

APPENDIX G – TOWN OF FARMVILLE

Hazard Rankings

Status of Mitigation Actions

Building Permit Data

Future Land Use Map

Critical Facilities Map

Flood Zone Maps

NFIP Survey Results

Hazard Rankings – Farmville (From Qualitative Assessment and Local Input)

Hazard	Likelihood	Spatial Extent	Potential Impact	HAZARD RATING
Hurricanes and Tropical Storms	2	2	2	6
Flood	2	2	2	6
Winter Storms	2	2	2	6
Drought	1	3	1	5
Earthquakes	1	2	1	4
Severe Thunderstorms and Tornadoes	1	1	1	3
Erosion	1	1	1	3
Wildfire	1	1	1	3
Dam/Levee Failure	0	1	1	2
Landslides	0	1	1	2
Sinkholes	0	1	1	2

Hazard rankings are based on a qualitative assessment, as described below. The values assigned for each option chosen are added together for each hazard to arrive at a total score.

	Assigned Value	Definition
Likelihood of Occurrence		
Highly Likely	3	Near 100% annual probability
Likely	2	Between 10 and 100% annual probability
Possible	1	Between 1 and 10% annual probability
Unlikely	0	Less than 1% annual probability
Spatial Extent		
Large	3	More than 50% of area affected
Moderate	2	Between 10 and 50% of area affected
Small	1	Less than 10% of area affected
Potential Impact		
Catastrophic	4	High number of deaths/injuries possible. More than 50% of property in affected area damaged or destroyed. Complete shutdown of facilities for 30 days or more.
Critical	3	Multiple deaths/injuries possible. More than 25% of property in affected area damaged or destroyed. Complete shutdown of facilities for more than one week.
Limited	2	Minor injuries only. More than 10% of property in affected area damaged or destroyed. Complete shutdown of facilities for more than one day.
Minor	1	Very few injuries, if any. Only minor property damage and minimal disruption on quality of life. Temporary shutdown of facilities.

Detailed Information/Status of Local Mitigation Actions
(includes detailed data for each action, as requested by FEMA)

Farmville Mitigation Action 1	Ask Virginia Power to cut trees over or near power lines during the summer to prevent loss of electricity during winter storms or heavy rain and wind events.	
Category:	Prevention	
Hazard(s) Addressed:	Multiple	
Priority (High, Moderate, Low):	High	
Estimated Cost:	N/A – Virginia Power would have some equipment and man-hours costs, may ask Town to help cover those costs	
Potential Funding Sources:	N/A	
Lead Agency/Department Responsible:	Town, Virginia Power	
Implementation Schedule:	Short term	
Status: Ongoing		

Farmville Mitigation Action 2	Construction of salt bin for storing salt for winter storms.	
Category:	Emergency Services, Prevention	
Hazard(s) Addressed:	Winter Storms	
Priority (High, Moderate, Low):	High/Moderate	
Estimated Cost:	Unknown at this time	
Potential Funding Sources:	Town would seek grants if high cost	
Lead Agency/Department Responsible:	Town/Public Works	
Implementation Schedule:	Dependant on availability of funding	
Status: Seeking funding		

Farmville Mitigation Action 3	Construction of pipeline to alternate water source to be used during drought conditions.	
Category:	Structural Projects	
Hazard(s) Addressed:	Drought	
Priority (High, Moderate, Low):	Moderate/High	
Estimated Cost:	Between \$1,000,000 and \$4,000,000 depending on size	
Potential Funding Sources:	Would likely seek grant funding to help offset cost/maybe issue bonds	
Lead Agency/Department Responsible:	Town, possibly with County	
Implementation Schedule:	Dependant on availability of funding	
Status: Ongoing		

Farmville Mitigation Action 4	Acquisition and removal of remaining homes in floodplain areas in the North Virginia Street, South Virginia Street, North Bridge Street, Plank Road, West Third Street, Georgia Street, and East Osborne Street areas.
Category:	Structural Projects
Hazard(s) Addressed:	Flood
Priority (High, Moderate, Low):	Moderate
Estimated Cost:	\$500,000 +/-
Potential Funding Sources:	FEMA – Hazard Mitigation Grant Program (HMGP), Pre-Disaster Mitigation Program (PDM), Flood Mitigation Assistance Program (FMA)
Lead Agency/Department Responsible:	Town
Implementation Schedule:	Dependant on availability of funding
Status: Ongoing	

