Zoning Districts									
Use Type	**Ref NAICS**	**RA**	**RP**	**RM**	**MH**	**PD**	**GB**	**OI**	**IT**	**GI**	**EC**
MISCELLANEOUS USES											
Telecommunication Facilities		**SD**	SD			SD	SD	SD	SD	SD	

Prior to issuance of final zoning approval, a site development plan must be submitted and approved in accordance with all applicable provisions of the Pender County Unified Development Ordinance. The site development plan shall be reviewed by members of the Pender County Technical Review Committee (TRC). Furthermore, the proposal is subject to all other applicable federal, state, and local permits and approvals.

Hours of Operation

According to the applicant, the hours of operation for the site will remain the same as proposed and approved under SUP 75-2015 and SUP 2021-20; there will be no daily staff used to operate the solar farm and employees will visit the site on a weekly basis. The submitted narrative further states that the monopole structure site will be checked every few years for safety and maintenance but will not change the typical activity of the site.

Access

The subject site is currently accessed using an existing driveway on the southern side of Shiloh Road (SR 1209). NCDOT may require a modification to the existing NCDOT Driveway Permit. However, this will be reviewed for compliance during the site development plan review process.

Landscaping and Buffers

The landscaping (Type C-3 Buffer) that exists along the perimeter of the site today was reviewed and approved during the Major Site Development Plan (SDP 2018-8) review process. As this a revision to an approved Special Use Permit and the proposed modification is within the existing substation, no landscaping update is required. However, these standards will be reviewed for compliance during the site development plan review process and inspected prior to the issuance of final zoning approval.

Signage

Any signage required by federal, state, and local agencies will be reviewed for compliance during the site development plan review process.

Utilities

The proposed project does not include any water or sewer services.

ENVIRONMENTAL CONCERNS	
Special Flood Hazard Areas	The subject property does not contain any Special Flood Hazard Areas[1].
Wetlands	Portions of the subject property contain characteristics of wetlands[2, 3]. However, it does not appear that any of these wetlands are located within the proposed area for the monopole structure. The location of any wetlands will be verified during the site development plan review process, and any development within these wetlands is subject to review and approval from the U.S. Army Corps of Engineers.
Areas of Environmental Concern	The subject property does not contain any Areas of Environmental Concern (AEC)[4].

[1] According to the effective regulatory and preliminary Flood Insurance Rate Maps NC Flood Risk Information System (NC FRIS)
[2] According to the NC Division of Coastal Management (NC DCM)
[3] According to the National Wetlands Inventory (NWI)
[4] According to the North Carolina Department of Environmental Quality (NCDEQ)

PUBLIC NOTICE

Public Notice for the Special Use Permit request has been advertised in the Pender-Topsail Post and Voice. In addition, all adjacent property owners within 500' of the proposed development have been given written notice of this request, and a public notice sign has been placed on the subject site.

EVALUATION

Basis for Granting SUP

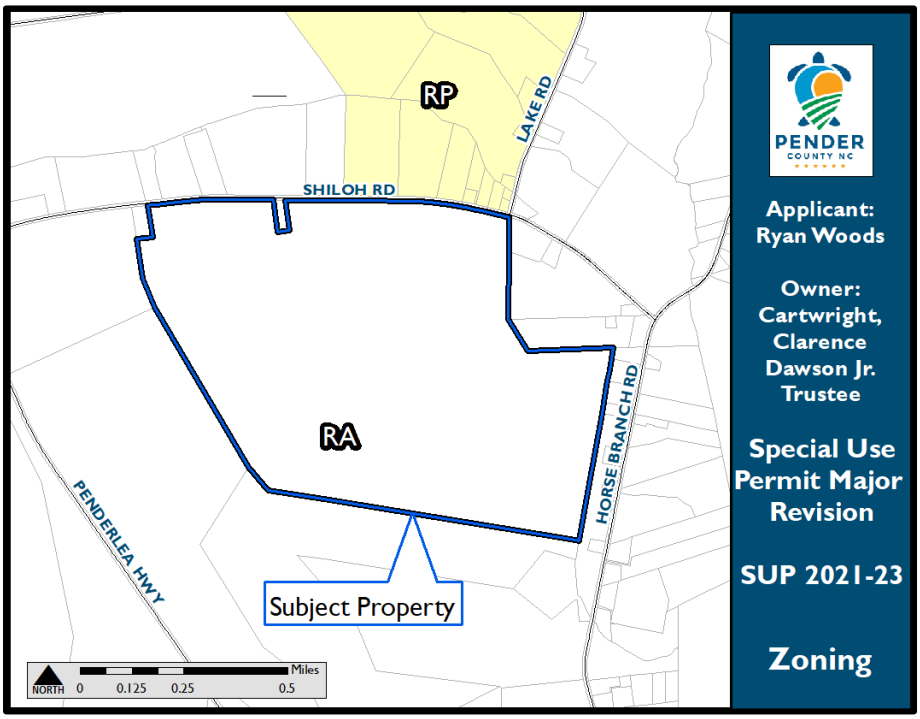
Approval and revocation procedures for Special Use Permits are located in Sections 3.12.3 and 3.12.4 of the Pender County Unified Development Ordinance. These sections are provided as Attachment 2.

Unified Development Ordinance Compliance

The subject property is zoned RA, Rural Agricultural zoning district and according to Section 5.2.3 of the Pender County Unified Development Ordinance, Telecommunication Facilities are permitted in this zoning district via Special Use Permit and are subject to additional standards further outlined in Section 5.3.12.P of the Pender County Unified Development Ordinance.

The Rural Agricultural District is intended to accommodate non-residential agricultural uses and very low-density residential development (minimum of 1 du/ac), as well as limited non-residential uses, in rural areas adjacent to agricultural operations.

Below: Zoning Map of the Area



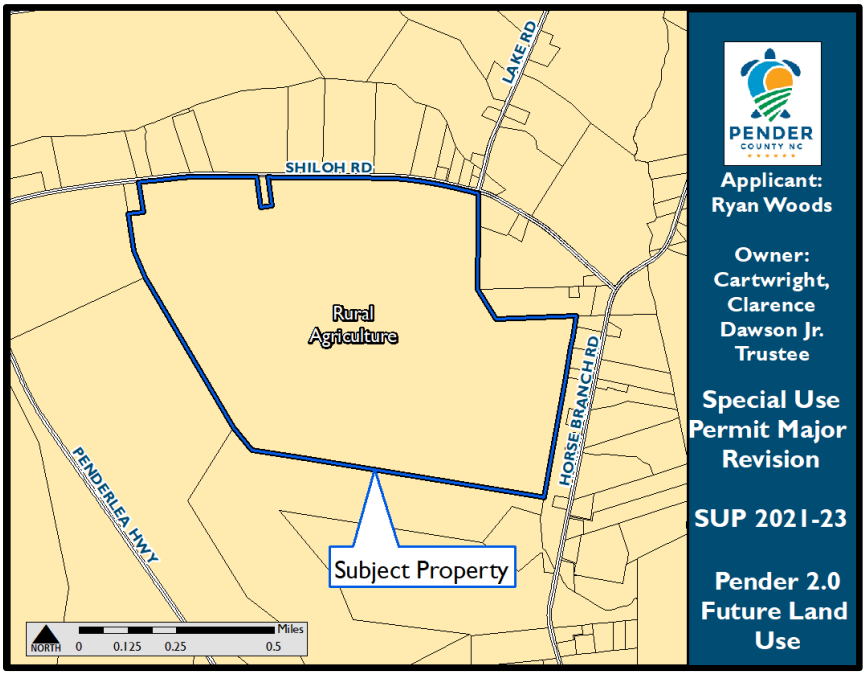
CHARACTERISTICS OF THE SURROUNDING AREA		
	LAND USE	**ZONING**
North	Single Family Residential, Undeveloped	RP, Residential Performance RA, Rural Agricultural
East	Single Family Residential, Undeveloped	RA, Rural Agricultural
South	Undeveloped Wooded Tracts	RA, Rural Agricultural
West	Undeveloped Wooded Tracts	RA, Rural Agricultural

Pender County 2.0: Comprehensive Land Use Plan Compliance

The subject property is classified as Rural Agriculture in the Pender County 2.0: Comprehensive Land Use Plan. The Rural Agriculture land use classification supports and protects Pender County's agricultural areas, an essential part of the County's economy and agricultural heritage. Agriculture uses are highly encouraged, as consideration should be given to the preservation of prime farmland soils for continued prosperity of farming and forestry operations. In addition to agriculture, very low-density single family residential development (conventional-built and manufactured) are appropriate in these areas.

