# APPENDIX A

# PARTICIPATION ITEMS

# Bibb County Participation Items

**BIBB COUNTY**
**DIVISION C HAZARD MITIGATION PLAN UPDATE**
**MEETING 1**
January 23, 2020 1:30 p.m. Bibb County Commission Building

AGENDA

I. Review of new Division C Hazard Mitigation Plan and process

II. Overview: Plan Update Worksheet elements
View draft online at www.atrcdevelopment.net

III. Update Critical Facilities Inventory and Capacity Assessment

IV. Review of Mitigation Strategies
Update Mitigation Actions by jurisdiction

V. Next steps:
**Meeting 2 – February 27, 2020 1:30 p.m./ Bibb County Commission Building**

.

# BIBB COUNTY

Division C Hazard Mitigation Planning Meeting Sign-In Sheet

Thursday, January 23, 2020 1:30 p.m.

Bibb County Commission Building, Centreville, AL

**PLEASE PRINT**

| Name | Agency/Title | Phone/Fax | Email |
|---|---|---|---|
| | Brent | 205-926 4643 | |
| David Tucker | UTILITY | 205-926-6061 | brentutilities@bellsouth.net |
| | Brent | 205-926-4643 | |
| Wade Snipes | Utility | FAX 205-926-6061 | brentutilities@bellsouth.net |
| | Brent | | |
| Bobbie White | Mayor-Brent | (205) 955-4423 | Mayor@cityofbrental.com |
| | City Clerk | 205-926-4643 | |
| Rosalyn Adams | Brent | | cityofbrent@bellsouth.net |
| | Centreville PD | 205 926 5052 | |
| Rodney Smith | Chief | 926 5515 | cpdrls105@gmail.com. |
| | Brent P.D | | |
| Terry Nichols | Chief | 205 926-4647 | brntpd@bellsouth.net |
| | BIBB EMA | 205 926-0092 | bibbema@bibbal.com. |
| Kirk Smith | Director | | |
| | Bibb Co. ADPH-EP | 205 554-4539 | tommy.dockery@alphistate.al.us |
| Tommy Dockery | Director | | |
| | Bibb Co S.O. | 205 926 4683 | rprice@bibbcosoal.org |
| Rusty Price | Lt | 205 926 3110 | ~~@att.com~~ |
| | West Blocton | 205-938-7600 | cpl703@yahoo.com |
| James Cronen | P.D. Chief | ~~205-316-1254~~ | |
| Robert Hollifield | Pound | 205 316-1254 | bbpound@gmail.com |
| | | | |
| | Bibb County | (205) 926-3111 | |
| Jeff McKinney | Engineer | (205) 926-3133 | jeffmckinney@bellsouth.net |
| | Mayor | | |
| Terry Morton | Centreville | 205-316-8818 | trelic@bellsouth.net |

# BIBB COUNTY

Division C Hazard Mitigation Planning Meeting Sign-In Sheet

Thursday, January 23, 2020 1:30 p.m.

Bibb County Commission Building, Centreville, AL

**PLEASE PRINT**

| Name | Agency/Title | Phone/Fax | Email |
|---|---|---|---|
| Matthew Thomas | Bibb Medical<br>Safety Director | 205-928-2542 | mthomas@bibbmedicalcenter.com |
| Tiffany McCulley | Town of Woodstock<br>Town Clerk | 9389790 | wtownclerktm@gmail.com |
| Cory Johnson | WARC | 205-333-2990<br>205333-2713 | Cory.Johnson@Westal.org |
| Countess King | WARC | 205-333-2990 | planning.intern@westal.org |
| | | | |
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Centreville Press

32 Court Square W. • P.O. Box 127 • Centreville, AL 35042

# PUBLIC NOTICE

The Bibb County Hazard Mitigation Planning Committee will meet on January 23, 2020 at 1:30 p.m. at the Bibb County Commission Building: 157 SW Davidson Drive Centreville, AL 35042. The purpose of the meeting will be to discuss local hazard mitigation issues and to provide input for the Division C Hazard Mitigation Plan that includes Bibb County and its municipal jurisdictions. The public is invited to attend and participate. Those persons needing information or requiring assistance to participate should contact Kirk Smith, Bibb County EMA Director at 205/926-3113 at least 24 hours in advance of the meeting.

PROOF OF PUBLICATION

State of Alabama
Bibb County

Before me, Lorrie E. Bean, a notary, in and for said State and County above listed, personally appeared Arline Duncan, who, by me duly sworn, deposes and says that:

"Centreville Press."

The newspaper published the attached legal notice in the issue(s) of: January 15, 2020. The sum charged for the publication was $48.00. The sum charged by the newspaper for said publication does not exceed the lowest classified rate paid by commercial customers for an advertisement of similar size and frequency in the same newspaper in which public notices appear.

There are no agreements between the newspaper and the officers or attorneys charged with the duty of placing legal advertising notices whereby any advantage, gain or profit accrues to said officers or attorneys."

Arline Duncan

Arline Duncan

Sworn to and subscribed to me this
the 16th day of January, 2020

Lorrie E. Bean

Lorrie E. Bean
My Commission Expires October 8, 2022

LORRIE E. BEAN NOTARY PUBLIC ALABAMA STATE AT LARGE

# Public Notice

The Bibb County Hazard Mitigation Planning Committee will meet on January 23, 2020 at 1:30 p.m. at the Bibb County Commission Building: 157 SW Davidson Drive Centreville, AL 35042.The purpose of the meeting will be to discuss local hazard mitigation issues and to provide input for the Division C Hazard Mitigation Plan that includes Bibb County and its municipal jurisdictions. The public is invited to attend and participate. Those persons needing information or requiring assistance to participate should contact Kirk Smith, Bibb County EMA Director at 205/926-3113 at least 24 hours in advance of the meeting.

**Date:** **Thursday, January 23, 2020**

**Place:** **Bibb County Commission Building**

**Time:** **1:30 PM**

**This notice posted on JANUARY 8 ,2020 at the following locations:**

1. **BIBB COUNTY COMMISSION**
   **157 S W DAVIDSON DRIVE CENTREVILLE , AL 35042**
2. **BIBB COUNTY PROBATE / TAX ASSESSOR'S OFFICE**
   **8 COURT SQUARE CENTREVILLE, AL 35042**
3. **CENTREVILLE CITY HALL**
   **1270 WALNUT ST. CENTREVILLE, AL 35042**
4. **BRENT CITY HALL**
   **2347 MAIN ST. BRENT, AL 35034**
5. **WEST BLOCTON TOWN HALL**
   **1139 MAIN ST. WEST BLOCTON, AL 35184**
6. **WOOD STOCK TOWN HALL**
   **28513 AL HWY 5 WOODSTOCK, AL 35188**

**SIGNED:** Kirk Smith

KIRK SMITH : BIBB EMA DIRECTOR

**BIBB COUNTY**
**DIVISION C HAZARD MITIGATION PLAN UPDATE**
**MEETING 1**
January 23, 2020 1:30 p.m. Bibb County Commission Building

AGENDA

I. Review of new Division C Hazard Mitigation Plan and process

II. Overview: Plan Update Worksheet elements
View draft online at www.atrcdevelopment.net

III. Update Critical Facilities Inventory and Capacity Assessment

IV. Review of Mitigation Strategies
Update Mitigation Actions by jurisdiction

V. Next steps:
**Meeting 2 – February 27, 2020 1:30 p.m./ Bibb County Commission Building**

.

# BIBB COUNTY

Division C Hazard Mitigation Planning Meeting Sign-In Sheet
Thursday, February 27, 2020 1:30 p.m.
Bibb County Commission Building, Centreville, AL

**PLEASE PRINT**

| Name | Agency/Title | Phone/Fax | Email |
|---|---|---|---|
| Tommy Dockery | ADPH - EP Director | (205) 554-4539 | tommy.dockery@adph.state.al.us |
| Kenneth Weems | Bibb Co. S.O. Chief Deputy | (205) 926-4683 | chiefdeputyweems701@yahoo.com |
| Jackson Chance | Brierfield Fire EMS Director | 205-299-4485 | jackson@chancetribe.com |
| Rosalyn Adams | City of Brent City Clerk | 205-926-4643 205-926-6061 FAX | cityofbrent@bellsouth.net |
| Bobbie White | Mayor City of Brent | 205-928-0593 | Mayor city of Brent. Alabama .com |
| David Tucker | Assit. Supervisor | 205-316-1128 | brentutilities935@gmail.com |
| John Donner | City of Brent St. Supt. | 205-926-4643 205-346-1989 | Street Superintendan |
| Wes Lawley | Bibb Co. BOC Tech Coord/Safety Bibb | 205-926-9881 | lawleyw@bibbed.org |
| Larry D. Oikle | City of Centreville Superintendent | 205 928-4258 | larryoikle@yahoo.com |
| Rodney Smith | City of Centreville Police Chief | 205 926 5052 | Cpdrls105@gmail.com |
| James CROMER | Town of Westover Police Chief | 205 938-7622 | CP1703@yahoo.com |
| Tiffany McCullers | Town of Woodstock Town Clerk | 205-938-9190 EXT-306 | Wtownclerktm@gmail.com |
| Angela Hollifield For Jeff McKinney | County Eng Admin Asst | 205 926-3111 205 926-3133 | angelhalli@bellsouth.net jeffmckinney@bellsouth.net |

# BIBB COUNTY

Division C Hazard Mitigation Planning Meeting Sign-In Sheet

Thursday, February 27, 2020 1:30 p.m.

Bibb County Commission Building, Centreville, AL

**PLEASE PRINT**

| Name | Agency/Title | Phone/Fax | Email |
|---|---|---|---|
| Don A Mack Sr | City Council Centreville | 205-926-0476 | donmack1975@gmail.com |
| Countess King | WARC Planning Ass. | | planning.intern@westal.org |
| Cory Johnson | WARC Director | | cory.johnson |
| Jeff McKinney | County Commission Engineer | (205) 926-3111 (205) 926-3133 | jeffmckinney@bellsouth.net |
| LEN PRICE | Chief of Police | 205 938-9090 | chief@town of Woodstock al.com |
| Jerry Pow | Brent Vol FD Chief | 205-926-4643 205-926-6061 | jerrypow@att.net |
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# Public Notice

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**Date:** **Thursday, January 23, 2020**

**Place:** **Bibb County Commission Building**

**Time:** **1:30 PM**

**This notice posted on JANUARY 8 ,2020 at the following locations:**

1. **BIBB COUNTY COMMISSION**
   **157 S W DAVIDSON DRIVE CENTREVILLE , AL 35042**
2. **BIBB COUNTY PROBATE / TAX ASSESSOR'S OFFICE**
   **8 COURT SQUARE CENTREVILLE, AL 35042**
3. **CENTREVILLE CITY HALL**
   **1270 WALNUT ST. CENTREVILLE, AL 35042**
4. **BRENT CITY HALL**
   **2347 MAIN ST. BRENT, AL 35034**
5. **WEST BLOCTON TOWN HALL**
   **1139 MAIN ST. WEST BLOCTON, AL 35184**
6. **WOOD STOCK TOWN HALL**
   **28513 AL HWY 5 WOODSTOCK, AL 35188**

**SIGNED:** Kirk Smith

KIRK SMITH : BIBB EMA DIRECTOR

# Dallas County Participation Items
# PHASE II

**Alabama Tombigbee Regional Commission**
**Notice of Draft Hazard Mitigation Plan Availability**

The Division C Regional Multi-Jurisdictional Hazard Mitigation Plan Phase II is available for public review at https://www.atrcdevelopment.net/division-c-drafts. Phase II counties include Dallas, Hale, Marengo, and Sumter Counties. Comments will be received on the draft until March 24, 2021. Comments can be made through form submission at the above site or by email to brandy.wilkerson@atrc.net.

SELMA

711 Alabama Avenue
Selma, AL 36701

P. O. Box 476
Selma, AL 36702

Phone (205) 789-0973

# AFFIDAVIT OF PUBLICATION

STATE OF ALABAMA
DALLAS COUNTY

Before me, the undersigned authority in and for said State and County, personally appeared Cindy Fisher, who is known to me, and who being by me first duly sworn, deposes and says:

That she is the publisher of the Selma Sun, a newspaper distributed in Dallas County, Alabama, and that the said Selma Sun is of general circulation in said County, and has been mailed under a Periodicals Postage paid mailing privilege at the United States Post Office at Selma, Alabama, regularly each and every week for a period of more than fifty-two (52) consecutive weeks prior to the publication of the Legal Notice, or Advertisement, of which a copy is hereto attached, and further that said Legal Notice, or Advertisement, was published in said newspaper, Selma Sun

for one consecutive weeks, to-wit:

in the issues dated: March 11, 2021
1st date of publication _____, 20____
2nd date of publication _____, 20____
3rd date of publication _____, 20____
4th date of publication _____, 20____

and that each of the above specified issues was duly circulated among the subscribers of said newspaper.

LEGAL PUBLICATION STATEMENT

Flat (Words) or _____(Display) ( one times) at Flat (cents) or (per col. inch)
I hereby certify that this is a true, correct statement.

Total amount due $150.00

The sum charged by the newspaper for said publication is the actual lowest classified rate paid by commercial customers for an advertisement of similar size and frequency in the same newspaper(s) in which the public notice appeared. There are no agreements between Selma Sun and the officer or attorney charged with the duty of placing the attached legal advertising notices whereby any advantage, gain or profit accrued to said officer or attorney.

Cynthia Fisher

Cynthia Fisher
Publisher, Selma Sun

Subscribed and sworn before me this the 25th day of March, 20 21

Debrah Fisher

Debrah Fisher, Notary Public
State of Alabama at Large
My Commission Expires 02/07/2023

DEBRAH FISHER
NOTARY PUBLIC
STATE OF ALABAMA

# Greene County Participations Items

Friday, December 13, 2019 - Emergency Management
LEPC
Hazard Mitigation Plan

| | | |
|---|---|---|
| John Isley | Greene Co. Hwy. Dept<br>521 Prairie Ave., Eutaw, AL | 372-3302 |
| Willie E. Austin | 207 Saint Matthew Rd.<br>Boligee, Al. 35443<br>(205-377-1042) | |
| George Hall | 1510 Co. Rd 133<br>Boligee, AL 35443<br>(205 799-5204 | |
| Derick Coleman | Eutaw Police Dept.<br>~~314 Eatman Ave~~ DMC<br>116 Main St.<br>205-315-1012 | |
| Hodges Smith | EMA<br>205/372-4466 | |
| Rig Sermon | EMA/E-911<br>205/372-1411 | |

**GREENE COUNTY**
**DIVISION C HAZARD MITIGATION PLAN UPDATE**
**MEETING 1**
December 17, 2019 5:30 p.m. at City of Eutaw Fire Department

AGENDA

I. Review of new Division C Hazard Mitigation Plan and process

II. Overview: Plan Update Worksheet elements

III. Review and update Critical Facilities Inventory by jurisdiction

IV. Review goals, objectives, and actions
Update Mitigation Actions/Projects by jurisdiction
Prioritize Mitigation Actions

V. Next steps:
Meeting 2 – January 21, 2020 7:00 p.m. at Forkland Fire Department
Review of draft Division C plan
Update on AEMA and FEMA review and revisions

# GREENE COUNTY

Division C Hazard Mitigation Planning Meeting Sign-In Sheet
Tuesday, December 17, 2019 5:30 p.m.
Eutaw Fire Station, Eutaw, AL

**PLEASE PRINT**

| Name | Agency/Title | Phone/Fax | Email |
|---|---|---|---|
| IRIS SERMON | Greene CoEMA/911 | 205-372-1911<br>205-372-5911 | isermon@att.net |
| HENRY HARKNESS | Union V.F.D Chief | (205)454-7005<br>N/A | henryharkness4455@yahoo.com |
| Willie Austin | D.V.F.D. | 205-372-1042 | funnyboy48c yahoo.com |
| Eddie Austin Jr. | D.V.F.D | 205-372-1039 | |
| Bessie R. Means | Mantua VFD/Lewiston | 205-372-3897 | |
| Charles M Jones | (M/L) V.F.D | 205 372 9478 | |
| Gerald Burns | Jena VFD Pres. | 205-333-0992 | |
| Morris Bowie | Jena VFD | 205-339-5370<br>205-339-5376 | |
| Minnie Bowie | Jena VFD | | |
| Kathy Morrow | VFD Mantua/Lewiston | 205-372-4528 | |
| Roy Lewis Sine | Forkland VFD Chief | 334-216-0226 | |
| Juanita Jackson | Forkland VFD | 334-289-4916 | |
| Lillie Thomas | Steamplant | 334-289-4848 | |

Cory Johnson WARC 205 333-2990 cory.johnson@alestal.org

# GREENE COUNTY

Division C Hazard Mitigation Planning Meeting Sign-In Sheet
Tuesday, December 17, 2019 5:30 p.m.
Eutaw Fire Station, Eutaw, AL

**PLEASE PRINT**

| Name | Agency/Title | Phone/Fax | Email |
|---|---|---|---|
| John Byrd | Knoxville | 205-454-8614 | |
| HARPER SMITH | KNOXVILLE VFD | 1205 361 2273 | |
| JohnSmith | Knoxville VFD | 205 496-2160 | SMith6394@gMail |
| Raymond steele | EUTAW | 205-496-0117 | raymondsteele2000@Yahoo.com |
| Bennie Adams III | Eutaw | 205-315-1049 | gemstar1@bellsouth.net |
| Heath Dorman | Alabama Forestry Commission | 205-496-9755 | Heath.dorman@forestry.Alabama.gov. |
| Nick Wilson | Greene Co EMS Director | 205-242-9911 205-372-4934 | greenecountycms6@Bellsouth.net |
| Keith Young | DHVF | 205-301-9727 | KY55401@gmail.com |
| Mollie M. Gaines | Dollarhide VFD | 205 292 7912 | gaines_mollie@Yahoo.com |
| Lesley Carlisle | West. Greene VFD | 1-205-292-0624 | |
| Geraldine S. Walton | Dollarhide VOL Fire Dept President | 205 799. 1394 | jscrews walton@bellsouth.net |
| Springfield VFD | ~~Springfield VFD~~ Treasury | 205-496-0366 | |
| Johnny Burton | Union VFD | 205 535 6022 | ~~Johnny burton@~~ Johnny burton 81@i.cloud.com |

# GREENE COUNTY

Division C Hazard Mitigation Planning Meeting Sign-In Sheet

Tuesday, December 17, 2019 5:30 p.m.

Eutaw Fire Station, Eutaw, AL

**PLEASE PRINT**

| Name | Agency/Title | Phone/Fax | Email |
|---|---|---|---|
| Idella Thompson | Union VFD | 205-372-9384 | |
| Jimmie Morrow | " VF | 205-372-1619 | |
| Jimmie Rice Jr | Clinton VFD | 205-372-3424 | |
| Marshine Rice | Clinton VFD | 205-372-3424 | |
| Mary Dunn | Dollarhide VFD | 205-534-6589 | |
| Eddie Austin | Dollar hide VFD | 205-377-1039 | |
| Lucy Spann | Manbur-Lewisten VFD | 205-301-0692 | lspann1132@gmail.com |
| Jenkins Morrow, Jr | Manbur-Lewisten VFD | 205-301-0692 | |
| William Spencer | Me N ut 4 Lewiston | 205-372-3275 | |
| John Isley | Greene County Hwy Dept | 205-372-3302 | greenecego@gmail.com |
| Susie Morrow | BVFD | | |
| Eddie [illegible] | BVFD | 205-496-1417 | |
| [illegible] | BVFD | 205-496-0473 | JEMorrow1939@gmail.com |

# *Greene County Independent, Inc.*

**106 Main Street**
**Eutaw, AL 35462**
**Phone: 205-372-2232**
**Fax: 205-372-1082**
**Email: greenecoind@aol.com**


## POST-PUBLICATION AFFIDAVIT OF LEGAL NOTICE
## STATE OF ALABAMA
## COUNTY OF GREENE

Before me the undersigned Notary Public in and for county and state listed above, personally appeared Sharon S. Trammell, who, upon being duly sworn by me, deposed and says that:

"My name is Sharon S. Trammell, I am the Acting Editor/General Manager of the Greene County Independent Newspaper."

The Greene County Independent published the attached legal notice(s) in the issue(s) of: 12/11.

The sum charged for publication was $35. The sum charged by the Greene County Independent for said publication does not exceed the lowest classified rate paid by commercial customers for an advertisement of similar size and frequency in the same newspaper in which the public notice appeared.

There are no agreements between the Newspaper and the officer or attorney charged with duty of placing the attached legal advertising notices whereby an advantage, gain or profit accrued to said officer or attorney."

Sharon S Trammell

AFFIANT
Sharon S. Trammell
Acting Editor/General Manager

Sworn to and subscribed before me on this 11 day of Dec, 2019.

Chondra E. Mayes

Notary Public
My commission expires: 06/24/20

# Pet Talk

For many cat owners, busting boredom in their feline friend is a sizable concern. Cats are notoriously choosy about their toys, and an under-stimulated cat might result in shredded furniture and shattered knick-knacks.

One way owners can capture their cat's interest is with catnip. Dr. Lori Teller, a clinical associate professor at the Texas A&M College of Veterinary Medicine & Biomedical Sciences, explains more on what this plant is and how owners can use it to enrich their cat's environment.

Catnip is a member of the mint family, according to Teller.

Formally known as Nepeta cataria, catnip is a perennial herb that can grow to be up to three feet high. It contains a chemical called nepetalactone in its leaves and stems that can impact your cat's behavior.

When cats are exposed to nepetalactone by smell, it acts as a stimulant, causing some cats to have an uptick in activity. When ingested, nepetalactone has a sedative effect. It is thought that this chemical mimics natural pheromones, acting on those receptors to elicit a response.

"Catnip has a psychoactive effect, meaning that it can make cats high for about 15-30 minutes after exposure," Teller said.

Cats under the influence of catnip may roll around, dart across the room, flip over, and exhibit general hyperactivity. Others may be very chill. However, Teller warns that "not every cat is susceptible to these effects."

Cat owners interested in introducing this herb to their pet's environment may do so by purchasing toys containing catnip, or they may purchase the herb loose and sprinkle it over areas they would like their cat to frequent, such as a scratching toy.

The herb can be given fresh or dry, though some cats might have a preference in which form they like best. Crafty cat owners might consider growing the herb themselves, as it thrives in most of North America and is relatively easy to care for.

Though catnip can be a great way to enrich your furry friend's routine, owners should be cautious in how often they expose their cat to this herb.

Catnip is unlikely to cause an overdose, but too much can cause nausea and vomiting. If this occurs, pet owners should remove catnip from their cat's environment.

Frequent exposure might also reduce the effect catnip has on your cat.

Pet owners concerned about introducing catnip to their pet's routine should, as always, consult with their veterinarian. Catnip can be a unique and stimulating treat for your pet that may enrich their playtime and provide an adorable display of activity for you to watch!

# Hunters, anglers give Black Belt region $1.1 billion boost

Hunters and anglers visiting the 23 counties in the Alabama Black Belt had an economic impact of $1.1 billion on the region in 2018, according to a study by Southeast Research of Montgomery released at a press conference last week.

Those outdoorsmen and women supported 24,716 jobs in the region that paid $364 million in salaries and wages. State and local taxes paid by those who spent their dollars in the Black Belt while hunting and fishing amounted to $62 million with $28 million going to the Alabama Education Trust Fund, the report said.

"This study shows that outdoor tourism is an incredible economic driver for the Black Belt," said Thomas A. Harris, founder and president of the Alabama Black Belt Adventures Association, a not-for-profit organization that works to market the region to outdoors enthusiasts across the nation. "The 24,000-plus jobs created are very important to the citizens in the region, many of whom might not have other employment opportunities. The local communities and our state are collecting $62 million in taxes that benefit everyone in the region. We're proud that this year we're celebrating 10 years of helping attract hunters and anglers and others who want to vacation in the Black Belt to enjoy the outdoors."

According to the study, 1.2 million hunters in Alabama spent an estimated $3.2 billion in 2018. Statewide, an estimated 73,500 jobs were supported by hunters and anglers and $185 million was generated for state and local taxes with $84 million going to the Education Trust Fund.

Southeast Research used data from a national study from the National Shooting Sports Foundation and the American Sportfishing Association for its economic impact report. The company also polled hunting and fishing licensees who had shared their email addresses with the Alabama Department of Conservation and Natural Resources, assuming those to be representative of the total data file of hunters and anglers.

The survey also showed more than 40% of everyone who hunted in Alabama in 2018 were hunting in the Black Belt. Of non-residents hunting in the state, 66% were in the Black Belt. Hunters and anglers spent an estimated six million days hunting and 2.3 million days fishing in the Black Belt.

Southeast's findings showed there were 363,900 visitors to the Black Belt in 2018 with 175,800 spending at least one night. The total number of overnight stays was 2.89 million, with 57,200 nights spent at a commercial lodge, 276,900 nights spent in a hotel/motel and 433,100 nights spent at a campground in a recreational vehicle. Just over half of the visitors — 50.6% — own or rent property in the Black Belt. The total amount of lodging taxes generated by hunters and anglers in the Black Belt was almost $1.4 million.

The study showed the Black Belt brand has a grea deal of value among out-of-state hunters. Days spent hunting in the Black Belt was almost unchanged from a 2011 study at 66% and days spent fishing in the region increased by 11 percentage points to 29%.

The ALBBAA also unveiled two new 30-second TV advertisements that will reach 24% of the nation's household viewers. Gray Television, which acquired Raycom Media early this year, will continue Raycom's partnership with ALBBAA in broadcasting the commercials sharing the Black Belt's outdoor tourism message on its almost 150 affiliates.

A book signing for "Black Belt Bounty," a new coffee table book published for the 10th anniversary of the ALBBAA to commemorate the traditions of hunting and fishing in the Black Belt region, was held immediately following the press conference. Among the contributors to the deluxe hardcover book on hand were James Beard award-winning Alabama chefs Chris Hastings and David Bancroft, celebrity chef Stacy Lyn Harris and several wildlife artists, photographers and outdoors writers.

The Black Belt includes the following counties: Barbour, Bullock, Butler, Choctaw, Clarke, Conecuh, Crenshaw, Dallas, Greene, Hale, Lee, Lowndes, Macon, Marengo, Monroe, Montgomery, Perry, Pickens, Pike, Russell, Sumter, Tuscaloosa and Wilcox.

The Alabama Black Belt Adventures Association is committed to promoting and enhancing outdoor recreation and tourism opportunities in the Black Belt in a manner that provides economic and ecological benefits to the region and its citizens.

**PUBLIC NOTICE**

**The Greene County Hazard Mitigation Planning Committee will meet on December 17, 2019 at 5:30 p.m. at the City of Eutaw Fire Station located at 116 Main Street Eutaw, AL 35462. The purpose of the meeting will be to discuss local hazard mitigation issues and to provide input for the Division C Hazard Mitigation Plan that includes Greene County and its municipal jurisdictions. The public is invited to attend and participate. Those persons needing information or requiring assistance to participate should contact Iris Sermon, Greene County EMA Director at 205/372-1911 at least 24 hours in advance of the meeting.**





EUTAW ACCENT FLOWERS
"FLOWERS FOR ALL OCCASIONS"
WEDDINGS/PARTIES * HOSPITALS *
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FRESH CUT & SILK ARRANGEMENTS *
PLANTS * BALLOONS
FTD * WIRE SERVICE
ACCEPTING CASH DEBIT & CREDIT CARDS
DAILY DELIVERIES
(205) 372-5444
HOURS: MON-FRI. 7AM-4:30PM
207 BOLIGEE STREET
EUTAW, AL. 35462


## *The Front Porch*

### What Actually Counts?

There are 1002 stories, actual occurrences throughout our lifetimes. We read the stories and are made to feel better by being reminded of what someone has accomplished. But the human element of being human is, a few days later we seem to have let this slide from the good feelings that we enjoyed. Can we be uplifted throughout this time of year and let this uplifting be permanent while we tarry here on this earth? God's word more than suffices anything that mankind can ever come up with. I always love to talk about Roger Bannister, the track star of yesteryear. It was thought at this time the human body could not withstand the pressure of running the mark of 1 mile in less than four minutes. It was thought that a person would surely die should the body be pushed to a sub four-minute timing. Several runners were trying to accomplish this but it was Roger Bannister that completed the time and set the record as being the first human to run a sub four-minute mile. You may remember earlier this year Roger Bannister passed away. But the point being, after finishing the mile in less than four minutes it was not long before others began to train harder and completed the feat themselves. The 1 mile run fastest time today is 3:43.13 run by Hicham El Guerrouj. This afternoon most of us will have forgotten this. Jim Thorpe is a name that maybe half of us will remember from the early 1900's Olympics. An Indian with such great physical talent that he played professional baseball and football. But while competing in the Olympics someone stole his track shoes. Growing up in hard times he was to do the best he could and found a mismatched pair of shoes in a trashcan, each one a different size from the other. The larger shoe required extra socks on that foot. Running with those shoes he won two gold medals. But God's Word is always present and always true. Read the following found in the Old Testament.

1st Chr. 16:26-31. For all the gods of the people are idols; but the Lord made the heavens. 27. Glory and honor are in His presence; strength and gladness are in His place. 28. Give unto the Lord, ye kindreds of the people, give unto the Lord glory and strength. 29. Give unto the Lord the glory due unto His name: bring an offering, and come before Him: worship the Lord in the beauty of holiness. 30. Fear before Him, all the earth: the world also shall be stable, that it be not moved. 31. Let the heavens be glad, and let the earth rejoice: and let men say among the nations, The Lord reigneth. May we always realize Scripture is not seasonal! May you always find your family well and that we will teach them to worship God through Christ.



***The Front Porch is written by Brother Gene Dockery, Pastor of the Eutaw Baptist Church.***


Edgar's Foodland
135 Greensboro Street - Eutaw
Phone: 205-372-4344

Hair Designs by August
1000 Queen City Ave. - Tuscaloosa
Cell Phone: 205-242-7370

Brownlee Auto Parts
140 Prairie Avenue - Eutaw
Phone: 205-372-4820

Piggly Wiggly
116 Greensboro Street
Eutaw, Alabama

# Public Notice

The Greene County Hazard Mitigation Planning Committee will meet on December 17, 2019 at 5:30 p.m. at the City of Eutaw Fire Station located at116 Main Street Eutaw, AL 35462. The purpose of the meeting will be to discuss local hazard mitigation issues and to provide input for the Division C Hazard Mitigation Plan that includes Greene County and its municipal jurisdictions. The public is invited to attend and participate. Those persons needing information or requiring assistance to participate should contact Iris Sermon, Greene County EMA Director at 205/372-1911at least 24 hours in advance of the meeting.

**Date:** **December 17, 2019**

**Place:** **City of Eutaw Fire Station**

**Time:** **5:30 PM**

**This notice posted on** Dec 9 **,2019 at the following locations:**

1. **Eutaw City Hall**
2. **Eutaw Post Office**
3. **Greene County Courthouse**
4. **James C. Poole Jr. Memorial Public Library**

Iris Sermon

**Signed**

**GREENE COUNTY**
**DIVISION C HAZARD MITIGATION PLAN UPDATE**
**MEETING 2**
**January 21, 2020 6:00 p.m. Forkland VFD**

*AGENDA*

I. Overview of draft plan sections

II. Review of critical facilities and draft tables

III. Mitigation Strategy:

a. Sample Mitigation Strategies
   - The STAPLEE Guide
   - NFIP Information

b. Draft Action Plans
   - Goal and Action Definitions

IV. Next steps:

a. Completion of Draft Plan
b. State EMA Review/Revisions
c. FEMA Review/Revisions
d. Adopting Resolutions

V. Adjourn

# GREENE COUNTY

Division C Hazard Mitigation Planning Meeting Sign-In Sheet

Tuesday January 21, 2020 6:00 p.m.

Forkland VFD, Forkland, AL

**PLEASE PRINT**

| Name | Agency/Title | Phone/Fax | Email |
|---|---|---|---|
| Wiley Isaac | Forkland FVFD | 334-216-1475 ~~205-372-2946~~ | fvfguy1005@yahoo.com |
| John A Hill | ~~Springfield~~ | 205-372-2946 | |
| Willie Cook | TVD | 334-341-9421 | |
| Fatima Jackson | TVD | 205-336-9776 | |
| Gwendolyn Madison | TVFD | 205-372-7307 | |
| JB Washington | TVFD | 2053368182 | |
| Allen Turner Jr. | TVFD | (205)496-1130 | |
| Alexander Haley | TVFD | 205) 336-8562 | |
| Cedric Madison | TVFD | 205-419-2641 | |
| Allen Turner Sr. | TVFD | 205-336-8570 | |
| Kurt Turner | Tishabee TVFD | 205-336-8223 | |
| Earlean Isaac | Forkland | 334-289-3866 | |
| Ivis Sermon | EMA Co 9-1-1 | 205-372-1911 | isermon@att.net |
| Johnny L. Isaac | " | 334-216-3503 | |
| Hedda Dean | A.F.C | | |

# GREENE COUNTY

Division C Hazard Mitigation Planning Meeting Sign-In Sheet

Tuesday January 21, 2020 6:00 p.m.

Forkland VFD, Forkland, AL

**PLEASE PRINT**

| Name | Agency/Title | Phone/Fax | Email |
|---|---|---|---|
| Jamie Cox | LGR VFD | 205 372 9780 | |
| Eddie Austin Jr | DVFD | 205-377-1039 | |
| Willie Austin | " | 205-377-1042 | |
| ED Pearson | LGRVFD | 205 499 1137 | LGRVFD@ATT.NET |
| Geraldine S. Walton | DVFD | 205. 799. 1394 | gscrewswalton@bellsouth.net |
| Jannie P. Morrow | UVFD | 205-372-1819 | |
| Idella Thompson | UVFD | 205.372.9384 | |
| Jimmie Rice Jr | Clinton VFD | 205 372-3429 | |
| Marstine Rice | " " | 205-372 3429 | |
| | GCAVFD | | |
| Mollie M Gaines | DVFD | 205 292-7912 | gaines-mollie@yahoo.com |
| Lucy Spann | MLVFD | 205-301-0692 | lspann1132@gmail.com |
| KAthy Morrow | MLVFD | (205)372-4528 | |
| Melvin Carpet | WGFD | 205-344-1747 | |
| Bennie Abrams | Gothw | 205-372-4934 | gemstar1@bellsouth.net |
| Carrie M. Jones | | 205-902-2147 | CJAZZAME@hotmail.com |
| Betty mc Carter | West Green | 205-496-3162 9917 | |
| Marie Jordan | West Green | 205-496-9917 | MICJ2000@yahoo.com |
| Peggy Watkins | West Green | 205-394-6416 | P.watkins59@icloud.com |
| Jason Beery | Alabama Forestry Commission | 205-385-2415 | |
| Ward Bond | Alabama Forestry | 205-361-8016 | Ward.bond@forestry.alabama.gov |

# GREENE COUNTY

Division C Hazard Mitigation Planning Meeting Sign-In Sheet

Tuesday January 21, 2020 6:00 p.m.

Forkland VFD, Forkland, AL

**PLEASE PRINT**

| Name | Agency/Title | Phone/Fax | Email |
|---|---|---|---|
| F. H. HUGHES | MANAGER-Lewis VOL FIRED, | 205-372-4203 | |
| Charlie McKinnie | Town of Forkland | 334-289-3030 | |
| Dorothy Corbitt | West Green VFD | | |
| Denise Strode | LGR-VFD | | |
| Johnni Strode-Manning | LGR-VFD Akron, AL | | |
| Lillie Thomas | SPBVFD | 334-289-4848 | |
| Ryan Lewis | FVFD | 334-216-0226 | drlewis@yahoo.com |
| Hodges Smith | GC/WARC President | 205 372 4466 | hodgessloma@hotmail.com |
| JAMES E. MORROW | TOWN OF BOLIGEE | 205-496-0473 | jemorrow1939@gmail.com |
| Sesley Carlisle | West Green VFD | | |
| Countess Icing | WARC | 205-333-2990 | planning.intern@westal.org |
| Cory Johnson | WARC | 205-333-2990 | cory.johnson@westal.org |
| | | | |

# *Greene County Independent, Inc.*

**106 Main Street**
**Eutaw, AL 35462**
**Phone: 205-372-2232**
**Fax: 205-372-1082**
**Email: greenecoind@aol.com**


**POST-PUBLICATION AFFIDAVIT OF LEGAL NOTICE**
**STATE OF ALABAMA**
**COUNTY OF GREENE**

Before me the undersigned Notary Public in and for county and state listed above, personally appeared Sharon S. Trammell, who, upon being duly sworn by me, deposed and says that:

"My name is Sharon S. Trammell, I am the Acting Editor/General Manager of the Greene County Independent Newspaper."

The Greene County Independent published the attached legal notice(s) in the issue(s) of: 1/8/2020.

The sum charged for publication was $ 35 -. The sum charged by the Greene County Independent for said publication does not exceed the lowest classified rate paid by commercial customers for an advertisement of similar size and frequency in the same newspaper in which the public notice appeared.

There are no agreements between the Newspaper and the officer or attorney charged with duty of placing the attached legal advertising notices whereby an advantage, gain or profit accrued to said officer or attorney."

Sharon S Trammell

AFFIANT
Sharon S. Trammell
Acting Editor/General Manager

Sworn to and subscribed before me on this 8 day of Jan, 2020.

Chondra E Mayes

Notary Public
My commission expires: 06/24/20

# Remember When.....Twenty-five years ago this week

Businesses recently received forms for the renewal of privilege licenses to operate in the City of Eutaw. Businesses, that in the past have paid a flat rate, have termed the renewal fee as "out of sight." Many converged on the council meeting at City Hall Tuesday night to question the increase. Mayor Buddy Gay was able to deflect them by referring the matter back to the finance committee for more study. The deadline for the license, which is usually February 1, has been extended to March 1.

Some businesses said that the increase for them could be over hundreds of percent of the former fees. Ralph Liverman said his cost would quadrupled. Newspapers would pay over eight and a half times what they did last year. Mark Odom of Odom Chevrolet said his fee would go up 10 to 15 per cent. He said this is much higher than what other small towns near Eutaw pay and close to what Tuscaloosa dealerships must pay. Odom is concerned because the fee is charged for gross sales and does not take into account the initial price the dealership must pay manufacturers for the vehicles.

Walter Griess called the increase like "bleeding an anemic" and said this increase to raise revenue is "what I find deplorable about government." Some council members had proposed a cap but Griess argues that only helps the bigger businesses. Rip Banks, chairman of the finance committee, argues that the changes seemed "fair and equitable." He said they need revenue to pay for fire and police protection. He estimates the change will raise about $50,000 for the city. In the past, merchants paid a fee of one-tenth of one percent based on gross sales. Phil Banks of Banks & Company said that his cost will not go up as much as some others, just over $40. He said services received by businesses are getting fewer and the costs for the services they do receive are going up.

Businesses who sell gasoline are complaining about the unfairness of the tax on gross sales. One said there is no consideration of the cost they pay for the gasoline and no deduction of all the taxes tacked onto a gallon of gasoline. "Over one half of the price of a gallon of gasoline is taxes." That tax should be deducted from the gross sales those businesses argue. Cliff Logan, a forester, also said the tax will do a lot of harm to his business. "The city's going to have to get adjusted to it" he said about the loss of revenue from Greenetrack that led to the initial increase in the privilege license fee. Logan's cost will be about ten or fifteen percent higher. Griess argued other small towns manage to operate without bingo money and "They do not charge a burdensome amount for business privilege licenses."

Edgar's offered an eighteen ounce loaf of Holsum bread for a penny and a Super Chek Coupon. A gallon of Saver's Choice bleach cost 29 cents and a coupon; a roll of Bounty paper towels was 39 cents and a coupon; and a twelve ounce package of Bryan franks or Bryan bologna sold for 99 cents and a coupon.

An ad announced Odom Chevrolet had just received a new shipment of four wheel drive extended cab trucks.

There was an obituary for the Reverend Guy Nelms of Eutaw. A memorial service was held at the Pleasant Hill Cumberland Presbyterian Church, where he had been the pastor for five and a half years. He was buried in Booneville, Arkansas. His surviving daughter, son, and two brothers live in Arkansas.

*Continuing the story of Curtis Eatman's service in World War II.* He and his co pilot, Charles Haynes visited Cairo and Jerusalem after their return from being shot down over Yugoslavia. In mid January they were back in Italy and on duty. Most of their missions were over Vienna, but they also bombed Augsburg, west of Munich. In March, when returning from a bombing mission, they lost their third engine, after having already lost the first, and were forced to land in Pecs, Hungary behind Russian lines. They were taken to the commandant and questioned by an interpreter. Haynes related they were treated well and driven in a Model A truck to a town called Baja where there were another sixty or so American airmen living in a former school house. Eventually, they boarded a boxcar on a slow moving train – ten miles an hour. When the train reached Timoshora, Romania, they were taken off the train. The two were lodged with a caretaker of a large office building who had an apartment in the basement. The Romanians liked the British and Americans and they felt free to explore the town. Haynes was able to buy a camera and two rolls of film to document the visit. Next week, the story of their return to Italy and the war.

AUCTION OF ANTIQUES & COLLECTIBLES
IN HISTORIC MARION ALABAMA
Saturday January 18th 2020 @ 10AM
Preview 8 am day of Auction
To be held at the Old Marion Train Depot
1293 South Washington Street
Marion, AL 36756
Garrett & Garrett Auction Company
W.J. Garrett
AB# 2107 AU# 2727 • A/A # 1947
850-461-6517
13% Buyers Premium - 3% Discount for Cash or Checks

## PUBLIC NOTICE

**The Greene County Hazard Mitigation Planning Committee will meet on January 21st at 6:00 p.m. at the Forkland Volunteer Fire Department located at 13319 HWY 43 Forkland, AL 36740. The purpose of the meeting will be to finalize updates for the Division C Hazard Mitigation Plan that includes Greene County and its municipal jurisdictions. The public is invited to attend and participate. Those persons needing information or requiring assistance to participate should contact Iris Sermon, Greene County EMA Director at 205/372-1911 at least 24 hours in advance of the meeting.**

1 OUT OF 10
ELDERLY PERSONS AND ADULTS
WITH DISABILITIES ARE BEING:
Abused, Neglected or Exploited
If you suspect this is happening to someone you know, please report it to Adult Protective Services by contacting your local DHR office or calling the
ADULT ABUSE HOTLINE at 1-800-458-7214
HELP STOP THE ABUSE
IF YOU SEE IT, REPORT IT
APS
ALABAMA DEPARTMENT OF HUMAN RESOURCES
ADULT PROTECTIVE SERVICES
1-800-458-7214
There's no excuse for
ELDER ABUSE

"This project was supported by Subgrant #16-VA-VS-076 awarded by the Law Enforcement/Traffic Safety Division of ADECA and the U.S. Department of Justice." The opinions, findings, and conclusions or recommendations expressed in this publication/program/exhibition are those of the author(s) and do not necessarily reflect the views of the Department of Justice or grant-making component."

# Governor Kay Ivey awards $46.2 grant

Gov. Kay Ivey has awarded grants totaling $46.2 million to assist low-income families in Alabama with energy bills.

The grants will enable 21 community service agencies throughout the state to provide emergency funding to help low-income families heat their houses this winter.

"Many low-income families in Alabama are forced to weigh between staying warm in their homes or having food and prescription medicine," Gov. Ivey said. "These grants will help many elderly, disabled and families with children not have to make those choices. I am pleased to provide this assistance to help those most in need."

The Alabama Department of Economic and Community Affairs is administering the grants from funds made available by the U.S. Department of Health and Human Services for the Low-Income Home Energy Assistance Program.

LIHEAP helps eligible low-income households afford the energy required to heat their houses. Residents apply for assistance through local community service agencies who determine eligibility based on income, family size and available resources.

"Gov. Ivey understands the crucial importance of this funding for helping qualified families heat their homes during cold weather," ADECA Director Kenneth Boswell said. "ADECA is pleased to join with the governor to make these funds available as we enter what are typically the coldest months of the year in Alabama."

Below is a list of the community service agencies receiving grants, their service areas and grant amounts:

Community Services Programs of West Alabama Inc. (Bibb, Choctaw, Dallas, Fayette, Greene, Lamar, Perry, Sumter and Tuscaloosa) – $5.42 million.

# Legal Notices

IN THE PROBATE COURT OF GREENE COUNTY, ALABAMA
CASE NO. PC19-26
IN THE MATTER OF THE ESTATE OF KATHLEEN W. BANKS, DECEASED
NOTICE TO CREDITORS

LETTERS TESTAMENTARY under the last will and testament of Kathleen W. Banks, deceased, having been granted to the undersigned on the 18th day of December, 2019, by the Hon. Rolonda M. Wedgeworth, Judge of Probate of Greene County, Alabama, notice is hereby given that all persons having claims against said estate are hereby required to present the same within the time allowed by law or the same will be barred.

Lucile C. Banks, Co-Personal Representative of the Estate of Kathleen W. Banks, deceased
Philip B.M. Banks, Jr., Co-Personal Representative of the Estate of Kathleen W. Banks, deceased
3tc-12/25,1/1,1/8

IN THE PROBATE COURT OF GREENE COUNTY, ALABAMA
CASE NO. PC19-28
IN THE MATTER OF THE ESTATE OF ERNEST WILSON COLLINS, III, DECEASED

LETTERS TESTAMENTARY under the Last Will and Testament of Ernest Wilson Collins, III, having been granted to Deborah P. Collins, as Executor, on the 30th day of December, 2019, by the Honorable Rolonda M. Wedgeworth, Judge of Probate of Greene County, Alabama, notice is hereby given that all persons having claims against said estate of Ernest Wilson Collins, III, are hereby required to present the same within the time allowed by law or the same will be barred.

E. Kenneth Aycock
Attorney for the Executor
E. KENNETH AYCOCK, P.C.
1107 23rd Avenue (35401)
Post Office Box 21134
Tuscaloosa, AL 35402
TelephoneL (205) 752-7788
3tc-1/8,15,22

piggly wiggly
EUTAW 372-3462
SHOP LOCAL & SAVE BIG!
PRICES GOOD JANUARY 8, 2020 THRU JANUARY 14, 2020
HOURS... MONDAY - SATURDAY 7 AM TO 7 PM • SUNDAY 8 AM TO 6 PM FOOD STAMPS SHOPPERS WELCOME!
QUANTITY RIGHTS RESERVED. NONE SOLD TO DEALERS. WE RESERVE THE RIGHT TO CORRECT TYPOGRAPHICAL OR PICTORIAL ERRORS..
SKT CABLEVISION Payment Center
WESTERN UNION MONEY TRANSFER
USDA BONELESS BOTTOM ROUND ROAST $3.59 lb
FRESH QUARTER SLICED PORK LOIN $1.29 lb
PEPSI PRODUCT 12 PACK 12 OZ CAN 2/$8
JUMBO PACK... SANDERSON FARMS DRUMSTICKS 99¢ lb
JUMBO PACK... SANDERSON FARMS THIGHS 99¢ lb
12 OZ PKG.. ZEIGLER SLICED BOLOGNA 2/$3
12 OZ PKG... JIMMY DEAN SLICED BACON $2.99
1 LB PKG... BAR S JUMBO MEAT FRANKS 4/$5
2 PIECE PKG... PORK TENDERLOIN $2.89 lb
TRAY PACK SANDERSON FARMS WINGETTES $2.99 lb
24 OZ PKG... ZEIGLER RED HOTS $3.99
1 LB ROLL... ZEIGLER PORK SAUSAGE $2.79
21-30 COUNT...1 LB PKG DORAN SHRIMP $7.99
16.3 OZ CAN...PILLSBURY GRANDS BISCUITS 3/$5
13 OZ...NABISCO CHIPS AHOY COOKIES 2/$5
2 PLY...PIGGLY WIGGLY PAPER TOWELS 69¢
8 OZ CAN...HUNT'S TOMATO SAUCE 2/$1.00
15 OZ CAN...HUNT'S MANWICH SLOPPY JOE SAUCE 4/$5
10.75 OZ CAN...CAMPBELL'S TOMATO OR CHICKEN NOODLE SOUP 5/$5
6-9 OZ BOX... BETTY CROCKER HAMBURGER HELPER 4/$5
1 LB BAG... WATERMAID RICE $1.00
24 OZ CAN...HUNT'S SPAGHETTI SAUCE 5/$5
48 OZ BOTTLE...CRISCO VEGETABLE OIL 2/$5
4 PACK...DOUBLE ROLL PIGGLY WIGGLY BATH TISSUE 3/$5
MAYFIELD ICE CREAM 56 OZ TUB 2/$5
SAVINGS
FRESH PRODUCE
3 LB BAG...RED OR GOLD DELICIOUS APPLES 2/$5
ROMA TOMATOES $1.69 lb
12 OZ BAG...FRESH EXPRESS SALAD MIX 4/$5
8 LB BAG...IDAHO POTATOES $2.99
RED SEEDLESS GRAPES $2.99 lb
4 LB BAG...FLORIDA JUICE ORANGES 2/$5
2 LB BAG...SWEET ONIONS 2/$3

# Public Notice

The Greene County Hazard Mitigation Planning Committee will meet on January 21, 2020 at 6:00 p.m. at the Forkland Volunteer Fire Department located at 13319 HWY 43 Forkland, AL 36740. The purpose of the meeting will be to finalize updates for the Division C Hazard Mitigation Plan that includes Greene County and its municipal jurisdictions. The public is invited to attend and participate. Those persons needing information or requiring assistance to participate should contact Iris Sermon, Greene County EMA Director at 205/372-1911at least 24 hours in advance of the meeting.

**Date:** **Tuesday, January 21, 2020**

**Place:** **Forkland Volunteer Fire Department**

**Time:** **6:00 PM**

**This notice posted on** Jan 03 **,2020 at the following locations:**

1. **Eutaw City Hall**
2. **Eutaw Post Office**
3. **Greene County Courthouse**
4. **James C. Poole Jr. Memorial Public Library**

I Sermon

**Signed**

## Cory Johnson

**From:** Cory Johnson
**Sent:** Wednesday, January 15, 2020 8:02 AM
**To:** Charlie McAlpine (cmcalpine6@gmail.com); eutawcityhall@gmail.com; Forkland Clerk (forklandclerk@gmail.com); James Gaines Jr. (rudy2528@aol.com); Raymond Steele (raymondsteele2000@yahoo.com); Sharon Washington (townofboligee@att.net); Town of Union (lee88246@aol.com); Brenda Burke (wburke4142@aol.com); Allen Turner (Turner_Allen@bellsouth.net); Earnestine Wade (white336@netzero.com); Halee Vogt (hajehevo@aol.com); Hattie Samuels (hattiesamuels@att.net); Michael Gibson (mikgs15dg@aol.com); Teresa Head (resaresa89@yahoo.com); Vincent Atkins (greenecowater@bellsouth.net); James Lewis (james.lewis@ctbatl.com); greeneeng@gmail.com; jemorrow1939@gmail.com; lspann1132@gmail.com; smith6394@gmail.com; gemsfor1@bellsouth.net; heathdorman@forestry.alabama.gov; greenecountyems@bellsouth.net; ky5840100@gmail.com; gaines_mollie@yahoo.com; gscrewswalton@bellsouth.net; johnnyburton81@icloud.com; henryharkness4455@yahoo.com
**Cc:** Iris Sermon (isermon@att.net); Hodges Smith (hodgeslena@aol.com)
**Subject:** Dvision C Hazard Mitigation Plan meeting Jan 21

**Importance:** High

**FYI – THIS MEETING IS OPEN TO THE PUBLIC**

The Greene County Hazard Mitigation Planning Committee will meet on **January 21, 2020 at 6:00 p.m. at the Forkland Volunteer Fire Department** located at 13319 HWY 43 Forkland, AL 36740. The purpose of the meeting will be to finalize updates for the Division C Hazard Mitigation Plan that includes Greene County and its municipal jurisdictions. The public is invited to attend and participate. Those persons needing information or requiring assistance to participate should contact Iris Sermon, Greene County EMA Director at 205/372-1911 at least 24 hours in advance of the meeting.

*Cory Johnson*
*Director of Community and Economic Development*
*West Alabama Regional Commission*
*P O Box 509 Northport, AL 35476*
*205-333-2990 Ext. 219*

West Alabama
Regional Commission

# Hale County Participation Items
# PHASE II

# Marengo County Participation Items
# PHASE II

# Demopolis Police Department report

Barnes Street.

2/15/21

• Miscellaneous Offenses (House Fire), East Decatur.

• Criminal Mischief-Damage to Business Property, Sunco.

2/18/21

• Criminal Mischief-Damage to Private Property, passenger front tire slashed; Chevy Silverado, 4th Ave.

• Property Damage, autos; Hyundai; Tucson; WHI, East Pettus.

2/19/21

• Pedestrian in the roadway, Hwy 80 East.

• Criminal Mischief-Damage to Business Property, Sunoco.

• Identity Theft, "Alabama Dept of Labor Seal, Montgomery".

• Theft-Miscellaneous, Coin-Op Laundromat.

• Person Hit by Vehicle, Foster Farm.

2/21/21

• Domestic Violence Third Degree, cash, Homeplace Suites, Apt 09.

• Harassment (Simple Assault), South Front.

2/27/21

• Simple Assault, Wolf Circle.

• Simple Assault, Hwy. 80 East near Jefferson Rd.

• Child Custody Issue, Quail Meadow Apt 502.

• Simple Assault, Hwy. 43 South.

• Gas Drive Off (Self-Service), Fuel, Parr's Texaco.

• Criminal Mischief-Other, Walmart.

• Harassment (Simple Assault), Creekwood, Apt B4.

2/28/21

• Theft-Miscellaneous, License Plate 48BG896, Demopolis Inn Parking Lot.

• Miscellaneous Offense (Property Damage), other handicap sign and pole; BLU, Vowell's Parking Lot.

• Child Abuse-Aggravated-Family, Hackberry Lane.

juana-Possess, Arcola Road.

2/12/21

• Jeremy Walton, 43, Contempt of Court, Domestic Violence Third; East Washington St.

2/14/21

• Terrance Q. Irby, 31, Driving Under the Influence-Alcohol; Hackberry St.

• Kiser D. Jackson, 36, Public Intoxication, Hwy. 80 East.

2/15/21

• Shamar Wallace, 19, Possession of a Concealed Weapon W/O a Permit; Arbors Apt. Complex.

2/18/21

• Tremaine Richardson, 39, Disorderly Conduct/Disturbing Peace, Appears in Public Place Under Influence, Criminal Trespass Third Degree; East Jackson St.

2/19/21

• Joshua A. Fountain, 29, Unauthorized Use of Auto-No-Force, Hwy.

Drug Paraphernalia-2nd Offense, Contempt of Court, Jackson St., Apt 17.

2/26/21

• Maron E. Burton, 60, Harassment-Family, Lem Wilson Drive.

• Audrey A. Haskin, 55, Insufficient Funds Check, East Washington St.

2/27/21

• Eric J. McGhee, 27, Marijuana-Possess, Possession of a Concealed Weapon W/O a Permit; N. Strawberry St

• Robert J. Long, Jr., 61, Public Intoxication, Edgemont Circle.

2/28/21

• Gary A. Etheridge, 30, Appears in Public Place Under Influence, Red Barnes Parking Lot.

• Arthur D. Huckabee, 62, Methamphetamine-Possess, Possession of Marijuana, Drug Paraphernalia-1st Offense; Walmart Parking Lot.



## Notice of Draft Hazard Mitigation Plan Availability

The Division C Regional Multi-Jurisdictional Hazard Mitigation Plan Phase II is available for public review at https://www.atrcdevelopment.net/division-c-drafts. Phase II counties include Dallas, Hale, Marengo, and Sumter Counties. Comments will be received on the draft until March 24, 2021. Comments can be made through form submission at the above site or by email to brandy.wilkerson@atrc.net.

THRIFT STORE
Bigbee Humane Society
115 East Washington Street
Downtown Demopolis
Open Thursday, Friday
& Saturday, 9 a.m. to Noon

# Perry County Participation Items

**Perry County Hazard Mitigation Planning Committee**
**January 14, 2020- 1:00 PM**
**Perry County Courthouse**
**AGENDA**

I. Introduction to Regional Plan Process – Division C

II. Review of Hazard Mitigation Planning Items/Expectations (Handout-PowerPoint)
   A. Planning Process
   B. Risk Assessment
   C. Mitigation Strategies/Capabilities
   D. Plan Maintenance
   E. Adoption

III. Questions/Comments/Concerns

IV. Breakout Time for Participating Jurisdictions

**!!!!Draft plan available at www.atrcdevelopment.net!!!!**

## *The Perry County Hazard Mitigation Planning Committee*

will meet on January 14, 2020 at 1:00 p.m. at the Perry County Court House located at 300 Washington St. Marion, AL 36756. The purpose of the meeting will be to discuss local hazard mitigation issues and to provide input for the Division C Hazard Mitigation Plan that includes Perry County and its municipal jurisdictions. The public is invited to attend and participate. Those persons needing information or requiring assistance to participate should contact DeAndrae Kimbrough, Perry County EMA Director at (334)683-2236 at least 24 hours in advance of the meeting.


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**IF YOU SEE IT, REPORT IT**

APS
ALABAMA DEPARTMENT OF HUMAN RESOURCES
ADULT PROTECTIVE SERVICES
1-800-458-7214



**There's no excuse for ELDER ABUSE**

"This project was supported by Subgrant #16-VA-VS-076 awarded by the Law Enforcement/Traffic Safety Division of ADECA and the U.S. Department of Justice." The opinions, findings, and conclusions or recommendations expressed in this publication/program/exhibition are those of the author(s) and do not necessarily reflect the views of the Department of Justice or grant-making component."



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Baby Regi

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*Sydney & Kyle James .... Baby Bo*

**Division C Regional Hazard Mitigation Plan Perry County Public Meeting #1**

**Marion, AL • January 14, 2020 • 1:00PM**

**SIGN-IN SHEET**

| NAME | ORGANIZATION | PHONE NUMBER | E-MAIL |
|---|---|---|---|
| DeAndrae Kimbrough | Perry County EMA | 334-247-2372 | perryeng@bellsouth.net |
| Mary Zimmerman | ATRC | 334-682-6132 | mary.zimmerman@atrc.net |
| Frances Ford | SSCH | 334-207-5230 | ffordsschs@gmail.com |
| Claudine Heard | Perry Co. E911 | 334-628-2442 | perrycounty911@yahoo.com |
| Sharon Phillips | Perry County Nursing Home | 334.507.6059 | Perryactss@bellsouth.net |
| * Greg Hinton | Perry County Nursing Home | 334-352-2588 | gregpcnh@gmail.com |
| Kafring Easley | Perry Co Extension | (334) 683 6885 | easlekl@auces.edu. |
| Billy Jones | Perry County Sheriff's Office | 334-858-2478 | cpljones53@aol.com |
| Benjamin Eaton | | | |

**Division C Regional Hazard Mitigation Plan Perry County Public Meeting #1**

**Marion, AL • January 14, 2020 • 1:00PM**

**SIGN-IN SHEET**

| NAME | ORGANIZATION | PHONE NUMBER | E-MAIL |
|---|---|---|---|
| Susan Jones | Sowing Seeds of Hope | 334-683-4666 | susandjones@gmail.com |
| Marilyn Smith | Perry County Nsg Home | 334-683-9696<br>334-507-3320 | Perrydon@bellsouth.net |
| Albert Tuscaya | Perry County Commission | 334-850-2475 | Alecm12@hotmail.com |
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**Uniontown Senior Center**
**Hazard Mitigation Discussion**
**2/27/20**

2/27/20

Uniontown

Sign In

Minnie Rawlee
Jacquelyn Pachell
Elnora Hudson
Juanita R. Custard
Sandra Arrington
JoAnn Thomas
Barbara Coleman
Irene Chandler
Norris Montgomery
Jackie Starnes Montgomery

# Perry County Hazard Mitigation Second Meeting

**Due to social distancing restrictions resulting from COVID-19, Perry County could not have the second committee meeting to receive comments on the draft. An ad was placed in the paper directing the public to the draft and requesting comments.**

# Pickens County Participation Items

**PICKENS COUNTY**
**DIVISION C HAZARD MITIGATION PLAN UPDATE**
**MEETING 1**
December 19, 2019 1:30 p.m. at Carrollton Service Center

AGENDA

I. Review of new Division C Hazard Mitigation Plan and process

II. Overview: Plan Update Worksheet elements

III. Review and update Critical Facilities Inventory by jurisdiction

IV. Review goals, objectives, and actions
Update Mitigation Actions/Projects by jurisdiction
Prioritize Mitigation Actions

V. Next steps:
Meeting 2 – January 23, 2020 at 9:00 a.m. /Pickens County Service Center
Review of draft Division C plan
Update on AEMA and FEMA review and revisions

# PICKENS COUNTY

Division C Hazard Mitigation Planning Meeting Sign-In Sheet

Thrusday, December 19, 2019 1:30 p.m.

Pickens County Service Center, Carrollton, AL

**PLEASE PRINT**

| Name | Agency/Title | Phone/Fax | Email |
|---|---|---|---|
| LaKitha Bell | Pickens Co Comm | 205-367-2009 | pcema@centurytel.net |
| | EMA Director | 205-367-2452 | |
| Alfred J. Cooper Sr. | Pickensville Vol. Fir | 205-373-2068 | pickensvill.vfd@outlook.com |
| | Fire Chief | 205-828-1045 | |
| DREW ELMORE | Pickens Co Commissio | 205-399-1293 | drewelmore90@yahoo.com |
| | Commissioner Dist 3 | 205-367-2452 | |
| MARLIN McCool | Pickenco. Commissio | | mmccool5400@Gmail.com |
| | Buildings + Grounds | 205-371-9650 | |
| Cory Johnson | WARC | 205 333-2990 | cory.johnson@westal.org |
| | Planner | 205 333-2713 | |
| Craig Patterson | Town of | 205 364-7111 | gordonmayor@zoo.com |
| | Gordo Mayor | 205 364-8295 | |
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Brian Hamilton
*Editor*

Ann Gates
*Business Manager*

# Pickens County Herald

P.O. Box 390 • Carrollton, Alabama 35447
(205) 367-2217
E-MAIL: pickenscnty@centurytel.net

## AFFIDAVIT OF PUBLICATION OF LEGAL NOTICE

**STATE OF ALABAMA**
**PICKENS COUNTY**

Before me, a Notary Public in and for the county and state above listed, personally appeared Brian Hamilton who, by me duly sworn, deposes and says that:

My name is Brian Hamilton. I am the Editor of the ***Pickens County Herald***. The *Herald* is printed in the English language, has a general circulation and its principal editorial office in the county above listed and has been mailed under a publication class mailing privilege of the United States Postal Service from the post office where it is published at least 51 weeks a year.

The *Herald* published the attached legal notice in the print and/or online issue(s) of:

December 11th, 2019.

A copy of the paper containing the notice was mailed or e-mailed to the person or official placing the legal notice. (If the post office address of the person to whom the notice is directed can be ascertained, a copy should be mailed by the person or official placing the advertisement to the person to whom the notice was directed).

The sum charged for these publications was $ 30.00. The sum charged by the *Herald* for said publication does not exceed the lowest classified rate paid by commercial customers for an advertisement of similar size and frequency in the same newspaper in which the public notice appeared.

There are no agreements between the *Herald* and the officer of attorney charged with the duty of placing the attached legal advertising notices whereby any advantage, gain or profit accrued to said officer of attorney.

B- Hamilton AFFIANT

Sworn and subscribed on December 30 2019

Ann J. Gates NOTARY PUBLIC

My Commission Expires 09/16/2020

# Government

## ordinator's Corner

ıl businesses that you with great Norm Haley, an xtension regional orestry, wildlife ıl resources, said ıese options usu- everal species to m.

ıon Christmas es grown in the ılable at farms are cypress, Virginia ona cypress, East- cedar and white ley said. "Species vendors with pre- often include Douglas fir and ce."

ng ahead of time tree will be deco- help decide what o select. If people y have heavy orna- ıey need a species branches. Certain ave stiffer branches ers.

Arizona cypress, red cedar, blue Fraser fir and Vir- ne all have stiffer s and are good op- heavy decorations," id.

e purchasing or cut- wn a tree, people measure the height and width of the room the tree will be in. This gives you a good idea of how much space your home has for a tree. Haley said the best time to buy a tree depends if the tree is pre-cut or freshly cut. "Expect most trees to last a maximum of three weeks after cutting," he said. "After that, the tree's needles begin to shed and lose fragrance." If purchasing a fresh cut tree or cutting one yourself, it is easier to estimate how long it will last. When buying a precut tree, Haley said the timing can be difficult because it is hard to know exactly when the tree was cut. "For precut trees, I suggest shaking the tree and running your hand down the branches," Haley said. "If the tree is fresh, very few green needles should come off."

Also, when purchasing or cutting a tree, Haley said to make sure the trunk is reasonably straight and that there is only one trunk. Trees with dual or split trunks can be difficult to put in a stand.

Once people bring their perfect tree home, they must cut the stump again and place it in the stand with water. People should continue to check the water levels daily. A fresh cut ensures the tree can take up water. "Fresh cut trees will absorb a great deal of water in the first few days after cutting," Haley said. "Making sure there is always water in the stand prolongs the fragrance and keeps the needles from shedding."

For more on caring for this year's tree, visit Alabama Extension online at www.aces.edu or call the Pickens County Extension Office.

I hope it's easy to see the various ways that Extension can help you! Feel free to contact Your Pickens County Extension Office and put our knowledge, research, and resources to work!

*Jed Smart is a guest columnist for the Pickens County Herald and the Coordinator for Pickens County of the Alabama Cooperative Extension System. He can be reached at (205) 367-8148 or jrs0178@auburn.edu.*

*Advertise with the Herald Today! Call 205-367-2217 or email pickenscnty@centurytel.net*

## PUBLIC NOTICE

The Pickens County Hazard Mitigation Planning Committee will meet on December 19, 2019 at 1:30 p.m. at the Pickens County Service Center located at 149 Reform St., Carrollton, AL 35447. The purpose of the meeting will be to discuss local hazard mitigation issues and to provide input for the Division C Hazard Mitigation Plan that includes Pickens County and its municipal jurisdictions. The public is invited to attend and participate. Those persons needing information or requiring assistance to participate should contact Lakitha Bell, Pickens County EMA Director at 205-367-2009 at least 24 hours in advance of the meeting.

## Inside the Statehouse

The Pickens County Hazard Mitigation Planning Committee will meet on December 19, 2019 at 1:30 p.m. at the Pickens County Service Center located at 149 Reform St, Carrollton, AL 35447. The purpose of the meeting will be to discuss local hazard mitigation issues and to provide input for the Division C Hazard Mitigation Plan that includes Pickens County and its municipal jurisdictions. The public is invited to attend and participate. Those persons needing information or requiring assistance to participate should contact Lakitha Bell, Pickens County EMA Director at 205/367-2009 at least 24 hours in advance of the meeting.

**Date:** **Thursday, December 19, 2019**

**Place:** **Pickens County Service Center**

**Time:** **1:30 PM**

**This notice posted on December 10, 2019 at the following locations:**

1. **Pickens County Courthouse**
2. **Aliceville City Hall**
3. **Reform City Hall**
4. **Gordo City Hall**
5. **Pickensville Town Hall**

**Signed**

**PICKENS COUNTY**
**DIVISION C HAZARD MITIGATION PLAN UPDATE**
**MEETING 2**
# January 23, 2020 9:00 p.m. Pickens County Service Center

*AGENDA*

I. Overview of draft plan sections
View on line at www.atrcdevelopmnet.net

II. Review of critical facilities and draft tables

III. Mitigation Strategy:

a. Sample Mitigation Strategies

b. Draft Action Plans
- Goal and Action Definitions

IV. Next steps:

a. Completion of Draft Plan
b. State EMA Review/Revisions
c. FEMA Review/Revisions
d. Adopting Resolutions

V. Adjourn

# PICKENS COUNTY

Division C Hazard Mitigation Planning Meeting Sign-In Sheet

Thrusday, January 23, 2020 9:00 a.m.

Pickens County Service Center, Carrollton, AL

PLEASE PRINT

| Name | Agency/Title | Phone/Fax | Email |
|---|---|---|---|
| Donald Sherrod | Mayor | 205-454-3149 | dnldsherrod@aol.com |
| LaKitha Bell | Pickens EMA Director | 205-367-2009<br>205 367-2452 | pcema@centurytel.net |
| Shirley Fields | Clerk<br>Town Pickensville | 205-373-2068<br>205-373-2068 | ttown012@centurytel.net |
| Marva Gipson | Alliceville Mayor | 205.463.6382 | buntgipson@yahoo |
| Alfred S. Cooper | Pickensville Fire Chief | 205-828-1045 | pickensville.vfd@outlook.com |
| Bennie E. Harton | Reform Mayor | 205-375-6439 | cityofreform@att.net |
| Cory Johnson | WARC | 205 333-2990<br>205-333-2713 | Cory.Johnson@westal.org |
| Countess King | WARC | 205-333-2990 | planning.intern@westal.org |
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Brian Hamilton
*Editor*

Ann Gates
*Business Manager*

# Pickens County Herald

P.O. Box 390 • Carrollton, Alabama 35447
(205) 367-2217
E-MAIL: pickenscnty@centurytel.net

## AFFIDAVIT OF PUBLICATION OF LEGAL NOTICE

**STATE OF ALABAMA**
**PICKENS COUNTY**

Before me, a Notary Public in and for the county and state above listed, personally appeared Brian Hamilton who, by me duly sworn, deposes and says that:

My name is Brian Hamilton. I am the Editor of the ***Pickens County Herald.*** The *Herald* is printed in the English language, has a general circulation and its principal editorial office in the county above listed and has been mailed under a publication class mailing privilege of the United States Postal Service from the post office where it is published at least 51 weeks a year.

The *Herald* published the attached legal notice in the print and/or online issue(s) of:

January 15, 2020.

A copy of the paper containing the notice was mailed or e-mailed to the person or official placing the legal notice. (If the post office address of the person to whom the notice is directed can be ascertained, a copy should be mailed by the person or official placing the advertisement to the person to whom the notice was directed).

The sum charged for these publications was $ 30.00. The sum charged by the *Herald* for said publication does not exceed the lowest classified rate paid by commercial customers for an advertisement of similar size and frequency in the same newspaper in which the public notice appeared.

There are no agreements between the *Herald* and the officer of attorney charged with the duty of placing the attached legal advertising notices whereby any advantage, gain or profit accrued to said officer of attorney.

AFFIANT

Sworn and subscribed on January 31, 2020

NOTARY PUBLIC

My Commission Expires 09/16/2020

guidelines for Flag Disposal will be strictly followed. Anyone can turn in worn or damaged American Flags to Post 40 on the last Saturday afternoon of every month. The Post is located at 228 South Main Street, Gordo, Alabama 35466. All veterans are welcome to attend regular Post meetings on the third Thursday of each month at 7:00 p.m.

## Kids & Kin

The following Kids & Kin programs will be held from 10 a.m. until 12 p.m.

## League of Women Voters Plans Meet Your Legislators Jan. 21

A "Meet Your Legislators Night" highlighting proposed actions of the 2020 legislative session is planned for Jan. 21, 2020, and is sponsored by the League of Women Voters of Greater Tuscaloosa. Co-sponsors are the Osher Lifelong Learning Institute (OLLI) and the University of Alabama Retirees Association

## Wednesday (W.O.W)

Pickens County Community Action will host an employment training program called Working on Wednesdays (W.O.W.) every Wednesday from 9 a.m. - 11 a.m. or 1:30 p.m. - 3:30 p.m. starting in January. The purpose of this program is to bridge the gap in unemployment.

