

Section 5: Vulnerabilities Assessment

5.1 Introduction

This section of the Hazard Mitigation Plan will assist with gauging the present level of vulnerability throughout the Albemarle Region. Vulnerability is defined as the extent to which people experience harm and property damage from a hazard. This section provides an overview of unincorporated and incorporated portions of each participating County by discussing the physical layout, existing development, and hazardous locations.

As a component of this Regional planning effort, the vulnerability analysis was updated to reflect the 2014 development characteristics of each County. Due to the inconsistency of available data resources, the data presented for each County varies. However, the presentation of the information is consistent in an effort to allow efficient updating of the plan.

The development of Section 5 also involved the review and update of the critical facilities inventory initially established through each respective jurisdiction's 2010/2011 planning process. This section of the plan outlines the methodology utilized to prepare the vulnerability analysis and information relative to all participating jurisdictions.

This section of the plan also identifies specific locations and facilities vulnerable to natural hazards with narrative, data, and maps. This section will identify the existing threat posed by each hazard outlined within Section 4 of the plan. Many of the hazards listed pose a direct threat to a defined geographic area, while others are considered to impact each County, and the Region, as a whole. Maps have been provided to further clarify the impact area of a respective hazard type. See Appendix A for maps of each participating jurisdiction.

5.2 DEVELOPMENT VULNERABILITY

This section defines vulnerability for each jurisdiction participating in the regional plan. The information presented throughout this section reflects the data that is currently available for use in this plan. As noted, the quality of this data will vary by jurisdiction. Due to the regional nature of this plan, some of the county Hazard Vulnerability Analyses may vary substantially from the jurisdiction's previous plan. One of the primary reasons that the data has been compiled in this manner is that each County maintains the data necessary to report existing development vulnerability in a manner achievable for all participating jurisdictions. If in some cases, data to establish potential or future vulnerability is not available; local units of government can establish a strategy in the plan aiming to establish this baseline data prior to the next update cycle. Due to the regional scope of this plan, data has been presented at the County and municipal level. The resulting methodology will provide for consistency during future updates.

Vulnerability to Non-Specific Hazards

Several of the hazards outlined within Section 4 result in impacts that are not geographically targeted at a specific area or portion of the Counties. The following hazards typically impact the entire Albemarle Region with certain events having significant impacts on specific portions of each participating jurisdiction: Nor'easters, Tornadoes, Winter Storms, Severe Thunderstorms, Wildfire, Erosion, Drought/Heat Waves, Dam/Levee Failure and Rip Currents. Hurricanes/tropical storms are also consider

to potentially impact large portions of the Region, but these hazards potentially may have serious impacts on fairly specific portions of each County.

The following provides an overview of development vulnerability with respect to non-specific hazards throughout the Albemarle Region:

Camden County Existing Vulnerability

Location	Developed			Undeveloped		
	# of Parcels	Acreage	Total Value	# of Parcels	Acreage	Total Value
Camden County	4,052	43,891	\$1,002,711,391	3,239	142,884	\$409,696,160

Camden County Future Vulnerability

Currently, Camden County does not have the future land use information required to perform a detailed analysis of potential future conditions in relation to the non-specific hazard area. The County will continue to work on improving its GIS capabilities and aim to incorporate this element into future updates of this plan.

Chowan County Existing Vulnerability

Location	Developed			Undeveloped		
	# of Parcels	Acreage	Total Value	# of Parcels	Acreage	Total Value
Chowan County (Unincorporated)	7,184	5,418	\$1,289,076,415	5,229	68,311	\$189,513,929
Edenton	2,515	4,739	610336107	746	5,897	39971906

Chowan County Future Vulnerability

Currently, Chowan County does not have the future land use information required to perform a detailed analysis of potential future conditions in relation to the non-specific hazard area. The County will continue to work on improving its GIS capabilities and aim to incorporate this element into future updates of this plan.

Currituck County Existing Vulnerability

Location	Developed			Undeveloped		
	# of Parcels	Acreage	Total Value	# of Parcels	Acreage	Total Value
Currituck County	16,133	46,012	\$5,409,635,700	8,734	117,203	\$1,275,911,900

Currituck County Future Vulnerability

The Currituck County Land Use plan was adopted in 2006 and amended in 2008 and 2009. This plan established Future Land Use classifications for the properties located throughout the county. The Future Land Use GIS data provided by Currituck County was used for this analysis.

Undeveloped Land			
Future Land Use Category	Acreage	Land Value	% of Total County
Conservation	48,476	\$338,186,500.00	41.36%
Full Service	11,729	\$465,050,300.00	10.01%
Limited Service	18,339	\$328,786,300.00	15.65%
Rural	38,659	\$143,202,600.00	32.98%
Total	117,203	\$1,275,225,700.00	

Dare County Existing Vulnerability

Location	Developed			Undeveloped		
	# of Parcels	Acreage	Total Value	# of Parcels	Acreage	Total Value
Dare County (Unincorporated)	10,968	28,175	\$4,134,129,900	5,917	191,658	\$972,636,700
Duck	2,226	1,063	\$1,413,368,100	455	232	\$76,731,100
Kill Devil Hills	5,775	1,974	\$1,752,751,900	1,177	1,140	\$162,041,100
Kitty Hawk	2,502	1,792	\$920,425,300	991	2,865	\$91,706,900
Manteo	746	440	\$414,007,600	284	611	\$32,398,300
Nags Head	4,484	2,636	\$2,098,215,800	1,013	6,082	\$266,585,500
Southern Shores	2,411	1,671	\$1,178,210,700	619	544	\$122,646,700

Dare County Future Vulnerability

Currently, Dare County does not have the future land use information required to perform a detailed analysis of potential future conditions in relation to the non-specific hazard area. The County will continue to work on improving its GIS capabilities and aim to incorporate this element into future updates of this plan.

Gates County Existing Vulnerability

Location	Developed			Undeveloped		
	# of Parcels	Acreage	Total Value	# of Parcels	Acreage	Total Value
Gates County (Unincorporated)	4,737	39,108	\$711,724,803	4,532	64,911	\$153,145,882
Gatesville	200	384	\$42,733,746	60	382	\$1,807,760

Gates County Future Vulnerability

Currently, Gates County does not have the future land use information required to perform a detailed analysis of potential future conditions in relation to the non-specific hazard area. The County will continue to work on improving its GIS capabilities and aim to incorporate this element into future updates of this plan.

Hertford County Existing Vulnerability

Location	Developed			Undeveloped		
	# of Parcels	Acreage	Total Value	# of Parcels	Acreage	Total Value
Hertford County (Unincorporated)	5,256	72,738	\$700,359,329	4,346	16,321	\$210,982,915
Ahoskie	2,320	2,706	\$363,304,713	895	46,994	\$20,237,315
Como	50	1,029	\$5,687,073	21	1,706	\$2,075,432
Colfield	192	1,099	\$24,643,196	164	2,068	\$3,540,610
Harrellsville	80	987	\$7,129,567	28	14	\$245,978
Murfreesboro	1,603	2,585	\$220,652,714	576	4,626	\$13,878,616
Winton	362	387	\$37,623,088	127	342	\$1,607,014

Hertford County Future Vulnerability

Currently, Hertford County does not have the future land use information required to perform a detailed analysis of potential future conditions in relation to the non-specific hazard area. The County will continue to work on improving its GIS capabilities and aim to incorporate this element into future updates of this plan.

Pasquotank County Existing Vulnerability

Location	Developed			Undeveloped		
	# of Parcels	Acreage	Total Value	# of Parcels	Acreage	Total Value
Pasquotank County (Unincorporated)	7,762	35,678	\$1,424,562,300	4,184	94,151	\$358,192,000
Elizabeth City	7,581	5,778	\$1,437,519,908	2,252	5,046	\$128,304,900

Pasquotank County Future Vulnerability

Currently, Pasquotank County does not have the future land use information required to perform a detailed analysis of potential future conditions in relation to the non-specific hazard area. The County will continue to work on improving its GIS capabilities and aim to incorporate this element into future updates of this plan.

