

Annex E Town of Fuquay-Varina

E.1 PLANNING PROCESS

The table below lists the HMPC members who represented the Town of Fuquay-Varina.

Table E.1 – HMPC Members

Agency	Representative	Position or Title
Planning Department	Samantha Smith	Planning Director
Planning Department	Alyssa Stafford	Planner
N/A	Ed Ridpath	Citizen Stakeholder

E.2 COMMUNITY PROFILE

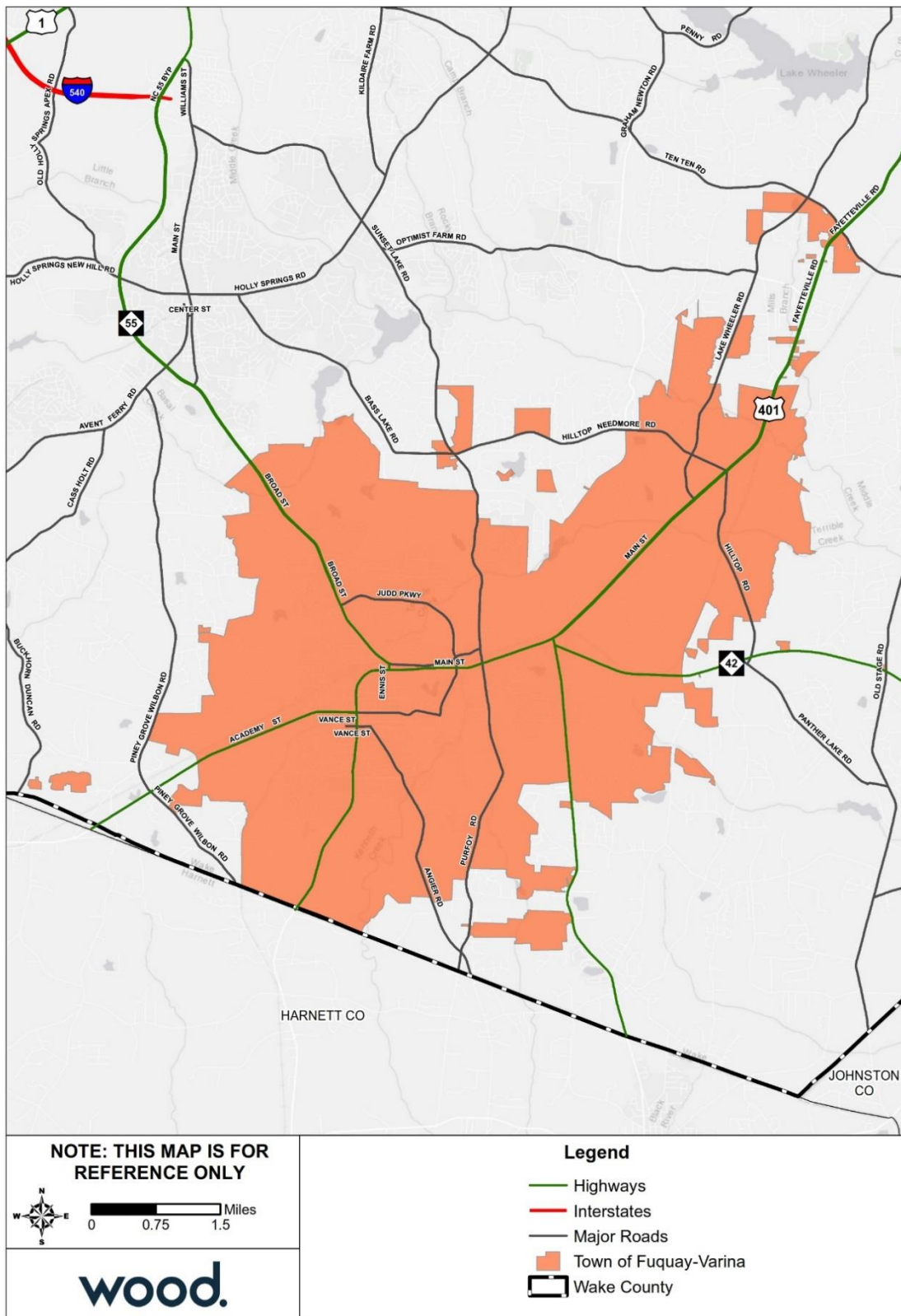
Geography

The Town of Fuquay-Varina is located in southern Wake County. It is neighbored by Holly Springs to the northwest, Angier to the southeast, and Harnett County to the southwest. The Town is part of the Raleigh, NC Metropolitan Statistical Area, which falls within the larger Raleigh-Durham-Chapel Hill, NC Combined Statistical Area. Fuquay-Varina comprises a total land area of 12.1 square miles.

Figure E.1 shows a base map of the major transportation routes in the Town of Fuquay-Varina.

According to data from the U.S. Fish and Wildlife Service’s National Wetlands Inventory, there are approximately 1,450 acres of wetlands in Fuquay-Varina.

Figure E.1 – Major Transportation Routes – Town of Fuquay-Varina



Source: Wake County GIS Open Data

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Population and Demographics

Table E.2 provides population counts and growth estimates for the Town of Fuquay-Varina as compared to the County overall. Table E.3 provides demographic information for Fuquay-Varina as compared to the whole County.

Table E.2 – Population Counts, Fuquay-Varina, 2010-2017

Jurisdiction	2000 Census Population	2010 Census Population	2017 ACS Population Estimate	Total Change 2010-2017	% Change 2010-2017
Wake County total	627,846	900,993	1,023,811	122,818	13.6%
Town of Fuquay-Varina	7,898	17,937	24,373	6,436	35.9%

Source: US Census Bureau Decennial Census 2000, Decennial Census 2010; American Community Survey 2013-2017 5-Year Estimates

Table E.3 – Racial Demographics, Fuquay-Varina, 2017

Jurisdiction	White, %	Black, %	Asian, %	Other Race, %	Two or More Races, %	Persons of Hispanic or Latino Origin*, %
Wake County total	66.5%	20.4%	6.5%	3.6%	2.7%	10.0%
Town of Fuquay-Varina	77.5%	15.4%	1.6%	2.8%	2.7%	9.4%

Source: US Census Bureau, American Community Survey 2013-2017 5-Year Estimates

*Persons of Hispanic origin may be of any race, so also are included in applicable race categories

Asset Inventory

The following tables summarize the asset inventory for Fuquay-Varina in order to estimate the total physical exposure to hazards in this area. The locations of critical facilities are shown in Figure E.2 on the following page. Critical facilities are a subset of identified assets from the Critical Infrastructure & Key Resources dataset. Note that the counts are by building; where a critical facility comprises a cluster of buildings, each building is counted and displayed.