*Email your events to pickenscnty@centurytel.net or call (205) 367-2217.*


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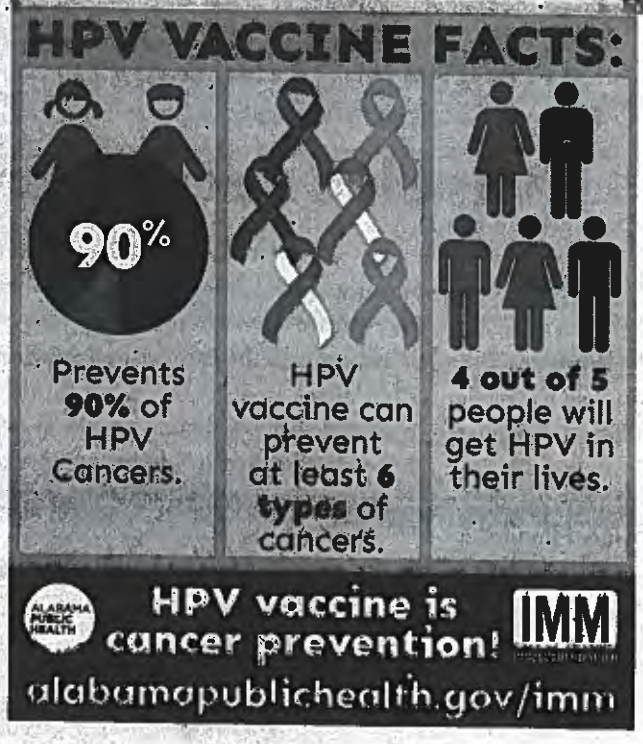
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## PUBLIC NOTICE

The Pickens County Hazard Mitigation Planning Committee will meet on January 23, 2020 at 9:00 a.m. at the Pickens County Service Center located at 149 Reform St, Carrollton, AL 35447. The purpose of the meeting will be to finalize updates for the Division C Hazard Mitigation Plan that includes Pickens County and its municipal jurisdictions. The public is invited to attend and participate. Those persons needing information or requiring assistance to participate should contact Lakitha Bell, Pickens County EMA Director at 205/367-2009 at least 24 hours in advance of the meeting.

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**Date:** **Thursday, January 23, 2020**

**Place:** **Pickens County Service Center**

**Time:** **9:00 AM**

**This notice posted on January 15, 2020 at the following locations:**

1. **Carrollton City Hall**
2. **Aliceville City Hall**
3. **Pickens County Courthouse**
4. **Gordo City Hall**
5. **Reform City Hall**

**Signed**

**Cory Johnson**

**From:** Cory Johnson
**Sent:** Wednesday, January 15, 2020 8:03 AM
**To:** Bobby Bain (bbdb@frontiernet.net); Bobby Ingram (bobbyingramsr@gmail.com); Cheryl Bowles (admin54@earthlink.net); Drew Elmore (drewelmore90@yahoo.com); Mark Gray (markgray7008@gmail.com); Dineki McCaa (dmccaa@nctv.com); Marva Gipson (buntgipson@yahoo.com); Chuck McDaniel (cmcjr.12@hotmail.com); ebgoodson@yahoo.com; Freddy Lowe (waah@centurytel.net); Mickey Walker (mickeyw563@gmail.com); Phillip Trull (dtrull1171@yahoo.com); Sherman Mayhew (mayhew_sherman@yahoo.com); Terisa Stone (terisa1266@gmail.com); Craig Patterson (gordomayor@aol.com); Floy Goode (flomago@yahoo.com); Jerome Dixon (dixonj4 @cintas.com); Jim Elmore (gordoelmores@aol.com); Kay Perkins (kperkins001 @centurytel.net); Terence Williamson (williamsonte@gmail.com); Tim Washington (Twash8@gmail.com); Geraldine Sawyer (councilsawyer@outlook.com); mayormccaa@outlook.com; Donald Sherrod (dnldsherrod@aol.com); Bennie Harton - City of Reform (mayorofreform@nctv.com); City of Reform (cityofreform@nctv.com); Shirley Fields (ttown012@centurytel.net); mcdaniels@pickens.k12.al.us; Tony Junkin (tjunkin@fnbca.com); Edgar Pruitt (alicevilleareachamber@gmail.com); hinton.evelyn@ymail.com; Gordo Area Chamber; pickensvillevfd@outlook.com; mmccool5400@gmail.com; pickensengineer2@yahoo.com; pickensso@yahoo.com
**Cc:** Pickens EMA (pcema@centurytel.net)
**Subject:** Division C Hazard Mitigation Plan meeting Jan 23

**Importance:** High

**FYI - THIS MEETING IS OPEN TO THE PUBLIC**

The Pickens County Hazard Mitigation Planning Committee will meet on **January 23, 2020 at 9:00 a.m. at the Pickens County Service Center** located at 149 Reform St, Carrollton, AL 35447. The purpose of the meeting will be to finalize updates for the Division C Hazard Mitigation Plan that includes Pickens County and its municipal jurisdictions. The public is invited to attend and participate. Those persons needing information or requiring assistance to participate should contact Lakitha Bell, Pickens County EMA Director at 205/367-2009 at least 24 hours in advance of the meeting.

*Cory Johnson*
*Director of Community and Economic Development*
*West Alabama Regional Commission*
*P O Box 509 Northport, AL 35476*
*205-333-2990 Ext. 219*

West Alabama
Regional Commission

# Sumter County Participation Items
# PHASE II

# SUMTER COUNTY RECORD JOURNAL

McGraw Publishing Company Inc.
210 S. Washington St. | P. O. Box B | Phone
Livingston, AL 35470 | Livingston, AL 35474 | (205) 652-6100

## AFFIDAVIT OF PUBLICATION

The Sum Charged by the Newspaper for said publication is the actual lowest classified rate

STATE OF ALABAMA
SUMTER COUNTY

Before me, the undersigned authority in and for said State and County, personally appeared Tommy McGraw, who is known to me, and who being by me first duly sworn, deposes and says:

That he is the publisher of the Sumter County Record Journal, a newspaper published at Livingston, in Sumter County, Alabama, and that the said Sumter County Record Journal is of general circulation in said County, and has been mailed under a Periodicals Postage paid mailing privilege at the United States Post Office at Livingston, Alabama, regularly each and every week for a period of more than fifty-two (52) consecutive weeks prior to the publication of the Legal Notice, or Advertisement, of which a copy is hereto attached, and further that said Legal Notice, or Advertisement, was published in said newspaper, Sumter County Record Journal

for 1 consecutive weeks, to-wit:

in the issues dated:

1st date of publication March 11, 20 21

2nd date of publication _____, 20_____

3rd date of publication _____, 20_____

4th date of publication _____, 20_____

and that each of the above specified issues was duly circulated among the subscribers of said newspaper.

LEGAL PUBLICATION STATEMENT

_____ (Words) or 2.5 X 2.5" (Display) ( 1 times) at $.60 (cents) or $6.60 (per col. inch)

I hereby certify that this is a true, correct statement.

Total amount due 41.56

paid by commercial customers for an advertisement of similar size and frequency in the same newspaper(s) in which the public notice appeared. There are no agreements between Sumter County Record Journal and the officer or attorney charged with the duty of placing the attached legal advertising notices whereby any advantage, gain or profit accrued to said officer or attorney.

Tommy McGraw
Publisher of the Sumter County Record Journal

Subscribed and sworn before me this the 11th day of March, 20 21.

Notary Public

meter relay in 4:04.59. Harding University's team won the even with a time of 3:55.89. The team travels to Mobile, Alabama for the South Alabama Invitational.

# UWA sports shorts

**Women's Soccer Falls on the Road to Delta State**

The Lady Statesmen handed the UWA women's soccer team its second straight GSC loss with a 2-1 triumph Monday at Parker Field at McCool. UWA falls to 3-2 overall and 2-2 in GSC play. DSU improves to 5-0-1 overall and 3-0-1 league play. West Alabama closes out their GSC regular season as the Tigers host Alabama Huntsville Friday at Mississippi College improved to 4-0 both overall and in league play.

**Big Innings Propel DSU to Win**

Delta State used a pair of big innings on the way to a 14-4 Gulf South Conference baseball victory over West Alabama Sunday at Ferriss Field. The win kept the Statesmen from being swept in the series and improved DSU to 5-7 overall, 5-7 in league play.

tackle for loss and forced a fumble.

"It definitely felt different than being out at practice," Lilly said. "Hats off to our defense. What I saw today was very promising, but there is a lot of room to improve, especially in our tackling and communication."

West Alabama defenders broke up 11 passes, with TJ Newell slapping away three. Chris Terrell and Rakeem Terry were involved in tackles for loss. SchDarren Archie forced a fumble. De Mays and Terrance

with a 3-1 win to earn the first victory of the season Saturday

# the Graduation Edition

Dear Senior Graduates and Parents/Grandparents: It's time again for graduation, and *Sumter County Record Journal* is publishing our special keepsake Graduation Edition. We are offering a special ad for graduating Seniors to be included in this keepsake edition. The cost of the 2x2 is $35.00; a sample size is shown below. You may include a picture of your Senior student. Parents do not need to purchase a congratulations ad for their senior to be in the edition. Senior photos and bios should be turned in to Mrs. Merriweather at SCHS or emailed to scrjmedia@yahoo.com and run for free.

If you would like to place a Senior Graduate ad in the Graduation Edition, simply return this form with the information completed below, and your payment of $35 to Sumter County Record Journal.

**You can pay online at recordjournal.net. Click on the Advertise page. Please email the photo and information to scrjmedia@yahoo.com** or bring it by the office at 210 S. Washington St. in



*can to make sure children get access to healthy, nutritious meals regardless of their families' financial circumstances," said Agriculture Secretary Tom Vilsack.*

"Our child nutrition professionals are doing a heroic job ensuring kids across the country able in all areas at no cost;

Allow meals to be served outside of the normally required group settings and meal times; and Allow parents and guardians to pick-up meals for their children, including bulk pick-up to cover multiple days of feeding children. Right now, up to 12

using this guidance as early as possible to empower communities to establish as many meal sites as they can effectively manage this summer. To learn more about how the program works

America, and continuing to equity across the Department by removing systemic barriers and building a workforce more representative of America. To learn more, visit www.usda.gov.

Carrie was employed as a custodian at Butler Elementary School, Butler. She loved her

West Alabama Mental Health Board, Inc.is applying to the Alabama Department of Transportation for a federal capital funding grant under Section 5310 of the Federal Transit Act. This funding is for capital assistance to help meet the transportation needs of individuals with disabilities in Choctaw, Greene, Hale, Marengo and Sumter Counties. A public hearing will be held on Tuesday, March 16, 2021at 4:00 pm in the conference room at West Alabama Mental Health Center, 1215 South Walnut Avenue, Demopolis, AL 36732 for public comments.

Contact information:
West Alabama Mental Health Board, Inc.
1215 South Walnut Avenue
Demopolis, AL
(334) 289-2410

## Notice of Draft Hazard Mitigation Plan Availability

The Division C Regional Multi-Jurisdictional Hazard Mitigation Plan Phase II is available for public review at https://www.arcdevelopment.net/division-c-drafts. Phase II counties include Dallas, Hale, Marengo, and Sumter Counties. Comments will be received on the draft until March 24, 2021. Comments can be made through form subm[illegible] on at [illegible]/above site or by email to brandy.willkerson@arc.net.

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# Tuscaloosa County Participation Items

# TUSCALOOSA COUNTY EMERGENCY MANAGEMENT AGENCY

7400 Richard M. Pierce Parkway, Northport, AL 35473
PH: 205-349-0150 ema@tuscco.com
www.TuscaloosaCountyEMA.org


---

**Tuscaloosa County**

**Division C Hazard Mitigation Plan Update**

**Sub-Committee Meeting**

**January 7, 2020 9:00 A.M. @ Tuscaloosa County EMA**

## Agenda

I. Roll Call by Jurisdictions/Sign in Sheet complete

II. Review the purpose and role of LEPC Hazard Mitigation Sub-Committee

III. Review of New Division C Hazard Mitigation Plan and Process/Dates
   A) January 7, 2020
   B) January 28, 2020 @ 9:30 A.M. (Annex Downtown) 1st Public Meeting
   C) February 18, 2020 @ 9:30 A.M.(Annex Downtown) 2nd Public Meeting
   D) Final Date April 27, 2020 (Draft Date)
   E) Plan Expiration **(October 2020)**

IV. Community Action Plan review and update

V. Adjourn

**LEPC HM Sub-Committee Members**

**1/20/20 – HM Subcommittee Called Meeting**

**City of Tuscaloosa (4 members)**

Thirl Alexander, Urban Development

Stacy Vaughn, ESD

Savannah Howell, IPS Administration

Stephen Daly, Water & Sewer

**City of Northport (2 members)**

John Powell Webb, ~~Staff Engineer~~ Utilities Director

Brooke Starnes, Public Works Director

**Tuscaloosa County (4 Members)**

Farrington Snipes

Rob Robertson

Mike Henderson

Rod Coleman

**Town of Brookwood**
Duane Garner

**Town of Coker**
Steve Hysaw

**Town of Coaling**
Sylvia Rouse

**Town of Vance**
Harold McAdory

**Town of Lake View**
Paul Calhoun

**Tuscaloosa County Hazard Mitigation Subcommittee**
**January 7, 2020**
**Tuscaloosa County EOC**
**9 AM**

| NAME | AGENCY/TITLE | E-MAIL ADDRESS | PHONE NUMBER |
|---|---|---|---|
| Nick Colley | TCEMA / Director | ncolley@tuscco.com | 205-614-7368 |
| Sarah Johnston | UA OEM / Manager | sej@ua.edu | (205) 348-1103 |
| Donald Keith | UA OEM | donald.keith@ua.edu | 205-348-4386 |
| * Michelle Babin | Comm. Dev. | Mbabin@Tuscco.com | 205-464-8225 |
| Jon Lombert | Tuscaloosa Co. EMA | jlombert@tuscco.com | 205-349-0150 |
| Dianna Dollar | Tuscaloosa County EMA | ddollar@tuscco.com | 205-349-0150 |
| Cory Johnson | WARC / CED Director | Cory.Johnson@westal.org | 205-333-2990 |
| Countess King | WARC / Planning intern | planning-intern@WESTAL.org | 205-333-2990 |
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* on other sign in also.

# TUSCLAOOSA COUNTY

Division C Hazard Mitigation /University of Alabama OEM

Friday, January 17, 2020 9:00 a.m.
West Alabam Regional Commission offices

**PLEASE PRINT**

| Name | Agency/Title | Phone/Fax | Email |
|---|---|---|---|
| SARAH JOHNSTON | UA OEM<br>Manager | (205)348-1103 | sej@ua.edu |
| DONALD KEITH | UA OEM<br>DIRECTOR | 205-348-4386 | donald.keith@ua.edu |
| LOGAN DENSON | UA OEM<br>Intern | 205-275-1143 | jldenson@crimson.ua.edu |
| Dennis Stripling | WARC<br>EX. Dir | | |
| Dianna Dollar | Tuscaloosa Co EMA<br>Deputy Director | 205-349-0150<br>205-349-0198 | ddollar@tuscco.com |
| Nick Lolley | Tuscaloosa Co EMA<br>Director | 205-614-7368 | nlolley@tuscco.com |
| Cory Johnson | WARC<br>CED Director | 205 333-2990 | Cory.Johnson@westal.org |
| Countess King | Planning intern | | |
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**TUSCALOOSA COUNTY**
**DIVISION C HAZARD MITIGATION PLAN UPDATE**
**MEETING 1**
January 28, 2020 9:30 a.m. at Northport Civic Center

AGENDA

I. Review of new Division C Hazard Mitigation Plan and process

II. Overview: Plan Update Worksheet elements- *review worksheet*
*See draft plan sections at www.atrcdevelopment.net*

III. Review and update Critical Facility Inventories by jurisdiction

IV. Review Mitigation Strategy
Update Mitigation Actions/Projects by jurisdiction

V. Next steps:
Meeting 2 – February 18, 2020 at 9:30 a.m. /Northport Civic Center

.

# TUSCLAOOSA COUNTY

Division C Hazard Mitigation Planning Meeting Sign-In Sheet

Monday, January 28, 2020 9:30 a.m.

Northport Civic Center

**PLEASE PRINT**

| Name | Agency/Title | Phone/Fax | Email |
|---|---|---|---|
| GARY AVERETT | COALING MAYOR | 205-454-9656 205-507-0366 | gaverett@coalingalabama.com |
| Brenda Morrison | Vance Mayor | 205-553-8274 | bmorrison@townofvance.com |
| Dianne Averett | Council Vance | 205-553-8278 | jdianneaverett@charter.net |
| DUANE GARNER | Brookwood fire chief | 205-394-7131 205-554-2674 | bwoodfire@att.net |
| ASHLEY CRITES | City TCSU dir. of planning | 205-2485131 | ACRITES@tuscaloosa.com |
| David Hartin | TCI CEMA | 205 292 8939 | dhartine comcast.net |
| SARAH JOHNSTON | UA OEM | 205-348-1103 | sej@ua.edu |
| DONALD KEITH | UA OEM | (205) 348-4396 | donald.keith@ua.edu |
| JAMES McKinney | City of Northport | 205 342 3636 | JRmckinney@cityofnorthport.com |
| JOEY OLIVE | City of NORTHPORT | 205-333-3003 | JOLIVE@CityofNORTHPORT.ORG |
| Michelle Babin | Comm. Development | 205-464-8225 | MBabin@Tusco.com |
| Scott Anders | Tuscaloosa County Engineering | 205.345.6600 | sanders@tusco.com |
| MIKE HENDERSON | ENGINEERING | 205-345-6600 | MHENDERSON@TUSCCO.COM |

# TUSCLAOOSA COUNTY

Division C Hazard Mitigation Planning Meeting Sign-In Sheet

Monday, January 28, 2020 9:30 a.m.

Northport Civic Center

**PLEASE PRINT**

| Name | Agency/Title | Phone/Fax | Email |
|---|---|---|---|
| Jon Lambert | TEMA | 349 0150 | ~~jlambert@tusc~~ jlambert@tuscco.com |
| Savannah Howell | City of Tuscaloosa | 248-5700 | showell@tuscaloosa.com |
| Jarrod Milligan | City of Tuscaloosa | 248 5253 | j.milligan@tuscaloosa.com |
| Nick Lolley | Tuscaloosa County EMA | 614-7368 | nlolley@tuscco.com |
| Howard Stuart | City of Tuscaloosa | 248-5129 | hstuart@tuscaloosa.com |
| Dianna Dollar | TCEMA | 349-0150 | ddollar@tuscco.com |
| Countess King | WARC | 205-333-2990 | planning.intern@westal.org |
| Cory Johnson | WARC | 205-333-2990 | cory.johnson@westal.org |
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The Tuscaloosa News

P.O. Box 20587, Tuscaloosa, Alabama 35402
205-722-0155

**ADVERTISING AFFIDAVIT**
**STATE OF ALABAMA**
**TUSCALOOSA COUNTY**

Before me, Carla Gillespie, a Notary Public in and for said State, personally appeared Maria Wince, known to me, who being by me first duly sworn, deposes and says that said person is the Legal Clerk of The Tuscaloosa News, a daily newspaper published and printed at Tuscaloosa, Tuscaloosa County, Alabama, and that the attached legal notice was published in said newspaper on:

January 21, 2020

**Maria Wince**
Legal Clerk

Subscribed and sworn to before me on the

21st day of January, 2020.

Carla Gillespie
Notary Public

CARLA GILLESPIE NOTARY PUBLIC ALABAMA STATE AT LARGE COMMISSION EXPIRES JUN 26, 2022

**LEGAL NOTICE**
**PUBLIC NOTICE**

The Tuscaloosa County Hazard Mitigation Planning Committee will meet on January 28, 2020 at 9:30 a.m. at the Northport Civic Center - 3500 McFarland Blvd. Northport, AL 35476. The purpose of the meeting will be to discuss local hazard mitigation issues and to provide input for the Division C Hazard Mitigation Plan that includes Tuscaloosa County and its municipal jurisdictions. The public is invited to attend and participate. Those persons needing information or requiring assistance to participate should contact Nick Lolly, Tuscaloosa County EMA Director at 205/349-0150 at least 24 hours in advance of the meeting.

THE TUSCALOOSA NEWS
January 21, 2020

# Public Notice

The Tuscaloosa County Hazard Mitigation Planning Committee will meet on January 28, 2020 at 9:30 a.m. at the Northport Civic Center - 3500 McFarland Blvd, Northport, AL 35476 The purpose of the meeting will be to discuss local hazard mitigation issues and to provide input for the Division C Hazard Mitigation Plan that includes Tuscaloosa County and its municipal jurisdictions. The public is invited to attend and participate. Those persons needing information or requiring assistance to participate should contact Nick Lolly, Tuscaloosa County EMA Director at 205/349-0150 at least 24 hours in advance of the meeting.

**Date:** **Tuesday, January 28, 2020**

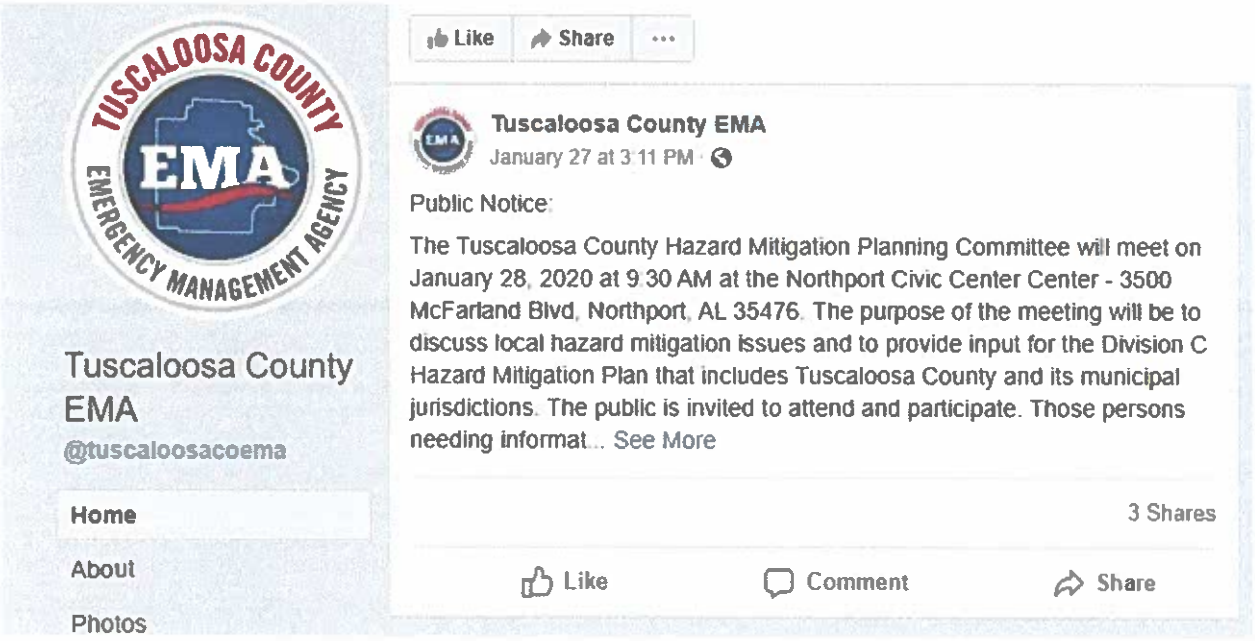
**Place:** **Northport Civic Center**

**Time:** **9:30 AM**

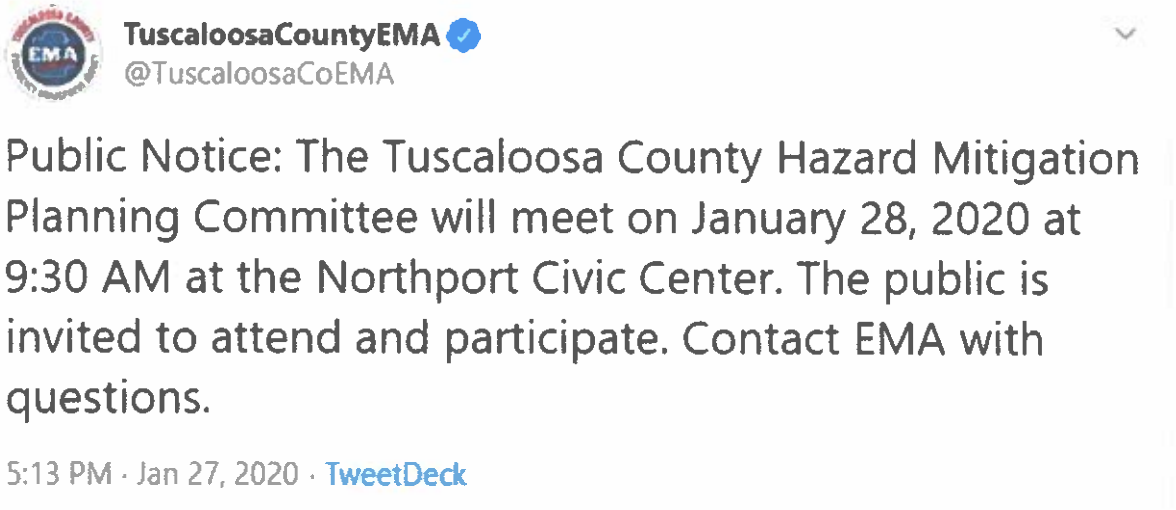
**This notice posted on <u>January 17, 2020</u> at the following locations:**

1. **Tuscaloosa County Courthouse Bulletin Board**
2. **Tuscaloosa City Hall**
3. **Northport City Hall**
4. **Tuscaloosa County License Commissioner Office**
5. **Tuscaloosa County Emergency Operations Center**

**Signed**




Facebook post on Tuscaloosa County EMA's public page




Tuscaloosa County EMA Twitter post

# Tuscaloosa County Hazard Mitigation Planning Committee Holds Public Meetings

**January 17, 2020**

The Tuscaloosa County Hazard Mitigation Planning Committee will meet on January 28, 2020 at 9:30 AM at the Northport Civic Center - 3500 McFarland Blvd, Northport, AL 35476. The purpose of the meeting will be to discuss local hazard mitgiation issues and to provide input for the Division C Hazard Mitigation Plan that includes Tuscaloosa County and its municipal jurisdictions.

A second meeting will be held on February 18, 2020, also at the Northport Civic Center at 9:30 AM.

The public is invited to attend and participate. Those persons needing information or requiring assistance to participate should contact Tuscaloosa County EMA using the contact form located HERE or by calling the EMA office.

**TUSCALOOSA COUNTY**
**DIVISION C HAZARD MITIGATION PLAN UPDATE**
**MEETING 2**
**February 18, 2020 9:30 a.m.**
**Northport Civic Center**
*AGENDA*

I. Overview of draft plan sections
View on line at www.atrcdevelopment.net

Submitting Comments

II. Review of updated critical facilities list

III. Finalize Mitigation Actions: Complete Tasks 1 & 2

IV. Next steps:

a. Completion of Draft Plan
b. State EMA Review/Revisions
c. FEMA Review/Revisions
d. Adopting Resolutions

V. Adjourn

# TUSCLAOOSA COUNTY

Division C Hazard Mitigation Planning Meeting Sign-In Sheet

Tuesday, February 18, 2020 9:30 a.m.

Northport Civic Center

**PLEASE PRINT**

| Name | Agency/Title | Phone/Fax | Email |
|---|---|---|---|
| Collins Espy | Brookwood Engineer | 205-330-0098<br>205-330-0099 | pcespy@thecass.mdylco.com |
| Jeannette Byrd | Tuscaloosa Co Public Works Mapping/GIS | 205-345-6600 | jbyrd@tuscco.com |
| David Patrick | Tus Co Schools | 205-342-2930 | dpatrick@tcss.net |
| Case O'Dell | City of Tuscaloosa | 205 534 1018 | codell@tuscaloosa.com |
| Steve Hysin | Culver | 205-534-4413 | Steve@Culverandhysinl.com |
| Mike Henderson | Tuscaloosa County | 205 345 6600 | MHENDERSON@Tuscco.com |
| Michelle Babin | Comm. Development | 205-464-8225 | Mbabin@Tuscco.com |
| Jon Lambert | Tuscaloosa EMA | 349 0150 | jlambert@tuscco.com |
| Ryan Sabbagh<br>Laura Massengill | Tuscaloosa County | 205.361.0078 | rsabbagh@tuscco.com |
| Howard Stuart | Associate Bldg. OFFICIAL | 205-248-5129 | hstuart@tuscaloosa.com |
| Savannah Howell | COT IPS | 205-248-5700 | showell@tuscaloosa.com |
| Jarod Milligan | COT IPS | 205 248 5700 | jmilligan@tuscaloosa.com |
| JAMES McKinney | City of Northport | 205-342-3636 | JRmckinney@cityofnorthport.us |

# TUSCLAOOSA COUNTY

Division C Hazard Mitigation Planning Meeting Sign-In Sheet

Tuesday, February 18, 2020 9:30 a.m.

Northport Civic Center

**PLEASE PRINT**

| Name | Agency/Title | Phone/Fax | Email |
|---|---|---|---|
| Megan Campbell | UA OEM | | em@ua.edu |
| SARAH JOHNSTON | UA OEM<br>Manager | (205) 348-1103 | sjohnston@fa.ua.edu |
| Sidney Bostick | Director<br>Safety Coord/EP | 205-343-8263 | Sidney.Bostick@DCHsystem.com |
| David Martin | EMT | 205 292 8839 | dmartinc@comcast.net |
| George Pickle | Town of Lake View | 205 854-5286 | grpickle1957@aim.com |
| DUANE GARNER | TOWN of Brookwood | 205-394-7131 | bwoodfire@att.net |
| JOEY CLIVE | City of NORTHPORT | 205.333-3003 | JCLIVE@CITYOFNORTHPORT.ORG |
| GARY AVERETT | TOWN OF COALING | 205-507-0200<br>205-507-0366 | gaverett@coalingalabama.com |
| TOMMY DOCKERY | ADPH<br>EP Director | (205) 554-4539 | tommy.dockery@adph.state.al.us |
| Cory Johnson | WARC | | |
| Countess King | WARC | | |
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The Tuscaloosa News

P.O. Box 20587, Tuscaloosa, Alabama 35402
205-722-0155

**ADVERTISING AFFIDAVIT**
**STATE OF ALABAMA**
**TUSCALOOSA COUNTY**

Before me, Carla Gillespie, a Notary Public in and for said State, personally appeared Maria Wince, known to me, who being by me first duly sworn, deposes and says that said person is the Legal Clerk of The Tuscaloosa News, a daily newspaper published and printed at Tuscaloosa, Tuscaloosa County, Alabama, and that the attached legal notice was published in said newspaper on:

February 11, 2020

**Maria Wince**
Legal Clerk

Subscribed and sworn to before me on the

11th day of February, 2020.

Carla Gillespie
Notary Public

CARLA GILLESPIE
NOTARY PUBLIC
COMMISSION EXPIRES
JUN 26, 2022
ALABAMA STATE AT LARGE

**LEGAL NOTICE**
PUBLIC NOTICE

The Tuscaloosa County Hazard Mitigation Planning Committee will meet on February 18, 2020 at 9:30 a.m. at the Northport Civic Center - 3500 McFarland Blvd, Northport, AL 35476. The purpose of the meeting will be to finalize updates for the Division C Hazard Mitigation Plan that includes Tuscaloosa County and its municipal jurisdictions. The public is invited to attend and participate. Those persons needing information or requiring assistance to participate should contact Nick Lolly, Tuscaloosa County EMA Director at 205/349-0150 at least 24 hours in advance of the meeting.

THE TUSCALOOSA NEWS
February 11, 2020

# Public Notice

The Tuscaloosa County Hazard Mitigation Planning Committee will meet on **February 18, 2020 at 9:30 a.m.** at the Northport Civic Center - 3500 McFarland Blvd, Northport, AL 35476. The purpose of the meeting will be to finalize updates for the Division C Hazard Mitigation Plan that includes Tuscaloosa County and its municipal jurisdictions. The public is invited to attend and participate. Those persons needing information or requiring assistance to participate should contact Nick Lolly, Tuscaloosa County EMA Director at 205/349-0150 at least 24 hours in advance of the meeting.

**Date:** **Tuesday, February 18, 2020**

**Place:** **Northport Civic Center**

**Time:** **9:30 AM**

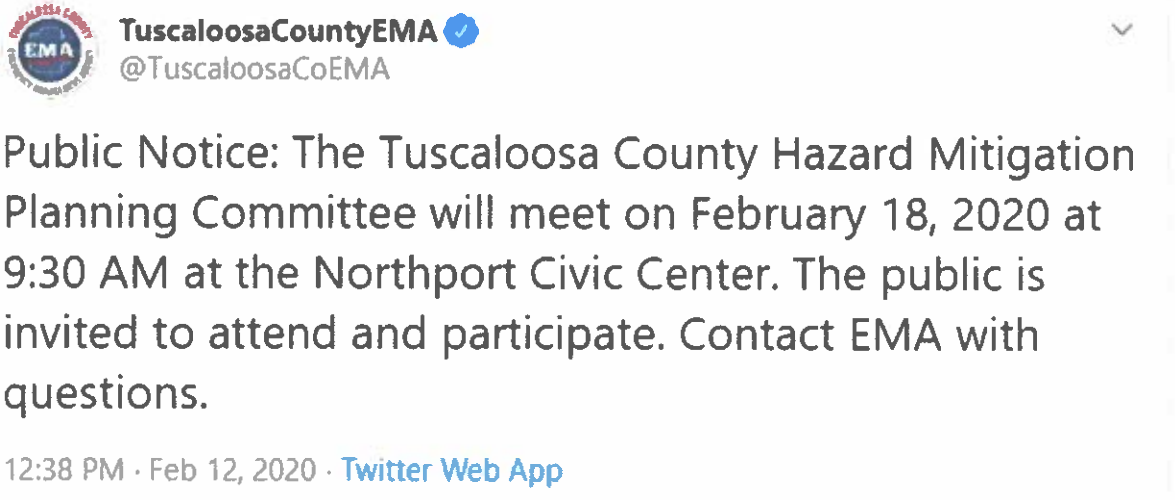
**This notice posted on February 3, 2020 at the following locations:**

1. **Tuscaloosa County Courthouse Bulletin Board**
2. **Tuscaloosa City Hall**
3. **Northport City Hall**
4. **Tuscaloosa County License Commissioner Office**
5. **Tuscaloosa County Emergency Operations Center**

**Signed**




Facebook post




Tuscaloosa County EMA Twitter

# Wilcox County Participation Items

**Wilcox County Hazard Mitigation Planning Committee**
**January 28, 2020- 5:00 PM**
**Wilcox County Courthouse Annex**
**AGENDA**

I. Introduction to Regional Plan Process – Division C

II. Review of Hazard Mitigation Planning Items/Expectations (Handout-PowerPoint)
   A. Planning Process
   B. Risk Assessment
   C. Mitigation Strategies/Capabilities
   D. Plan Maintenance
   E. Adoption

III. Questions/Comments/Concerns

IV. Breakout Time for Participating Jurisdictions

**!!!!Draft plan available at www.atrcdevelopment.net!!!!**

The Entire Project Shall Be Completed In Forty (40) Working Days. A 2% DBE Contract Obligation Is Required.

partment of Transportation, proposals will be issued only to prequalified contractors or their authorized representatives, upon requests that are received before 10 AM., on the day previous to the day of opening of bids.

The bidder's proposal must be submitted on the complete original proposal furnished him or her by the Alabama Department of Transportation.

The Alabama Department of Transportation, in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 U.S.C. 2000D TO 2000D-4 and Title 49 code of Federal Regulations, Department of Transportation, Subtitle A, Office of The Secretary, Part 21, nondiscrimination in federally-assisted programs of the Department of Transportation issued pursuant to such act, hereby notifies all bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, religion, sex, or national origin in consideration for an award.

two chains and seven links to a lightwood post on Section line between Sections 19 & 20, thence North eight chains and ten links to starting point, containing in said lot 2.30 acres, more or less. Being the same lot conveyed to Annie Brice Miller on January 26, 1912 by B. M. Miller and John Miller, as executors of the will of J. N. Miller, deceased, and recorded in Deed Book PP, page 342, Probate Records of Wilcox Co., AL.

This sale is made for the purpose of paying the indebtedness secured by said mortgages as well as the expenses of foreclosure, the charges as provided therein including a reasonable attorney's fee and the purpose of such sale will be applied in accordance with the terms and conditions of said mortgages.

COMMUNITY NEIGHBOR BANK
Successor by Conversion From
Camden National Bank
Mortgagee

WILLIAM G. FENDLEY
Attorney for Mortgagee
Post Office Box 261
Camden, Alabama 36726
3tc1/29

(Continued on Page 3B)

COX
PROPANE
82-4904
rne Street

D & HEATING LLC
e 1976"
rrier
ne experts
410 Lincoln Road
Camden Al 36726
Al License #83095

## y Numbers

Mediacom - 334-636-5917.
Galaxy - 251-275-3118.
Dish Network - 866-508-2185.
Direct TV - 888-777-2454.
South Alabama Gas - 800-273-8055.
City of Camden Water - 334-682-4603.
Town of Pine Hill - 334-963-4351.
Wilcox Co. Water Solutions - 334-682-4208.
American Red Cross - 1-866-438-4636
Salvation Army - 334-872-1646 or 1-800-SAL-ARMY.

## PUBLIC NOTICE

The Wilcox County Hazard Mitigation Planning Committee will meet on
January 28, 2020 at 5:00 p.m.
at the Wilcox County Courthouse Annex
located at 12 Water St, Camden, AL 36726.
The purpose of the meeting will be to discuss local hazard mitigation issues and to provide input for the Division C Hazard Mitigation Plan that includes Wilcox County and its municipal jurisdictions.
The public is invited to attend and participate.
Those persons needing information or requiring assistance to participate should contact Melissa Dove, Wilcox County EMA Director at
**(334)682-4911**
at least 24 hours in advance of the meeting.

**Jan. 28, 2020**

Wilcox County Courthouse Annex
5 PM

***Hazard Mitigation Planning Meeting***

| Name (Please Print) | Agency | Email Address |
|---|---|---|
| Barbara Etheridge | Alabama Dept Public Health | barbara.etheridge@adph.state.al.us |
| Carol Dixon | Wilcox Co. DHR | Carol.Dixon@dhr.alabama.gov |
| DAVID FULLER | OAK HILL | FDFULLER@FRONTIERNET.NET |
| Fredrick Powell | Wilcox Co | wceng2@mchsi.com |
| David Butts | Wilcox County | dbutts.wcea@mediacombb.net |
| Stacy Wood | DPH | Stephen.Wood@adph.state.al.us |
| Chad Kent | ADPH | Chad.Kent@adph.state.al.us |
| Phil Cressionnie | City of Camden | PHIL@MELSHIPPING.COM |
| Bill Albritton | Wilcox Commission | wwalbritton@gmail.com |
| Melissa Dore | Wilcox Co. EMA/911 | wilcox911@yahoo.com |
| Mary Zimmerman | ATRC | mary.zimmerman@att.net |
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3/2/2020 Pine Apple

**Hazard Mitigation Discussion**

**ATRC**

**Sign-in Sheet**

1. Antone Arnold
2. Maggie Arnold
3. Annie Rae Robins
4. Curtis W. Bell
5. Lillie Dale
6. Agnes McCaster
7. Jannie L. Dale
8. Maggie Moore
9. Clem Cook
10. Judy Smith
11. Lola Smith
12. Delmont Tingle
13. Velma Tingle
14. Thomas Lynn
15. Dorothy Chisholm
16. Carolyn Dale
17.
18.
19.
20.

Pinehill 02/06/2020

Everett Woods

**Hazard Mitigation Discussion**

**ATRC**

**Sign-in Sheet**

1. Dallas Ramsey
2. Reba Pearson
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20.

Thomasville 02/06/2020

**Hazard Mitigation Discussion**

**p. 2 ATRC**

Evette Woods

**Sign-in Sheet**

21. Mary Smith
22. Diane Smith
23. Green Olive
24. Richard Martindale
25. Rosalyn Martindale
26. James McKinley
27. Mary McKinley
28. Marie Newton
29. Ramon Newton
30. Samuel E. Olive
31. Heat Barnett
32. Lyvonne Hickstein
33. Linda Hunt
34. Jack Hunt
35. Nancy Odom
36. Pat Champion

Thomasville 02/06/20

**Hazard Mitigation Discussion**

**p. 3 ATRC** **Sign-in Sheet**

37. Wilma Odom

38.

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Gee's Bend Senior Center

Ann Kathryn Harris
Jana Burrow

**Hazard Mitigation Discussion**

2-12-20

**ATRC**

**Sign-in Sheet**

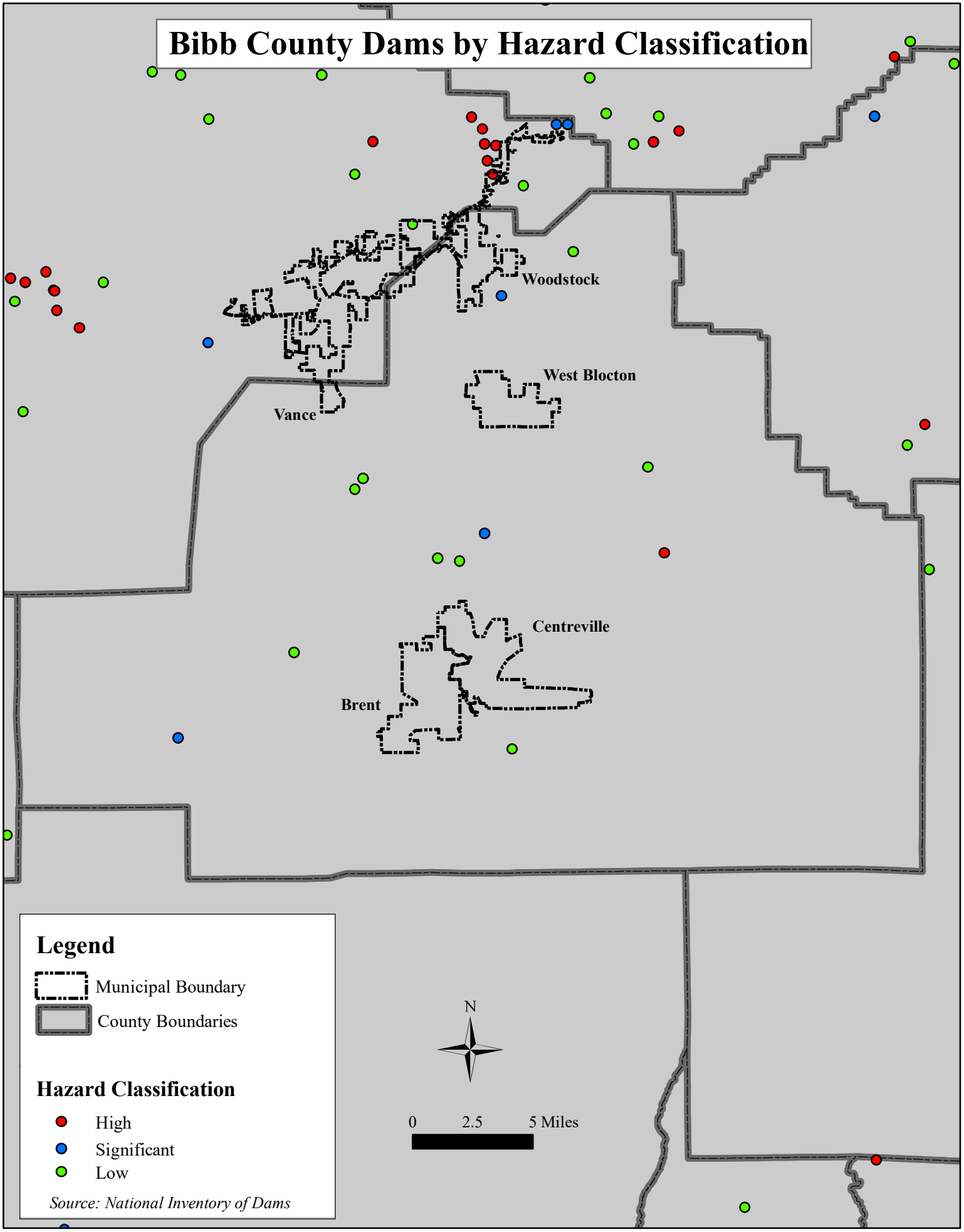
1. Caster Pettway
2. Henry Moseley
3. Nancy Pettway
4. Frank Pettway, JR
5. JC Coleman
6. Jennie Williams
7. Doris Moseley
8. Ritamae Pettway
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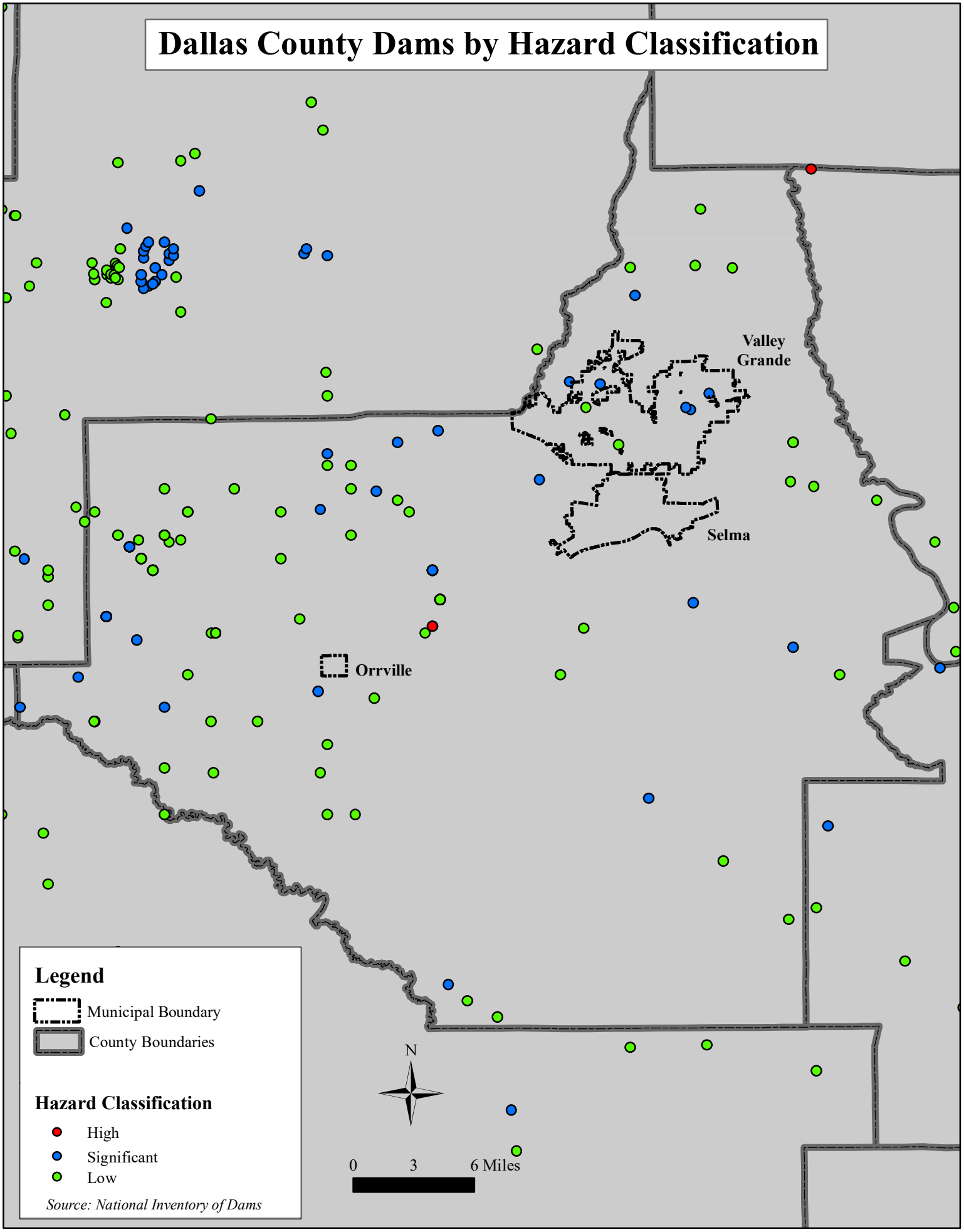
## Wilcox County Hazard Mitigation Second Meeting

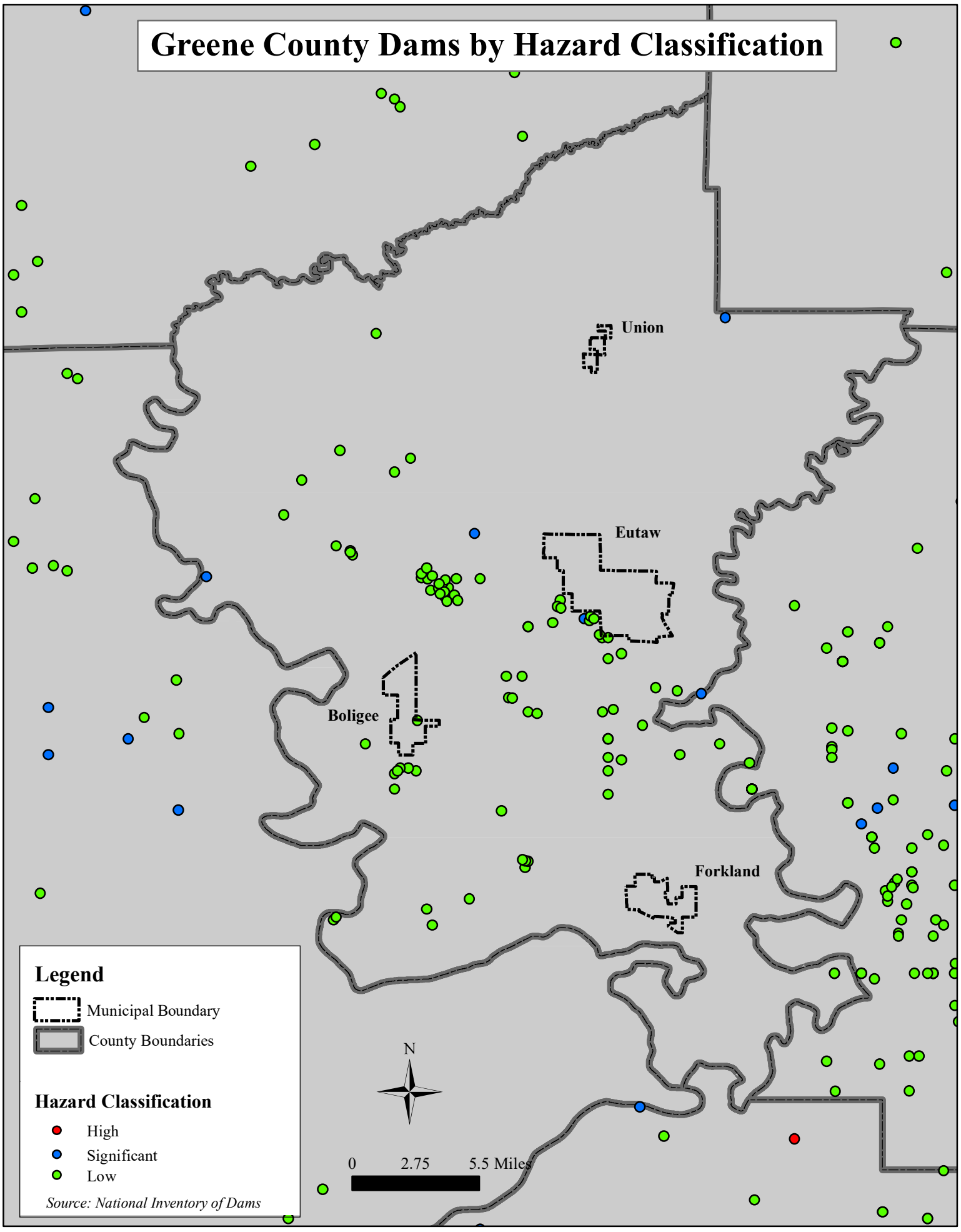
**Due to social distancing restrictions resulting from COVID-19, Wilcox County could not have the second committee meeting to receive comments on the draft. An ad was placed in the paper directing the public to the draft and requesting comments.**

# Appendix B

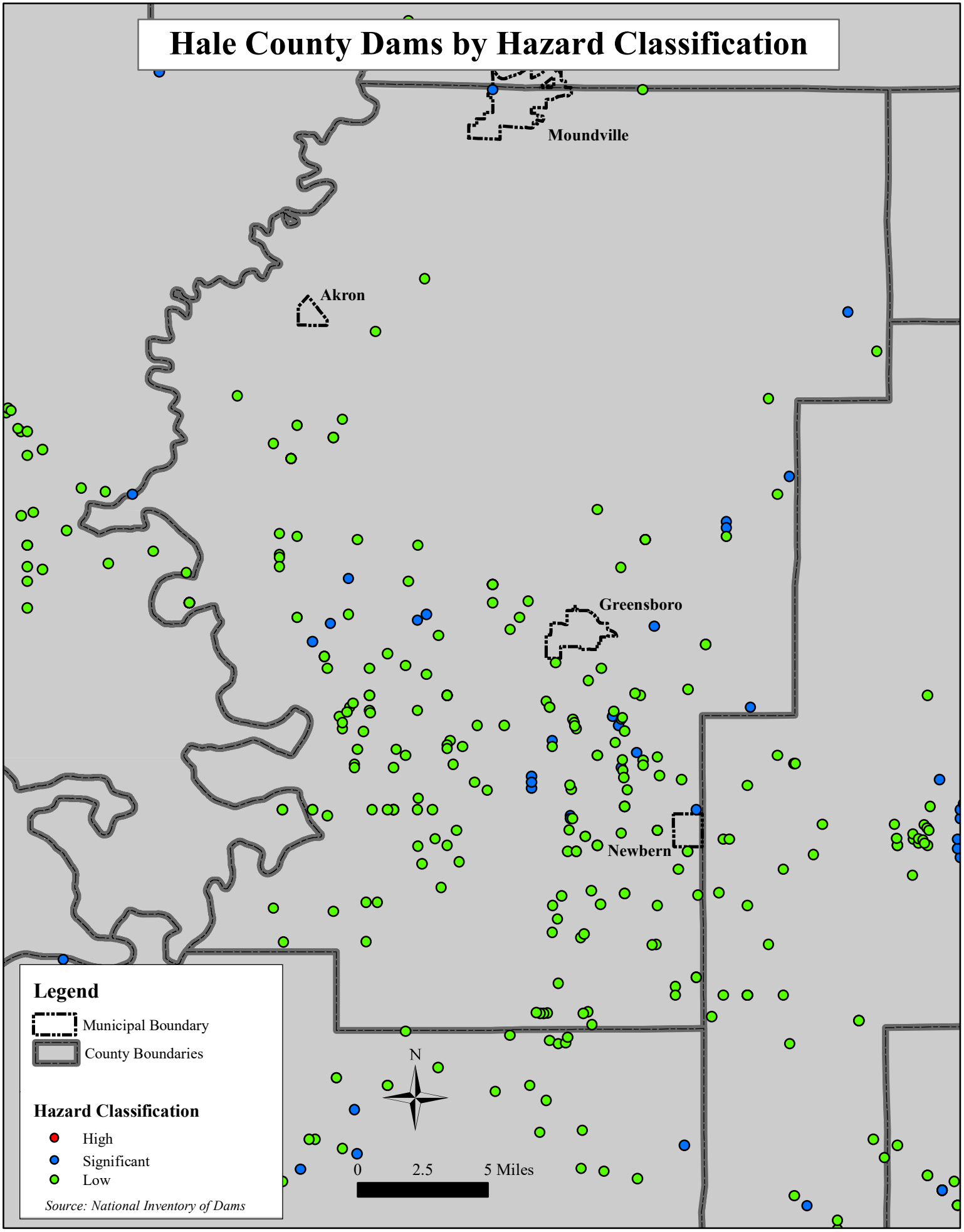
## Dam Location by County and Hazard Classification

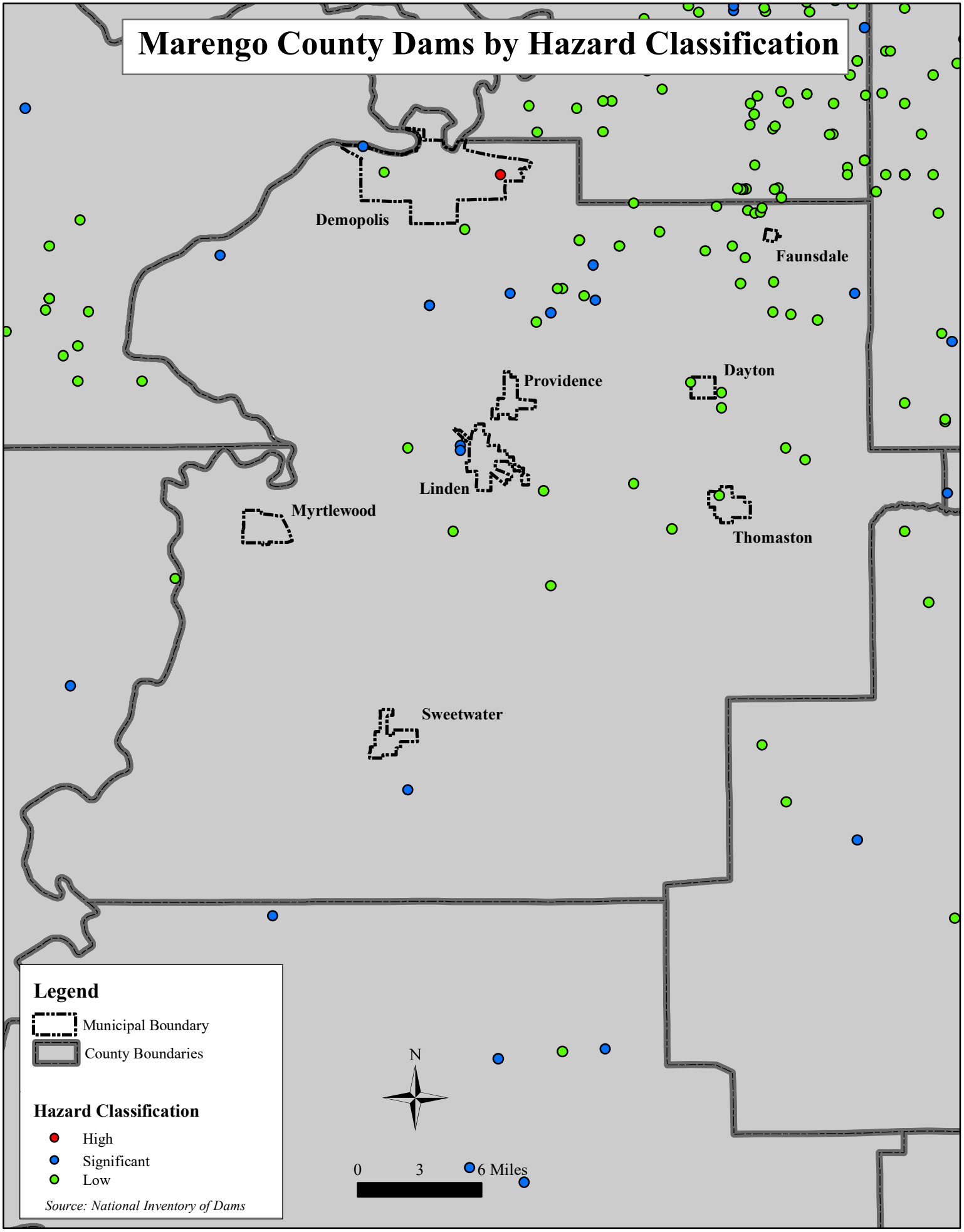

Bibb County Dams by Hazard Classification
Woodstock
West Blocton
Vance
Centreville
Brent
Legend
Municipal Boundary
County Boundaries
Hazard Classification
High
Significant
Low
Source: National Inventory of Dams
N
0
2.5
5 Miles

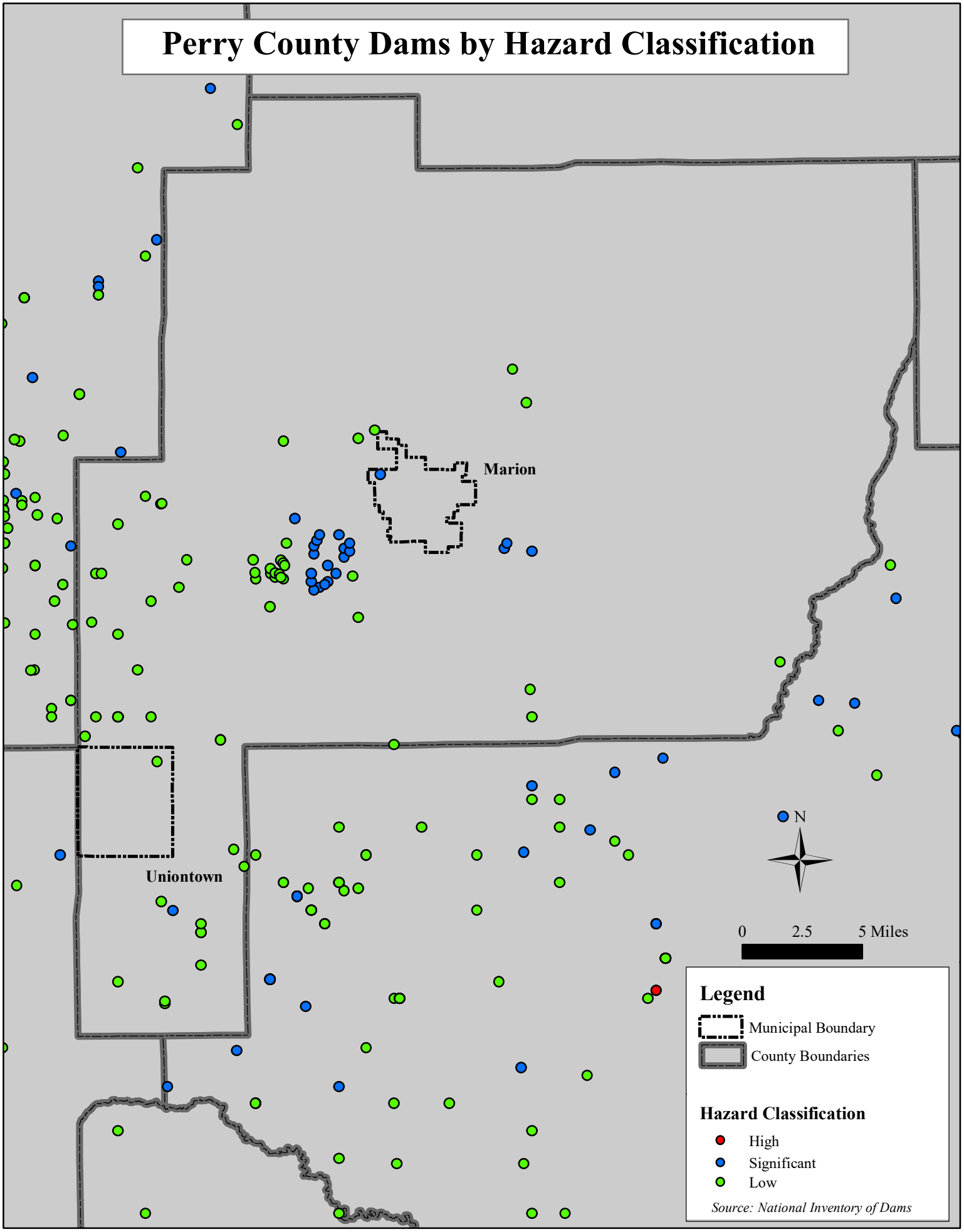

Dallas County Dams by Hazard Classification
Valley Grande
Selma
Orrville
Legend
Municipal Boundary
County Boundaries
Hazard Classification
High
Significant
Low
Source: National Inventory of Dams
N
0
3
6 Miles

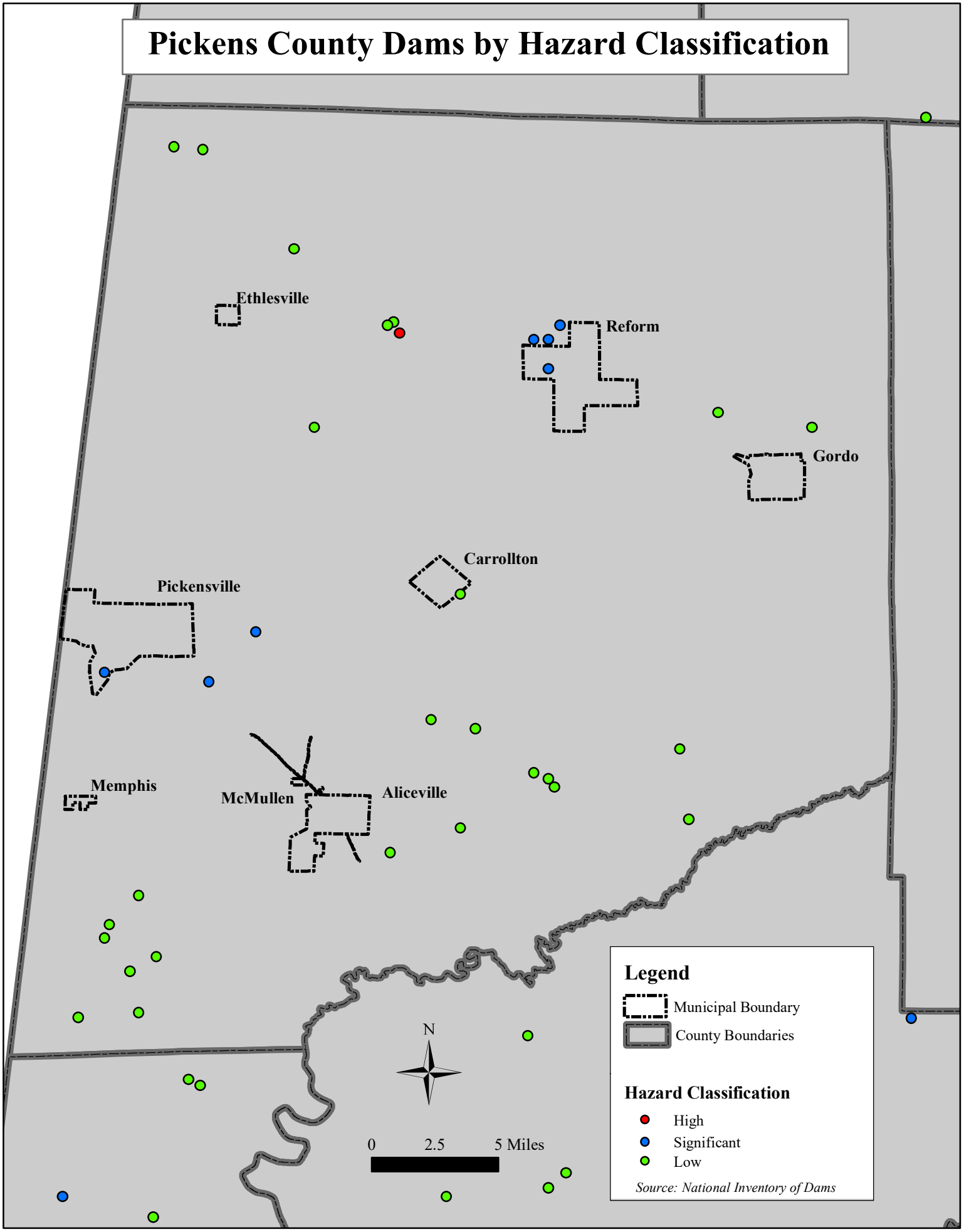

Greene County Dams by Hazard Classification
Union
Eutaw
Boligee
Forkland
Legend
Municipal Boundary
County Boundaries
Hazard Classification
High
Significant
Low
Source: National Inventory of Dams
N
0
2.75
5.5 Miles

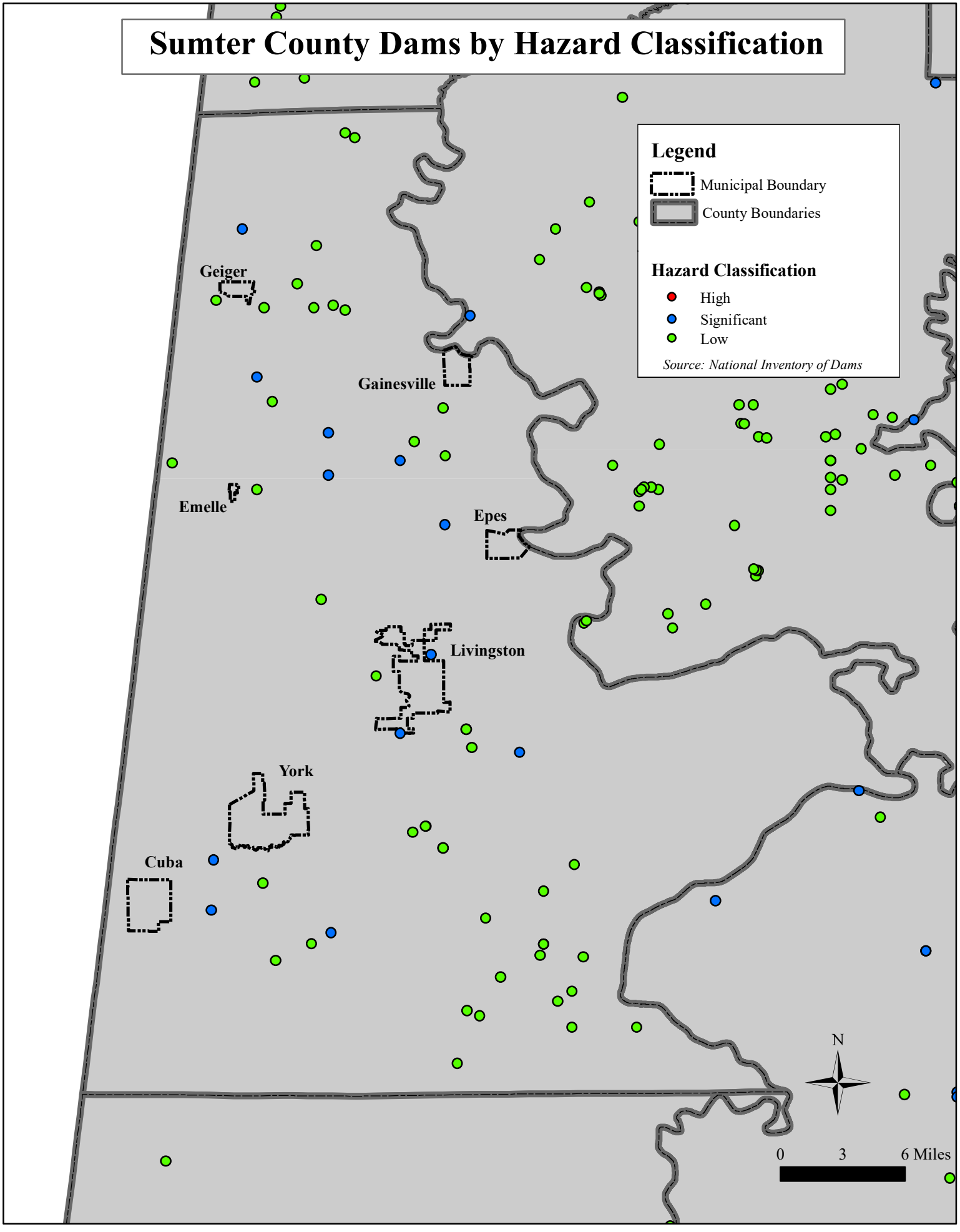
# Hale County Dams by Hazard Classification