Farmville Mitigation Action 5	Advertise and promote the availability of flood insurance.
Category:	Prevention/Property Protection/Public Education and Awareness
Hazard(s) Addressed:	Flood
Priority (High, Moderate, Low):	Moderate
Estimated Cost:	Minimal – Cost of brochures, advertising
Potential Funding Sources:	N/A
Lead Agency/Department Responsible:	Town
Implementation Schedule:	Short term
Status: Ongoing	

Farmville Mitigation Action 6	Routinely prune trees and clear tree limbs hanging in right-of-way.
Category:	Prevention
Hazard(s) Addressed:	Hurricane/Tornado/Wind
Priority (High, Moderate, Low):	Moderate
Estimated Cost:	Minimal or none if just in addition to normal duties
Potential Funding Sources:	N/A
Lead Agency/Department Responsible:	Town Public Works
Implementation Schedule:	Short term
Status: Ongoing	

Farmville Mitigation Action 7	Encourage residents to keep storm drains clear of debris during storms (not to rely solely on Public Works).
Category:	Prevention/Public Information and Awareness
Hazard(s) Addressed:	Flood
Priority (High, Moderate, Low):	Moderate
Estimated Cost:	Minimal or none
Potential Funding Sources:	N/A
Lead Agency/Department Responsible:	Town
Implementation Schedule:	Short term
Status: Ongoing	

Farmville Mitigation Action 8	Update Regional (Farmville/Prince Edward) Water Supply Plan and Town drought ordinance.
Category:	Prevention
Hazard(s) Addressed:	Drought
Priority (High, Moderate, Low):	High
Estimated Cost:	Minimal
Potential Funding Sources:	N/A
Lead Agency/Department Responsible:	Town/VDEQ
Implementation Schedule:	Short term
Status: Ongoing (will be updated by 2018)	

Farmville Mitigation Action 9	Complete and maintain FEMA elevation certificates for all new/improved buildings in the floodplain.
Category:	Property Protection
Hazard(s) Addressed:	Flood
Priority (High, Moderate, Low):	Moderate
Estimated Cost:	None
Potential Funding Sources:	N/A
Lead Agency/Department Responsible:	Town
Implementation Schedule:	Dependant on availability of funding
Status: Ongoing, done as needed	

Farmville Mitigation Action 10	Require more trees to be preserved/planted in landscape designs to reduce the amount of storm water runoff.	
Category:	Prevention	
Hazard(s) Addressed:	Flood	
Priority (High, Moderate, Low):	Moderate	
Estimated Cost:	Minimal – Could be a change to ordinances	
Potential Funding Sources:	N/A	
Lead Agency/Department Responsible:	Town	
Implementation Schedule:	Short term	
Status: Ongoing, ordinance completed		

Farmville Mitigation Action 11	Routinely inspect the functioning of fire hydrants.	
Category:	Prevention	
Hazard(s) Addressed:	Fire	
Priority (High, Moderate, Low):	Moderate	
Estimated Cost:	Minimal – Could be added to routine maintenance	
Potential Funding Sources:	N/A	
Lead Agency/Department Responsible:	Town/Fire Department	
Implementation Schedule:	Short term	
Status: Ongoing		

Farmville Mitigation Action 12	Routinely clean and repair storm water drains.	
Category:	Prevention	
Hazard(s) Addressed:	Flood	
Priority (High, Moderate, Low):	Moderate	
Estimated Cost:	Minimal – could be added to routine inspections.	
Potential Funding Sources:	N/A	
Lead Agency/Department Responsible:	Town Public Works Department	
Implementation Schedule:	Short term	
Status: Ongoing		

Farmville Mitigation Action 13	Routinely clean debris from support bracing underneath low-lying bridges.
Category:	Prevention
Hazard(s) Addressed:	Flood
Priority (High, Moderate, Low):	Moderate
Estimated Cost:	May be minimal or none, if added to routine maintenance
Potential Funding Sources:	N/A
Lead Agency/Department Responsible:	Town Public Works Department and/or VDOT
Implementation Schedule:	Short term
Status: Ongoing	

Farmville Mitigation Action 14	Install quick-connect emergency generator hook-ups for critical facilities, including raw water intake and booster station.
Category:	Prevention
Hazard(s) Addressed:	Multiple
Priority (High, Moderate, Low):	Moderate/High
Estimated Cost:	\$39,000 (estimated cost of wiring and connections for four – 4 – LP generators)
Potential Funding Sources:	Grant funding, plus local cash
Lead Agency/Department Responsible:	Town Utilities Operator/Emergency Services
Implementation Schedule:	Short term, dependant on availability of funding
Status: Completed. Quick-connect hook-ups installed at Water Treatment Plant in 2015.	