Table E.4 – Critical Infrastructure & Key Resources by Type

Jurisdiction	Food & Agriculture	Banking & Finance	Chemical	Commercial Facilities	Communications	Manufacturing	Defense	Government	Healthcare	IT	National Monuments	Nuclear	Postal & Shipping	Transportation	Energy	Emergency Services	Water	Other	Total
Town of Fuquay-Varina	136	17	0	275	0	150	1	69	27	0	0	0	0	37	0	3	5	0	720

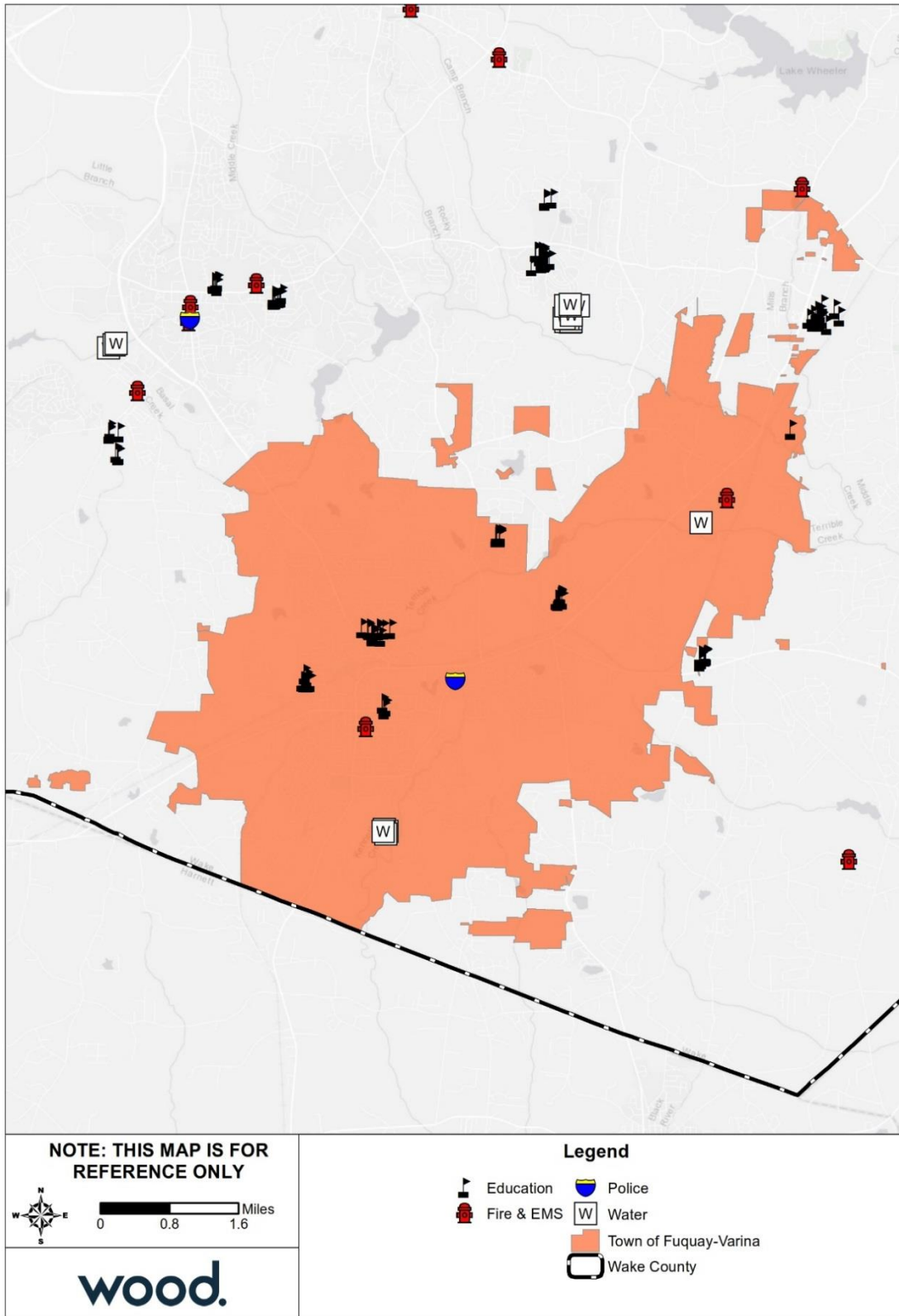
Source: NCEM Risk Management Tool

Table E.5 – High Potential Loss Facilities by Use

Jurisdiction	Residential	Commercial	Industrial	Government	Agricultural	Religious	Utilities	Other	Total
Town of Fuquay-Varina	19	52	16	15	1	17	5	0	125

Source: NCEM Risk Management Tool

Figure E.2 – Critical Facilities, Town of Fuquay-Varina



Source: NCEM IRISK Database, GIS Analysis

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To supplement the asset inventory and provide a clearer picture of the current asset exposure in the Town of Fuquay-Varina, current parcel data was evaluated to identify development since 2010. This information is not incorporated into the risk assessment, which was prepared using NCEM’s IRISK database. However, this summary of development since 2010 provides some context to understand the degree to which the IRISK exposure and vulnerability numbers differ from current conditions.

Table E.6 provides a summary by land class of parcel development from January 2011 to April 2019.

Table E.6 – Parcels Developed 2011 or Later, Town of Fuquay-Varina

Land Class	Number of Parcels	Sum of Building Value
Acres Greater Than 10 With House	2	\$510,076
Apartment	5	\$56,588,768
Commercial	35	\$39,296,320
EXEMPT	4	\$4,553,482
HOA	1	-
Industrial	5	\$4,294,864
Part Exempt	4	\$916,806
Residential Less than 10 Acres	3,809	\$847,692,058
Retirement Home	1	\$9,101,418
Vacant	2	-
Grand Total	3,868	\$962,953,892

Source: Wake County Open Data; retrieved April 8, 2019

There are 12 listings on the National Register of Historic Places for the Town of Fuquay-Varina, including 4 historic districts. These sites are listed in the table below.

Table E.7 – Historic Properties

Ref#	Property Name	Status Date	Category	City
14000230	Fuquay Springs Historic District (Boundary Increase)	5/19/2014	District	Fuquay Varina
14001023	Stevens, Wayland H. and Mamie Burt, House	12/10/2014	Building	Fuquay Varina
86003457	Fuquay Mineral Spring	12/4/1986	Site	Fuquay-Varina
89002352	Jones--Johnson--Ballentine Historic District	1/26/1990	District	Fuquay-Varina
89002351	Varina Commercial Historic District	1/31/1990	District	Fuquay-Varina
91001375	Johnson, J. Beale, House	9/5/1991	Building	Fuquay-Varina
97000195	Ben--Wiley Hotel	2/27/1997	Building	Fuquay-Varina
02000495	Fuquay Springs High School	5/16/2002	Building	Fuquay-Varina
07000352	Fuquay-Varina Woman's Club Clubhouse	4/24/2007	Building	Fuquay-Varina
96001398	Fuquay Springs Historic District	11/29/1996	District	Fuquay-Varina
05001028	Johnson, Kemp B., House	9/15/2005	Building	Fuquay-Varina
05001448	Fuquay Springs Teacherage	12/23/2005	Building	Fuquay-Varina

Source: National Parks Service, National Register of Historic Places, October 2018

Housing

The table below details key housing statistics for Fuquay-Varina as compared to the County overall.

Table E.8 – Housing Statistics, Fuquay-Varina, 2010-2017

Jurisdiction	Housing Units (2010)	Housing Units (2017)	Housing Units Percent Change (2010-2017)	Owner-Occupied, % (2017)	Vacant Units, % (2017)	Median Home Value (2017)
Wake County total	371,836	411,632	10.7%	59.5%	7.2%	\$250,700
Town of Fuquay-Varina	7,325	8,626	17.8%	69.8%	4.1%	\$221,000

Source: U.S. Census Bureau 2010 Decennial Census, American Community Survey 2013-2017 5-Year Estimates
 Note: Owner-Occupied and vacant-unit measures are reported as a percent of the total number of housing units.

