

## 3 Planning Area Profile

This section provides a general overview of the current conditions in the Eno-Haw region and its participating municipalities. It consists of the following sub-sections:

- ▶ 3.1 Geography and Environment
- ▶ 3.2 Population and Demographics
- ▶ 3.3 Historic Properties
- ▶ 3.4 Housing
- ▶ 3.5 Infrastructure
- ▶ 3.6 Current and Future Land Use
- ▶ 3.7 Employment and Industry

### 3.1 GEOGRAPHY AND ENVIRONMENT

The Eno-Haw region, which contains Alamance, Durham, Orange, and Person Counties, is located in north central North Carolina in the piedmont. A location map is provided in Figure 3.1.

The planning area comprises a total land area of approximately 1,499 square miles, the sum of the total area of each participating county. Note that several jurisdictions extend into neighboring counties that are not participants of this plan. The full extent of these jurisdictions is including in the planning area and scope of this plan. The total land area of each participating jurisdiction is listed in Table 3.1.

**Table 3.1 – Total Land Area of Participating Jurisdictions**

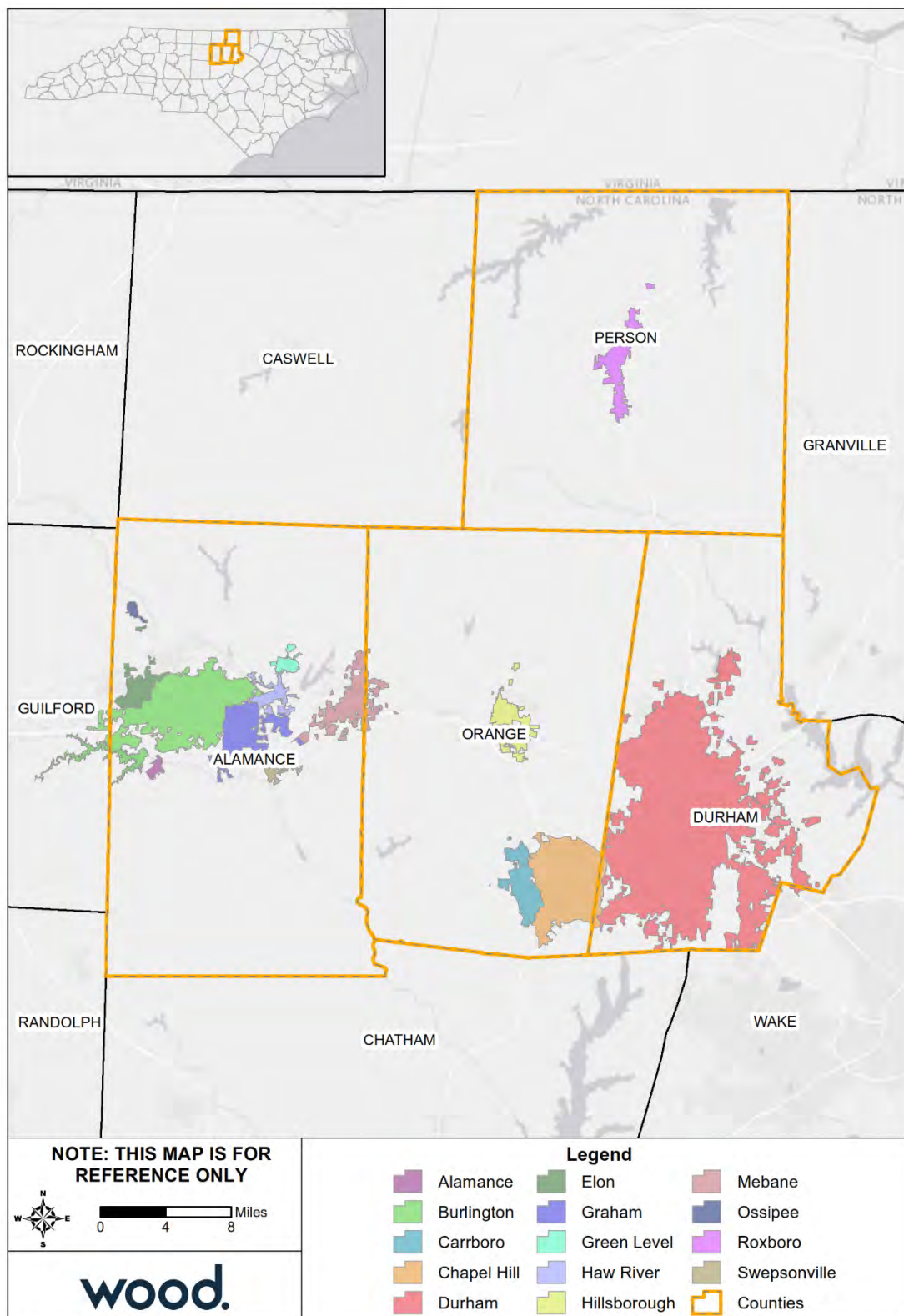
Jurisdiction	Total Area (sq. mi.)
<b>Alamance County</b>	<b>423.3</b>
City of Burlington*	25.4
City of Graham	9.7
City of Mebane*	8.5
Town of Elon	3.9
Town of Green Level	1.4
Town of Haw River	2.9
Town of Ossipec	0.6
Town of Swepsonville	1.5
Village of Alamance	0.8
<b>Durham County</b>	<b>286.3</b>
City of Durham*	108.3
<b>Orange County</b>	<b>397.4</b>
Town of Carrboro	6.5
Town of Chapel Hill*	21.3
Town of Hillsborough	4.6
<b>Person County</b>	<b>392.1</b>
City of Roxboro	6.4
<b>Region Total</b>	<b>1,499.2</b>

Source: US Census Bureau, [www.data.census.gov](http://www.data.census.gov)

\*These jurisdictions extend into neighboring counties

## SECTION 3: PLANNING AREA PROFILE

Figure 3.1 – Eno-Haw Region Location Map



Source: U.S. Census Bureau

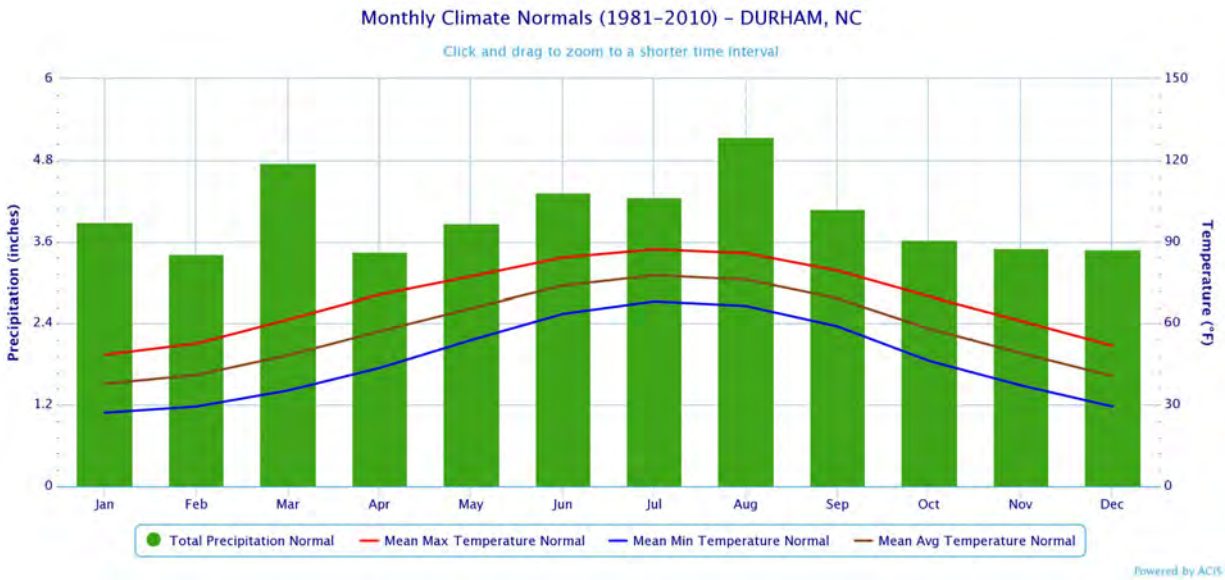
Eno-Haw

Regional Hazard Mitigation Plan  
2020

## SECTION 3: PLANNING AREA PROFILE

According to the Köppen climate classification system, the Eno-Haw region has a humid subtropical climate characterized by mild winters and hot humid summers with significant precipitation even during the driest month. The region experiences an average annual high temperature of 69.1°F and an average annual low of 46.6°F. Average annual rainfall is approximately 47.8 inches and average annual snowfall is 1.9 inches. Figure 3.2 shows the average monthly precipitation for the Durham weather station, which approximates temperature and precipitation of the region.

**Figure 3.2 – Average Monthly Temperature and Precipitation**



Source: Northeast RCC CLIMOD 2.

As shown in the map of HUC-8 watersheds in Figure 3.3, the majority of the Eno Haw region is split between the Haw River Basin, the Upper Neuse River Basin, and the Lower Dan River Basin.