The Town added one (1) new mitigation action, as noted below

Farmville New Mitigation Action	Generator hook-up and cots for Farmville's Fireman's Sports Arena for emergency shelter.
Category:	Emergency Services
Hazard(s) Addressed:	Flood, hurricanes, tropical storms, severe thunderstorms, tornadoes, wildfires, drought, winter storms, and earthquakes
Priority (High, Moderate, Low):	Moderate
Estimated Cost:	\$50,000
Potential Funding Sources:	VDEM/FEMA
Lead Agency/Department Responsible:	Town
Implementation Schedule:	Dependent on availability of funding
Status: Not completed, awaiting funding opportunity to make application	

The Town chose to remove one (1) mitigation action, as listed below.

Farmville Mitigation Action	Annually notify owners of repetitive loss properties of FMA funding.	
Category:	Property Protection	
Hazard(s) Addressed:	Flood	
Priority (High, Moderate, Low):	Moderate	
Estimated Cost:	Probably minimal	
Potential Funding Sources:	N/A	
Lead Agency/Department Responsible:	Town Council	
Implementation Schedule:	Dependent on availability of funding, cost	
Removed – deemed unnecessary, as the Town is working to acquire and remove remaining homes in floodplain areas.		

Mitigation actions previously completed per 2012 Plan update:

Farmville Mitigation Action	Purchase of generator for Town's fueling system. This fueling system serves our Fire, EMS, Public Works and Police vehicles.	
Category:	Emergency Services	
Hazard(s) Addressed:	Multiple	
Priority (High, Moderate, Low):	High	
Estimated Cost:	\$6,000	
Potential Funding Sources:	Town revenue or grant, depending on how many	
Lead Agency/Department Responsible:	Town Office/Public Works	
Implementation Schedule:	Dependent on availability of funding	
Status: Completed		

Farmville Mitigation Action	Develop regional (Farmville/Prince Edward) water supply plan and Town drought ordinance.	
Category:	Prevention	
Hazard(s) Addressed:	Drought	
Priority (High, Moderate, Low):	High	
Estimated Cost:	Minimal	
Potential Funding Sources:	N/A	
Lead Agency/Department Responsible:	Town	
Implementation Schedule:	Short term	
Status: Completed		

Farmville Mitigation Action	Update Flood Insurance Rate Maps.
Category:	Property Protection
Hazard(s) Addressed:	Flood
Priority (High, Moderate, Low):	Moderate
Estimated Cost:	Expected to be minimal (???)
Potential Funding Sources:	N/A
Lead Agency/Department Responsible:	Town Council, possibly with assistance from VDE, FEMA, CRC
Implementation Schedule:	Short term
Status: <i>Completed</i>. Flood maps were recently updated by FEMA.	