Economy

The following tables present key economic statistics for Fuquay-Varina as compared to the County overall.

Table E.9 – Employment Statistics, Fuquay-Varina, 2017

Jurisdiction	Population in Labor Force	Percent Employed* (%)	Percent Unemployed* (%)	Percent Not in Labor Force* (%)	Unemployment Rate (%)
Wake County	564,096	67.2	3.5	29.2	4.9
Town of Fuquay-Varina	12,407	65.9	3.9	29.9	5.6

Source: U.S. Census Bureau, American Community Survey 2013-2017 5-Year Estimates
 Note: This table reports only the civilian labor force. The labor force in armed services accounted for 0.3% or less of the population 16 and over in all jurisdictions. *Population employed, population unemployed, and Population not in labor force are reported as a percent of the total population aged 16 years and older.

Table E.10 – Percent of Employed Population by Occupation, Fuquay-Varina, 2017

Occupation	Management, business, science and arts (%)	Service (%)	Sales and Office (%)	Natural Resources, Construction, and Maintenance (%)	Production, transportation, and material moving (%)
Wake County	50.1	13.8	23.4	6.0	6.7
Town of Fuquay-Varina	47.3	16.7	22.4	5.3	8.3

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

E.3 RISK ASSESSMENT

This section contains a hazard profile and vulnerability assessment for those hazards that were rated with a higher priority for the Town of Fuquay-Varina than for Wake County as a whole. Risk and vulnerability findings are also presented here for those hazards that are spatially defined and have variations in risk that could be evaluated quantitatively on a jurisdictional level. The hazards included in this section are: Flood and Wildfire.

E.3.1 Flood

Table E.11 details the acreage of the Town of Fuquay-Varina by flood zone on the effective DFIRM. Per this assessment, over 5 percent of the Town of Fuquay-Varina falls within the mapped 1%-annual-chance floodplains.

Table E.11 – Flood Zone Acreage in the Town of Fuquay-Varina

Flood Zone	Acreage	Percent of Total (%)
Zone A	14.13	0.07
Zone AE	1,033.76	5.40
Zone X (500-year)	135.68	0.71
Zone X Unshaded	17,977.26	91.80
Total	19,160.83	--

Source: FEMA Effective DFIRM; Wake County GIS

Figure E.3 reflects the effective mapped flood hazard zones for the Town of Fuquay-Varina, and Figure E.4 displays the depth of flooding estimated to occur in these areas during the 1%-annual-chance flood.

To supplement the IRISK assessment of property at risk from the 1% annual chance flood event in Section 4 and provide a clearer picture of the current property at risk in Town of Fuquay-Varina, current parcel data was evaluated to identify parcels developed since 2010. Using GIS analysis, parcels developed after 2010 were compared to the boundaries of the 1% annual chance floodplain to identify the exposure of newly developed property to the base flood. For parcels where updated building footprints were available, the parcel was considered exposed only if the building intersected the floodplain boundary, otherwise, a parcel was considered exposed to the floodplain if any portion of the parcel was located in the floodplain. However

This assessment does not evaluate flood impacts or provide damage estimates. However, this summary of development in or near the floodplain since 2010 provides some context to understand the degree to which the IRISK exposure and vulnerability numbers differ from current conditions.

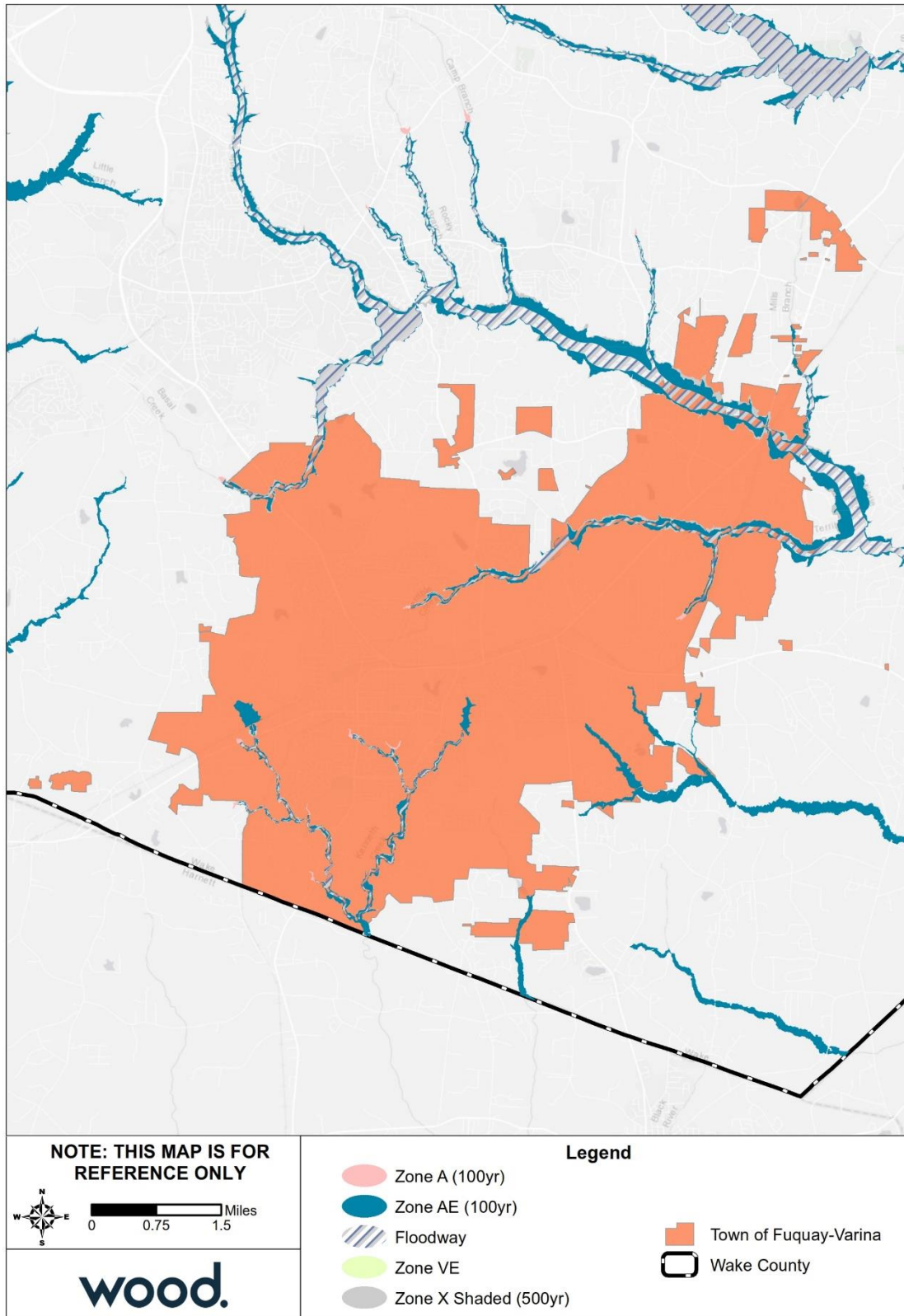
Table E.12 provides a summary by land class of parcel development located in the 1% annual chance floodplain from January 2011 to April 2019.