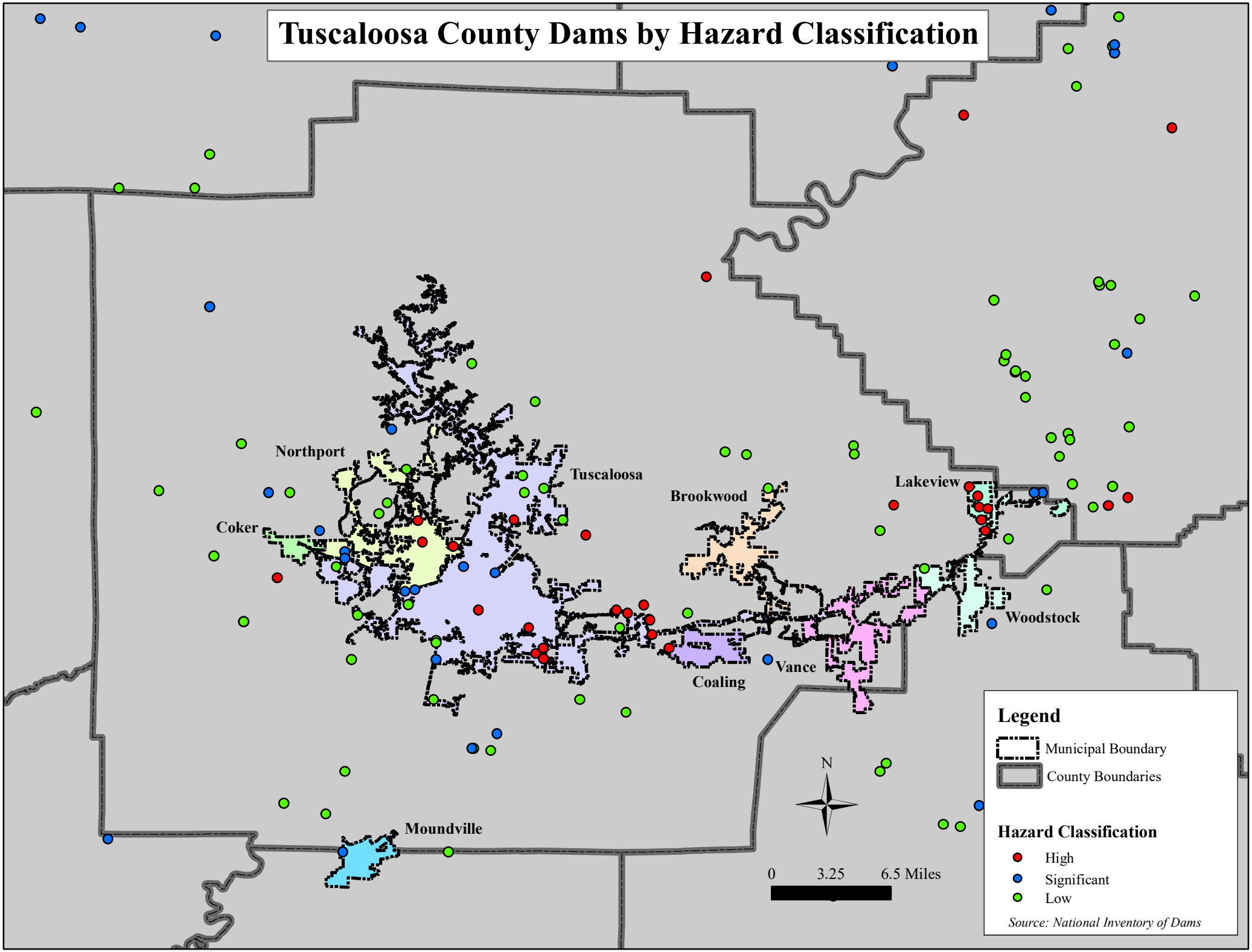



Marengo County Dams by Hazard Classification
Demopolis
Faunsdale
Providence
Dayton
Linden
Myrtlewood
Thomaston
Sweetwater
Legend
Municipal Boundary
County Boundaries
Hazard Classification
High
Significant
Low
Source: National Inventory of Dams
N
0
3
6 Miles

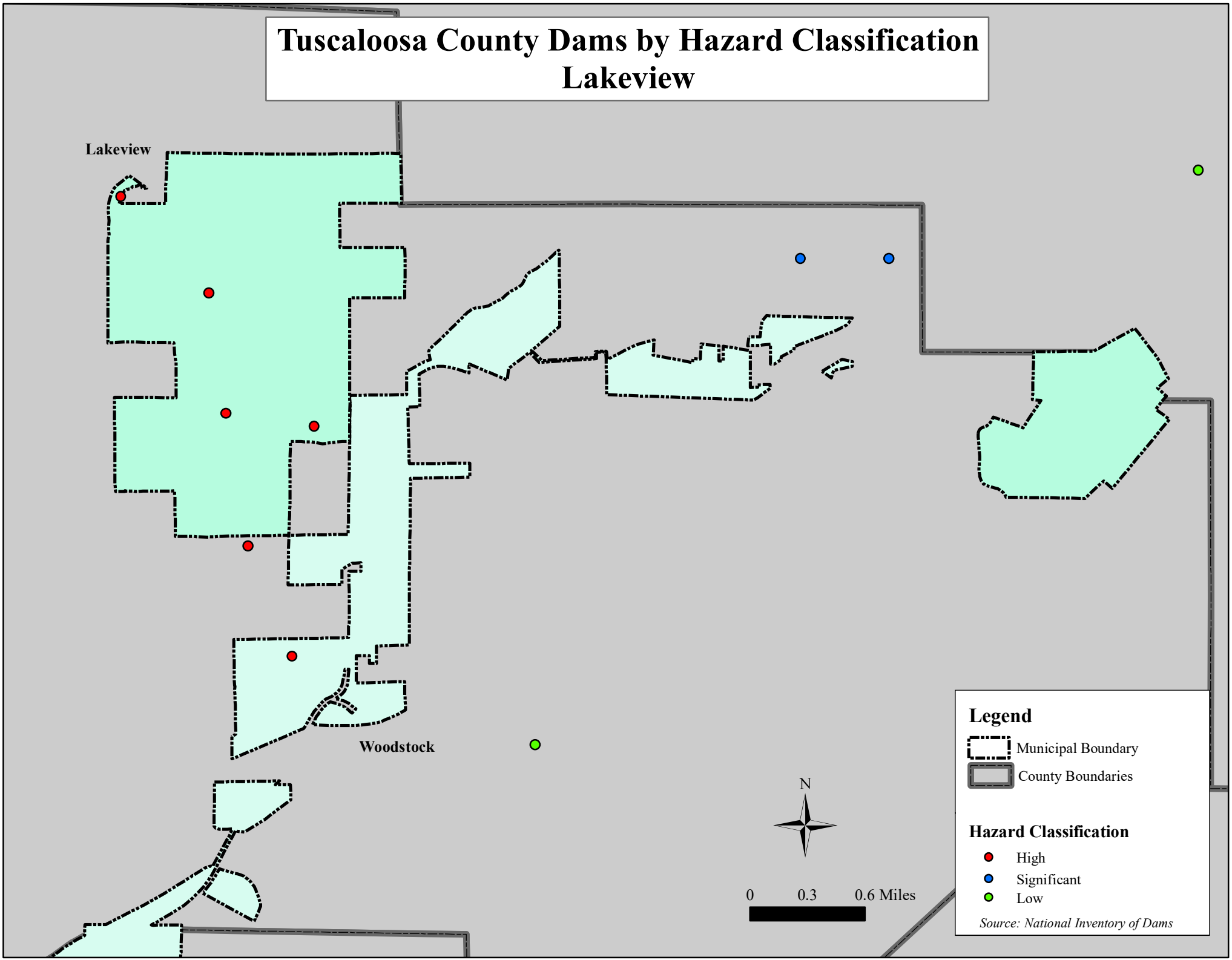

Perry County Dams by Hazard Classification
Marion
Uniontown
N
0
2.5
5 Miles
Legend
Municipal Boundary
County Boundaries
Hazard Classification
High
Significant
Low
Source: National Inventory of Dams


Pickens County Dams by Hazard Classification
Ethlesville
Reform
Gordo
Carrollton
Pickensville
Memphis
McMullen
Aliceville
N
0
2.5
5 Miles
Legend
Municipal Boundary
County Boundaries
Hazard Classification
High
Significant
Low
Source: National Inventory of Dams

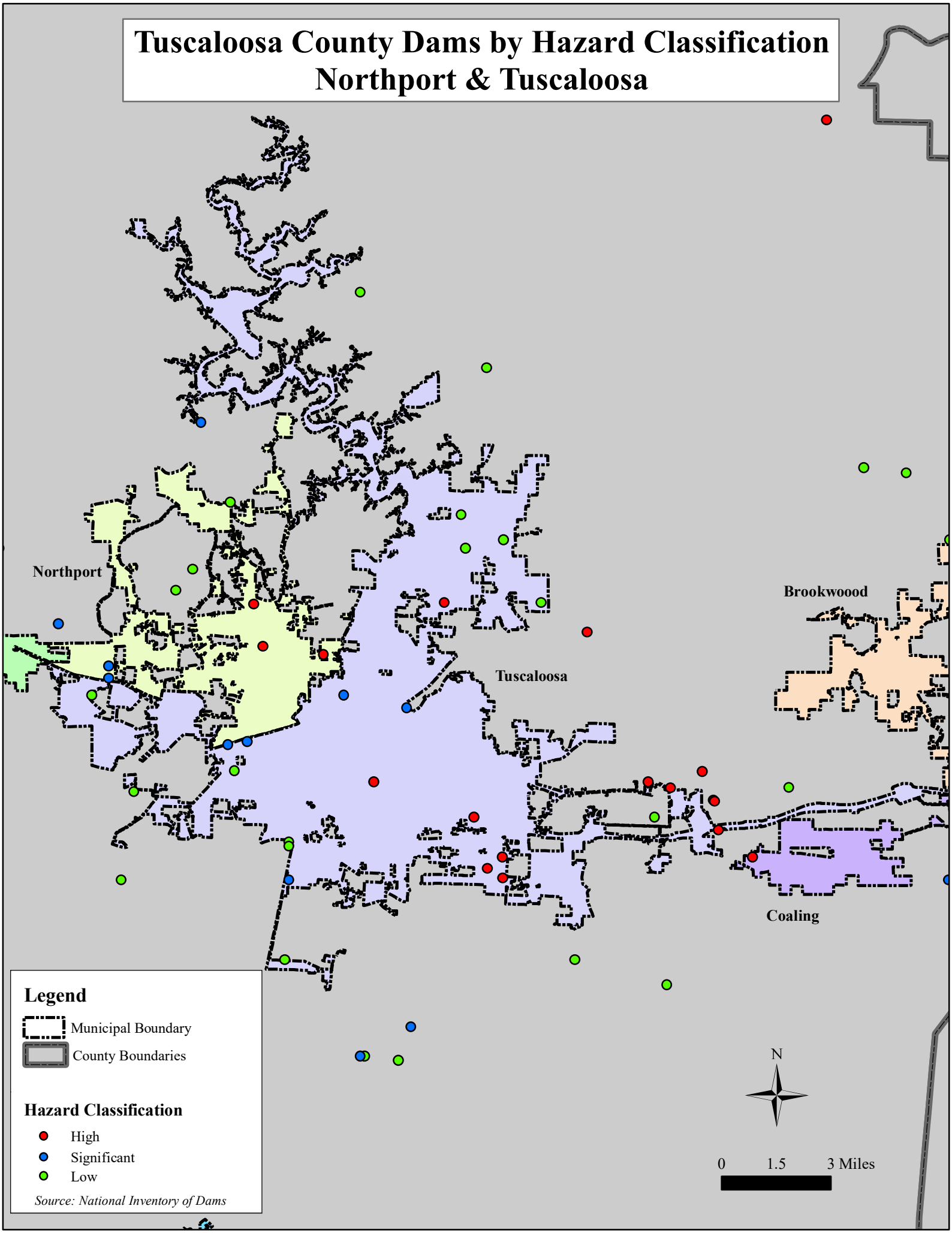

Sumter County Dams by Hazard Classification
Legend
Municipal Boundary
County Boundaries
Hazard Classification
High
Significant
Low
Source: National Inventory of Dams
Geiger
Gainesville
Emelle
Epes
Livingston
York
Cuba
N
0
3
6 Miles

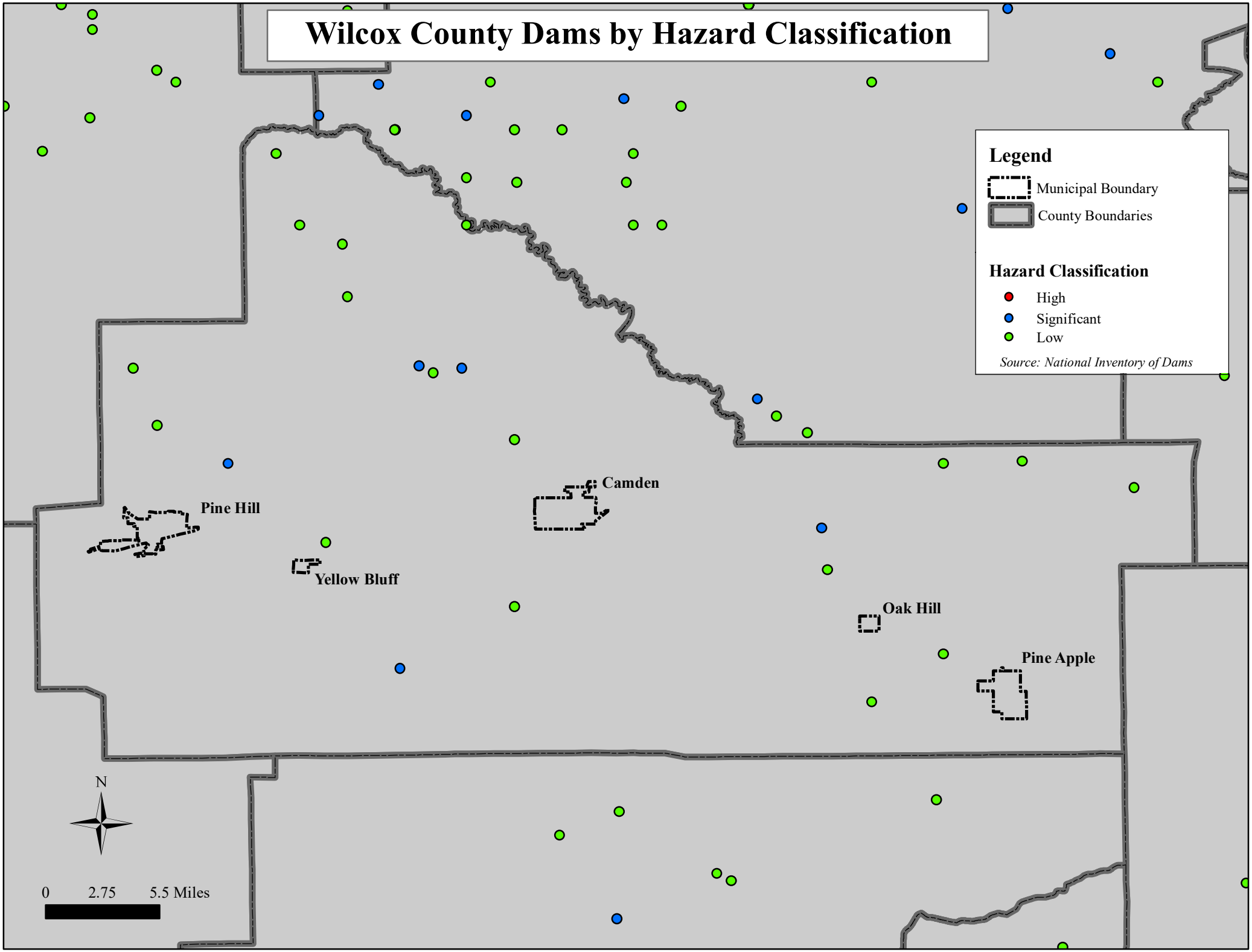

Tuscaloosa County Dams by Hazard Classification
Northport
Tuscaloosa
Brookwood
Lakeview
Coker
Woodstock
Vance
Coaling
Moundville
N
0
3.25
6.5 Miles
Legend
Municipal Boundary
County Boundaries
Hazard Classification
High
Significant
Low
Source: National Inventory of Dams

# Tuscaloosa County Dams by Hazard Classification
## Lakeview



# Tuscaloosa County Dams by Hazard Classification
# Northport & Tuscaloosa




Wilcox County Dams by Hazard Classification
Legend
Municipal Boundary
County Boundaries
Hazard Classification
High
Significant
Low
Source: National Inventory of Dams
Camden
Pine Hill
Yellow Bluff
Oak Hill
Pine Apple
N
0
2.75
5.5 Miles

# Appendix C

## Flood Zones by Jurisdiction

# FEMA Flood Zone Designations

Flood zones are geographic areas that the FEMA has defined according to varying levels of flood risk. These zones are depicted on a community's Flood Insurance Rate Map (FIRM) or Flood Hazard Boundary Map. Each zone reflects the severity or type of flooding in the area.

## Moderate to Low Risk Areas

In communities that participate in the NFIP, flood insurance is available to all property owners and renters in these zones:

| Zone | Description |
|---|---|
| B and X (shaded) | Area of moderate flood hazard, usually the area between the limits of the 100- year and 500-year floods. B Zones are also used to designate base floodplains of lesser hazards, such as areas protected by levees from 100-year flood, or shallow flooding areas with average depths of less than one foot or drainage areas less than 1 square mile. |
| C and X (unshaded) | Area of minimal flood hazard, usually depicted on FIRMs as above the 500-year flood level. Zone C may have ponding and local drainage problems that don't warrant a detailed study or designation as base floodplain. Zone X is the area determined to be outside the 500-year flood and protected by levee from 100- year flood. |

## High Risk Areas

In communities that participate in the NFIP, mandatory flood insurance purchase requirements apply to all of these zones:

| Zone | Description |
|---|---|
| A | Areas with a 1% annual chance of flooding and a 26% chance of flooding over the life of a 30-year mortgage. Because detailed analyses are not performed for such areas; no depths or base flood elevations are shown within these zones. |
| AE | The base floodplain where base flood elevations are provided. AE Zones are now used on new format FIRMs instead of A1-A30 Zones. |
| A1-30 | These are known as numbered A Zones (e.g., A7 or A14). This is the base floodplain where the FIRM shows a BFE (old format). |
| AH | Areas with a 1% annual chance of shallow flooding, usually in the form of a pond, with an average depth ranging from 1 to 3 feet. These areas have a 26% chance of flooding over the life of a 30-year mortgage. Base flood elevations derived from detailed analyses are shown at selected intervals within these zones. |
| AO | River or stream flood hazard areas, and areas with a 1% or greater chance of shallow flooding each year, usually in the form of sheet flow, with an average depth ranging from 1 to 3 feet. These areas have a 26% chance of flooding over the life of a 30-year mortgage. Average flood depths derived from detailed analyses are shown within these zones. |

| | |
|---|---|
| AR | Areas with a temporarily increased flood risk due to the building or restoration of a flood control system (such as a levee or a dam). Mandatory flood insurance purchase requirements will apply, but rates will not exceed the rates for unnumbered A zones if the structure is built or restored in compliance with Zone AR floodplain management regulations. |
| A99 | Areas with a 1% annual chance of flooding that will be protected by a Federal flood control system where construction has reached specified legal requirements. No depths or base flood elevations are shown within these zones. |

**High Risk- Coastal Areas**

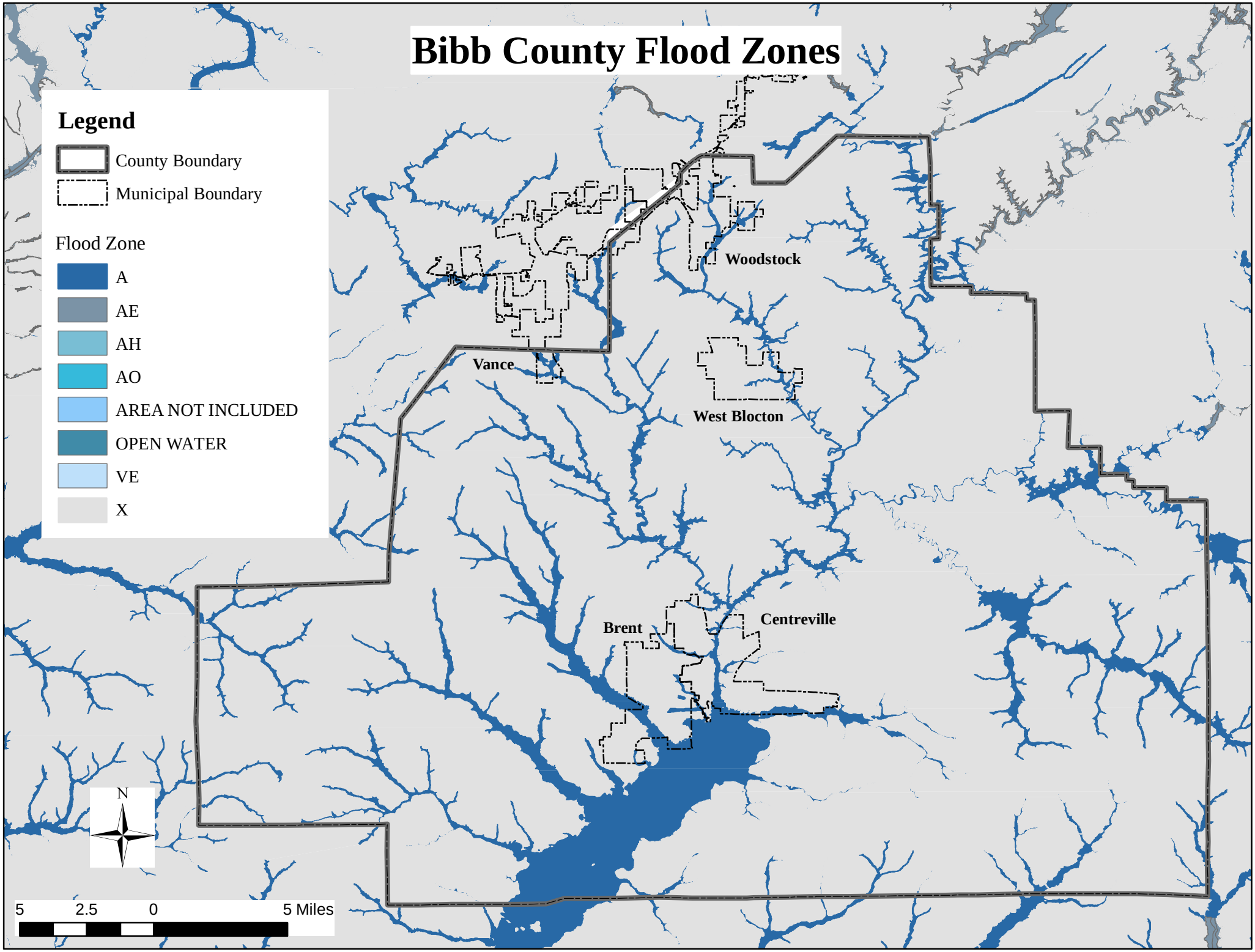
In communities that participate in the NFIP, mandatory flood insurance purchase requirements apply to all of these zones.

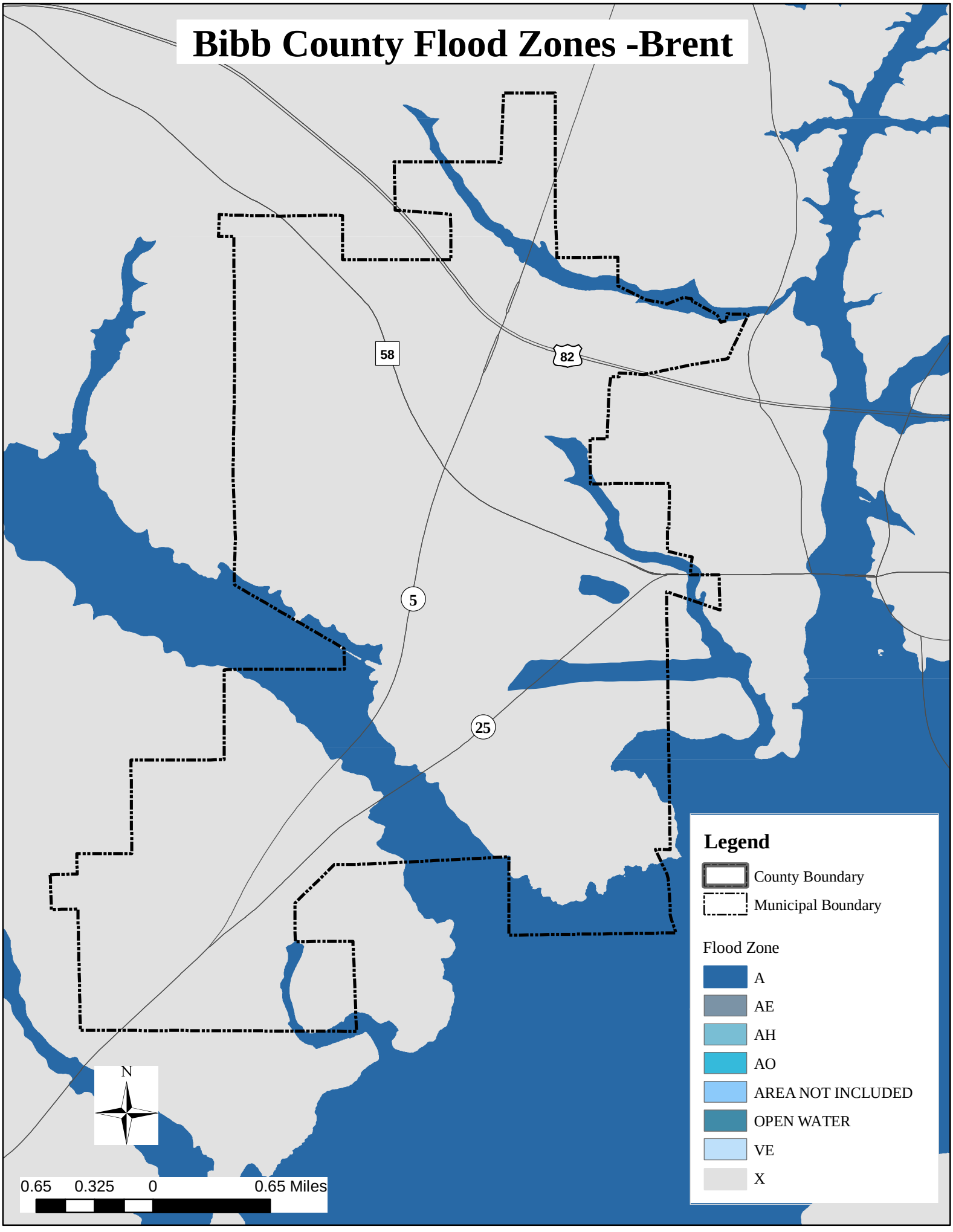
| Zone | Description |
|---|---|
| V | Coastal areas with a 1% or greater chance of flooding and an additional hazard associated with storm waves. These areas have a 26% chance of flooding over the life of a 30-year mortgage. No base flood elevations are shown within these zones. |
| VE, V1-30 | Coastal areas with a 1% or greater chance of flooding and an additional hazard associated with storm waves. These areas have a 26% chance of flooding over the life of a 30-year mortgage. Base flood elevations derived from detailed analyses are shown at selected intervals within these zones. |

**Undetermined Risk Areas**

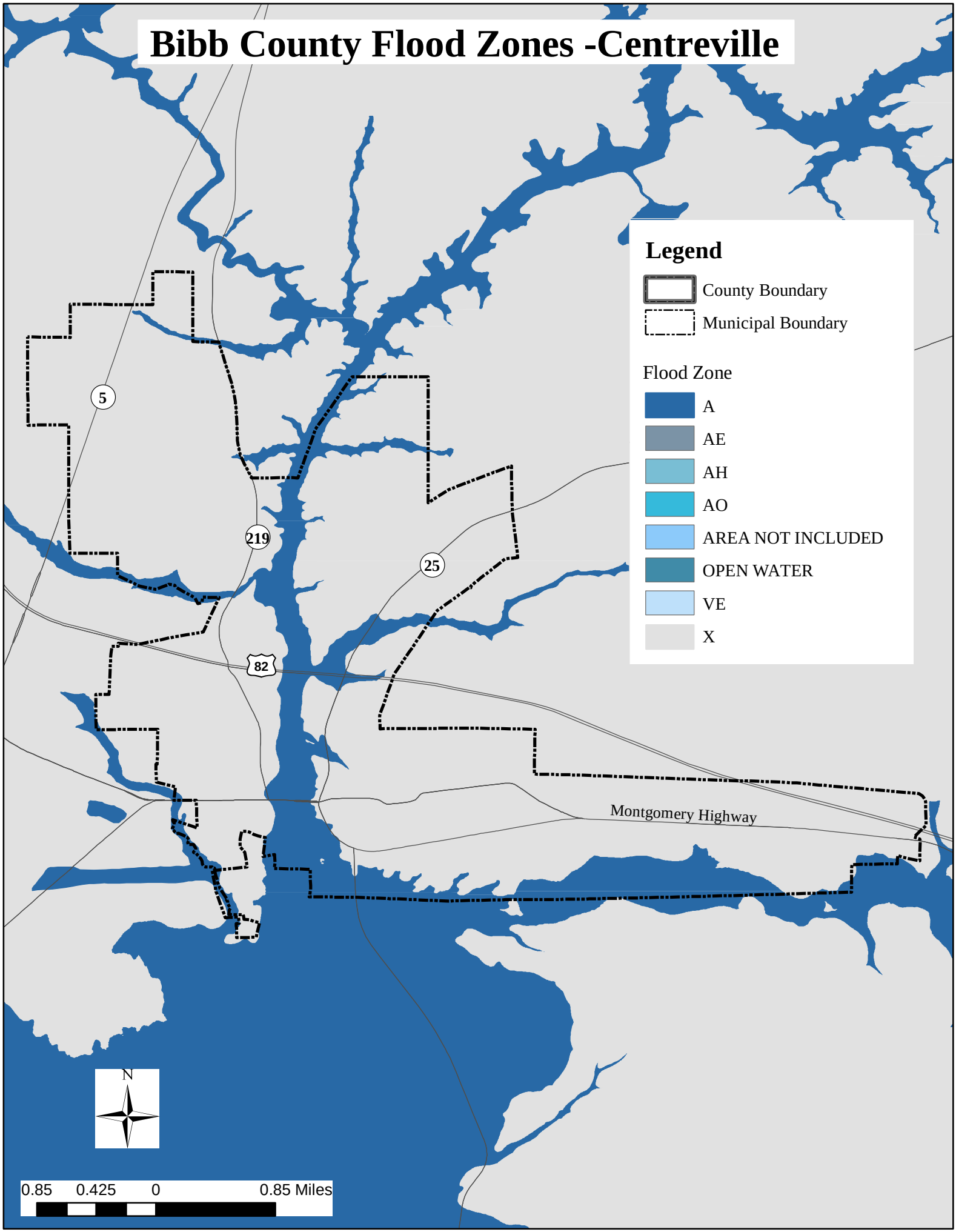
| Zone | Description |
|---|---|
| D | Areas with possible but undetermined flood hazards. No flood hazard analysis has been conducted. Flood insurance rates are commensurate with the uncertainty of the flood risk. |

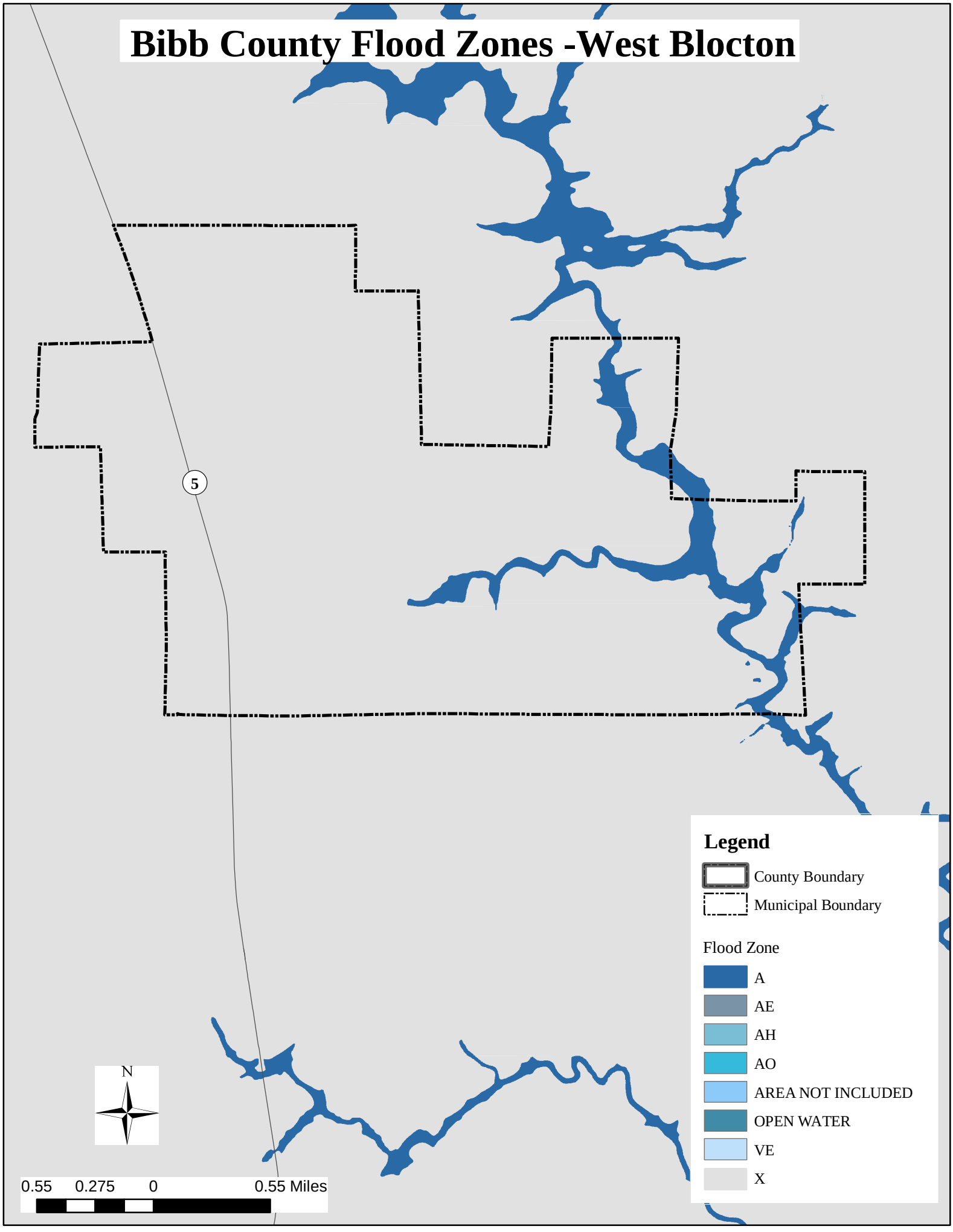
Source: FEMA Map Service Center: https://msc.fema.gov/portal/home

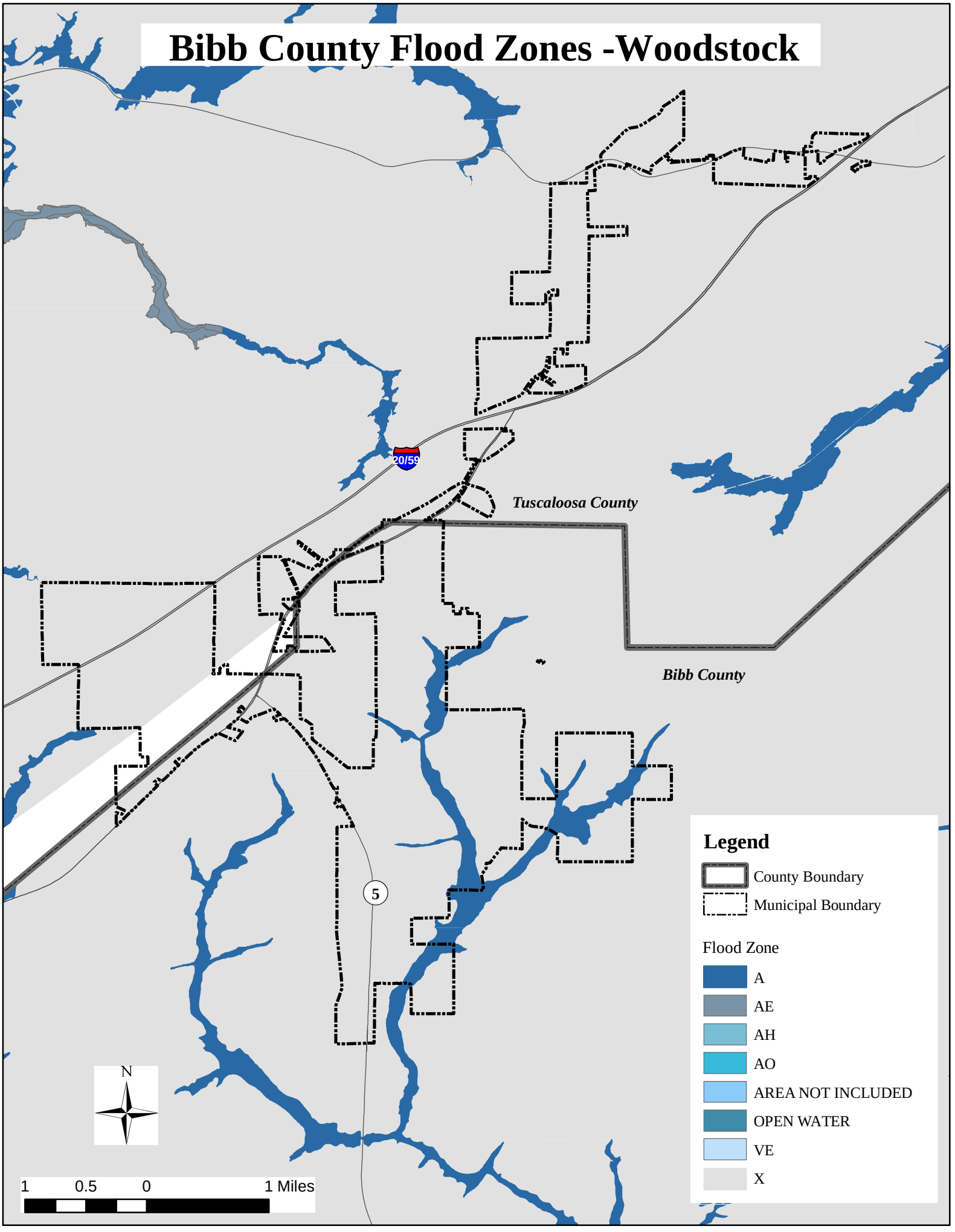

Bibb County Flood Zones
Legend
County Boundary
Municipal Boundary
Flood Zone
A
AE
AH
AO
AREA NOT INCLUDED
OPEN WATER
VE
X
Woodstock
Vance
West Blocton
Brent
Centreville
N
5
2.5
0
5 Miles

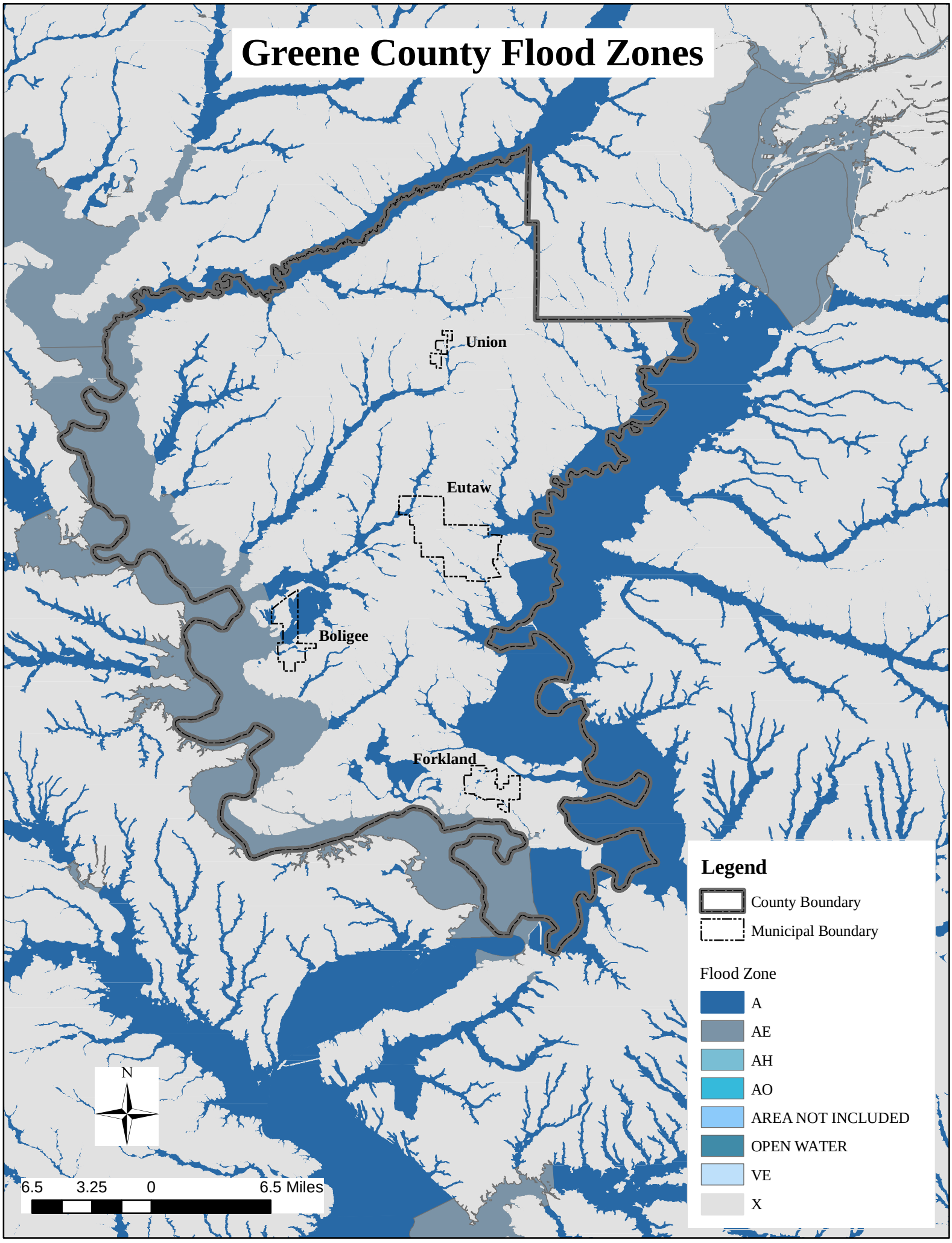

Bibb County Flood Zones -Brent
58
82
5
25
Legend
County Boundary
Municipal Boundary
Flood Zone
A
AE
AH
AO
AREA NOT INCLUDED
OPEN WATER
VE
X
N
0.65 0.325 0 0.65 Miles

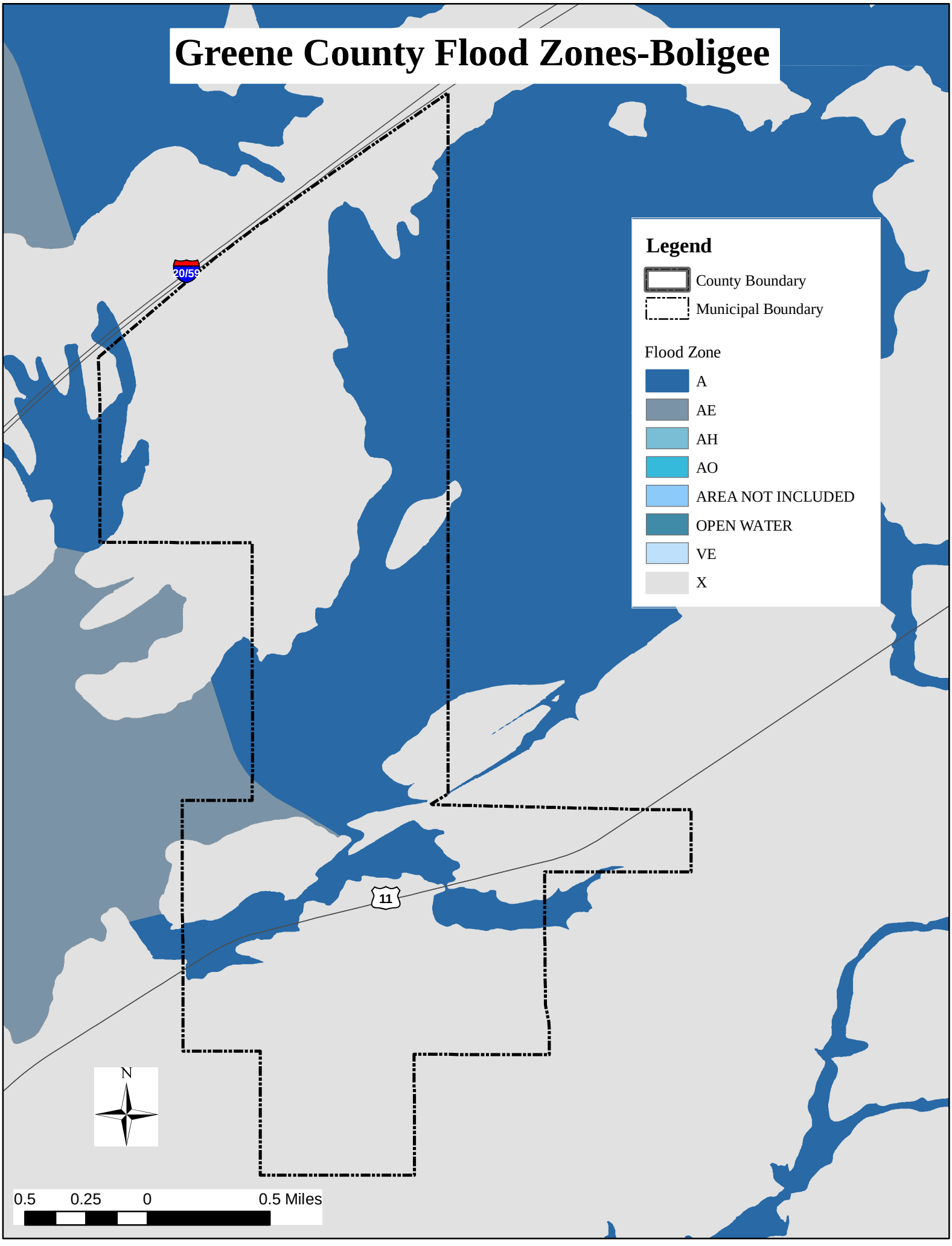
# Bibb County Flood Zones -Centreville

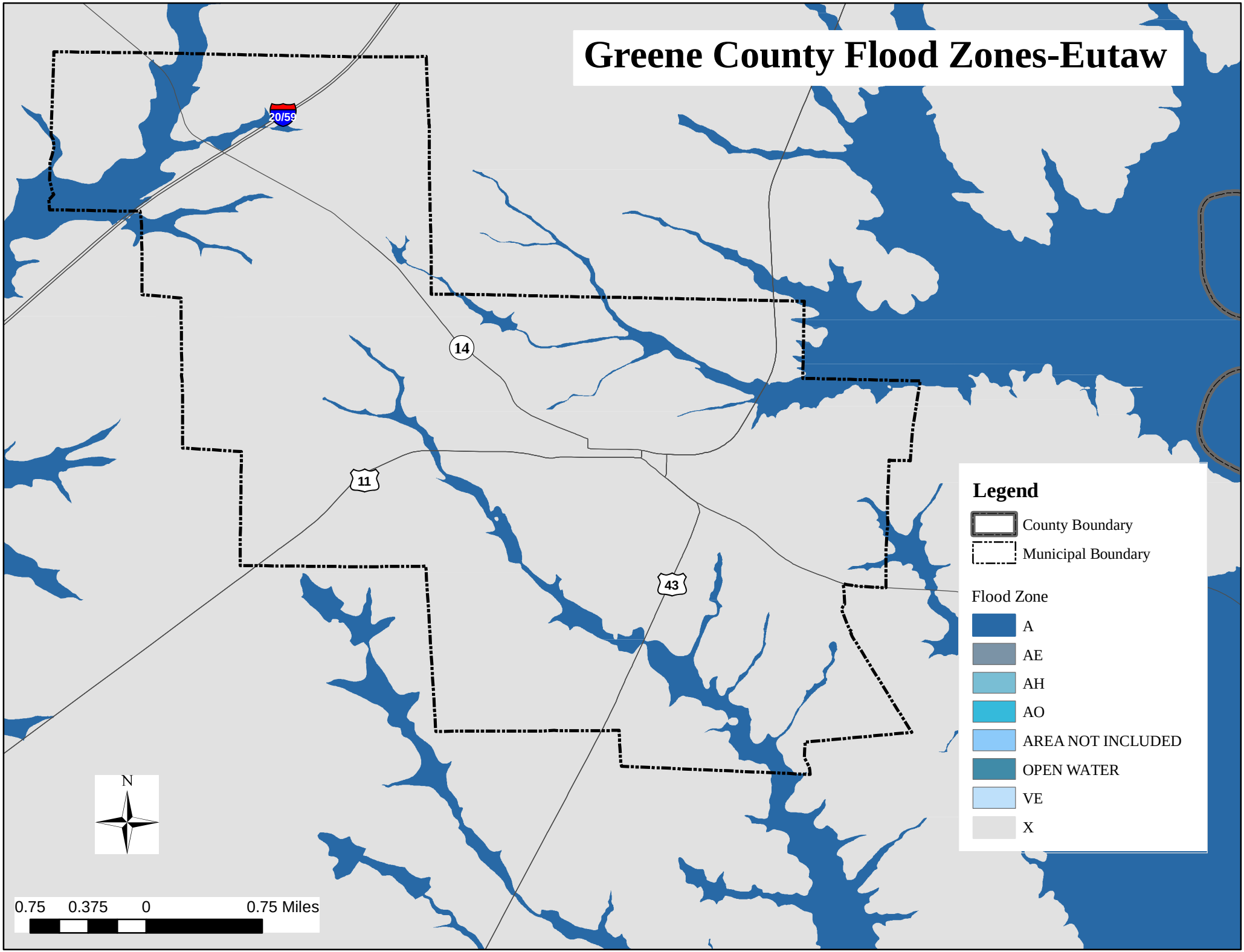



Bibb County Flood Zones -West Blocton
5
Legend
County Boundary
Municipal Boundary
Flood Zone
A
AE
AH
AO
AREA NOT INCLUDED
OPEN WATER
VE
X
N
0.55 0.275 0 0.55 Miles

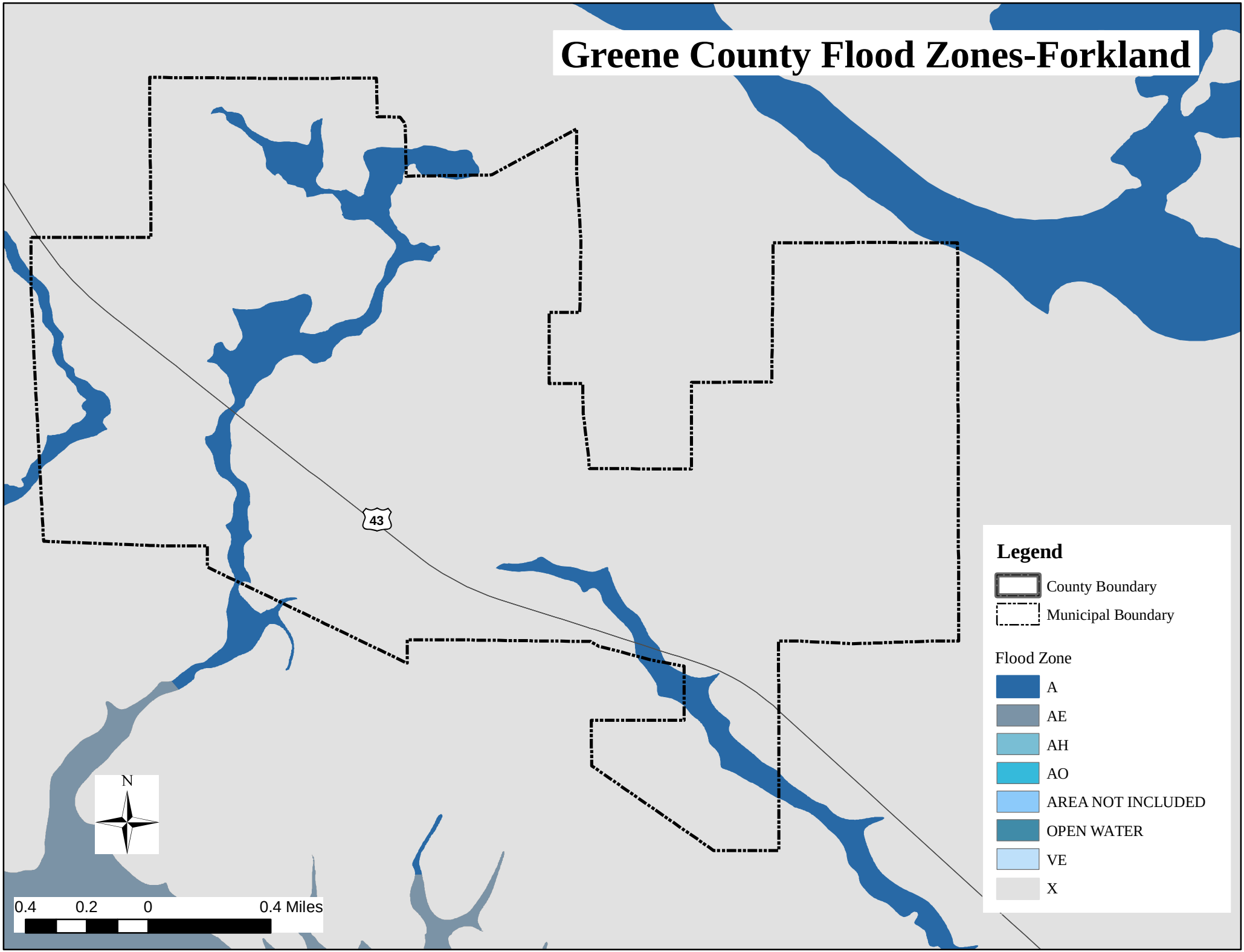

Bibb County Flood Zones -Woodstock
20/59
Tuscaloosa County
Bibb County
5
N
1 0.5 0 1 Miles
Legend
County Boundary
Municipal Boundary
Flood Zone
A
AE
AH
AO
AREA NOT INCLUDED
OPEN WATER
VE
X


Greene County Flood Zones
Union
Eutaw
Boligee
Forkland
Legend
County Boundary
Municipal Boundary
Flood Zone
A
AE
AH
AO
AREA NOT INCLUDED
OPEN WATER
VE
X
N
6.5
3.25
0
6.5 Miles

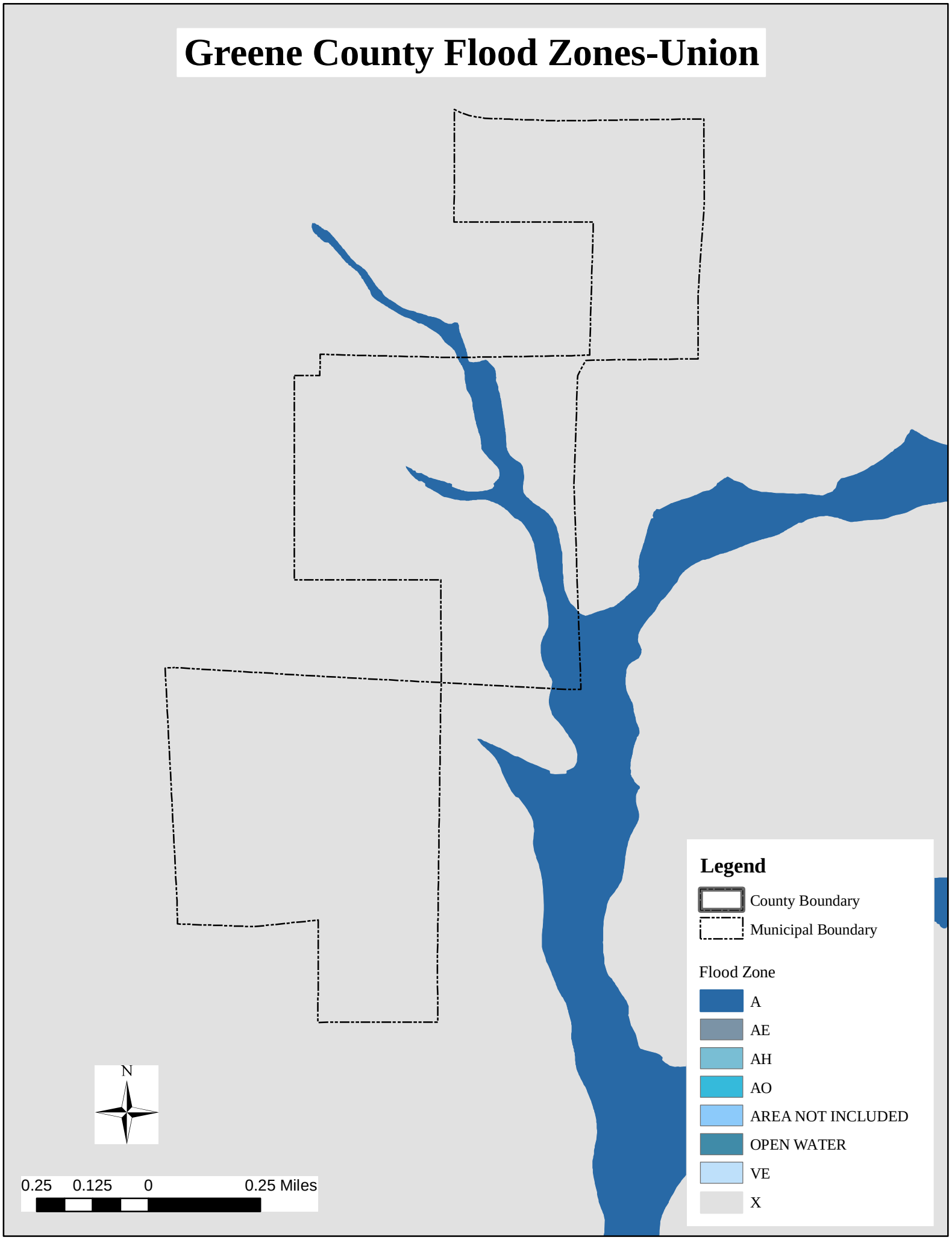

Greene County Flood Zones-Boligee
Legend
County Boundary
Municipal Boundary
Flood Zone
A
AE
AH
AO
AREA NOT INCLUDED
OPEN WATER
VE
X
20/59
11
N
0.5
0.25
0
0.5 Miles

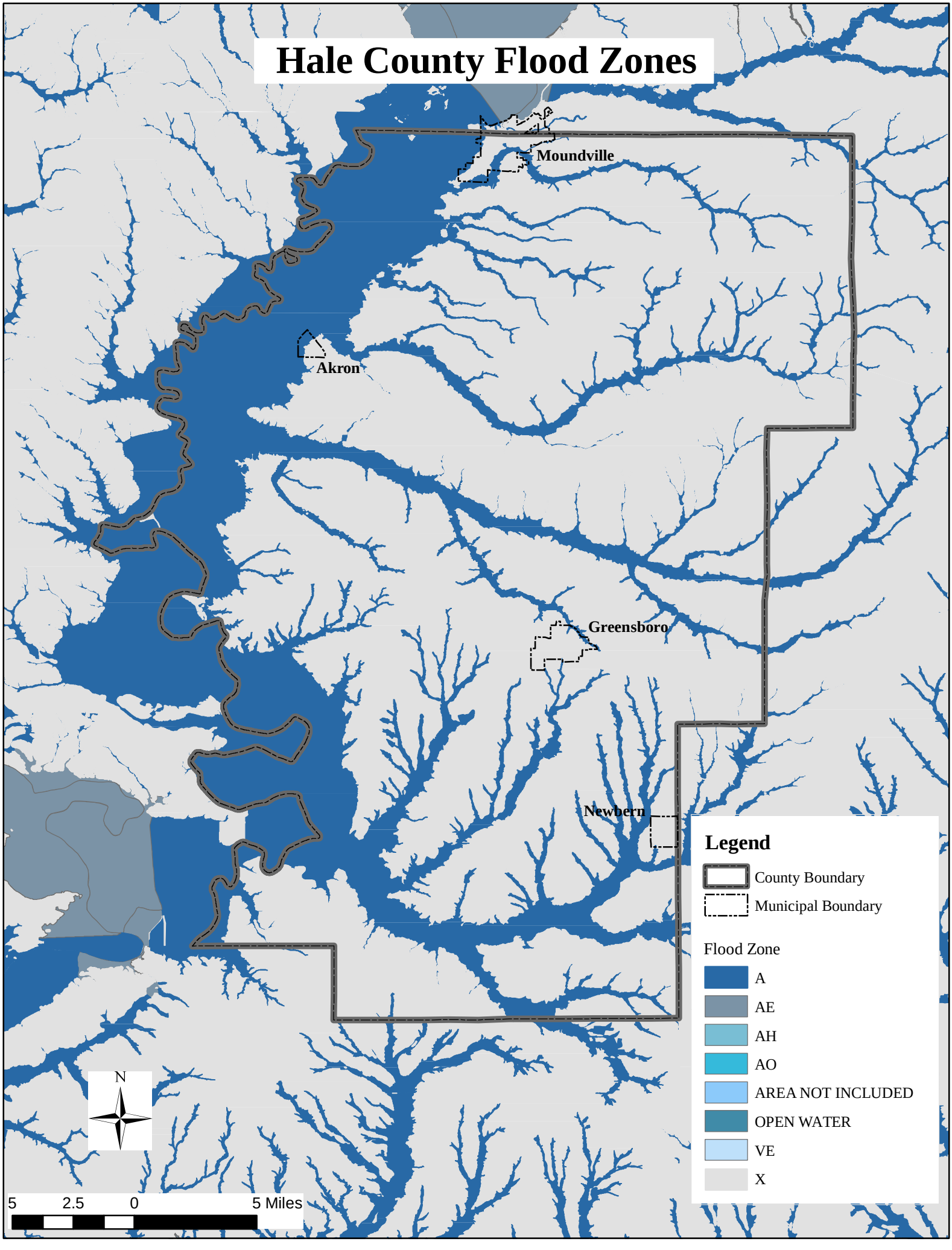

Greene County Flood Zones-Eutaw
20/59
14
11
43
Legend
County Boundary
Municipal Boundary
Flood Zone
A
AE
AH
AO
AREA NOT INCLUDED
OPEN WATER
VE
X
N
0.75 0.375 0 0.75 Miles

# Greene County Flood Zones-Forkland

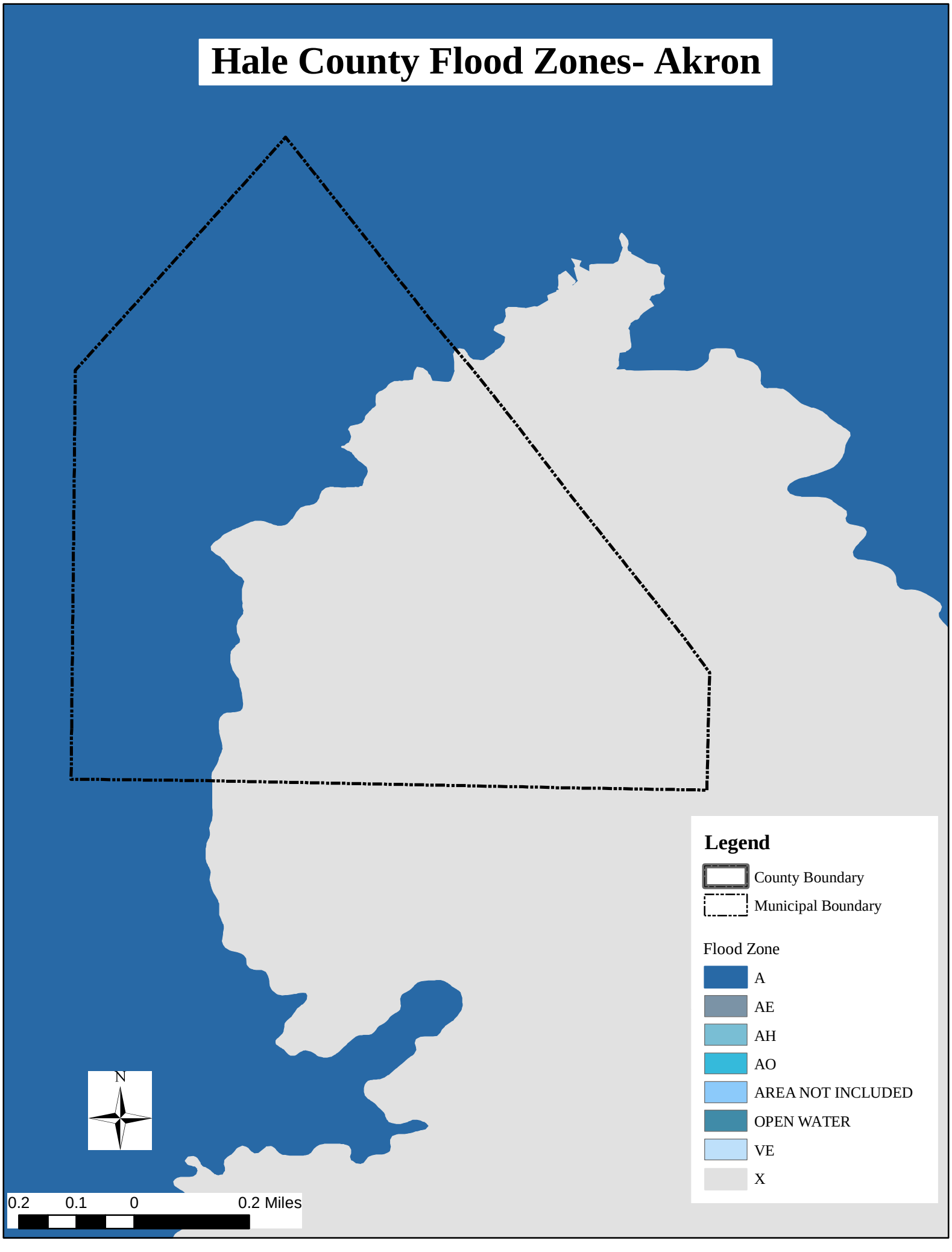


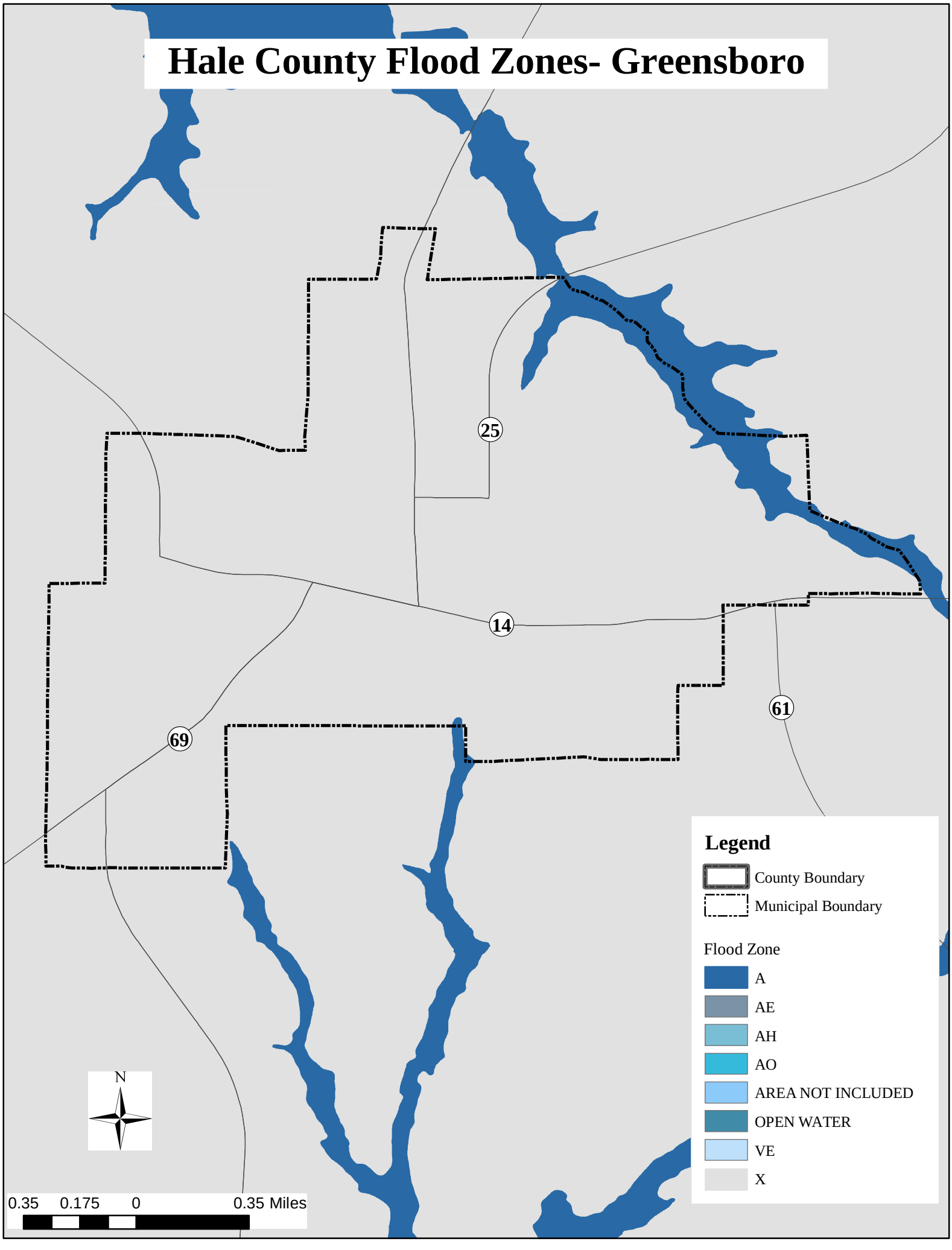
# Greene County Flood Zones-Union



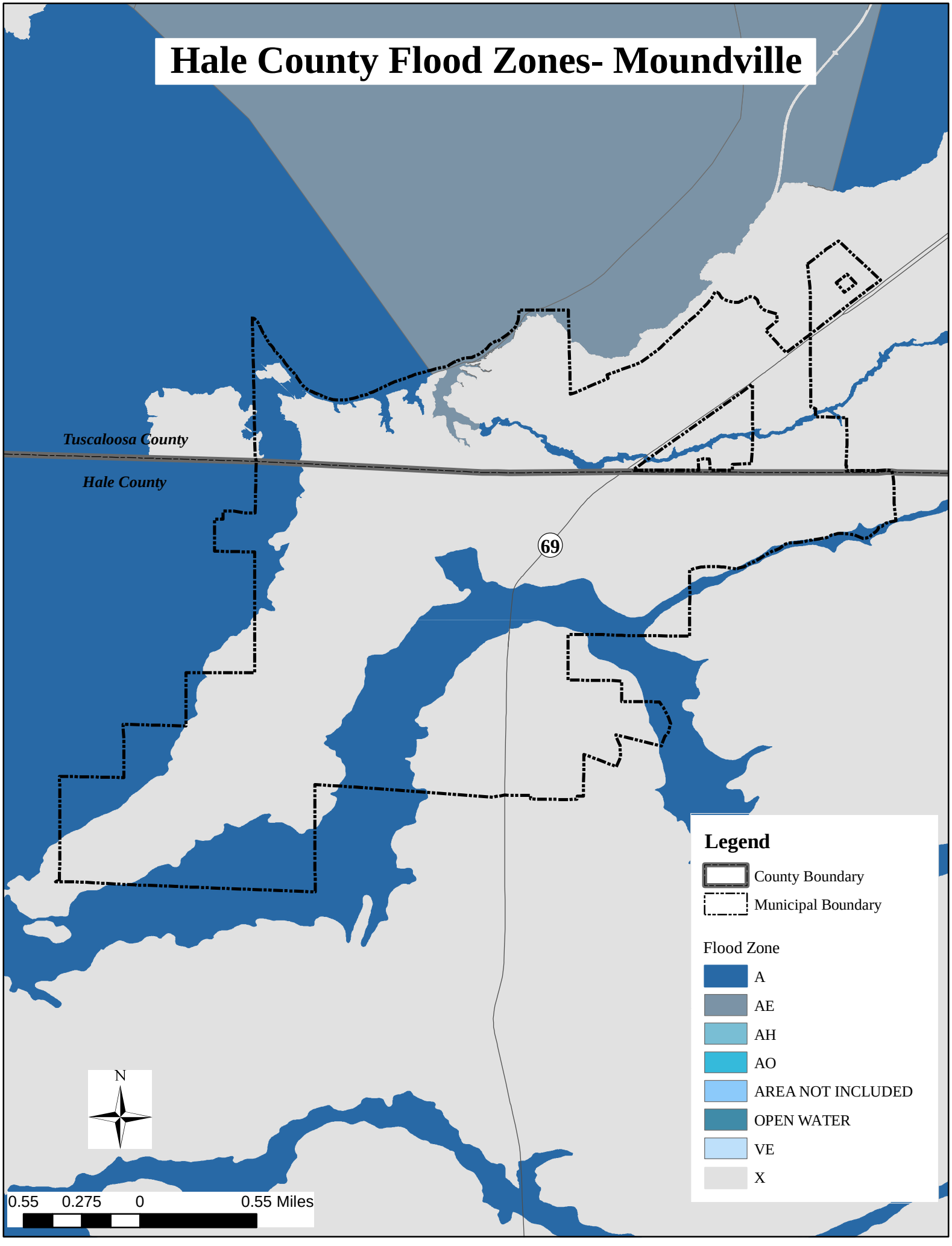

Hale County Flood Zones
Moundville
Akron
Greensboro
Newbern
Legend
County Boundary
Municipal Boundary
Flood Zone
A
AE
AH
AO
AREA NOT INCLUDED
OPEN WATER
VE
X
N
5
2.5
0
5 Miles

# Hale County Flood Zones- Akron

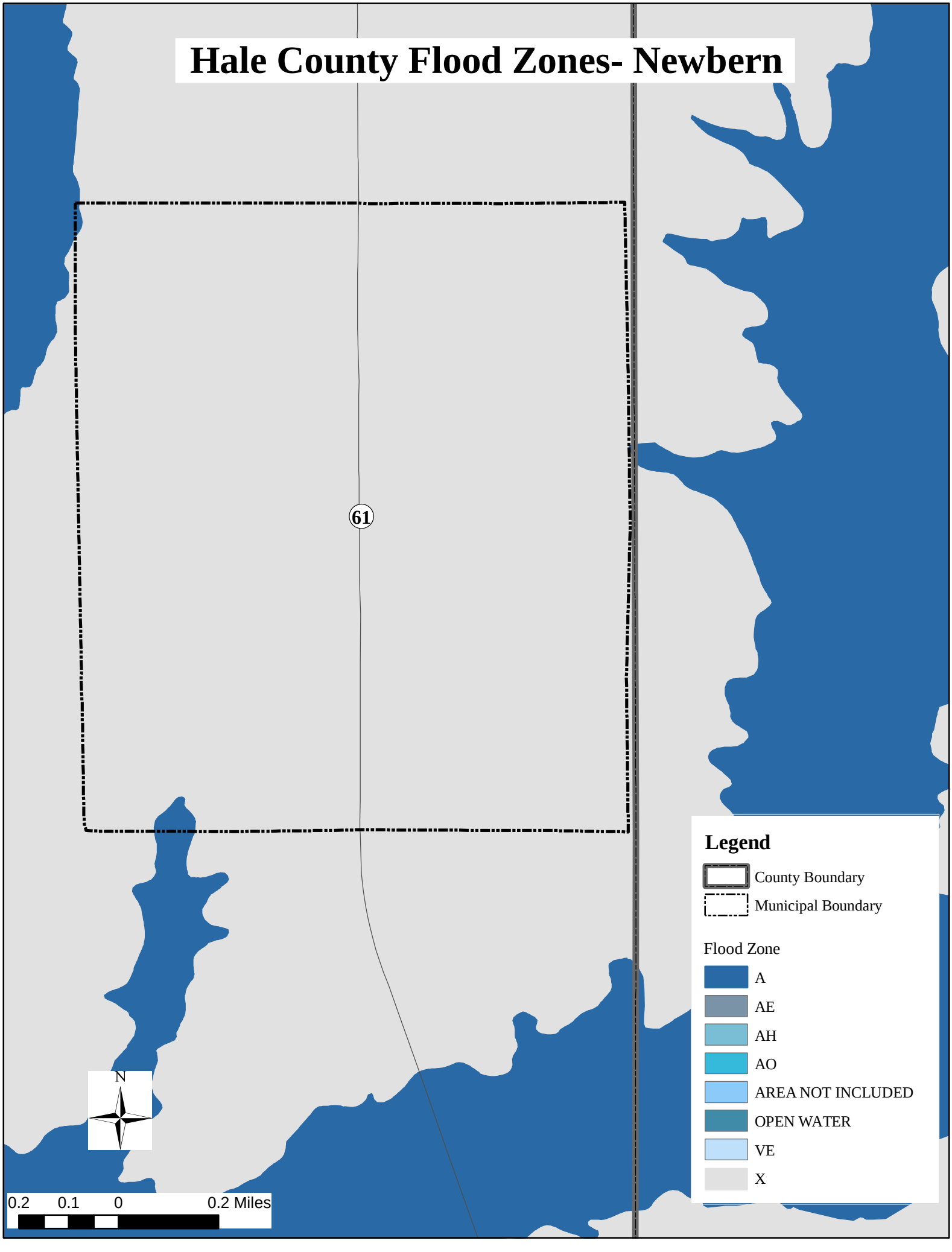



Hale County Flood Zones- Greensboro
25
14
61
69
Legend
County Boundary
Municipal Boundary
Flood Zone
A
AE
AH
AO
AREA NOT INCLUDED
OPEN WATER
VE
X
N
0.35 0.175 0 0.35 Miles

# Hale County Flood Zones- Moundville



# Hale County Flood Zones- Newbern



# Appendix C

## Flood Zones by Jurisdiction

# FEMA Flood Zone Designations

Flood zones are geographic areas that the FEMA has defined according to varying levels of flood risk. These zones are depicted on a community's Flood Insurance Rate Map (FIRM) or Flood Hazard Boundary Map. Each zone reflects the severity or type of flooding in the area.