Building Permit Data – Town of Farmville

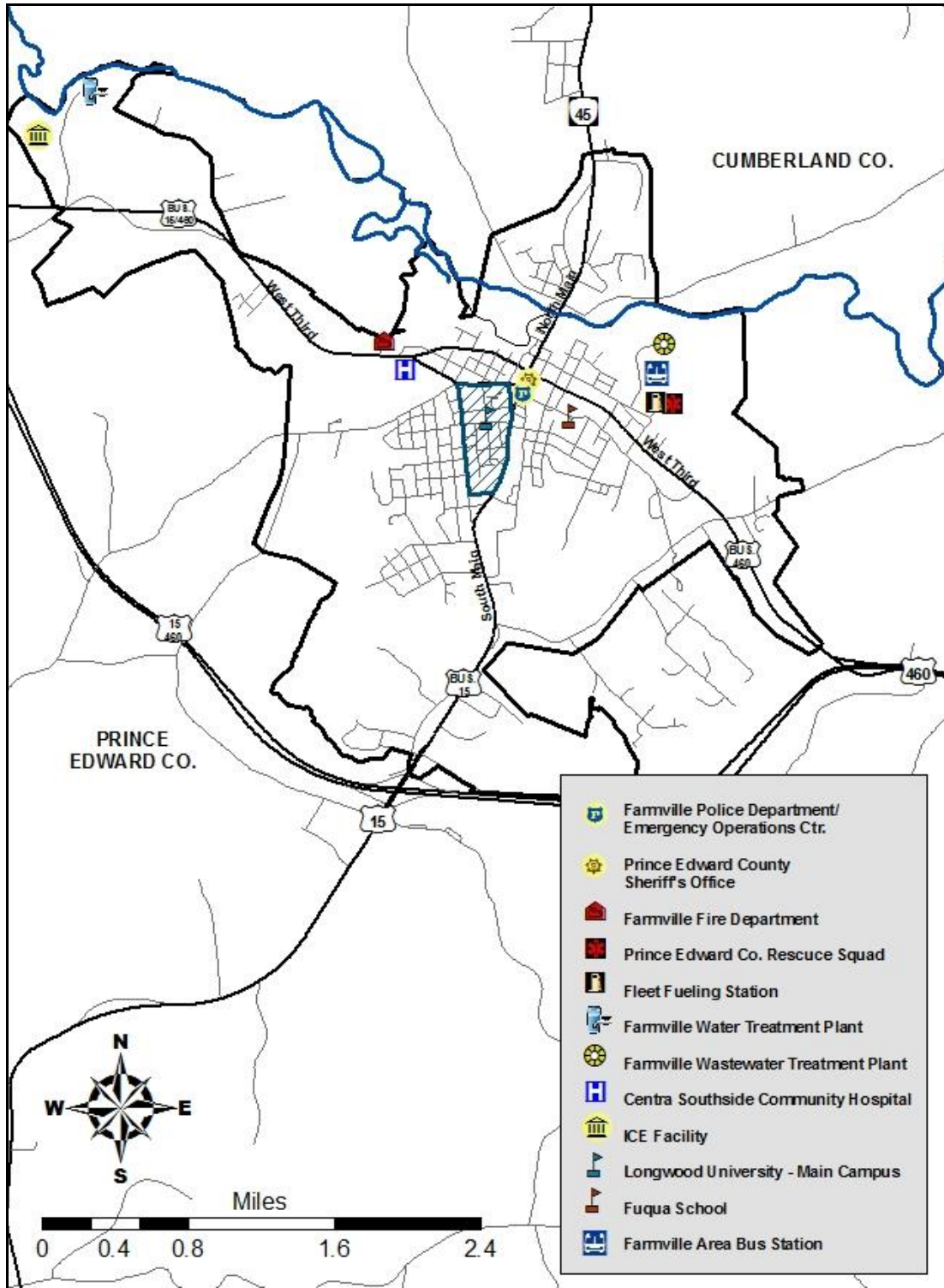
Year	Residential Permits Issued	Commercial Permits Issued
1991	129	64
1992	125	45
1993	191	83
1994	183	95
1995	189	86
1996	221	132
1997	216	93
1998	190	110
1999	182	104
2000	186	95
2001	146	71
2002	145	77
2003	152	111
2004	140	92
2005	136	129
2006	240	131
2007	236	150
2008	191	144
2009	111	114
2010	387 total (breakdown not available)	
2011	387 total (breakdown not available)	
2012	244 total (breakdown not available)	
2013	153	109
2014	106	123
2015	119	83