### Wetlands

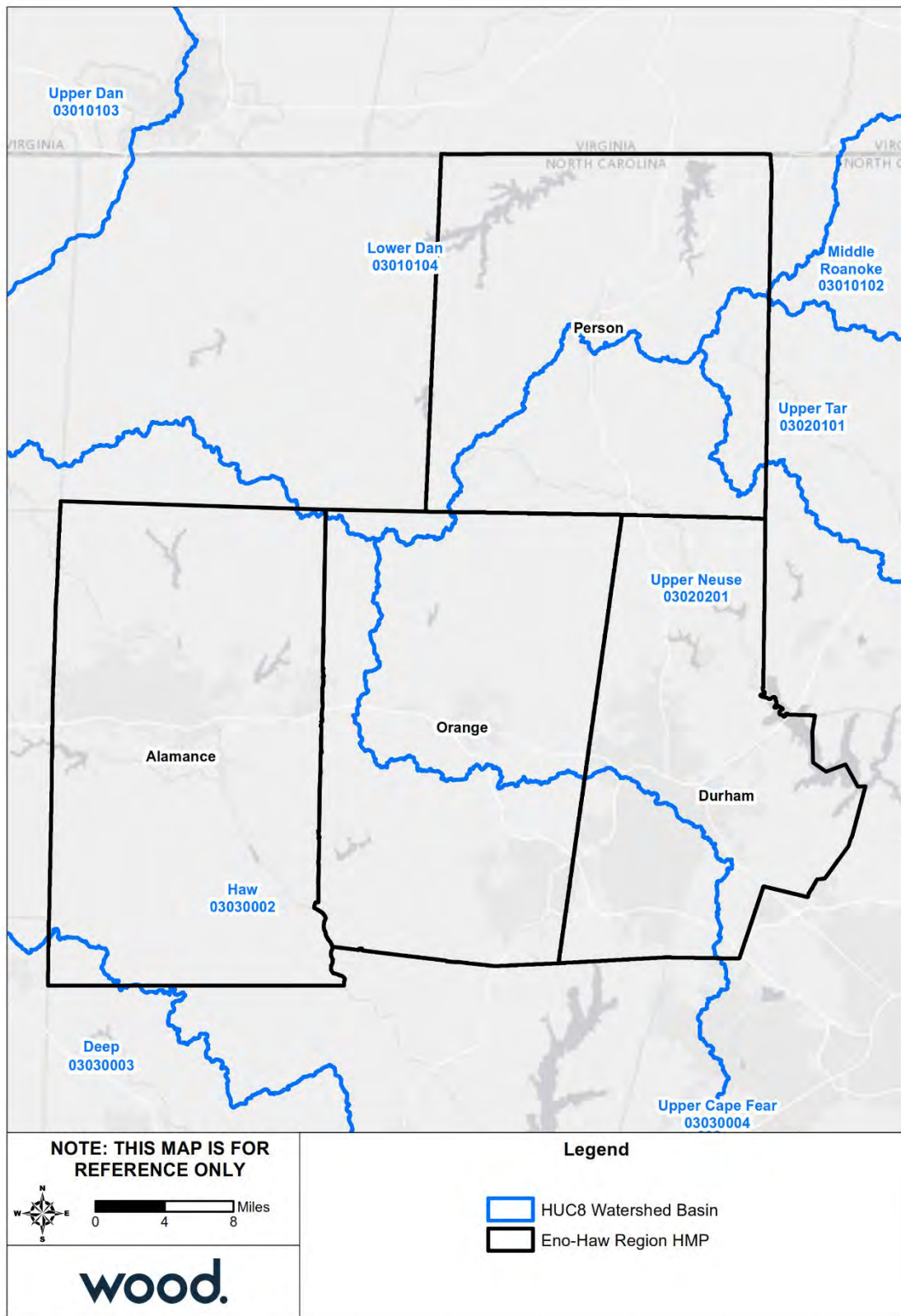
According to data from the U.S. Fish and Wildlife Service's National Wetlands Inventory, there are approximately 49,490 acres of wetlands in the region. Wetland areas are shown in Figure 3.4.

*Natural and Beneficial Wetland Functions:* The benefits of wetlands are hard to overestimate. They provide critical habitat for many plant and animal species that could not survive in other habitats. They are also critical for water management as they absorb and store vast quantities of storm water, helping reduce floods and recharge aquifers. Not only do wetlands store water like sponges, they also filter and clean water as well, absorbing toxins and other pollutants.

### Parks, Preserve, and Conservation

The Eno Haw region is home to many parks, preserves, and other natural areas including three state parks: Eno River State Park in Durham and Orange Counties, Falls Lake State Recreation Area located partially in Durham County, and Oconeechee Mountain State Park in Orange County. The Mountains-to-Sea State Trail also runs through Alamance, Orange, and Durham Counties.

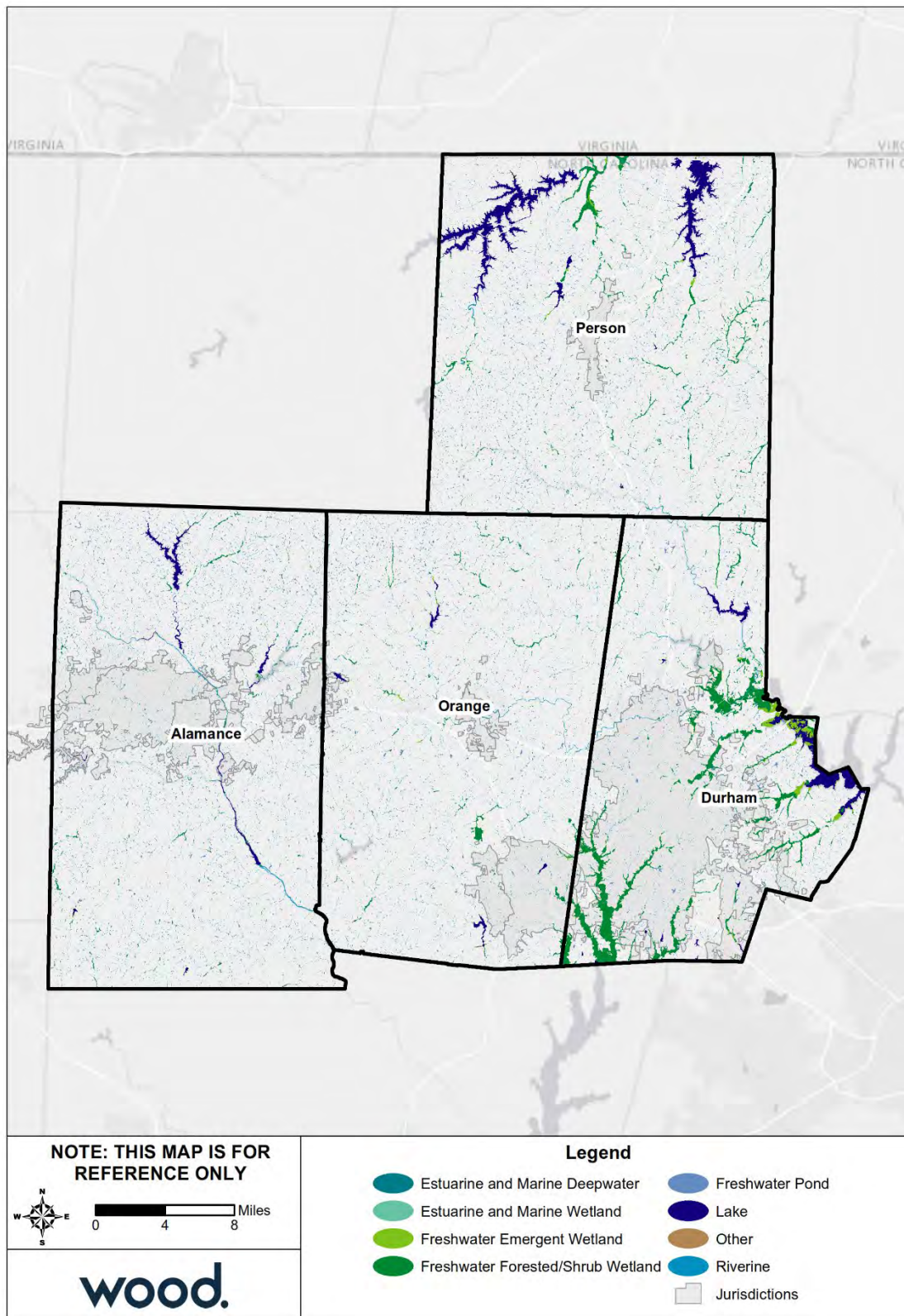
Figure 3.3 – HUC-8 Drainage Basins



Source: USDA Natural Resources Conservation Service



Figure 3.4 – Wetland Areas by Type



Source: U.S. Fish & Wildlife Service National Wetlands Inventory

Eno-Haw

Regional Hazard Mitigation Plan  
2020

## SECTION 3: PLANNING AREA PROFILE

### Threatened and Endangered Species

The U.S. Fish and Wildlife Service maintains a regular listing of threatened species, endangered species, species of concern, and candidate species for counties across the United States. Table 3.2 below lists the species identified as threatened, endangered, or other classification and which county they are found in.

**Table 3.2 – Threatened and Endangered Species, Eno-Haw Region**

Group	Common Name	Scientific Name	Federal Status	County
Amphibians	Neuse River waterdog	Necturus lewisi	Proposed Threatened	D, O, P
Birds	Red-cockaded woodpecker	Picoides borealis	Endangered	O
Clams	Dwarf wedgemussel	Alasmidonta heterodon	Endangered	D, O, P
Clams	Green floater	Lasmigona subviridis	Under Review	D, O, P
Clams	Atlantic pigtoe	Fusconaia masoni	Proposed Threatened	A, D, O, P
Clams	Yellow lance	Elliptio lanceolata	Threatened	P
Fishes	Cape Fear shiner	Notropis mekistocholas	Endangered	A, O
Fishes	Carolina madtom	Noturus furiosus	Proposed Endangered	D, O, P
Flowering Plants	Smooth coneflower	Echinacea laevigata	Endangered	D
Flowering Plants	Michaux's sumac	Rhus michauxii	Endangered	D
Mammals	Little brown bat	Myotis lucifugus	Under Review	D

Source: U.S. Fish & Wildlife Service (<https://www.fws.gov/endangered/>)

Key: A = Alamance County; D = Durham County; O = Orange County; P = Person County

## 3.2 POPULATION AND DEMOGRAPHICS

The Eno-Haw region has experienced significant population growth over the last several decades. According to U.S. Census data from the Decennial Census and the American Community Survey (ACS) 5-Year Estimates, from 2000 to 2018, the region's total population increased by nearly 28 percent, which equates to an average annual growth rate of about 1.5 percent. Overall population density in the region increased from approximately 378.6 persons per square mile in 2010 to 433.1 persons per square mile in 2018. Table 3.3 provides population counts from 2000, 2010, and 2018 for each of the participating counties. Population statistics for participating jurisdictions are included in each jurisdiction's annex. Figure 3.5 on the following page shows 2017 population density by census tract in persons per square mile.