## Moderate to Low Risk Areas

In communities that participate in the NFIP, flood insurance is available to all property owners and renters in these zones:

| Zone | Description |
|---|---|
| B and X (shaded) | Area of moderate flood hazard, usually the area between the limits of the 100- year and 500-year floods. B Zones are also used to designate base floodplains of lesser hazards, such as areas protected by levees from 100-year flood, or shallow flooding areas with average depths of less than one foot or drainage areas less than 1 square mile. |
| C and X (unshaded) | Area of minimal flood hazard, usually depicted on FIRMs as above the 500-year flood level. Zone C may have ponding and local drainage problems that don't warrant a detailed study or designation as base floodplain. Zone X is the area determined to be outside the 500-year flood and protected by levee from 100- year flood. |

## High Risk Areas

In communities that participate in the NFIP, mandatory flood insurance purchase requirements apply to all of these zones:

| Zone | Description |
|---|---|
| A | Areas with a 1% annual chance of flooding and a 26% chance of flooding over the life of a 30-year mortgage. Because detailed analyses are not performed for such areas; no depths or base flood elevations are shown within these zones. |
| AE | The base floodplain where base flood elevations are provided. AE Zones are now used on new format FIRMs instead of A1-A30 Zones. |
| A1-30 | These are known as numbered A Zones (e.g., A7 or A14). This is the base floodplain where the FIRM shows a BFE (old format). |
| AH | Areas with a 1% annual chance of shallow flooding, usually in the form of a pond, with an average depth ranging from 1 to 3 feet. These areas have a 26% chance of flooding over the life of a 30-year mortgage. Base flood elevations derived from detailed analyses are shown at selected intervals within these zones. |
| AO | River or stream flood hazard areas, and areas with a 1% or greater chance of shallow flooding each year, usually in the form of sheet flow, with an average depth ranging from 1 to 3 feet. These areas have a 26% chance of flooding over the life of a 30-year mortgage. Average flood depths derived from detailed analyses are shown within these zones. |

| | |
|---|---|
| AR | Areas with a temporarily increased flood risk due to the building or restoration of a flood control system (such as a levee or a dam). Mandatory flood insurance purchase requirements will apply, but rates will not exceed the rates for unnumbered A zones if the structure is built or restored in compliance with Zone AR floodplain management regulations. |
| A99 | Areas with a 1% annual chance of flooding that will be protected by a Federal flood control system where construction has reached specified legal requirements. No depths or base flood elevations are shown within these zones. |

**High Risk- Coastal Areas**

In communities that participate in the NFIP, mandatory flood insurance purchase requirements apply to all of these zones.

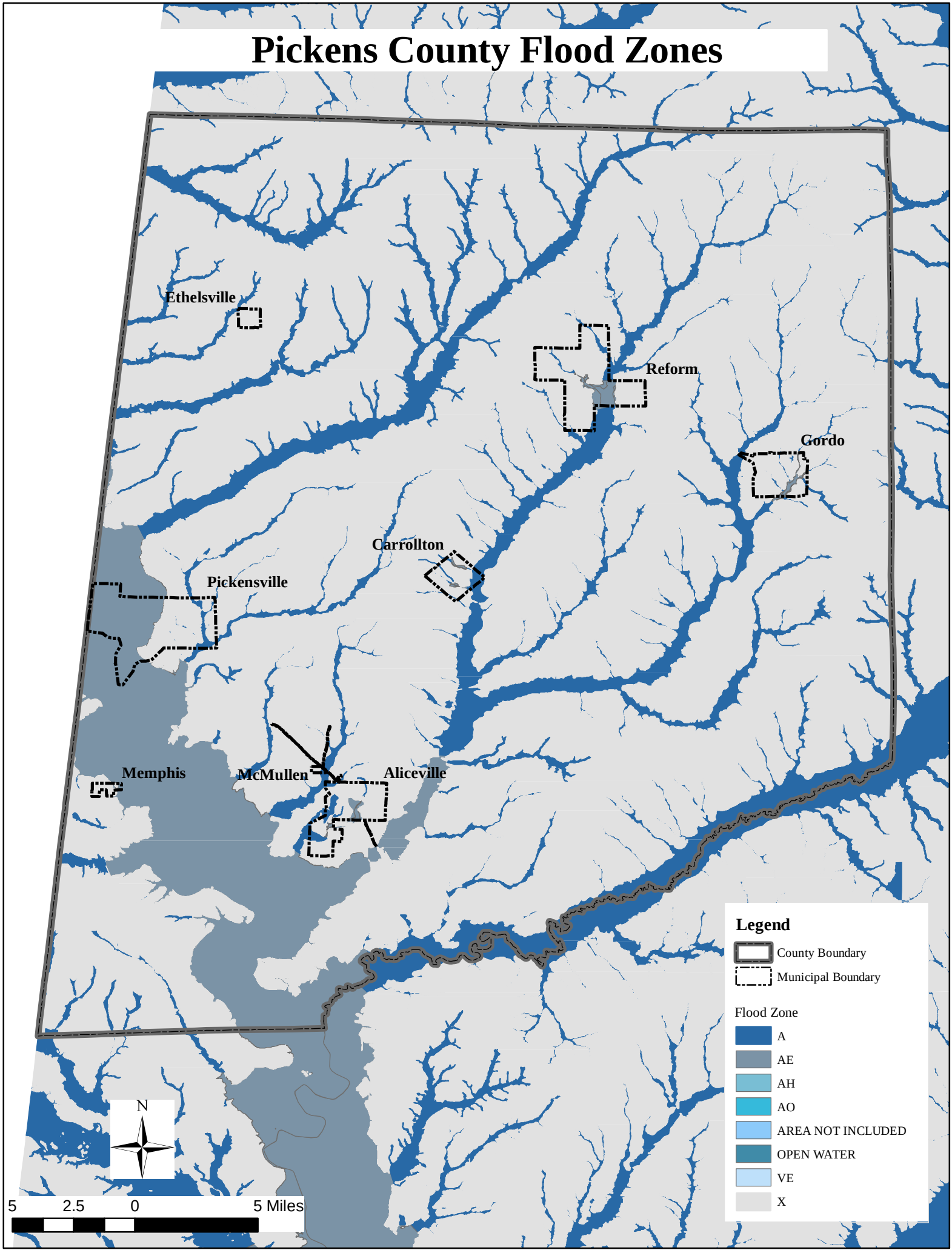
| Zone | Description |
|---|---|
| V | Coastal areas with a 1% or greater chance of flooding and an additional hazard associated with storm waves. These areas have a 26% chance of flooding over the life of a 30-year mortgage. No base flood elevations are shown within these zones. |
| VE, V1-30 | Coastal areas with a 1% or greater chance of flooding and an additional hazard associated with storm waves. These areas have a 26% chance of flooding over the life of a 30-year mortgage. Base flood elevations derived from detailed analyses are shown at selected intervals within these zones. |

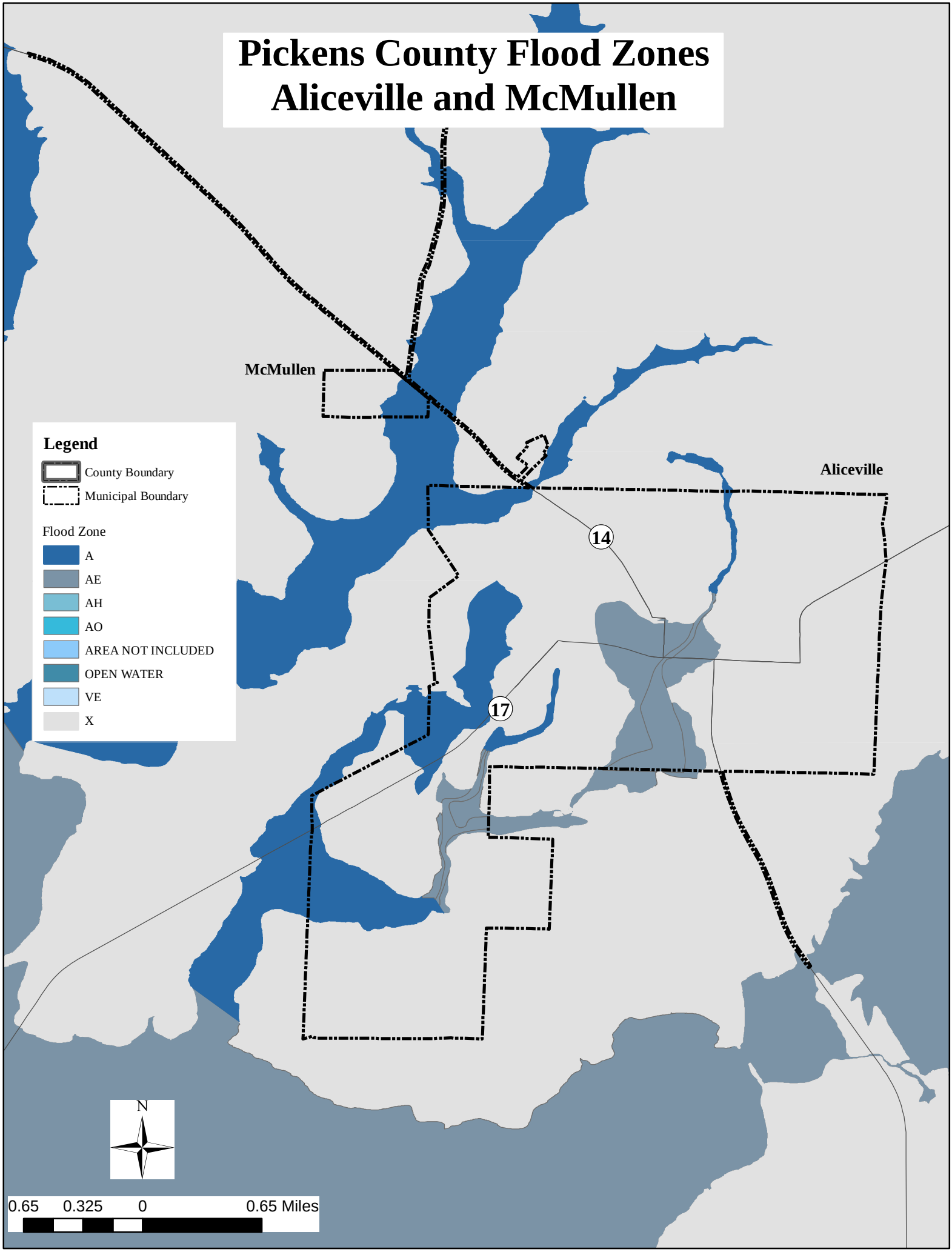
**Undetermined Risk Areas**

| Zone | Description |
|---|---|
| D | Areas with possible but undetermined flood hazards. No flood hazard analysis has been conducted. Flood insurance rates are commensurate with the uncertainty of the flood risk. |

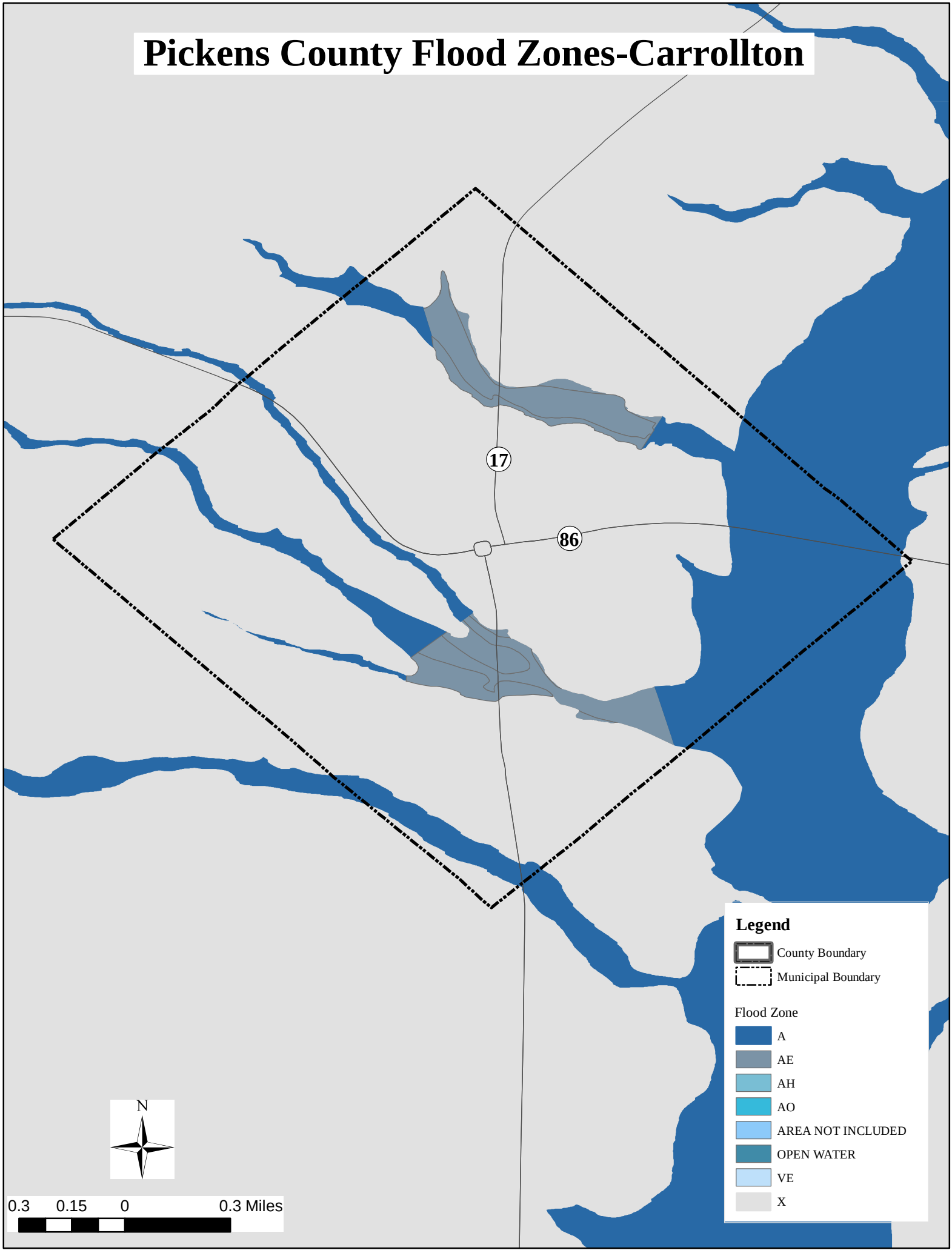
Source: FEMA Map Service Center: https://msc.fema.gov/portal/home

# Pickens County Flood Zones

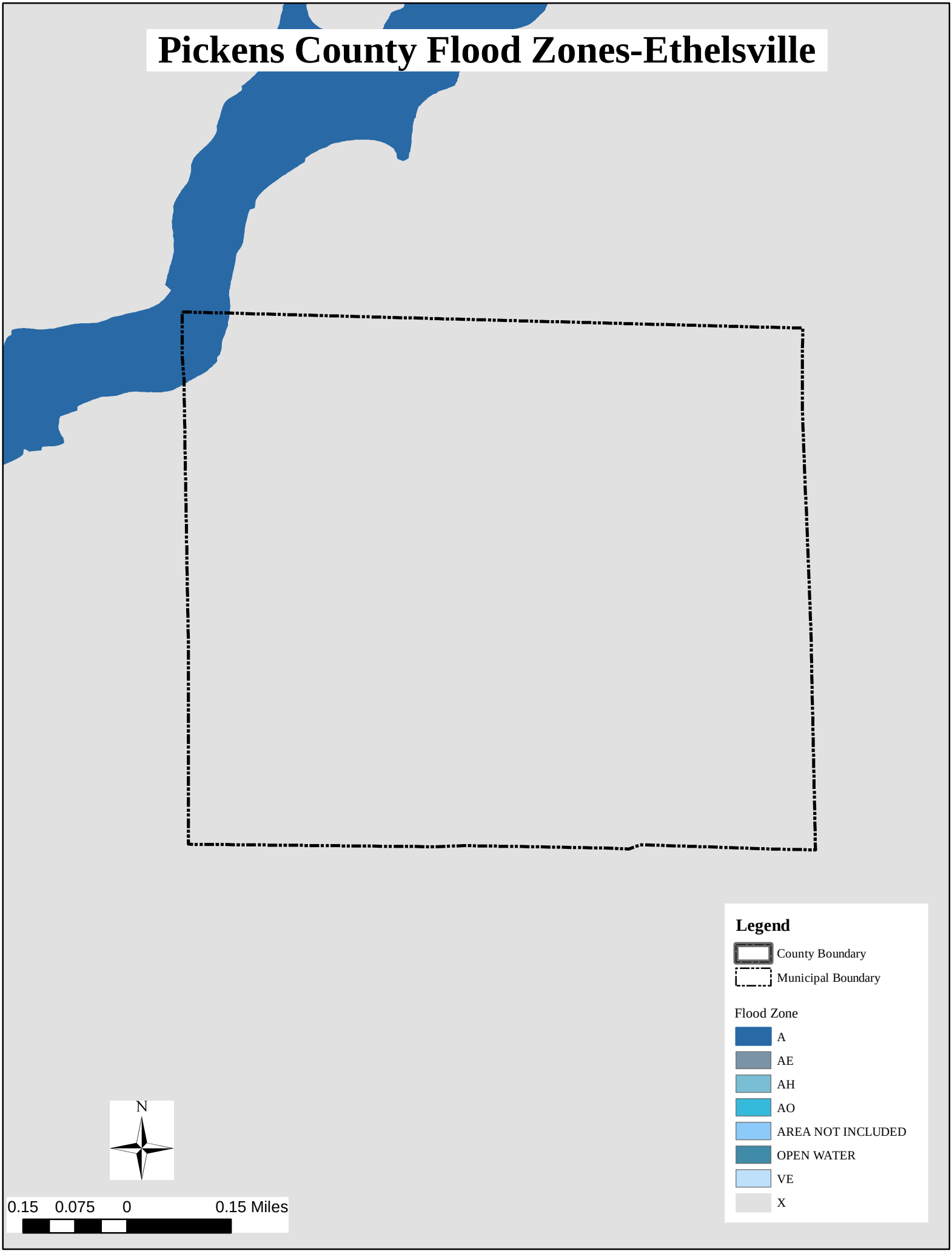


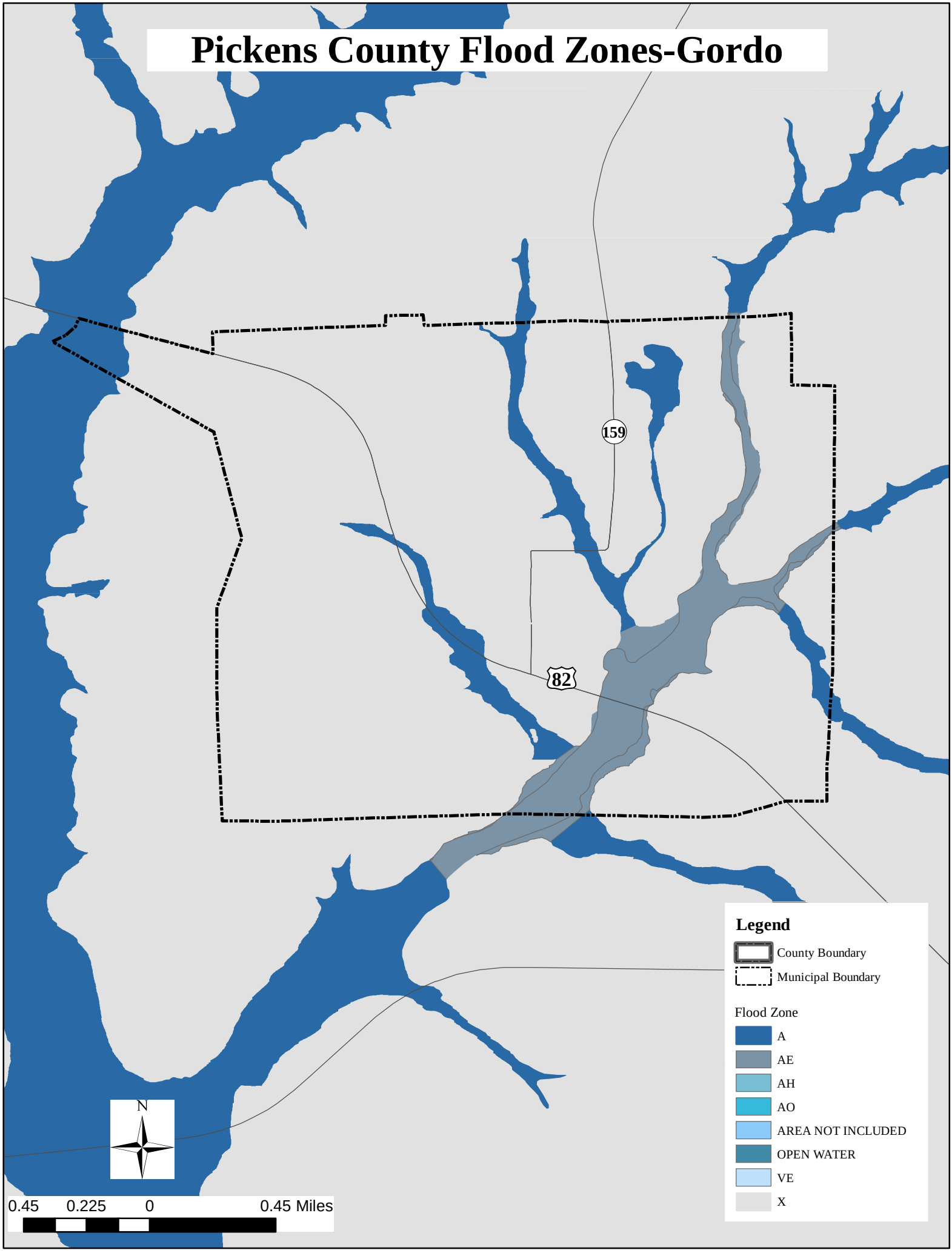

Pickens County Flood Zones
Aliceville and McMullen
McMullen
Aliceville
14
17
Legend
County Boundary
Municipal Boundary
Flood Zone
A
AE
AH
AO
AREA NOT INCLUDED
OPEN WATER
VE
X
N
0.65 0.325 0 0.65 Miles

# Pickens County Flood Zones-Carrollton

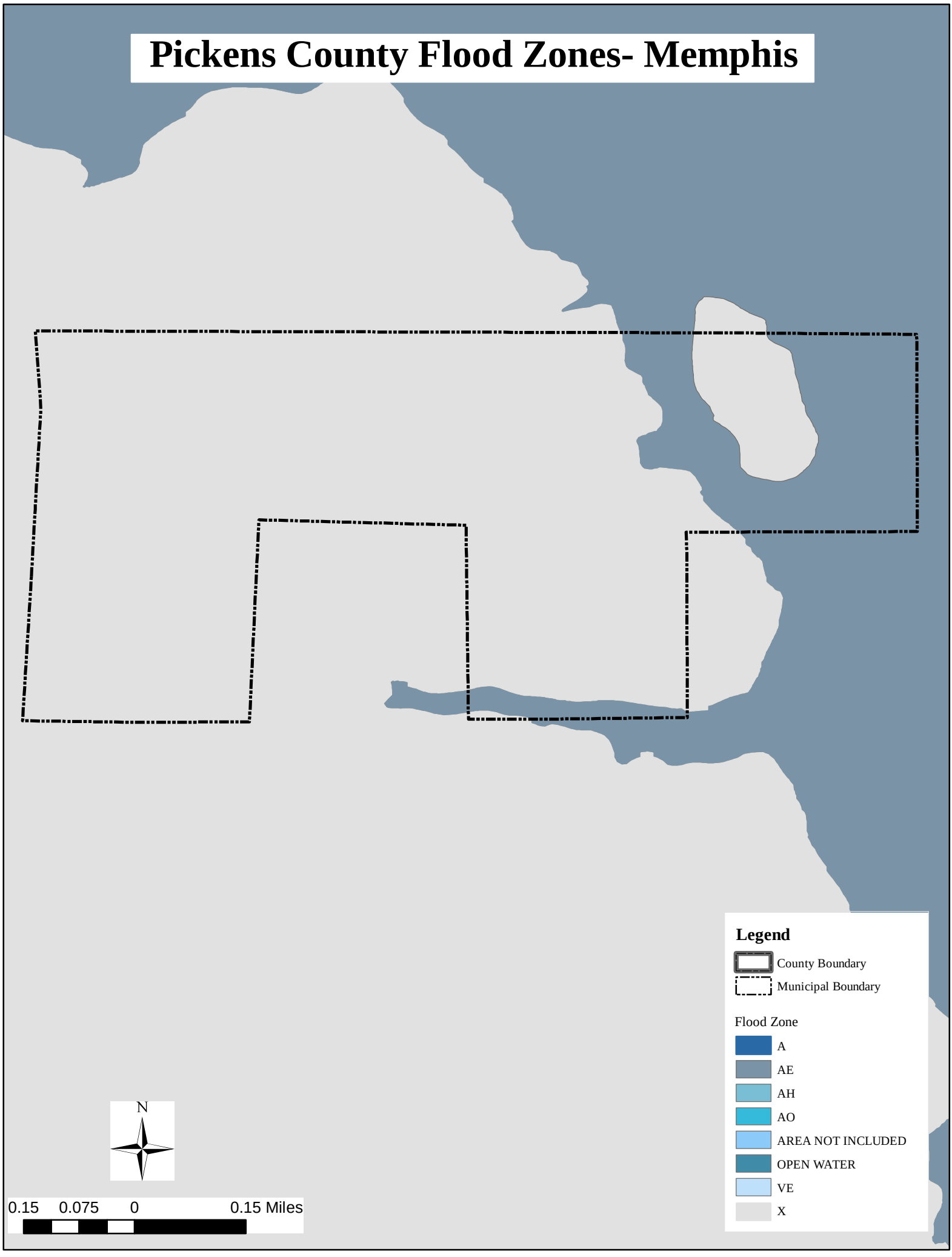


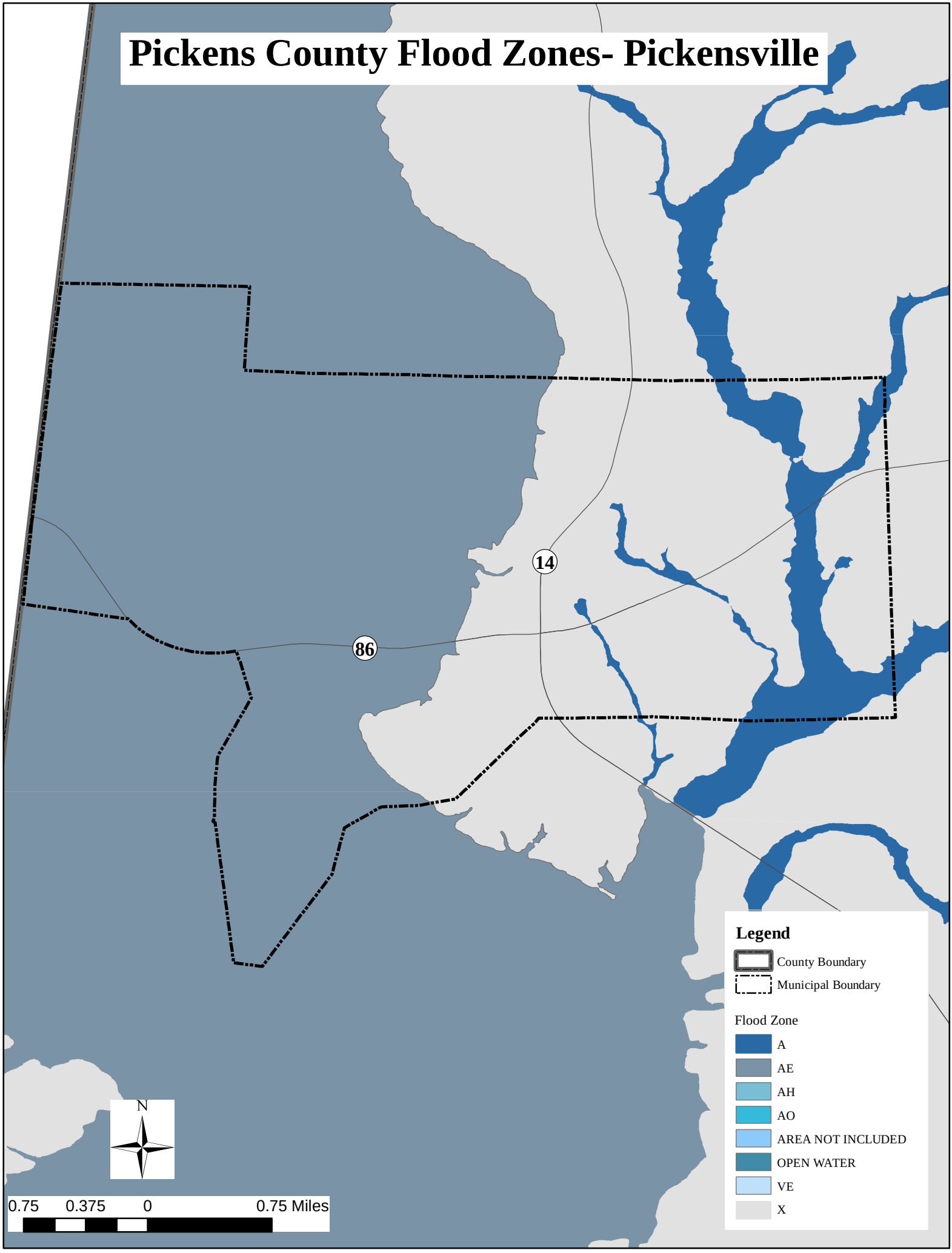
# Pickens County Flood Zones-Ethelsville

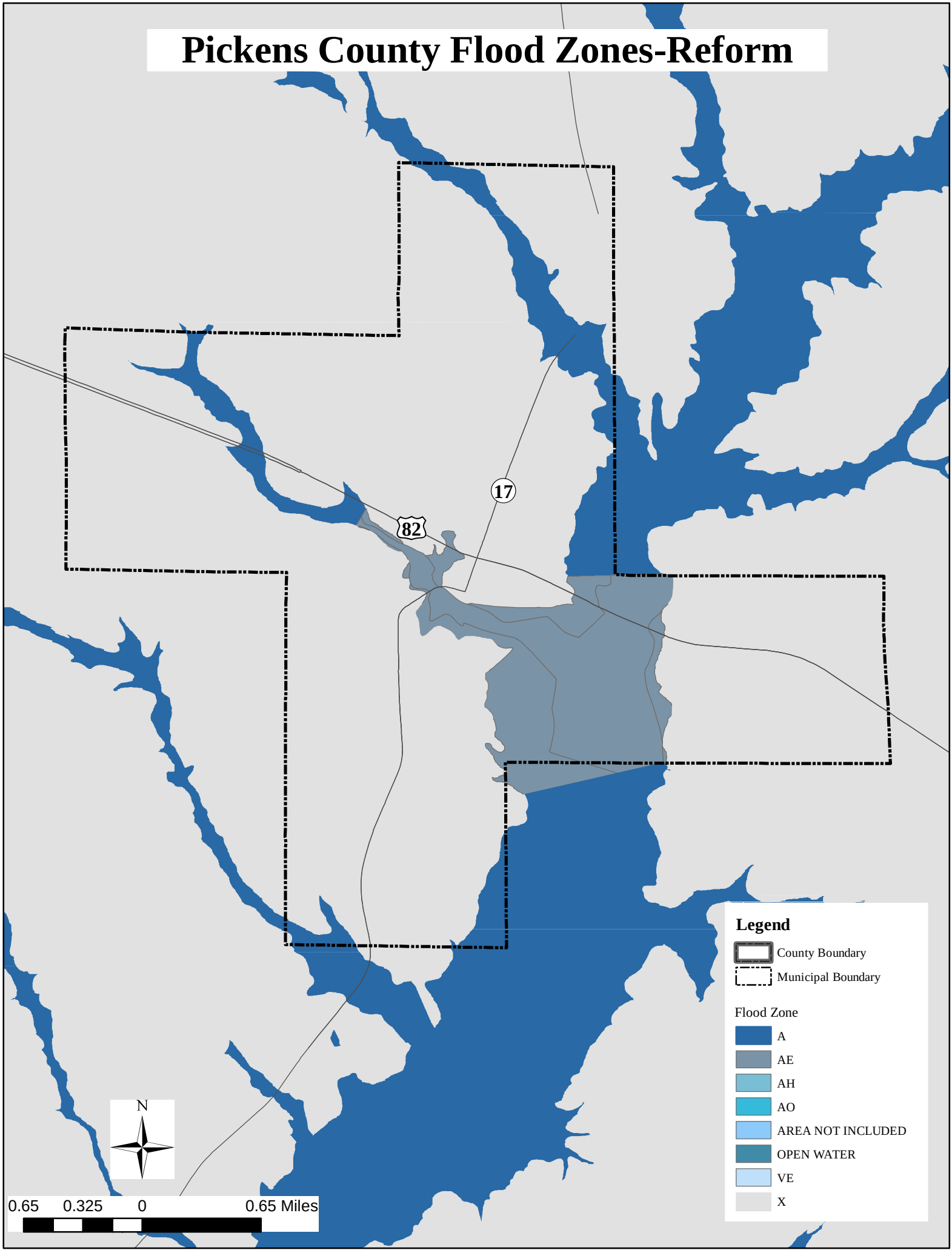


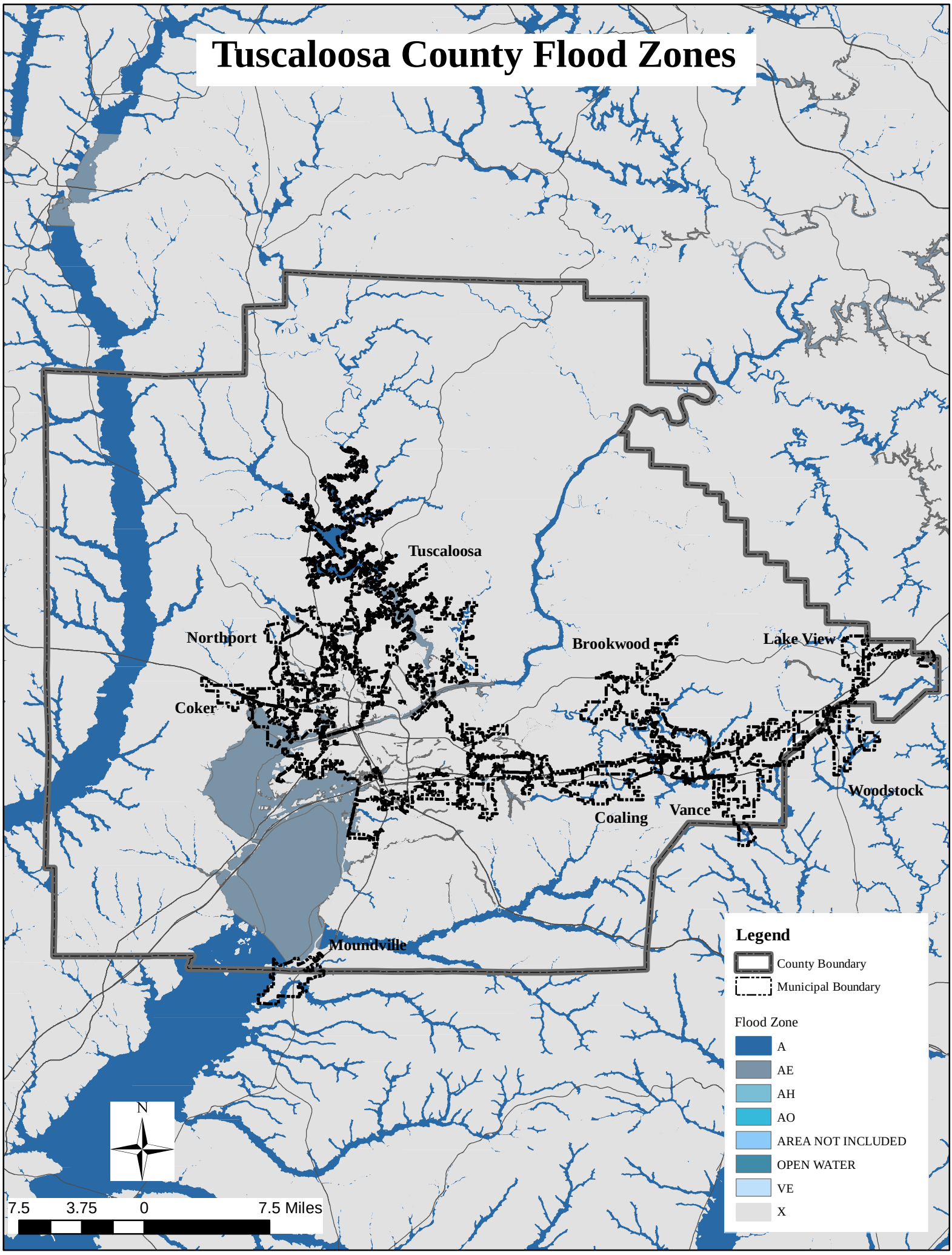

Pickens County Flood Zones-Gordo
159
82
Legend
County Boundary
Municipal Boundary
Flood Zone
A
AE
AH
AO
AREA NOT INCLUDED
OPEN WATER
VE
X
N
0.45 0.225 0 0.45 Miles

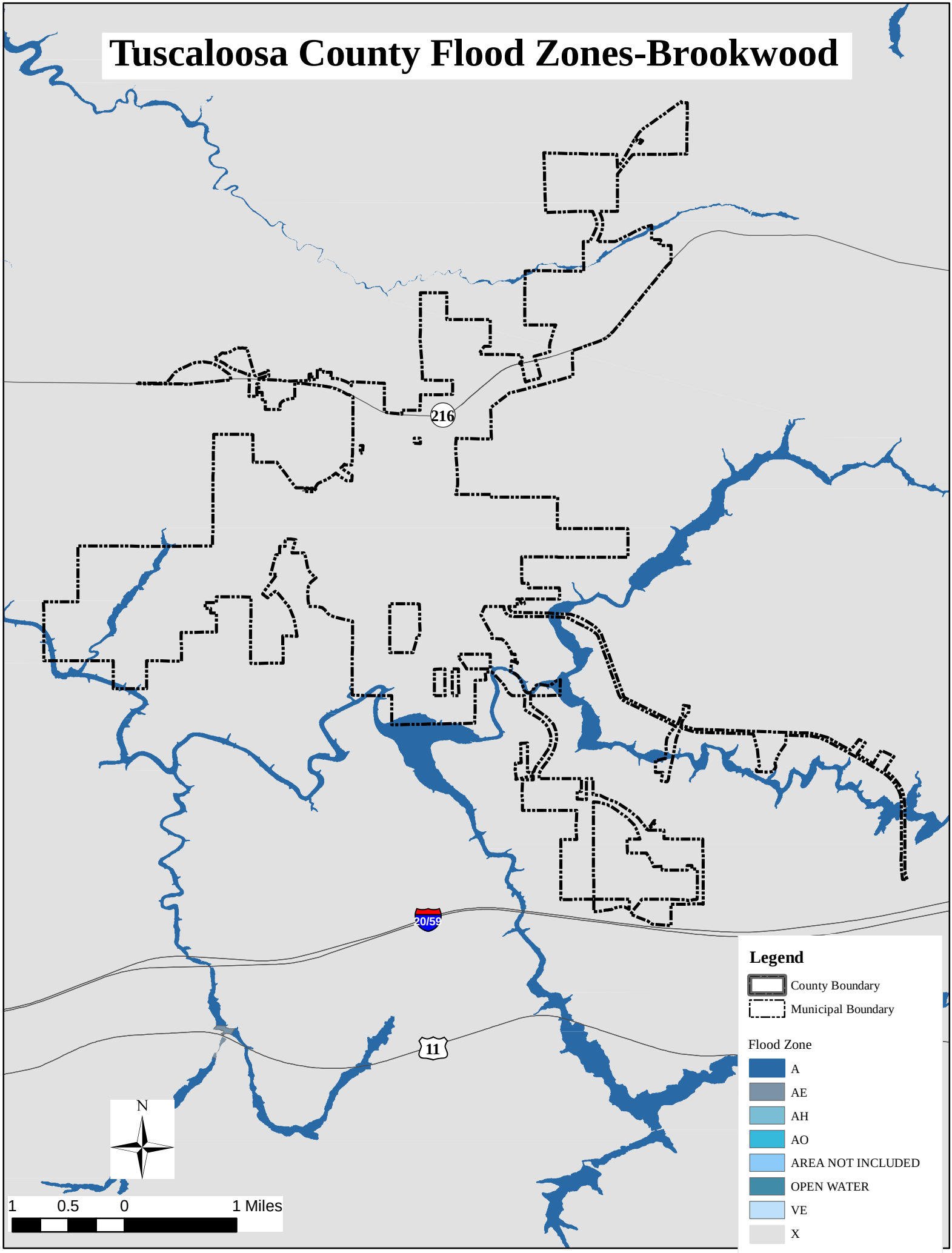
# Pickens County Flood Zones- Memphis



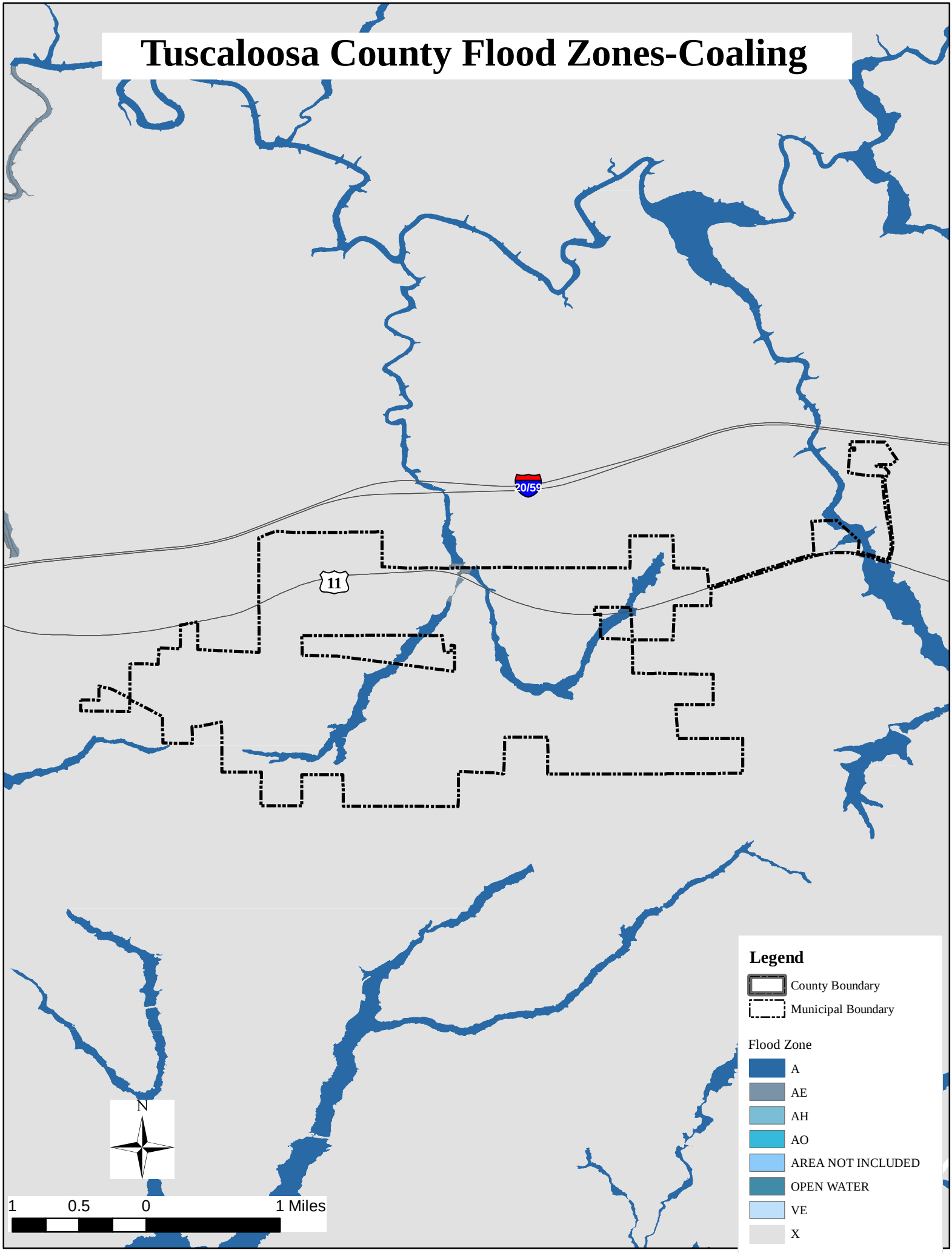

Pickens County Flood Zones- Pickensville
14
86
Legend
County Boundary
Municipal Boundary
Flood Zone
A
AE
AH
AO
AREA NOT INCLUDED
OPEN WATER
VE
X
N
0.75 0.375 0 0.75 Miles


Pickens County Flood Zones-Reform
17
82
Legend
County Boundary
Municipal Boundary
Flood Zone
A
AE
AH
AO
AREA NOT INCLUDED
OPEN WATER
VE
X
N
0.65 0.325 0 0.65 Miles

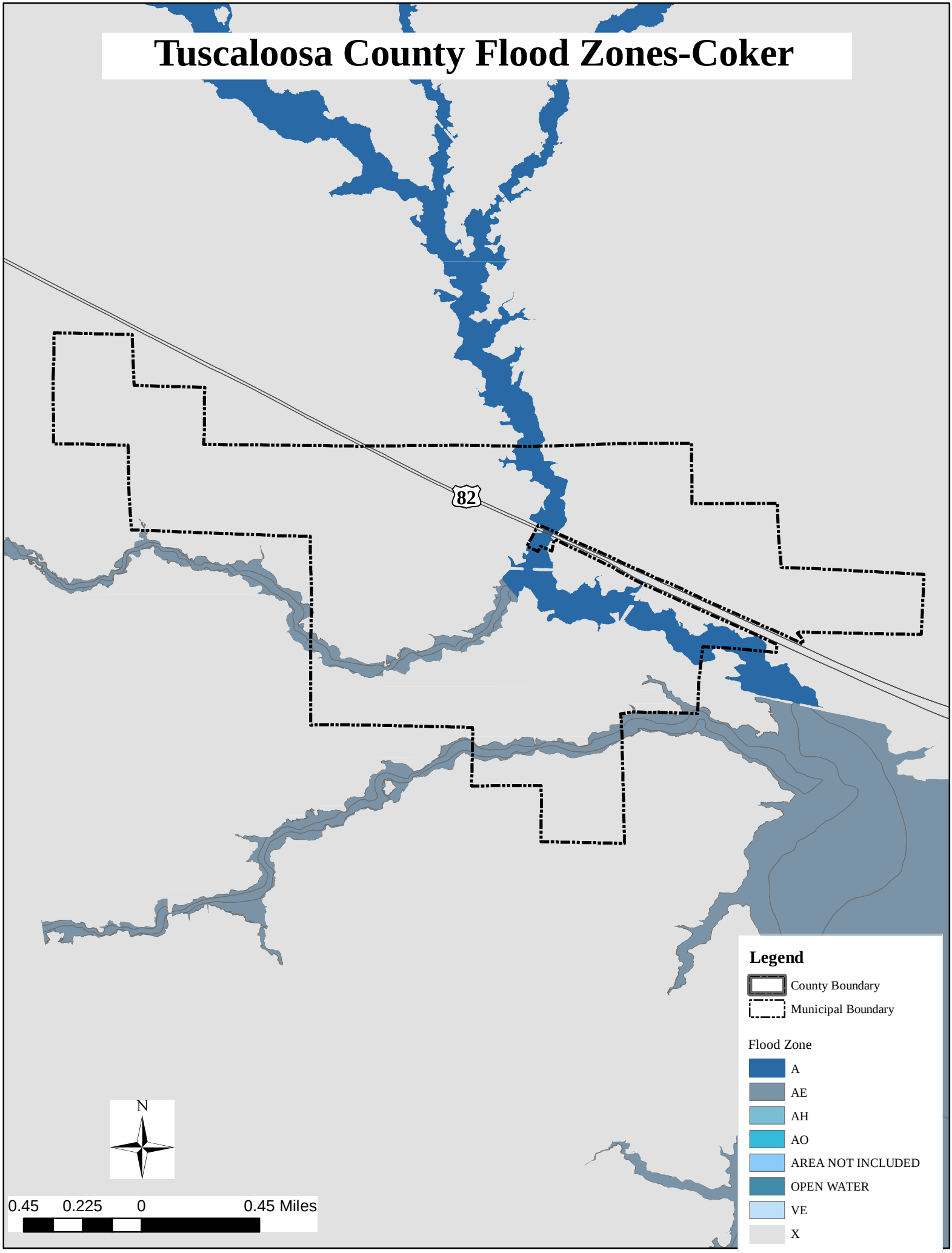

Tuscaloosa County Flood Zones
Tuscaloosa
Northport
Coker
Brookwood
Lake View
Coaling
Vance
Woodstock
Moundville
Legend
County Boundary
Municipal Boundary
Flood Zone
A
AE
AH
AO
AREA NOT INCLUDED
OPEN WATER
VE
X
N
7.5 3.75 0 7.5 Miles


Tuscaloosa County Flood Zones-Brookwood
216
20/59
11
N
1 0.5 0 1 Miles
Legend
County Boundary
Municipal Boundary
Flood Zone
A
AE
AH
AO
AREA NOT INCLUDED
OPEN WATER
VE
X

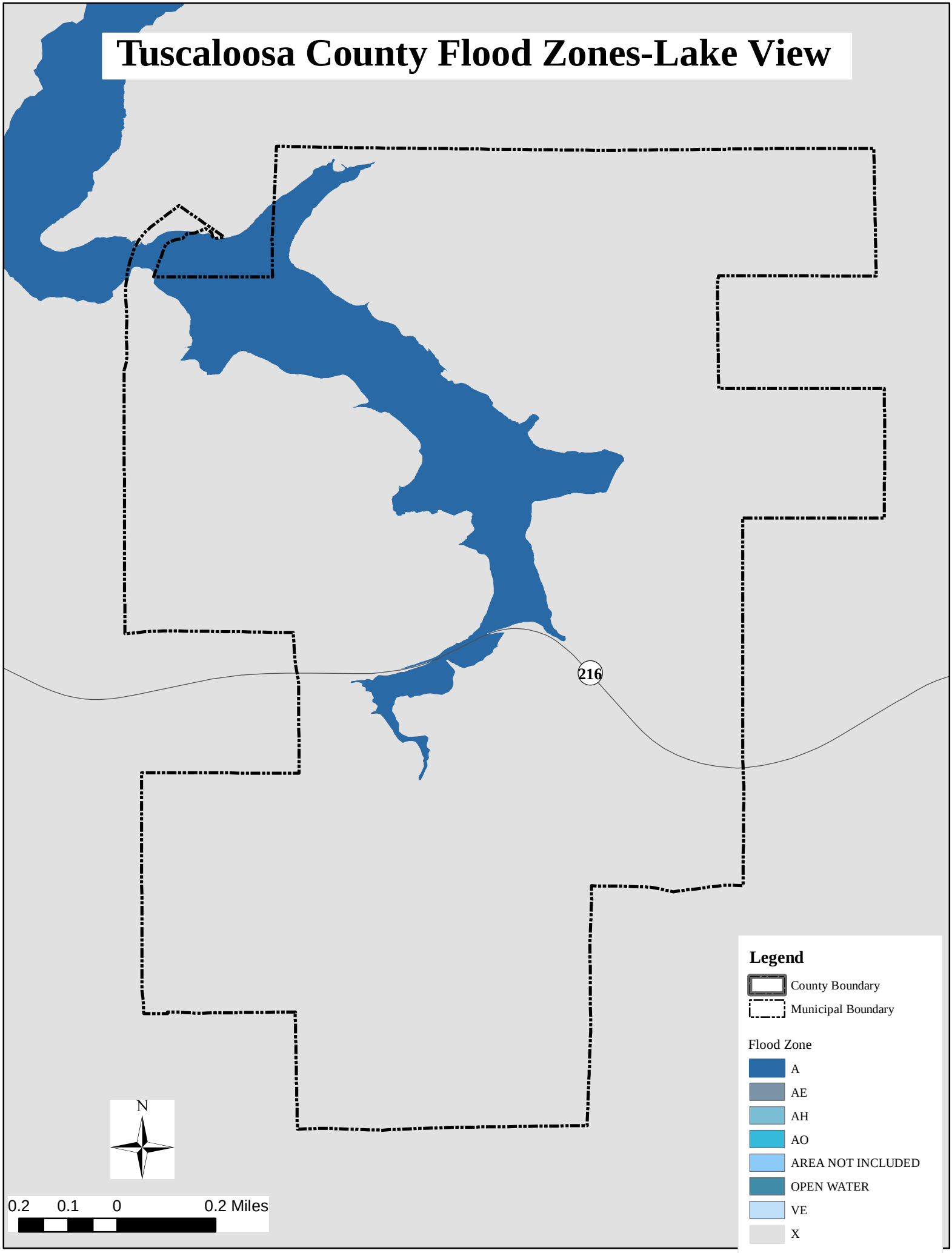
# Tuscaloosa County Flood Zones-Coaling



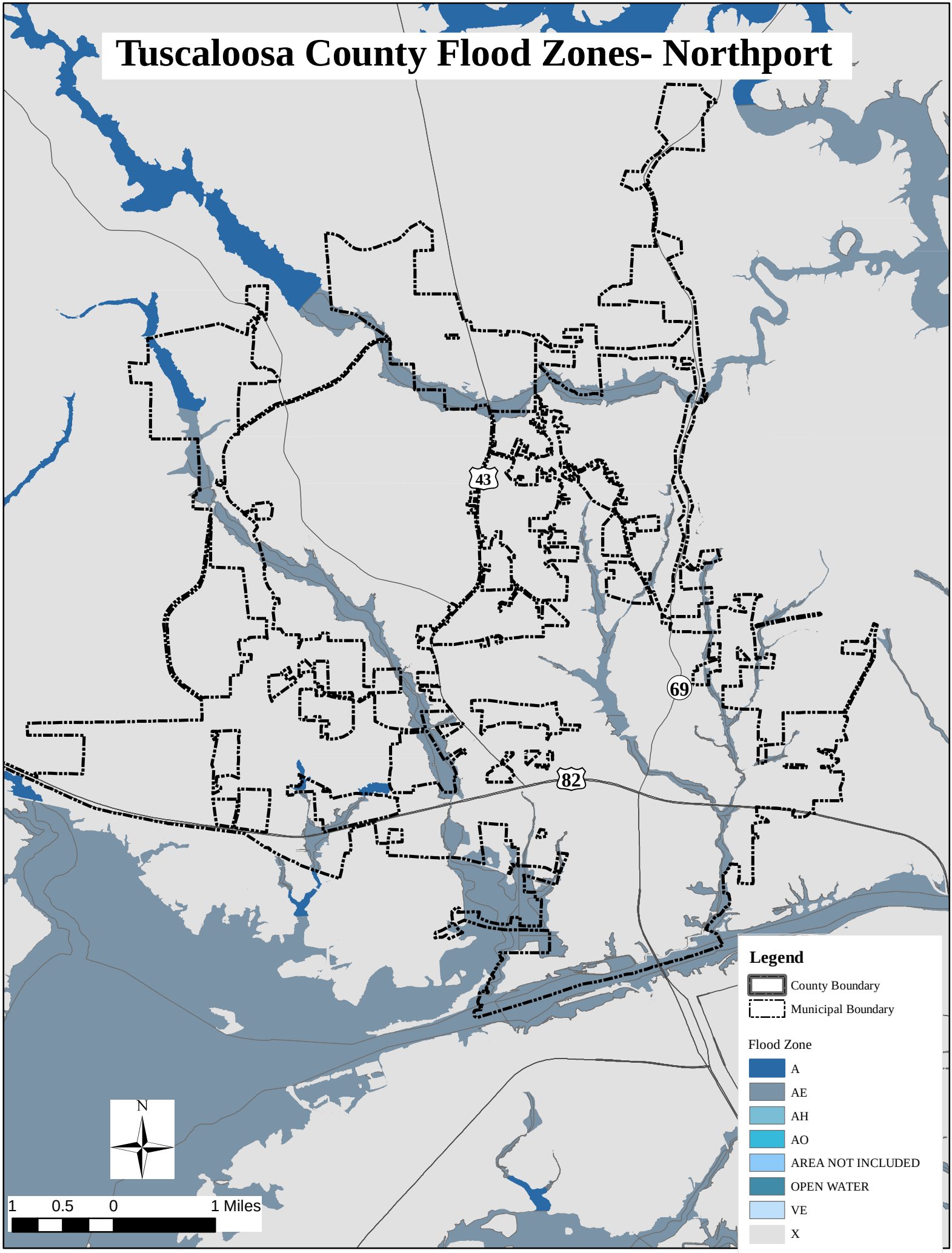
# Tuscaloosa County Flood Zones-Coker



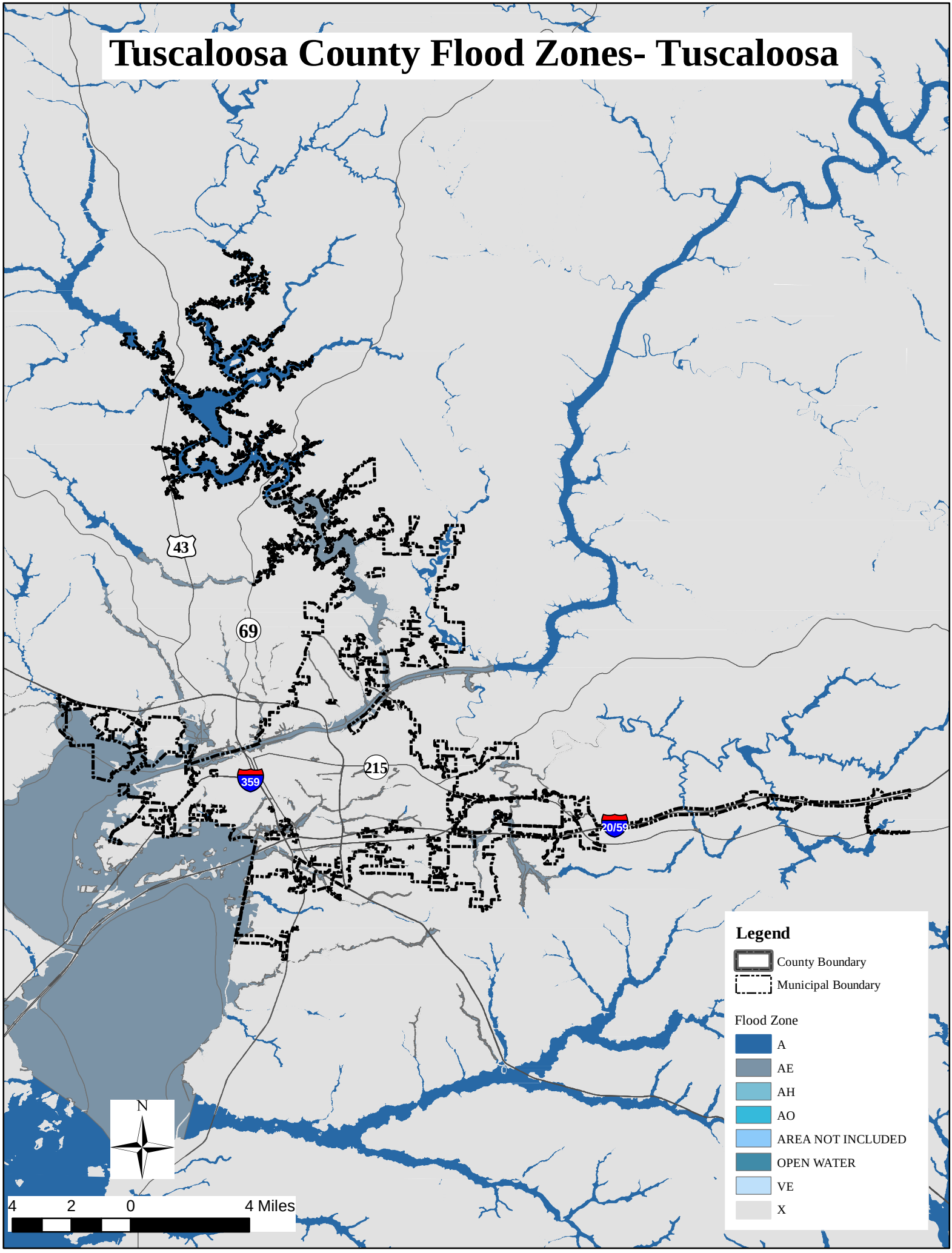
# Tuscaloosa County Flood Zones-Lake View