Perquimans County Existing Vulnerability

Location	Developed			Undeveloped		
	# of Parcels	Acreage	Total Value	# of Parcels	Acreage	Total Value
Perquimans County (Unincorporated)	4,299	14,853	859,781,301	8,277	87,939	374,983,900
Hertford	900	1,165	\$165,838,500	433	2,541	\$18,814,802
Winton	299	481	\$63,773,200	262	2,001	\$9,376,500

Perquimans County Future Vulnerability

Currently, Perquimans County does not have the future land use information required to perform a detailed analysis of potential future conditions in relation to the non-specific hazard area. The County will continue to work on improving its GIS capabilities and aim to incorporate this element into future updates of this plan.

5.3 VULNERABILITY TO FLOODING

Flooding primarily impacts the Albemarle Region during Hurricanes and tropical storm, Nor'easters, thunderstorm events and heavy rains. The following section provides an analysis of vulnerability for properties within the Region's 100 year floodplain and provides an overview of the impacts associated with: riverine flooding, hurricanes/tropical storms, and storm surge.

Flood Insurance Rate Maps (FIRMS)

Maps provided in Appendix A graphically depict the extent of the high risk flooding areas within each participating jurisdiction as defined by the Flood Insurance Rate Maps (FIRMS) developed by the Federal Emergency Management Agency (FEMA). FEMA defines areas within "flood zones," based on varying levels of risk of flooding in each area. Properties in Zones "A", "AE", and "VE" are considered to be high-risk flood zones, as there is a 1% or greater chance of flooding each year. Additionally, the "VE" zone is extremely hazardous due to the influence of wave action in these areas. A complete description of the FEMA Flood zones is located in Section 4. The following information shows the acreage within each County located within a flood hazard area. Table 5.1 provides the acreage within each county located with these flood hazard areas.

Table 5.1 – Albemarle Region Flood Hazard Areas

	Zone A	Zone AE	Zone VE
Camden County	32,143	79,703	
Chowan County	164	47,760	
Currituck County	4,294	123,596	70,541
Dare County	25	268,233	126,630
Gates County	22,830	48,575	
Hertford County		45,996	
Pasquotank County	7,346	49,570	
Perquimans County	4,743	39,717	

Flood Zones Calculated in Acres

Camden County Existing Floodplain Vulnerability

The following provides an overview of existing conditions for portions of Camden County located within a defined flood hazard area. (Zones A and AE)

Location	Developed				Undeveloped		
	# of Parcels	Acreage	Building Value	Total Value	# of Parcels	Acreage	Total Value
Camden County	2,025	28,038	316,894,026	518,786,089	2,264	106,599	257,642,681

Camden County Future Floodplain Vulnerability

Currently, Pasquotank County does not have the future land use information required to perform a detailed analysis of potential future conditions in relation to the flood hazard area. The County will continue to work on improving its GIS capabilities and aim to incorporate this element into future updates of this plan.

Chowan County Existing Floodplain Vulnerability

The following provides an overview of existing conditions for portions of Chowan County located within a defined flood hazard area. (Zones A and AE)

Location	Developed				Undeveloped		
	# of Parcels	Acreage	Building Value	Total Value	# of Parcels	Acreage	Total Value
Chowan County	5,418	15,232	625,248,087	737,987,039	12,043	33,230	85,828,170
Edenton	527	3,676	168,751,202	221,454,506	155	3,551	14,118,202

Camden County Future Floodplain Vulnerability

Currently, Camden County does not have the future land use information required to perform a detailed analysis of potential future conditions in relation to the flood hazard area. The County will continue to work on improving its GIS capabilities and aim to incorporate this element into future updates of this plan.

Currituck County Existing Floodplain Vulnerability

The following provides an overview of existing conditions for portions of Currituck County located within a defined flood hazard area. (Zones A, AE and VE)

Location	Developed				Undeveloped		
	# of Parcels	Acreage	Building Value	Total Value	# of Parcels	Acreage	Total Value
Currituck County	8,601	32,781	1,746,476,500	3,553,310,100	4,635	71,639	643,656,300

Currituck County Future Vulnerability

The following provides an overview of potential future vulnerabilities for undeveloped portions of Currituck County located within a defined flood hazard area. (Zones A, AE and VE)

Undeveloped Land			
Future Land Use Category	Acreage	Land Value	% of Total County
Conservation	42,183	\$232,978,200.00	58.90%
Full Service	3,612	\$155,847,200.00	5.04%
Limited Service	10,602	\$207,833,400.00	14.80%
Rural	15,220	\$46,997,500.00	21.25%
Total	71,617	\$643,656,300.00	

Dare County Existing Floodplain Vulnerability

The following provides an overview of existing conditions for portions of Dare County located within a defined flood hazard area. (Zones A, AE and VE)

Location	Developed				Undeveloped		
	# of Parcels	Acreage	Building Value	Total Value	# of Parcels	Acreage	Total Value
Dare County	9,799	27,412	1,849,483,000	3,873,104,100	5,344	191,060	937,944,100
Duck	1,216	733	372,637,600	932,482,700	271	166	51,863,200
Kill Devil Hills	4,309	1,646	734,155,700	1,462,959,600	805	963	131,322,600
Kitty Hawk	1,785	1,469	336,956,800	654,080,600	746	2,836	67,823,100
Manteo	746	440	250,295,600	414,007,600	283	611	32,326,100
Nags Head	3,620	2,361	838,142,400	1,831,212,400	821	5,992	249,968,100
Southern Shores	1,428	1,156	375,004,800	813,983,000	373	377	87,662,300

Dare County Future Vulnerability

Currently, Dare County does not have the future land use information required to perform a detailed analysis of potential future conditions in relation to the flood hazard area. The County will continue to work on improving its GIS capabilities and aim to incorporate this element into future updates of this plan.

Gates County Existing Floodplain Vulnerability

The following provides an overview of existing conditions for portions of Gates County located within a defined flood hazard area. (Zones A and AE)

Location	Developed				Undeveloped		
	# of Parcels	Acreage	Building Value	Total Value	# of Parcels	Acreage	Total Value
Gates County	574	17,798	64,628,331	138,436,735	615	71,724	101,806,893
Gatesville	28	218	6,299,693	9,072,764	12	286	993,980

Gates County Future Floodplain Vulnerability

Currently, Gates County does not have the future land use information required to perform a detailed analysis of potential future conditions in relation to the flood hazard area. The County will continue to work on improving its GIS capabilities and aim to incorporate this element into future updates of this plan.

Hertford County Existing Floodplain Vulnerability

The following provides an overview of existing conditions for portions of Hertford County located within a defined flood hazard area. (Zones A and AE)

Location	Developed				Undeveloped		
	# of Parcels	Acreage	Building Value	Total Value	# of Parcels	Acreage	Total Value
Hertford County	639	6,899	153,872,703	231,715,510	977	91,180	90,228,462
Ahoskie	70	1,003	15,427,715	19,811,085	109	2,714	6,294,165
Como	-	-	-	-	-	-	-
Colfield	3	307	42,739	282,303	5	301	205,065
Harrellsville	-	-	-	-	-	-	-
Murfreesboro	36	664	15,653,327	19,176,544	54	1,920	3,572,295
Winton	16	77	6,087,115	7,823,964	3	4	36,907

Hertford County Future Floodplain Vulnerability

Currently, Hertford County does not have the future land use information required to perform a detailed analysis of potential future conditions in relation to the flood hazard area. The County will continue to work on improving its GIS capabilities and aim to incorporate this element into future updates of this plan.