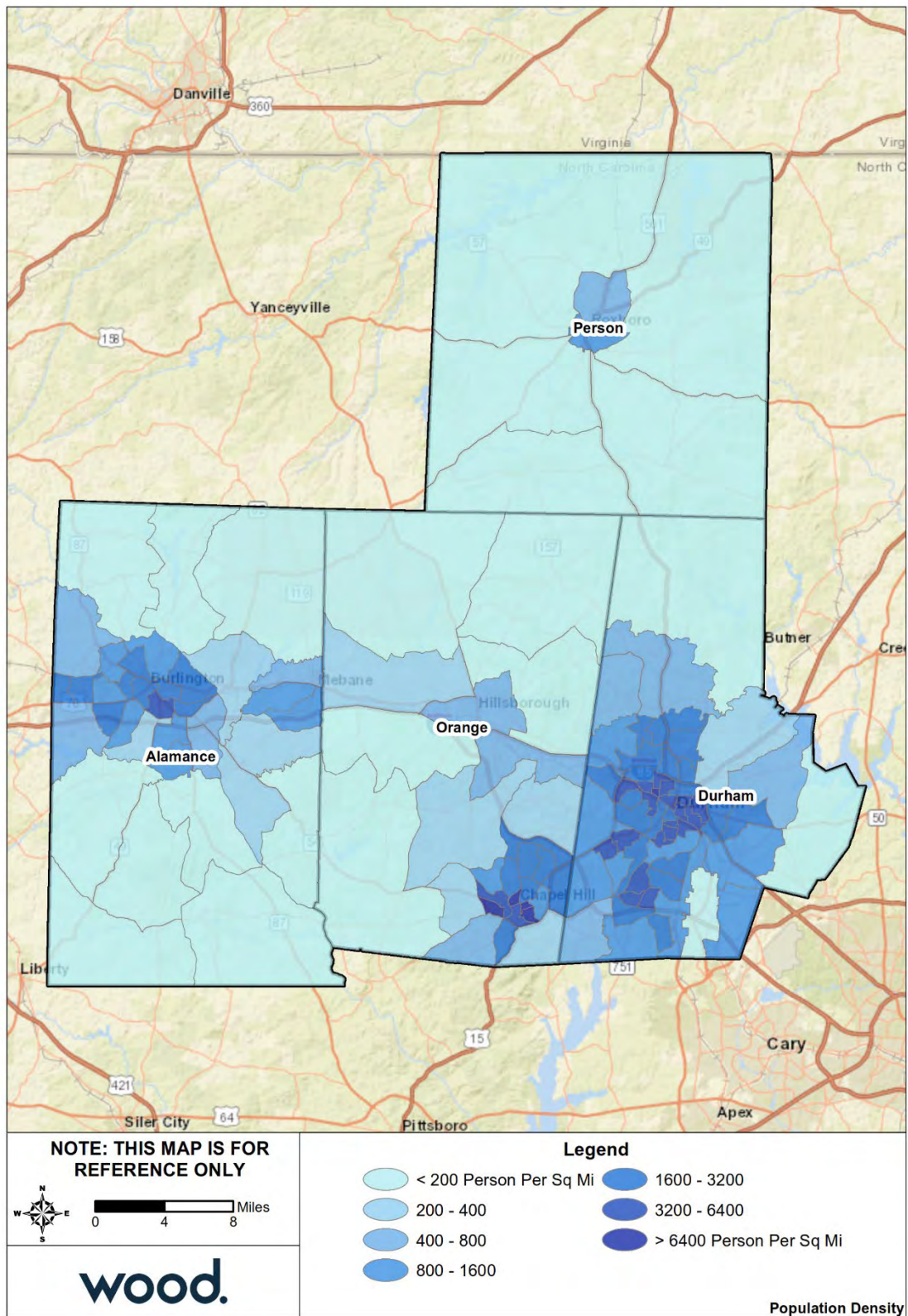
**Table 3.3 – Eno-Haw Region Population Counts**

Jurisdiction	2000 Census Population	2010 Census Population	2018 ACS Population Estimate	Total Change 2010-2018	% Change 2010-2018
Alamance County	130,800	146,902	160,576	13,674	9.3%
Durham County	223,314	257,466	306,457	48,991	19.0%
Orange County	118,227	124,244	142,938	18,694	15.0%
Person County	35,623	39,022	39,305	283	0.7%
<b>Region Total</b>	<b>507,964</b>	<b>567,634</b>	<b>649,276</b>	<b>81,642</b>	<b>14.4%</b>

Source: US Census Bureau Decennial Census 2000, Decennial Census 2010; American Community Survey 2018 5-Year Estimates



Figure 3.5 – Population Density, 2017



Source: U.S. Census Bureau, American Community Survey 2013-2017 5-Year Estimates

## SECTION 3: PLANNING AREA PROFILE

Table 3.4 details demographic and social characteristics of each of the participating counties compared to the State of North Carolina overall according to the 2018 ACS 5-Year Estimates. Per this data, Alamance County and Person Counties have older populations than the state average, and a greater proportion of individuals with disabilities. Alamance, Durham, and Orange Counties have a greater percentage of individuals who speak English less than very well. Educational attainment is higher than the state average in Durham and Orange Counties but lower in Alamance and Person Counties.

**Table 3.4 – Eno Haw Region Demographic Summary, 2018**

Demographic & Social Characteristics	Alamance County	Durham County	Orange County	Person County	North Carolina
Median Age	39.5	35.2	34.7	43.2	38.6
% of Population Under 5 years old	5.8	6.7	4.6	5.2	5.9
% of population Over 65 years old	16.4	12.1	12.8	18.4	15.5
% of Population Over 25 with high school diploma	85.5%	88.4%	92.7%	86.3%	87.4%
% of Population Over 25 with bachelor's degree or higher	24.0%	47.5%	57.6%	15.3%	30.5%
% with Disability	14.3	10.0	8.8	18.8	13.6
% Speak English less than "very well"	5.5	8.7	5.9	1.6	4.6

Source: US Census Bureau, American Community Survey 2014-2018 5-Year Estimates

The racial characteristics of the participating counties, compared to the state average, are presented in Table 3.5. Alamance, Orange, and Person Counties are a majority White, while Durham County has no racial majority, with a greater proportion of Hispanic and African American individuals. Compared to the state average, Alamance and Durham Counties have larger Hispanic populations, Durham and Person Counties have larger African American populations, and Durham and Orange Counties have larger Asian populations.

**Table 3.5 – Eno-Haw Region Racial Demographics, 2018**

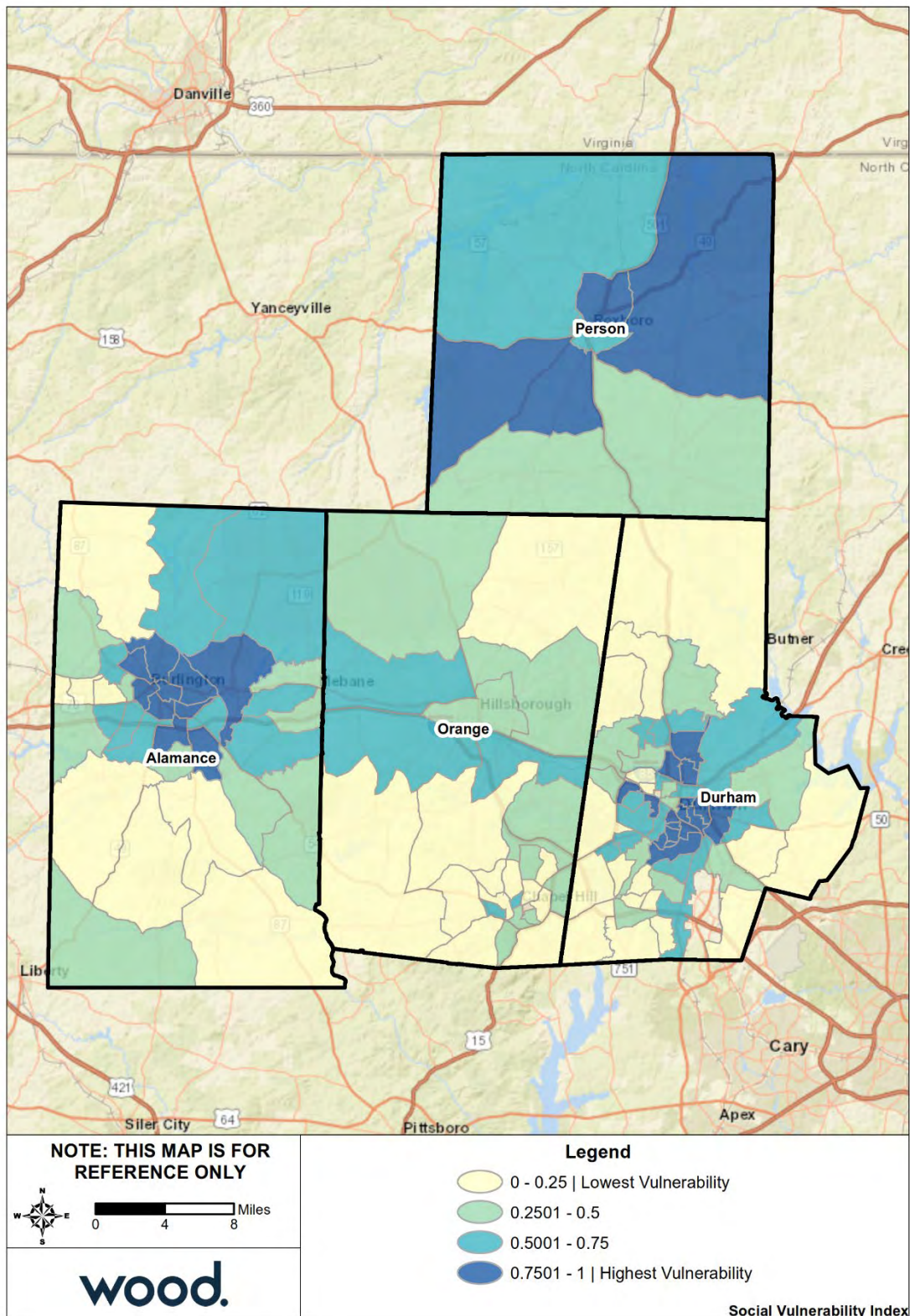
Demographics	Alamance County	Durham County	Orange County	Person County	North Carolina
Total Population	160,576	306,457	142,938	39,305	10,155,624
White, not Hispanic	64.6%	42.2%	69.3%	66.4%	63.3%
Hispanic or Latino	12.4%	13.4%	8.4%	4.2%	9.2%
Black or African American	19.0%	36.5%	11.2%	26.7%	21.10%
Asian	1.5%	4.9%	7.7%	0.4%	2.8%
American Indian and Alaska Native	0.3%	0.2%	0.5%	0.4%	1.1%
Native Hawaiian and Other Pacific Islander	0.0%	0.0%	0.0%	0.0%	0.1%
Some other race	0.2%	0.3%	0.2%	0.1%	0.2%
Two or more races	2.0%	2.4%	2.7%	1.9%	2.2%