Town of Farmville Future Land Use Map



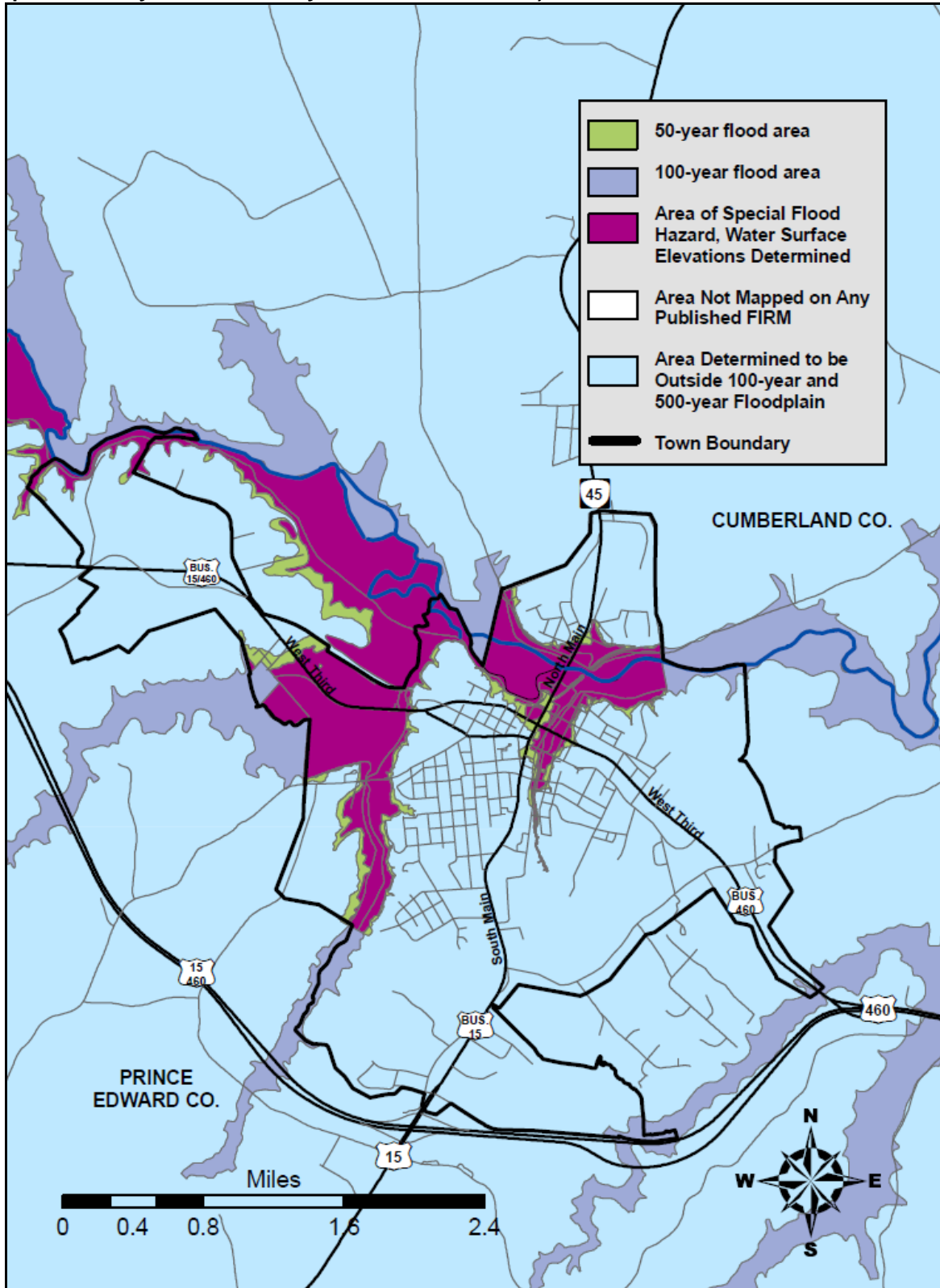
Source: Ashley Atkins/Town