Pasquotank County Existing Floodplain Vulnerability

The following provides an overview of existing conditions for portions of Pasquotank County located within a defined flood hazard area. (Zones A and AE)

Location	Developed				Undeveloped		
	# of Parcels	Acreage	Building Value	Total Value	# of Parcels	Acreage	Total Value
Pasquotank County	4,963	18,201	564,648,803	838,802,706	2,558	43,758	162,227,100
Elizabeth City	3,928	2,946	524,496,804	768,175,708	1,161	3,049	62,887,300

Pasquotank County Future Floodplain Vulnerability

Currently, Pasquotank County does not have the future land use information required to perform a detailed analysis of potential future conditions in relation to the flood hazard area. The County will continue to work on improving its GIS capabilities and aim to incorporate this element into future updates of this plan.

Perquimans County Existing Floodplain Vulnerability

The following provides an overview of existing conditions for portions of Perquimans County located within a defined flood hazard area. (Zones A and AE)

Location	Developed				Undeveloped		
	# of Parcels	Acreage	Building Value	Total Value	# of Parcels	Acreage	Total Value
Perquimans County	1,087	6,754	131,203,880	233,080,400	1,863	30,724	106,739,100
Hertford	24	209	5,148,600	7,554,800	82	744	6,708,300
Winfall	14	163	3,164,500	8,976,900	29	443	1,742,500

Perquimans County Future Floodplain Vulnerability

Currently, Perquimans County does not have the future land use information required to perform a detailed analysis of potential future conditions in relation to the flood hazard area. The County will continue to work on improving its GIS capabilities and aim to incorporate this element into future updates of this plan.

5.4 VULNERABILITY TO STORM SURGE

Maps included in Appendix A graphically depict the Sea, Lake and Overland Surge from Hurricanes (SLOSH) model runs for both slow moving and fast moving Hurricanes. SLOSH is a computerized model run by the National Weather Service to estimate storm surge heights resulting from hypothetical hurricanes by taking into account the maximum of various category hurricanes as determined by pressure, size, forward speed and sustained winds. For the regional analysis, storm were categorized into three groups - Category 1&2, Category 3 and Category 4&5- for both fast and slow approaches. The SLOSH model should be seen as defining the “worst case scenario” of potential maximum surge for particular locations as opposed to the regional impact of one singular storm surge event.

Camden County Existing Storm Surge Vulnerability

The following provides an overview of existing conditions for portions of Camden County that are impacted by potential storm surge generated by both slow and fast approaching storms.

	Developed Land					
	Hurricane Storm Surge (Slow) Cat 1-2	Hurricane Storm Surge (Slow) Cat 3	Hurricane Storm Surge (Slow) Cat 4-5	Hurricane Storm Surge (Fast) Cat 1-2	Hurricane Storm Surge (Fast) Cat 3	Hurricane Storm Surge (Fast) Cat 4-5
# of Parcels	1,091	810	1,860	250	1,634	2,630
Acreage	9,290	4,068	20,147	1,576	45,297	25,218
Building Value	185,961,683	108,344,919	285,654,412	35,943,840	138,624,059	384,679,197
Total Assessed Value	325,367,738	171,151,125	478,037,031	66,342,937	399,936,340	38,568,725

	Undeveloped Land					
	Hurricane Storm Surge (Slow) Cat 1-2	Hurricane Storm Surge (Slow) Cat 3	Hurricane Storm Surge (Slow) Cat 4-5	Hurricane Storm Surge (Fast) Cat 1-2	Hurricane Storm Surge (Fast) Cat 3	Hurricane Storm Surge (Fast) Cat 4-5
# of Parcels	1,625	552	924	756	1,634	1,441
Acreage	50,021	10,163	53,856	27,563	27,442	59,796
Land Value	153,988,673	76,957,079	155,158,688	32,459,030	251,456,210	205,348,558

Camden County Future Floodplain Vulnerability

Currently, Camden County does not have the future land use information required to perform a detailed analysis of potential future conditions in relation to the non-specific hazard area. The County will continue to work on improving its GIS capabilities and aim to incorporate this element into future updates of this plan.

Chowan County Existing Storm Surge Vulnerability

The following provides an overview of existing conditions for portions of Chowan County that are impacted by potential storm surge generated by both slow and fast approaching storms.

Developed Land

	Hurricane Storm Surge (Slow) Cat 1-2	Hurricane Storm Surge (Slow) Cat 3	Hurricane Storm Surge (Slow) Cat 4-5	Hurricane Storm Surge (Fast) Cat 1-2	Hurricane Storm Surge (Fast) Cat 3	Hurricane Storm Surge (Fast) Cat 4-5
# of Parcels	1,091	810	1,860	250	1,634	2,630
Acreage	9,290	4,068	20,147	1,576	45,297	25,218
Building Value	185,961,683	108,344,919	285,654,412	35,943,840	138,624,059	384,679,197
Total Assessed Value	325,367,738	171,151,125	478,037,031	66,342,937	399,936,340	38,568,725

Undeveloped Land

	Hurricane Storm Surge (Slow) Cat 1-2	Hurricane Storm Surge (Slow) Cat 3	Hurricane Storm Surge (Slow) Cat 4-5	Hurricane Storm Surge (Fast) Cat 1-2	Hurricane Storm Surge (Fast) Cat 3	Hurricane Storm Surge (Fast) Cat 4-5
# of Parcels	1,625	552	924	756	1,634	1,441
Acreage	50,021	10,163	53,856	27,563	27,442	59,796
Land Value	153,988,673	76,957,079	155,158,688	32,459,030	251,456,210	205,348,558

Chowan County Future Floodplain Vulnerability

Currently, Chowan County does not have the future land use information required to perform a detailed analysis of potential future conditions in relation to the non-specific hazard area. The County will continue to work on improving its GIS capabilities and aim to incorporate this element into future updates of this plan.

Currituck County Existing Storm Surge Vulnerability

The following provides an overview of existing conditions for portions of Currituck County that are impacted by potential storm surge generated by both slow and fast approaching storms.

Developed Land						
	Hurricane Storm Surge (Slow) Cat 1-2	Hurricane Storm Surge (Slow) Cat 3	Hurricane Storm Surge (Slow) Cat 4-5	Hurricane Storm Surge (Fast) Cat 1-2	Hurricane Storm Surge (Fast) Cat 3	Hurricane Storm Surge (Fast) Cat 4-5
# of Parcels	6,606	5,665	3,192	6,052	6,078	3,668
Acreage	28,268	10,225	6,412	25,804	12,503	7,344
Building Value	1,052,325,600	1,087,638,900	710,629,900	1,083,836,200	1,247,567,700	580,675,500
Total Assessed Value	1,994,846,300	1,862,042,300	1,339,114,800	2,139,458,900	2,240,509,500	933,296,700

Undeveloped Land						
	Hurricane Storm Surge (Slow) Cat 1-2	Hurricane Storm Surge (Slow) Cat 3	Hurricane Storm Surge (Slow) Cat 4-5	Hurricane Storm Surge (Fast) Cat 1-2	Hurricane Storm Surge (Fast) Cat 3	Hurricane Storm Surge (Fast) Cat 4-5
# of Parcels	669	92	1,444	89	81	928
Acreage	15,751	591	13,731	1,571	894	21,375
Land Value	61,367,213	2,025,142	48,983,322	7,116,558	5,417,530	71,610,889

Currituck County Future Storm Surge Vulnerability

The following provides an overview of potential future vulnerabilities for undeveloped portions of Currituck County as impacted by slow and fast moving storms.