Source: US Census Bureau, American Community Survey 2014-2018 5-Year Estimates

Figure 3.6 displays social vulnerability information for the Eno-Haw Region by census tract according to 2016 data and analysis by the Centers for Disease Control and Prevention (CDC). The CDC's Social Vulnerability Index (SVI) indicates the relative vulnerability within census tracts based on 15 social factors: poverty, unemployment, income, education, age, disability, household composition, minority status, language, housing type, and transportation access. Higher social vulnerability is an indicator that a community may be limited in its ability to respond to and recover from hazard events. Therefore, using this SVI information can help the Region and jurisdictions to prioritize pre-disaster aid, allocate emergency preparedness and response resources, and plan for the provision of recovery support.



Figure 3.6 – Social Vulnerability Index by Census Tract, 2016



Source: Centers for Disease Control and Prevention (CDC) / Agency for Toxic Substances and Disease Registry (ATSDR) / Geospatial Research, Analysis, and Services Program (GRASP).

### 3.3 HISTORIC PROPERTIES

As of January 8, 2020, the Eno-Haw region had 217 listings on the National Register of Historic Places including 68 in Alamance County, 85 in Durham County, 52 in Orange County, and 12 in Person County, detailed in Table 3.6. Of the 217 total listings in the region, 57 listings are Historic Districts. Listing on the National Register signifies that these structures and districts have been determined to be worthy of preservation for their historical or cultural values. Additionally, seven of these properties are also listed as National Historic Landmarks; four are located in Durham County and three are located in Orange County.

**Table 3.6 – National Register of Historic Places Listings in the Eno-Haw Region**

Ref#	Property Name	Listed Date	City
<b>Alamance County</b>			
70000435	Alamance Battleground State Historic Site	2/26/1970	Alamance
07000821	Alamance Mill Village Historic District	8/16/2007	Alamance
77000988	Holt, L. Banks, House	4/18/1977	Alamance
84000301	Altamahaw Mill Office	11/20/1984	Altamahaw
87001099	Bellemont Mill Village Historic District	7/1/1987	Bellemont
87000454	Kernodle--Pickett House	3/23/1987	Bellemont
84001906	Alamance Hotel	5/31/1984	Burlington
70000436	Allen House	2/26/1970	Burlington
84001909	Atlantic Bank and Trust Company Building	5/31/1984	Burlington
09000599	Beverly Hills Historic District	8/5/2009	Burlington
90001320	Downtown Burlington Historic District	9/6/1990	Burlington
00000393	East Davis Street Historic District	4/20/2000	Burlington
84001914	Efird Building	5/31/1984	Burlington
84001917	First Baptist Church	5/31/1984	Burlington
84001919	First Christian Church of Burlington	5/31/1984	Burlington
93001197	Fogleman, Polly, House	11/22/1993	Burlington
84001920	Holt-Frost House	5/31/1984	Burlington
84001921	Horner Houses	5/31/1984	Burlington
84001922	Lakeside Mills Historic District	5/31/1984	Burlington
16000585	May Hosiery Mills Knitting Mill	8/26/2016	Burlington
86003438	McCray School	12/4/1986	Burlington
82003420	Menagerie Carousel	8/30/1982	Burlington
84001924	Moore-Holt-White House	5/31/1984	Burlington
01001427	South Broad--East Fifth Streets Historic District	12/31/2001	Burlington
80002800	Southern Railway Passenger Station	5/23/1980	Burlington
79001653	St. Athanasius Episcopal Church and Parish House and the Church of the Holy Comforter	5/29/1979	Burlington
84001926	Stagg House	5/31/1984	Burlington
87000457	Sunny Side	3/23/1987	Burlington
88001594	US Post Office	9/23/1988	Burlington
84000359	West Davis Street-Fountain Place Historic District	11/5/1984	Burlington
16000219	Western Electric Company--Tarheel Army Missile Plant	5/2/2016	Burlington
84001930	Windsor Cotton Mills Office	5/31/1984	Burlington
88000166	Elon College Historic District	3/22/1988	Elon College
94000130	Johnston Hall	3/7/1994	Elon College

### SECTION 3: PLANNING AREA PROFILE

Ref#	Property Name	Listed Date	City
79001654	Glencoe Mill Village Historic District	2/16/1979	Glencoe
10001055	Glencoe School	12/27/2010	Glencoe
79001655	Alamance County Courthouse,	5/10/1979	Graham
86003455	Cedarock Park Historic District	12/4/1986	Graham
83001834	Graham Historic District	4/7/1983	Graham
06000687	Morrow, William P., House	8/9/2006	Graham
99000698	North Main Street Historic District	6/10/1999	Graham
14000291	Oneida Cotton Mills and Scott--Mebane Manufacturing Company Complex	6/9/2014	Graham
100001627	Granite Mill	9/18/2017	Haw River
82003421	Holt, Charles T., House	6/1/1982	Haw River
87001850	Scott, Kerr, Farm	10/31/1987	Haw River
01001025	Cates, Charles F. and Howard, Farm	9/24/2001	Mebane
93001194	Cook, William, House	11/22/1993	Mebane
86003451	Cooper School	12/15/1986	Mebane
84001912	Cross Roads Presbyterian Church & Cemetery and Stainback Store	5/22/1984	Mebane
10001054	Durham Hosiery Mill No. 15	12/27/2010	Mebane
83001835	Griffis-Patton House	3/17/1983	Mebane
93001195	Guy, Thomas, House	11/22/1993	Mebane
78001926	Hawfields Presbyterian Church	12/15/1978	Mebane
87000411	Henderson Scott Farm Historic District	9/16/1987	Mebane
11000952	Mebane Commercial Historic District	12/22/2011	Mebane
11000953	Old South Mebane Historic District	12/22/2011	Mebane
13000933	Old South Mebane Historic District (Boundary Increase)	12/16/2013	Mebane
82003422	White Furniture Company	7/29/1982	Mebane
91001745	Woodlawn School	11/29/1991	Mebane
98000546	Saxapahaw Spinning Mill, Former	5/20/1998	Saxapahaw
93001198	Thompson, James Monroe, House	11/22/1993	Saxapahaw
93001193	Braxton, Hiram, House	11/22/1993	Snow Camp
87000456	Friends Spring Meeting House	3/19/1987	Snow Camp
93001196	McBane, Camilus, House	11/22/1993	Snow Camp
89000497	Snow Camp Mutual Telephone Exchange Building	6/9/1989	Snow Camp
93001192	Spoon, A. L., House	11/22/1993	Snow Camp
85003083	Kerr--Patton House	12/5/1985	Thompson
94000022	McCauley--Watson House	2/4/1994	Union Ridge
<b>Durham County</b>			
11000955	Hampton--Ellis Farm	12/22/2011	Bahama
72000960	Hardscrabble	1/20/1972	Bahama
100000896	Little River High School	4/17/2017	Bahama
04001287	Poland, George, House	12/4/2004	Bahama
99001684	Tilley, Marcus, House	1/14/2000	Bahama
89001418	Umstead, Adolphus W., House	9/14/1989	Bahama
14000983	Umstead, D.C., Store and House	12/2/2014	Bahama
75001257	Leigh Farm	9/5/1975	Chapel Hill
85000118	Little Creek Site (31 DH 351)	1/11/1985	Chapel Hill
85001554	Meadowmont	7/11/1985	Chapel Hill
00001163	American Tobacco Company Manufacturing Plant	9/29/2000	Durham