Furthermore, commercial, civic, office, and institutional uses are permitted where compatible with existing neighborhoods and as a resource or employment opportunity for area residents. The proposed revision to the approved Special Use Permit is consistent with Rural Agriculture classification within the Pender County 2.0 Comprehensive Land Use Plan because it is a low

intensity use that does not include the construction of traditional residential or commercial uses, nor does it increase the density in this area. In addition, the proposed revision is associated with the existing solar farm and approved Special Use Permit, indicating that the use is compatible with the existing neighborhoods. Finally, the proposed revision will utilize the existing utilities within the substation reducing the need for any expansion of utilities. Water and sewer utilities are not proposed or needed for the solar farm or proposed revision.



In addition to the proposal's consistency with the Future Land Use Map, the proposed Major Revision to the approved Special Use Permit (SUP 75-2015; SUP 2021-20) is also consistent with the two policies within the Pender 2.0 Comprehensive Land Use Plan:

> **Policy 5.1.B.: Land Use Plan Consistency:** The County generally requires that any official land use and development related actions (e.g. re-zonings, text amendments, and special use permits) remain consistent with the policies adopted in this plan and any other applicable plan.
>
> **Policy 5.1.FF: Rural Non-Residential Uses:** The County shall continue to accommodate limited non-residential uses in rural areas.

PROPOSED CONDITIONS

Conditions to Consider in Issuing a Special Use Permit for this Project

All conditions of approval for SUP 75-2015; SUP 2021-20 shall remain in effect and are as follows:

1. The project shall comply with all requirements of the Pender County Unified Developed Ordinance.
2. Any violations of the conditions of this permit, confirmed by the Zoning Administrator shall result in this permit becoming void, if not corrected within 30 days of receipt of the notice of violation.
3. The applicant shall meet all other local, state and federal regulations.
4. The obligations imposed by this permit will be the responsibility of the property owner and operator and shall continue in affect for the duration of this permit.
5. The facility must be fenced surrounding the entire project bounds.
6. A Decommissioning Plan shall be recorded within the Pender County Register of Deeds. The plan shall identify and establish procedures for removal of equipment, conduit, structures, fencing, roads, and foundations.
7. A site that ceases to produce energy on a continuous basis for 12 months will be considered abandoned unless the current responsible party (or parties) with ownership interest provides substantial evidence (updated every 6 months after 12 months of no energy production) to the Zoning Administrator of the intent to maintain and reinstate the operation of that facility. Upon determination of abandonment, the Zoning Administrator shall notify the party (or parties) responsible they must remove the facility and restore the site such that it will be suitable for its use prior to development of the site within three hundred and sixty (360) days of notice by the Zoning Administrator.
8. If the responsible party (or parties) fails to comply, the Zoning Administrator may remove the equipment from the site, sell any removed materials, and initiate judicial proceedings or take any other steps legally authorized against the responsible parties to recover the costs required to remove the facility and restore the site to a non-hazardous condition.
9. Any expansions of solar farm acreage shall require a revision to the approval Special Use Permit.

Pender County
Planning and Community Development

805 S. Walker Street
PO Box 1519
Burgaw, NC 28425

Phone: 910-259-1202
Fax: 910-259-1295
www.pendercountync.gov

Special Use Permit Submission

Applications will be considered for the Board of County Commissioners hearing and reviewed by Staff only when deemed complete. The application will be regarded as incomplete until the following items are received by the Planning and Community Development Staff.

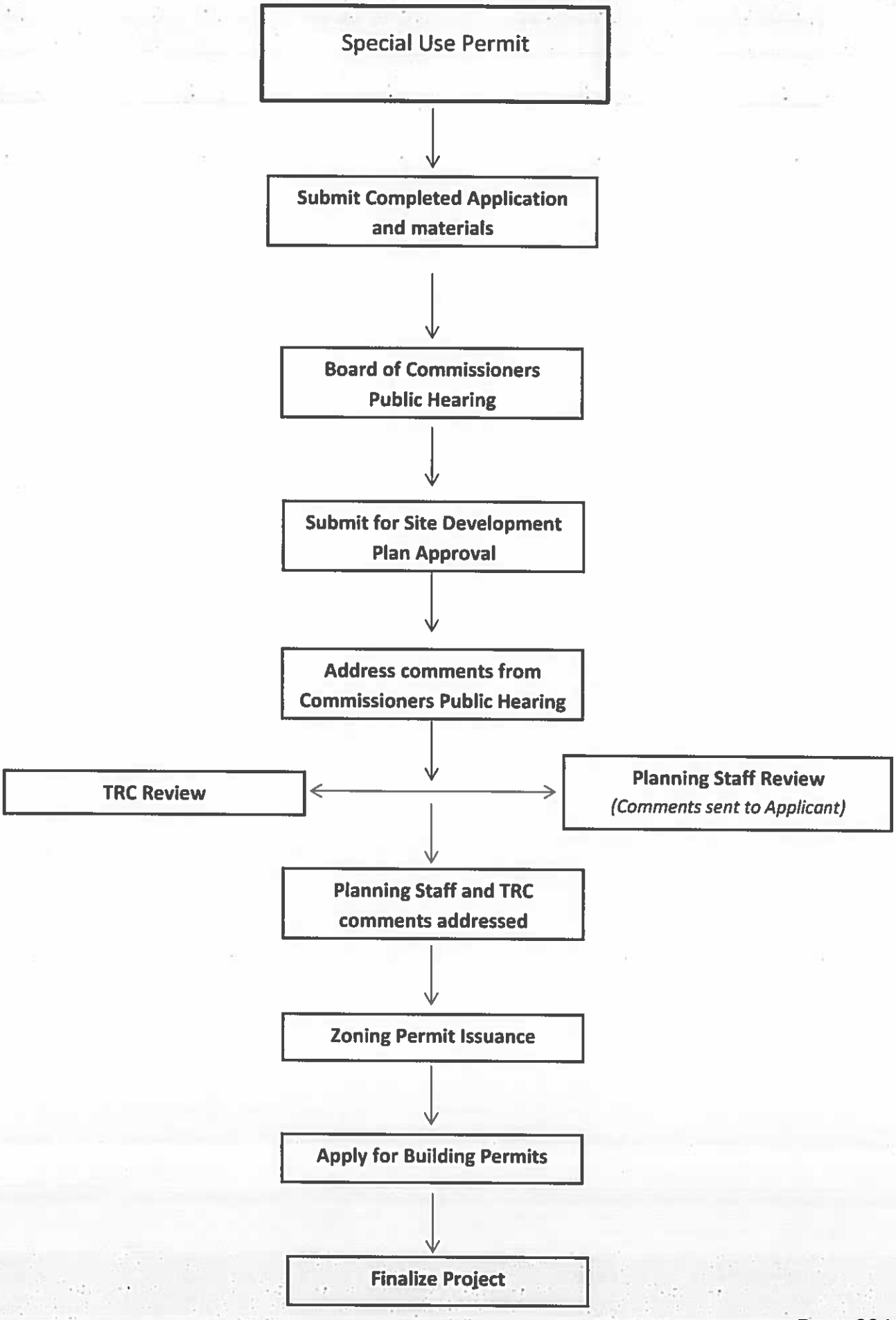
1. _____ **Pre-submittal Meeting**
   Date of Meeting _____
2. _____ **Signed Application**
3. _____ **Payment**
   $300 for the first 5 acres; $10 per acre over 5 acres of the project area
4. _____ **Site Plan**
   All Site Plans submitted must be in accordance with Section 3.12.2 of the Unified Development Ordinance.
5. _____ **Digital Submission**
   For all documents submitted in paper copy, bring a digital copy with paper submission.
6. _____ **Adjacent Property List**
   The applicant shall provide to the Administrator a list of names and addresses of the owners of all properties located within 500-feet of the perimeter of the project bounds along of the property under consideration.
7. _____ **Adjacent Property Envelopes**
   The applicant shall provide one (1) set of #10 envelopes with typed addresses to each person on the owners of all properties located within 500-feet of the perimeter of the project bounds and accompanied with the required amount for first class postage.