Slow Moving	Category 1-2		Category 3		Category 4-5	
	Acreage	Land Value	Acreage	Land Value	Acreage	Land Value
Conservation	40,242	\$ 192,408,700	4,198	\$ 115,921,600	3,078	\$ 27,772,300
Full Service	4,745	\$ 239,251,900	4,745	\$ 239,251,900	997	\$ 98,856,900
Limited	10,125	\$ 111,584,000	3,043	\$ 121,415,000	4,827	\$ 90,619,900
Rural	20,391	\$ 63,406,200	11,340	\$ 49,757,900	6,807	\$ 28,674,100

Fast Moving	Category 1-2		Category 3		Category 4-5	
	Acreage	Land Value	Acreage	Land Value	Acreage	Land Value
Conservation	42,045	\$ 305,009,900	4,573	\$ 28,297,100	1,650	\$ 4,109,400
Full Service	5,453	\$ 205,313,600	4,847	\$ 199,380,500	1,408	\$ 53,537,800
Limited	10,327	\$ 204,558,000	2,337	\$ 67,382,000	5,267	\$ 53,668,700
Rural	19,348	\$ 63,412,900	8,346	\$ 43,310,100	10,908	\$ 35,468,400

Dare County Existing Storm Surge Vulnerability

The following provides an overview of existing conditions for portions of Dare County that are impacted by potential storm surge generated by both slow and fast approaching storms.

Developed Land						
	Hurricane Storm Surge (Slow) Cat 1-2	Hurricane Storm Surge (Slow) Cat 3	Hurricane Storm Surge (Slow) Cat 4-5	Hurricane Storm Surge (Fast) Cat 1-2	Hurricane Storm Surge (Fast) Cat 3	Hurricane Storm Surge (Fast) Cat 4-5
# of Parcels	13,962	4,292	8,188	12,248	9,390	4,016
Acreage	20,841	5,414	10,482	31,215	3,630	1,724
Building Value	2,633,947,500	786,698,900	1,974,548,600	2,846,411,600	1,649,638,000	777,027,200
Total Assessed Value	4,675,451,800	1,752,163,000	4,619,689,400	6,322,145,900	3,144,768,200	1,394,292,000

Undeveloped Land						
	Hurricane Storm Surge (Slow) Cat 1-2	Hurricane Storm Surge (Slow) Cat 3	Hurricane Storm Surge (Slow) Cat 4-5	Hurricane Storm Surge (Fast) Cat 1-2	Hurricane Storm Surge (Fast) Cat 3	Hurricane Storm Surge (Fast) Cat 4-5
# of Parcels	6,002	1,305	2,353	5,953	2,300	1,203
Acreage	101,270	38,285	8,388	199,858	2,088	1,231
Land Value	566,287,500	560,970,900	508,811,700	1,252,873,700	270,208,100	117,207,400

Dare County Future Storm Surge Vulnerability

Currently, Dare County does not have the future land use information required to perform a detailed analysis of potential future conditions in relation to the non-specific hazard area. The County will continue to work on improving its GIS capabilities and aim to incorporate this element into future updates of this plan.

Gates County Existing Storm Surge Vulnerability

The following provides an overview of existing conditions for portions of Gates County that are impacted by potential storm surge generated by both slow and fast approaching storms.

Developed Land						
	Hurricane Storm Surge (Slow) Cat 1-2	Hurricane Storm Surge (Slow) Cat 3	Hurricane Storm Surge (Slow) Cat 4-5	Hurricane Storm Surge (Fast) Cat 1-2	Hurricane Storm Surge (Fast) Cat 3	Hurricane Storm Surge (Fast) Cat 4-5
# of Parcels	67	14	104	14	10	101
Acreage	3,357	1,111	1,701	228	309	4,429
Building Value	9,052,619	1,538,589	7,727,864	2,909,625	791,452	10,291,958
Total Assessed Value	21,977,849	5,188,482	16,623,172	3,877,351	1,438,908	29,004,714

Undeveloped Land						
	Hurricane Storm Surge (Slow) Cat 1-2	Hurricane Storm Surge (Slow) Cat 3	Hurricane Storm Surge (Slow) Cat 4-5	Hurricane Storm Surge (Fast) Cat 1-2	Hurricane Storm Surge (Fast) Cat 3	Hurricane Storm Surge (Fast) Cat 4-5
# of Parcels	126	6	92	21	26	146
Acreage	40,142	162	3,054	9,912	16,031	16,289
Land Value	25,651,300	379,422	8,416,386	2,936,995	3,406,204	25,318,891

Gates County Future Floodplain Vulnerability

Currently, Gates County does not have the future land use information required to perform a detailed analysis of potential future conditions in relation to the non-specific hazard area. The County will continue to work on improving its GIS capabilities and aim to incorporate this element into future updates of this plan.

Hertford County Existing Storm Surge Vulnerability

The following provides an overview of existing conditions for portions of Hertford County that are impacted by potential storm surge generated by both slow and fast approaching storms.

Developed Land						
	Hurricane Storm Surge (Slow) Cat 1-2	Hurricane Storm Surge (Slow) Cat 3	Hurricane Storm Surge (Slow) Cat 4-5	Hurricane Storm Surge (Fast) Cat 1-2	Hurricane Storm Surge (Fast) Cat 3	Hurricane Storm Surge (Fast) Cat 4-5
# of Parcels	34	224	57	146	71	69
Acreage	9,246	9,562	2,755	9,199	221	10,891
Building Value	3,885,900	41,558,265	6,876,932	35,675,213	6,315,900	5,148,355
Total Assessed Value	14,550,809	67,003,673	12,158,919	56,367,023	10,634,804	19,121,877

Undeveloped Land						
	Hurricane Storm Surge (Slow) Cat 1-2	Hurricane Storm Surge (Slow) Cat 3	Hurricane Storm Surge (Slow) Cat 4-5	Hurricane Storm Surge (Fast) Cat 1-2	Hurricane Storm Surge (Fast) Cat 3	Hurricane Storm Surge (Fast) Cat 4-5
# of Parcels	29	211	62	172	47	46
Acreage	5,163	25,311	5,896	26,417	1,662	5,938
Land Value	3,570,576	23,383,747	5,943,833	23,009,874	2,923,180	4,709,283

Hertford County Future Floodplain Vulnerability

Currently, Hertford County does not have the future land use information required to perform a detailed analysis of potential future conditions in relation to the non-specific hazard area. The County will continue to work on improving its GIS capabilities and aim to incorporate this element into future updates of this plan.

Pasquotank County Existing Storm Surge Vulnerability

The following provides an overview of existing conditions for portions of Pasquotank County that are impacted by potential storm surge generated by both slow and fast approaching storms.

Developed Land						
	Hurricane Storm Surge (Slow) Cat 1-2	Hurricane Storm Surge (Slow) Cat 3	Hurricane Storm Surge (Slow) Cat 4-5	Hurricane Storm Surge (Fast) Cat 1-2	Hurricane Storm Surge (Fast) Cat 3	Hurricane Storm Surge (Fast) Cat 4-5
# of Parcels	2,860	3,038	7,122	577	1,427	9,262
Acreage	16,153	2,065	14,294	933	2,453	24,718
Building Value	593,170,404	262,688,200	1,216,136,400	86,944,103	141,370,300	1,300,367,401
Total Assessed Value	872,613,608	349,442,100	1,216,136,400	136,564,106	211,311,700	1,851,940,502

Undeveloped Land						
	Hurricane Storm Surge (Slow) Cat 1-2	Hurricane Storm Surge (Slow) Cat 3	Hurricane Storm Surge (Slow) Cat 4-5	Hurricane Storm Surge (Fast) Cat 1-2	Hurricane Storm Surge (Fast) Cat 3	Hurricane Storm Surge (Fast) Cat 4-5
# of Parcels	2,021	987	2,166	2,021	623	3,556
Acreage	31,741	4,463	26,016	31,741	6,563	44,839
Land Value	142,119,100	35,390,700	160,412,700	142,119,100	31,723,100	259,681,800

Pasquotank County Future Floodplain Vulnerability

Currently, Pasquotank County does not have the future land use information required to perform a detailed analysis of potential future conditions in relation to the non-specific hazard area. The County will continue to work on improving its GIS capabilities and aim to incorporate this element into future updates of this plan.

Perquimans County Existing Storm Surge Vulnerability

The following provides an overview of existing conditions for portions of Perquimans County that are impacted by potential storm surge generated by both slow and fast approaching storms.