### SECTION 3: PLANNING AREA PROFILE

Ref#	Property Name	Listed Date	City
79003330	Bassett House	11/29/1979	Durham
70000452	Bennett Place State Historic Site	2/26/1970	Durham
12001157	Biddle, Mary Duke, Estate	1/9/2013	Durham
90000350	Blacknall, Richard D., House	3/1/1990	Durham
99001619	Bright Leaf Historic District	12/30/1999	Durham
74001346	Bull Durham Tobacco Factory	9/10/1974	Durham
82003448	Bullington Warehouse	8/30/1982	Durham
10000631	Burch Avenue Historic District	9/3/2010	Durham
11000508	Carr, John C. and Binford, House	8/5/2011	Durham
00000394	City Garage Yard and Fire Drill Tower	5/3/2000	Durham
00000991	Clark and Sorrell Garage	8/16/2000	Durham
85002438	Cleveland Street District	9/20/1985	Durham
100003295	College Heights Historic District	1/28/2019	Durham
79003331	Cranford-Wannamaker House	11/29/1979	Durham
79003332	Crowell House	11/29/1979	Durham
79003333	Dillard-Gamble Houses	1/19/1979	Durham
77000998	Downtown Durham Historic District	11/1/1977	Durham
66000590	Duke Homestead and Tobacco Factory	11/13/1966	Durham
85001781	Duke Memorial United Methodist Church	8/11/1985	Durham
85001793	Durham Cotton Mills Village Historic District	8/9/1985	Durham
78001944	Durham Hosiery Mill	11/14/1978	Durham
13001115	Durham Hosiery Mills Dye House	1/22/2014	Durham
85003055	Durham Hosiery Mills No. 2--Service Printing Company Building	11/27/1985	Durham
04001393	East Durham Historic District	12/23/2004	Durham
85001775	Emmanuel AME Church	8/9/1985	Durham
85001778	Ephphatha Church	8/9/1985	Durham
84002724	Erwin Cotton Mills Company Mill No. 1 Headquarters Building	11/20/1984	Durham
73001337	Fairintosh Plantation	4/3/1973	Durham
05000348	Forbus, Wiley and Elizabeth, House	4/28/2005	Durham
05001476	Forest Hills Historic District	12/28/2005	Durham
13000204	Foster and West Geer Streets Historic District	4/23/2013	Durham
85001791	Golden Belt Historic District	8/9/1985	Durham
96000816	Golden Belt Historic District (Boundary Increase)	7/30/1996	Durham
82003449	Greystone	6/1/1982	Durham
78001945	Hill, John Sprunt, House	1/30/1978	Durham
13001026	Hillside Park High School	12/30/2013	Durham
85002437	Holloway Street District	9/20/1985	Durham
09000263	Holloway Street Historic District (Boundary Increase)	4/30/2009	Durham
08000814	Holloway, Kinchen, House	8/29/2008	Durham
09001105	Hope Valley Historic District	12/11/2009	Durham
78001946	Horton Grove Complex	3/17/1978	Durham
03000340	Lakewood Park Historic District	5/1/2003	Durham
08000774	Liberty Warehouse Nos. 1 and 2	8/6/2008	Durham
89000446	Mangum, Bartlett, House	5/25/1989	Durham
85001792	Morehead Hill Historic District	8/9/1985	Durham
04000567	Morehead Hill Historic District (Boundary Increase)	6/2/2004	Durham
86000676	North Carolina Central University	3/28/1986	Durham

### SECTION 3: PLANNING AREA PROFILE

Ref#	Property Name	Listed Date	City
75001258	North Carolina Mutual Life Insurance Company Building	5/15/1975	Durham
98001573	North Durham County Prison Camp (Former)	12/31/1998	Durham
85001338	North Durham-Duke Park District	6/20/1985	Durham
85001777	O'Brien, William Thomas, House	8/9/1985	Durham
100000866	Pauli Murray Family Home	12/23/2016	Durham
85001782	Pearl Mill Village Historic District	8/9/1985	Durham
79003334	Pegram House	11/29/1979	Durham
85001780	Powe House	8/9/1985	Durham
09000601	Russell School	8/5/2009	Durham
85001779	Scarborough House	8/9/1985	Durham
12000345	Scott and Roberts Dry Cleaning Plant, Office, and Store	6/20/2012	Durham
85002429	Smith Warehouse	9/16/1985	Durham
76001319	St. Joseph's African Methodist Episcopal Church	8/11/1976	Durham
73001338	Stagville	5/25/1973	Durham
10001093	Stokesdale Historic District	12/28/2010	Durham
86000672	Trinity Historic District	3/26/1986	Durham
07001372	Trinity Historic District (Boundary Increase II)	1/9/2008	Durham
04000568	Trinity Historic District (Boundary Increase)	6/4/2004	Durham
03000804	Venable Tobacco Company Prizery and Receiving Room	8/21/2003	Durham
85001847	Venable Tobacco Company Warehouse	8/9/1985	Durham
84002259	Watts and Yuille Warehouses	4/5/1984	Durham
80002824	Watts Hospital	4/2/1980	Durham
01000427	Watts--Hillandale Historic District	4/25/2001	Durham
86000680	West Durham Historic District	3/26/1986	Durham
85001776	West Point on the Eno	8/9/1985	Durham
12001088	Wright's Automatic Machinery Company	12/26/2012	Durham
<b>Orange County</b>			
98000995	Jordan, Dr. Arch, House	8/6/1998	Caldwell
76001332	Alberta Mill Complex	1/19/1976	Carrboro
85001339	Carrboro Commercial Historic District	6/20/1985	Carrboro
01000016	Hogan, Thomas and Mary, House	1/26/2001	Carrboro
86001625	Lloyd, Thomas F., Historic District	8/14/1986	Carrboro
98000389	Cedar Grove Rural Crossroads Historic District	4/23/1998	Cedar Grove
13000206	Pope, Capt. John S., Farm	4/23/2013	Cedar Grove
05000325	Beta Theta Pi Fraternity House	4/20/2005	Chapel Hill
99000867	Carolina Inn	8/6/1999	Chapel Hill
71000604	Chapel Hill Historic District	12/16/1971	Chapel Hill
15000165	Chapel Hill Historic District (Boundary Increase and Additional Documentation)	4/16/2015	Chapel Hill
90000364	Chapel Hill Town Hall	3/20/1990	Chapel Hill
72000980	Chapel of the Cross	2/1/1972	Chapel Hill
93000807	Gimghoul Neighborhood Historic District	8/5/1993	Chapel Hill
96000186	Hogan, Alexander, Plantation	3/4/1996	Chapel Hill
100001633	Nash, Arthur C. and Mary S.A., House	10/26/2017	Chapel Hill
94000570	Old Chapel Hill Cemetery	6/3/1994	Chapel Hill
66000596	Old East, University of North Carolina	10/15/1966	Chapel Hill
71000605	Playmakers Theatre	6/24/1971	Chapel Hill

### SECTION 3: PLANNING AREA PROFILE

Ref#	Property Name	Listed Date	City
89001039	Rocky Ridge Farm Historic District	8/8/1989	Chapel Hill
07001501	Rocky Ridge Farm Historic District (Boundary Increase)	1/30/2008	Chapel Hill
98001528	West Chapel Hill Historic District	12/31/1998	Chapel Hill
98001528	West Chapel Hill Historic District	5/9/2019	Chapel Hill
99001391	Faucette, David, House	11/22/1999	Efland
100002051	North Carolina Industrial Home for Colored Girls	1/25/2018	Efland
71000606	Ayr Mount	8/26/1971	Hillsborough
03000858	Bellevue Manufacturing Company	8/28/2003	Hillsborough
70000465	Burwell School	9/15/1970	Hillsborough
99000481	Cabe--Pratt--Harris House	4/22/1999	Hillsborough
72000981	Commandant's House	11/9/1972	Hillsborough
71000607	Eagle Lodge	4/16/1971	Hillsborough
11000622	Eno Cotton Mill	9/1/2011	Hillsborough
88001175	Faucett Mill and House	8/4/1988	Hillsborough
71000608	Hazel-Nash House	3/31/1971	Hillsborough
73001362	Heartsease	4/11/1973	Hillsborough
73001363	Hillsborough Historic District	10/15/1973	Hillsborough
02000436	Holden--Roberts Farm	5/2/2002	Hillsborough
94000184	Jackson, Jacob, Farm	3/17/1994	Hillsborough
01001187	Montrose	10/28/2001	Hillsborough
72000982	Moorefields	4/25/1972	Hillsborough
09000637	Murphey School	8/20/2009	Hillsborough
71000609	Nash Law Office	9/28/1971	Hillsborough
71000610	Nash-Hooper House	11/11/1971	Hillsborough
02000435	Oconeechee Speedway	5/2/2002	Hillsborough
71000611	Old Orange County Courthouse	6/24/1971	Hillsborough
88002026	Rigsbee's Rock House	10/20/1988	Hillsborough
71000612	Ruffin-Roulhac House	8/5/1971	Hillsborough
71000613	Sans Souci	8/26/1971	Hillsborough
78001968	St. Mary's Chapel	7/12/1978	Hillsborough
71000614	St. Matthew's Episcopal Church and Churchyard	6/24/1971	Hillsborough
79001740	Paisley-Rice Log House	1/31/1979	Mebane
78001969	Bingham School	1/18/1978	Oaks
<b>Person County</b>			
82003496	Holloway-Walker Dollarhite House	6/1/1982	Bethel Hill
83001902	Henry-Vernon House	2/3/1983	Bushy Fork
80002893	Burleigh	5/1/1980	Concord
74001369	Waverly Plantation	10/9/1974	Cunningham
88000698	Holloway--Jones--Day House	6/9/1988	Roxboro
06000229	House on Wagstaff Farm	4/5/2006	Roxboro
05000267	Long, James A. and Laura Thompson, House	4/6/2005	Roxboro
05001031	Merritt--Winstead House	9/15/2005	Roxboro
79001744	Person County Courthouse	5/10/1979	Roxboro
84002415	Roxboro Commercial Historic District	3/1/1984	Roxboro
09000660	Roxboro Cotton Mill	8/27/2009	Roxboro
82003497	Roxboro Male Academy and Methodist Parsonage	7/29/1982	Roxboro

Source: National Parks Service, National Register of Historic Places, January 2020



### 3.4 HOUSING

Table 3.7 provides details on housing characteristics in the Eno-Haw Region according to data from the 2018 ACS 5-Year Estimates and the 2010 Census.