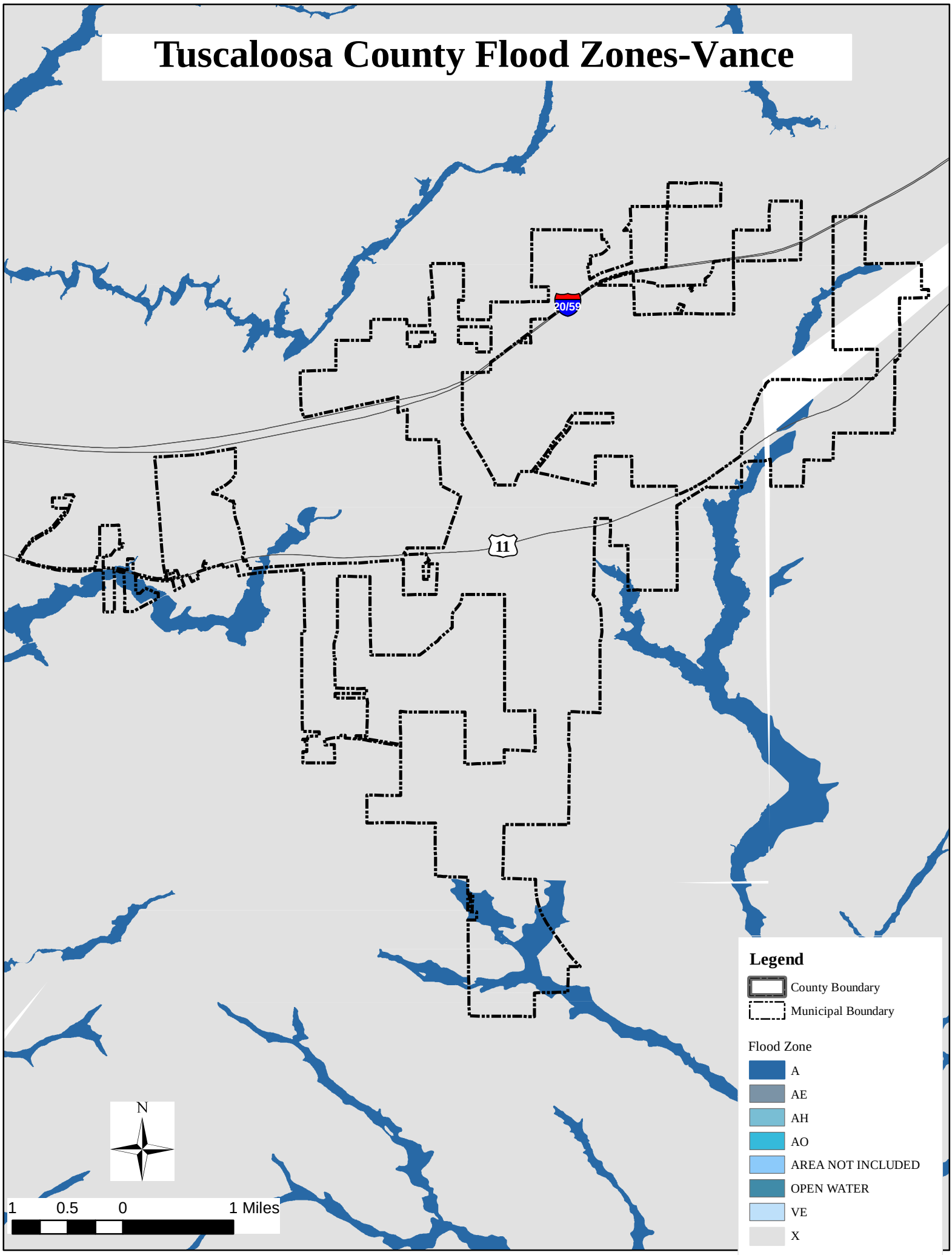


# Tuscaloosa County Flood Zones- Northport



# Tuscaloosa County Flood Zones- Tuscaloosa

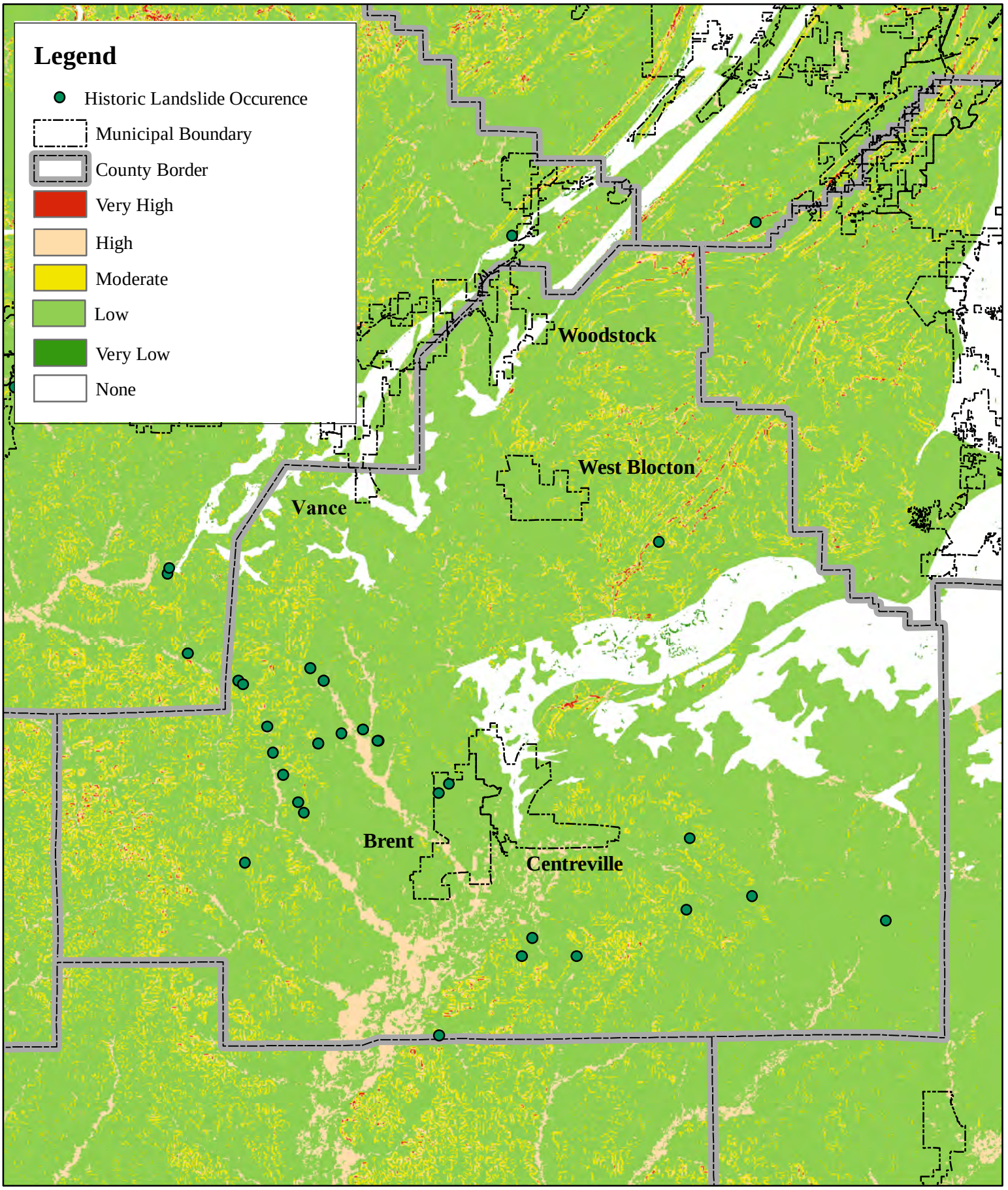



Tuscaloosa County Flood Zones-Vance
20/59
11
Legend
County Boundary
Municipal Boundary
Flood Zone
A
AE
AH
AO
AREA NOT INCLUDED
OPEN WATER
VE
X
N
1 0.5 0 1 Miles

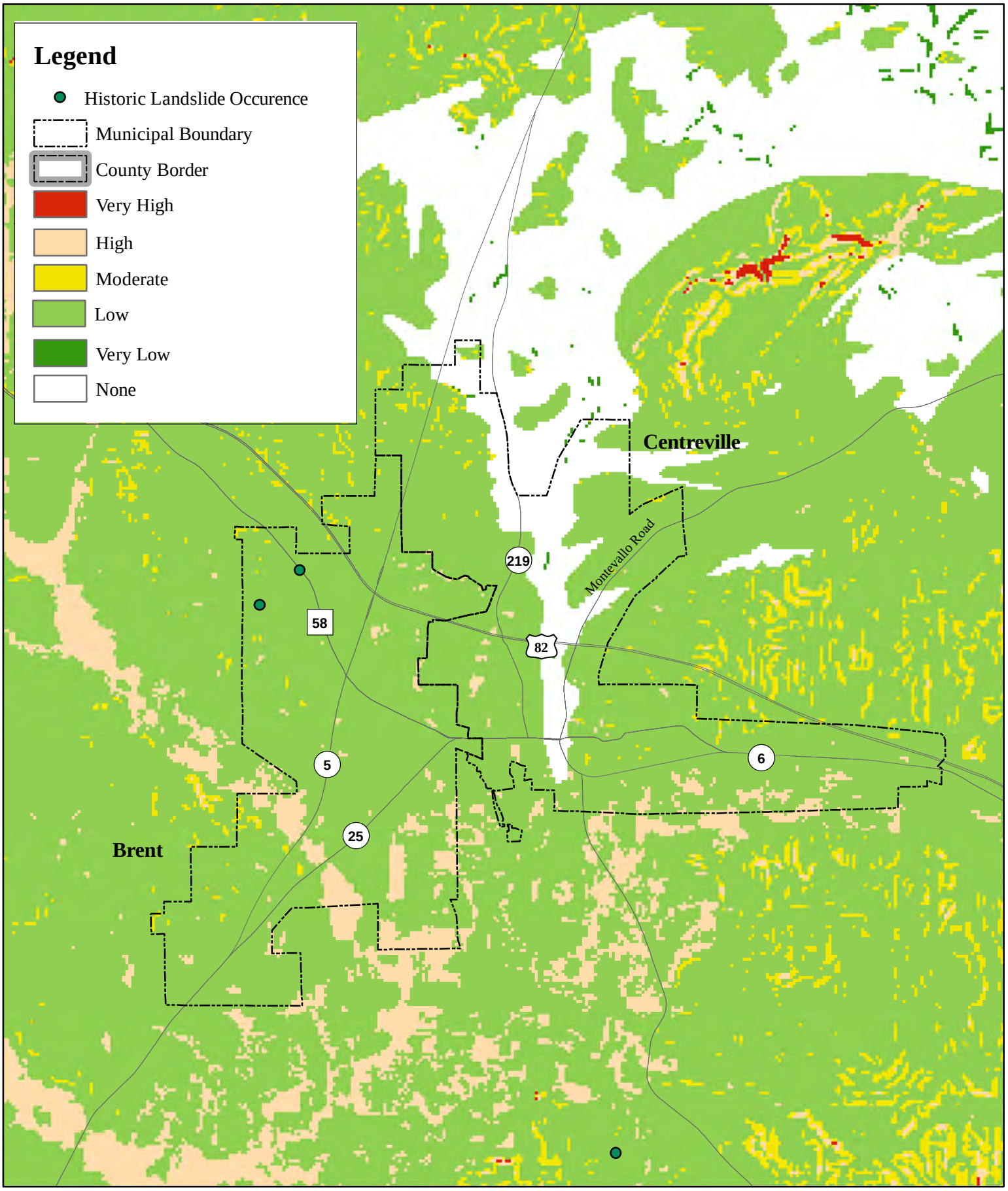
# Appendix D

## Landslide Susceptibility and Historical Occurrences

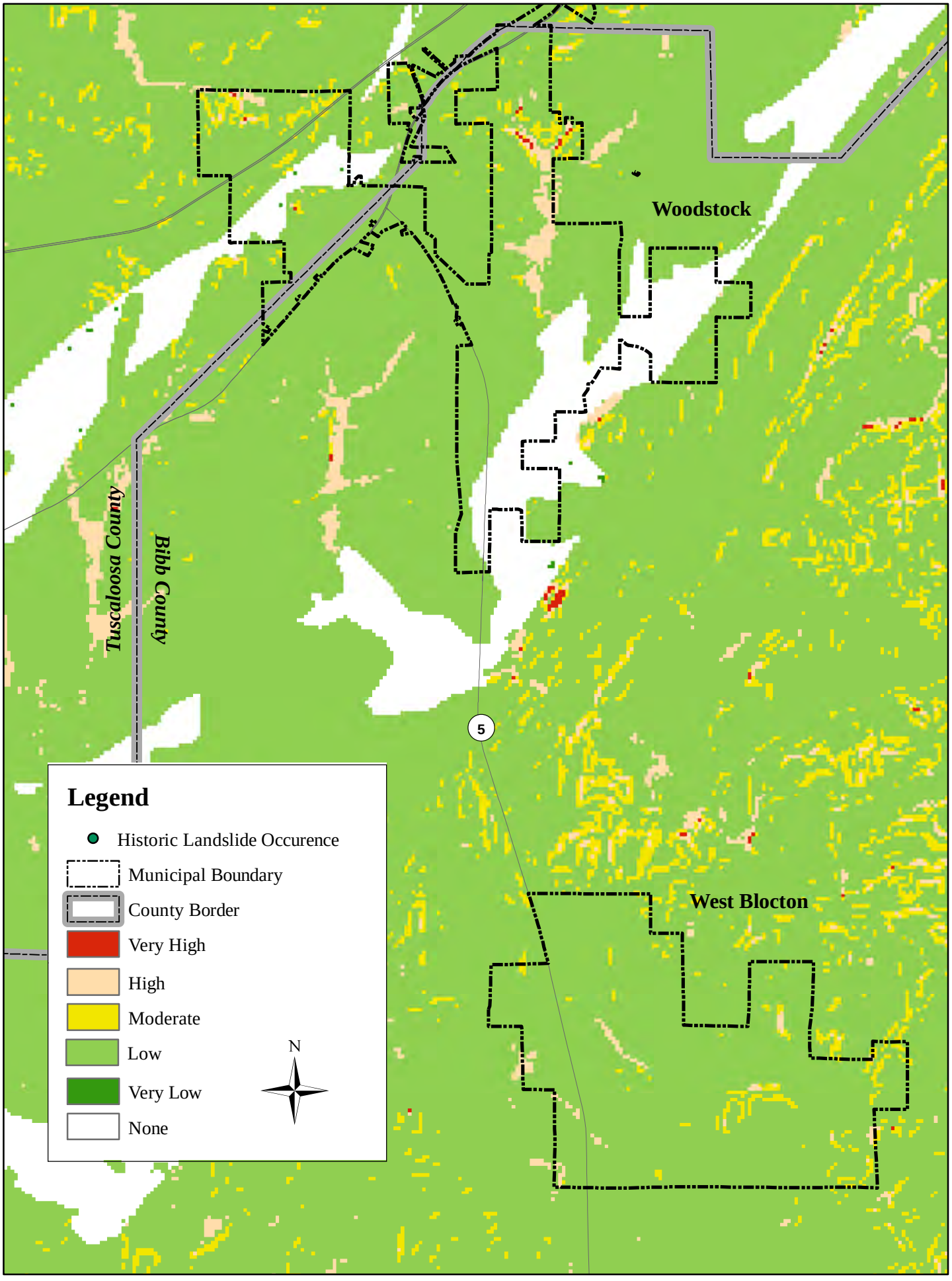
# Bibb County Landslide Susceptibility and Historical Occurrence



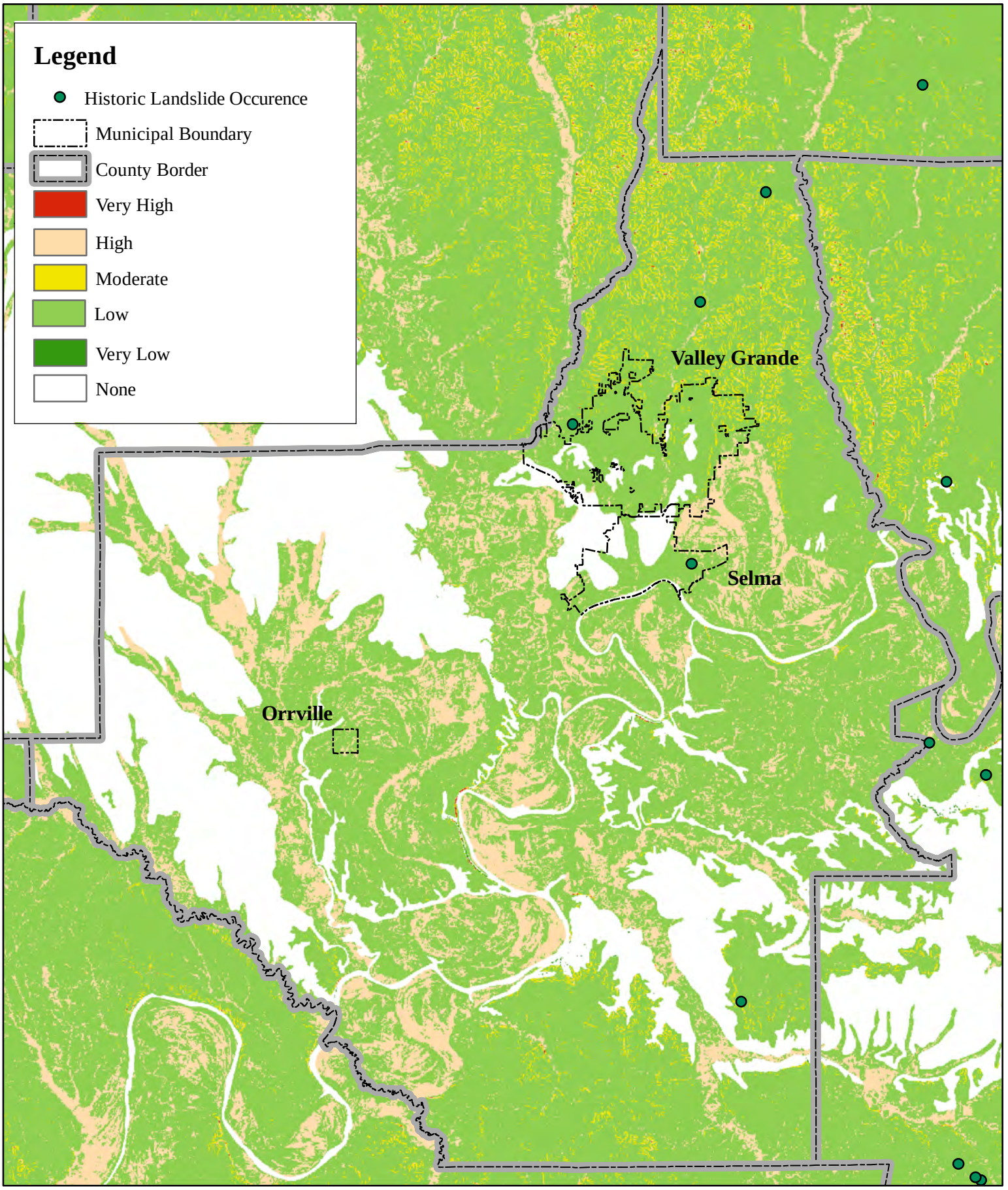
# Bibb County Landslide Susceptibility and Historical Occurrence



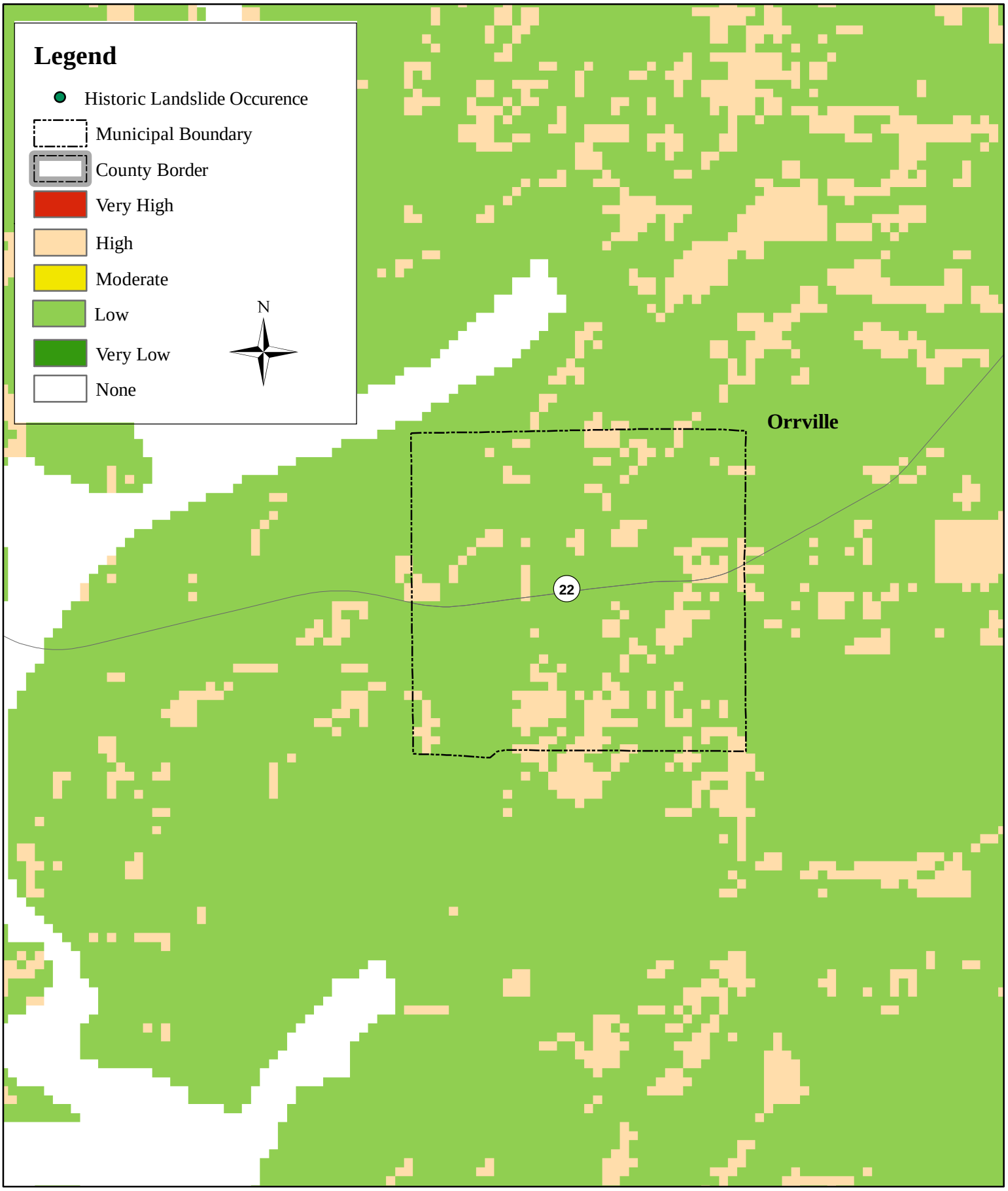
# Bibb County Landslide Susceptibility and Historical Occurrence



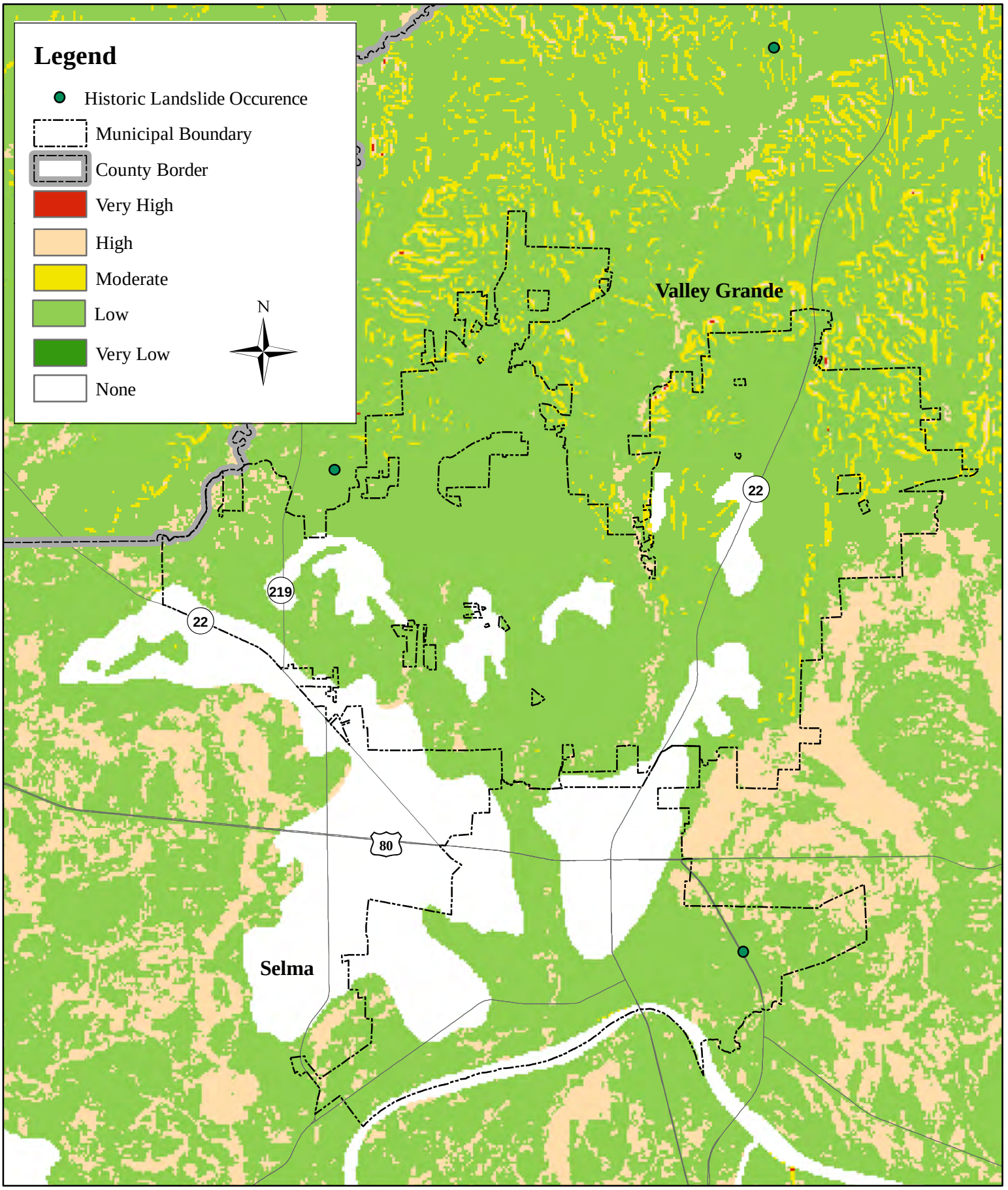
# Dallas County Landslide Susceptibility and Historical Occurrence



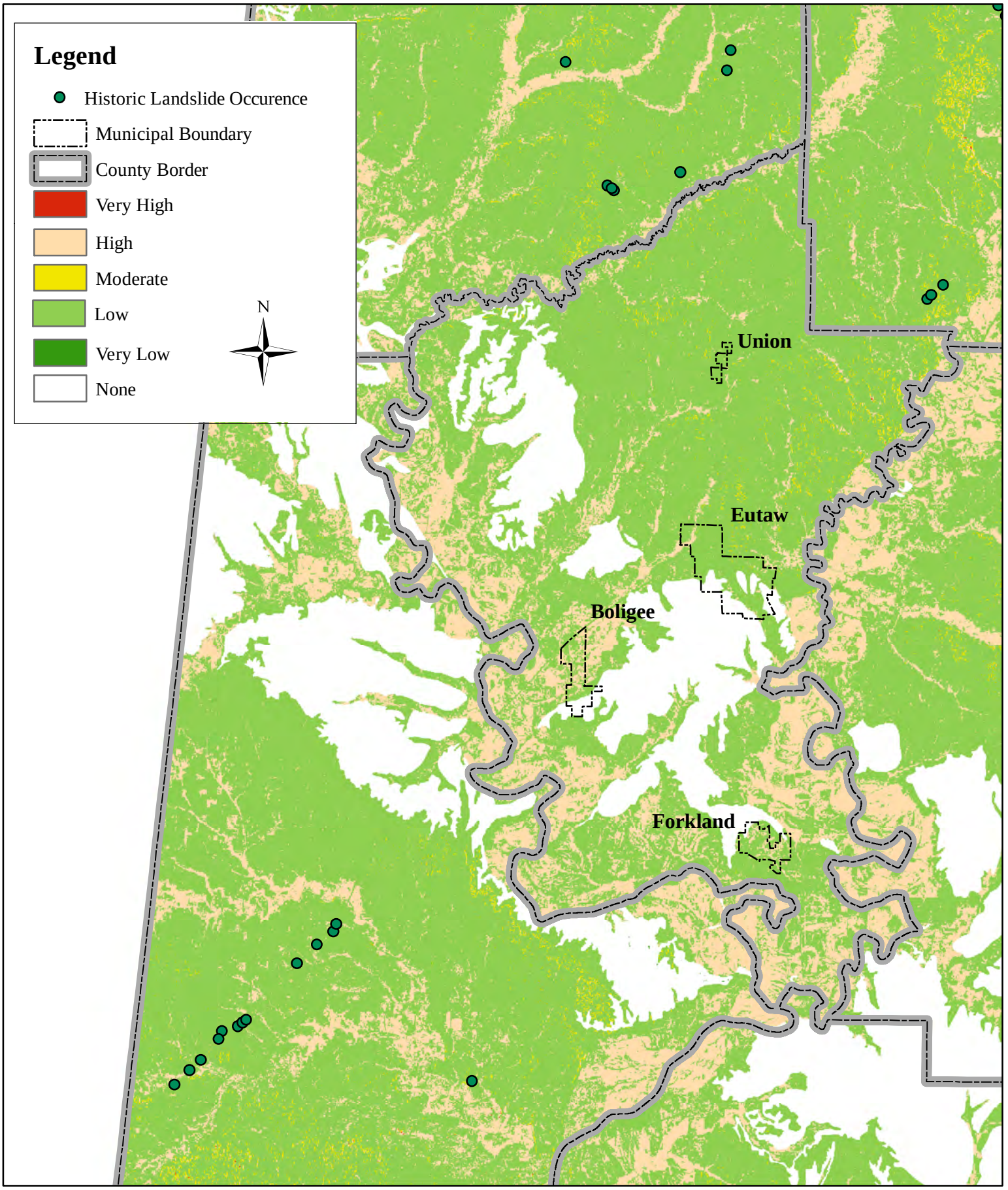
# Dallas County Landslide Susceptibility and Historical Occurrence



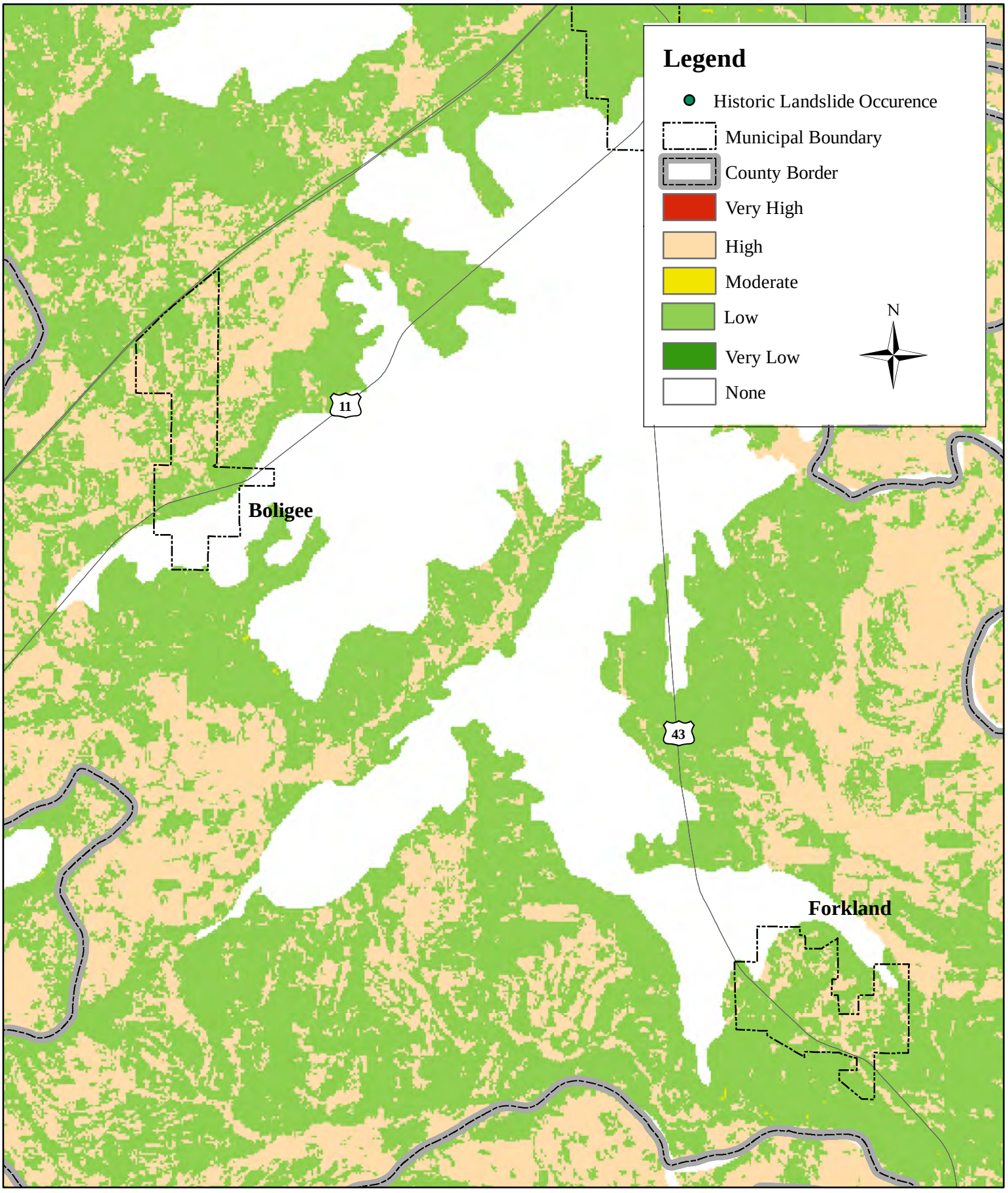
# Dallas County Landslide Susceptibility and Historical Occurrence



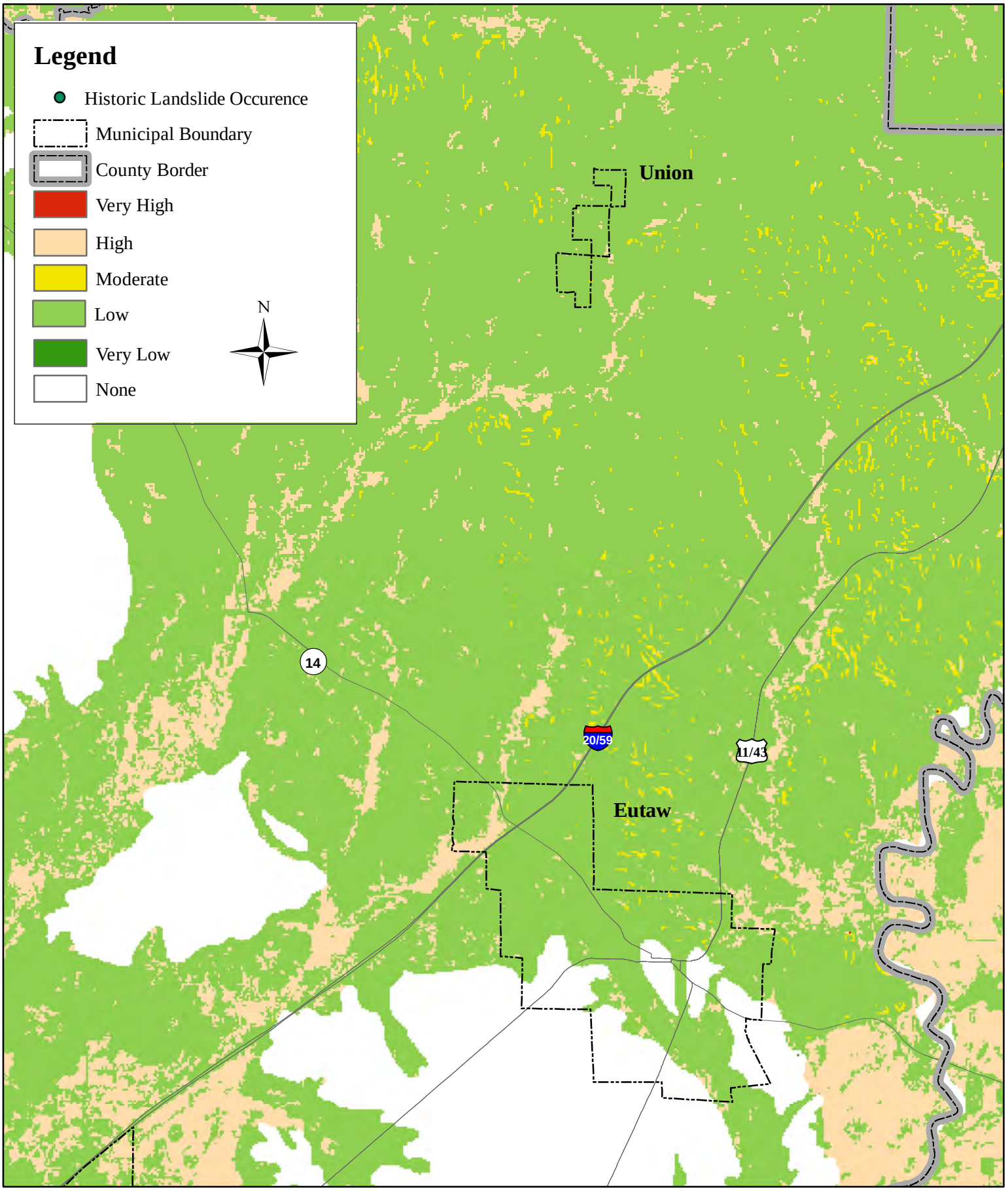
# Greene County Landslide Susceptibility and Historical Occurrence



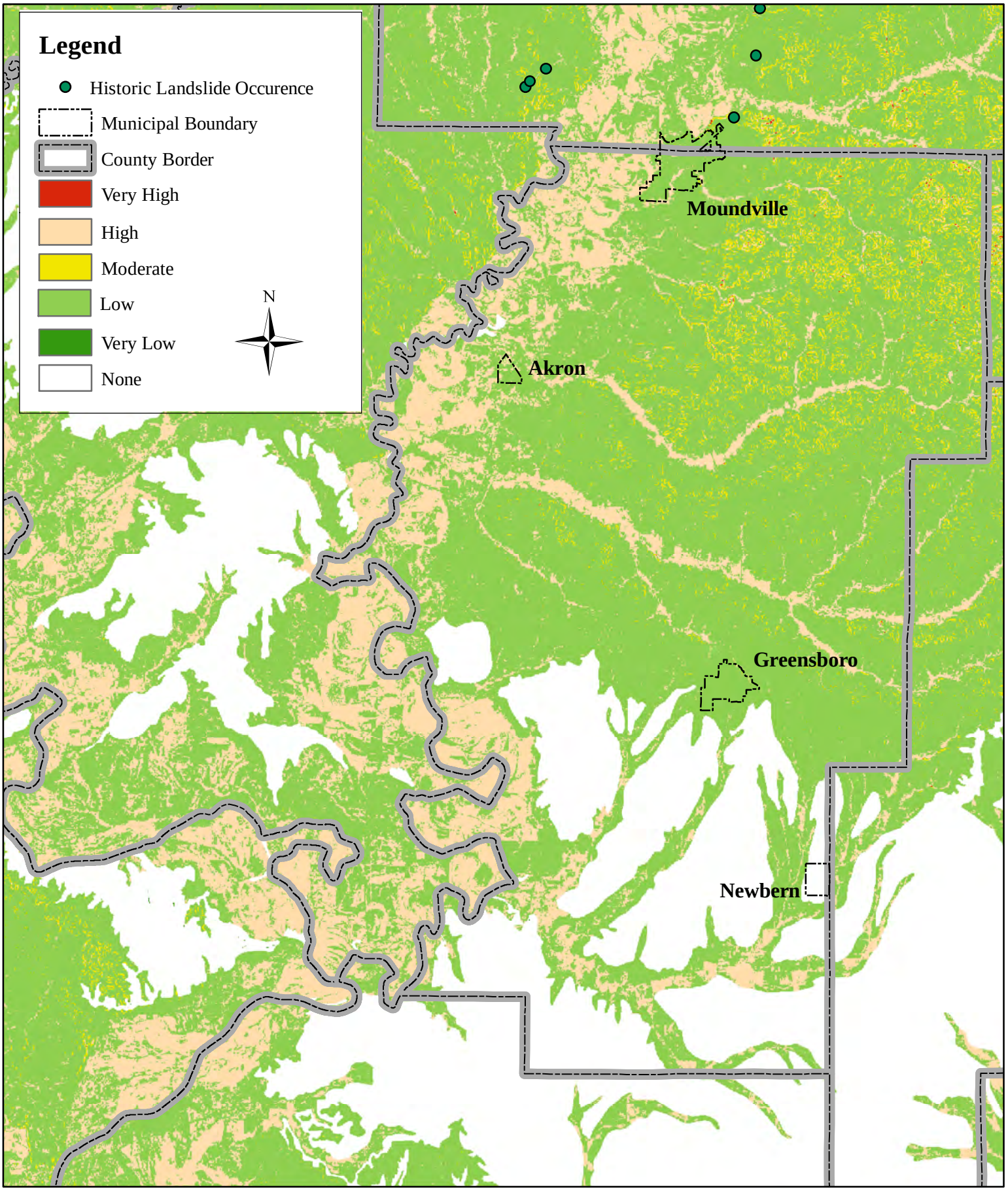
# Greene County Landslide Susceptibility and Historical Occurrence



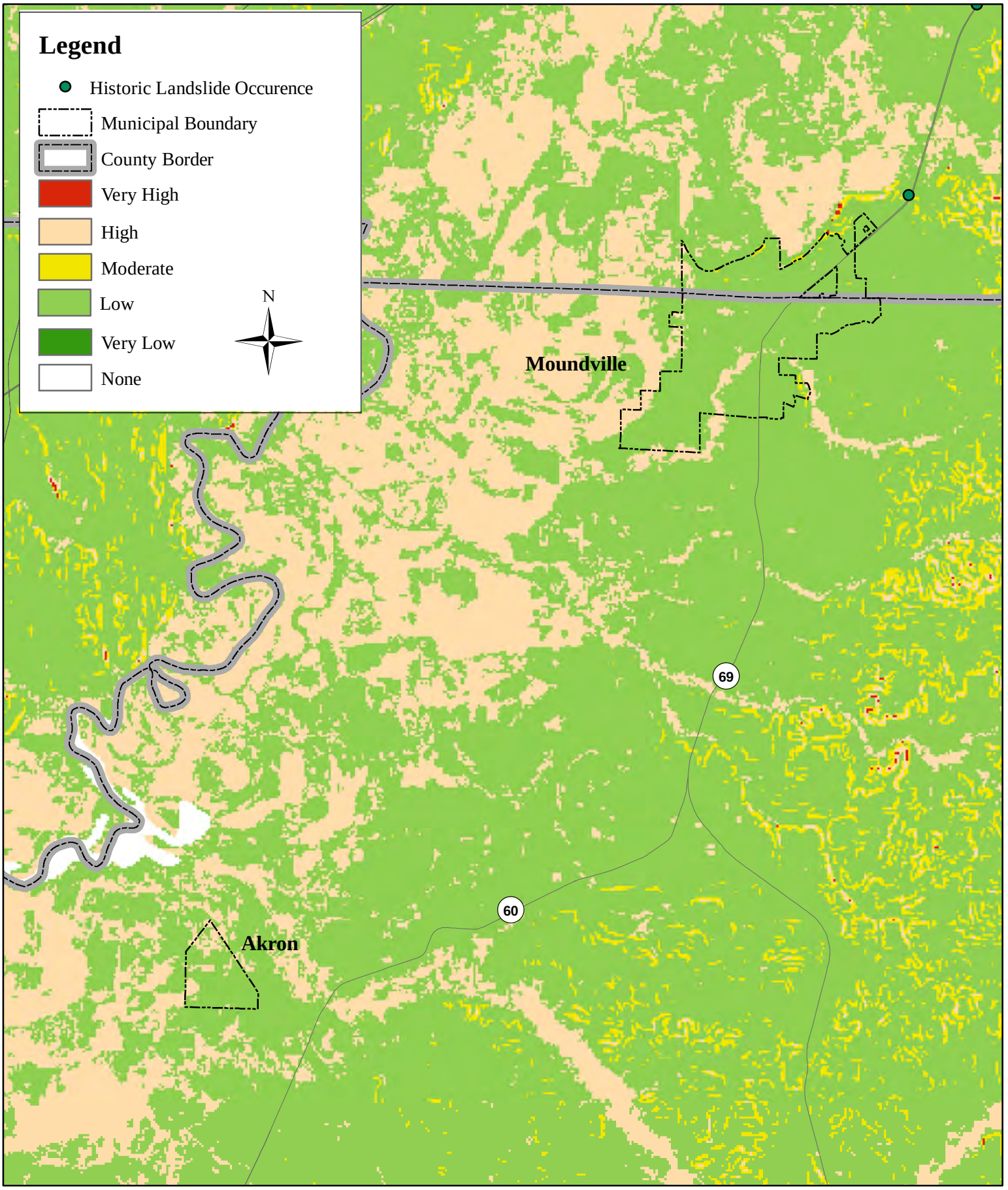
# Greene County Landslide Susceptibility and Historical Occurrence



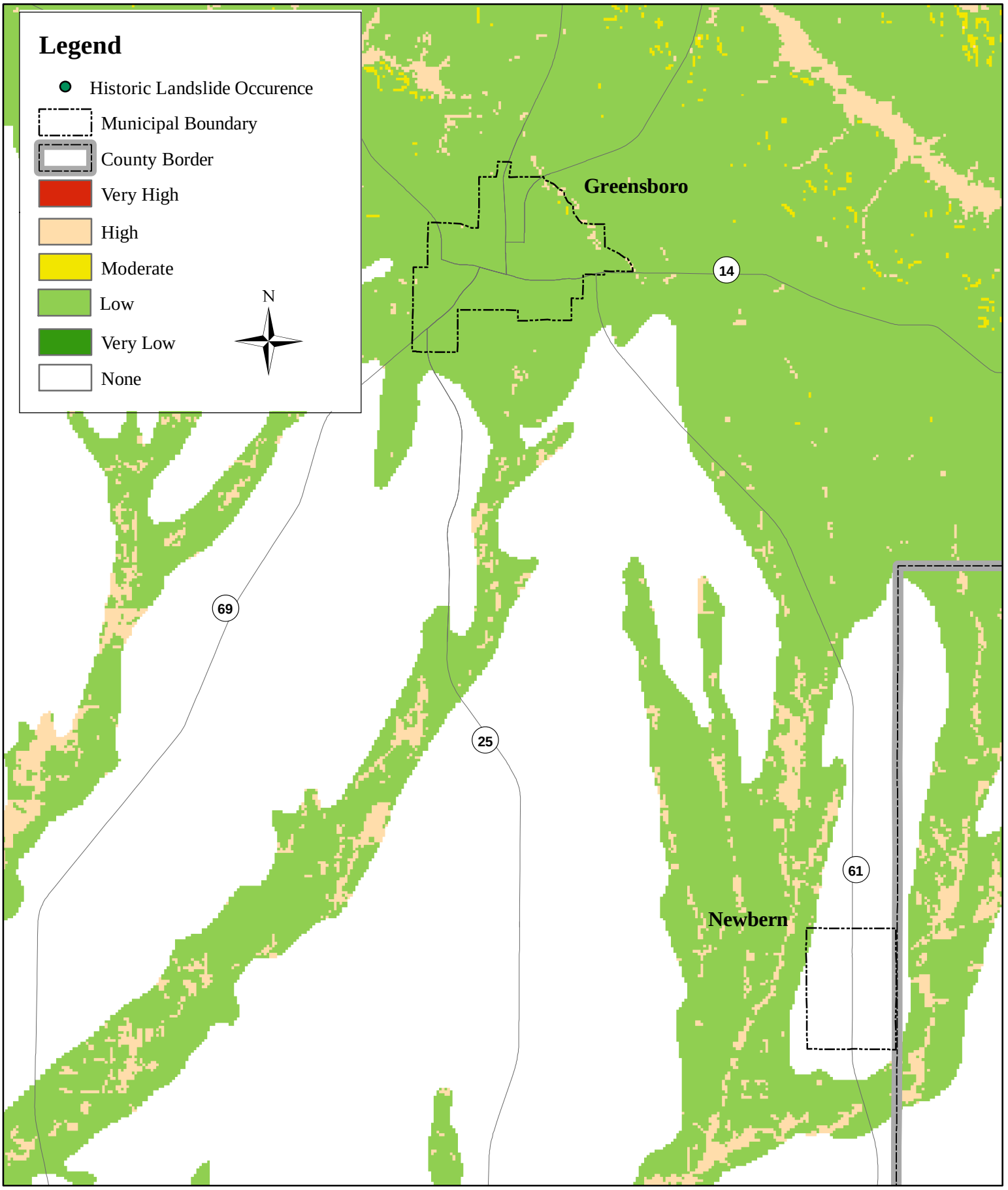
# Hale County Landslide Susceptibility and Historical Occurrence



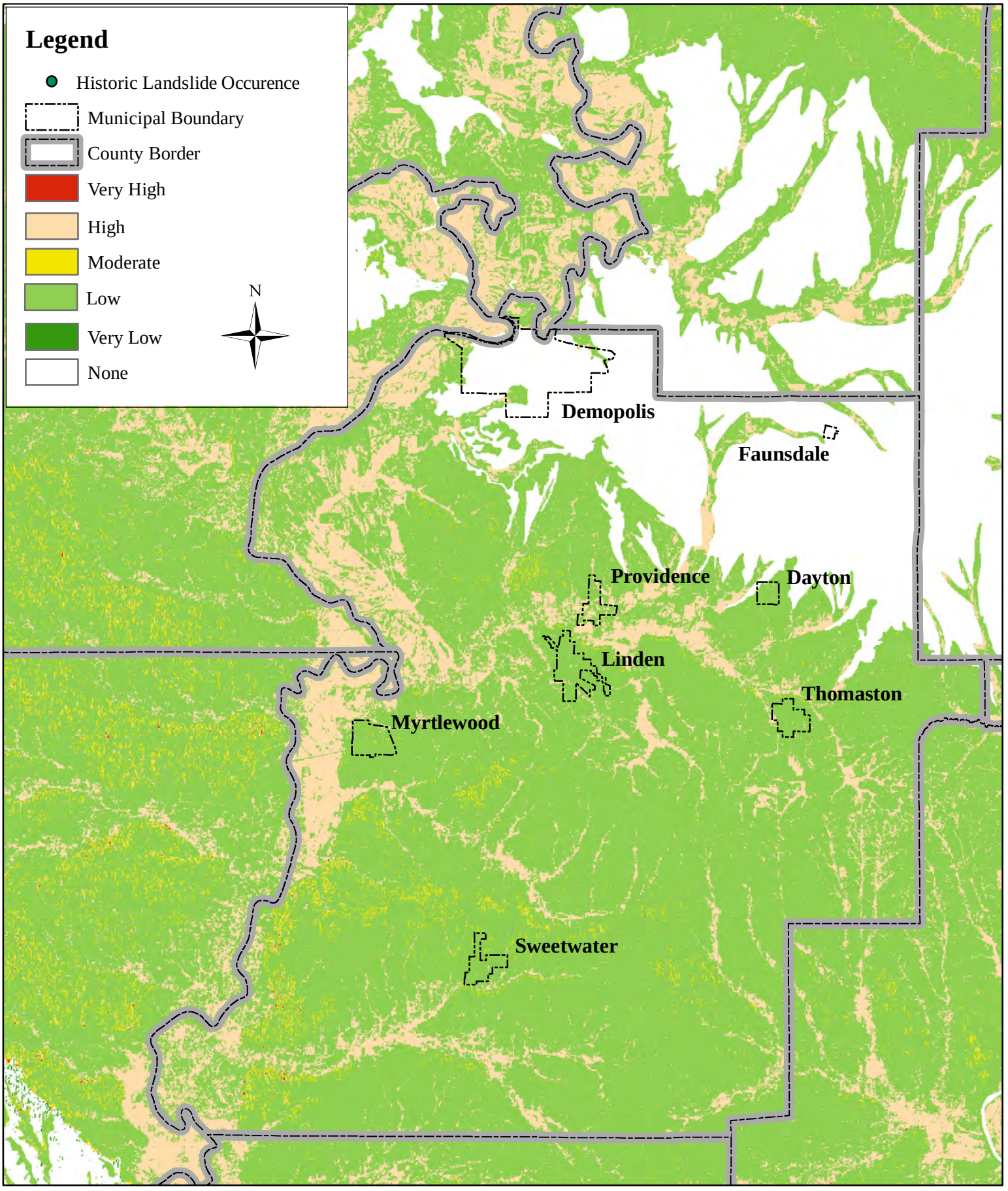
# Hale County Landslide Susceptibility and Historical Occurrence



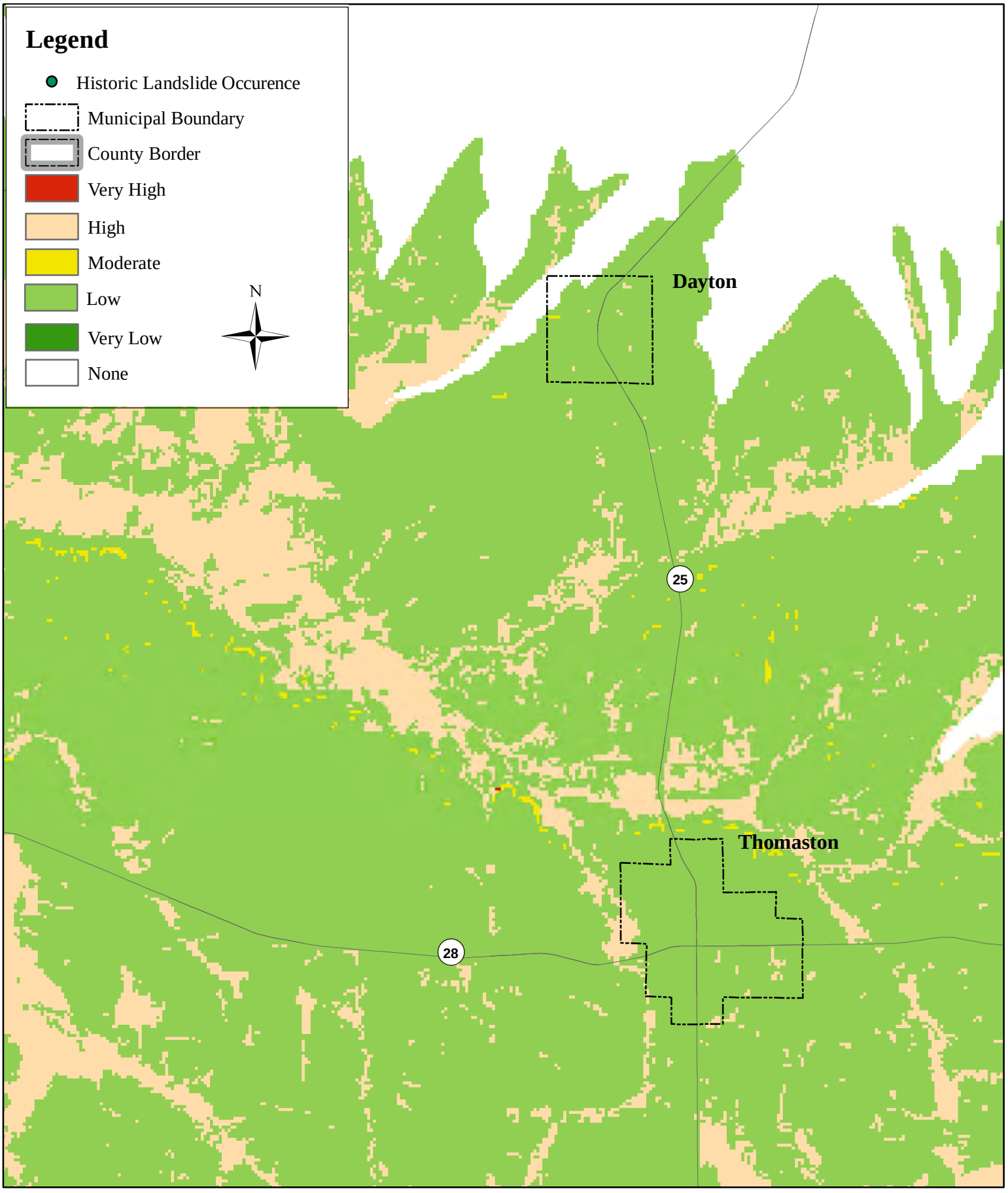
# Hale County Landslide Susceptibility and Historical Occurrence



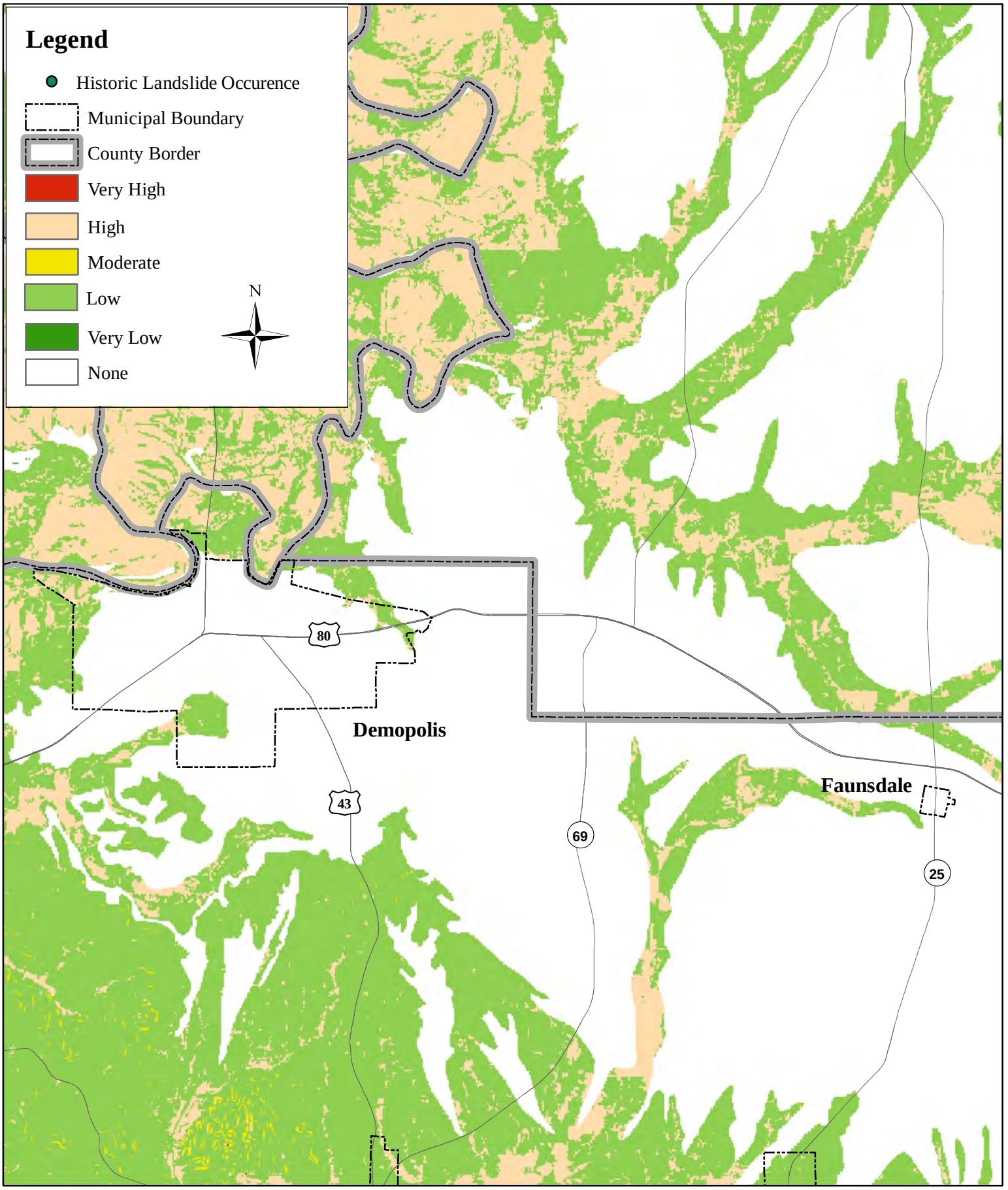
# Marengo County Landslide Susceptibility and Historical Occurrence



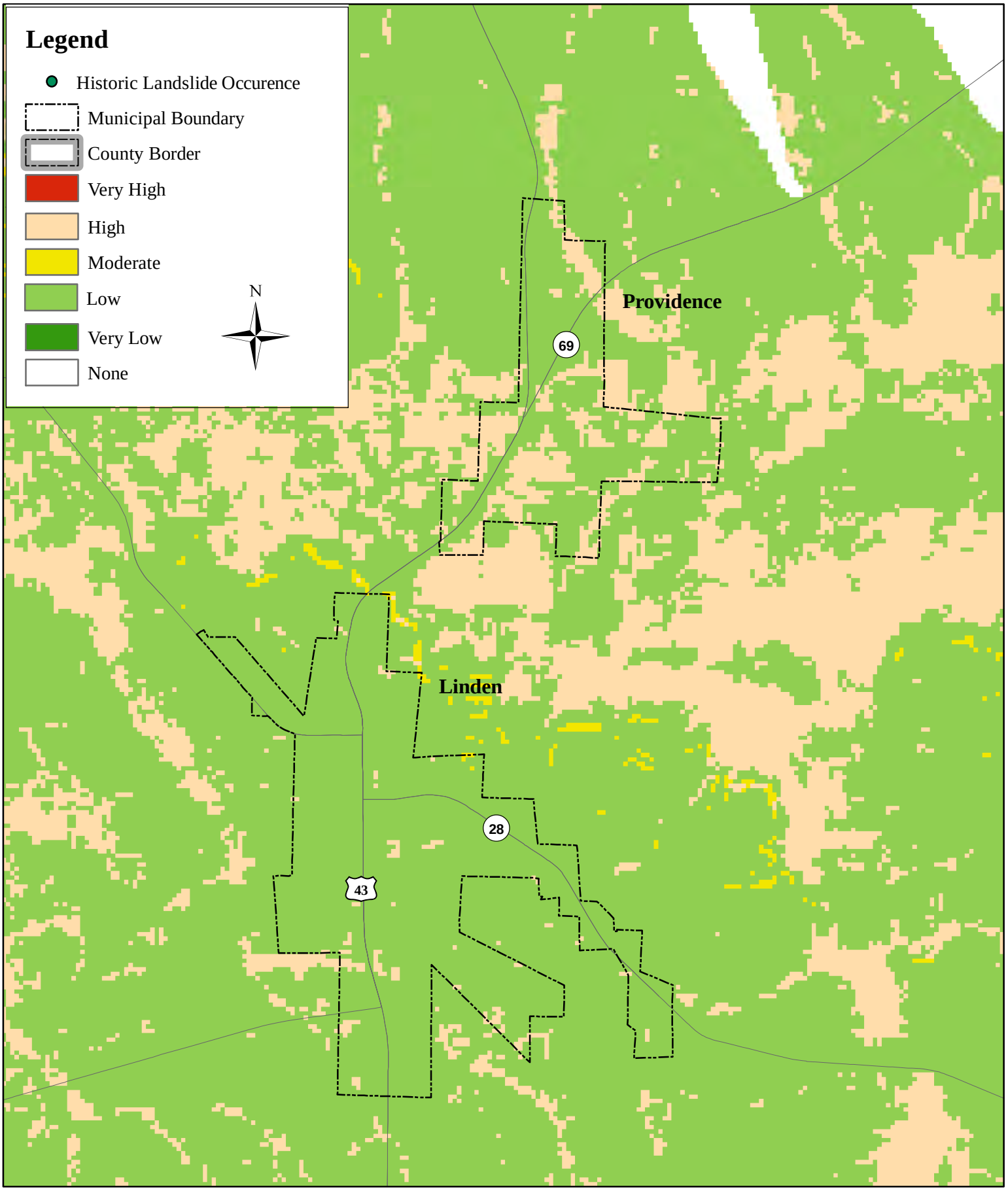
# Marengo County Landslide Susceptibility and Historical Occurrence



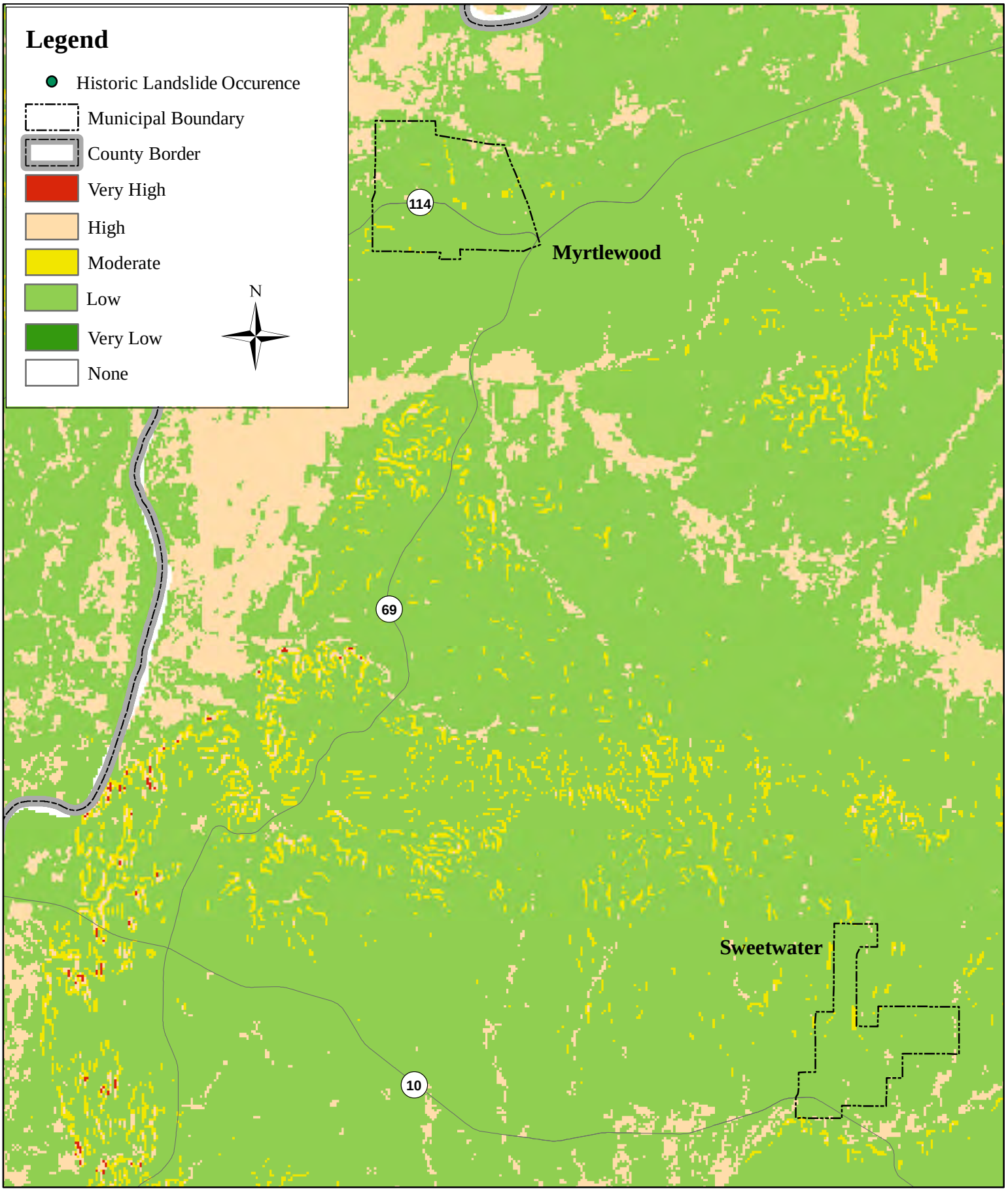
# Marengo County Landslide Susceptibility and Historical Occurrence



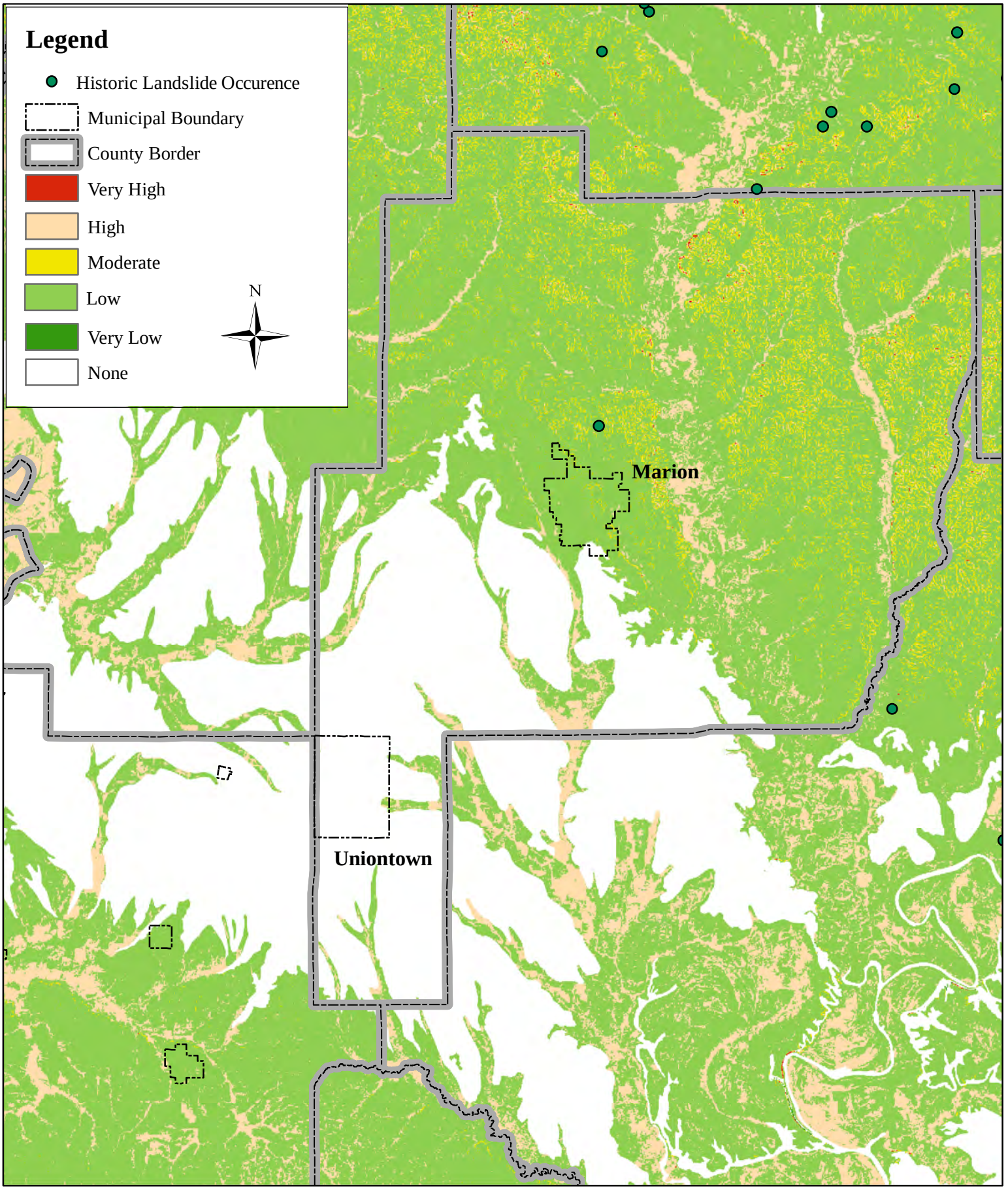
# Marengo County Landslide Susceptibility and Historical Occurrence



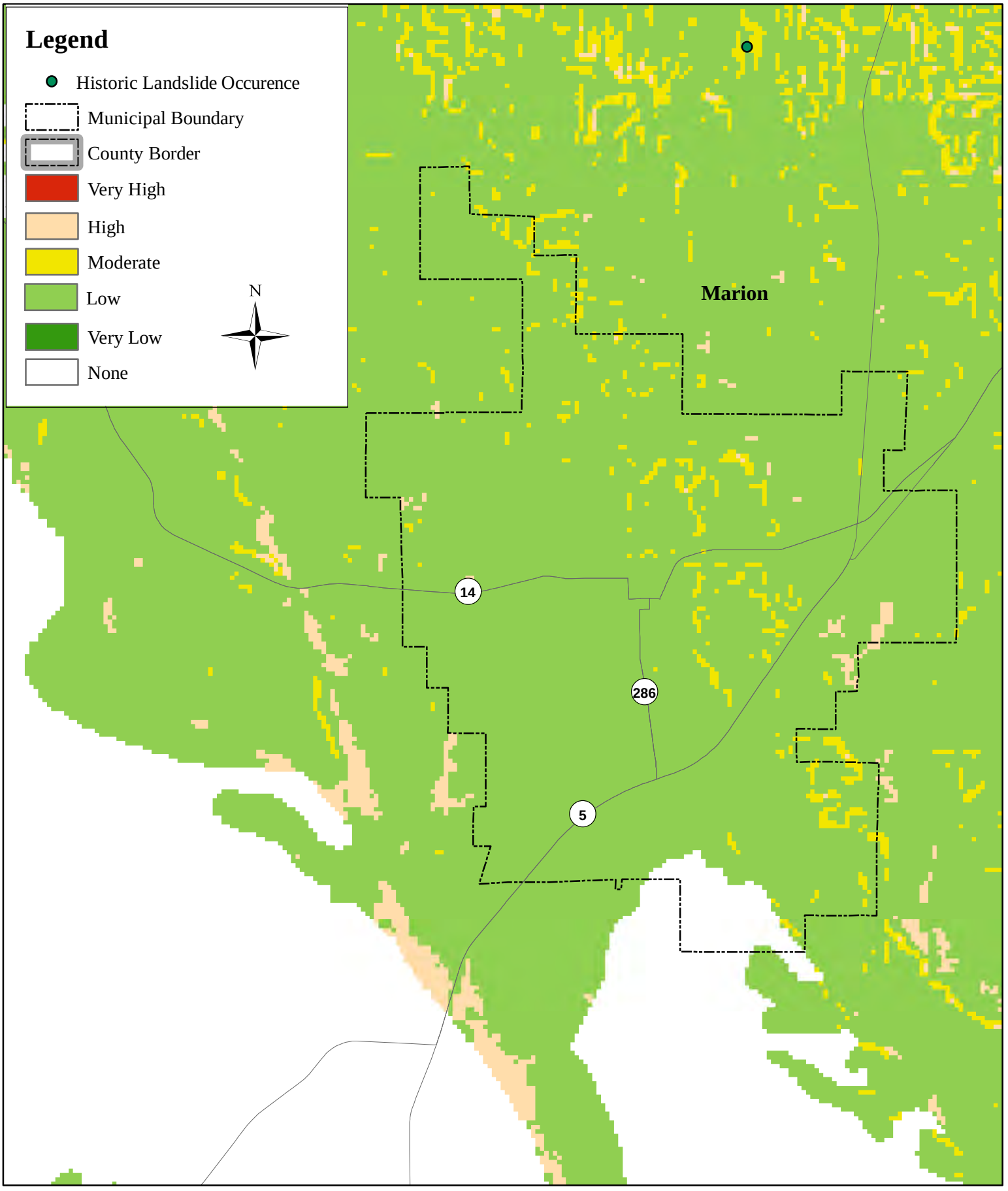
# Marengo County Landslide Susceptibility and Historical Occurrence