Developed Land						
	Hurricane Storm Surge (Slow) Cat 1-2	Hurricane Storm Surge (Slow) Cat 3	Hurricane Storm Surge (Slow) Cat 4-5	Hurricane Storm Surge (Fast) Cat 1-2	Hurricane Storm Surge (Fast) Cat 3	Hurricane Storm Surge (Fast) Cat 4-5
# of Parcels	1,372	431	2,236	40	749	1,592
Acreage	5,388	121	6,227	21	149	6,959
Building Value	230,050,180	54,255,210	292,963,580	3,508,500	108,486,150	265,370,740
Total Assessed Value	400,743,900	80,807,200	399,830,200	6,427,000	175,121,200	425,526,900

Undeveloped Land						
	Hurricane Storm Surge (Slow) Cat 1-2	Hurricane Storm Surge (Slow) Cat 3	Hurricane Storm Surge (Slow) Cat 4-5	Hurricane Storm Surge (Fast) Cat 1-2	Hurricane Storm Surge (Fast) Cat 3	Hurricane Storm Surge (Fast) Cat 4-5
# of Parcels	5,498	1,302	3,525	114	1,448	2,698
Acreage	16,499	723	26,269	115	564	31,584
Land Value	319,825,500	19,434,900	12,159,800	3,809,400	46,204,900	154,506,200

Perquimans County Future Storm Surge Vulnerability

Currently, Perquimans County does not have the future land use information required to perform a detailed analysis of potential future conditions in relation to the non-specific hazard area. The County will continue to work on improving its GIS capabilities and aim to incorporate this element into future updates of this plan

5.5 CRITICAL FACILITIES

After a hazard event, it is important to be aware of those facilities that are essential to the health, safety, and viability of each County. The damage or destruction of publicly-owned facilities could disrupt the everyday lives of citizens throughout the Albemarle Region. For the purpose of completing this plan, critical facilities are defined as those facilities that are essential to the preservation of life and property during a disaster, those that are critical to the continuity of government, those necessary to ensure timely recovery, and those that provide shelter to individuals needing that service. Also included in this list are schools and universities which are often used as emergency shelters. Following are lists of the most critical facilities for Camden, Chowan, Currituck, Dare, Gates, Hertford, Pasquotank and Perquimans (including all participating municipalities).

Camden County		
Facility	Physical Address	City
Camden County Sheriffs Department	117 North State Highway 343	Camden
North Carolina Division Of Parks - Dismal Swamp State Park	2294 United States Highway 17 North	South Mills
North Carolina Division Of Forest Resources District 7 - Camden County	101 Mckimmey Road	Camden
South Mills Volunteer Fire Department	105 Halstead Street	South Mills
South Camden Volunteer Fire Department / Rescue Station 12	114 Sawyers Creek Road	Camden
South Camden Volunteer Fire Department / Rescue Station 11	941 State Highway 343 South	Shiloh
South Mills Volunteer Fire Department	105 Halstead Street	South Mills
South Camden Volunteer Fire Department / Rescue Station 12	114 Sawyers Creek Road	Camden
South Camden Volunteer Fire Department / Rescue Station 11	941 State Highway 343 South	Shiloh
Grandy Primary	175 Nc Hwy 343 North	Camden
Camden County High	103 Us 158 W	Camden
Camden Middle	248 Scotland Road	Camden
Camtech High	103A Us Highway 158 W	Camden
Camden Intermediate	123 Noblitt Drive	Camden

Chowan County		
Facility	Physical Address	City
Chowan County Sheriffs Department / Chowan County Jail	100 Court Street	Edenton
Chowan Law Enforcement Center	305 West Freemason Street	Edenton
East Carolina Health Company Police	211 Virginia Road	Edenton
Edenton Police Department	504 South Broad Street	Edenton
Center Hill-Crossroads Fire District	105 Center Hill Road	Tyner
Edenton Fire Department	704 North Broad Street	Edenton
Chowan County Emergency Operations Center	208 West Hicks Street	Edenton
Chowan County EMS Unit 3	1414 Rocky Hock Landing Road	Edenton
Chowan County EMS Unit 1	208 West Hicks Street	Edenton
Chowan County EMS Unit 4	105 Center Hill Road	Tyner
Edenton Fire Department	704 North Broad Street	Edenton
John A Holmes High	600 Woodard Street	Edenton
Chowan Middle	2845 Virginia Road	Tyner
D F Walker Elementary	125 Sandy Ridge Road	Edenton
White Oak Elementary	111 Sandy Ridge Road	Edenton

Currituck County		
Facility	Physical Address	City
Currituck County Sheriffs Office	407 Maple Road	Maple
North Carolina Division Of Forest Resources District 7 - Currituck County	198 Airport Road	Maple
Carova Beach Volunteer Fire Department	2169 Ocean Pearl Road	Corolla
Currituck County Fire And EMS Station 8 - Knotts Island	153 South End Road	Knotts Island
Currituck County Fire And EMS Station 6 - Corolla	827 Whalehead Drive	Corolla
Lower Currituck Volunteer Fire Department - Waterlily Station	424 Waterlily Road	Coinjock
Currituck County Fire And EMS Station 7 - Pine Island	470 Ocean Trail	Corolla
Currituck County Fire And EMS Station 3 - Moyock	108 Puddin Ridge Road	Moyock
Currituck County Fire And EMS Station 4 - Crawford	121 Shawboro Road	Moyock
Lower Currituck Volunteer Fire Department - Powells Point Station	8336 Caratoke Highway	Powells Point
Currituck County Fire And EMS Station 5 - Lower Currituck	6325 Caratoke Highway	Grandy
Knotts Island Volunteer Fire Department	153 South End Road	Knotts Island
Crawford Volunteer Fire Company	121 Shawboro Road	Moyock
Moyock Fire Department And Rescue Squad Incorporated	108 Puddin Ridge Road	Moyock
Currituck County Fire And EMS Station 2	424 Waterlily Road	Coinjock
Corolla Fire And Rescue - Whalehead Station	827 Whalehead Drive	Corolla
Corolla Fire And Rescue - Pine Island Station	470 Ocean Trail	Corolla
Lower Currituck Fire Department	6323 Caratoke Highway	Grandy
Currituck County Emergency Management	151 Courthouse Rd	Currituck
Carova Beach Volunteer Fire Department	2169 Ocean Pearl Road	Corolla
Currituck County Fire And EMS Station 8 - Knotts Island	153 South End Road	Knotts Island
Currituck County Fire And EMS Station 6 - Corolla	827 Whalehead Drive	Corolla
Currituck County Fire And EMS Station 7 - Pine Island	470 Ocean Trail	Corolla
Currituck County Fire And EMS Station 3 - Moyock	108 Puddin Ridge Road	Moyock
Currituck County Fire And EMS Station 4 - Crawford	121 Shawboro Road	Moyock
Currituck County Fire And EMS Station 5 - Lower Currituck	6325 Caratoke Highway	Grandy
Knotts Island Volunteer Fire Department	153 South End Road	Knotts Island
Crawford Volunteer Fire Company	121 Shawboro Road	Moyock
Currituck County Fire And EMS Station 2	424 Waterlily Road	Coinjock
Moyock Fire Department And Rescue Squad Incorporated	108 Puddin Ridge Road	Moyock
Corolla Fire And Rescue - Whalehead Station	827 Whalehead Drive	Corolla
Corolla Fire And Rescue - Pine Island Station	470 Ocean Trail	Corolla
Central Elementary	504 Shortcut Road	Barco
Currituck County High	4203 Caratoke Hwy	Barco
Currituck County Middle	4263 Caratoke Hwy	Barco