**Table 3.7 – Eno Haw Region Housing Characteristics, 2018**

Housing Characteristics	Alamance County	Durham County	Orange County	Person County	North Carolina
Housing Units (2010)	66,576	120,217	55,597	18,193	4,327,528
Housing Units (2018)	69,749	133,429	57,502	18,428	4,573,066
Housing Units Percent Change (2010-2018)	4.8%	11.0%	3.4%	1.3%	5.7%
Housing Occupancy Rate	91.8%	92.5%	91.4%	85.4%	85.7%
% Owner-occupied	65.0%	53.8%	61.9%	75.2%	65.0%
Average Household Size	2.43	2.37	2.51	2.46	2.52
% of Housing Units with no Vehicles Available	5.3%	8.0%	5.0%	7.8%	5.9%
% of Housing Units that are mobile homes	12.0%	1.4%	8.3%	22.6%	13.0%
Median Home Value	\$147,800	\$209,300	\$292,500	\$117,100	\$165,900

Source: U.S. Census Bureau 2010 Decennial Census, American Community Survey 2014-2018 5-Year Estimates

As of 2018, there are 279,108 housing units in the Eno-Haw region, of which approximately 91.6 percent are occupied. Compared to the state, housing occupancy rates are greater in the Eno-Haw region, with Alamance, Durham, and Orange Counties exceeding the state average. Approximately 40.3% of housing units are renter-occupied. A high percentage of renters is an indicator of higher pre- and post-disaster vulnerability because, according to Cutter, et al. (2003), renters often do not have the financial resources of homeowners, are more transient, are less likely to have information about or access to recovery aid following a disaster and are more likely to require temporary shelter following a disaster.

Compared to the state average, housing growth has been slow in most of the region with the exception of Durham County, where total housing units have increased by 11 percent compared to 2010 counts.

The average median home value in the Eno-Haw region is \$191,675, which is approximately 15.5% higher than the state average. However, this value is skewed high by Durham and Orange Counties. Compared to the state average, median home value is 26 percent higher in Durham County and 76 percent higher in Orange County. Conversely, median home value is 11 percent lower than the state average in Alamance County and 29 percent lower in Person County.

Householders of approximately 7.3 percent of occupied housing units have no vehicle available to them; these residents may have difficulty in the event of an evacuation.

Nearly 6.9 percent of housing units in the Eno-Haw region are mobile homes, which can be more vulnerable to certain hazards, such as tornadoes and wind storms, especially if they aren't secured with tie downs.

### 3.5 INFRASTRUCTURE

#### 3.5.1 Transportation

Major highways located in the Eno-Haw region include: I-40, I-85, I-540/NC 540, US 15, US 70, US 158, US 501, NC 49, NC 54, NC 55, NC 57, NC 62, NC 86, NC 87, NC 98, NC 147, NC 157, and NC 751.

Air travel is serviced primarily by Raleigh-Durham International Airport (RDU), 12 miles southeast of Durham, which enplaned over 7.1 million passengers in 2019. RDU is partially owned by the City of

## SECTION 3: PLANNING AREA PROFILE

---

Durham and Durham County. Non-stop daily service is provided to 61 destinations in the United States and international service is available to 10 destinations.

Amtrak operates a daily train between Charlotte and New York City (the Carolinian) which stops at the Durham Transit Station in downtown Durham and the Depot in the City of Burlington. The State of North Carolina, in cooperation with Amtrak, operates two additional daily trains between Raleigh and Charlotte which also stop in Durham and Burlington. Amtrak currently does not stop in Orange County, but all local county jurisdictions, in early 2008, indicated their support for a train station to be located in Hillsborough and the Town of Hillsborough requested North Carolina Department of Transportation Rail Division, North Carolina Railroad, and the National Railroad Passenger Corporation (Amtrak) to consider adding a stop in Hillsborough.

National bus service is provided by Greyhound and Megabus at several stops in Alamance County and the Durham Transit Station in downtown Durham.

### Alamance County

In addition to RDU, air travel for Alamance County is provided by Piedmont Triad International Airport (PTI), located in Guilford County 34 miles west of Burlington. PTI offers non-stop daily service to 14 destinations.

City of Burlington is working to provide a municipal bus service for the citizens of Burlington with designated stops in portions of the county. GoTriangle and Piedmont Area Regional Transportation began operating a weekday bus service in the Town of Mebane on Monday, with a stop at the park-and-ride lot at Alamance Regional Medical Center's MedCenter Mebane location, 3940 Arrowhead Blvd., and at City Hall, 106 E. Washington Street. The City of Graham is also served by GoTriangle and Piedmont Area Regional Transportation which also operates weekday service to citizens of Graham with transportation to Chapel Hill and Greensboro areas.

As of 2018, an estimated 85.5 percent of commuters drove alone to work, while 9.1 percent carpooled and only 0.2 percent used public transportation.

### Durham County

Most travel in Durham County is by private vehicle. Important arteries for traffic include NC 147, which connects Duke University, downtown, and Research Triangle Park (RTP), U.S. 15-501 between Durham and Chapel Hill, I-85, connecting Durham to Virginia and western North Carolina cities, and I-40 running across southern Durham County between RTP and Chapel Hill. The I-40 corridor has been the main site of commercial and residential development in Durham since its opening in the early 1990s. In 2018, an estimated 77 percent of commuters drove alone to work, 10.1 carpooled, and 3.4 percent used public transportation.

The City of Durham maintains an extensive network of bicycle routes and trails and has been recognized with a Bicycle Friendly Community Award. The American Tobacco Trail begins in downtown and continues south through RTP and ends in Wake County.

GoTriangle offers scheduled, fixed-route regional and commuter bus service between Raleigh and the region's other principal cities of Durham, Cary, and Chapel Hill, as well as to and from RDU, RTP, and several of the region's larger suburban communities. Go Triangle also coordinates an extensive vanpool and rideshare program that serves the region's larger employers and commuter destinations. GoDurham provides municipal bus service. Duke University also maintains its own transit system, Duke Transit, which operates more than 30 buses with routes throughout the campus and health system.

## SECTION 3: PLANNING AREA PROFILE

---

### Orange County

As of 2018, an estimated 67.4 percent of commuters drove alone to work, 7.1 percent carpooled, another 7.1 percent used public transportation, and 6.1 percent walked.

GoTriangle provides regional bus service linking the Town of Chapel Hill to Research Triangle Park, Raleigh-Durham International Airport, Duke University, NC State University, and other key regional locations. GoTriangle also contracts with Orange Public Transportation (OPT) to provide service between the Towns of Hillsborough and Chapel Hill. In addition, GoTriangle has a vanpool program for commuters that have a greater than 20-mile round-trip.

### Person County

As of 2018, an estimated 85.6 percent of commuters drove alone to work, while 10.6 percent carpooled and only 0.2 percent used public transportation.

Rail transportation is provided by Norfolk and Western. Motor freight coming into and going out of Person-Roxboro has decreased significantly. Motor freight coming into and going out of Person-Roxboro is handled by a number of carriers including Motor Freight Carriers, Walker Transfer Co., Spector, Freight, Branch, Pilot, Estes, Carolina Freight Carriers and UPS. Air transportation is provided locally at the Person-Roxboro Executive Airport located just west off US 501 south of the City of Roxboro.

### 3.5.2 Utilities

Electric power for the region is provided by Duke Power. In unincorporated Alamance, Orange, and Person Counties, Piedmont Electric Membership Corporation is the electric provider. Natural gas is provided by Dominion Energy (formerly Public Service of North Carolina) for all areas and by Piedmont Natural Gas for Alamance County.

In Alamance County, municipal water service is provided by the Cities of Burlington, Elon, and Graham, the Town of Haw River, the Graham Water System, Mebane Water System, and the Orange-Alamance Water System. The City of Durham provides water, sewer, and stormwater service to City residents. In Orange County, water and sewer services are provided by the Town of Hillsborough and Orange Water and Sewer Authority. In Person County, the City of Roxboro provides water and sewer service.

## 3.6 CURRENT AND FUTURE LAND USE

### Alamance County

The Alamance County Planning Department oversees a number of community activities and the enforcement of many County regulations including: Subdivision Administration, Historic Properties, Comprehensive Planning, Water and Sewer Projects, Community Development, E-911 Addressing, Watershed Protection, and all matters relating to land development in rural Alamance County. The Alamance County Land Development Plan was adopted in August 2007 and spans a 20-year planning period of 2006-2026. The plan is available at: <https://www.alamance-nc.com/planning/wp-content/uploads/sites/21/2013/10/Land-Development-Plan.pdf>

### Durham County

Durham City-County Planning Department is responsible for planning activities throughout the City and County. Durham has a Comprehensive Plan adopted in 2008 but has begun the process of developing a new comprehensive plan that is expected to be adopted in 2022.

The existing plan still guides where and how private development should occur. It guides how the City and County should provide public facilities and services to support future growth. The Plan is long range

### Eno-Haw

Regional Hazard Mitigation Plan  
2020



### SECTION 3: PLANNING AREA PROFILE

---

in scope, focusing on the ultimate needs of the community rather than the pressing concerns of today. The Land Use Element and Future Land Use Map is available along with the complete Comprehensive Plan and maps on the City's website at: <https://durhamnc.gov/346/Comprehensive-Plan>

Durham's Future Land Use Map is shown in Figure 3.7 on the following page. The Future Land Use Map accounts for mitigation to some degree in the delineation of its Recreation and Open Space land use category, which includes special flood hazard areas, public land around reservoirs, and other conservation land and sensitive areas. In addition to the land use categories, Durham identifies Development Tiers to define the character and intensity of development planned throughout the city and county.