of Farmville

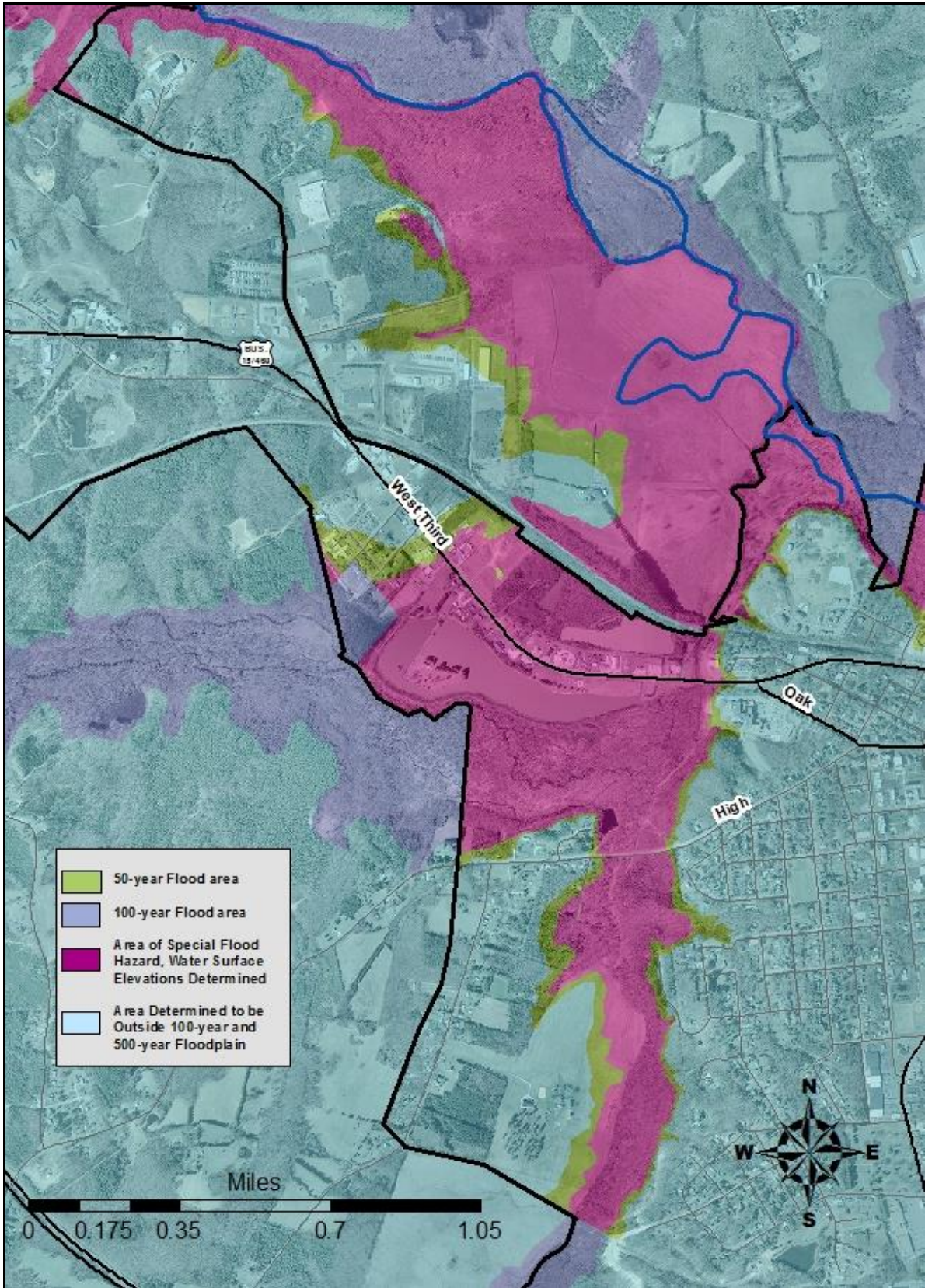
Town of Farmville Critical Facilities Map