I certify that all information presented in this application is accurate to the best of my knowledge.

Signature of Applicant Ryan Woods Date 09/17/21

Printed Name Ryan Woods

Staff Initials: _____
Date: _____


Special Use Permit
Submit Completed Application and materials
Board of Commissioners Public Hearing
Submit for Site Development Plan Approval
Address comments from Commissioners Public Hearing
TRC Review
Planning Staff Review
(Comments sent to Applicant)
Planning Staff and TRC comments addressed
Zoning Permit Issuance
Apply for Building Permits
Finalize Project

		Agenda Deadline	Meeting Date
BOCC	January	12.6.19	1.21.20
	February	1.3.20	2.18.20
	March	2.7.20	3.16.20
	April	3.6.20	4.20.20
	May	4.3.20	5.18.20
	June	5.1.20	6.15.20
	July	6.5.20	7.6.20
	August	6.26.20	8.17.20
	September	8.7.20	9.21.20
	October	8.28.20	10.19.20
	November	10.2.20	11.16.20
	December	11.6.20	12.7.20

Complete Application Date: All documents must be received by 12PM on the deadline date to be considered a complete application.

Special Use Permit Specific Requirements

1. Project Narrative--Written description of the project (max of 3 pages) including the following:

- Location of the project and type of access to project site
- Detailed description of the activities to be undertaken on the site, including hrs. of operation, # of employees, etc.
- Description of all construction activities to be undertaken on the site
- Describe type of utilities that will serve project and status of approval from applicable providers
- List of all state and federal permits that will be required for the project
- Applicant must specifically address the 8 written findings for Special Use Permit approval which are identified on page 1 of this application and in the Pender County Unified Development Ordinance (Section 3.12.3.G.). Describe any potential impacts the project will have on the community or adjacent properties such as traffic, noise, etc. and explain efforts to mitigate these impacts. The applicant may also wish to describe any positive benefits the project will provide for the community and/or neighbors of the project.

2. Project Map(s)--Map or maps of the special use project site with boundaries of the project if less than the parcel boundaries. This map or maps shall be drawn to a readable scale. The scale shall be not more than 200' to the inch. The map shall display an accurate bar graph scale, date prepared, north arrow and the author of the map. This map(s) shall show the following:

- Structures. Location of all structures within fifty (50) feet of the property; location and depth, if known, of any existing utility lines in the property or along any adjacent road.
- Location of property boundaries, location of any easements for utility lines or passage which cross or occupy any portion of the property for proposed lines;
- Name, address, tax map number, acreage, zoning, township and means of access to the site (road or recorded access easement);
- Location and status of utilities: water, sewer, well, septic system, method of solid waste disposal, electrical service and natural gas if available;
- Existing topography and all proposed changes. Include calculations to show total acreage of area to be graded or disturbed;
- Existing and proposed streams, drainage ways, ponds, lagoons, wetlands, flood plains, berms, etc.
- Existing and proposed structures and on-site improvements;
- Existing and proposed fencing, vegetative screening and buffering;
- Existing and proposed signs, lighting, landscaping, walks, parking and drives;
- Detail any expected impact to the community, such as; traffic, noise, vibration, glare, odor, dust, etc. and the method being used to lessen these impacts.

Pender County
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Planning Division
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SPECIAL USE PERMIT APPLICATION

GENERAL

1. An applicant shall be required to schedule a pre-submittal meeting with the Administrator at least thirty (30) days prior to submission of an application.
2. Any information the applicant wishes to submit to assist in making the above findings may be included as part of the Project Narrative or as a supplement labeled "Support Information-Required Findings" (max. 1 page).
3. Where construction, location or relocation is proposed to be done upon a residence, place of business or place of public assembly, no permit required for electrical, plumbing, heating, air conditioning or other construction, *location or relocation activity under any provision of general or special law* shall be issued until an authorization for wastewater system construction has been issued under G.S. 130A-336 or authorization has been obtained under G.S. 130A-337(c).

APPROVAL STANDARDS

The Board of Commissioners shall approve, modify, or deny the application for a Special Use Permit. In approving a Special Use Permit, the Board of Commissioners, with due regard to the nature and state of all adjacent structures and uses in the district within same is located, shall make written findings that the following are fulfilled:

1. The use requested is listed among the special uses in the district for which application is made, or is similar in character to those listed in that district;
2. The requested use will not impair the integrity or character of the surrounding or adjoining districts, nor adversely affect the safety, health, morals, or welfare of the community or of the immediate neighbors of the property;
3. The proposed use shall not constitute a nuisance or hazard;
4. The requested use will be in conformity with the Pender County Land Use Plan and other official plans or policies adopted by the Board of County Commissioners;
5. Adequate utilities, access roads, drainage, sanitation or other necessary facilities have been or are being provided;
6. That adequate measures have been or will be taken to provide ingress and egress so designed as to minimize the traffic congestion in the public roads;
7. That the special use shall, in all other respects, conform to the applicable regulations of the district in which it is located; and
8. The proposed use shall not adversely affect surrounding uses and shall be placed on a lot of sufficient size to satisfy the space requirements of said use.

Conditions and Guarantees - Prior to the granting of any special use, the Board of Commissioners may stipulate such conditions and restrictions upon the establishment, location, or construction, maintenance, and operation of the special use as it deems necessary for the protection of the public and to secure compliance with the standards and requirements specified in this ordinance. In all cases in which special uses are granted, the Board of Commissioners shall require such evidence and guarantees as it may deem necessary to assure that conditions stipulated in connection therewith are being and will be complied with.

APPLICATION FOR SPECIAL USE PERMIT

THIS SECTION FOR OFFICE USE			
Application No.	SUP	**Date**	
Application Fee	$	**Receipt No.**	
Pre-Application Conference		**Hearing Date**	

SECTION 1: APPLICANT INFORMATION

Applicant's Name:	Ryan Woods	**Owner's Name:**	Cartwright, Clarence Dawson Jr Trustee
Applicant's Address:	326 Tryon Road	**Owner's Address:**	1355 Shiloh Road
City, State, & Zip	Raleigh, NC, 27603	**City, State, & Zip**	Willard, NC 28478
Phone Number:	919-943-0397	**Phone Number:**	(704) 868-6302
Email Address:	rjwoods@tepgroup.net	**Email Address:**	dale.brooks@duke-energy.com

Legal relationship of applicant to land owner: We are the engineers for the addition that Duke Energy will be putting on their existing substation in this parcel.

SECTION 2: PROJECT INFORMATION

Property Identification Number (PIN):	2391-98-3013-0000	**Total property acreage:**	424.5 AC
Zoning Classification:	RA	**Acreage to be disturbed:**	0.25 AC
Project Address :	441 Shiloh Rd	**NAICS Code:**	
Description of Project Location:	The work will be done at the existing Duke Energy substation located within the aforementioned parcel. There is an access road leading to the station coming off Shiloh Rd.		
Describe activities to be undertaken on project site:	An 120' monopole will be constructed within the existing fenced substation owned by Duke Energy. There will be one mirowave dish installed on the tower. The associated cable runs will remain within the fenced area.		