Table E.12 – Parcels Developed 2011 or Later and Located in 100-Year Floodplain, Town of Fuquay-Varina

Land Class	Number of Parcels	Sum of Building Value
Commercial	1	\$5,138,598
Industrial	3	\$955,917
Residential Less Than 10 Acres	58	\$12,968,191
Grand Total	62	\$19,062,706

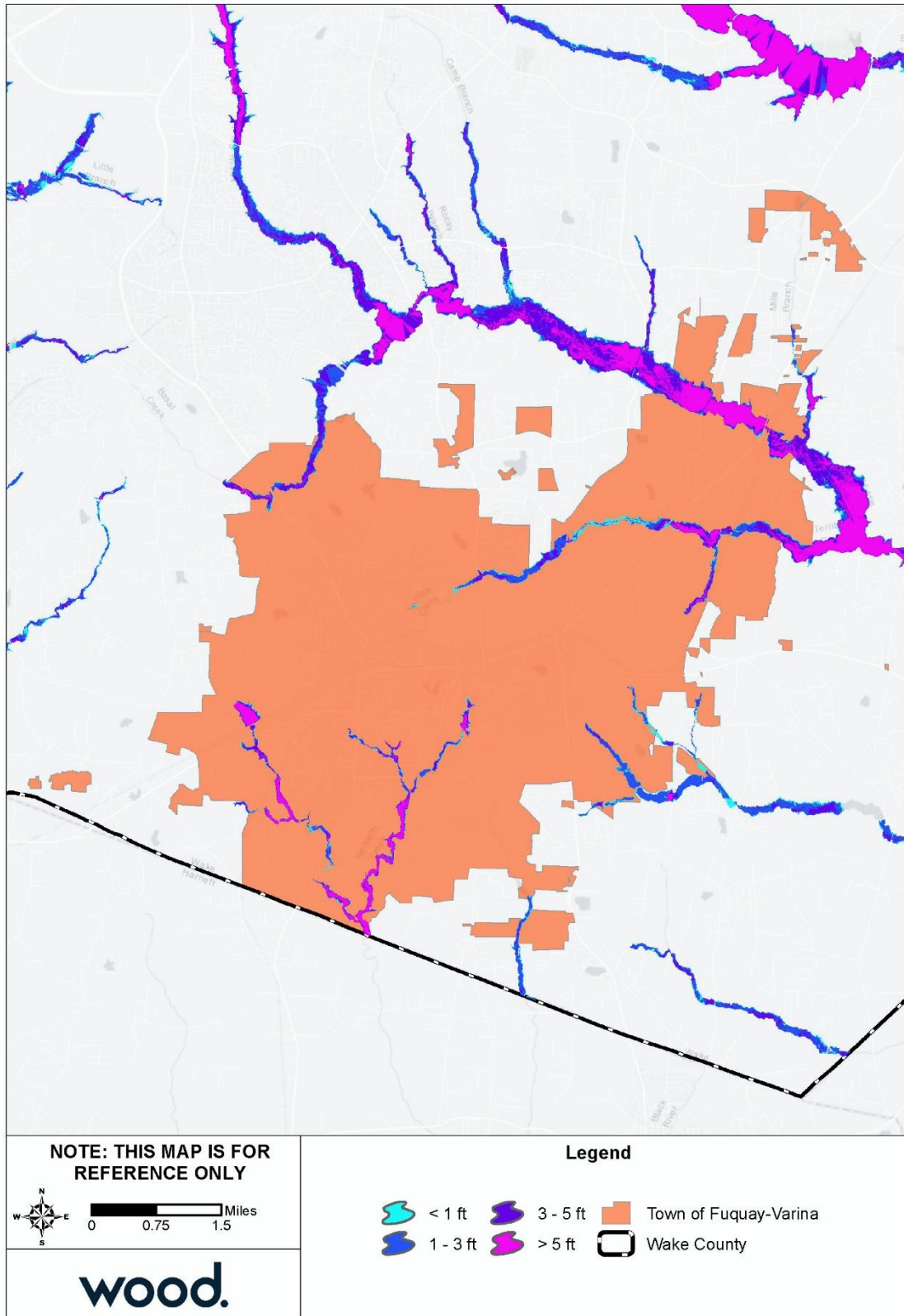
Source: Wake County Open Data; retrieved April 8, 2019; FEMA Effective DFIRM

Figure E.3 – FEMA Flood Hazard Areas, Town of Fuquay-Varina



Source: FEMA Effective DFIRM

Figure E.4 – Flood Depth, 1%-Annual-Chance Floodplain, Town of Fuquay-Varina



Source: FEMA Effective DFIRM

E.3.2 Wildfire

Table E.13 summarizes the acreage in the Town of Fuquay Varina that falls within the Wildland Urban Interface (WUI), categorized by housing density. Areas in the WUI are those where development may intermix with flammable vegetation. Over 8 percent of the Town of Fuquay Varina is not included in the WUI.

Table E.13 – Wildland Urban Interface Acreage, Town of Fuquay-Varina

	Housing Density	Total Acreage	Percent of Total Acreage
	Not in WUI	1,653.7	8.6%
	LT 1hs/40ac	1,157.2	6.0%
	1hs/40ac to 1hs/20ac	1,275.1	6.7%
	1hs/20ac to 1hs/10ac	1,676.9	8.8%
	1hs/10ac to 1hs/5ac	2,243.2	11.7%
	1hs/5ac to 1hs/2ac	4,180.1	21.8%
	1hs/2ac to 3hs/1ac	6,774.3	35.4%
	GT 3hs/1ac	200.1	1.0%
	Total	19,160.6	

Source: Southern Wildfire Risk Assessment

Figure E.5 depicts the WUI the Town of Fuquay-Varina. The WUI is the area where housing development is built near or among areas of vegetation that may be prone to wildfire. Figure E.6 depicts the Fire Intensity Scale, which indicates the potential severity of fire based on fuel loads, topography, and other factors. Figure E.7 depicts Burn Probability based on landscape conditions, percentile weather, historical ignition patterns, and historical prevention and suppression efforts.

Potential fire intensity is highest in central Fuquay-Varina as well as some areas in the southwest and northeast. These areas are generally within the WUI, but in the central area, there is a lower burn probability. The southern and eastern regions of the Town have moderate burn probabilities, and some areas within these regions have relatively high potential fire intensity and fall within the WUI, putting some development potentially at risk.

Table E.14 provides building counts and estimated damages for Critical Infrastructure and Key Resources (CIKR) buildings by sector at risk to wildfire hazard. Table E.15 provides counts and estimated damages for High Potential Loss Properties in the Town of Fuquay-Varina.