#### Orange County

The Orange County Comprehensive Plan is an official public document that provides the framework for long range decision making in the community. The Plan serves to guide the County's growth and development through the year 2030 by addressing the multitude of issues facing the county. The Comprehensive Plan includes components related to hazard mitigation including land use, environmental protection, and public safety. In addition, the adopted Plan serves as the statutory basis for many of Orange County's land use regulations, as well as the application of zoning districts. The Orange County Comprehensive Plan can be found at: <http://www.orangecountync.gov/1242/2030-Comprehensive-Plan>

Orange County's Future Land Use Map is shown in Figure 3.8 on the following page. Orange County identifies 10-year and 20-year transition areas for growth, but also has a significant area in the southeastern quadrant of the county around the Towns of Chapel Hill and Carrboro designated as rural buffer area.

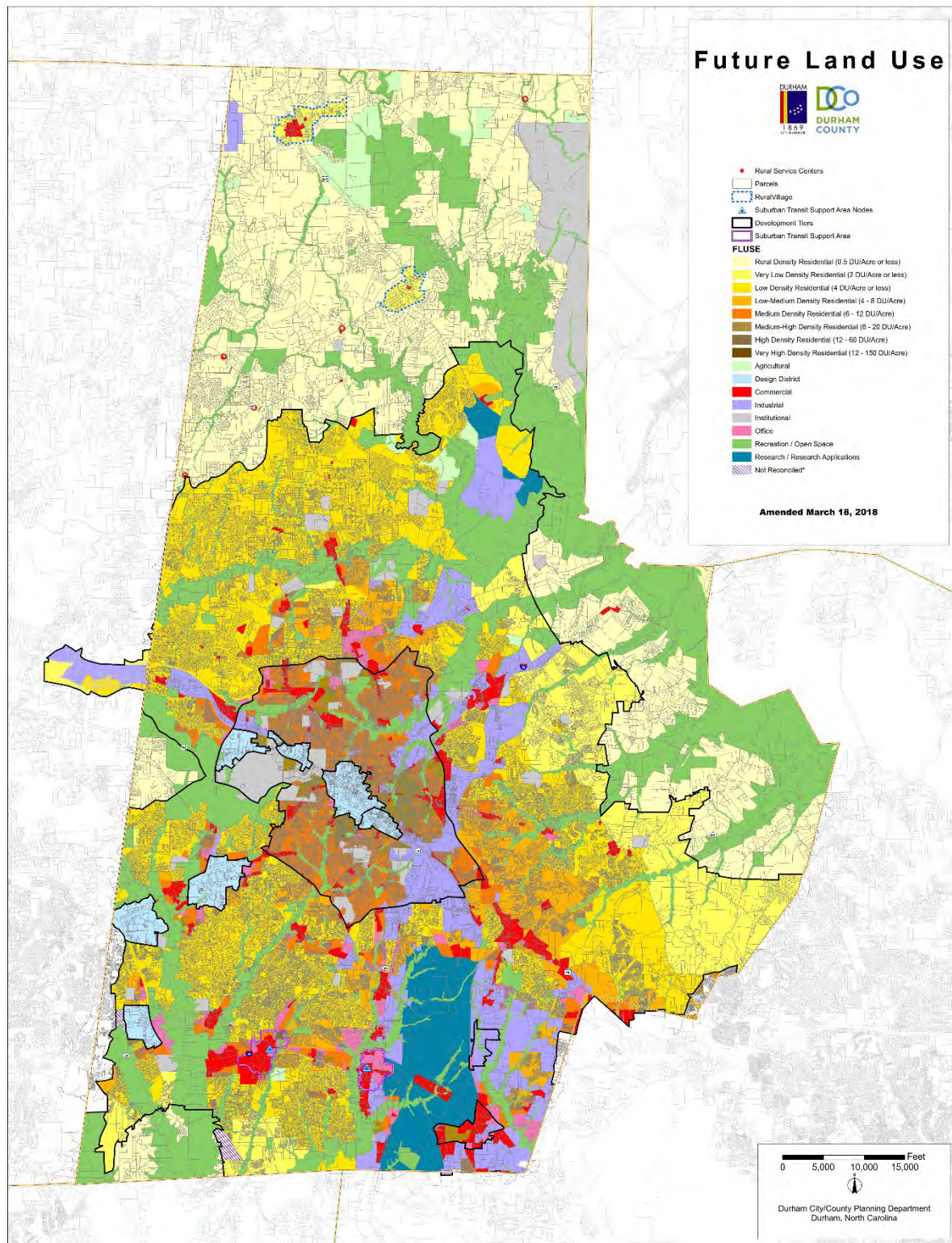
The Orange County Unified Development Ordinance provides regulations to encourage compatible development within the county in a manner which will promote the health, safety, and general welfare of Orange County and its residents. Regulations contained in the Unified Development Ordinance strive to prevent and mitigate negative impacts from natural hazards throughout the county. The Orange County Unified Development Ordinance can be found at: <https://www.orangecountync.gov/973/Code-of-Ordinances>

#### Person County

Land uses within the City vary from an urban core of Office/Institutional, Public Facilities and Commercial along Main Street, to Residential development scattered throughout the planning jurisdiction. Other land uses include Industrial along Durham Rd. and Manufactured Home Parks and Multi-Family Dwellings scattered throughout the planning jurisdiction.

Land uses within Person County range from primarily rural-agrarian to lakeside residential and urban/suburban development in and around the City of Roxboro.

Figure 3.7 – Durham City-County Future Land Use Map



Source: Durham Comprehensive Plan, 2005

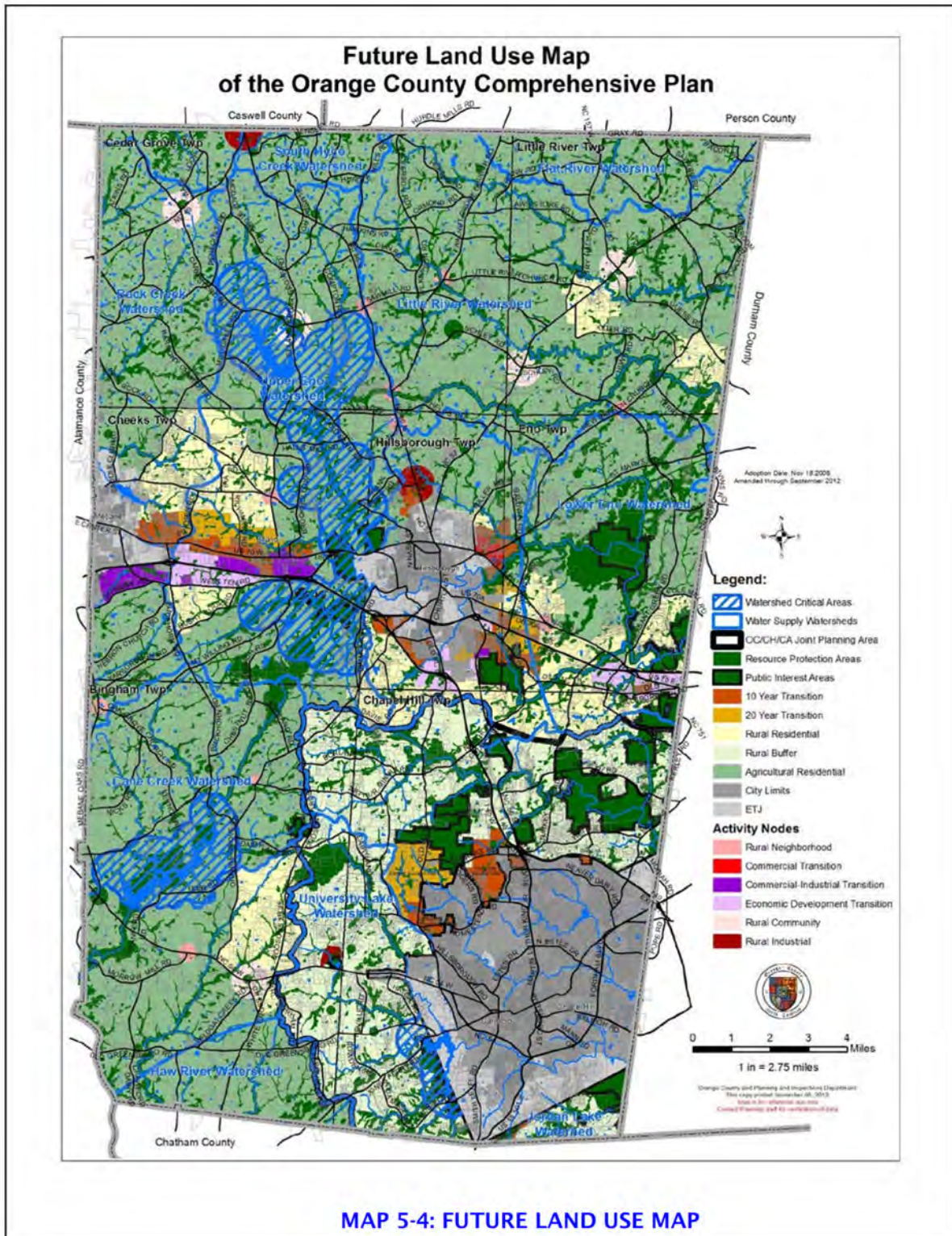
Eno-Haw

Regional Hazard Mitigation Plan  
2020



## SECTION 3: PLANNING AREA PROFILE

Figure 3.8 – Orange County Future Land Use Map



Source: Orange County Comprehensive Plan 2030

Eno-Haw

Regional Hazard Mitigation Plan  
2020



### 3.7 EMPLOYMENT AND INDUSTRY

Per the 2018 ACS 5-Year Estimates, the average median household income for the Eno-Haw region was \$55,237, which exceeds the state's median household income (\$52,413). However, by county median household income is lower than the state average in Alamance and Person Counties and higher in Durham and Orange Counties. Per capita income statistics mirror this pattern. Compared to the state, a greater proportion of the population is living below the poverty level in Alamance, Durham, and Person Counties and more of the population lacks health insurance coverage in Alamance and Durham Counties.