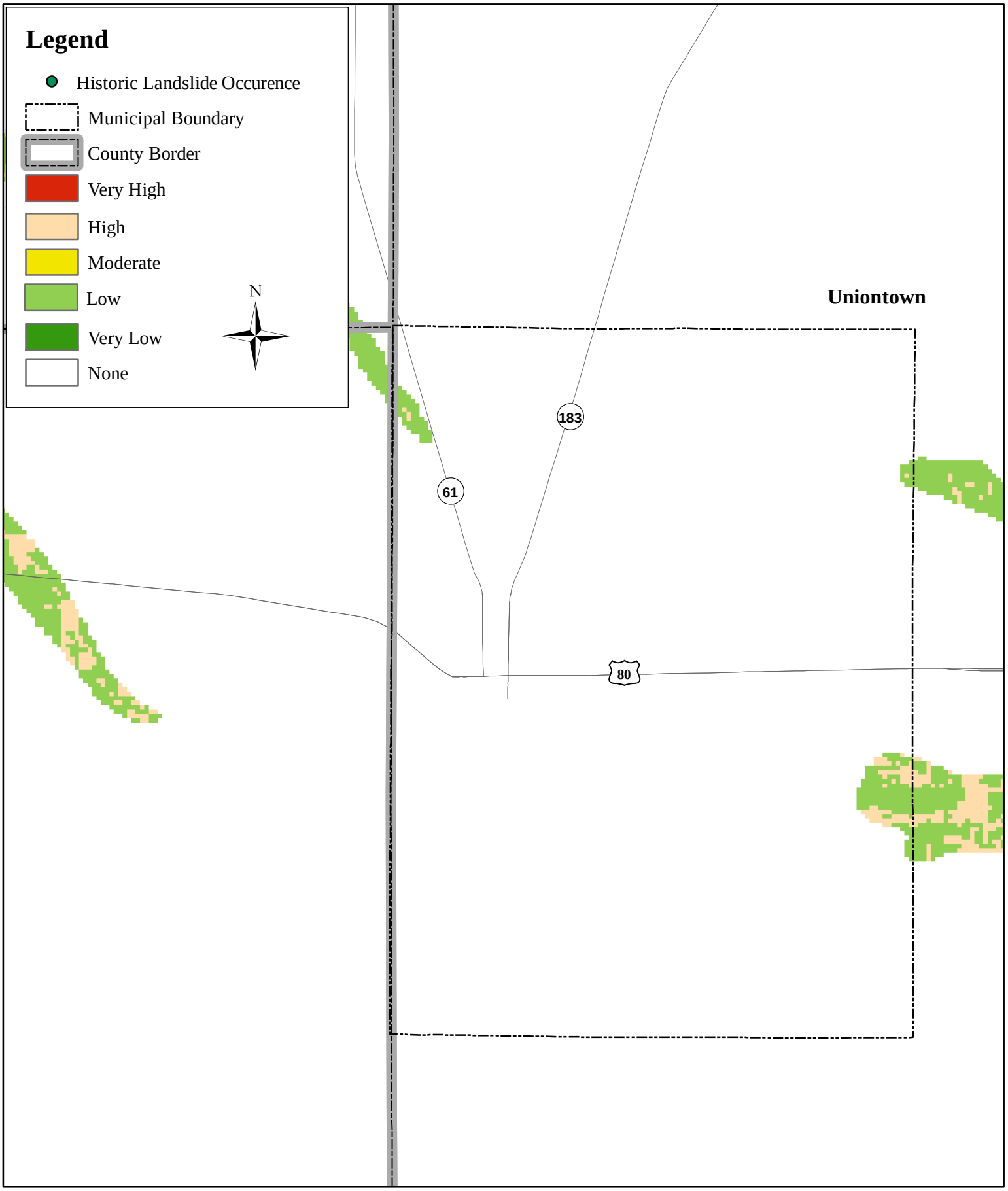
# Perry County Landslide Susceptibility and Historical Occurrence



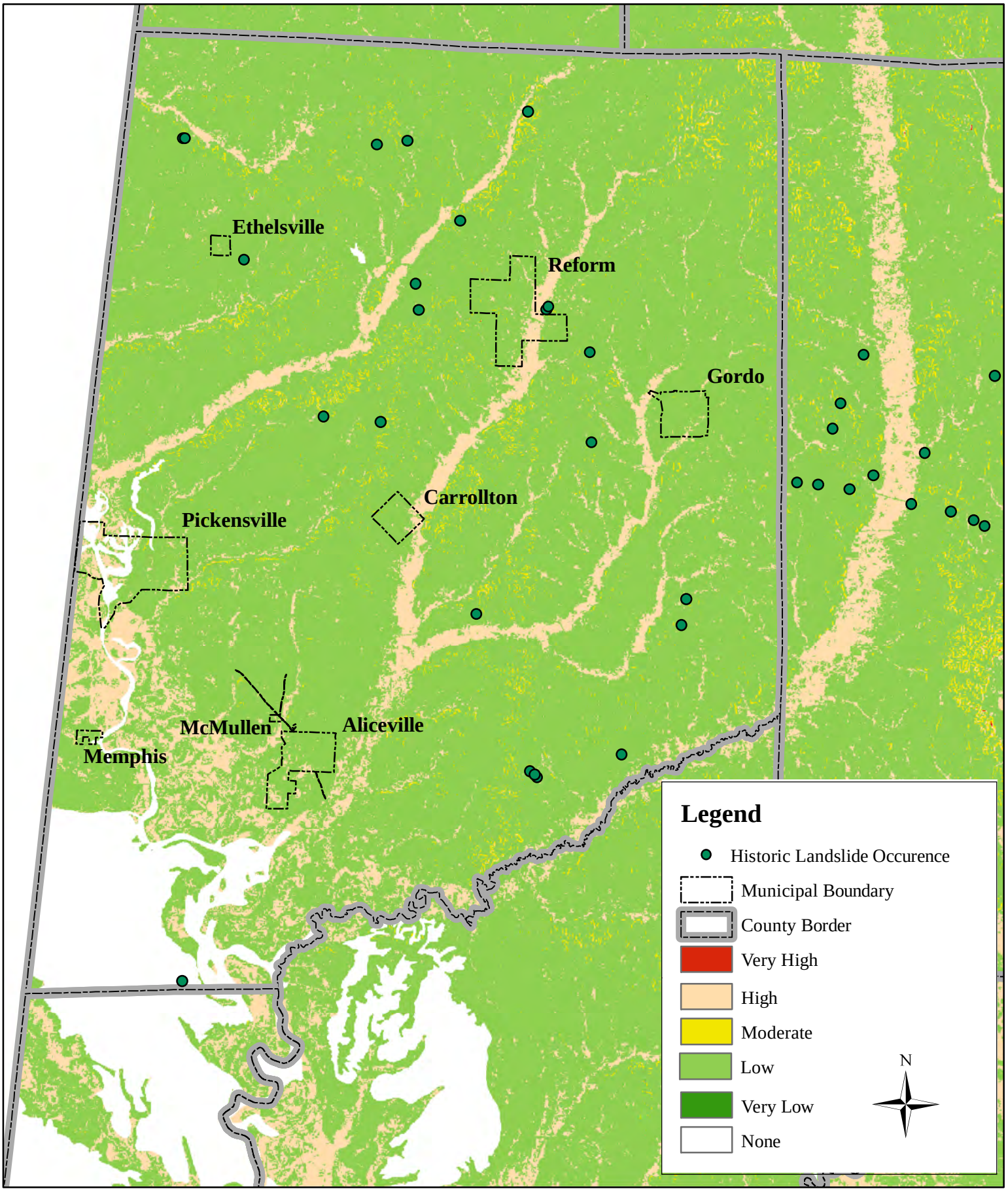
# Perry County Landslide Susceptibility and Historical Occurrence



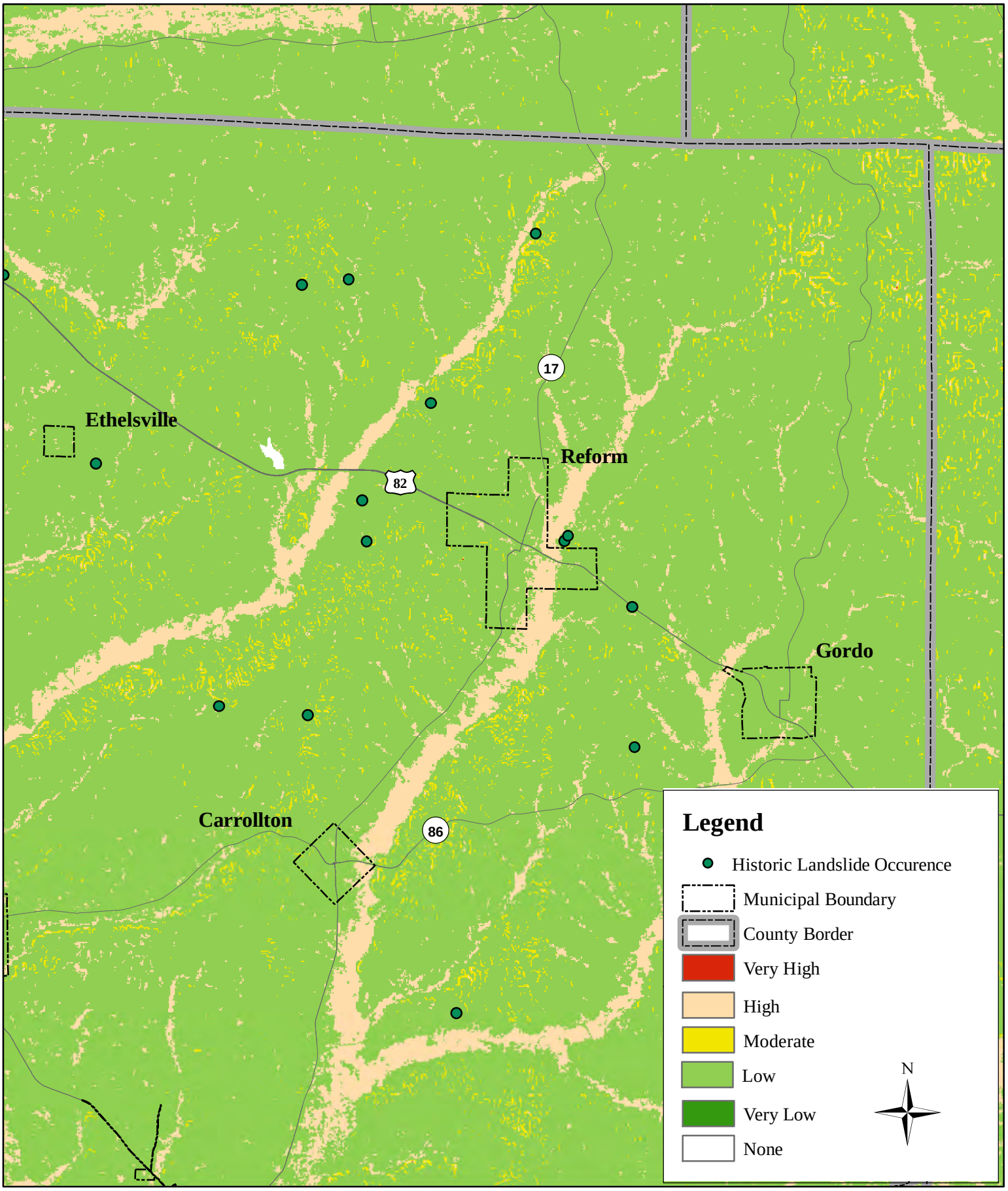
# Perry County Landslide Susceptibility and Historical Occurrence



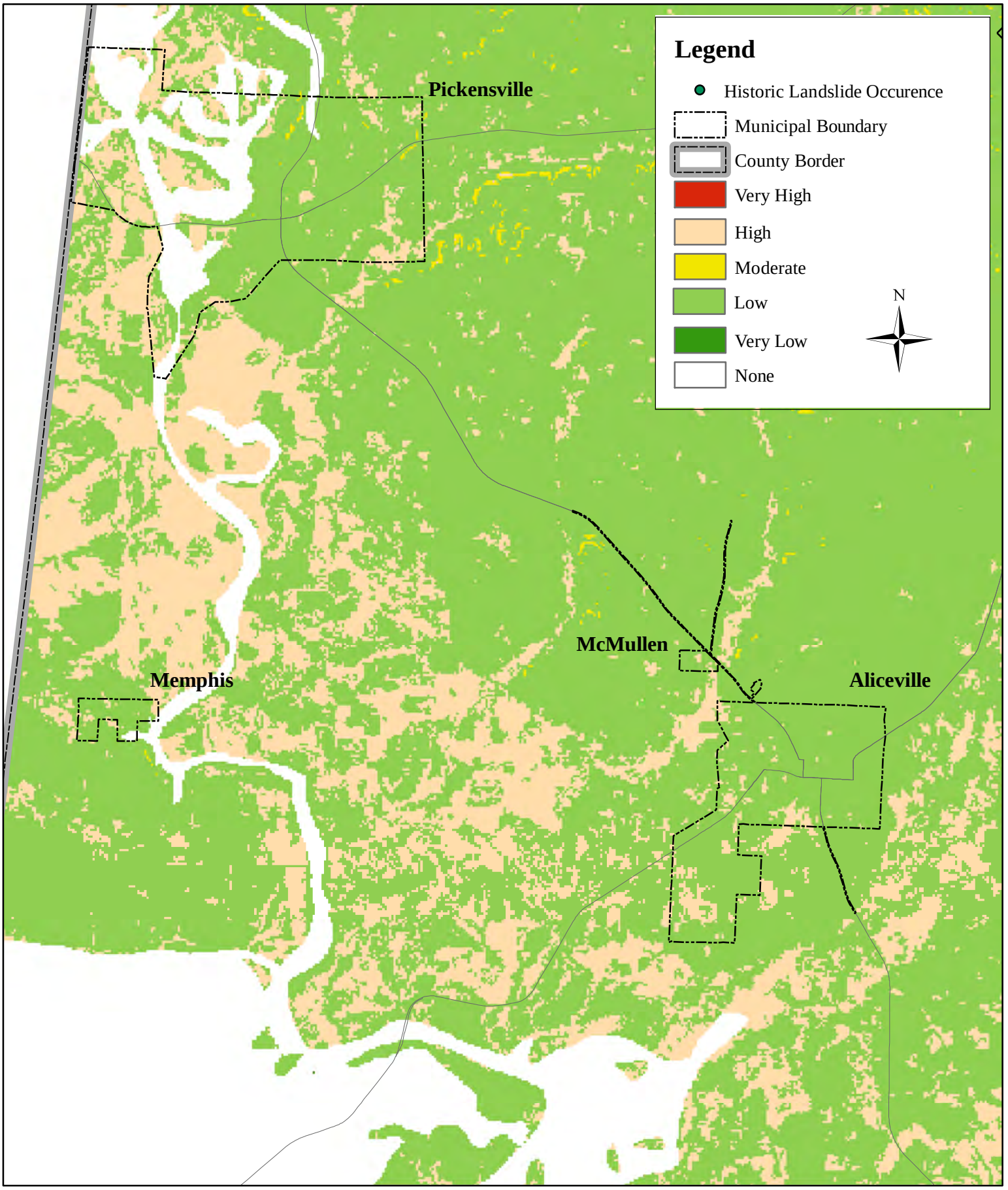
# Pickens County Landslide Susceptibility and Historical Occurrence



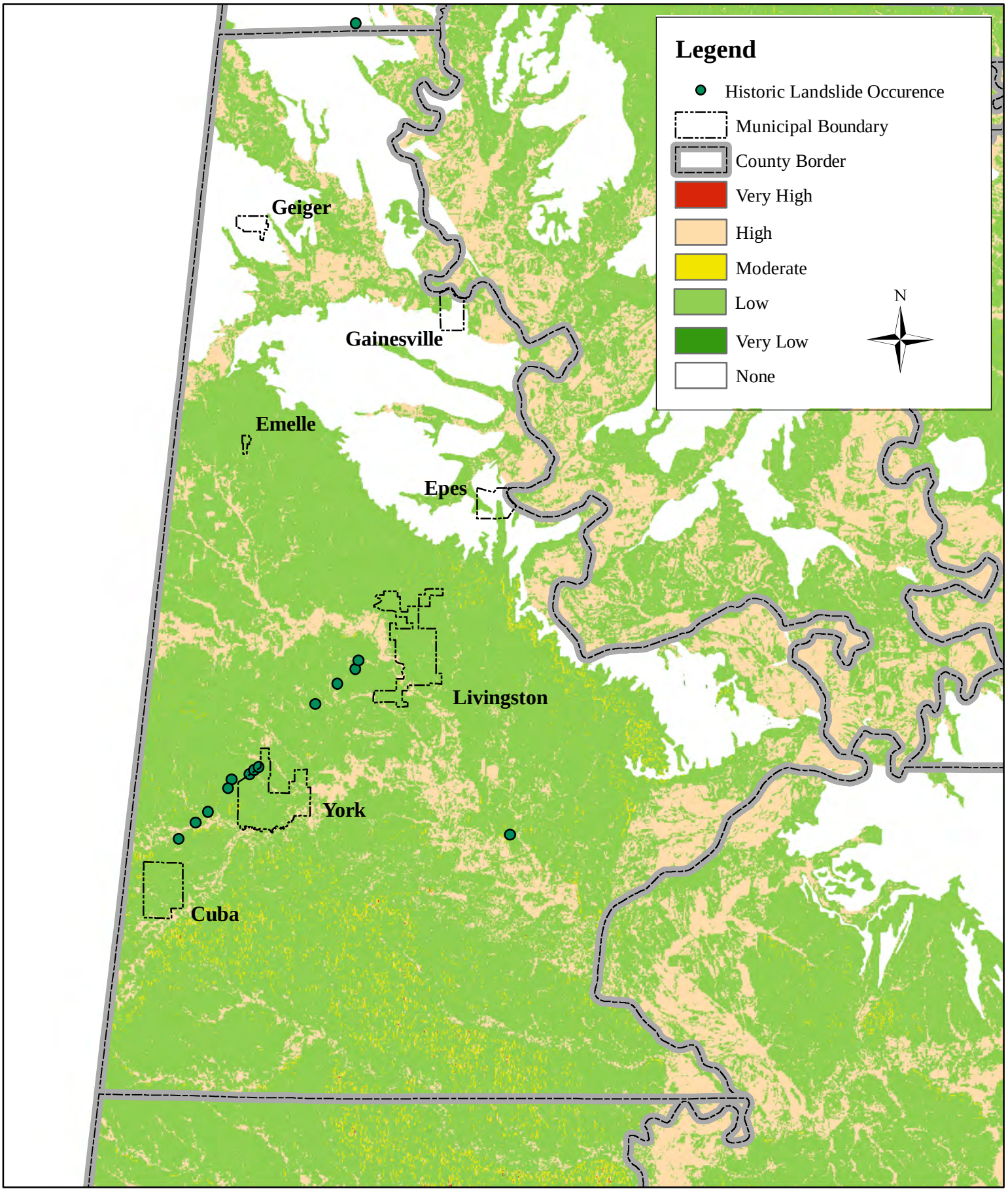
# Pickens County Landslide Susceptibility and Historical Occurrence



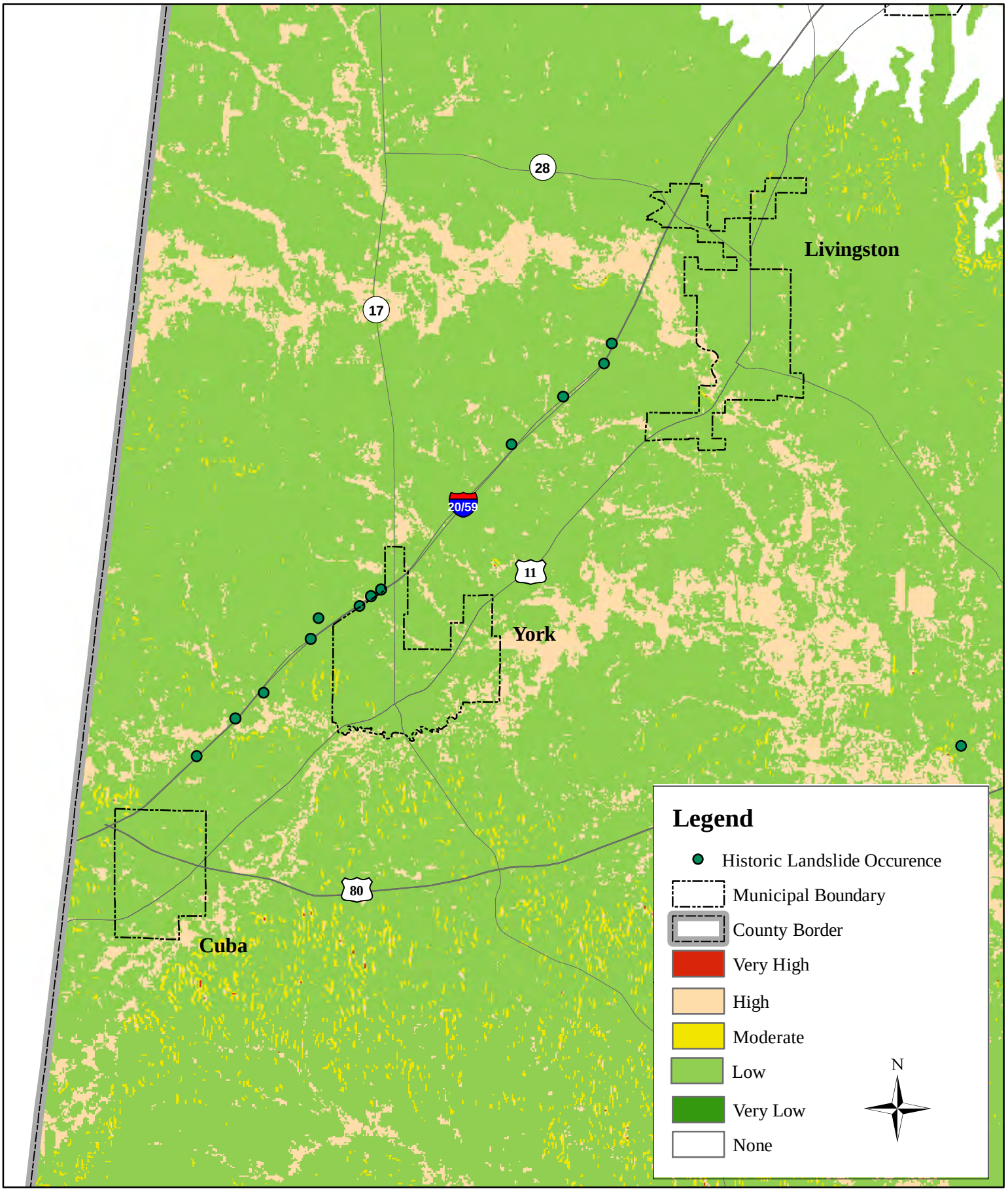
# Pickens County Landslide Susceptibility and Historical Occurrence



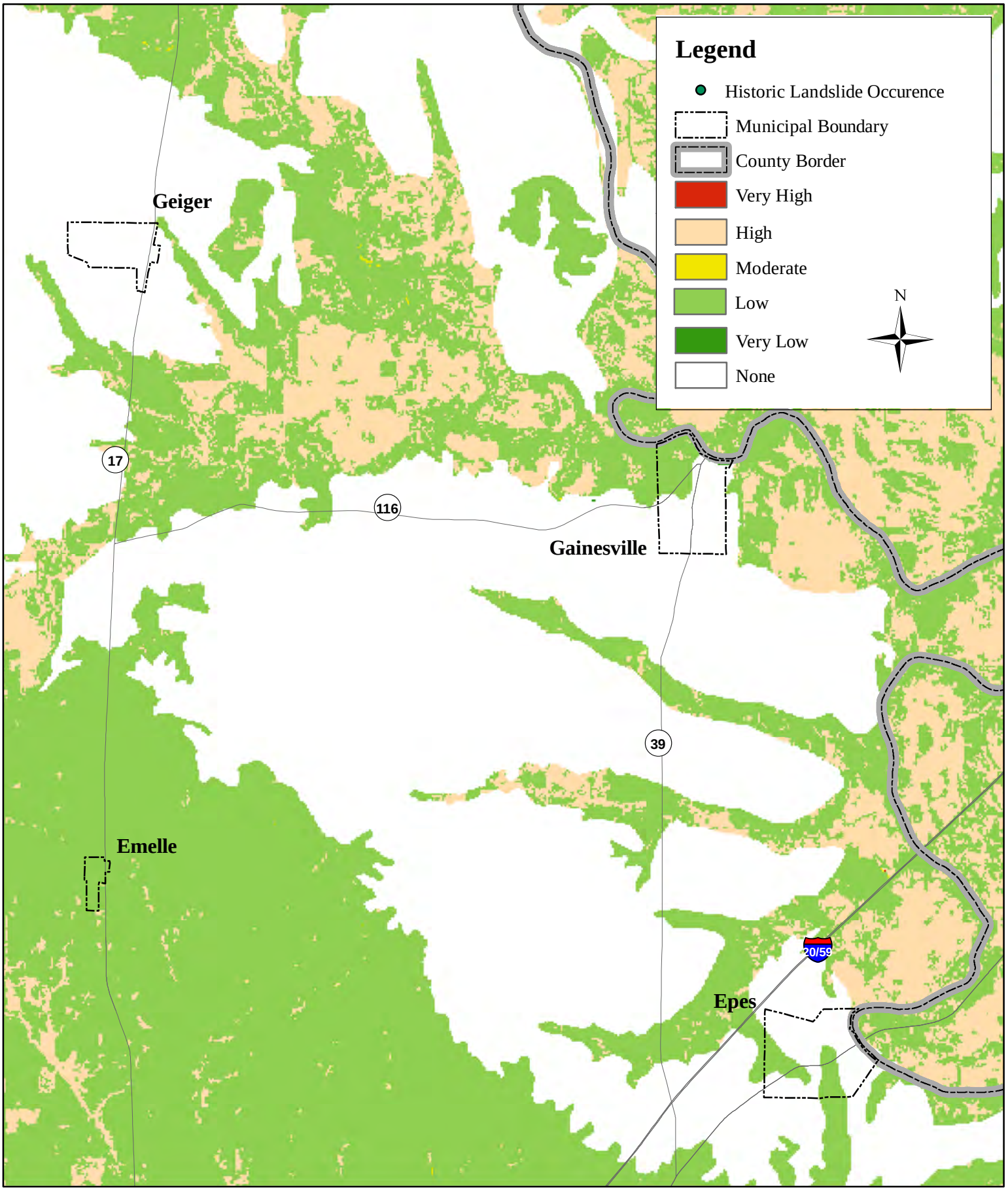
# Sumter County Landslide Susceptibility and Historical Occurrence



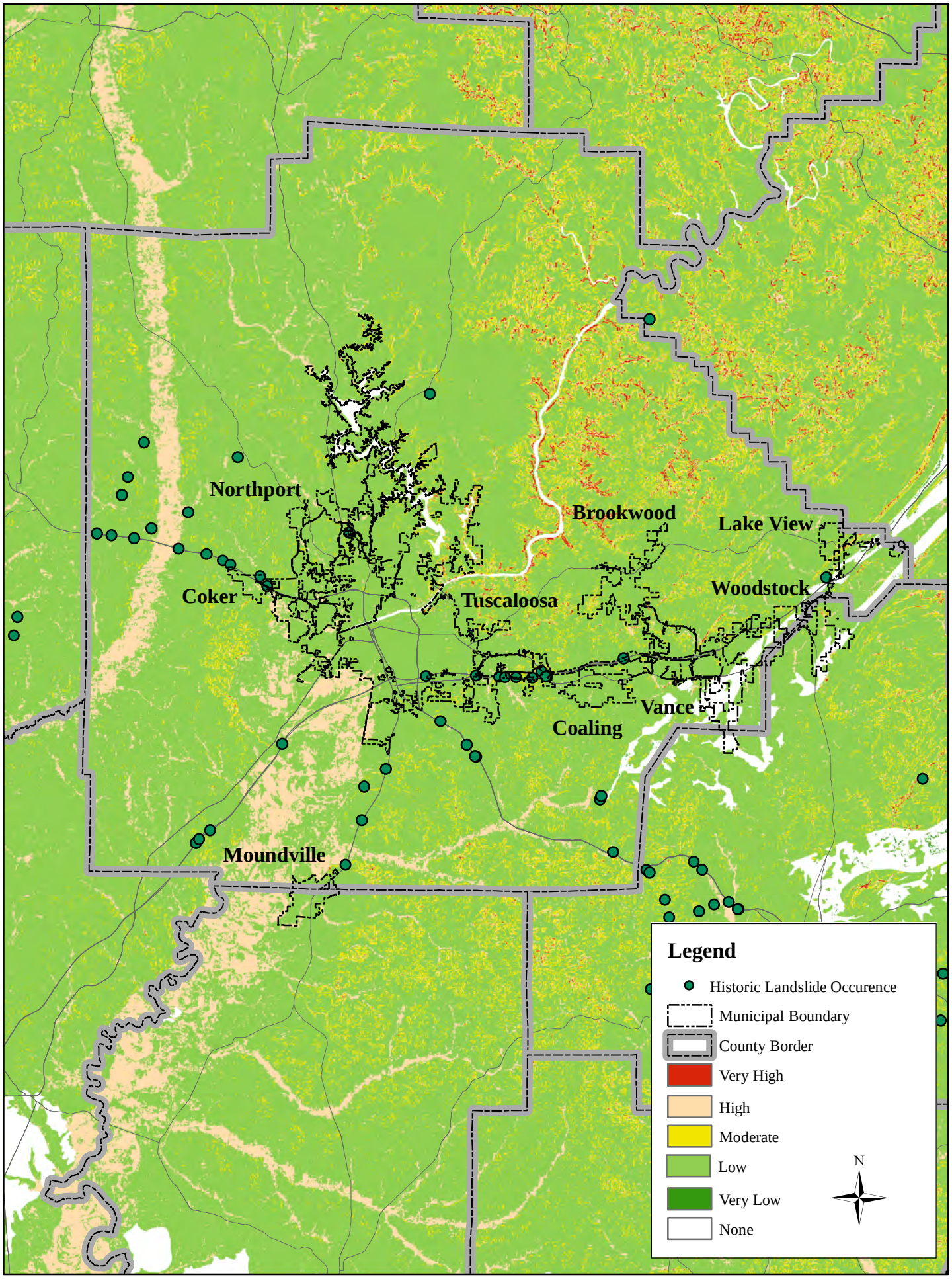
# Sumter County Landslide Susceptibility and Historical Occurrence



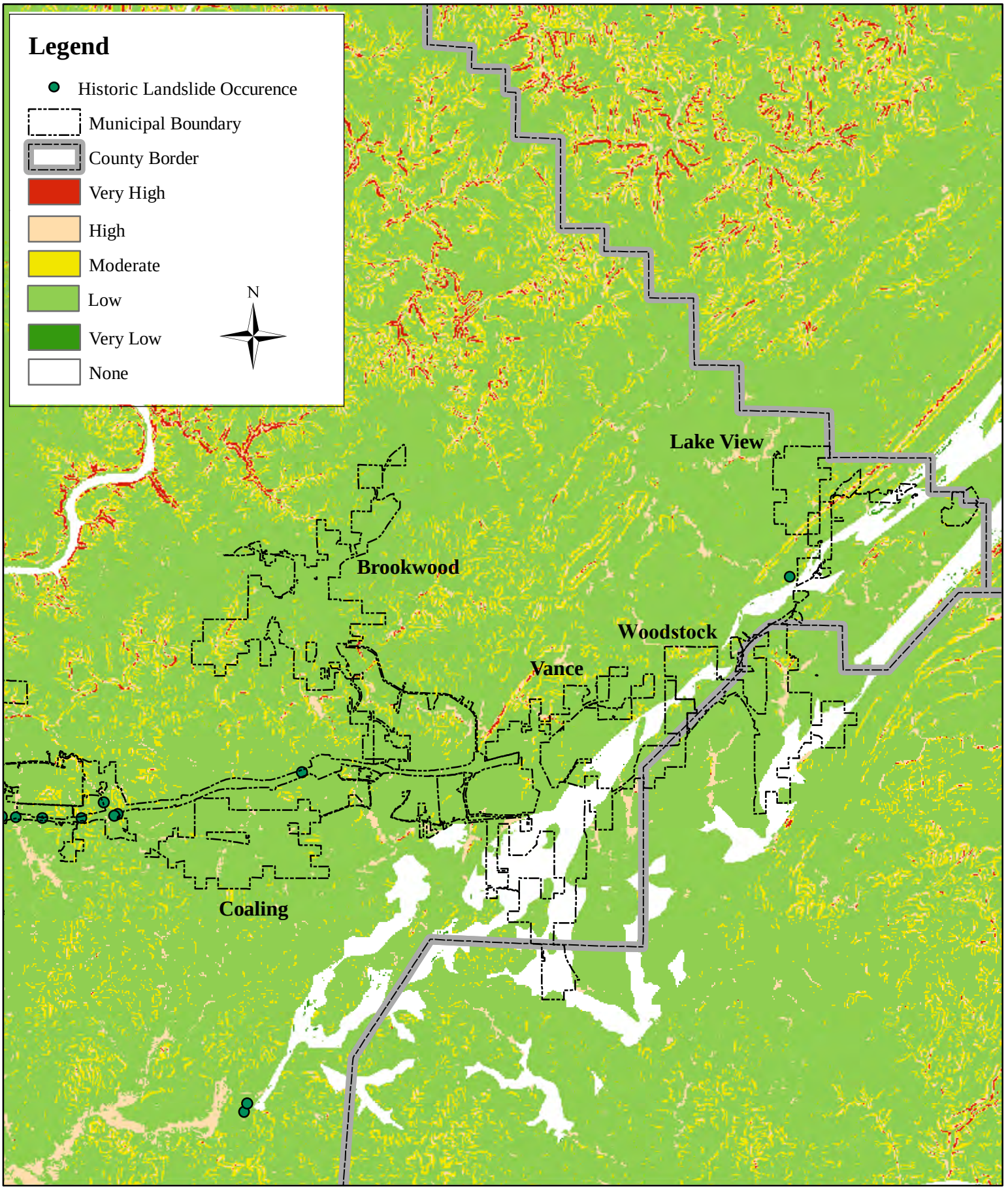
# Sumter County Landslide Susceptibility and Historical Occurrence



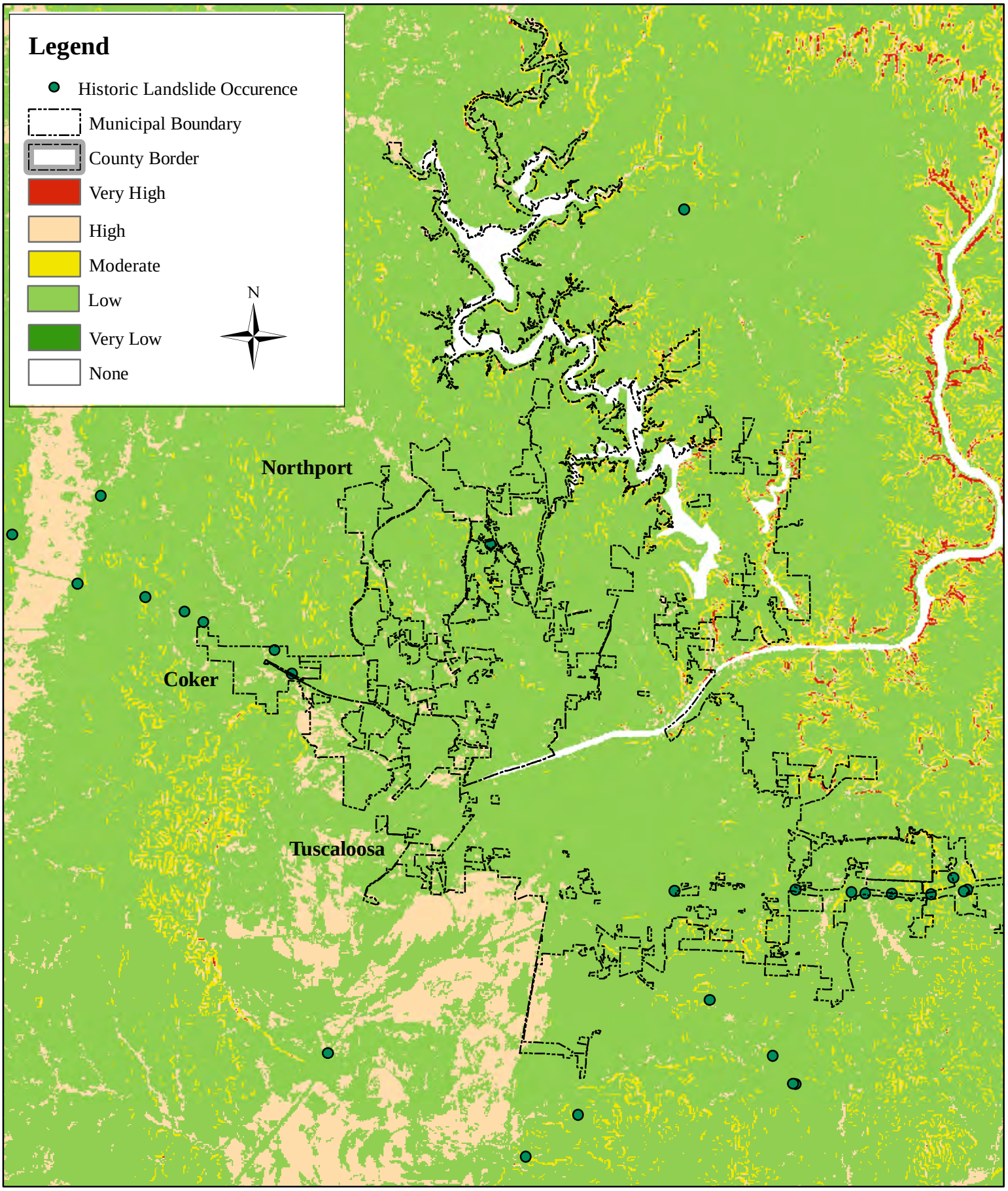
# Bibb County Landslide Susceptibility and Historical Occurrence



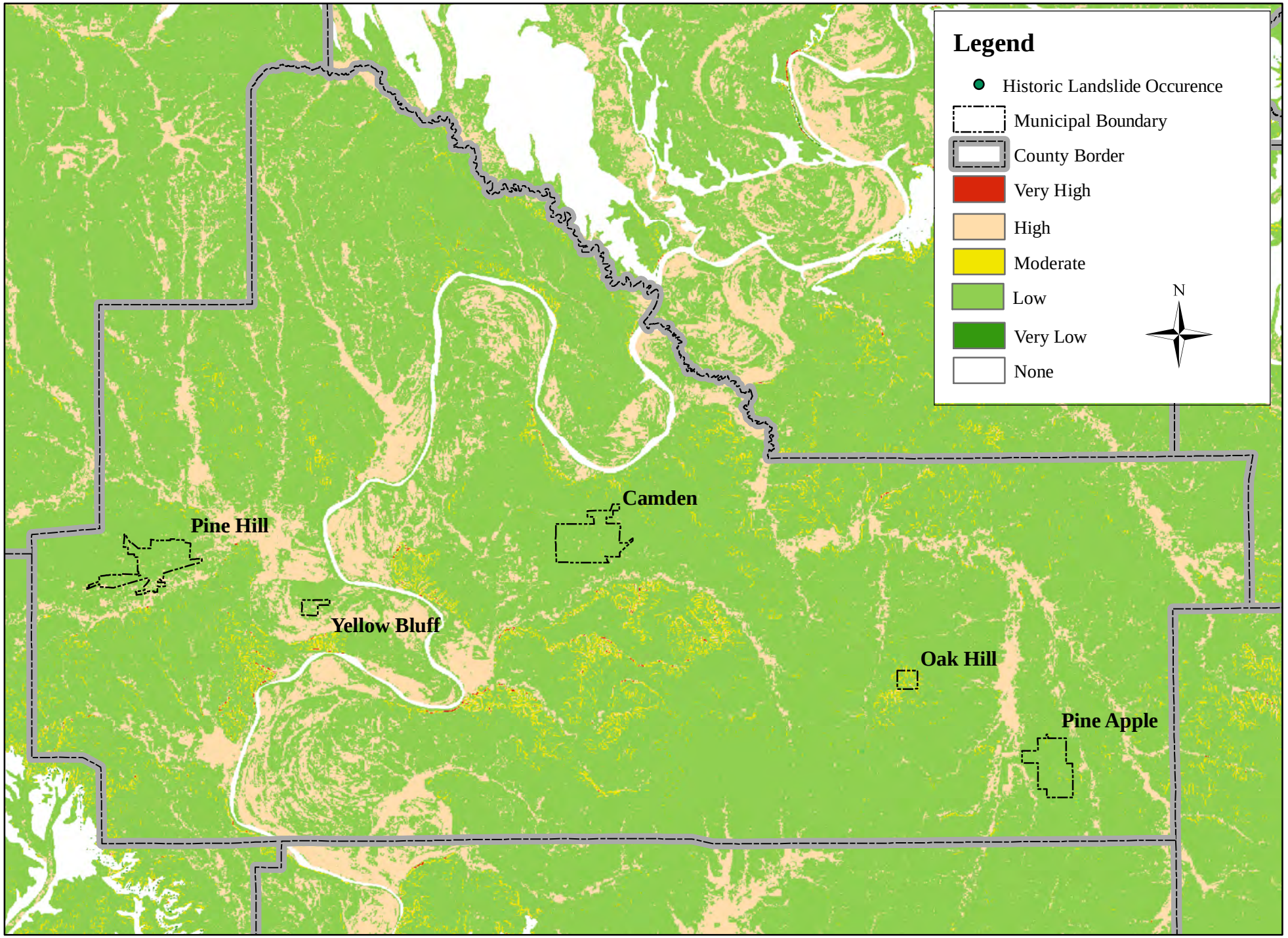
# Tuscaloosa County Landslide Susceptibility and Historical Occurrence



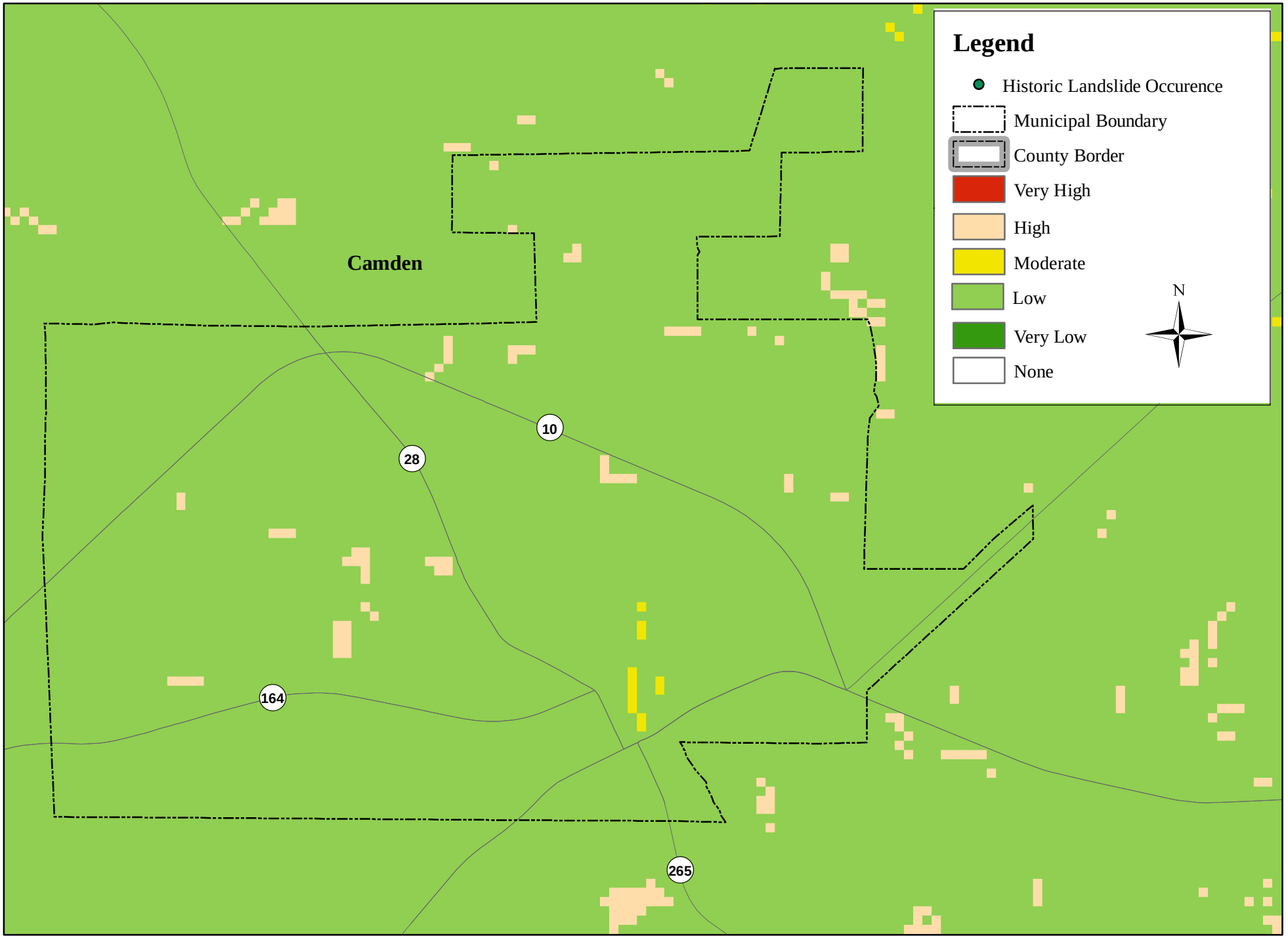
# Tuscaloosa County Landslide Susceptibility and Historical Occurrence



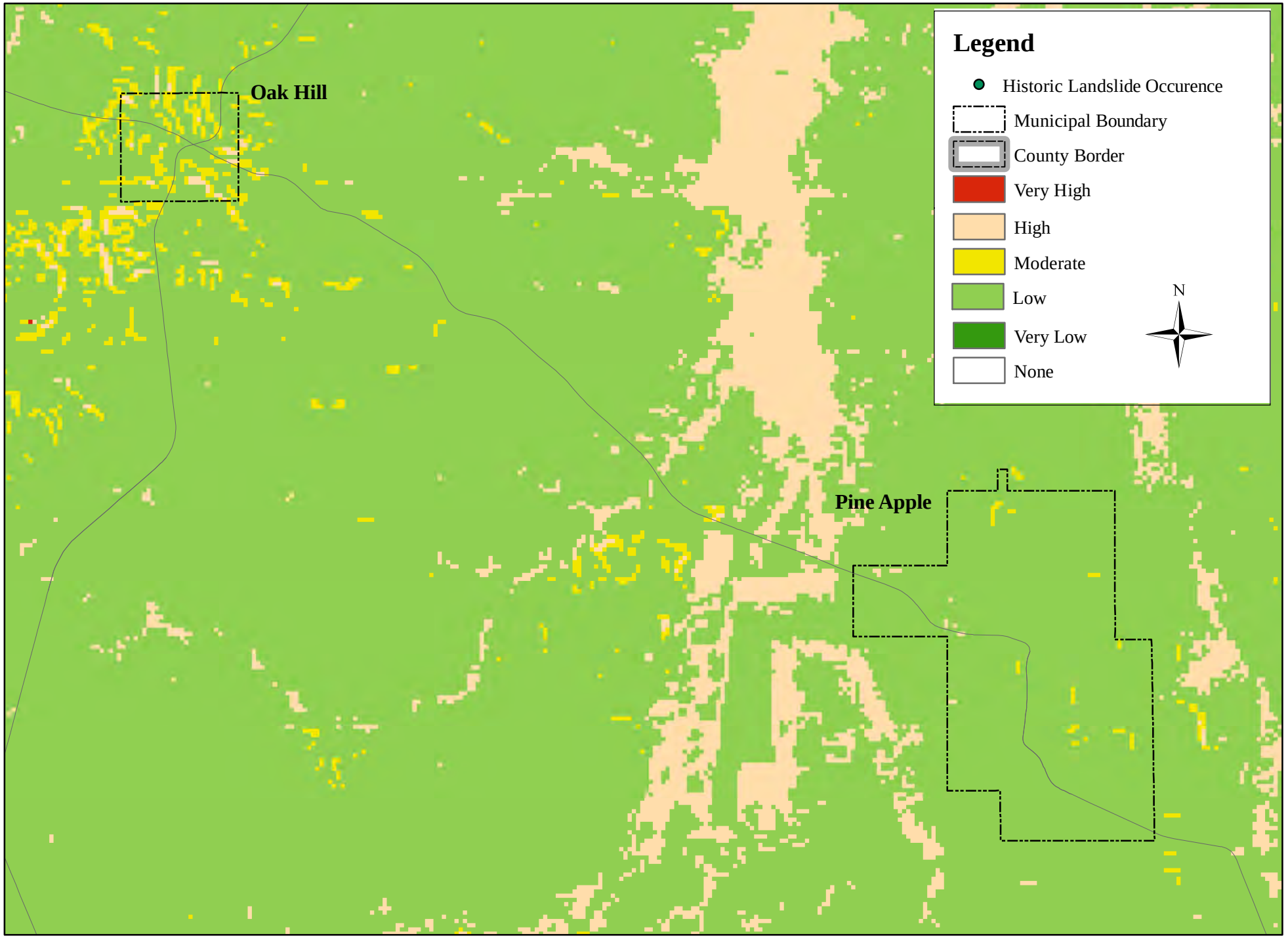
# Wilcox County Landslide Susceptibility and Historical Occurrence



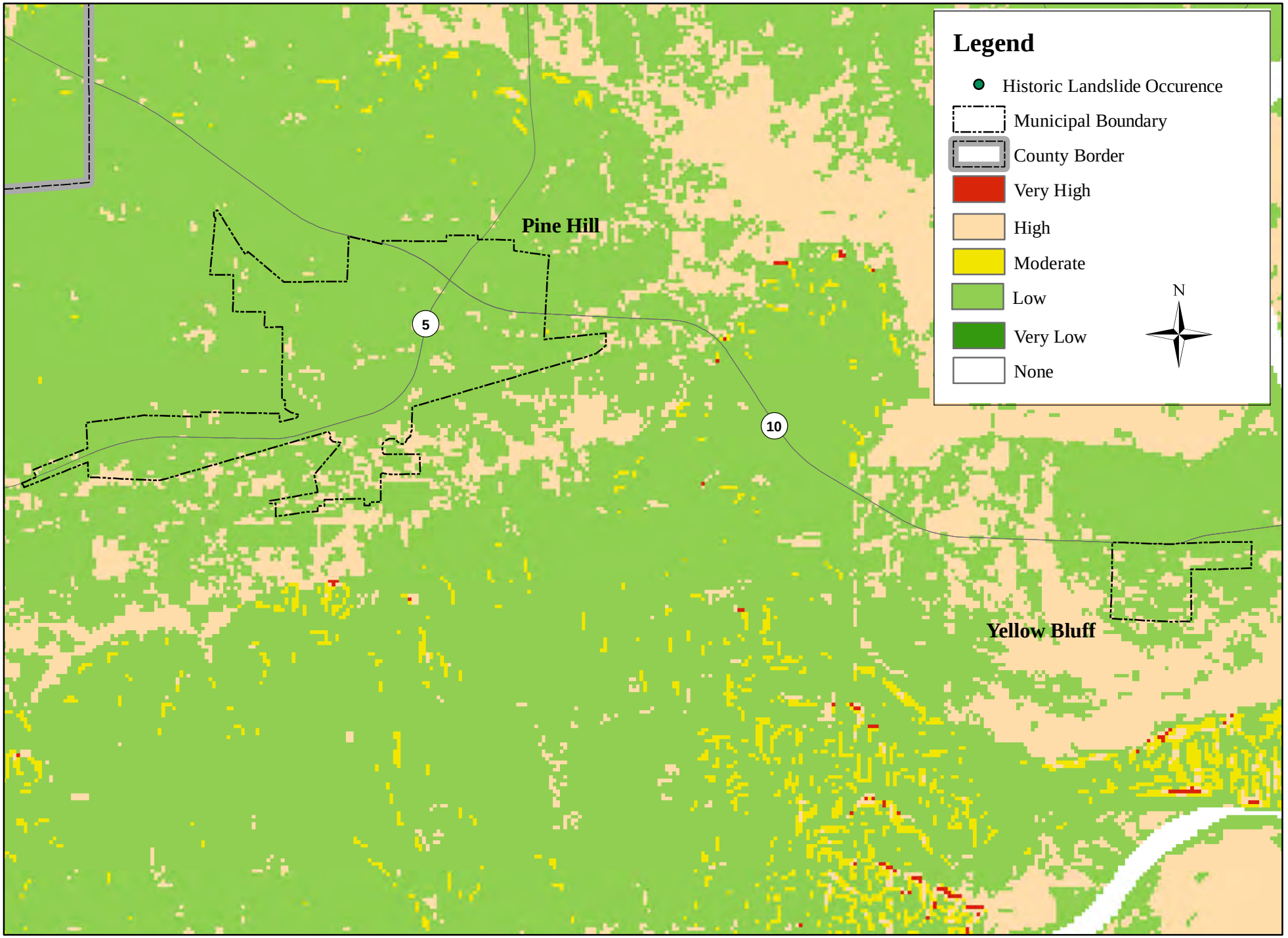
# Wilcox County Landslide Susceptibility and Historical Occurrence



# Wilcox County Landslide Susceptibility and Historical Occurrence



# Wilcox County Landslide Susceptibility and Historical Occurrence

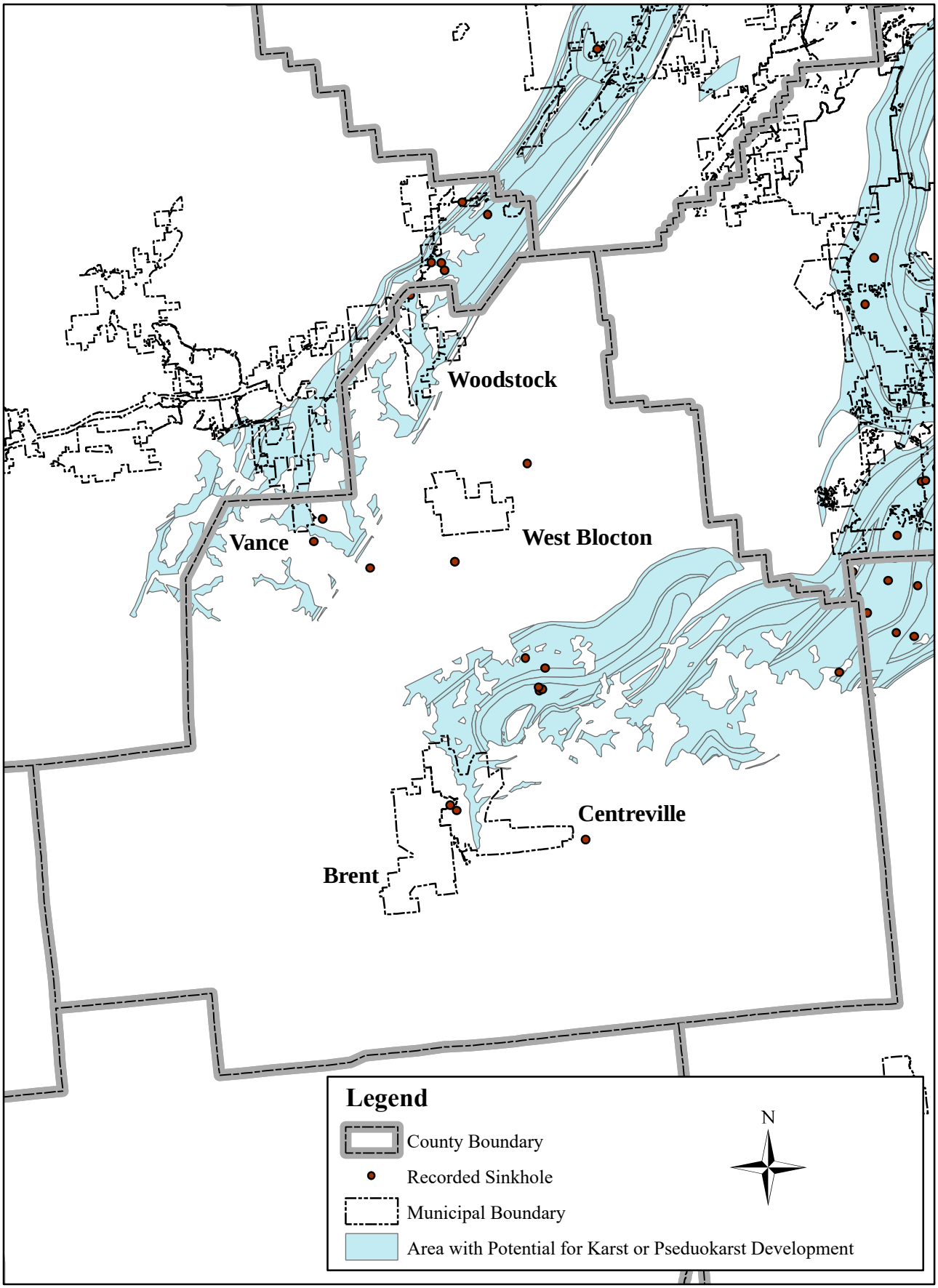


# Appendix E

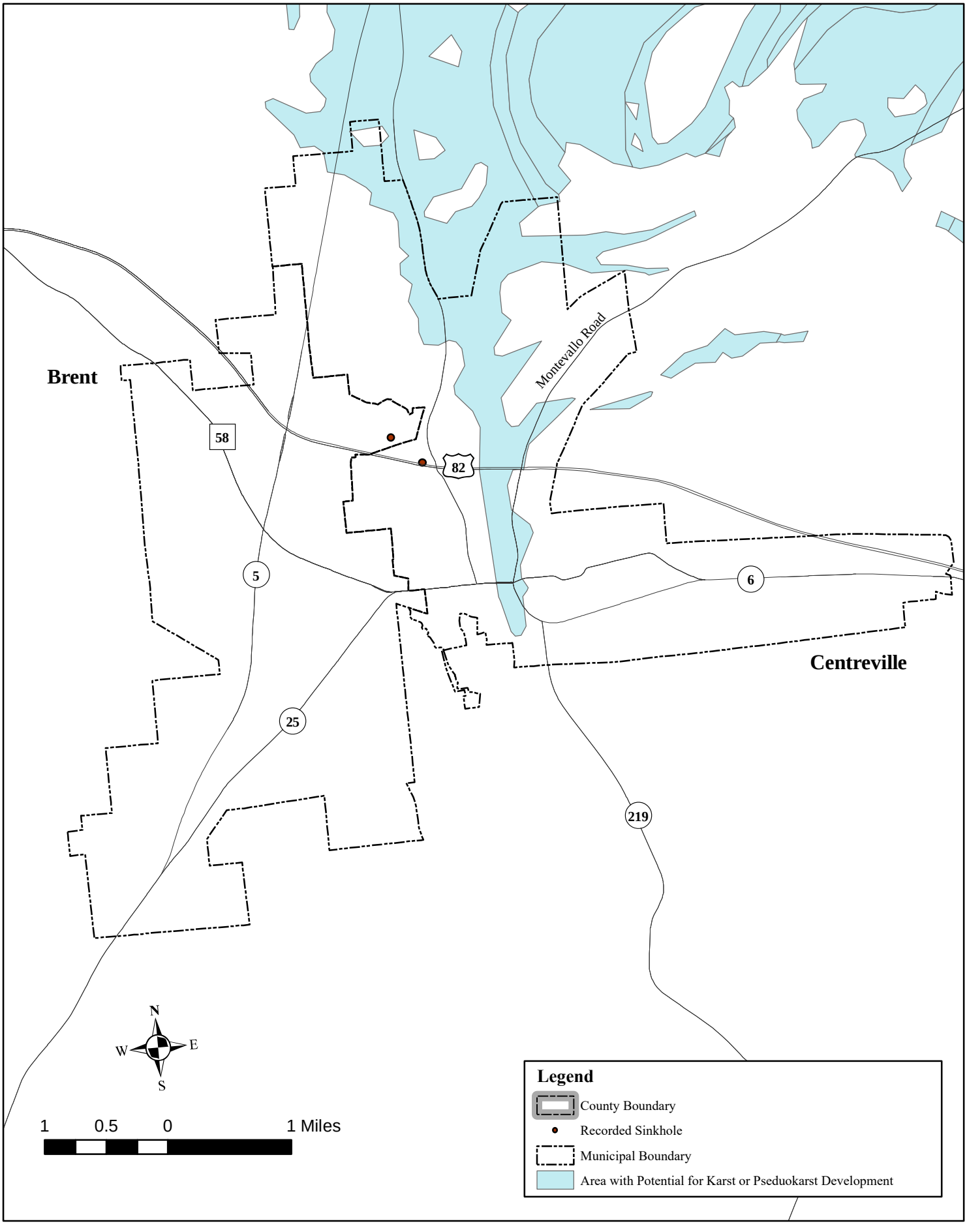
## Land Subsidence Maps by Jurisdiction

*Only jurisdictions with areas of potential development and/or past occurrences have jurisdiction maps*

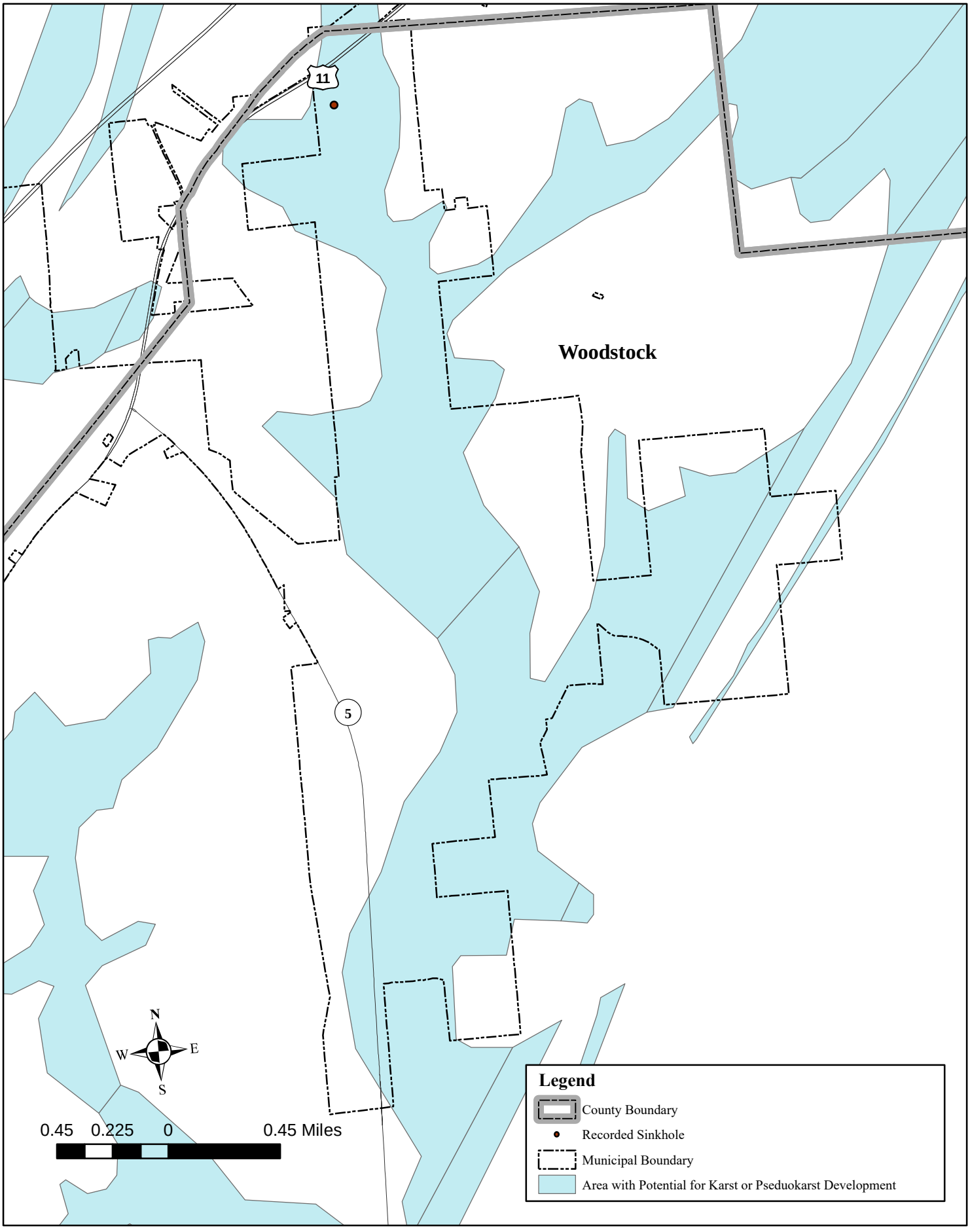
# Bibb County Areas Underlain By Soluble Rocks with Potential for Karst or Pseudokarst Development



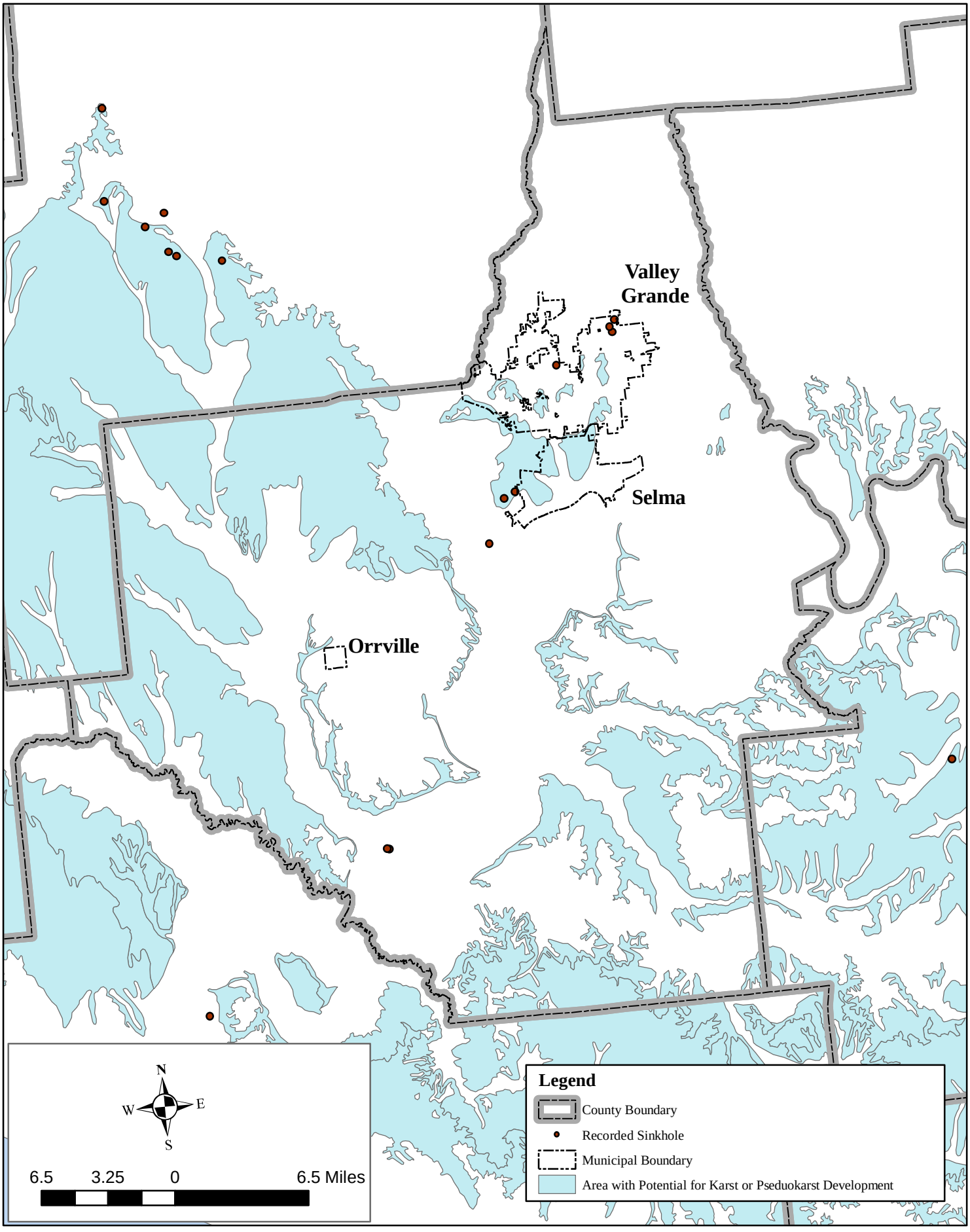
# Bibb County Areas Underlain By Soluble Rocks with Potential for Karst or Pseudokarst Development