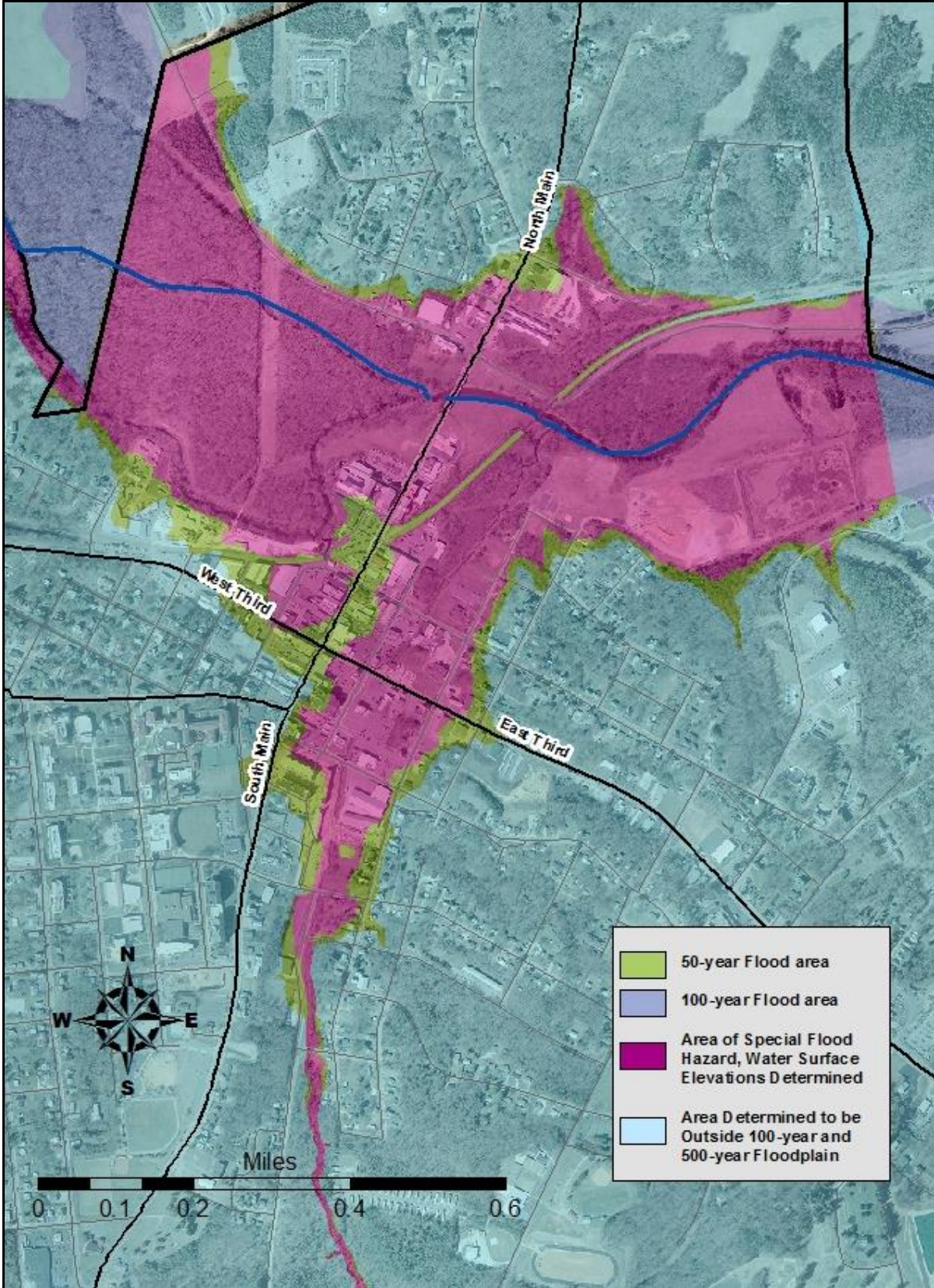


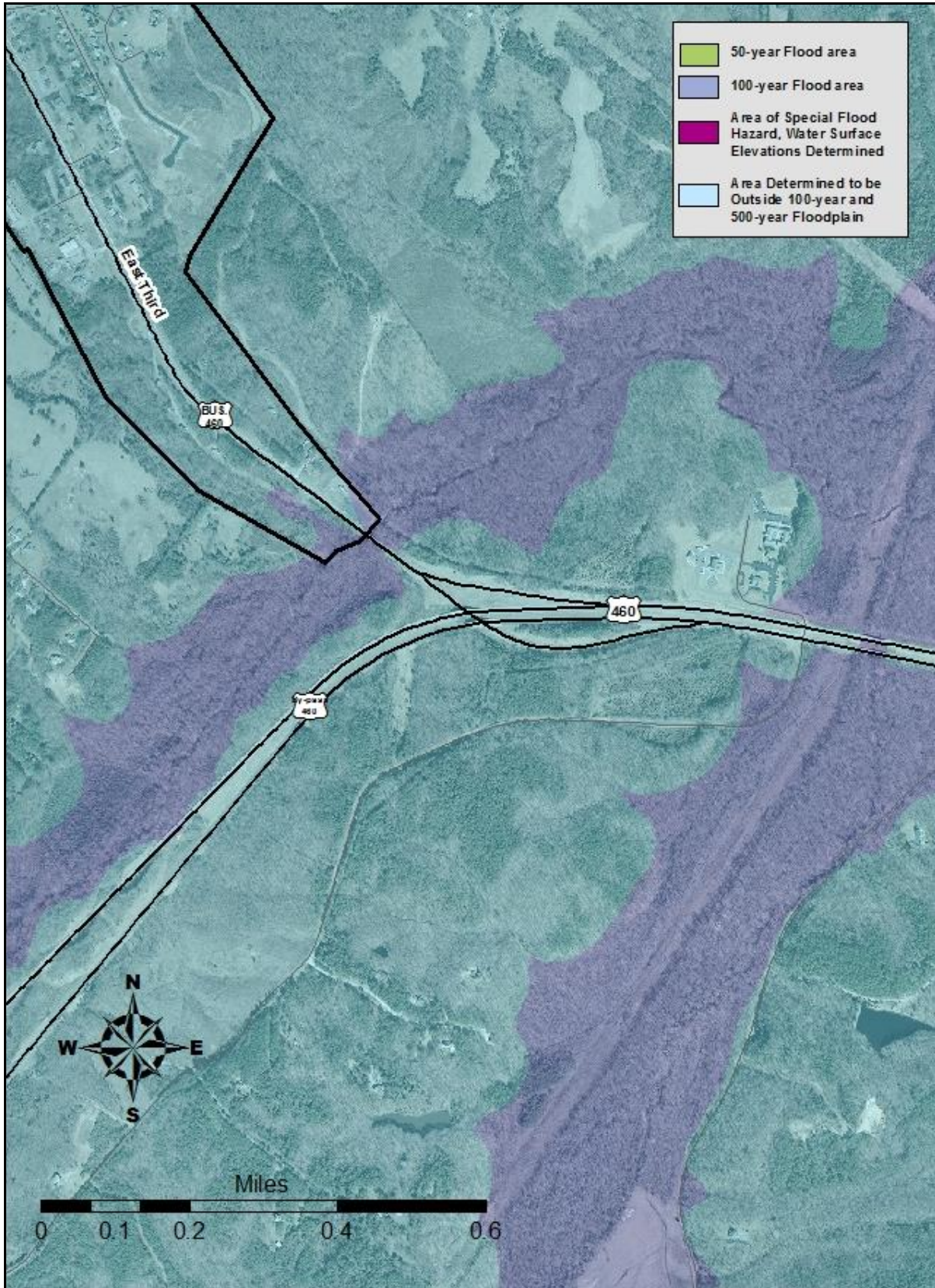
Map created by CRC – February 2011 (updated June 2016)
Source: Town of Farmville