SECTION 3: SIGNATURES

Applicant's Signature	Ryan Woods	**Date:**	09/17/2021
Owner's Signature	Clarence Dawson Cartwright Jr	**Date:**	09/21/2021

NOTICE TO APPLICANT

1. Applicant must also submit the information described on the Special Use Checklist.
2. Applicant or agent authorized in writing must attend the public hearing.
3. Once the public hearing has been advertised, the case will be heard unless the applicant withdraws the application or unless the Board of Commissioners or other authorized person agrees to table or delay the hearing.
4. Applicant may wish to review the required findings for approval of a Special Use Permit found on page 1 of this application
5. **Permit will become void after 12 months if a final zoning permit is not obtained, unless specifically requested at the time of public hearing.**

Office Use Only						
☐ $ 300 for the first 5 acres; $10 per acre over 5 acres of the project area					Total Fee Calculation: $ Application#: Date of Hearing:	
Attachments Included with Application: (Please include # of copies)						
CD /other digital version	☐ Y ☐ N	Plan Sets	# of large	# of 11X17	Other documents/Reports	☐ Y ☐ N
Payment Method:	**Cash :** ☐ $_____		**Credit Card:** ☐ Master Card ☐ Visa		**Check:** ☐ Check # _____	
Application received by:					Date:	
Application completeness approved by:					Date:	

Project Narrative – Willard Solar 230kV Sub

We will be applying for a Special Use Permit for the installation of a monopole tower for Duke Energy at 1041 Shiloh Road. This will be an 120' tall monopole located within the existing Duke Energy substation at this property. The site will be accessed via an existing drive leading from Shiloh road to the substation. This tower will be used purely for Duke Energy's internal use. It will give them the ability to remotely control a variety of systems at the station.

The construction will the monopole, its foundation, and the associated microwave to be installed. This includes the cable routing from the microwave to the existing equipment cabinet on site. This entire process will take approximately 1 month once construction begins but could vary.

This installation will not change the hours of operation for the site. It will be checked every few years for safety and maintenance but will not change the typical activity at the site.

This site will only require the Special Use Permit. A Building/Electrical Permit could be completed if they are deemed necessary. However, it should be exempt since this installation will be for public utility. There should be no need to FAA approval due to the height of the tower and ground elevation at the site. This has been verified using the FAA's Notice Criteria Tool.

Please see below for how this installation addresses Pender County Unified Development Ordinance (Section 3.12.3.G):

Section 3.12.3.G(1)

This tower installation will not change the use of the property. This will go within Duke Energy's existing fenced compound and will be used to aid the public utility.

Section 3.12.3.G(2)

This tower will be installation within the existing Duke Energy substation to help aid their ability to provide power to the surrounding area. The tower has been certified by a licensed engineer in the associated Structural Analysis Report.

Section 3.12.3.G(3)

This tower will aid Duke Energy's ability to provide power to the surrounding area. This land will still used for public utility, the addition of the proposed tower will not change the use.

Section 3.12.3.G(4)

The installation will not change the use of the property.

Section 3.12.3.G(5)

This is an existing fenced compound with an existing access road leading to the site. The property already has all the necessary facilities to accommodate the new tower.

Section 3.12.3.G(6)

This is an existing compound. There is an existing access road that leads to the site. Additionally, the installation will not increase the typical activity at the site, no additional traffic congestion will be generated.

Section 3.12.3.G(7)

The tower will be designed to meet all applicable regulations set forth by the district.

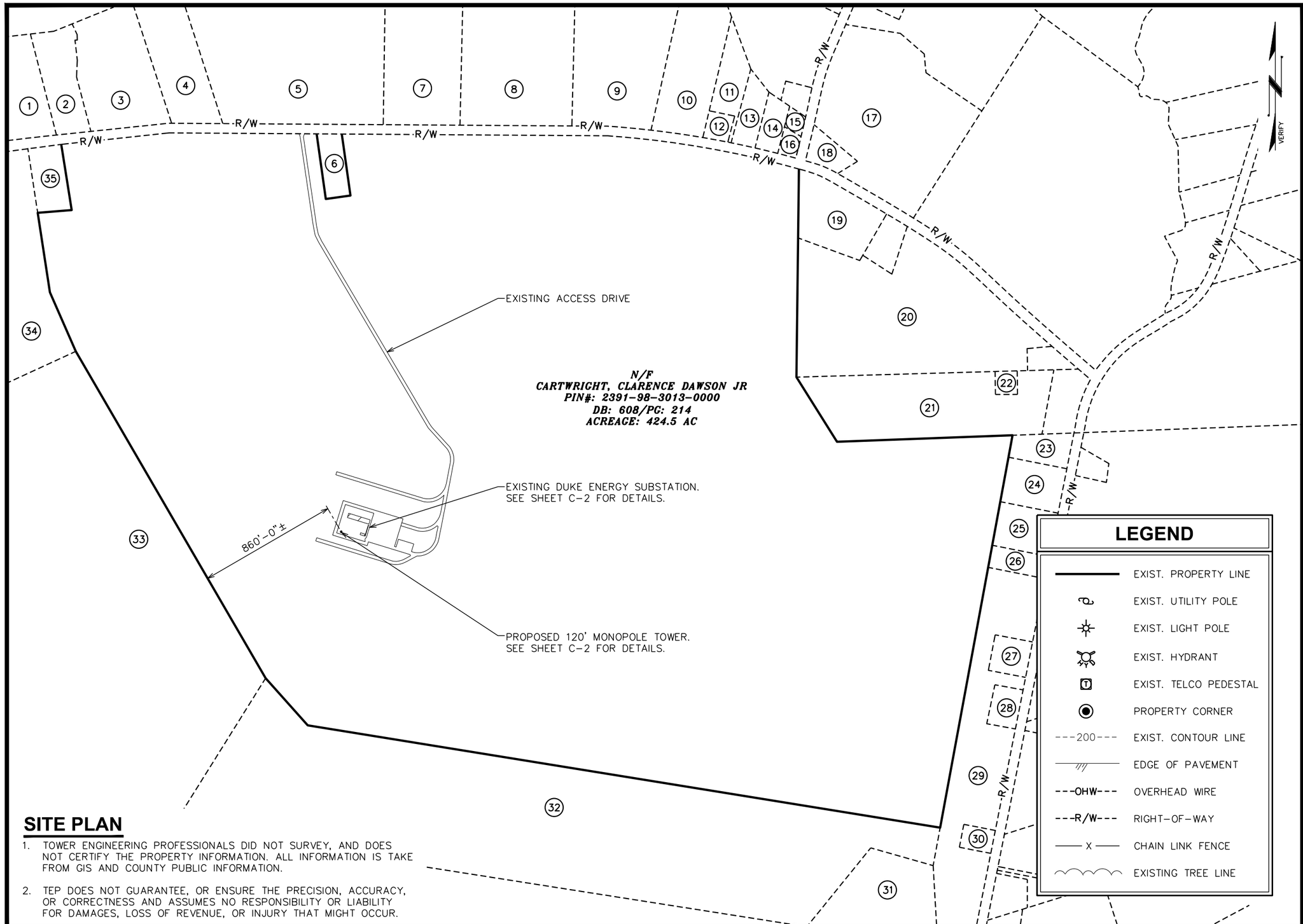
Section 3.12.3.G(8)

The tower will be installed at the existing Duke Energy Substation and will aid the ability to provide reliable power to the surrounding properties. Additionally, it is located within a large parcel, the nearest property line is over 800 feet from proposed tower base.

If you have any further questions, please contact Ryan Woods with Tower Engineering Professionals at (919) 943-0397 or rjwoods@tepgroup.net.

Sincerely,

Ryan Woods



SITE PLAN

1. TOWER ENGINEERING PROFESSIONALS DID NOT SURVEY, AND DOES NOT CERTIFY THE PROPERTY INFORMATION. ALL INFORMATION IS TAKE FROM GIS AND COUNTY PUBLIC INFORMATION.
2. TEP DOES NOT GUARANTEE, OR ENSURE THE PRECISION, ACCURACY, OR CORRECTNESS AND ASSUMES NO RESPONSIBILITY OR LIABILITY FOR DAMAGES, LOSS OF REVENUE, OR INJURY THAT MIGHT OCCUR.

SITE PLAN

SCALE: 1" = 600'

PLANS PREPARED FOR:

DUKE ENERGY.