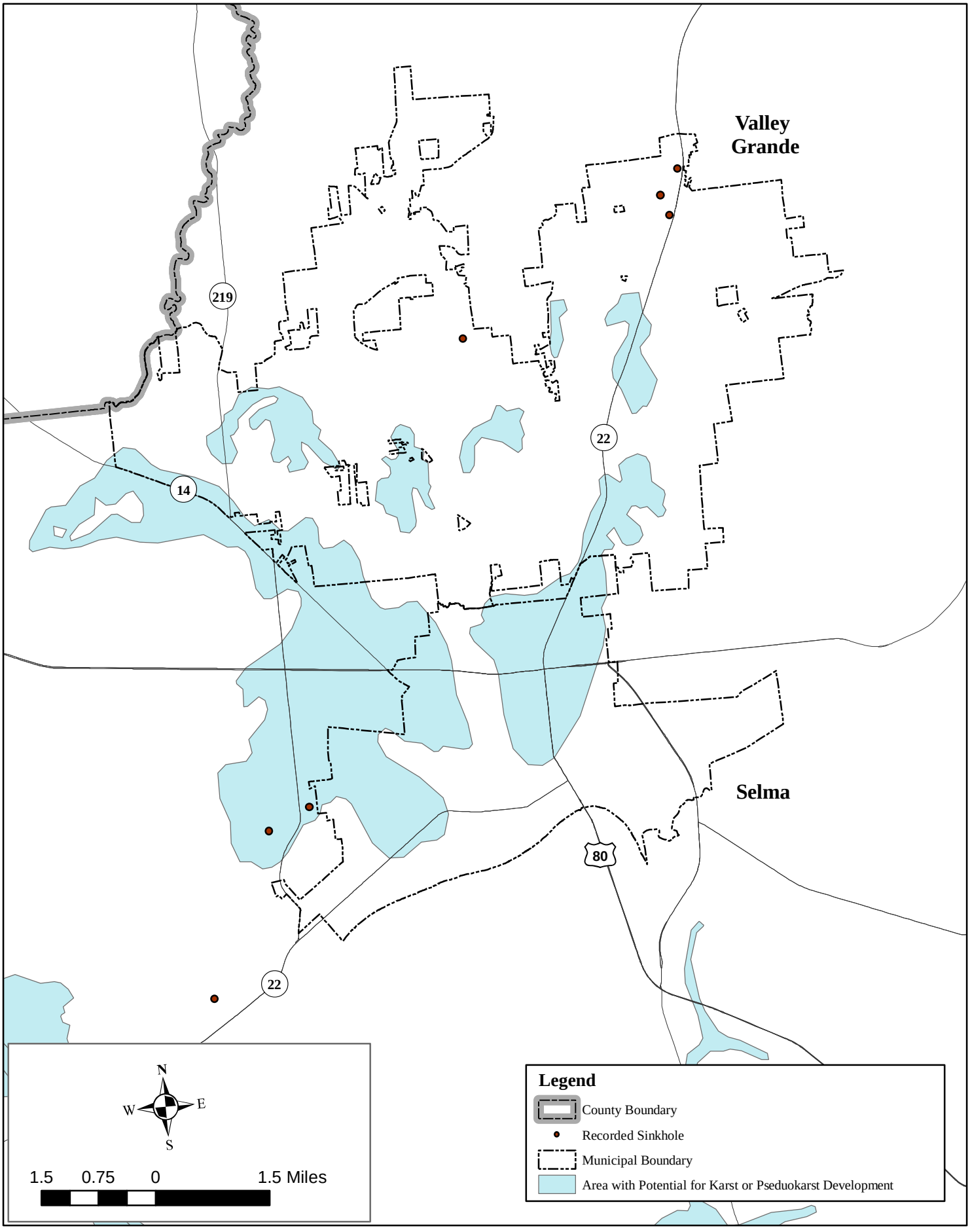
# Bibb County Areas Underlain By Soluble Rocks with Potential for Karst or Pseudokarst Development



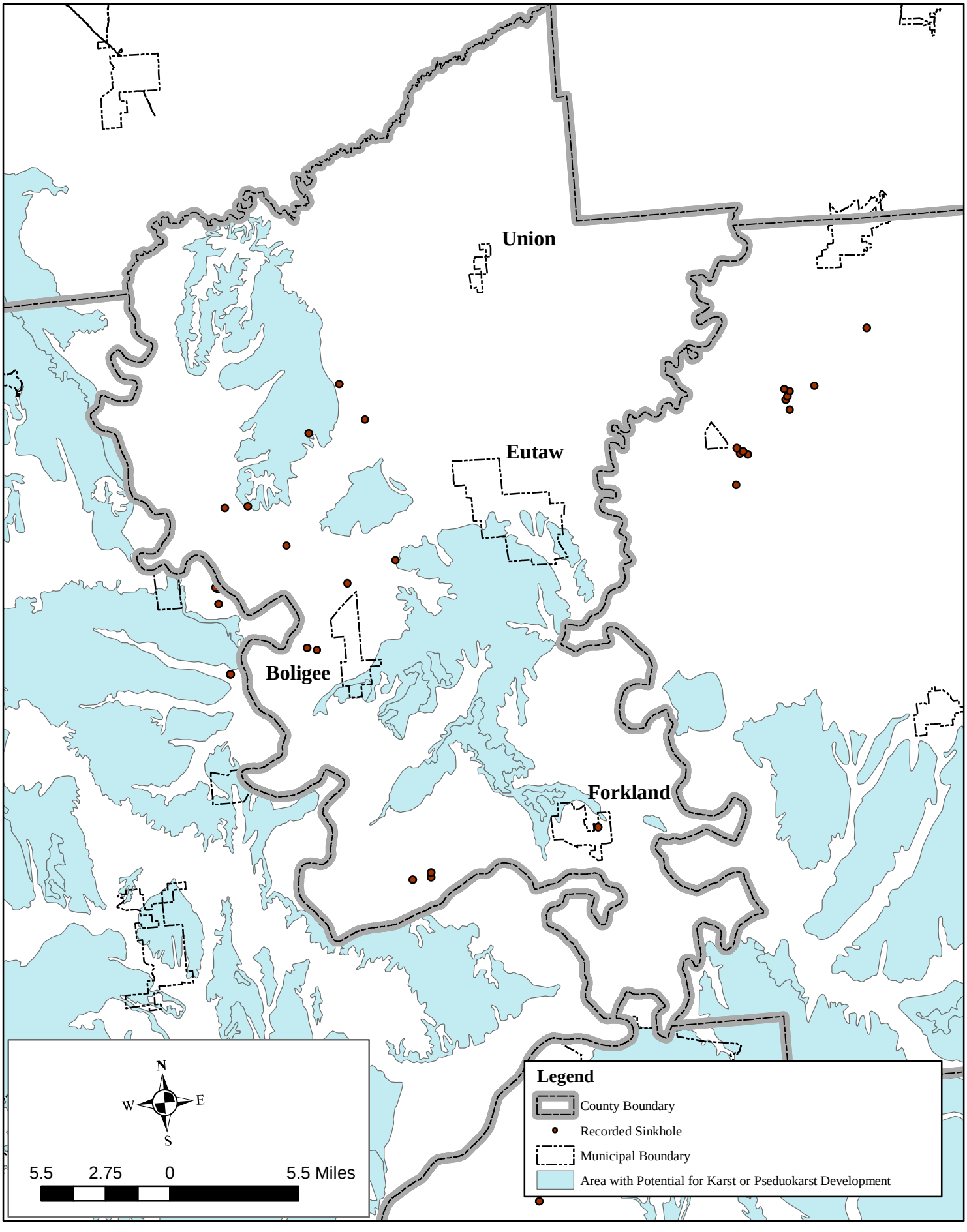
# Dallas County Areas Underlain By Soluble Rocks with Potential for Karst or Pseudokarst Development



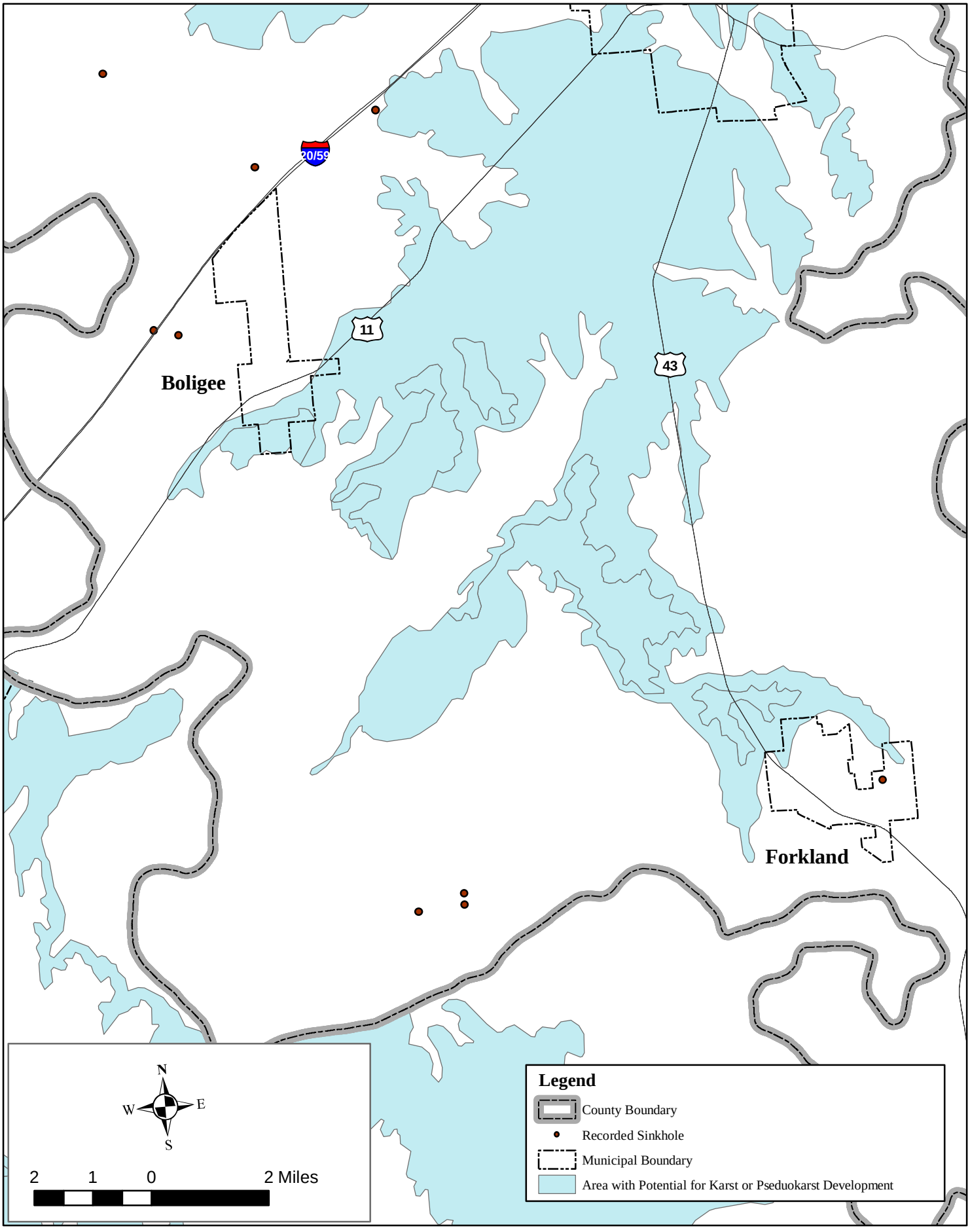
# Dallas County Areas Underlain By Soluble Rocks with Potential for Karst or Pseudokarst Development



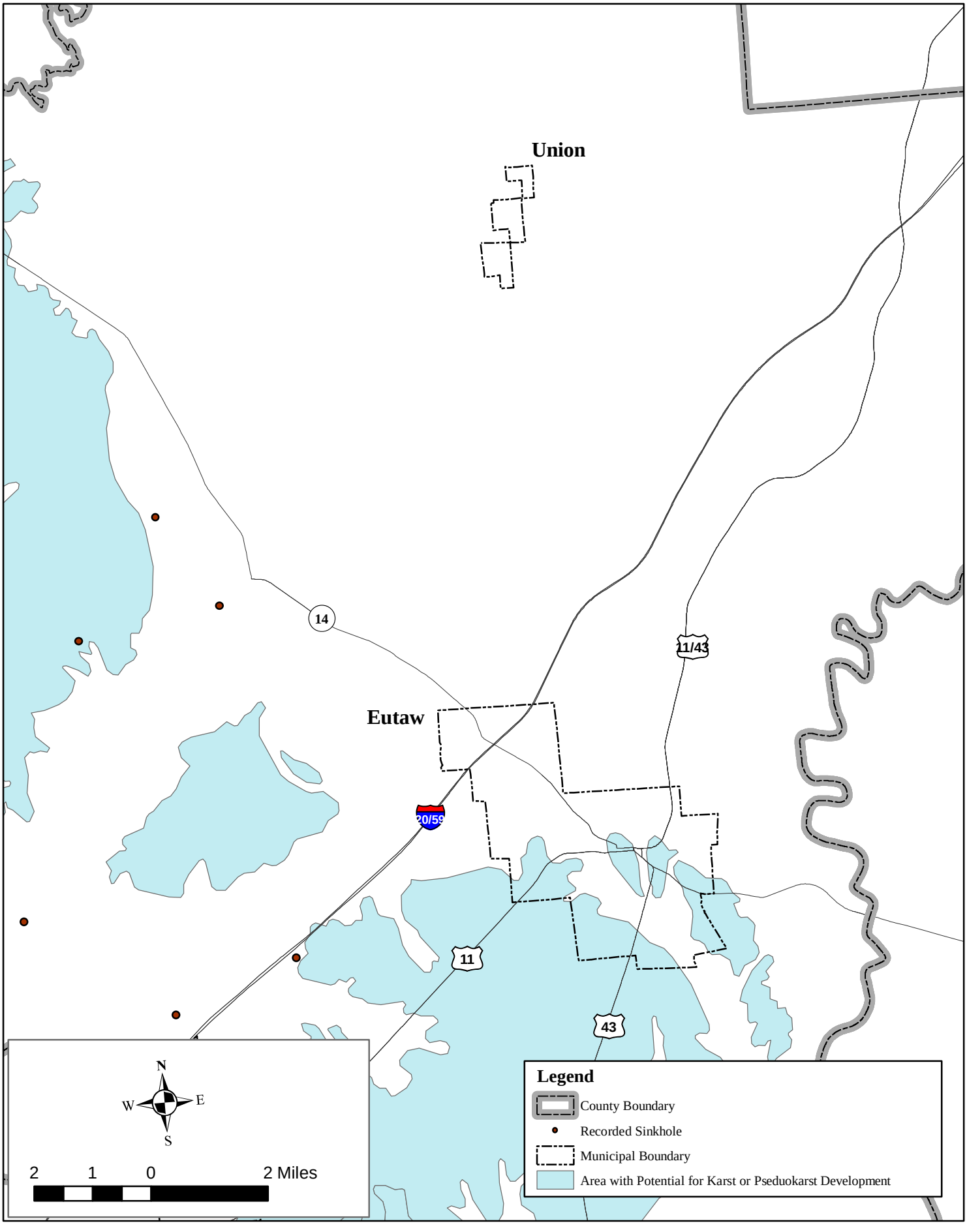
# Greene County Areas Underlain By Soluble Rocks with Potential for Karst or Pseudokarst Development



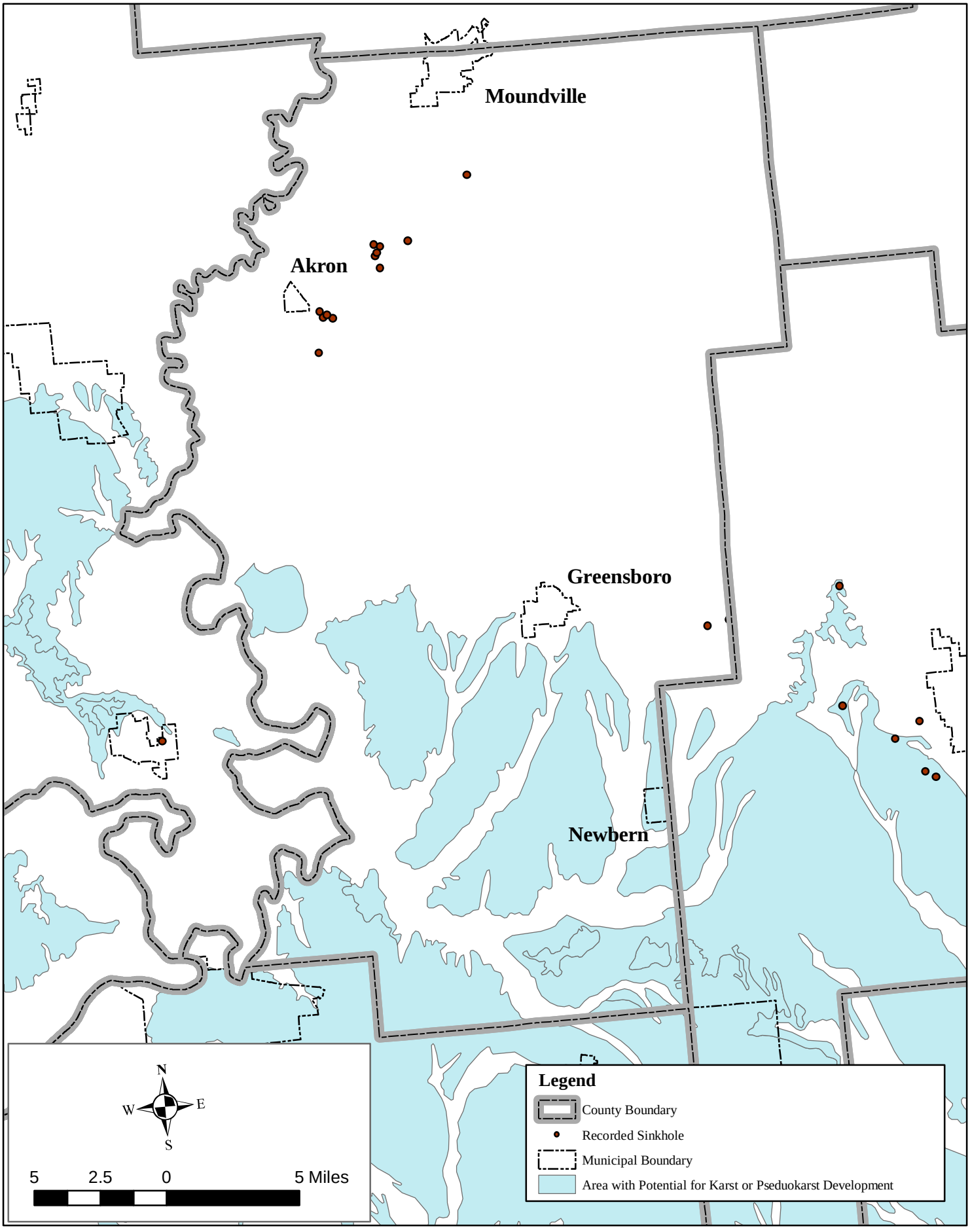
# Greene County Areas Underlain By Soluble Rocks with Potential for Karst or Pseudokarst Development



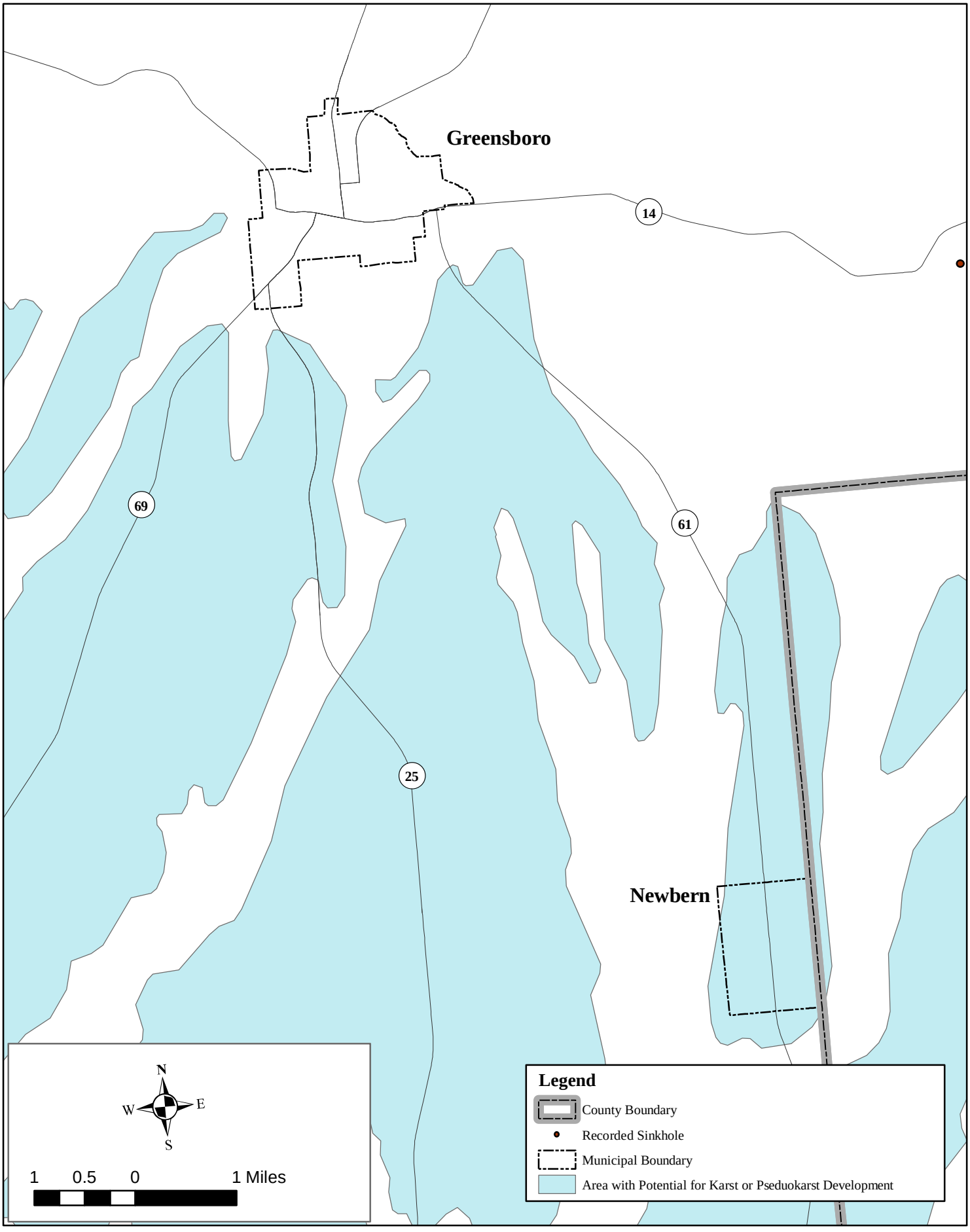
# Greene County Areas Underlain By Soluble Rocks with Potential for Karst or Pseudokarst Development



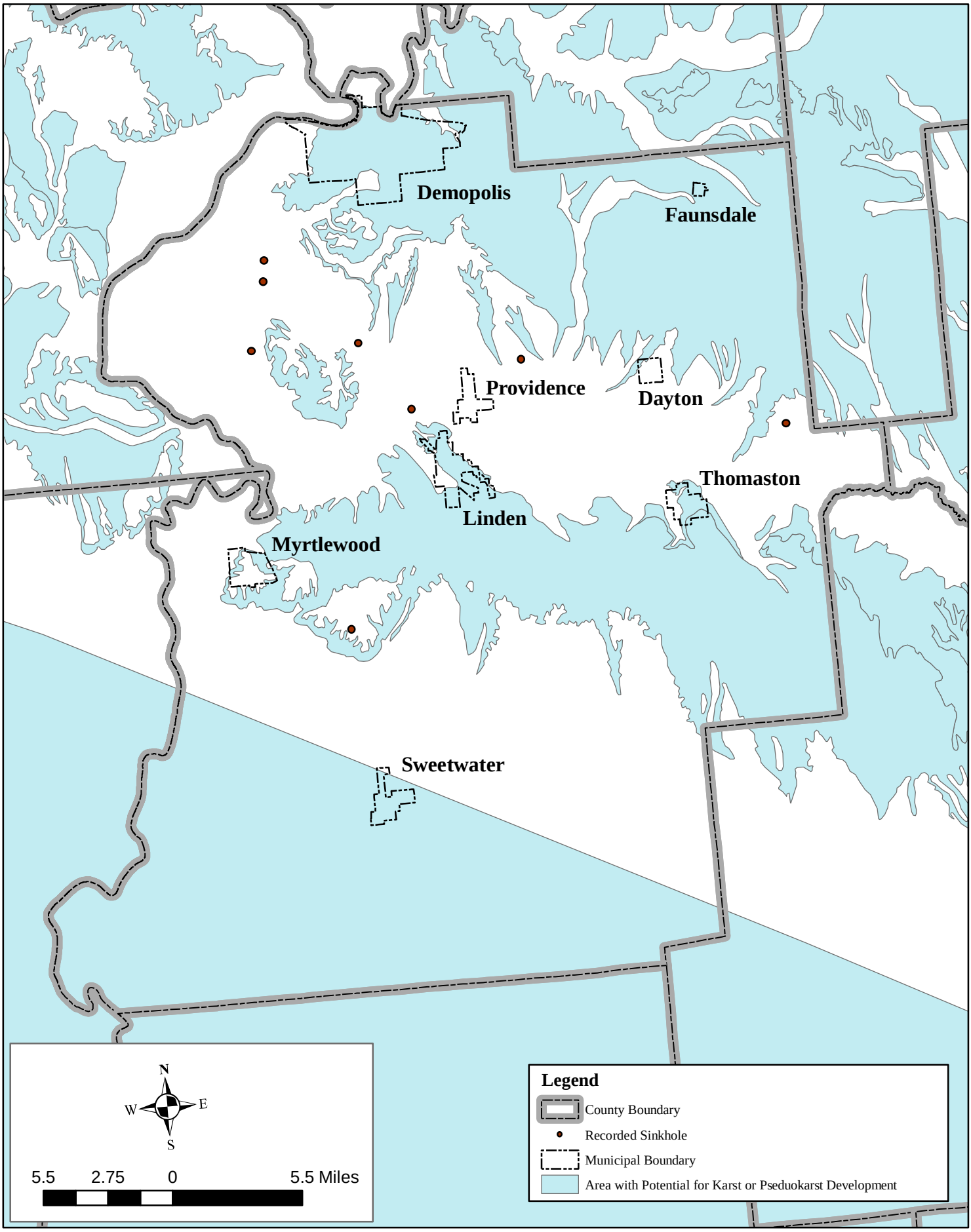
# Hale County Areas Underlain By Soluble Rocks with Potential for Karst or Pseudokarst Development



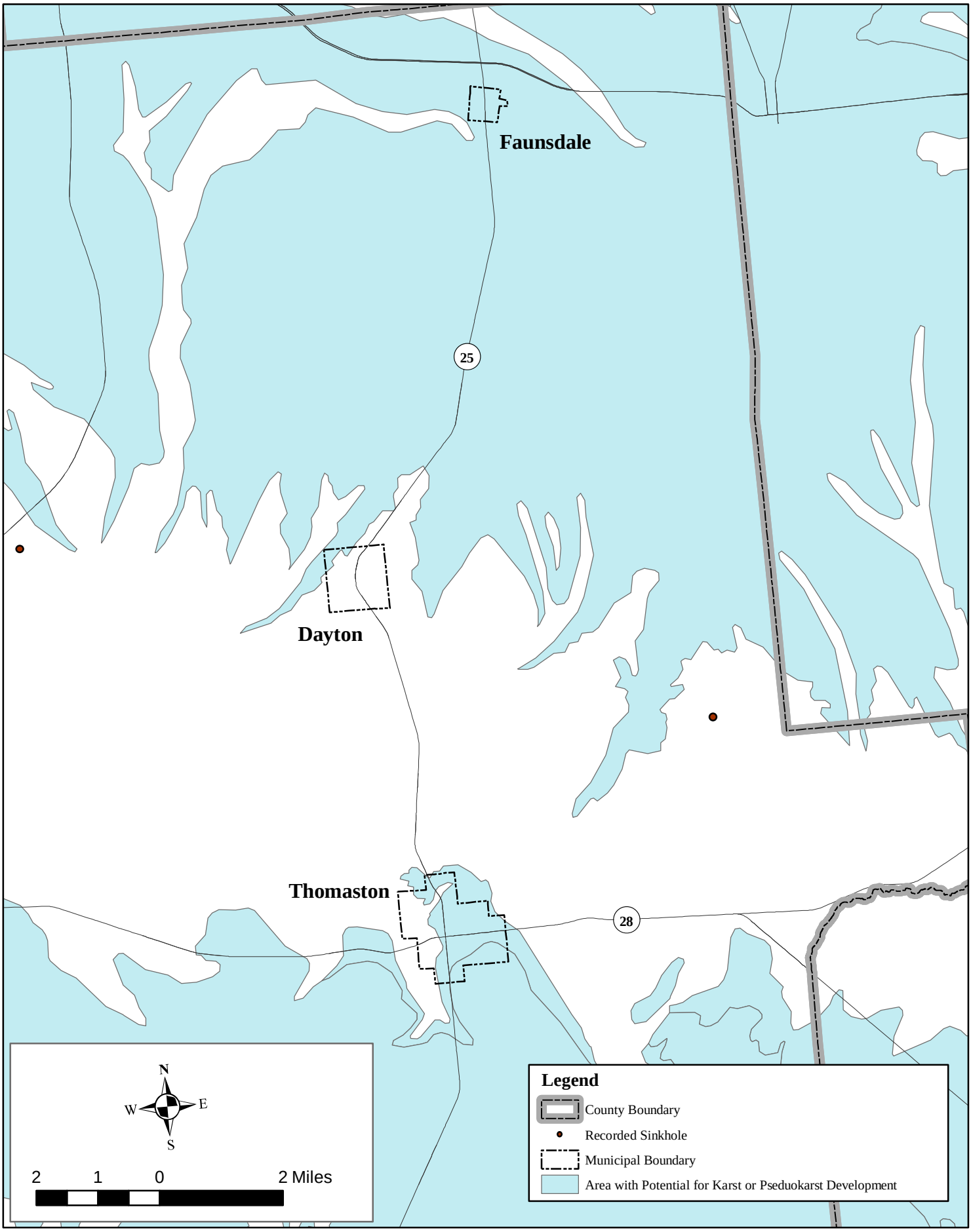
# Hale County Areas Underlain By Soluble Rocks with Potential for Karst or Pseudokarst Development



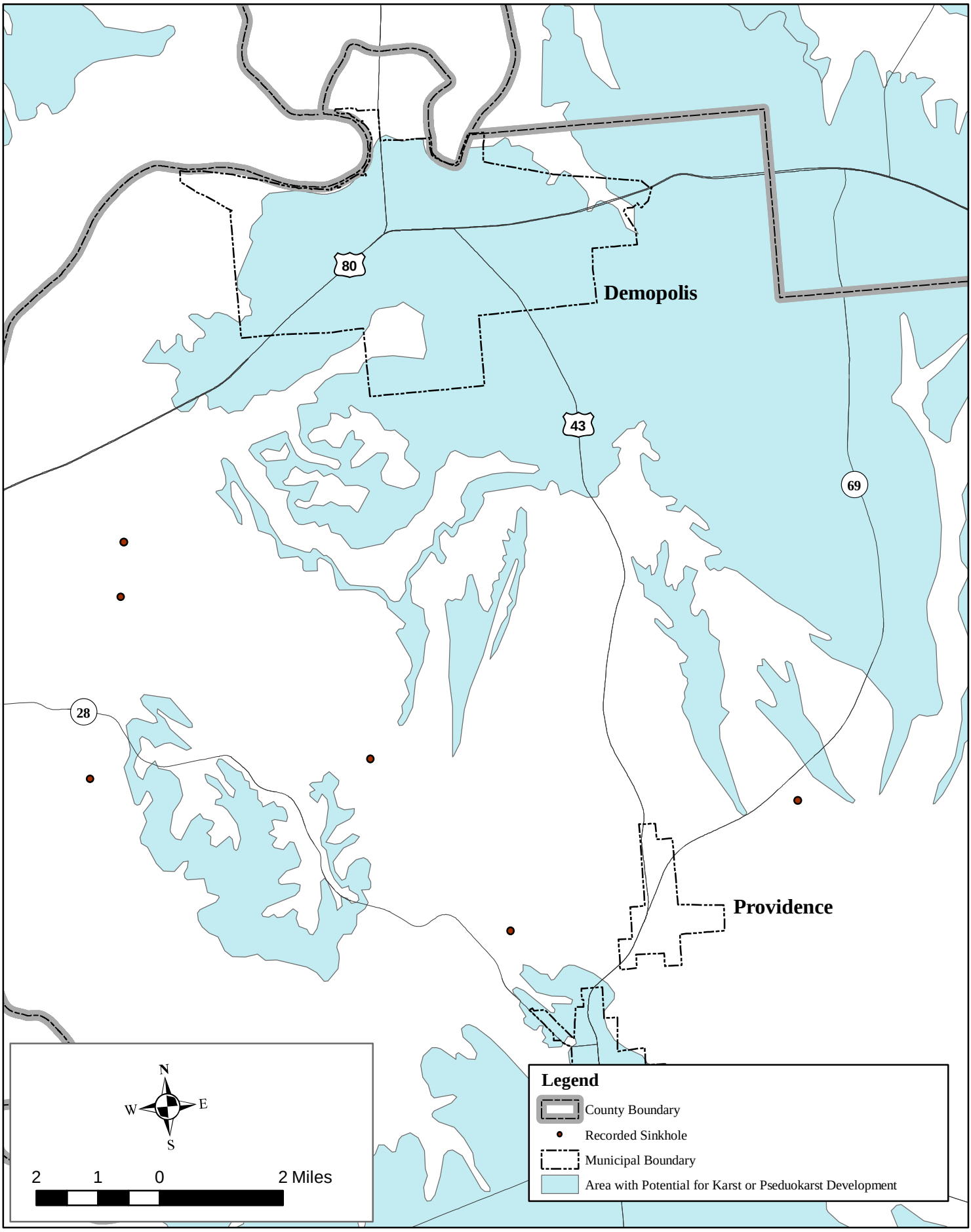
# Marengo County Areas Underlain By Soluble Rocks with Potential for Karst or Pseudokarst Development



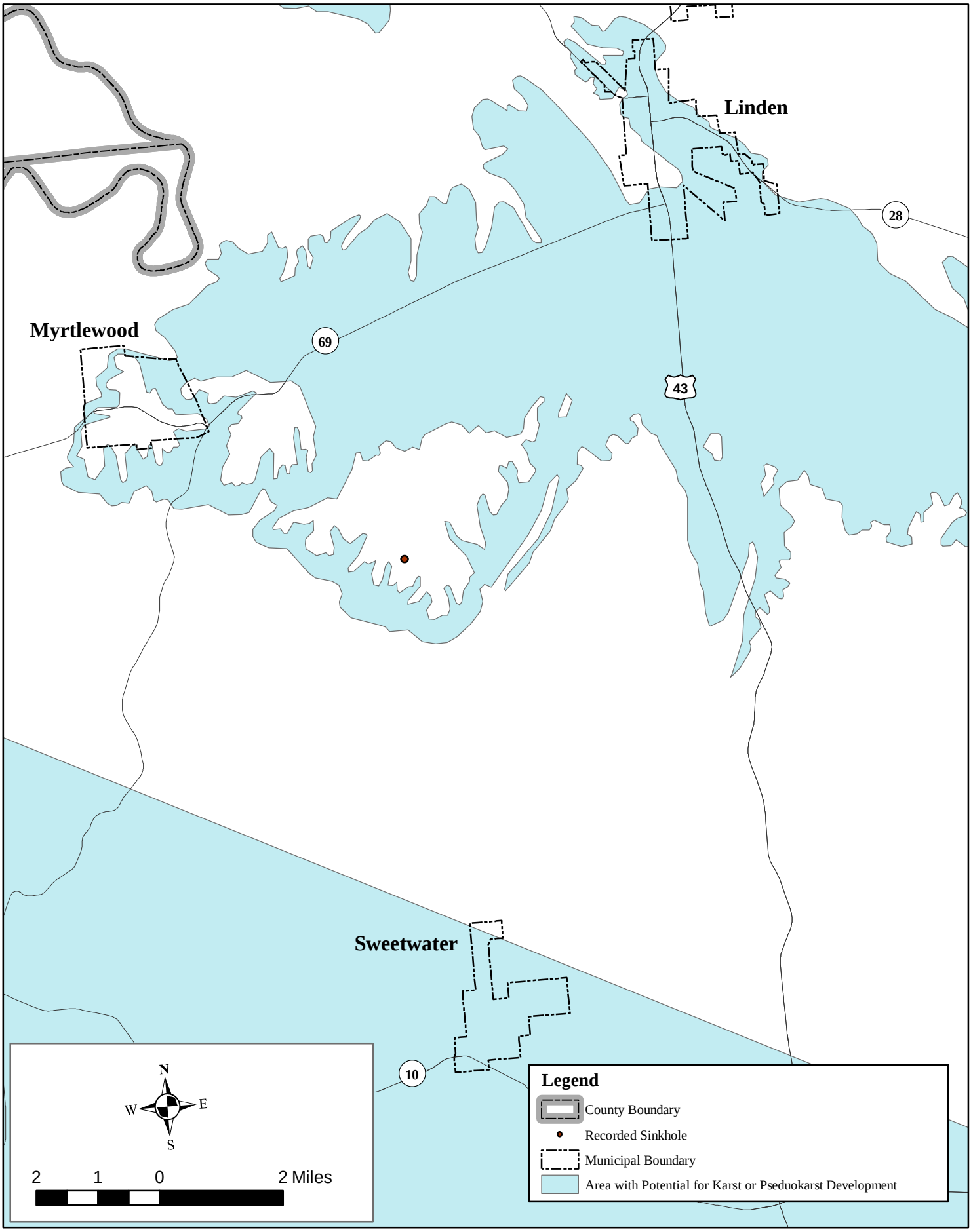
# Marengo County Areas Underlain By Soluble Rocks with Potential for Karst or Pseudokarst Development



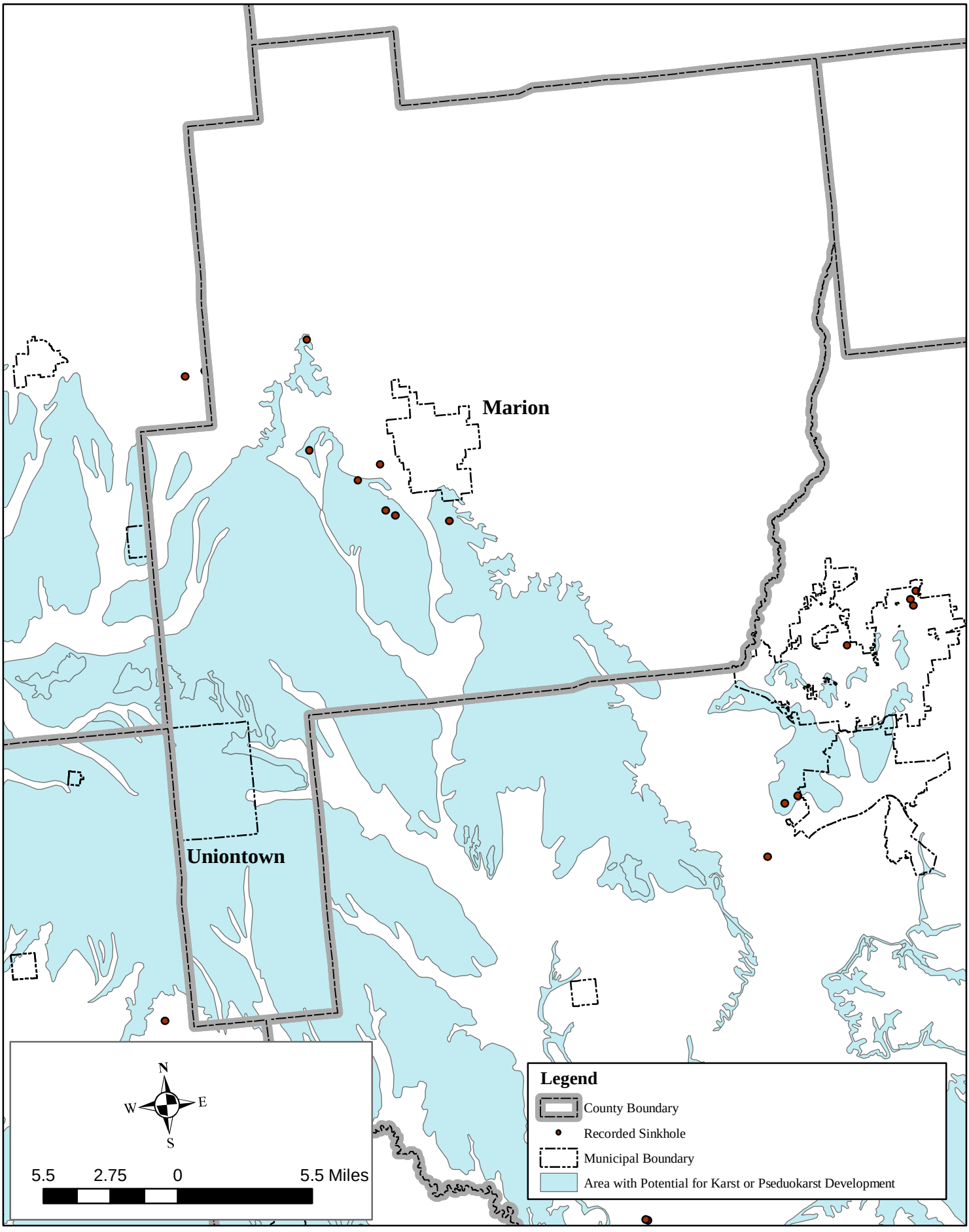
# Marengo County Areas Underlain By Soluble Rocks with Potential for Karst or Pseudokarst Development



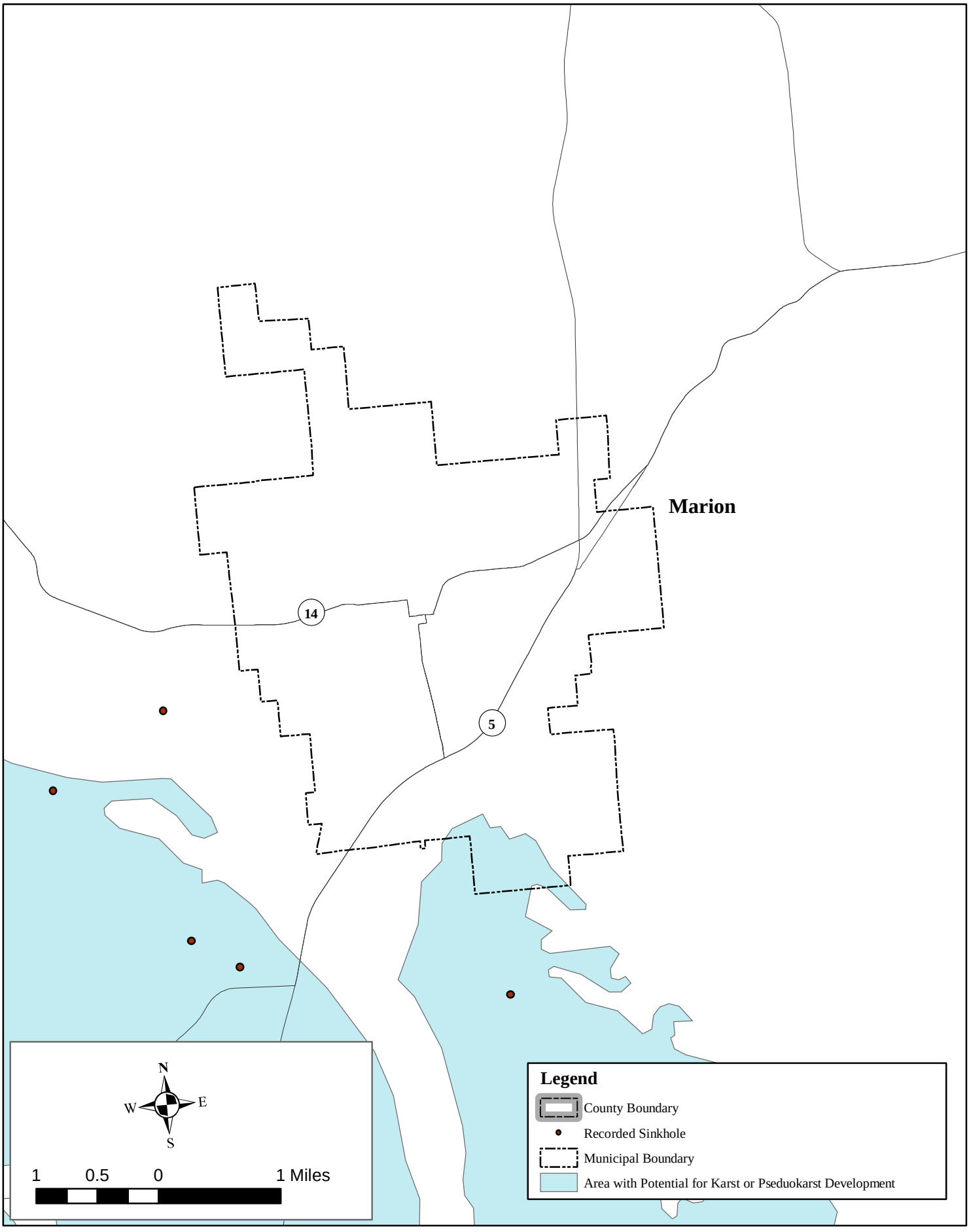
# Marengo County Areas Underlain By Soluble Rocks with Potential for Karst or Pseudokarst Development



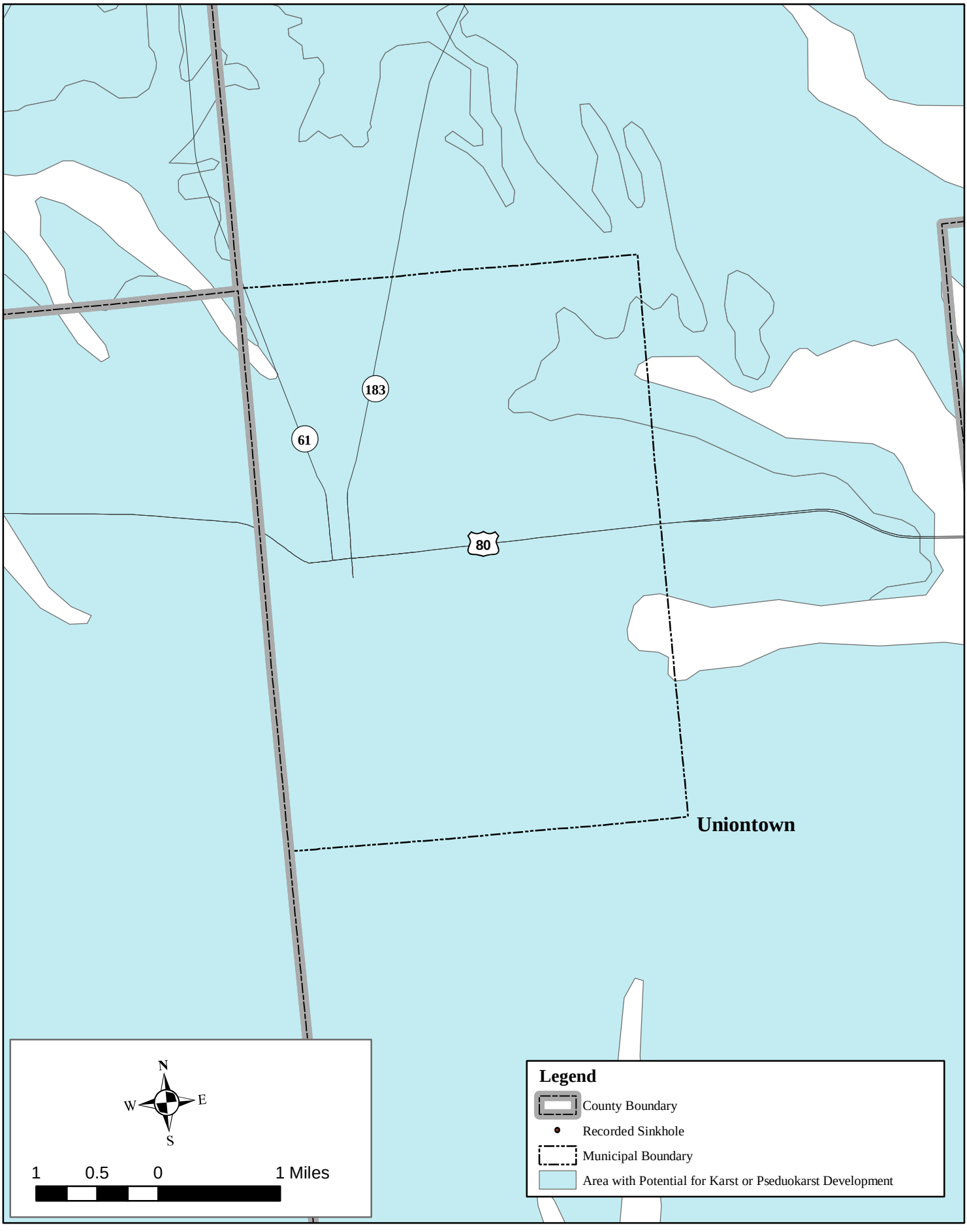
# Perry County Areas Underlain By Soluble Rocks with Potential for Karst or Pseudokarst Development



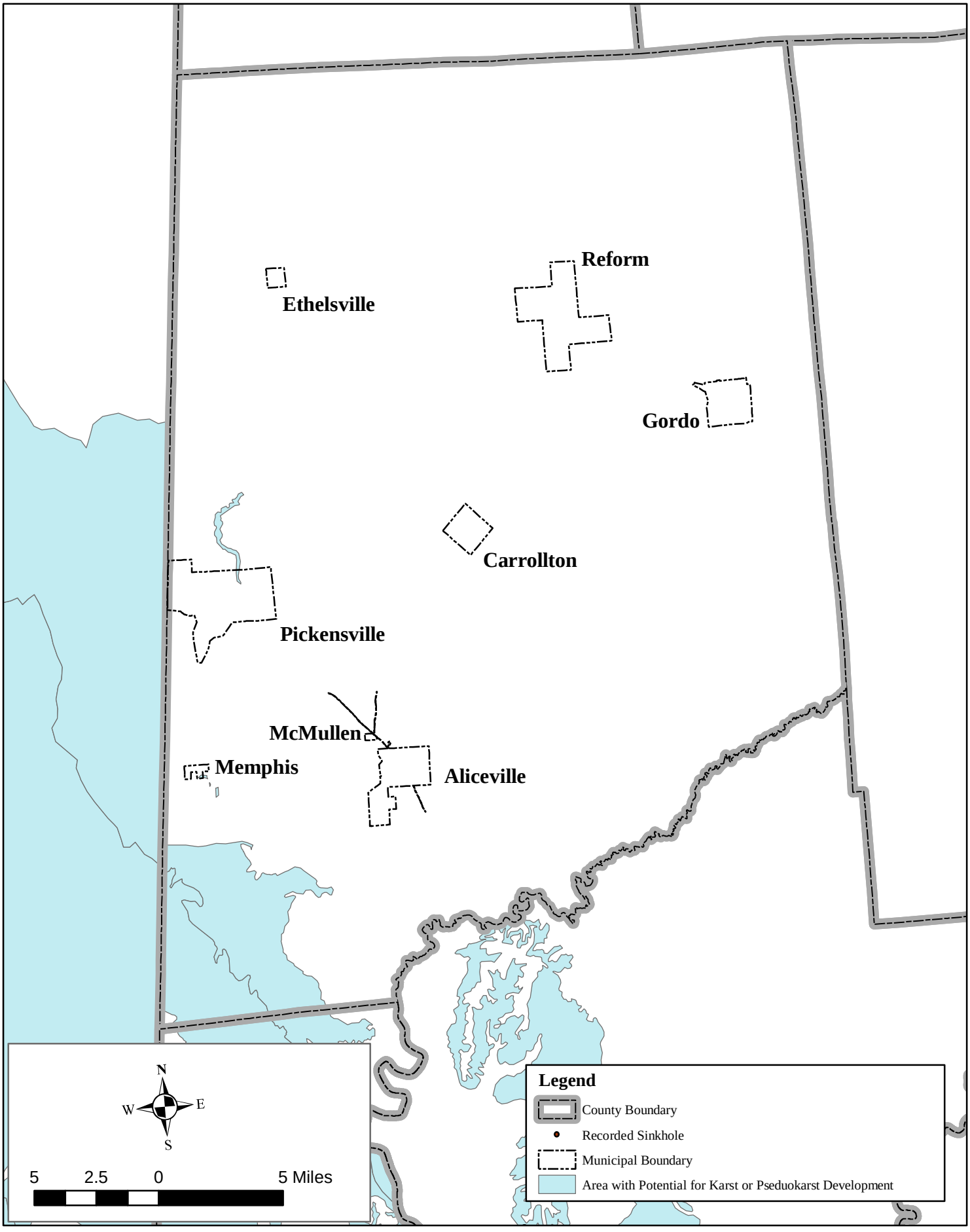
# Perry County Areas Underlain By Soluble Rocks with Potential for Karst or Pseudokarst Development



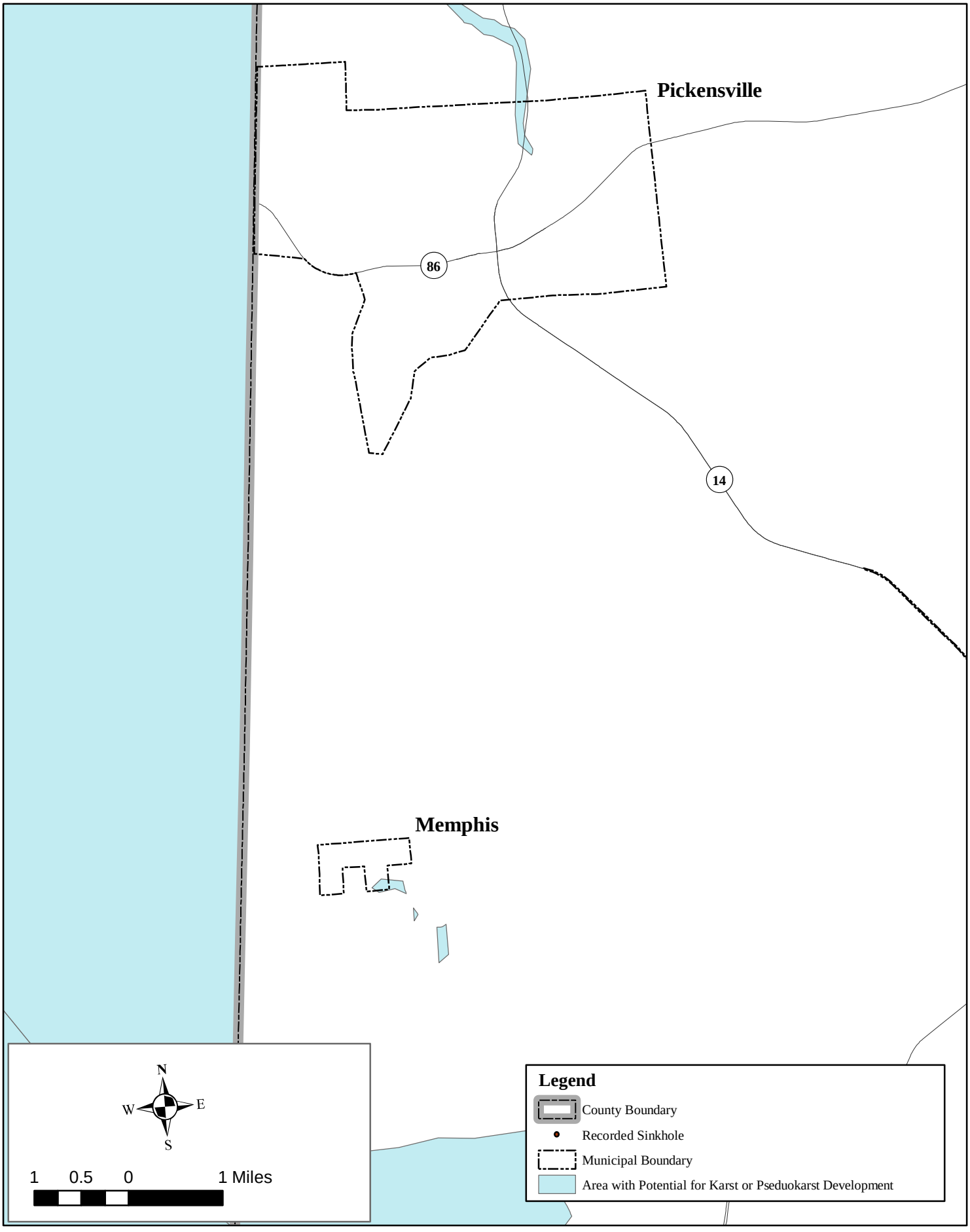
# Perry County Areas Underlain By Soluble Rocks with Potential for Karst or Pseudokarst Development



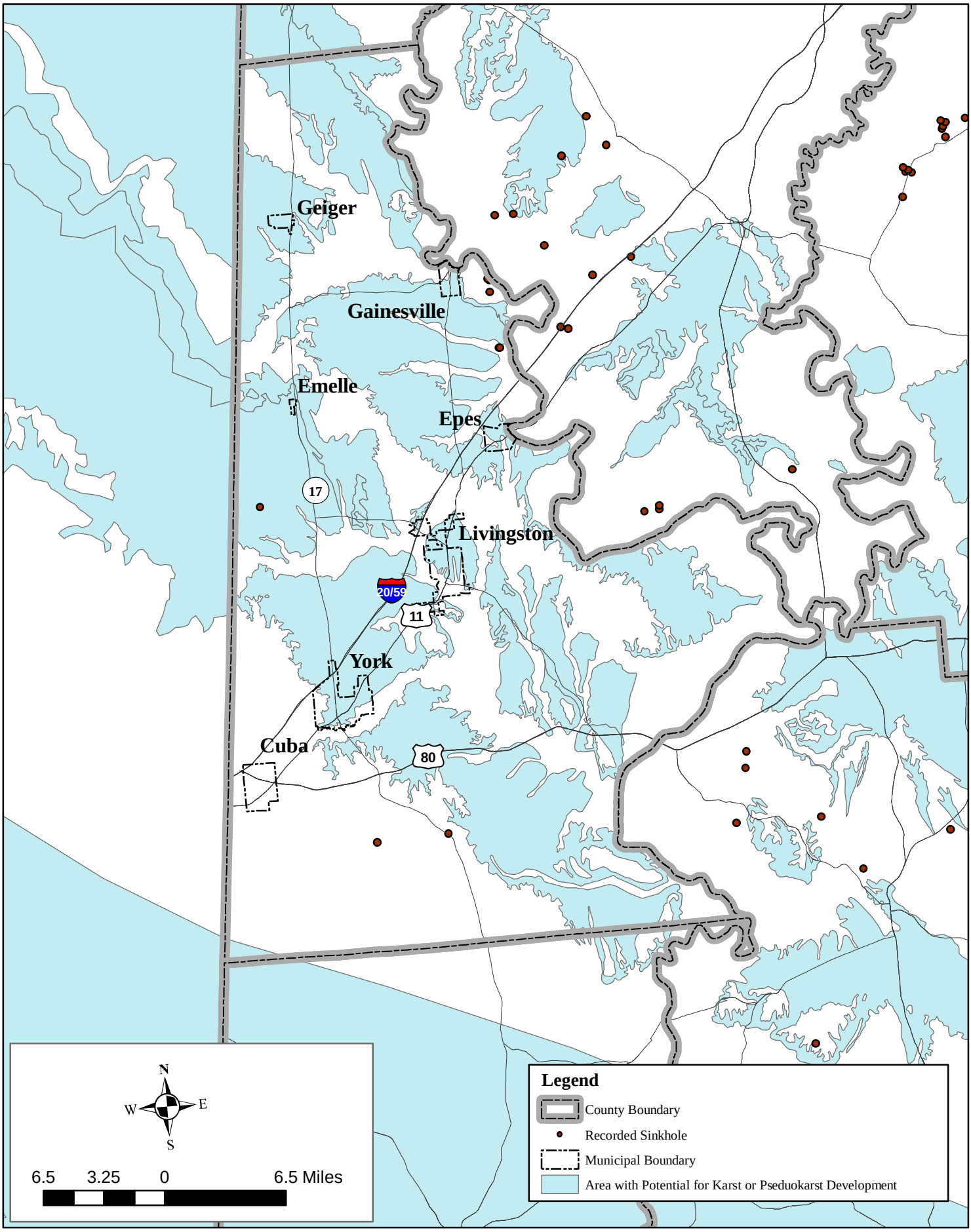
# Pickens County Areas Underlain By Soluble Rocks with Potential for Karst or Pseudokarst Development



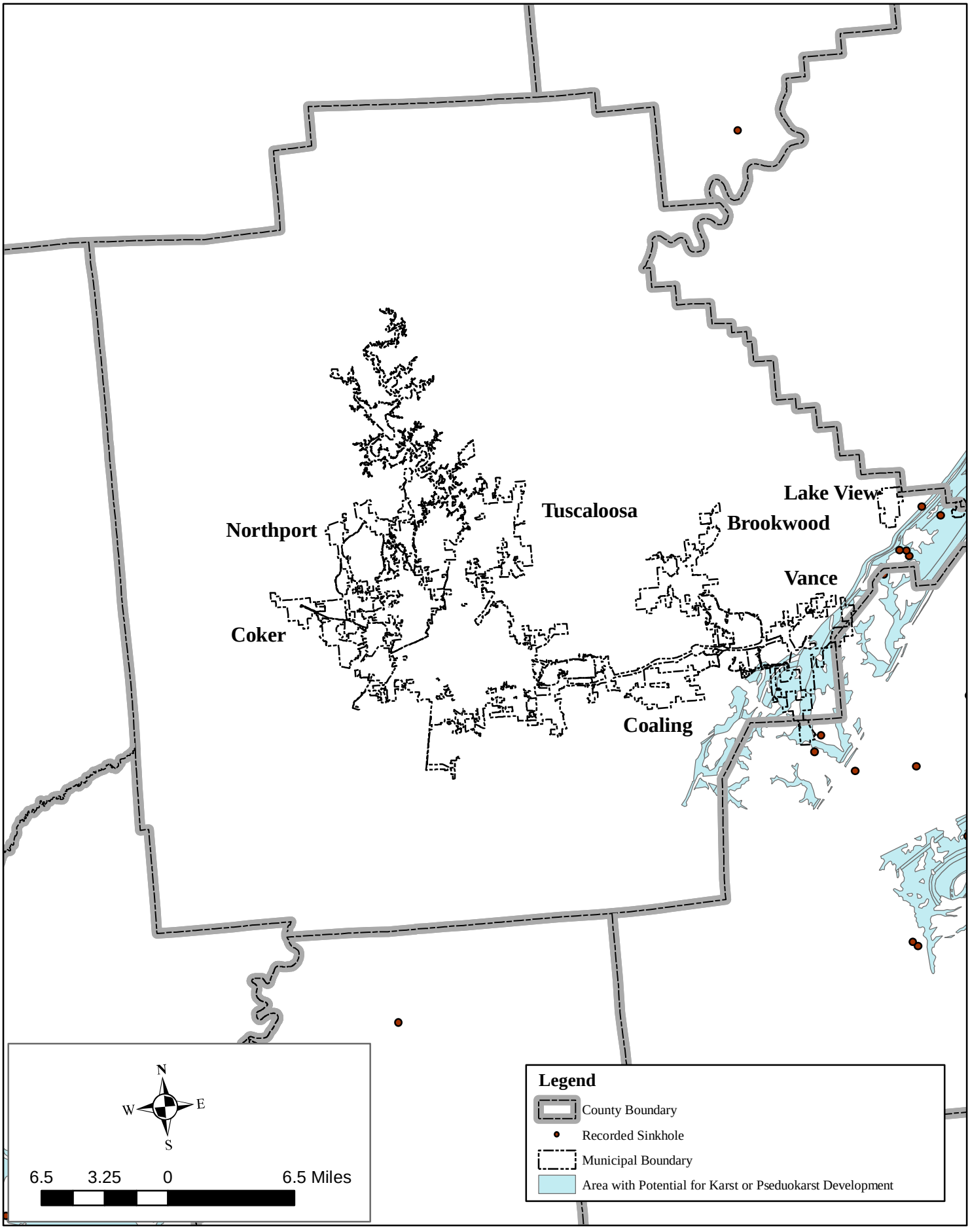
# Pickens County Areas Underlain By Soluble Rocks with Potential for Karst or Pseudokarst Development



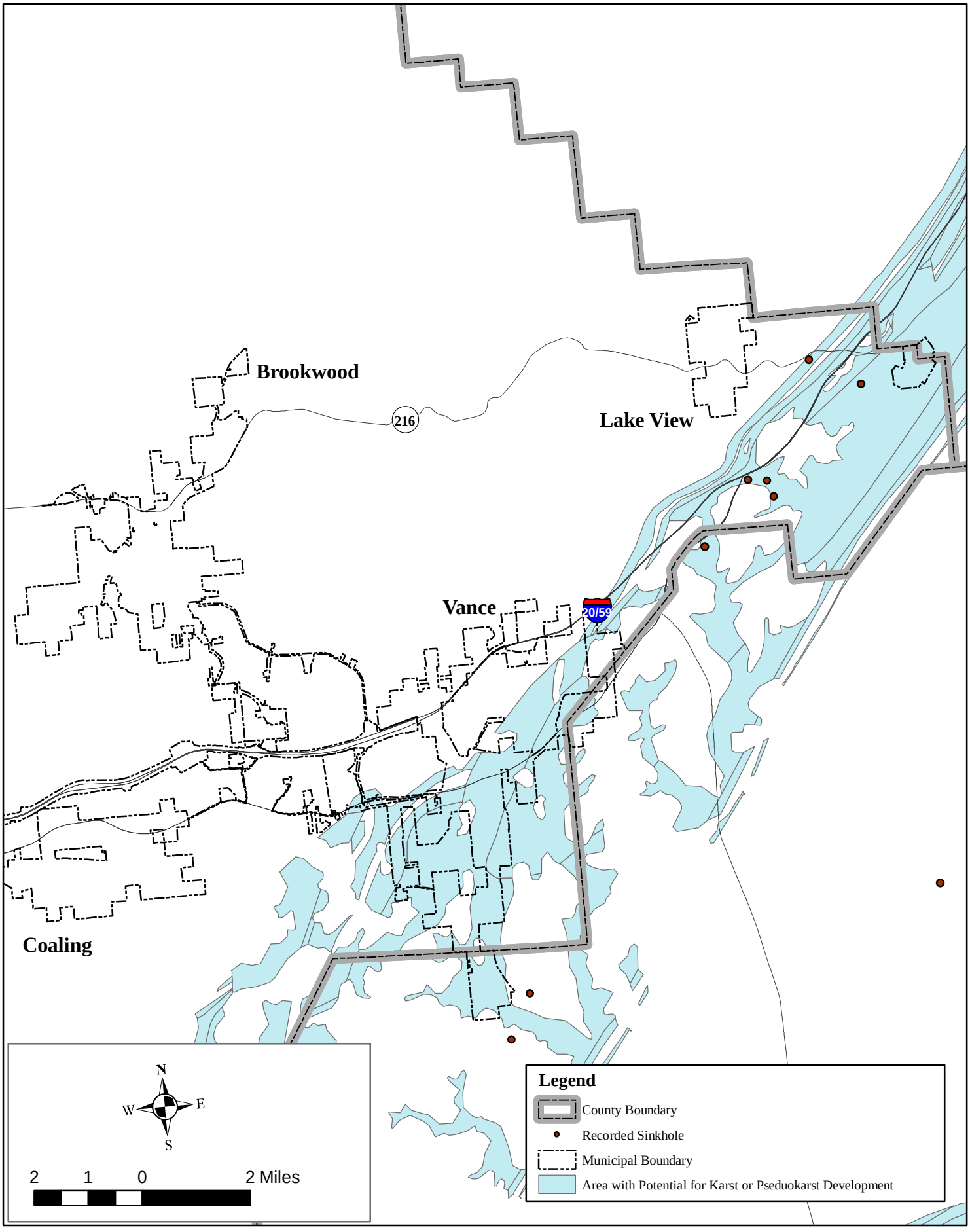
# Sumter County Areas Underlain By Soluble Rocks with Potential for Karst or Pseudokarst Development



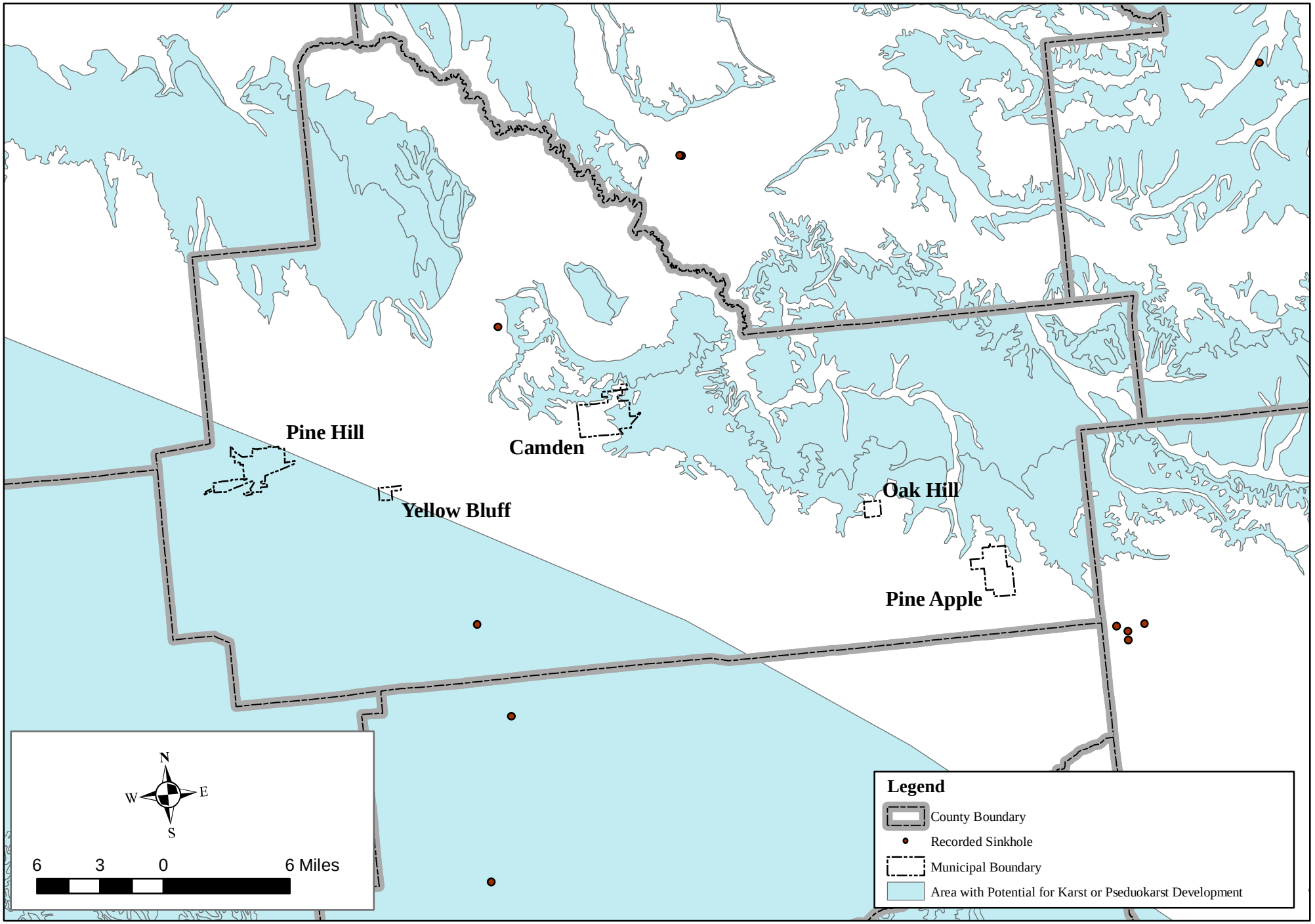
# Tuscaloosa County Areas Underlain By Soluble Rocks with Potential for Karst or Pseudokarst Development