Town of Farmville Flood Zone Maps
(maps created by CRC – February 2011. Source - FEMA)









NFIP Survey Results

NATIONAL FLOOD INSURANCE PROGRAM (NFIP) SURVEY

MUNICIPALITY: TOWN OF FARMVILLE

1. FLOODPLAIN IDENTIFICATION AND MAPPING			
Requirement	Recommended Action	Yes/No	Comments
a. Does the municipality maintain accessible copies of an effective Flood Insurance Rate Map (FIRM)/Digital Flood Insurance Rate Map (DFIRM)? Does the municipality maintain accessible copies of the most recent Flood Insurance Study (FIS)?	Place these documents in the local libraries or make available publicly.	Yes	Available in the Floodplain Manager's office and will provided online from Town's website in the near future.
b. Has the municipality adopted the most current DFIRM/FIRM and FIS?	State the date of adoption, if approved.	Yes	August 12, 2009
c. Does the municipality support request for map updates?	If yes, state how.	Yes	Through a variety of avenues (in house information, complete appropriate sections of LOMA)
d. Does the municipality share with Federal Emergency Management Agency (FEMA) any new technical or scientific data that could result in map revisions within 6 months of creation or identification of new data?	If yes, specify how.	No	If the Town were to receive such data it would certainly be shared with FEMA, however this has not yet occurred.
e. Does the municipality provide assistance with local floodplain determinations?	If yes, specify how.	Yes	Provide in house information
f. Does the municipality maintain a record of approved Letters of Map Change?	If yes, specify the responsible office.	Yes	Floodplain Manager's Office

2. FLOODPLAIN MANAGEMENT			
Requirement	Recommended Action	Yes/No	Comments
a. Has the municipality adopted a compliant floodplain management ordinance that, at a minimum, regulates the following:	If yes, answer questions (1) through (4) below.	Yes	
(1) Does the municipality issue permits for all proposed development in the Special Flood Hazard Areas (SFHAs)?	If yes, specify the office responsible.	Yes	Per Floodplain Manager's review and signature on all building permit checklists.
(2) Does the municipality obtain, review, and utilize any Base Flood Elevation (BFE) and floodway data, and/or require BFE data for subdivision proposals and other development proposals larger than 50 lots or 5 acres?	If yes, specify the office responsible.	Yes	Required for <u>all</u> subdivision proposals.
(3) Does the municipality identify measures to keep all new and substantially improved construction reasonably safe from flooding to or above the BFE, including anchoring, using flood-resistant materials, and designing or locating utilities and service facilities to prevent water damage?	If yes, specify the office responsible.	Yes	The Floodplain Manager does this through coordination with the Building Official.
(4) Does the municipality document and maintain records of elevation data that document lowest floor elevation for new or substantially improved structures?	If yes, specify the office responsible.	Yes	Floodplain Manager's Office
b. If a compliant floodplain ordinance was adopted, does the municipality enforce the ordinance by monitoring compliance and taking remedial action to correct violations?	If yes, specify how.	Yes	Through onsite visits by the Building Official

2. FLOODPLAIN MANAGEMENT

<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
<p>c. Has the municipality considered adopting activities that extend beyond the minimum requirements? Examples include:</p> <ul style="list-style-type: none"> • Participation in the Community Rating System • Prohibition of production or storage of chemicals in SFHA • Prohibition of certain types of structures, such as hospitals, nursing homes, and jails in SFHA • Prohibition of certain types of residential housing (manufactured homes) in SFHA • Floodplain ordinances that prohibit any new residential or nonresidential structures in SFHA 	If yes, specify activities.	Yes	The Town has considered participating in CRS, prohibition of storage of chemicals and certain types of structures.

3. FLOOD INSURANCE

<i>Requirement</i>	<i>Recommended Action</i>	<i>Yes/No</i>	<i>Comments</i>
a. Does the municipality educate community members about the availability and value of flood insurance?	If yes, specify how.	Yes	Only on an inquiry basis
b. Does the municipality inform community property owners about changes to the DFIRM/FIRM that would impact their insurance rates?	If yes, specify how.	Yes	Notify affected property owners
c. Does the municipality provide general assistance to community members regarding insurance issues?	If yes, specify how.	Yes	Provide general assistance and strongly encourage mitigation measures that can save on property owner's premiums.