401 SOUTH WILMINGTON STREET
RALEIGH, NC 27601
OFFICE: (800) 452-2777

PROJECT INFORMATION:

WILLARD SOLAR 230KV SUB

1041 SHILOH ROAD
WILLARD, NC 248926
(PENDER COUNTY)

PLANS PREPARED BY:

TOWER ENGINEERING PROFESSIONALS
326 TRYON ROAD
RALEIGH, NC 27603
OFFICE: (919) 661-6351
www.tepgroup.net
FLORIDA COA # 30978

SEAL:

PRELIMINARY
DO NOT USE FOR CONSTRUCTION

REV	DATE	ISSUED FOR:
1	08-16-21	CLIENT COMMENT
0	05-05-21	PRELIMINARY

DRAWN BY: RJW | CHECKED BY: JBG

SHEET TITLE:

SITE PLAN

SHEET NUMBER: **C-1A**

REVISION: 1

TEP#: 248926.417972

ADJACENT PARCEL INFORMATION

SITE #	PARCEL ID	OWNER	ADDRESS	CITY	STATE	ZIP CODE	SITE #	PARCEL ID	OWNER	ADDRESS	CITY	STATE	ZIP CODE
1	2391-79-1556-0000	ROBBINS, THOMAS JENNETTE III	PO BOX 1641	BURGAW	NC	28425	19	3301-28-5880-0000	CHADWICK CLAYTON JR	420 SHILOH RD	WILLARD	NC	28478
2	2391-79-7665-0000	HUTHMACHER, CHARLES ALLEN	1314 SHILOH RD	WILLARD	NC	28478	20	3301-38-0108-0000	TIMOTHY & TIA CHADWICK	243 SHILOH RD	WILLARD	NC	28478
3	2391-89-1721-0000	ROBBINS, THOMAS JENNETTE III	PO BOX 1641	BURGAW	NC	28425	21	3301-37-5549-0000	SCHAEFFER RUSSELL H	6749 HORSE BRANCH RD	WATHA	NC	28478
4	2391-89-5711-0000	KRAFT, RICHIE H	1174 SHILOH ROAD	WILLARD	NC	28478	22	3301-37-6756-0000	SCHAEFFER RUSSELL H	6749 HORSE BRANCH RD	WILLARD	NC	28478
5	2391-99-2913-0000	ROBBINS, THOMAS JENNETTE III	PO BOX 1641	BURGAW	NC	28425	23	3301-37-8365-0000	WELLS BRYAN KEITH	6524 HORSE BRANCH RD	WATHA	NC	28478
6	2391-99-4155-0000	CARTWRIGHT, CLARENCE DAWSON	1355 SHILOH RD	WILLARD	NC	28478	24	3301-37-8111-0000	WELLS, JULIA	PO BOX 7	WILLARD	NC	28478
7	3301-09-0929-0000	ROBBINS, THOMAS JENNETTE III	PO BOX 1641	BURGAW	NC	28425	25	3301-36-7864-0000	WELLS, MICHAEL	6583 HORSE BRANCH RD	WILLARD	NC	28478
8	3302-00-6239-0000	HORRELL, JIMMY SR	4308 GORDON ROAD	WILMINGTON	NC	28405	26	3301-36-7626-0000	WELLS W E	6570 HORSE BRANCH RD	WATHA	NC	28478
9	3301-19-2618-0000	HORREL, JIMMY L JR HORREL, SHARON	660 SHILOH RD	WATHA	NC	28478	27	3301-36-6086-0000	WELLS NATHAN STUART	6417 HORSE BRANCH RD	WATHA	NC	28478
10	3301-19-6695-0000	HORNE, TAMMY L	PO BOX 1448	BURGAW	NC	28425	28	3301-35-6745-0000	THARRINGTON RICKY R	6357 HORSE BRANCH RD	WATHA	NC	28478
11	3301-19-9548-0000	BARNHILL, ROY LAWRENCE	542 SHILOH RD	WATHA	NC	28478	29	3301-35-4480-0000	WELLS NATHAN	6231 HORSE BRANCH RD	WILLARD	NC	28478
12	3301-19-8366-0000	BARNHILL, JACKIE C BARNHILL, ROY L	542 SHILOH RD	WATHA	NC	28478	30	3301-34-4972-0000	WELLS NATHAN	6203 HORSE BRANCH RD	WATHA	NC	28478
13	3301-29-0464-0000	CLARK, BRENDA JACKSON	135 ROBERT E LEE DR	WATHA	NC	28478	31	3301-24-9402-0000	BALLARD RAYMOND L	107 WATER EDGE	HAMPSTEAD	NC	28443
14	3301-29-1396-0000	KNOWLES, BEVERLY RAY	456 SHILOH RD	WILLARD	NC	28478	32	3301-02-7980-0000	BALLARD RAYMOND	107 WATER EDGE	HAMPSTEAD	NC	28443
15	3301-29-3339-0000	KNOWLES, BEVERLY RAY	456 SHILOH RD	WATHA	NC	28478	33	2391-76-5364-0000	BRUCE BARCLAY CAMERON FOUNDATION	PO BOX 3649	WILMINGTON	NC	28406
16	3301-29-2295-0000	KNOWLES, BEVERLY RAY	456 SHILOH RD	WATHA	NC	28478	34	2391-68-6206-0000	SHAUN WELLS FARMS INC	5890 PENDERLEA HWY	WILLARD	NC	28478
17	3301-29-9422-0000	CHADWICK CLAYTON JR	420 SHILOH RD	WILLARD	NC	28478	35	2391-79-6091-0000	CARTWRIGHT, CLARENCE D JR	1355 SHILOH RD	WILLARD	NC	28478
18	3301-29-5149-0000	PIERCE JEWEL ANN JEWEL CHADWICK	420 SHILOH RD	WILLARD	NC	28478	–	–	–	–	–	–	–

*MISSING OWNER INFORMATION COULD ACCESSED FROM THE PENDER COUNTY GIS SYSTEM

PLANS PREPARED FOR:
DUKE ENERGY.
401 SOUTH WILMINGTON STREET
RALEIGH, NC 27601
OFFICE: (800) 452-2777

PROJECT INFORMATION:

WILLARD SOLAR 230KV SUB

1041 SHILOH ROAD
WILLARD, NC 248926
(PENDER COUNTY)

PLANS PREPARED BY:
TOWER ENGINEERING PROFESSIONALS
326 TRYON ROAD
RALEIGH, NC 27603
OFFICE: (919) 661-6351
www.tepgroup.net
FLORIDA COA # 30978

SEAL:

PRELIMINARY
DO NOT USE FOR CONSTRUCTION

REV	DATE	ISSUED FOR:
1	08-16-21	CLIENT COMMENT
0	05-05-21	PRELIMINARY

DRAWN BY: RJW | CHECKED BY: JBG

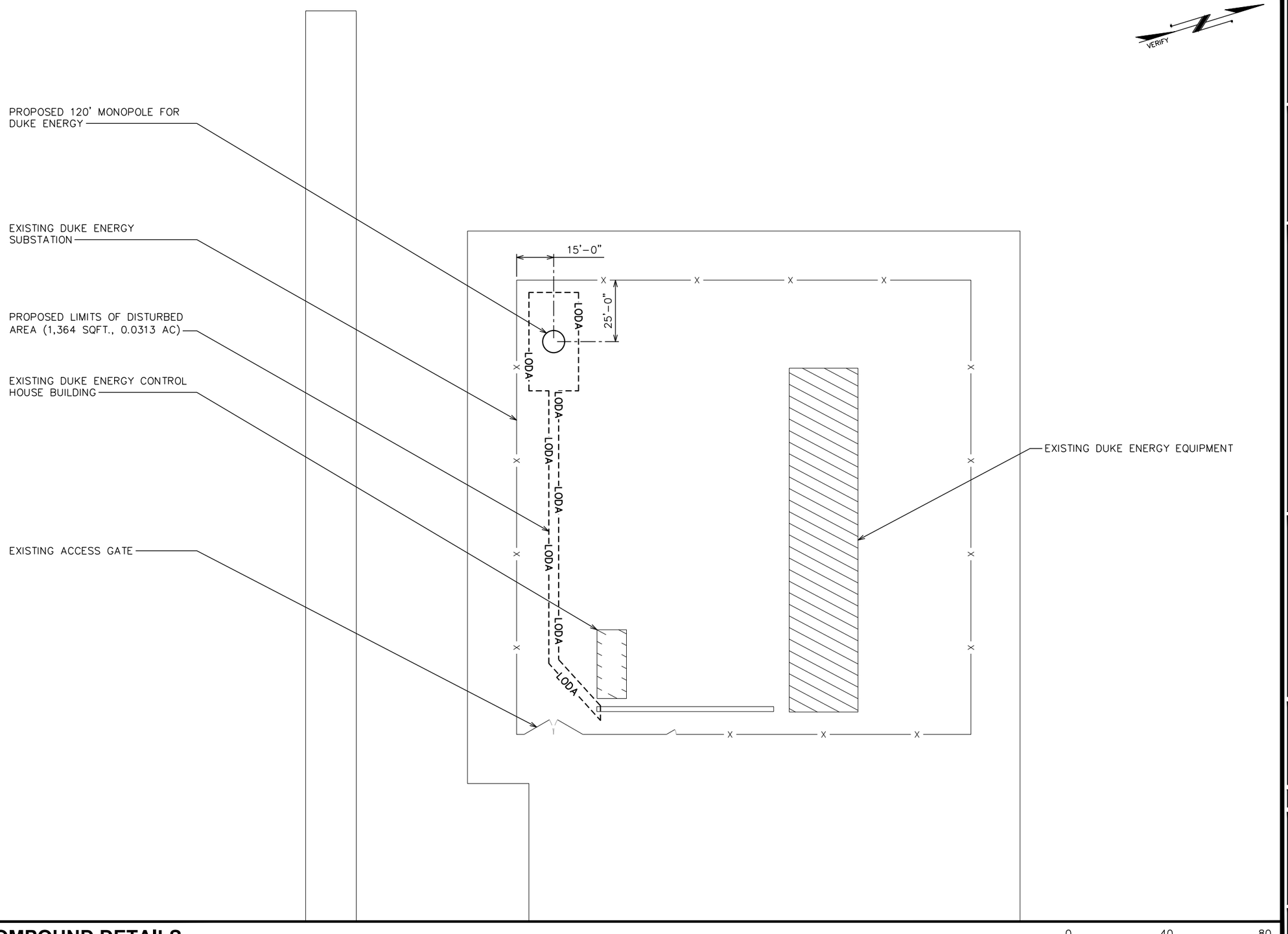
SHEET TITLE:

ADJACENT PARCEL INFORMATION

SHEET NUMBER: **C-1B**

REVISION: 1

TEP #: 248926.417972



COMPOUND DETAILS

SCALE: 1" = 40'

0 40 80

SCALE IN FEET

PLANS PREPARED FOR:

DUKE ENERGY.

401 SOUTH WILMINGTON STREET
RALEIGH, NC 27601
OFFICE: (800) 452-2777

PROJECT INFORMATION:

WILLARD SOLAR 230KV SUB

1041 SHILOH ROAD
WILLARD, NC 248926
(PENDER COUNTY)

PLANS PREPARED BY:

TOWER ENGINEERING PROFESSIONALS
326 TRYON ROAD
RALEIGH, NC 27603
OFFICE: (919) 661-6351
www.tepgroup.net
FLORIDA COA # 30978

SEAL:

PRELIMINARY
DO NOT USE FOR CONSTRUCTION

REV	DATE	ISSUED FOR:
1	08-16-21	CLIENT COMMENT
0	05-05-21	PRELIMINARY

DRAWN BY: RJW | CHECKED BY: JBG

SHEET TITLE:

COMPOUND DETAIL

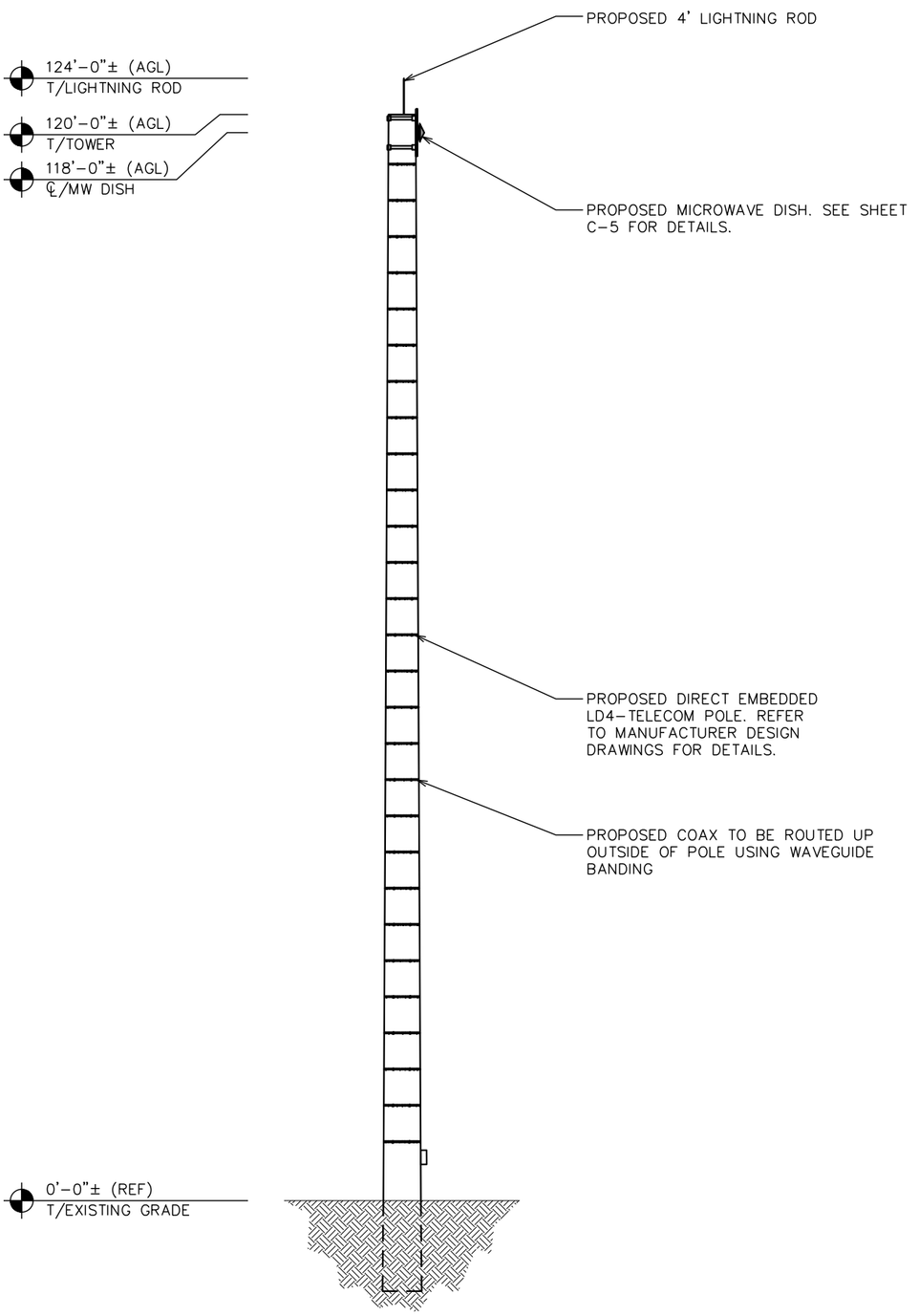
SHEET NUMBER: **C-2**

REVISION: 1

TEP#: 248926.417972

NOTES:

1. TOWER TO REMAIN A GALVANIZED COLOR.
2. TOWER SHALL NOT BE LIT UNLESS REQUIRED BY THE FAA
3. COAX TO BE ROUTED OUTSIDE TOWER USING WAVEGUIDE BANDING.