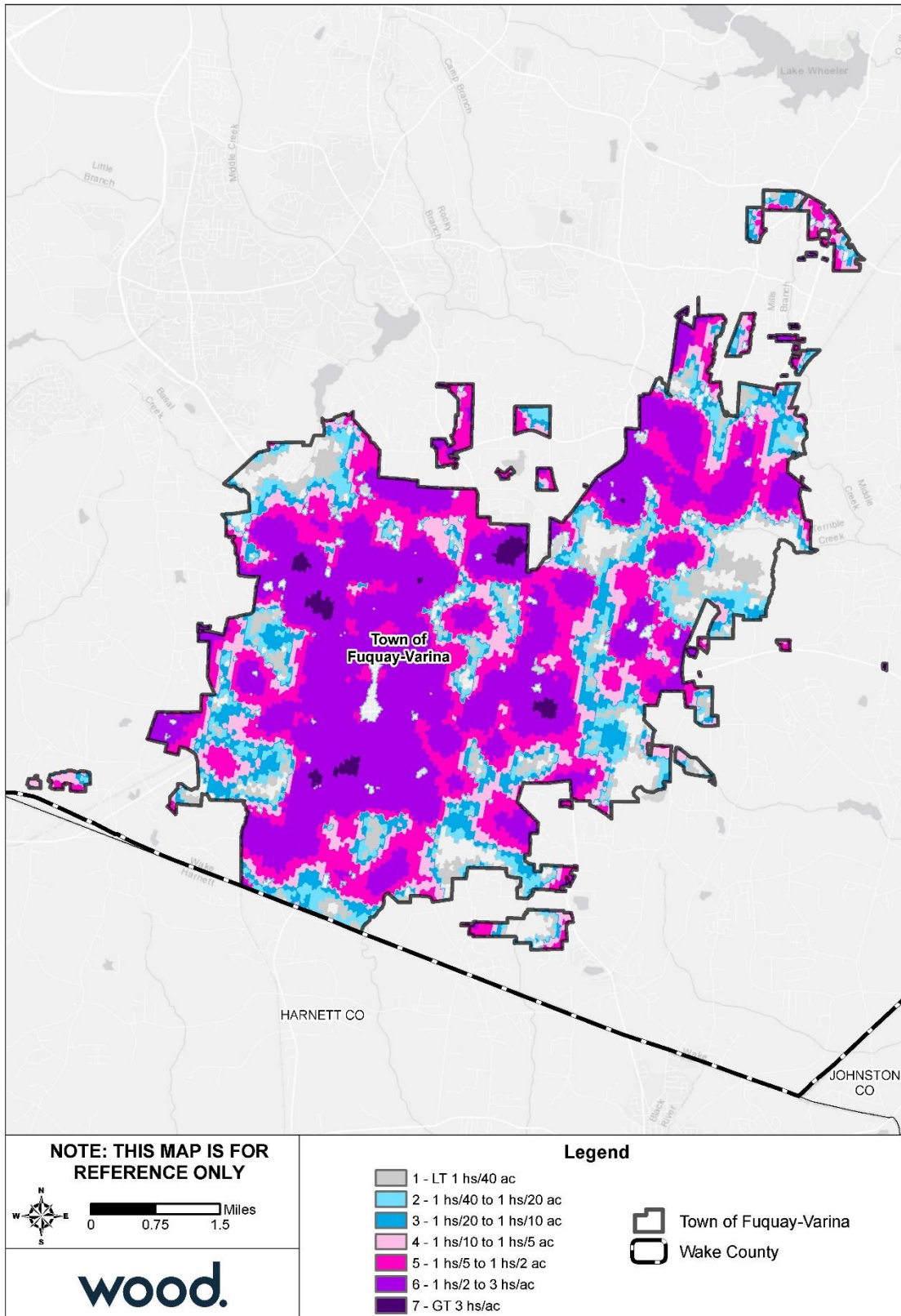
Table E.14 – Critical Facilities Exposed to Wildfire, Town of Fuquay-Varina

Sector	Event	Number of Buildings at Risk	Estimated Damages
Commercial Facilities	Wildfire Hazard	2	\$3,985,087
Critical Manufacturing	Wildfire Hazard	1	\$3,305,808
All Categories	Wildfire Hazard	3	\$7,290,895

Table E.15 – High Potential Loss Properties Exposed to Wildfire, Town of Fuquay-Varina

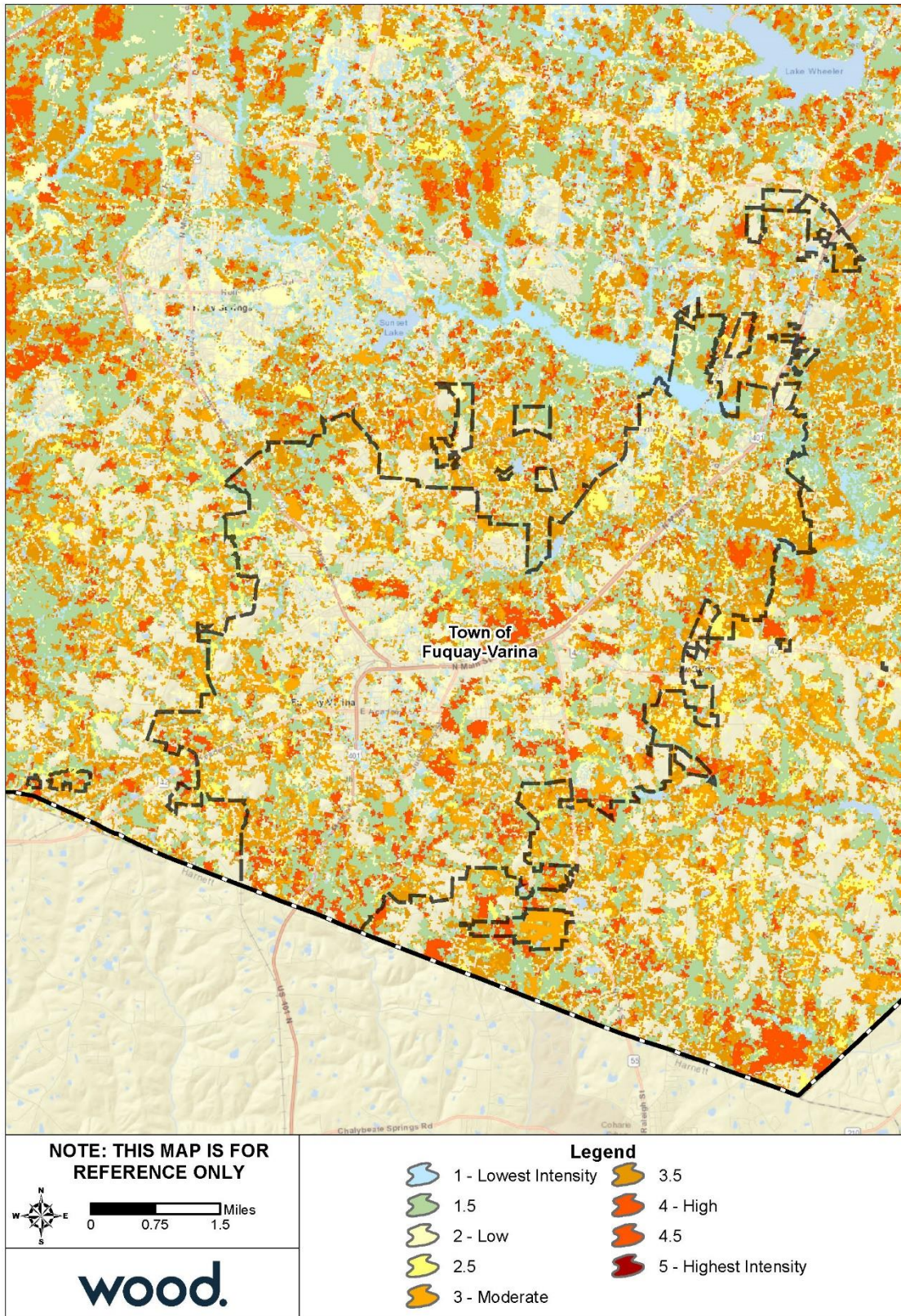
Category	Event	Number of Buildings at Risk	Estimated Damages
Commercial	Wildfire Hazard	1	\$3,321,296
Residential	Wildfire Hazard	2	\$3,915,097
All Categories	Wildfire Hazard	3	\$7,236,393