Currituck County		
Facility	Physical Address	City
Moyock Elementary	255 Tulls Creek Road	Moyock
Knotts Island Elementary	413 Woodleigh Road	Knotts Island
WT Griggs Elementary	261 Poplar Branch Road	Poplar Branch
Shawboro Elementary School	370 Shawboro Road	Shawboro
Moyock Middle	216 Survey Road	Moyock
Jarvisburg Elementary	110 Jarvisburg Rd	Jarvisburg
The Jp Knapp Ech (I)School	2966 Caratoke Hwy	Currituck
Water'S Edge Village School	1126 School House Lane	Corolla

Dare County		
Facility	Physical Address	City
Dare County Sheriffs Department	962 Marshall C Collins	Manteo
Jockeys Ridge North Carolina State Park	Carolista Drive	Nags Head
National Park Service - Buxton Island Ranger Station	46500 Lighthouse Road	Buxton
Dare County Sheriffs Department - Hatteras Substation	57727 State Highway 12	Hatteras
Dare County Sheriffs Department - Colington Substation	2077 Colington Road	Kill Devil Hills
Kill Devil Hills Administration Building	102 Town Hall Drive	Kill Devil Hills
Southern Shores Police Department	6 Skyline Road	Southern Shores
First Flight Airport	1000 North Croatan Highway	Kill Devil Hills
National Park Service - Bodie Island Ranger Station	2 Park Service Road	Nags Head
North Carolina State Highway Patrol Troop A District I	2601 Croatan Highway	Kill Devil Hills
National Park Service - Cape Hatteras Ranger Station	1401 National Park Drive	Manteo
United States Fish And Wildlife Service - Alligator River	708 North United States Highway 64	Manteo
Town Of Nags Head Police Division	5401 South Croatan Highway	Nags Head
Manteo Police Department	410 Ananias Dare Street	Manteo
Kitty Hawk Police Department	722 West Kitty Hawk Road	Kitty Hawk
Baum Center	300 Mustain Drive	Kill Devil Hills
Century Link Telephone Substation	202 Asheville Drive	Kill Devil Hills
Kill Devil Hills Desalination Water Plant	600 Mustain Drive	Kill Devil Hills
Duck Police Department Headquarters	1259 Duck Road	Duck

Dare County		
Facility	Physical Address	City
Salvo Fire Department Station 48	27209 Roth Road	Salvo
Frisco Fire Department Station 42	52470 State Highway 12	Frisco
Dare County Regional Airport Station 22	410 Airport Road	Manteo
North Carolina Division Of Forest Resources District 13 - Dare County	406 Airport Road	Manteo
Southern Shores Fire Department - Substation	28 East Dogwood Trail	Kitty Hawk
Roanoke Island Volunteer Fire Department Station 17 - South Station	323 Old Schoolhouse Road	Wanchese
Colington Fire Department Station 15	108 School House Road	Kill Devil Hills
Stumpy Point Fire Department Station 19	255 Bayview Drive	Stumpy Point
Manns Harbor Fire Department Station 18	6657 United States Highway 64 And 264	Manns Harbor
Nags Head Fire And Rescue Station 16	5314 South Croatan Highway	Nags Head
Kill Devil Hills Fire Department Station 14	1634 North Croatan Highway	Kill Devil Hills
Duck Fire Department Station 11	1259 Duck Road	Duck
Chicamacomico Fire Department Station 50	24333 State Highway 12	Rodanthe
Avon Fire Department Station 46	40105 Harbor Road	Avon
Buxton Fire Department Station 44	47095 State Highway 12	Buxton
Hatteras Fire Department Station 40	57717 State Highway 12	Hatteras
Nags Head Fire And Rescue Station 21	8806 South Old Oregon Inlet Road	Nags Head
Roanoke Island Volunteer Fire Department Station 17 - North Station	917 United States Highway 64	Manteo
Kitty Hawk Fire Department Station 13	859 West Kitty Hawk Road	Kitty Hawk
Southern Shores Fire Department Station 12	15 South Dogwood Trail	Kitty Hawk
Dare County Emergency Management	1044 Driftwood Dr	Manteo
Kill Devil Hills Wastewater Treatment Plant	801 Bermuda Bay Boulevard	Kill Devil Hills
Salvo Fire Department Station 48	27209 Roth Road	Salvo
Hatteras Island Rescue Squad Station 35	48103 State Highway 12	Buxton
Roanoke Island Volunteer Fire Department Station 17 - South Station	323 Old Schoolhouse Road	Wanchese
Nags Head Fire And Rescue Station 16	5314 South Croatan Highway	Nags Head
Dominion Power Substatin	Bermuda Bay Development	Kill Devil Hills
Duck Fire Department Station 11	1259 Duck Road	Duck
Avon Fire Department Station 46	40105 Harbor Road	Avon
Dare County EMS Station 7	1078 Driftwood Drive	Manteo
Dare County EMS Station 5	5314 South Croatan Highway	Nags Head
Dare County EMS Station 3	50346 State Highway 12	Frisco

Dare County		
Facility	Physical Address	City
Dare County EMS Station 4	28 East Dogwood Trail	Kitty Hawk
Nags Head Fire And Rescue Station 21	8806 South Old Oregon Inlet Road	Nags Head
Roanoke Island Volunteer Fire Department Station 17 - North Station	917 United States Highway 64	Manteo
Kitty Hawk Fire Department Station 13	859 West Kitty Hawk Road	Kitty Hawk
Kill Devil Hills Public Works	701 Bermuda Boulevard	Kill Devil Hills
Southern Shores Fire Department Station 12	15 South Dogwood Trail	Kitty Hawk
Dare County EMS Station 8	6677 United States Highway 64	Manns Harbor
Dare County EMS Station 6	24297 Atlantic Drive	Rodanthe
Dare County EMS Station 1	1632 North Croatan Highway	Kill Devil Hills
Kill Devil Hills Water Administration	107 Town Hall Drive	Kill Devil Hills
Dare County EMS Station 2	515 Bowsertown Road	Manteo
Manteo Middle	1000 N. Hwy. 64-264	Manteo
Manteo Elementary	701 N Hwy 64 264	Manteo
Dare County Alternative	N Hwy 64 264	Manteo
Manteo High	616 Wingina Avenue	Manteo
First Flight Elementary	107 Veteran'S Drive	Kill Devil Hills
Cape Hatteras Secondary	Hatteras Highway 12	Buxton
Cape Hatteras Elementary	47500 Middle Ridge	Buxton
Kitty Hawk Elementary	16 Dogwood Trail	Kitty Hawk
First Flight Middle	109 Veteran'S Drive	Kill Devil Hills
First Flight High School	100 Veteran'S Drive	Kill Devil Hills
Nags Head Elementary	3100 S Wrightsville Avenue	Nags Head

Gates County		
Facility	Physical Address	City
North Carolina Division Of Parks - Merchants Mill Pond	71 United States Highway 158 East	Gatesville
Gates County Sheriffs Department	202 Court Street	Gatesville
Sunbury Volunteer Fire Department Incorporated	1006 United States Highway 158 East	Sunbury
Hobbsville Volunteer Fire Department Incorporated	365 Hobbsville Road	Hobbsville
Gatesville Volunteer Fire Department	127 Main Street	Gatesville
Gates Volunteer Fire Department Incorporated	459 Gates School Road	Gates
Eure Volunteer Fire Department Incorporated	1210 State Highway 137	Eure
United States Forest Service - Gatesville Ranger Station	61 United States Highway 158 West	Gatesville
Gates County Emergency Management	202 Court St	Gatesville
Hobbsville Volunteer Fire Department Incorporated	365 Hobbsville Road	Hobbsville
Gatesville Volunteer Fire Department	127 Main Street	Gatesville
Gates Volunteer Fire Department Incorporated	459 Gates School Road	Gates
Gates County Rescue Squad Incorporated	16 United States Highway 158 East	Gatesville
Harrell Medical Transport	49 Muddy Cross Road	Hobbsville
Central Middle	362 Us Hwy 158	Gatesville
Gates County Senior High	088 Hwy 158 West	Gatesville
Gatesville Elementary	709 Main Street	Gatesville
Buckland Elementary	448 Nc 37 North	Gates
T S Cooper Elementary	237 Nc 32 South	Sunbury