TOWER ELEVATION

SCALE: 1/16" = 1'-0"

0 16 32

SCALE IN FEET

PLANS PREPARED FOR:

DUKE ENERGY.

401 SOUTH WILMINGTON STREET
RALEIGH, NC 27601
OFFICE: (800) 452-2777

PROJECT INFORMATION:

WILLARD SOLAR 230KV SUB

1041 SHILOH ROAD
WILLARD, NC 28926
(PENDER COUNTY)

PLANS PREPARED BY:

TOWER ENGINEERING PROFESSIONALS
326 TRYON ROAD
RALEIGH, NC 27603
OFFICE: (919) 661-6351
www.tepgroup.net
FLORIDA COA # 30978

SEAL:

PRELIMINARY
DO NOT USE FOR CONSTRUCTION

REV	DATE	ISSUED FOR:
1	08-16-21	CLIENT COMMENT
0	05-05-21	PRELIMINARY

DRAWN BY: RJW CHECKED BY: JPG

SHEET TITLE:

TOWER ELEVATION

SHEET NUMBER: **C-3**

REVISION: 1

TEP#:248926.41.7972

Pender County

Request For Board Action

DATE OF MEETING:	June 21, 2021
REQUESTED BY:	Travis Henley, Director, Planning & Community Development
SHORT TITLE:	Resolution Requesting Approval of a Major Revision to an approved Special Use Permit for the construction and operation of an 85' Telecommunication Facility on an existing solar farm.
BACKGROUND:	Ryan Woods, applicant, on behalf of Clarence Dawson Jr. Cartwright Trustee, owner, is requesting the approval of a Major Revision to an approved Special Use Permit (SUP 75-2015) for the construction and operation of an 85' monopole telecommunication facility to aid in the operation of an existing solar farm within the RA, Rural Agricultural zoning district. The subject property consists of one (1) tract totaling approximately 424.5 acres of land located on the southern side of Shiloh Road between Penderlea Highway and Horse Branch Road in the Union Township and may be further identified by Pender County PIN 2391-98-3013-0000.
SPECIFIC ACTION REQUESTED:	To hold a public hearing and consider the approval of a Major Revision to an approved Special Use Permit (SUP 75-2015) for the construction and operation of an 85' Telecommunication Facility on an existing solar farm.

RESOLUTION

NOW, THEREFORE BE IT RESOLVED by the Pender County Board of Commissioners that:

on June 21, 2021 the Pender County Board of Commissioners (approved, modified, denied) a Special Use Permit Amendment, as described herein. The Chairman/County Manger is authorized to execute any/all documents necessary to implement this resolution.

AMENDMENTS:

MOVED: **SECONDED:**

☐ APPROVED ☐ DENIED

YEA VOTES: ☒ BROWN ☒ MCCOY ☒ NEWTON ☐ PIEPMEYER ☐ WILLIAMS

Upon attendance

George R. Brown, Chairman 06/21/2021 Date

Clerk to the Board 06/21/2021 Date

Pender County
Planning and Community Development

Planning Division
805 S. Walker Street
PO Box 1519
Burgaw, NC 28425

Phone: 910-259-1202
Fax: 910-259-1295
www.pendercountync.gov

August 12, 2021

Ryan Woods
326 Tryon Road
Raleigh, North Carolina 27603

VIA EMAIL: rjwoods@tepgroup.net

Re: SUP 2021-20 Major Revision – Special Use Permit Approval (PIN: 2391-98-3013-0000)

Mr. Woods,

The Pender County Board of Commissioners, at their June 21, 2021 meeting, voted (3-0) to approve the Major Revision (SUP 2021-20) to the existing Special Use Permit (SUP 75-2017) for the construction and operation of an 85' monopole telecommunication facility to aid in the operation of an existing solar farm within the RA, Rural Agricultural zoning district. The subject property consists of one tract totaling approximately 424.5 acres of land located on the southern side of Shiloh Road between Penderlea Highway and Horse Branch Road in the Union Township and may be further identified by Pender County PIN 2391-98-3013-0000.

Enclosed is the Board Action Form containing this approval information. The Board Order Findings of Facts will be forwarded to you once finalized. Please be aware that the following conditions are part of this Special Use Permit approval:

All conditions of approval for SUP 75-2015 shall remain in effect and are as follows:

1. The project shall comply with all requirements of the Pender County Unified Developed Ordinance.
2. Any violations of the conditions of this permit, confirmed by the Zoning Administrator shall result in this permit becoming void, if not corrected within 30 days of receipt of the notice of violation.
3. The applicant shall meet all other local, state, and federal regulations.
4. The obligations imposed by this permit will be the responsibility of the property owner and operator and shall continue in affect for the duration of this permit.
5. The facility must be fenced surrounding the entire project bounds.
6. A Decommissioning Plan shall be recorded within the Pender County Register of Deeds. The plan shall identify and establish procedures for removal of equipment, conduit, structures, fencing, roads, and foundations.

7. A site that ceases to produce energy on a continuous basis for 12 months will be considered abandoned unless the current responsible party (or parties) with ownership interest provides substantial evidence (updated every 6 months after 12 months of no energy production) to the Zoning Administrator of the intent to maintain and reinstate the operation of that facility. Upon determination of abandonment, the Zoning Administrator shall notify the party (or parties) responsible they must remove the facility and restore the site such that it will be suitable for its use prior to development of the site within three hundred and sixty (360) days of notice by the Zoning Administrator.
8. If the responsible party (or parties) fails to comply, the Zoning Administrator may remove the equipment from the site, sell any removed materials, and initiate judicial proceedings or take any other steps legally authorized against the responsible parties to recover the costs required to remove the facility and restore the site to a non-hazardous condition.
9. Any expansions of solar farm acreage shall require a revision to the approval Special Use Permit.
10. If the operation of the monopole telecommunication facility were found to adversely impact other radio signals in the surrounding area, the applicant or operator of the telecommunication facility shall be held responsible for correcting those impacts. In the event that any adverse impacts cannot be corrected, Planning Staff shall initiate appropriate processes to revoke the Special Use Permit for the monopole telecommunication.

At this time, please submit a Minor Site Development Plan that complies with the Pender County Unified Development Ordinance in order to obtain zoning approval. Please be aware that no project activity is authorized on the site until a Final Zoning Permit has been issued. In addition, this Special Use Permit shall expire and become void if a final zoning permit has not been issued for this project within 24 months.

If you have any questions or concerns, please do not hesitate to contact me at (910) 259-1529 or gsmith@pendercountync.gov.

Sincerely,

Gideon Smith
Senior Planner

cc: Henry Kitchin, McGuireWoods LLP, hkitchin@mcguirewoods.com

8) Existing and proposed structures and on-site improvements;
9) Existing and proposed fencing, vegetative screening and buffering;
10) Existing and proposed signs, lighting, landscaping, walks, parking and drives;
11) Detail any expected impact to the community, such as; traffic, noise, vibration, glare, odor, dust, etc. and the method being used to lessen these impacts.

3.12.3 Procedures for Reviewing Applications

A. The special uses, as specified in the various districts, may be established only after review and approval by the Board of Commissioners.

B. The Board of County Commissioners, acting in a quasi-judicial manner and setting, shall hear evidence from the applicant and any interested members of the public.

C. The Board of Commissioners shall hold a public hearing on the application for a Special Use Permit within sixty (60) days after the completed application is filed.

D. The Administrator shall cause notice of the hearing to be published once a week for two successive calendar weeks. The notice shall be published for the first time not less than ten (10) nor more than twenty-five (25) days before the date fixed for the hearing.

E. All Special Use Permit applications must be presented to the Administrator for a determination of completeness.

F. An appeal from a completeness determination may be made to the Board of Adjustment within twenty (20) days of the determination.