Figure E.5 – Wildland Urban Interface, Fuquay-Varina



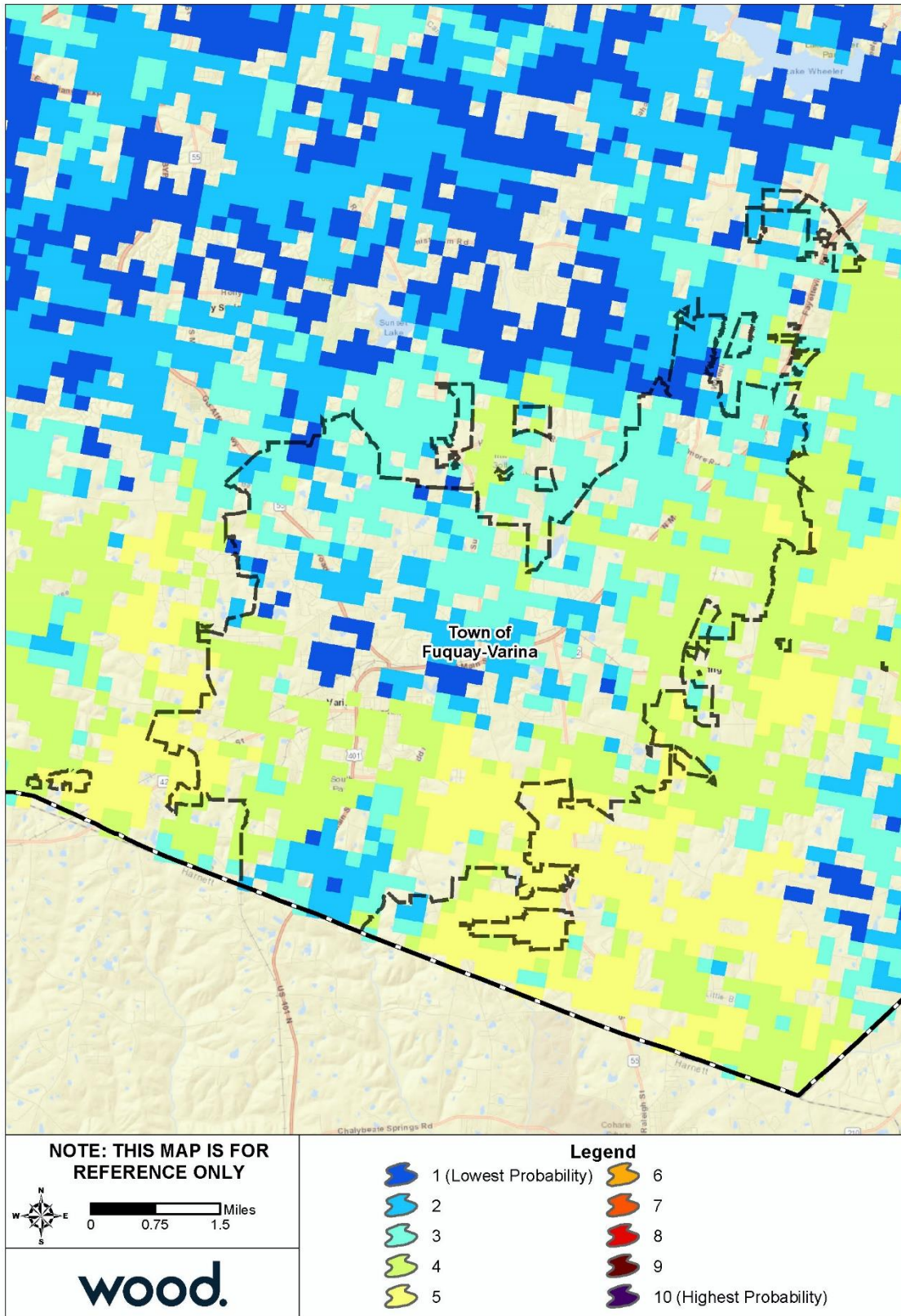
Source: Southern Wildfire Risk Assessment

Figure E.6 – Fire Intensity Scale, Fuquay Varina



Source: Southern Wildfire Risk Assessment

Figure E.7 – Burn Probability, Fuquay Varina



Source: Southern Wildfire Risk Assessment

E.4 CAPABILITY ASSESSMENT

E.4.1 Overall Capability

Details on the tools and resources in place and available to the Town of Fuquay-Varina were provided by the Town’s HMPC representatives and are summarized in Section 5 Capability Assessment. Based on that information and using the scoring methodology detailed in that section, Fuquay-Varina has an overall capability rating of High. The Town’s Self-Assessment of key capability areas is summarized in Table E.16 below.

Table E.16 – Capability Self-Assessment, Fuquay-Varina

Capability Area	Rating
Plans, Ordinances, Codes and Programs	High
Administrative and Technical Capability	High
Fiscal Capability	High
Education and Outreach Capability	High
Mitigation Capability	High
Political Capability	High
Overall Capability	High

E.4.2 Floodplain Management

The Town of Fuquay-Varina joined the NFIP through emergency entry in January 1975 and has been a regular participant since November 1978. The following tables reflect NFIP policy and claims data for the Town categorized by structure type, flood zone, Pre-FIRM and Post-FIRM.

Table E.17 – NFIP Policy and Claims Data by Structure Type

Structure Type	Number of Policies in Force	Total Premium	Insurance in Force	Number of Closed Paid Losses	Total of Closed Paid Losses
Single Family	126	\$49,897	\$34,163,900	3	\$107,051.14
2-4 Family	0	\$0	\$0	0	\$0.00
All Other Residential	0	\$0	\$0	0	\$0.00
Non-Residential	1	\$3,583	\$750,000	0	\$0.00
Total	127	\$53,480	\$34,913,900	3	\$107,051.14

Source: FEMA Community Information System, accessed November 2018

Table E.18 – NFIP Policy and Claims Data by Flood Zone

Flood Zone	Number of Policies in Force	Total Premium	Insurance in Force	Number of Closed Paid Losses	Total of Closed Paid Losses
A01-30 & AE Zones	17	\$12,397	\$3,586,100	2	\$101,268.39
A Zones	0	\$0	\$0	0	\$0.00
AO Zones	0	\$0	\$0	0	\$0.00
AH Zones	0	\$0	\$0	0	\$0.00
AR Zones	0	\$0	\$0	0	\$0.00
A99 Zones	0	\$0	\$0	0	\$0.00
V01-30 & VE Zones	0	\$0	\$0	0	\$0.00
V Zones	0	\$0	\$0	0	\$0.00
D Zones	0	\$0	\$0	0	\$0.00