Hertford County		
Facility	Physical Address	City
Chowan University Department Of Public Safety	1 University Place	Murfreesboro
North Carolina State Highway Patrol Troop A District Ii	242 State Highway 42 West	Ahoskie
Federal Correctional Institution - River Correctional Institution	145 Parkers Fishery Road	Winton
City Of Murfreesboro Police Department	115 East Broad Street	Murfreesboro
Ahoskie Police Department	301 West Main Street	Ahoskie
Hertford County Sheriffs Department / Hertford County Jail	701 North Taylor Street	Winton
North Carolina Division Of Forest Resources District 7 - Hertford County	129 River Road	Winton
Winton Volunteer Fire Department	503 North Main Street	Winton
Millennium Fire Department Incorporated	246 Millenium Road	Aulander
Como Volunteer Fire And EMS	1201 United States Highway 258 North	Como
Saint John Fire Department Incorporated	1127 State Road 561 West	Ahoskie
Union Rural Volunteer Fire Department	103 Union Road	Ahoskie
Harrellsville Volunteer Fire Department Incorporated	229 East Main Street	Harrellsville
Ahoskie Rural Volunteer Fire Department	609 Main Street West	Ahoskie
Ahoskie Fire Department	301 West Main Street	Ahoskie
Murfreesboro Fire Department	200 Sycamore Street	Murfreesboro
Hertford County Emergency Management	102 Industrial Park Road	Winton
Millennium Fire Department Incorporated	246 Millenium Road	Aulander
Como Volunteer Fire And EMS	1201 United States Highway 258 North	Como
Saint John Fire Department Incorporated	1127 State Road 561 West	Ahoskie
Harrellsville Volunteer Fire Department Incorporated	229 East Main Street	Harrellsville
Ahoskie Rescue Squad Incorporated	205 Pembroke Avenue North	Ahoskie
Winton Volunteer Rescue Squad	503 North Main Street	Winton
Hertford County Ambulance Service	102 Industrial Park Road	Winton
Murfreesboro Rescue Squad	202 Sycamore Street	Murfreesboro
Hertford County Middle	1850 Hwy 11N	Murfreesboro
Riverview Elementary	236 Us 158 Business	Murfreesboro
Hertford County High	1500 W First St	Ahoskie
Ahoskie Elementary	200 N Talmage St	Ahoskie
Bearfield Primary	145 Hertford Co High School Rd	Ahoskie
Hertford Co Early College	109 Community College Rd	Ahoskie
Cs Brown High	102 Csb Dr	Winton

Pasquotank County		
Facility	Physical Address	City
United States Coast Guard Base/Elizabeth City/Air Station/Fire Station	1664 Weeksville Road	Elizabeth City
North Carolina Division Of Forest Resources - District Seven	861 Berea Church Road	Elizabeth City
Elizabeth City Police Department	302 East Colonial Avenue	Elizabeth City
Federal Courthouse/United States Marshals Service - Elizabeth City Office	306 East Main Street	Elizabeth City
Albemarle Hospital	1144 North Road Street	Elizabeth City

Pasquotank County		
Facility	Physical Address	City
North Carolina State Highway Patrol Troop A District Iii	1164 United States Highway 17 South	Elizabeth City
Elizabeth City State University Police Department	1704 Weeksville Road	Elizabeth City
North Carolina Alcohol Law Enforcement District 1	106 Tarheel Court	Elizabeth City
Pasquotank County Sheriffs Department	200 East Colonial Avenue	Elizabeth City
Elizabeth City Fire Department Station 2	410 Harney Street	Elizabeth City
Pasquotank - Providence Volunteer Fire Department Incorporated	1995 North Road Street	Elizabeth City
Elizabeth City Fire Department Station 1	902 Halstead Blvd	Elizabeth City
Weeksville Volunteer Fire Department Incorporated Station 1	2742 Peartree Road	Elizabeth City
North Carolina Division Of Forest Resources District 7 - Pasquotank County	861 Berea Church Road	Elizabeth City
Pasquotank - Nixonton Volunteer Fire Department Incorporated	1316 Four Forks Road	Elizabeth City
Weeksville Volunteer Fire Department Incorporated Station 2	1422 Soundneck Road	Elizabeth City
Pasquotank-Newland Volunteer Fire Department	721 United States Highway 158	Elizabeth City
Camden/Pasquotank Emergency Management	200 E. Colonial Avenue	Elizabeth City
United States Coast Guard Support Center Fire Department - Elizabeth City	Weeksville Road	Elizabeth City
Pasquotank - Camden EMS	1144B North Road Street	Elizabeth City
Central Elementary	1059 Us Hwy 17	Elizabeth City
Weeksville Elementary	1170 Salem Church Rd	Elizabeth City
Elizabeth City Middle	1066 Northside Road	Elizabeth City
H L Trigg Community	1004 Parkview Drive	Elizabeth City
J C Sawyer Elementary	1007 Park St	Elizabeth City
Northeastern High	963 Oak Stump Rd	Elizabeth City
Pasquotank Elementary	1407 Peartree Rd	Elizabeth City
P W Moore Elementary	606 Roanoke Ave	Elizabeth City
River Road Middle	1701 River Road	Elizabeth City
Sheepharney Elementary	200 W Elizabeth St	Elizabeth City
Pasquotank County High	1064 Northside Road	Elizabeth City
Northside Elementary	1062 Northside Rd	Elizabeth City

Perquimans County		
Facility	Physical Address	City
Perquimans County Sheriffs Department	110 North Church Street	Hertford
Winfall Police Department - Headquarters	100 Parkview Lane	Winfall
Hertford Police Department	114 West Grubb Street	Hertford
Belvidere-Chappell Hill Volunteer Fire Department	143 Drinking Hole Road	Belvidere
Hertford Fire Department	328 West Grubb Street	Hertford
Durants Neck Fire Department	2087 New Hope Road	Hertford

Perquimans County		
Facility	Physical Address	City
Bethel Community Fire Protection Association	462 Snug Harbor Road	Hertford
Inter-County Volunteer Fire Department Incorporated	118 Woodville Road	Hertford
Winfall Volunteer Fire Department	341 Wiggins Road	Hertford
Perquimans County Emergency Management	128 North Church St	Hertford
Belvidere-Chappell Hill Volunteer Fire Department	143 Drinking Hole Road	Belvidere
Hertford Fire Department	328 West Grubb Street	Hertford
Bethel Community Fire Protection Association	462 Snug Harbor Road	Hertford
Inter-County Volunteer Fire Department Incorporated	118 Woodville Road	Hertford
Winfall Volunteer Fire Department	341 Wiggins Road	Hertford
Perquimans County Rescue And EMS	601B South Edenton Road Street	Hertford
Perquimans County Middle	312 W Main Street	Winfall
Perquimans County High	305 Edenton Road St	Hertford
Hertford Grammar	603 Dobbs Street	Hertford
Perquimans Central	181 Winfall Blvd	Winfall

5.6 Changes in Development

Eastern North Carolina, and specifically the counties and towns that make up the Albemarle Region, have been extremely impacted by the recession that began in 2008. The construction/development industry has been severely impacted by the recession. Camden, Currituck, Dare and Perquimans counties continued to show growth over the period from 2010-2013. Chowan, Gates, Hertford and Pasquotank counties show no growth for the same period. Gates, Hertford and Pasquotank showed declines. The following table shows the building permits issued and the population trends for the period 2010-2013.