Table 3.8 shows economic statistics and Table 3.9 shows employment statistics for all counties in the region. Economic statistics by participating jurisdiction can be found in each jurisdiction's annex.

**Table 3.8 – Eno-Haw Region Economic Statistics, 2018**

Economic Characteristics	Alamance County	Durham County	Orange County	Person County	North Carolina
Median Household Income	\$45,735	\$58,190	\$68,211	\$48,811	\$52,413
Per Capita Income	\$26,215	\$34,063	\$40,650	\$25,922	\$29,456
Unemployment Rate	5.7%	5.2%	4.4%	8.6%	6.3%
% of Individuals Below Poverty Level	16.8	16.0	13.4	17.7	15.4
% Without Health Insurance	11.9	12.2	7.2	9.2	11.1

Source: U.S. Census Bureau, 2014-2018 American Community Survey 5-Year Estimates

**Table 3.9 – Eno-Haw Region Employment by Industry, 2018**

Industry	Alamance County	Durham County	Orange County	Person County
Agriculture, forestry, fishing and hunting, and mining	0.9%	0.4%	0.7%	1.3%
Construction	7.1%	5.9%	5.0%	8.8%
Manufacturing	16.1%	7.3%	6.0%	15.4%
Wholesale trade	2.7%	1.8%	1.5%	0.6%
Retail trade	12.6%	8.1%	8.7%	10.3%
Transportation and warehousing, and utilities	3.4%	2.8%	2.0%	6.1%
Information	1.1%	2.0%	1.6%	1.8%
Finance and insurance, and real estate and rental and leasing	4.7%	5.7%	5.4%	2.5%
Professional, scientific, and management, and administrative and waste management services	8.6%	14.2%	12.9%	8.0%
Educational services, and health care and social assistance	25.5%	33.6%	39.1%	28.8%
Arts, entertainment, and recreation, and accommodation and food services	9.6%	9.6%	9.6%	7.3%
Other services, except public administration	4.2%	4.9%	4.1%	4.4%
Public administration	3.5%	3.7%	3.3%	4.5%

Source: U.S. Census Bureau, 2014-2018 American Community Survey 5-Year Estimates

Across the region, the largest industry sector in 2018 was “educational services, and health care and social assistance,” comprising between 25.5 and 39.1 percent of employment across the participating counties. In Alamance and Person Counties, the next largest industry by employment was “manufacturing.” In Alamance County, this prominence is due in part to the continued presence of textile manufacturing; however, both counties have a variety of manufacturing. In Durham and Orange Counties, the next largest industry by employment was “professional, scientific, and management, and administrative and waste management services.” Durham County contains the majority of Research Triangle Park, a major

## SECTION 3: PLANNING AREA PROFILE

employment hub for the region, which partially explains the presence of more large employers in Durham County.

Table 3.10 summarizes the major employers in each county in the Eno-Haw region from AccessNC as of the 2019 3<sup>rd</sup> quarter.

**Table 3.10 – Major Employers, Eno-Haw Region**

Company	Industry	Employment range
Alamance County		
Alamance-Burlington School System	Educational Services	1000+
Labcorp	Health Care and Social Assistance	1000+
Alamance Regional Medical Center	Health Care and Social Assistance	1000+
Elon University	Educational Services	1000+
Wal-Mart Associates Inc.	Retail Trade	1000+
Alamance County Government	Public Administration	1000+
City of Burlington	Public Administration	500-999
Gkn Driveline, Inc.	Manufacturing	500-999
Honda Power Equipment Mfg Inc	Manufacturing	500-999
Alamance Community College	Educational Services	500-999
Food Lion	Retail Trade	500-999
Industrial Connections & Solutions	Manufacturing	500-999
Glen Raven Inc	Manufacturing	250-499
People Inc	Administrative and Support and Waste Management and Remediation Services	250-499
Twin Lakes Community	Health Care and Social Assistance	250-499
Aramark Food and Support Services G	Accommodation and Food Services	250-499
Kernodle Clinic Inc	Health Care and Social Assistance	250-499
Triangle Paving Inc	Construction	250-499
McDonalds	Accommodation and Food Services	250-499
Jabil Circuit Inc	Manufacturing	250-499
Carolina Hosiery Mills Inc	Manufacturing	250-499
Lowes Home Centers Inc	Retail Trade	250-499
Carolina Biological Supply Company	Wholesale Trade	250-499
Kayser-Roth Corporation	Manufacturing	250-499
Alamance Foods Inc	Wholesale Trade	250-499
Durham County		
Duke University	Health Care and Social Assistance	1000+
511 Cleveland St	Educational Services	1000+
IBM Corporation	Manufacturing	1000+
Fidelity Workplace Investing LLC	Finance and Insurance	1000+
Veterans Administration VA Ro318	Health Care and Social Assistance	1000+
Blue Cross Blue Shield of NC	Finance and Insurance	1000+
City of Durham	Public Administration	1000+
Cree Inc	Manufacturing	1000+
RTI International	Professional, Scientific, and Technical Services	1000+
IQVIA Rds Inc	Professional, Scientific, and Technical Services	1000+
Durham County Government	Public Administration	1000+
Glaxosmithkline	Manufacturing	1000+
Nc Central University 18341	Educational Services	1000+
Amazon Fulfillment Services Inc	Transportation and Warehousing	1000+
A W North Carolina Inc	Manufacturing	1000+

### SECTION 3: PLANNING AREA PROFILE

Company	Industry	Employment range
Biogen Idec Us Limited Partnership	Manufacturing	1000+
Network Appliance Inc	Wholesale Trade	1000+
Environmental Protection Agency	Public Administration	1000+
Credit Suisse USA Inc	Finance and Insurance	1000+
Harris Teeter	Retail Trade	1000+
Credit Suisse Services USA LLC	Finance and Insurance	1000+
Labcorp	Health Care and Social Assistance	500-999
Intervet Inc.	Manufacturing	500-999
BASF Corporation	Professional, Scientific, and Technical Services	500-999
Staff- 1 Services Group Inc	Administrative and Support and Waste Management and Remediation Services	500-999
Orange County		
UNC Chapel Hill	Educational Services	1000+
UNC Health Care System	Health Care and Social Assistance	1000+
Chapel Hill-Carrboro City Schools	Educational Services	1000+
UNC Physicians Network LLC	Health Care and Social Assistance	1000+
Orange County Schools	Educational Services	1000+
Local Government	Public Administration	1000+
Eurosport	Retail Trade	500-999
Town of Chapel Hill Inc	Public Administration	500-999
Wal-Mart Associates Inc.	Retail Trade	250-499
Aramark Food and Support Services G	Accommodation and Food Services	250-499
Harris Teeter	Retail Trade	250-499
A K G of America Inc	Manufacturing	250-499
Summit Design & Engineering Service	Professional, Scientific, and Technical Services	250-499
Hyatt Corporation	Accommodation and Food Services	250-499
Food Lion	Retail Trade	250-499
The Chapel Hill Residential	Health Care and Social Assistance	250-499
P H E Inc	Retail Trade	250-499
Performance BMW	Retail Trade	250-499
Weaver Street Market	Retail Trade	250-499
Residential Services Inc	Health Care and Social Assistance	100-249
Westrock Services Inc	Manufacturing	100-249
Wellspring Grocery	Retail Trade	100-249
U S Postal Service	Transportation and Warehousing	100-249
Town of Carrboro	Public Administration	100-249
Barnes & Noble College Booksellers	Retail Trade	100-249
Person County		
Person County Schools	Educational Services	500-999
Gkn Driveline, Inc.	Manufacturing	500-999
County of Person	Public Administration	250-499
Progress Energy Service Co	Utilities	250-499
Dlp Person Memorial Hospital	Health Care and Social Assistance	250-499
Wal-Mart Associates Inc.	Retail Trade	100-249
Eaton Corporation	Manufacturing	100-249
Piedmont Community College	Educational Services	100-249
Spuntech Industries Inc	Manufacturing	100-249
Food Lion	Retail Trade	100-249
Louisiana-Pacific Corporation	Manufacturing	100-249

### SECTION 3: PLANNING AREA PROFILE

---

Company	Industry	Employment range
City of Roxboro	Public Administration	100-249
Ameristaff Inc	Administrative and Support and Waste Management and Remediation Services	100-249
Roxboro Nursing Center Inc	Health Care and Social Assistance	100-249
Accu Reference Medical Lab LLC	Health Care and Social Assistance	100-249
Lowes Home Centers Inc	Retail Trade	100-249
Us Flue Cured Tobacco Growers Inc	Manufacturing	50-99
Napa	Retail Trade	50-99
The Wood Company (A Corp)	Accommodation and Food Services	50-99
Person County Group Homes Inc	Health Care and Social Assistance	50-99
Piedmont Maintenance & Services Inc	Construction	50-99
Roxboro Community School Inc	Educational Services	50-99
United Home Care Inc	Health Care and Social Assistance	50-99
Centeredge Software	Professional, Scientific, and Technical Services	50-99
Dialight Corp	Manufacturing	50-99

Source: ACCESSNC Employer Profile