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Flood Zone	Number of Policies in Force	Total Premium	Insurance in Force	Number of Closed Paid Losses	Total of Closed Paid Losses
B, C & X Zone					
Standard	1	\$127	\$5,800	0	\$0.00
Preferred	109	\$40,956	\$31,322,000	1	\$5,782.75
Total	127	\$53,480	\$34,913,900	3	\$107,051.14

Source: FEMA Community Information System, accessed November 2018

Table E.19 – NFIP Policy and Claims Data Pre-FIRM

Flood Zone	Number of Policies in Force	Total Premium	Insurance in Force	Number of Closed Paid Losses	Total of Closed Paid Losses
A01-30 & AE Zones	4	\$5,225	\$853,500	2	\$101,268.39
A Zones	0	\$0	\$0	0	\$0.00
AO Zones	0	\$0	\$0	0	\$0.00
AH Zones	0	\$0	\$0	0	\$0.00
AR Zones	0	\$0	\$0	0	\$0.00
A99 Zones	0	\$0	\$0	0	\$0.00
V01-30 & VE Zones	0	\$0	\$0	0	\$0.00
V Zones	0	\$0	\$0	0	\$0.00
D Zones	0	\$0	\$0	0	\$0.00
B, C & X Zone	8	\$2,894	\$2,170,000	1	\$5,782.75
Standard	0	\$0	\$0	0	\$0.00
Preferred	8	\$2,894	\$2,170,000	1	\$5,782.75
Total	12	\$8,119	\$3,023,500	3	\$107,051.14

Source: FEMA Community Information System, accessed November 2018

Table E.20 – NFIP Policy and Claims Data Post-FIRM

Flood Zone	Number of Policies in Force	Total Premium	Insurance in Force	Number of Closed Paid Losses	Total of Closed Paid Losses
A01-30 & AE Zones	13	\$7,172	\$2,732,600	0	\$0.00
A Zones	0	\$0	\$0	0	\$0.00
AO Zones	0	\$0	\$0	0	\$0.00
AH Zones	0	\$0	\$0	0	\$0.00
AR Zones	0	\$0	\$0	0	\$0.00
A99 Zones	0	\$0	\$0	0	\$0.00
V01-30 & VE Zones	0	\$0	\$0	0	\$0.00
V Zones	0	\$0	\$0	0	\$0.00
D Zones	0	\$0	\$0	0	\$0.00
B, C & X Zone	102	\$38,189	\$29,157,800	0	\$0.00
Standard	1	\$127	\$5,800	0	\$0.00
Preferred	101	\$38,062	\$29,152,000	0	\$0.00
Total	115	\$45,361	\$31,890,400	0	\$0.00

Source: FEMA Community Information System, accessed November 2018

E.5 MITIGATION STRATEGY

Town of Fuquay-Varina											
Action #	Description	Goal	Objective	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Estimated Cost	Potential Funding Sources	Implementation Schedule	2019 Status	Status Comments/Explanation
Prevention											
P-1	Require pre and post construction certification for residential lot development within 10 feet of Wake County Flood Hazard Soils.	4	1	Flood	Moderate	Fuquay-Varina Planning	Budgeted Staff Time	Annual Budget	Ongoing - Next 5 Years	In-Progress – Carry Forward	Part of permit review process
P-2	Annually calculate acreage of flood prone property preserved as open space.	2	2	Flood, Hurricane	Moderate	Fuquay-Varina Planning	Budgeted Staff Time	Annual Budget	Ongoing - Next 5 Years	In-Progress – Carry Forward	Part of an annual report
P-3	Map storm water drainage system as part of Phase II Stormwater Management Plan.	2	2	Flood	High	Fuquay-Varina Engineering	Budgeted Staff Time	Annual Budget	Ongoing - Next 5 Years	In-Progress – Carry Forward	Part of infrastructure acceptance / ongoing project to work on historical data inclusion
P-4	Provide for public dissemination building inspections brochures regarding high winds, water damage prevention, and tie downs for accessory structures.	1	1	Flood, Tornado, Hurricane, Severe Weather	Moderate	Fuquay-Varina Inspections	Budgeted Staff Time	Annual Budget	Ongoing - Next 5 Years	In-Progress – Carry Forward	Brochures continuously made available to public at Town Hall
P-5	Review and update of drought policy for water conservation	2	2	Drought	High	Fuquay-Varina Planning	Budgeted Staff Time	Annual Budget	3-5 years	New	N/A
P-6	Review and update requirements for mast arms to be installed over strain poles	3	2	Severe Weather, Severe Winter Storm, Hurricane, Tornado	Moderate	Fuquay-Varina Planning	Budgeted Staff Time	Annual Budget	3-5 years	New	N/A
P-7	Review and update the 2014 Comprehensive Systemwide Parks, Recreation & Cultural Resources Master Plan for inclusion of hazard safety information at facilities	4	2	Flood, Earthquake, Extreme Heat, Severe Weather, Tornado	High	Fuquay-Varina Planning and Parks, Recreation, & Cultural Resources	Budgeted Staff Time	Annual Budget	3-5 years	New	N/A
Property Protection											
PP-1	Continue to enforce the Flood Damage Prevention Ordinance for all new construction or substantial building rehabilitations.	4	1	Flood, Hurricane	High	Fuquay-Varina Planning	Budgeted Staff Time	Annual Budget	Ongoing - Next 5 Years	In-Progress – Carry Forward	Part of development and permit review process
PP-2	Require minimum finished floor elevation in known FEMA flood hazard zones be minimum 2' above base flood elevation.	4	1	Flood, Hurricane	High	Fuquay-Varina Planning and Inspections	Budgeted Staff Time	Annual Budget	Ongoing - Next 5 Years	In-Progress – Carry Forward	Part of development and permit review process
PP-3	Identify and inventory buildings that are located in FEMA flood zones to determine which structures may be prone to flooding (possible relocation and/or elevation).	3	1	Flood, Hurricane	High	Fuquay-Varina Planning and Engineering	Budgeted Staff Time	Annual Budget	Ongoing - Next 5 Years	In-Progress – Carry Forward	We reference the Dept of Public Safety's report
Natural Resource Protection											
NRP-1	Work with the U.S. Army Corps of Engineers on wetland protection.	4	1	Flood, Hurricane	Moderate	Fuquay-Varina Planning	Budgeted Staff Time	Annual Budget	Ongoing - Next 5 Years	In-Progress – Carry Forward	Part of development and permit review process
NRP-2	Use Open Space Ordinance to protect wildlife habitat.	4	1	All	Moderate	Fuquay-Varina Planning	Budgeted Staff Time	Annual Budget	Ongoing - Next 5 Years	In-Progress – Carry Forward	Part of development and permit review process
NRP-3	Notify Wake County of any illegal stream dumping instances	3	1	Flood, Dam Failure, Hurricane	Moderate	Fuquay-Varina Planning and Public Utilities	Budgeted Staff Time	Annual Budget	Ongoing - Next 5 Years	In-Progress – Carry Forward	Continued function of normal operation
NRP-4	Enforce standards for tree protection and control of clear cutting (Town has received legislative authority to enact tree protection and control of clearcutting standards.)	4	1	Flood, Wildfire, Landslide	High	Fuquay-Varina Planning	Budgeted Staff Time	Annual Budget	Ongoing - Next 5 Years	In-Progress – Carry Forward	Part of development and permit review process
NRP-5	Install low flow/high efficiency toilets at new town hall	3	1	Drought	Low	All Departments	To Be Determined	Annual Budget	1 year	New	N/A
Structural Projects											
S-1	Install a generator at the new town hall	3	1	All	High	All Departments	To Be Determined	Annual Budget	1 year	New	N/A
S-2	Install security cameras on new town hall	3	1	Terrorism	High	All Departments	To Be Determined	Annual Budget	1 year	New	N/A
Emergency Services											
ES-1	Maintain current warning system with local sirens on elevated platforms and use of the Emergency Broadcast System.	1	2	All	High	Fuquay-Varina Planning, Fire and Police	Budgeted Staff Time	Annual Budget	Ongoing - Next 5 Years	In-Progress – Carry Forward	Continued function of normal operation