G. The Board of Commissioners shall approve, modify, or deny the application for a Special Use Permit. In approving a Special Use Permit, the Board of Commissioners, with due regard to the nature and state of all adjacent structures and uses in the district within same is located, shall make written findings that the following are fulfilled:

1) The use requested is listed among the special uses in the district for which application is made, or is similar in character to those listed in that district;
2) The requested use will not impair the integrity or character of the surrounding or adjoining districts, nor adversely affect the safety, health, morals, or welfare of the community or of the immediate neighbors of the property;
3) The proposed use shall not constitute a nuisance or hazard;
4) The requested use will be in conformity with the Pender County Land Use Plan and other official plans or policies adopted by the Board of County Commissioners;
5) Adequate utilities, access roads, drainage, sanitation or other necessary facilities have been or are being provided;
6) That adequate measures have been or will be taken to provide ingress and egress so designed as to minimize the traffic congestion in the public roads;
7) That the special use shall, in all other respects, conform to the applicable regulations of the district in which it is located; and
8) The proposed use shall not adversely affect surrounding uses and shall be placed on a lot of sufficient size to satisfy the space requirements of said use.

3.12.4 General Provisions Concerning Special Use Permits

A. Compliance With Other Codes - Granting of a Special Use Permit does not exempt the applicant from complying with all of the requirements of building codes and other Ordinances.

B. Revocation - In any case where the Special Use Permit or the conditions of a Special Use Permit have not been or are not being complied with, the Administrator may initiate a notice of violation for the provisions of this Ordinance and the conditions of the Special Use Permit not in compliance or the Administrator, may initiate notice of a public hearing to consider revocation of the permit by the Board of Commissioners or both actions may be initiated. Procedures for notice of such hearing shall be the same as procedures for consideration of an initial application for a Special Use Permit and the permittee shall be notified. After a public hearing has been held, the Board of Commissioners may revoke the Special Use Permit upon finding any of the following:

1) That the approval was obtained by fraud.
2) That the use for which such approval was granted is not being executed.
3) That the use for which such approval was granted has ceased to exist or has been suspended for one year.
4) That the permit granted is being, or recently has been exercised contrary to the terms or conditions of such approval.
5) That the permit granted is in violation of an Ordinance or Statute.
6) That the use for which the approval was granted was so exercised as to be detrimental to the public health or safety, or so as to constitute a nuisance.

C. Expiration - Unless a request for additional time is granted or approved otherwise as a condition of the permit, a Special Use Permit shall expire and become void if final Zoning Approval has not been issued for the project within 24 months after the Notice of Approval of the Special Use Permit has been served on the applicant. The Administrator may provide one extension of the expiration date by no more than 6 months, for complex projects requiring major state or federal permits, upon receipt of a written request for such extension by the applicant detailing the reasons for delay in completion of the requirements for the Zoning Approval.

D. Duration of Special Use - Any conditions imposed on a special use authorized and exercised shall be perpetually binding upon the property unless expressly limited by the Special Use Permit or subsequently changed or amended by the Board of Commissioners after application to the Board of Commissioners and a public hearing.

E. Conditions and Guarantees - Prior to the granting of any special use, the Board of Commissioners may stipulate such conditions and restrictions upon the establishment, location, or construction, maintenance, and operation of the special use as it deems necessary for the protection of the public and to secure compliance with the standards and requirements specified in this Ordinance. In all cases in which special uses are granted, the Board of Commissioners shall require such evidence and guarantees as it may deem necessary to assure that conditions stipulated in connection therewith are being and will be complied with.

1) Such conditions may include a time limitation.
2) Conditions may be imposed which require that one or more things be done before the use requested can be initiated. For example, "that a solid board fence be erected around the site to a height of six (6) feet before the use requested is initiated".
3) Conditions of a continuing nature may be imposed. For example, "exterior loud speakers shall not be used between the hours of 10:00 p.m. and 9:00 a.m."

F. Filing of Special Use - The Administrator shall file the approved or disapproved application forms with the decision of the Board of Commissioners.

G. Appeals from the Board of Commissioners - Appeals to the Superior Court may be taken by any person, firm, or corporation aggrieved, or by any officer, department, board of the county affected by any decision of the Board of Commissioners, provided such appeals shall be taken within thirty (30) days after the decision of the Board of Commissioners is filed in the office of the Administrator, or after a written copy thereof is delivered to the applicant, whichever is later. The decision of the Board of Commissioners shall be delivered to the applicant by certified mail, return receipt requested.

H. Revisions - Major revisions to a Special Use Permit must be submitted to the Board of Commissioners. All legal notice and application fee requirements must be met for major revisions. Revisions that are considered minor revisions to an approved Special Use Permit may be reviewed and approved by the Administrator after basic submission requirements have been completed. All revisions approved by the Administrator must meet the original conditions of the permit as approved by the County Commissioners and current provisions of the Zoning Ordinance. The addition of an accessory structure less than 1000 sq. ft., addition of parking or other ancillary facilities or uses or the addition of similar product lines are examples of revisions that may be considered minor revisions.

3.13 DETERMINATION OF VESTED RIGHT

3.13.1 Establishment

A. With Site Specific Development Plan

1) In order for a zoning vested right to be established upon approval of a development plan, the applicant must indicate at the time of application, on a form to be provided by the County, that a zoning vested right is being sought. Site specific development plan means a plan which has been submitted to the County by a landowner describing with reasonable certainty the type and intensity of use for a specific parcel or parcels of property. Such plan may be in the form of, but not be limited to, any of the following plans or approvals: A planned development plan, a subdivision plat, a Master Development Plan or minor site plan, a conditional or special use permit, or any other land-use approval designation as may be utilized by a county. The plan shall include the approximate boundaries of the site; significant topographical and other natural features effecting development of the site; the approximate location on the site of the proposed buildings, structures, and other improvements; the approximate dimensions, including height, of the proposed buildings and other structures; and the approximate location of all existing and proposed infrastructure on the site, including water, sewer, roads, and pedestrian walkways. A variance shall not constitute a site specific development plan, and approval of a site specific development plan with the condition that a variance be obtained shall not confer a vested right unless and until the necessary variance is obtained.

2) Each map, plat, site plan or other document evidencing a site specific development plan shall contain the following notation: “Approval of this plan established a zoning vested right under N.C.G.S. Section 153A-344.1. Unless terminated at an earlier date, the zoning vested right shall be valid until (date).”

Pender County

Request For Board Action

DATE OF MEETING:	November 15, 2021
REQUESTED BY:	Travis Henley, Director, Planning & Community Development
SHORT TITLE:	Resolution Requesting Approval of a Major Revision to an approved Special Use Permit for the construction and operation of an 120' Telecommunication Facility on an existing solar farm.
BACKGROUND:	Ryan Woods, applicant, on behalf of Clarence Dawson Jr. Cartwright Trustee, owner, is requesting the approval of a Major Revision to an approved Special Use Permit (SUP 75-2015; SUP 2021-20) for the construction and operation of a 120’ monopole telecommunication facility to aid in the operation of an existing solar farm within the RA, Rural Agricultural zoning district. The subject property consists of one tract totaling approximately 424.5 acres of land located on the southern side of Shiloh Road between Penderlea Highway and Horse Branch Road in the Union Township and may be further identified by Pender County PIN 2391-98-3013-0000.
SPECIFIC ACTION REQUESTED:	To hold a public hearing and consider the approval of a Major Revision to an approved Special Use Permit (SUP 75-2015; SUP 2021-20) for the construction and operation of an 120' Telecommunication Facility on an existing solar farm.

RESOLUTION

NOW, THEREFORE BE IT RESOLVED by the Pender County Board of Commissioners that:

on November 15, 2021 the Pender County Board of Commissioners (approved, modified, denied) a Special Use Permit Amendment, as described herein. The Chairman/County Manger is authorized to execute any/all documents necessary to implement this resolution.

AMENDMENTS:

MOVED: **SECONDED:**

☐ APPROVED ☐ DENIED

YEA VOTES: ☐ BROWN ☐ MCCOY ☐ NEWTON ☐ PIEPMEYER ☐ WILLIAMS

11/15/2021

George R. Brown, Chairman Date

11/15/2021

Clerk to the Board Date