	Single Family Building Permits				Population Change		
	2010	2011	2012	2013	2010	2013	% Growth
Camden	16	15	16	42	9980	10174	1.90%
Chowan	29	11	10	12	14793	14815	0.10%
Currituck	138	137	204	232	23547	24506	4%
Dare	136	151	221	201	33920	35273	4%
Gates	34	28	21	25	12186	11880	-2.50%
Hertford	19	2	20	5	24658	24621	-0.20%
Pasquotank	45	54	68	68	40661	39458	-3%
Perquimans	53	38	28	38	13453	13771	3.40%

Source: US Census Bureau

The participating jurisdictions in the Albemarle Region will continue to enforce the requirements of the National Flood Insurance Program to protect development in the flood hazard areas. They will also continue to enforce other local land use and environmental policies to protect development from future hazards.

5.7 REPETITIVE LOSS PROPERTIES

Repetitive loss structures are those that have suffered damage from repeated hazard events. A Repetitive Loss (RL) property is technically defined as any insurable building for which two or more claims of more than \$1,000 were paid by the National Flood Insurance Program (NFIP) within any rolling ten-year period, since 1978. A RL property may or may not be currently insured by the NFIP. The only reliable source of information on repetitive loss structures is flood insurance claims data available through the National Flood Insurance Program (NFIP).

Table 5.2 provides a summary count by jurisdiction for Repetitive Loss (RL) properties identified by FEMA. Repetitive Loss Maps provided by Currituck and Dare Counties can be found in Appendix H and Appendix I.

Table 5.2 Repetitive Loss Summary

Jurisdiction	Total Number of Buildings	Total Number of Losses	Total Amount of Claims Payments
Camden County	21	49	\$959,722.90
Chowan County	9	19	\$403,821.13
Town of Edenton	7	15	\$696,436.73
Currituck County	86	206	\$2,702,614.70
Dare County	449	1,363	\$27,321,221.43
Town of Duck	7	17	\$377,388.49
Town of Kill Devil Hills	88	278	\$5,798,131.77
Town of Kitty Hawk	250	830	\$12,520,209.69
Town of Manteo	8	25	\$1,051,762.12
Town of Nags Head	149	676	\$13,150,995.08
Town of Southern Shores	0	0	\$0.00
Gates County	1	3	\$34,024.82
Town of Gatesville	0	0	\$0.00
Hertford County	6	15	\$210,314.38
Town of Ahoskie	10	28	\$1,221,672.45
Town of Como	-	-	-
Town of Colfield	-	-	-
Town of Harrellsville	-	-	-
Town of Murfreesboro	0	0	\$0.00
Town of Winton	0	0	\$0.00
Pasquotank County	19	51	\$501,097.92
Elizabeth City	23	53	\$1,587,896.25
Perquimans County	2	4	\$85,233.33
Town of Hertford	2	4	\$45,997.64
Town of Winfall	0	0	\$0.00
Total Albemarle Region	1,137	3,636	\$68,668,540.83

5.8 Key Issues

This section will look at the key issues regarding each participating jurisdiction's most vulnerable structures and key infrastructure. These issues along with the mitigation strategies contained in Section 7 are intended to address the community's vulnerability to flooding, hurricanes, nor'easters and erosion. These hazards have

been identified as the region's most significant hazards as defined in **Table 4.11** (Section 4, page 39)

Camden County

Camden County will work to address the following key issues.

- Camden County will monitor the ongoing status and condition of all repetitive loss properties as outlined in **Table 5.2**.
- Camden County will explore options for relocating or flood proofing Camden Middle School, Camden Intermediate School, South Camden Volunteer Fire/Rescue and the Camden County Sheriff Department which are located in the 100 year floodplain.

Chowan County

Chowan County along with the Town of Edenton will work to address the following key issues.

- Chowan County, along with the Town of Edenton, will monitor the ongoing status and condition of all repetitive loss properties as outlined in **Table 5.2**.
- The Town of Edenton will explore options for relocating or flood proofing the Edenton Police Department which is located in the 100 year floodplain.

Currituck County

Camden County will work to address the following key issues.

- Currituck County will monitor the ongoing status and condition of all repetitive loss properties as outlined in **Table 5.2**.
- Currituck County will explore options for relocating or flood proofing Currituck County High School, Currituck County Middle School, Shawboro Elementary School and Water's Edge Village School which are all located in the 100 year floodplain. They will also explore options for relocating or flood proofing the Carova Beach Volunteer Fire Department, Currituck County Fire and EMS Stations 2, 4 and 6, Lower Currituck Volunteer Fire Department and the Crawford Volunteer Fire Department, Corolla Fire and Rescue which are all located in the 100 year floodplain.

Dare County

Dare County along with the Towns of Duck, Kill Devil Hills, Kitty Hawk, Manteo, Nags Head and Southern Shores will work to address the following key issues:

- Dare County, along with the Towns of Duck, Kill Devil Hills, Kitty Hawk, Manteo, Nags Head and Southern Shores, will monitor the ongoing status and condition of all repetitive loss properties as outlined in **Table**

5.2.

- Dare County will explore options for relocating or flood proofing the Dare County Sheriff's Department Collington Substation, Collington Fire Department Station 15, Mans Harbor Fire Station 18, Dare County EMS Station 8, Stumpy Point Fire Department Station 19, Chicamacomico Fire Department Station 50, Dare County EMS Station 6, Salvo Fire Department Station 48, Avon Fire Department Station 46, Buxton Fire Department Station 44, Cape Hatteras Secondary School, Cape Hatteras Elementary School, Frisco Fire Department Station 42, Hatteras Fire Department Station 40 and the Dare County Sheriffs Department Hatteras Substation, all of which are located in the 100 year floodplain. The Town of Kitty Hawk will explore options for relocating or flood proofing the Kitty Hawk Police Department and Kitty Hawk Fire Department Station 13 which are located in the 100 year floodplain. The Town of Kill Devil Hills will explore options for relocating or flood proofing Dare County EMS Station 1 and the Kill Devil Hills Fire Department Station 14 which are located in the 100 year floodplain. The Town of Nags Head will explore options for relocating or flood proofing Nags Head Elementary as well as Nags Head Fire and Rescue Station 21, which are both located in the 100 year floodplain. The Town of Manteo will explore options for relocating or flood proofing the Roanoke Island Volunteer Fire Department Station 17, Manteo Elementary, Manteo Police Department, Manteo Middle School, Dare County EMS Station 12 and the Dare County Sheriff's Department, all of which are located in the 100 year floodplain.

Gates County

Gates County along with the Town of Gatesville will work to address the following key issues.

- Gates County and the Town of Gatesville will monitor the ongoing status and condition of all repetitive loss properties as outlined in **Table 5.2**.

Hertford County

Hertford County along with the Towns of Ahoskie, Cofield, Como, Harrellsville, Murfreesboro and Winton will work to address the following key issues.

- Hertford County along with the Towns of Ahoskie, Cofield, Como, Harrellsville, Murfreesboro and Winton will monitor the ongoing status and condition of all repetitive loss properties as outlined in **Table 5.2**.

Pasquotank County

Pasquotank County along with the Towns of Elizabeth City will work to address the following key issues.

- The Town of Elizabeth City will explore options for relocating or flood proofing Central Elementary School, Weeksville Elementary School, J C Sawyer Elementary School and Sheep Harney Elementary School which are located in the 100 year floodplain. Pasquotank County will explore options for relocating or flood proofing the Weeksville Volunteer Fire Department and the Pasquotank-Newland Volunteer Fire Department, which are both located in the 100 year floodplain. Pasquotank County will also work with the North Carolina Division of Forest Resources to explore options for relocating or flood proofing the District 7 office.
- Pasquotank County along with the Town of Elizabeth City will monitor the ongoing status and condition of all repetitive loss properties as outlined in **Table 5.2**.

Perquimans County

Perquimans County along with the Towns of Hertford and Winfall will work to address the following key issues.

- Perquimans County will explore options for relocating or flood proofing Inter-County Volunteer Fire Department which is located in the 100 year floodplain.
- Perquimans County along with the Towns of Hertford and Winfall will monitor the ongoing status and condition of all repetitive loss properties as outlined in **Table 5.2**.