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Town of Fuquay-Varina											
Action #	Description	Goal	Objective	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Estimated Cost	Potential Funding Sources	Implementation Schedule	2019 Status	Status Comments/Explanation
ES-2	Coordinate an incident command course for all Town employees, related to Emergency Operations Plan and Disaster Operations Plan for the Town.	2	1	All	Moderate	Fuquay-Varina Fire and Police	Budgeted Staff Time	Annual Budget	Ongoing - Next 5 Years	In-Progress – Carry Forward	Lack of staffing has prevented implementation
ES-3	Conduct a scenario-based training exercise, related to Emergency Operations Plan and Disaster Operations Plan for the Town.	2	1	All	Moderate	Fuquay-Varina Fire and Police	Budgeted Staff Time	Annual Budget	Ongoing - Next 5 Years	In-Progress – Carry Forward	Lack of staffing has prevented implementation
ES-4	Assist Wake County Emergency Management with updating list of local hazardous materials sites.	2	1	Hazardous Materials Incident, Radiological Emergency	Moderate	Fuquay-Varina Fire and Wake County Emergency Management	Budgeted Staff Time	Annual Budget	Ongoing - Next 5 Years	In-Progress – Carry Forward	Continued function of normal operation
ES-5	Continue Pre-Fire Incident Plan program for all commercial facilities within the Town limits.	3	2	All	High	Fuquay-Varina Fire	Budgeted Staff Time	Annual Budget	Ongoing - Next 5 Years	In-Progress – Carry Forward	Continued function of normal operation
ES-6	Address securing and cleaning up affected hazardous areas when revising Disaster Operations Plan.	4	2	All	High	Fuquay-Varina Planning, Fire and Police	Budgeted Staff Time	Annual Budget	Ongoing - Next 5 Years	In-Progress – Carry Forward	Continued function of normal operation
ES-7	Continue to evaluate and improve response and recovery methods following each hazard event.	2	2	All	High	Fuquay-Varina Fire and Police	Budgeted Staff Time	Annual Budget	Ongoing - Next 5 Years	In-Progress – Carry Forward	Continued function of normal operation
ES-8	Finalize implementation of new/updated radio communication equipment.	2	1	All	Moderate	Fuquay-Varina Fire and Police	\$55,000	Annual Budget	Ongoing - Next 5 Years	In-Progress – Carry Forward	Police Department's portion completed. Fire Department anticipated completion, June 2019
Public Education and Awareness											
PEA-1	Maintain floodplain maps for public use and produce other maps as needed.	1	1	Flood, Hurricane	Moderate	Fuquay-Varina Planning and Engineering	Budgeted Staff Time	Annual Budget	Ongoing - Next 5 Years	In-Progress – Carry Forward	Continued function of normal operation
PEA-2	Develop and maintain a hazard mitigation section on the Town website that is updated every 5 years as the plan is updated.	1	1	All	High	Fuquay-Varina Public Information and Information Technology	Budgeted Staff Time	Annual Budget	Ongoing - Next 5 Years	In-Progress – Carry Forward	Continued function of normal operation
PEA-3	Collect educational materials on disaster preparedness and display at public library and local government offices.	1	1	All	High	Fuquay-Varina Planning, Inspections, Police, and Fire	Budgeted Staff Time	Annual Budget	Ongoing - Next 5 Years	In-Progress – Carry Forward	Lack of staffing has prevented implementation
PEA-4	Educate public on importance of channel maintenance as part of Phase II Stormwater Management Plan.	1	1	Flood, Dam Failure, Hurricane	Moderate	Fuquay-Varina Engineering	Budgeted Staff Time	Annual Budget	Ongoing - Next 5 Years	In-Progress – Carry Forward	Continued function of normal operation
PEA-5	Work with local real estate agents to ensure that potential buyers are aware of properties that are exposed to potential flood damage.	1	1	Flood, Dam Failure, Hurricane	Moderate	Fuquay-Varina Planning	Budgeted Staff Time	Annual Budget	Ongoing - Next 5 Years	In-Progress – Carry Forward	Continued function of normal operation
PEA-6	Require delineation of Wake County Flood Hazard Soils, FEMA flood zones, and wetlands on final plats.	3	2	Flood, Dam Failure, Hurricane	Moderate	Fuquay-Varina Planning	Budgeted Staff Time	Annual Budget	Ongoing - Next 5 Years	In-Progress – Carry Forward	Part of development and permit review process
PEA-7	Annual participation in Severe Weather Preparedness Week (March 3-9) via Weather Channel (social media campaign, newsletter, published materials)	1	1	All	High	Fuquay Varina Planning and Public Information	Budgeted Staff Time	Annual Budget	Ongoing - Next 5 Years	New	N/A
PEA-8	Annual participation in National Preparedness Month (September) Ready.gov (social media campaign, newsletter, published materials)	1	1	All	High	Fuquay Varina Planning and Public Information	Budgeted Staff Time	Annual Budget	Ongoing - Next 5 Years	New	N/A
PEA-9	Annual participation in Hurricane Prep Week (May 13-19) ReadyNC.gov (social media campaign, newsletter, published materials)	1	1	Flood, Landslide, Hurricane	High	Fuquay Varina Planning and Public Information	Budgeted Staff Time	Annual Budget	Ongoing - Next 5 Years	New	N/A
PEA-10	Annual participation in Earthquake Awareness Month and National Earthquake Drill (February & October) Ready.gov (social media campaign, newsletter, published materials)	1	1	Earthquake	High	Fuquay Varina Planning and Public Information	Budgeted Staff Time	Annual Budget	Ongoing - Next 5 Years	New	N/A
PEA-11	Annual participation in National Dam Safety Awareness Day (May 31) Ready.gov (social media campaign, newsletter, published materials)	1	1	Dam Failure	High	Fuquay Varina Planning and Public Information	Budgeted Staff Time	Annual Budget	Ongoing - Next 5 Years	New	N/A
PEA-12	Structured public education through social media, brochures, and flyers in critical facilities	1	1	All	High	Fuquay Varina Planning, Fire & Police, and Public Information	Budgeted Staff Time	Annual Budget	Ongoing - Next 5 Years	New	N/A