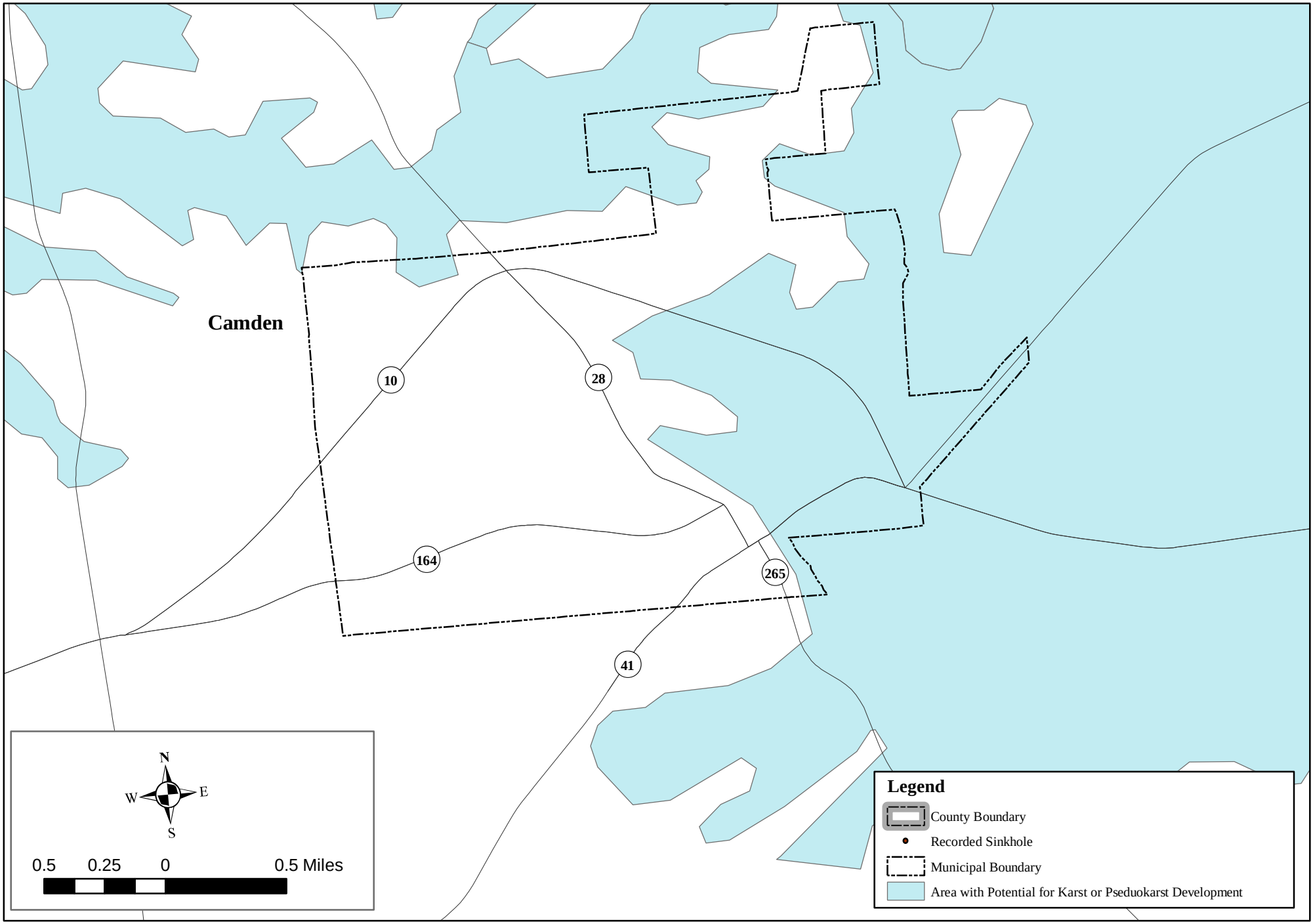
# Tuscaloosa County Areas Underlain By Soluble Rocks with Potential for Karst or Pseudokarst Development



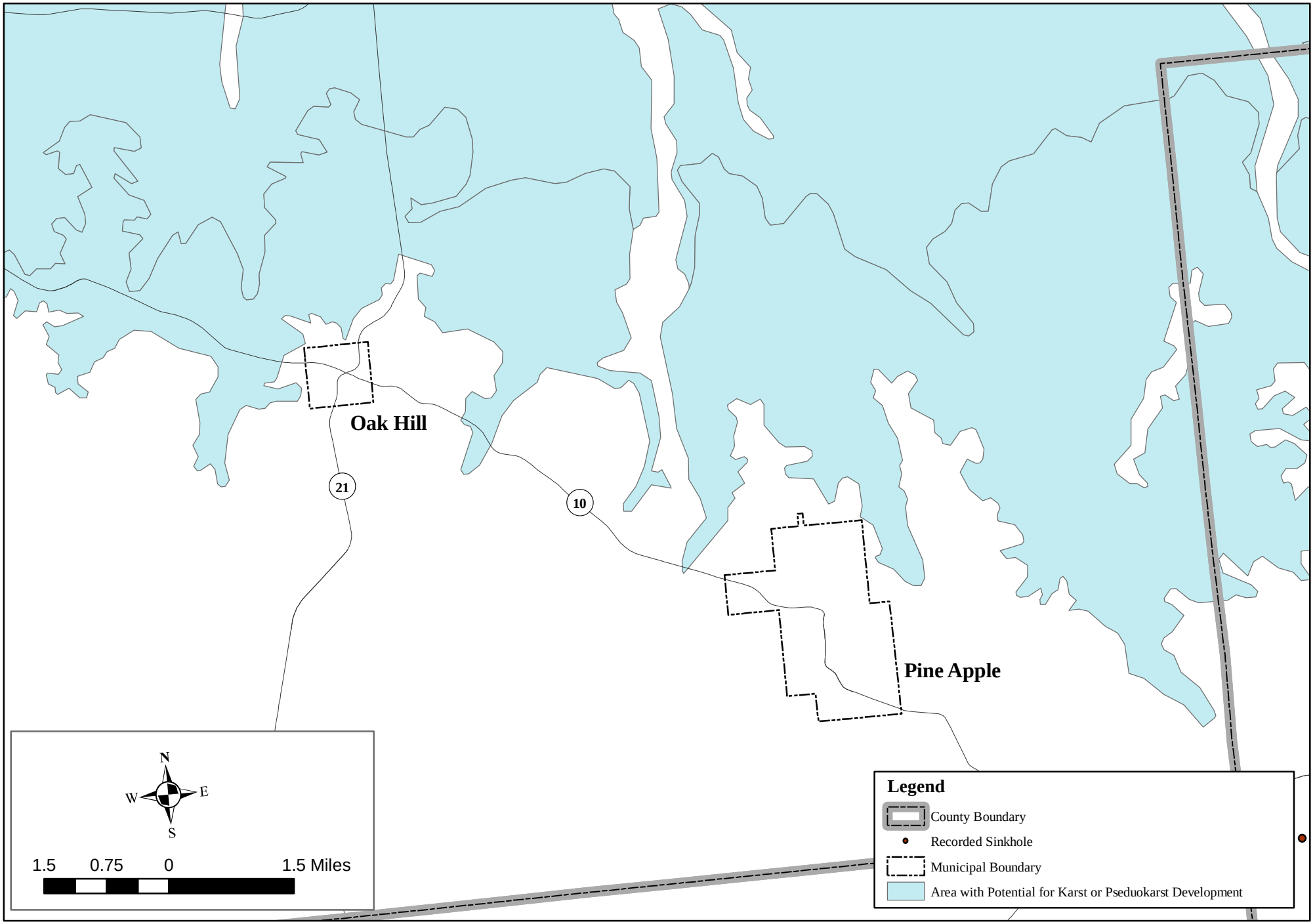
# Wilcox County Areas Underlain By Soluble Rocks with Potential for Karst or Pseudokarst Development



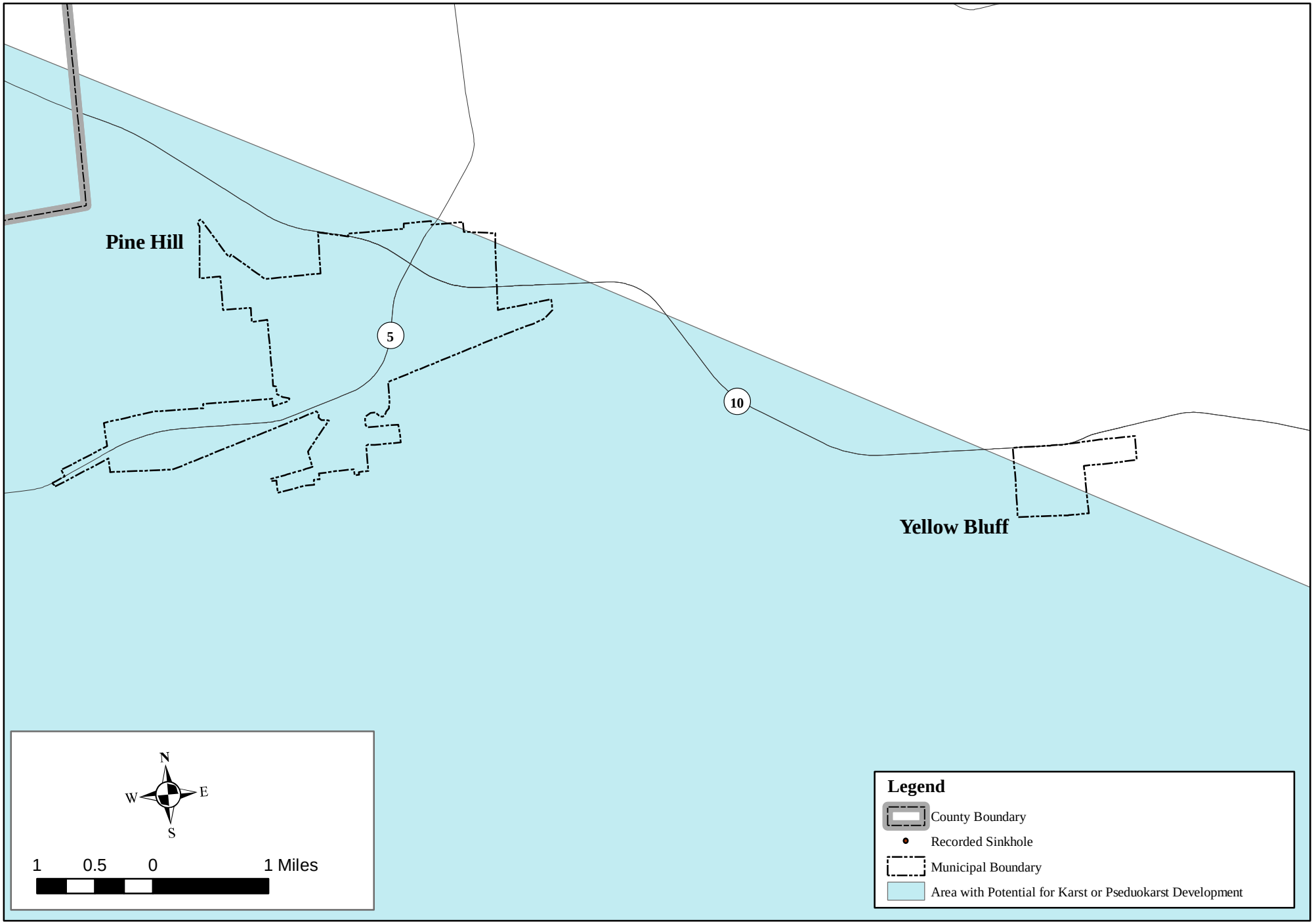
# Wilcox County Areas Underlain By Soluble Rocks with Potential for Karst or Pseudokarst Development



# Wilcox County Areas Underlain By Soluble Rocks with Potential for Karst or Pseudokarst Development



# Wilcox County Areas Underlain By Soluble Rocks with Potential for Karst or Pseudokarst Development



Appendix F

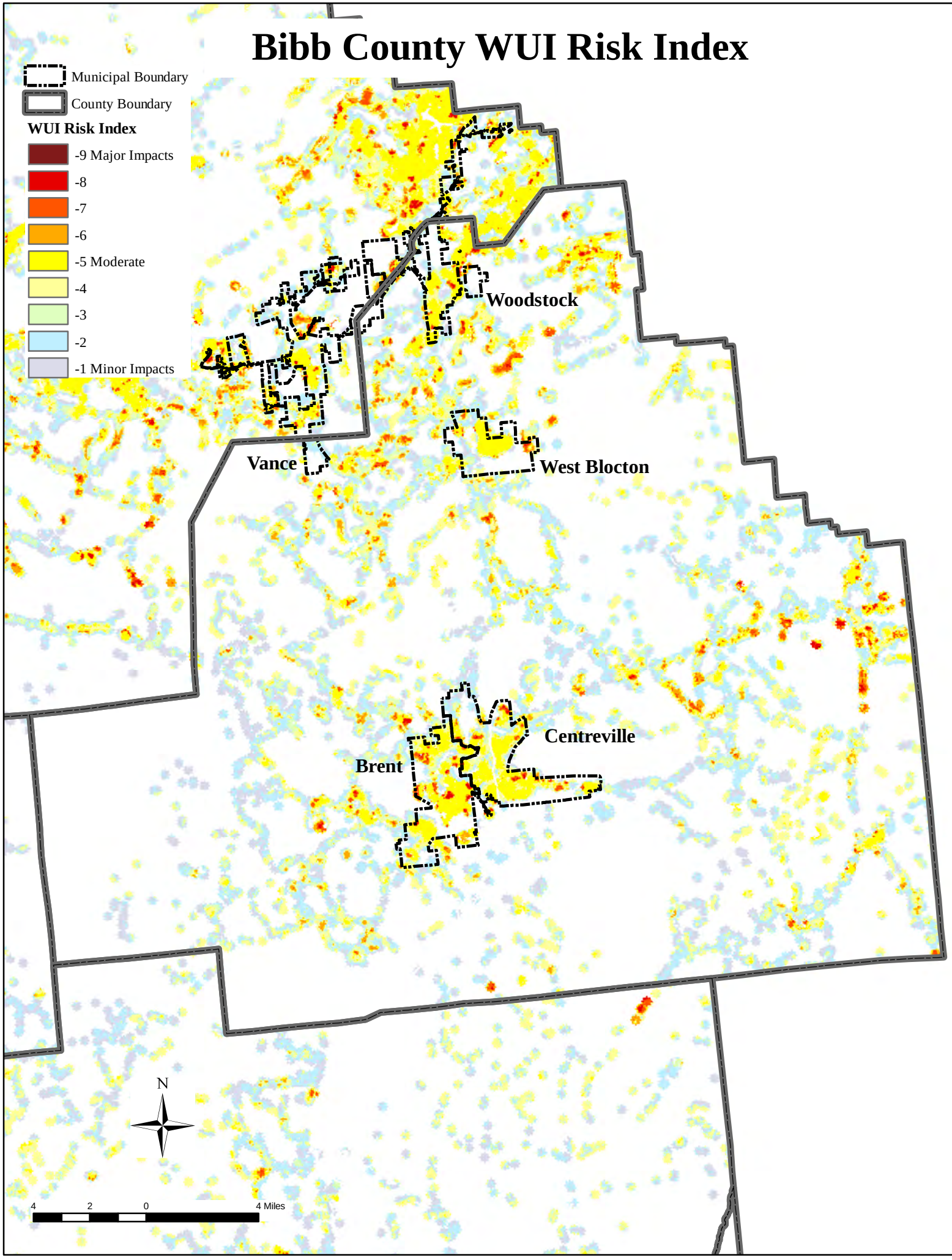
Wildland Urban Interface Risk Index by Jurisdiction

Wildfire Intensity  by Jurisdiction

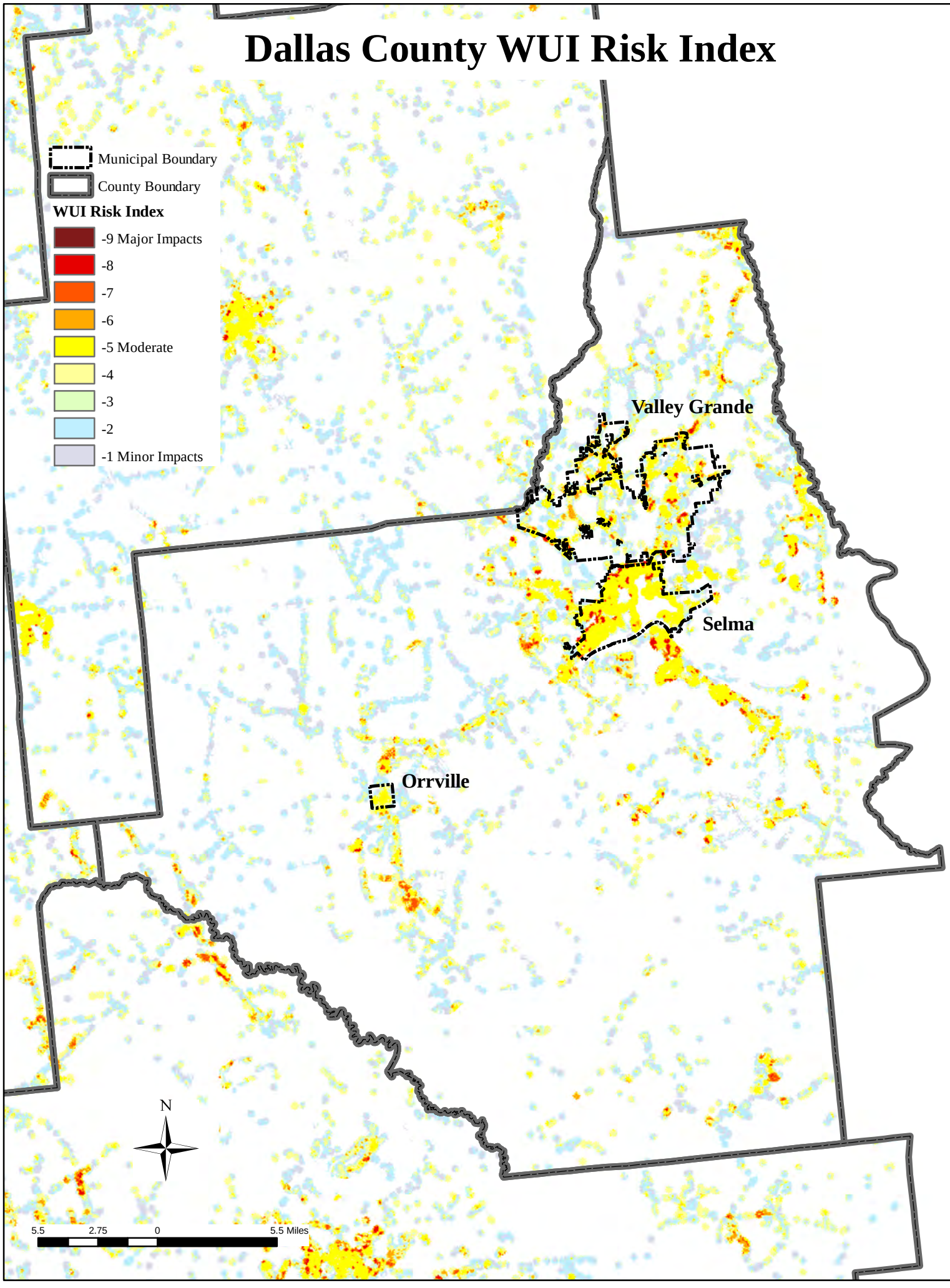
Wildfire Burn Probability by Jurisdiction

# Wildland Urban Interface Risk Index by Jurisdiction

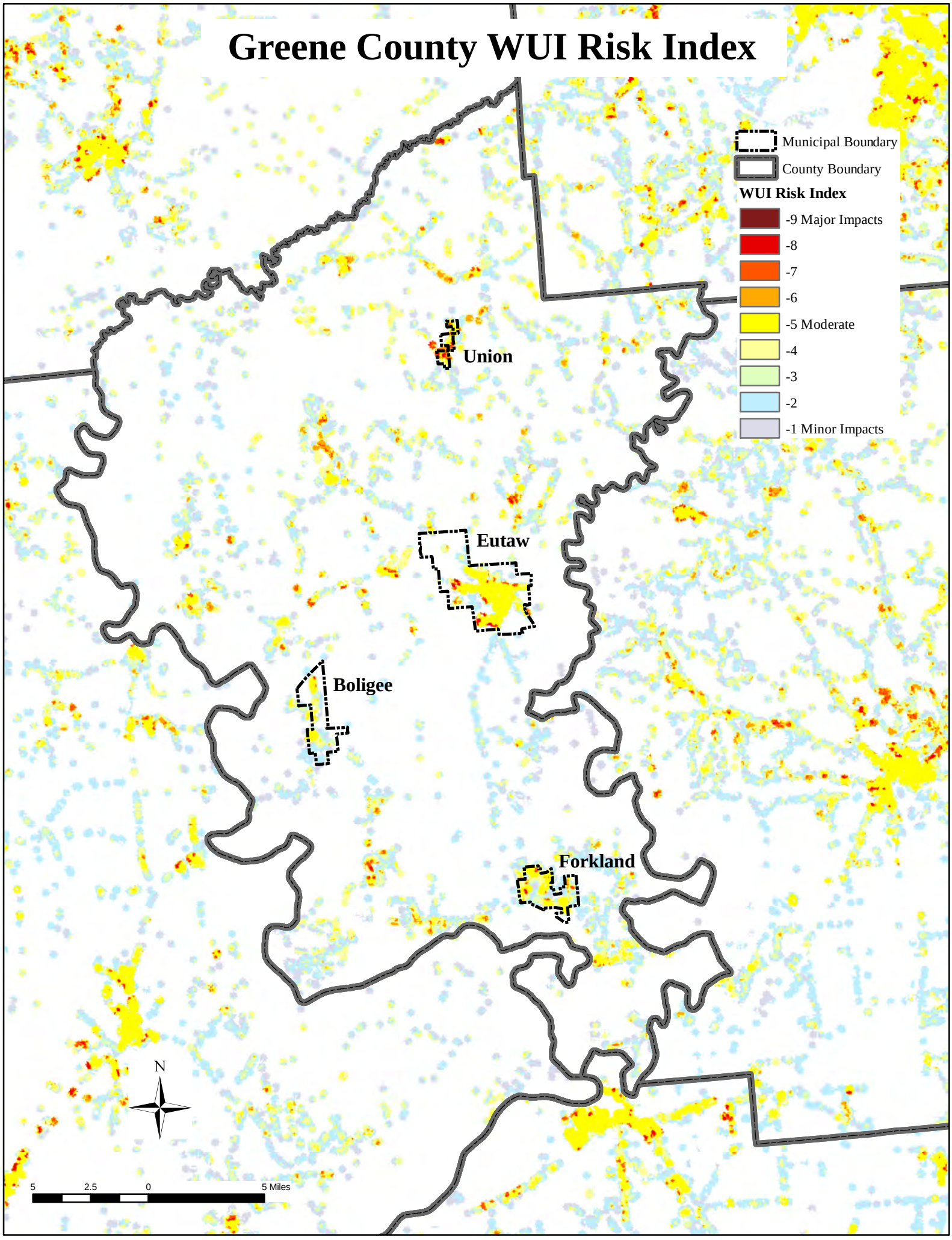
# Bibb County WUI Risk Index



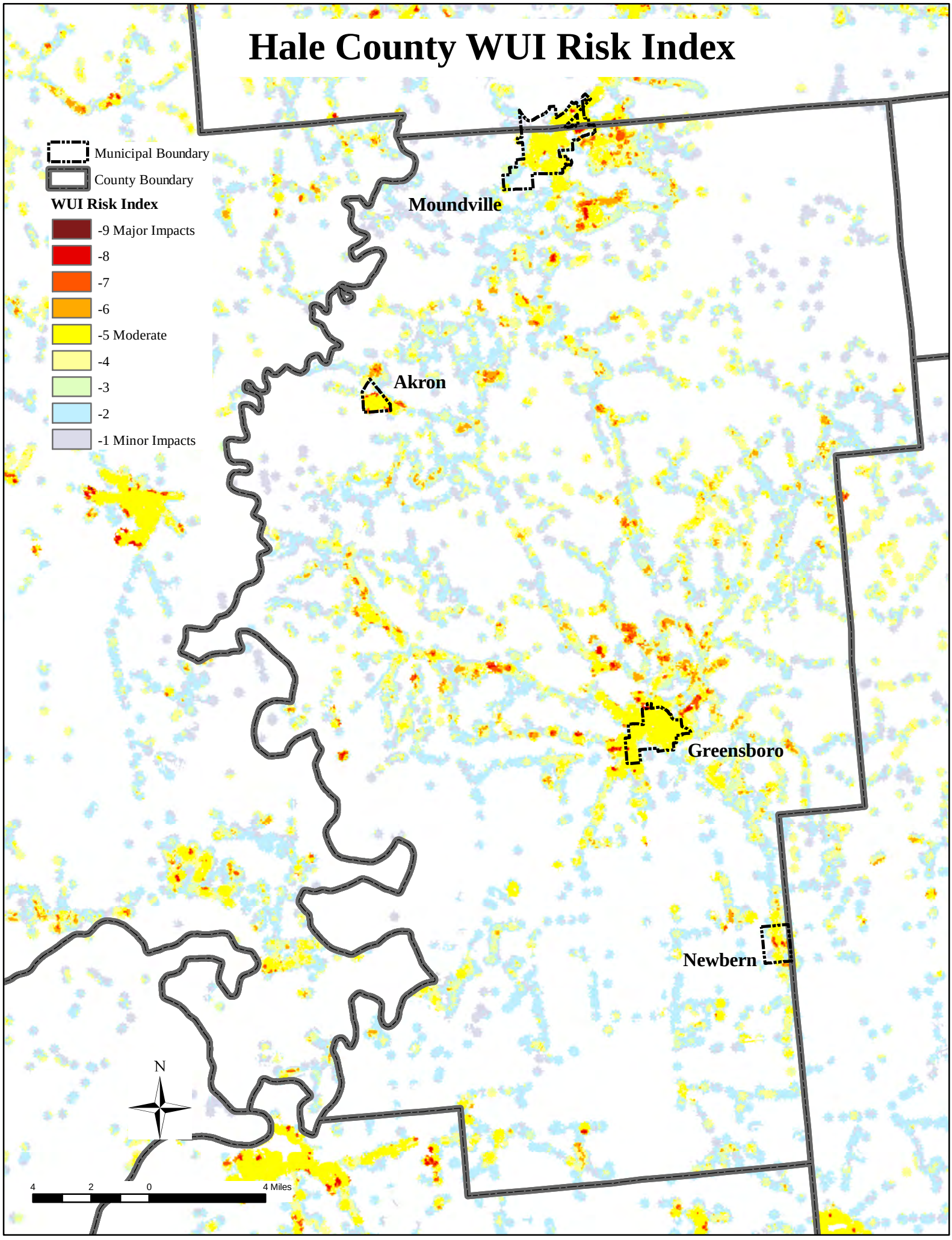
# Dallas County WUI Risk Index

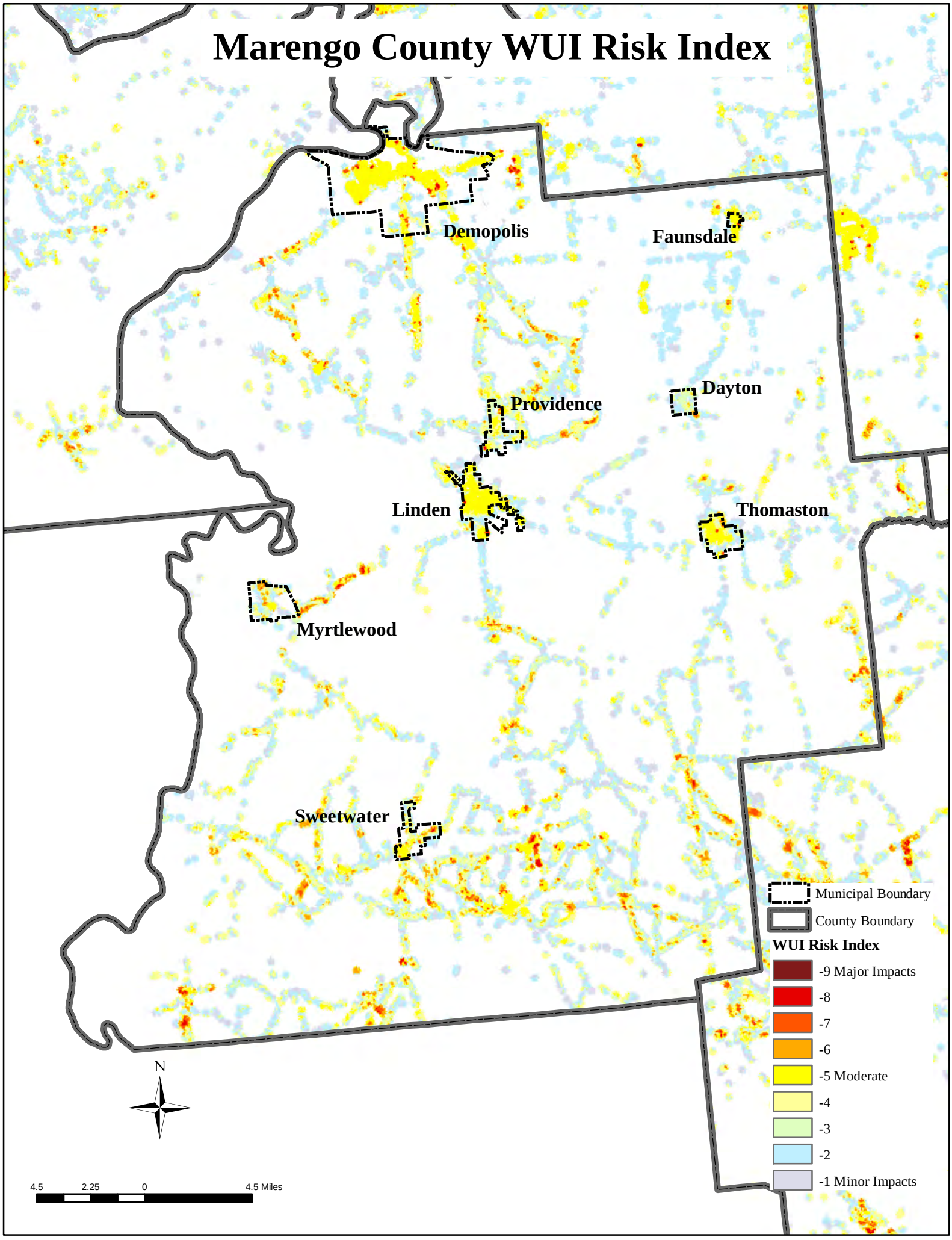


# Greene County WUI Risk Index

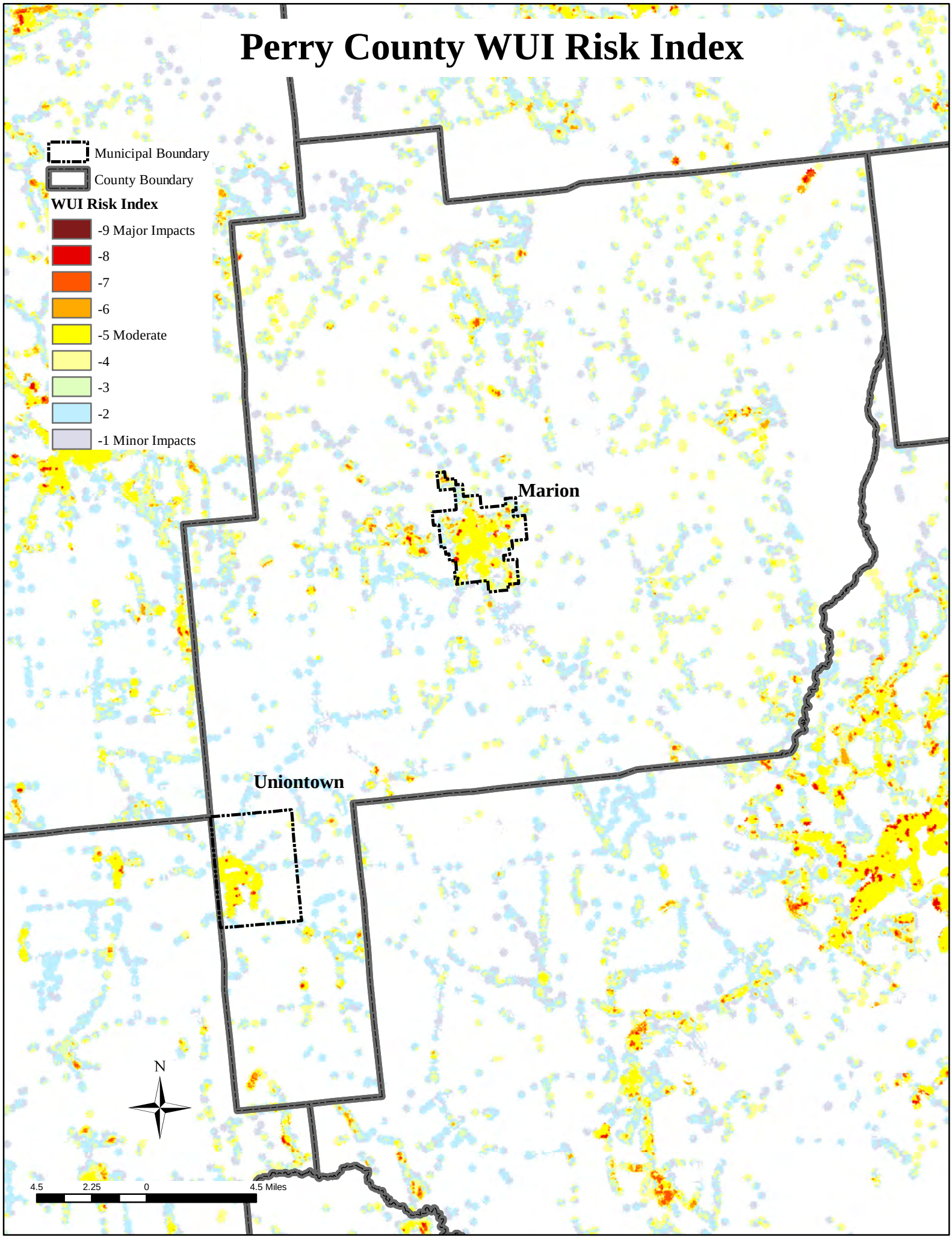


# Hale County WUI Risk Index

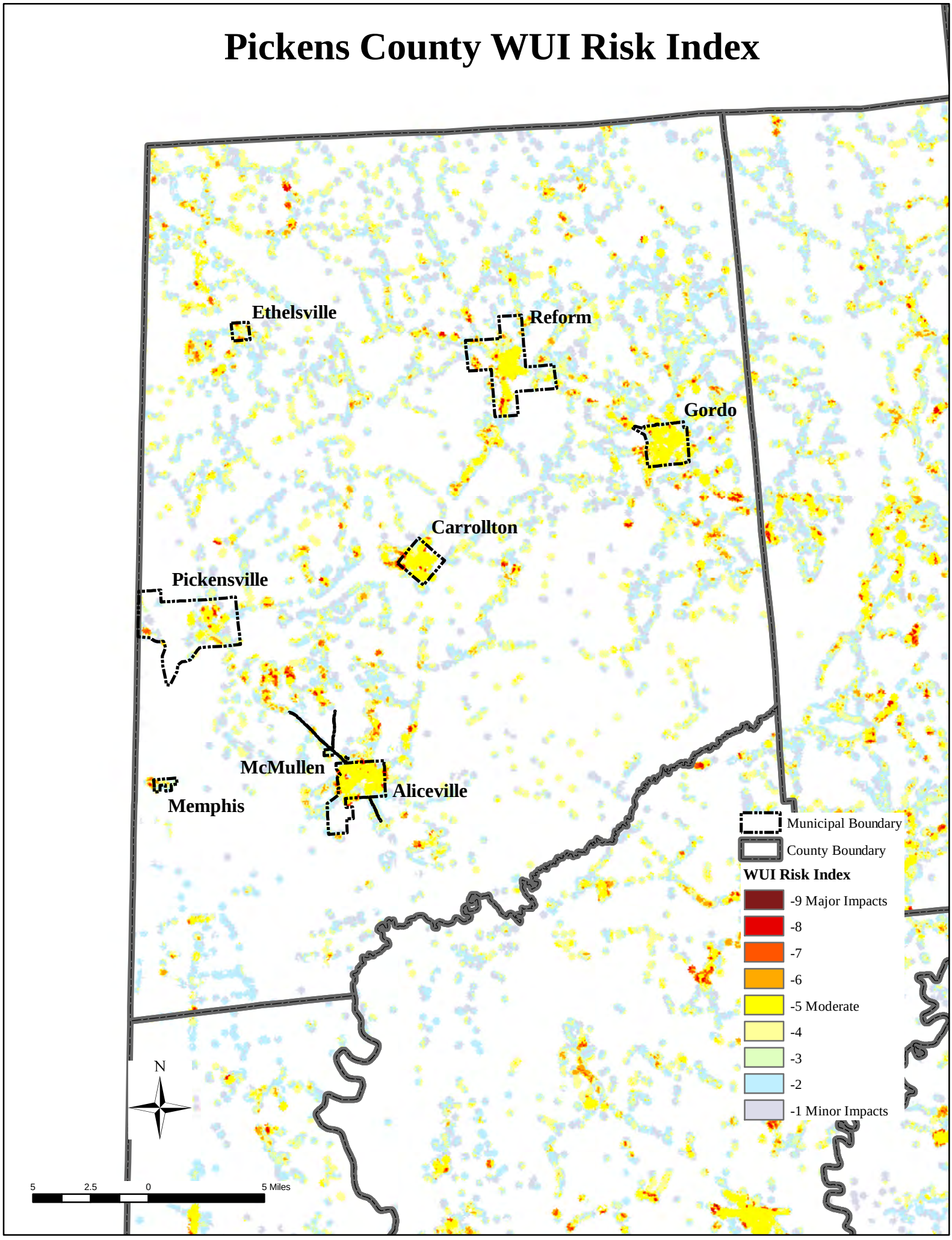



Marengo County WUI Risk Index
Demopolis
Faunsdale
Dayton
Providence
Linden
Thomaston
Myrtlewood
Sweetwater
Municipal Boundary
County Boundary
WUI Risk Index
-9 Major Impacts
-8
-7
-6
-5 Moderate
-4
-3
-2
-1 Minor Impacts
N
4.5
2.25
0
4.5 Miles

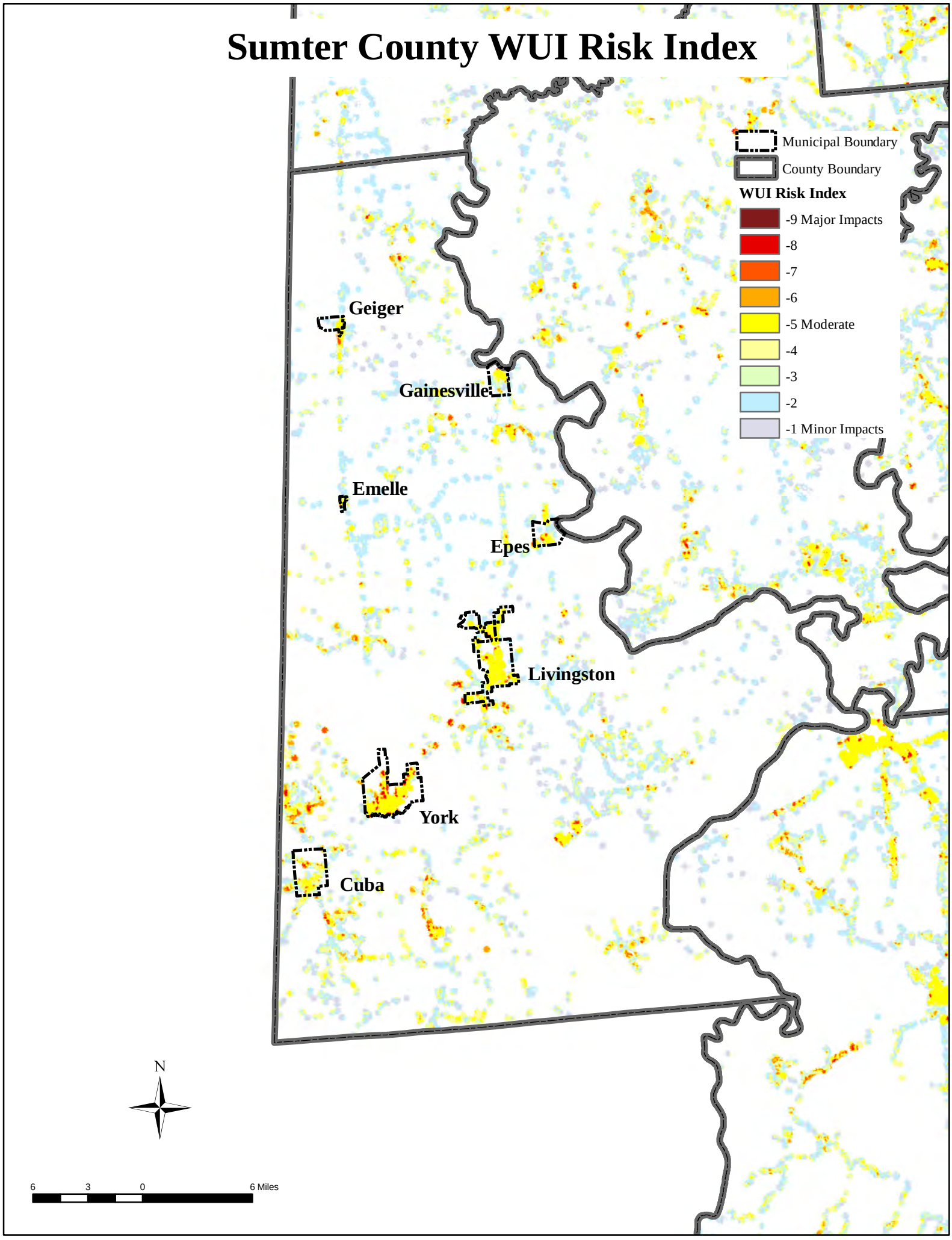
# Perry County WUI Risk Index



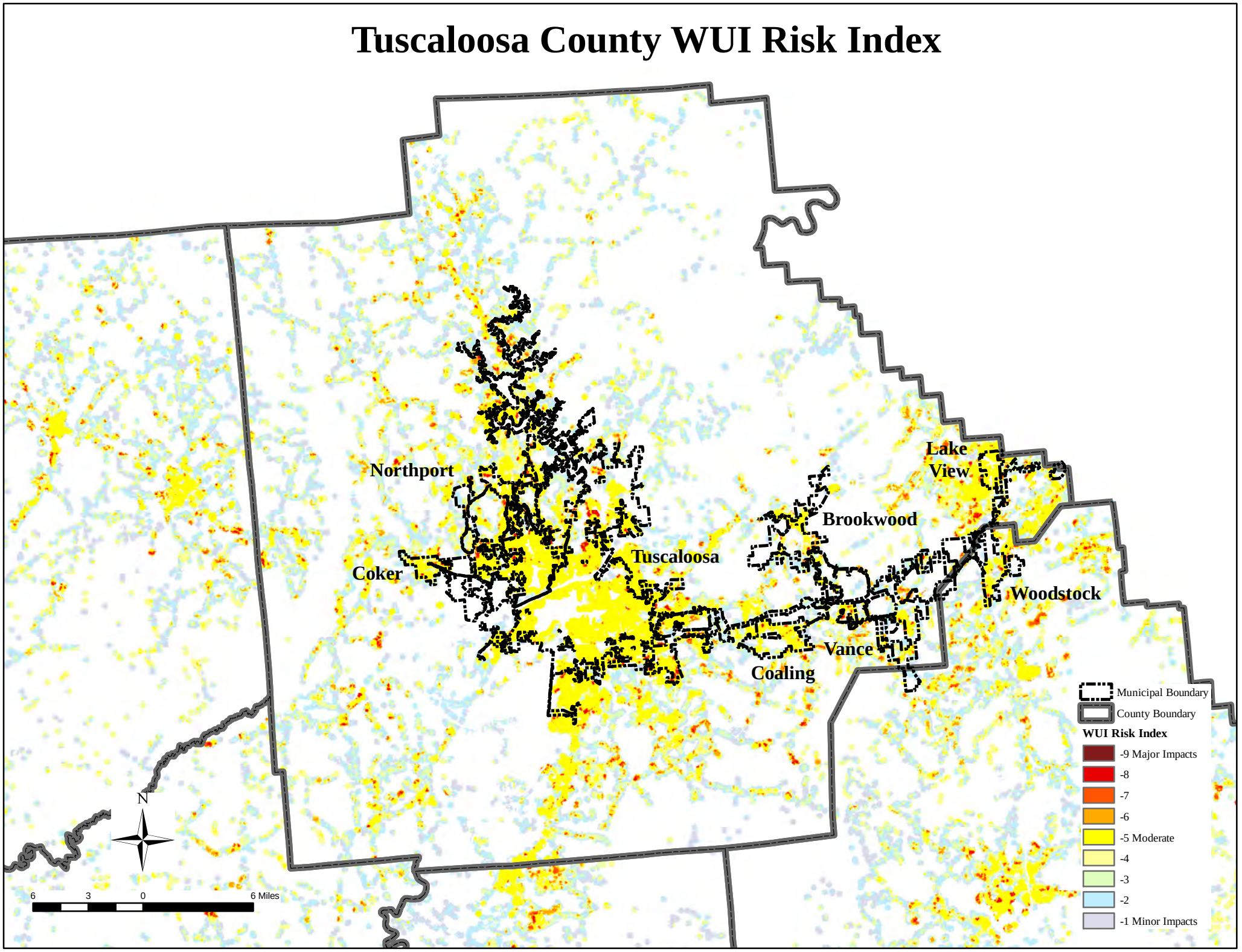
# Pickens County WUI Risk Index



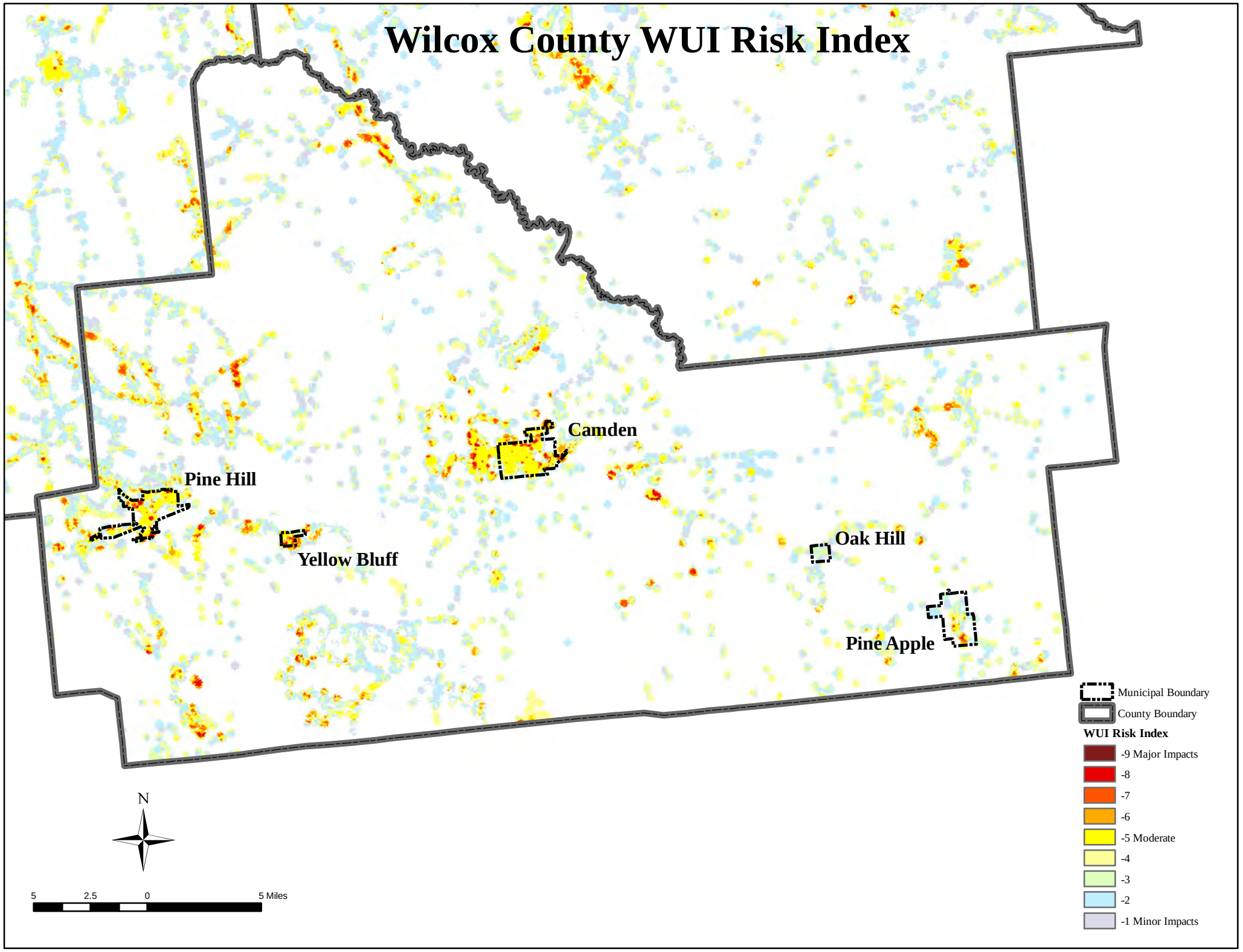
# Sumter County WUI Risk Index



# Tuscaloosa County WUI Risk Index

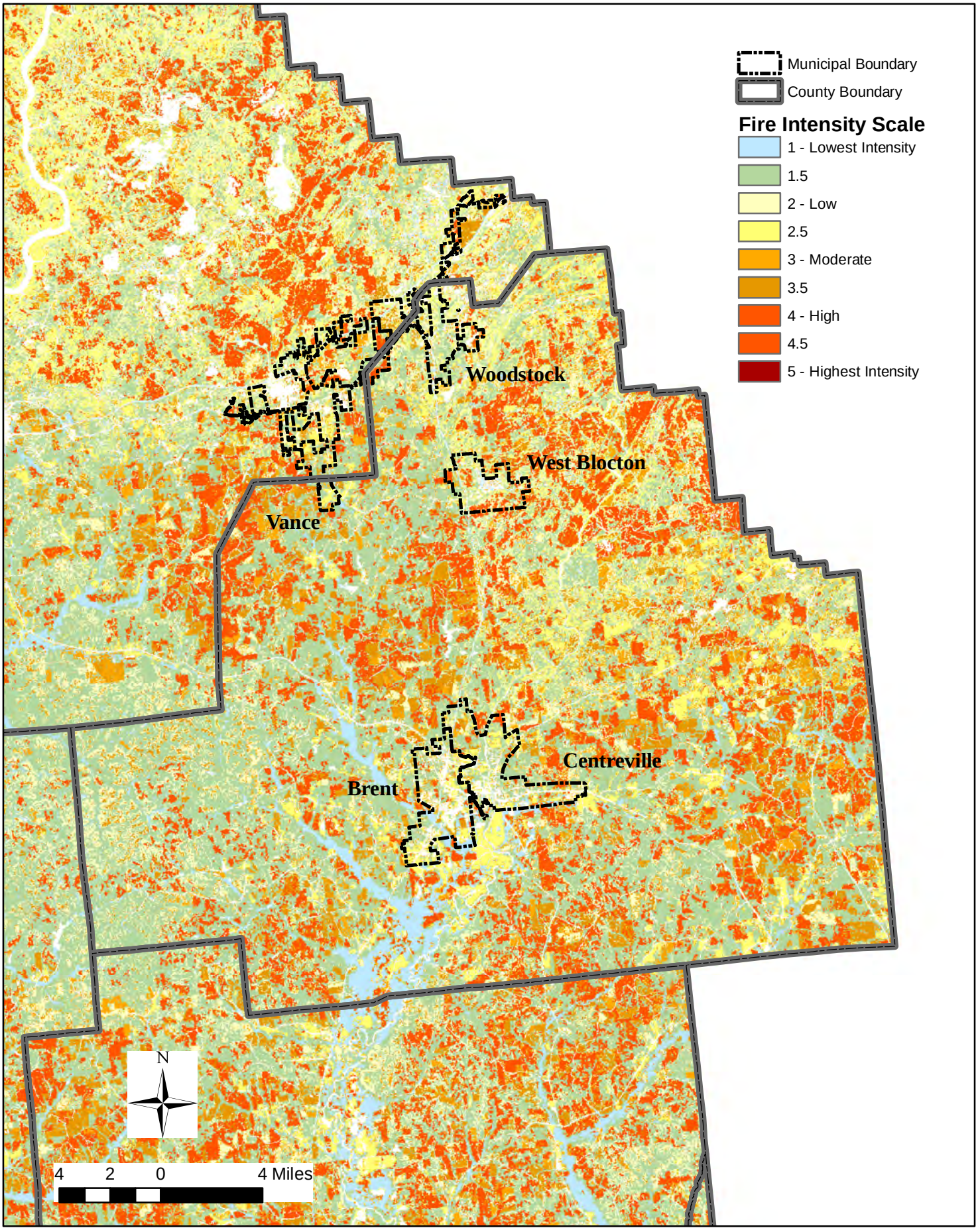


# Wilcox County WUI Risk Index

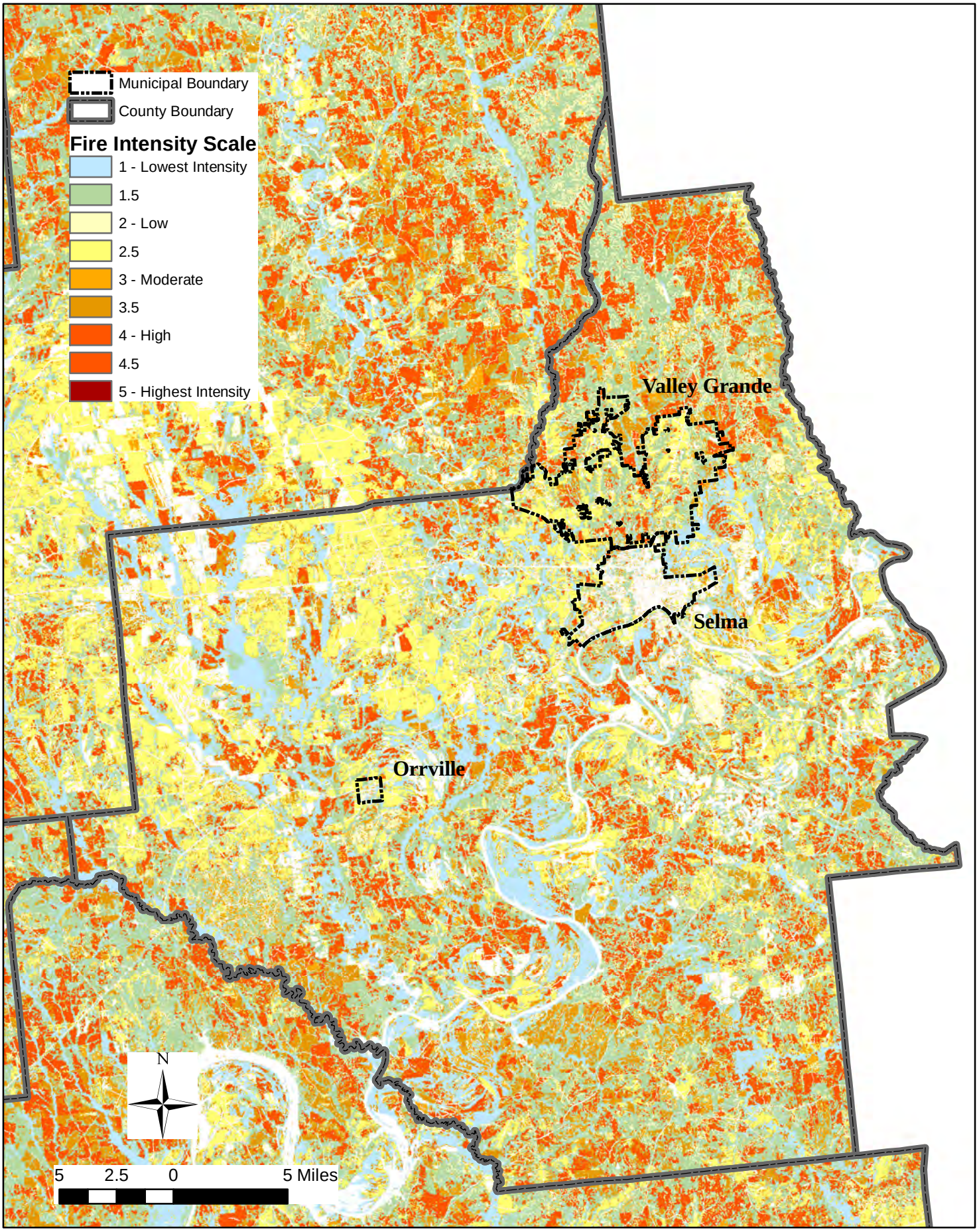


# Wildfire Intensity by Jurisdiction

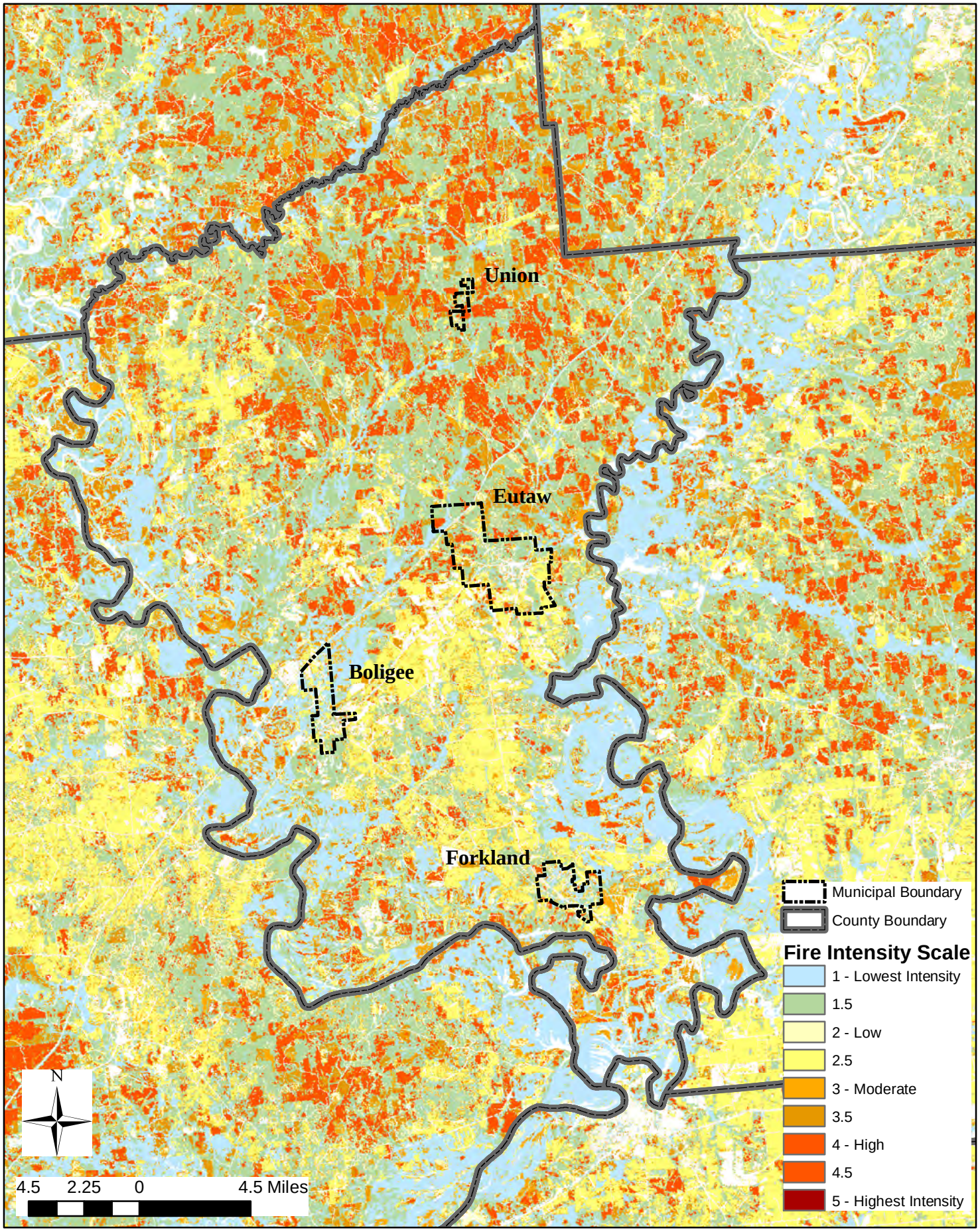
# Bibb County Fire Intensity Scale



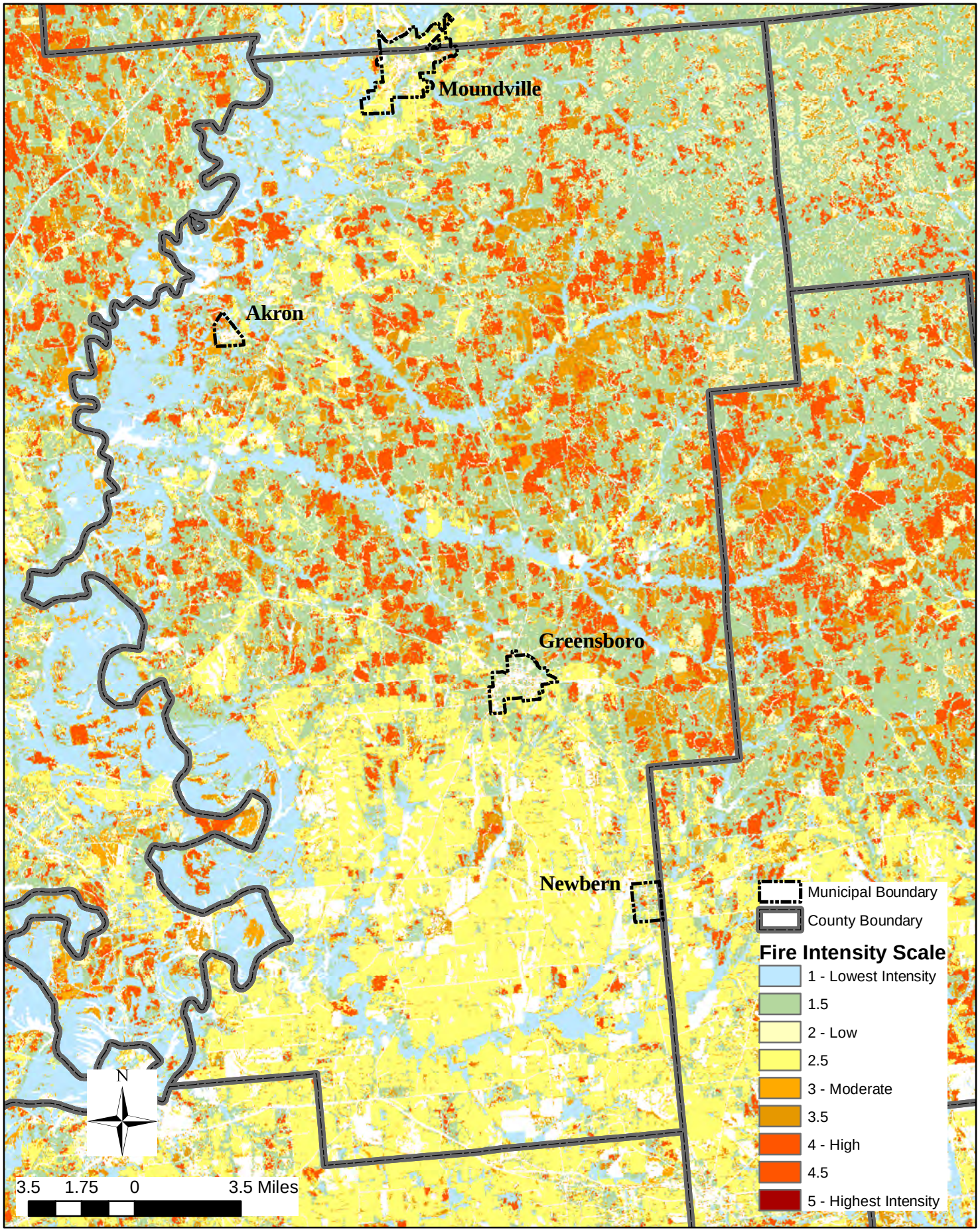
# Dallas County Fire Intensity Scale



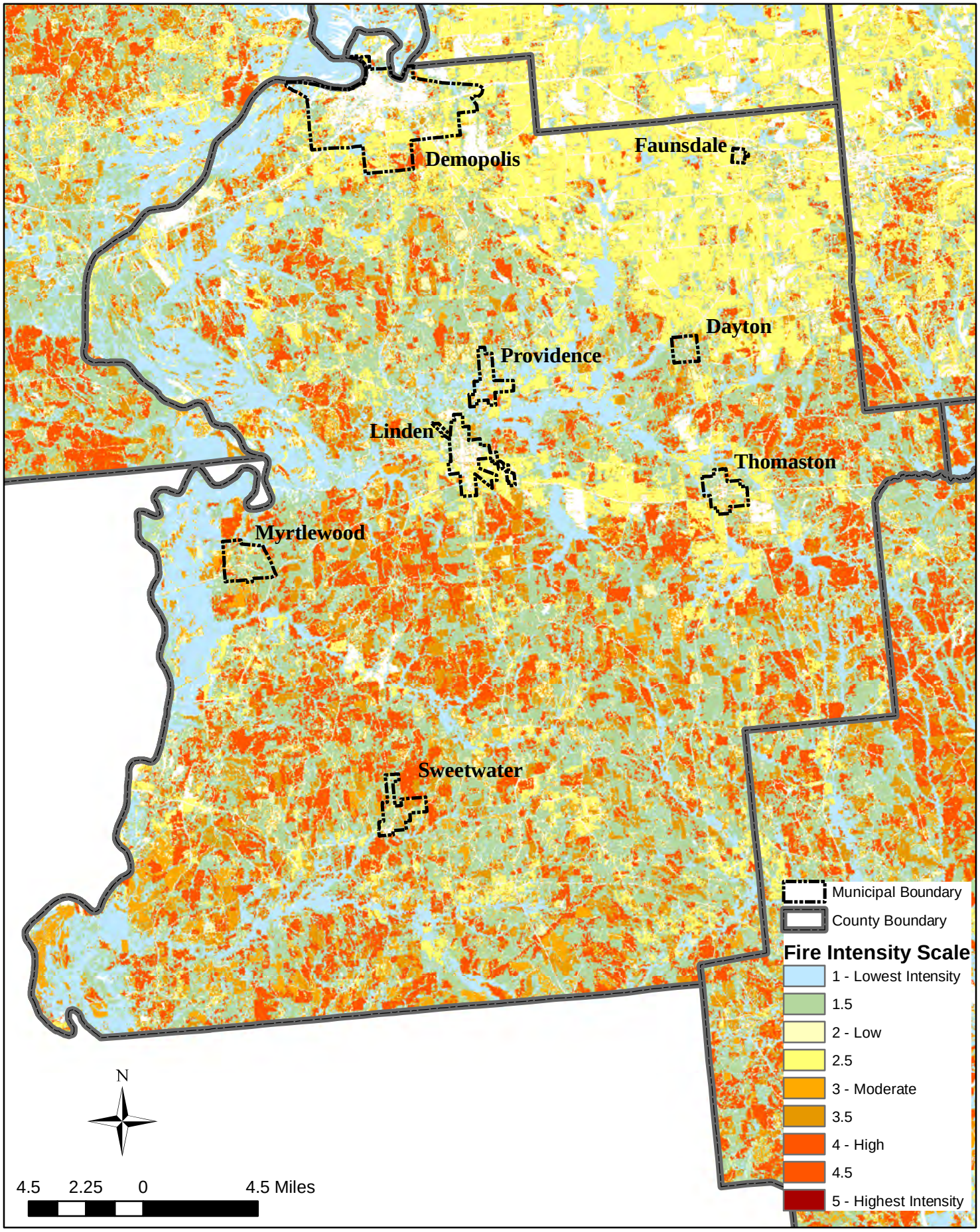
# Greene County Fire Intensity Scale



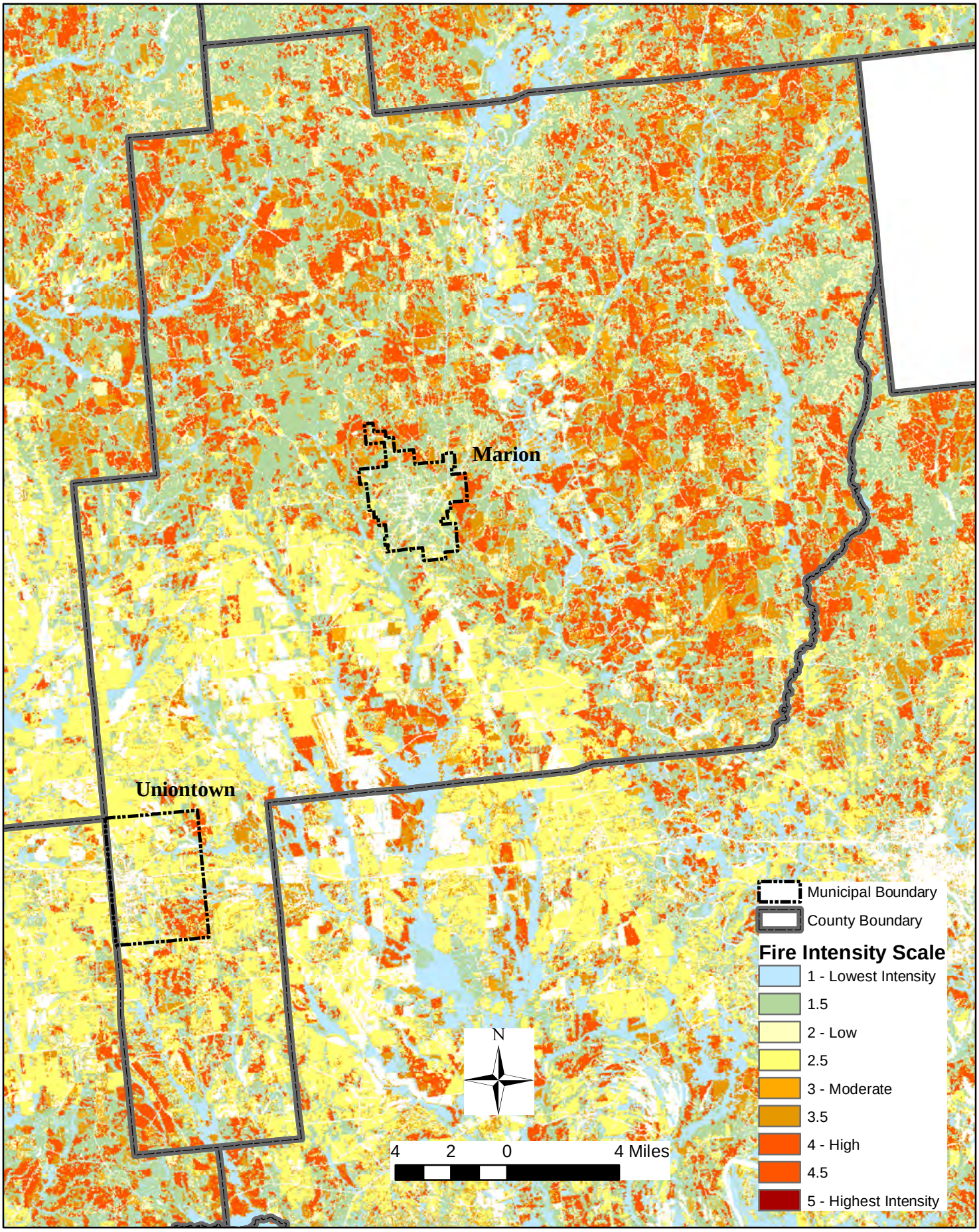
# Hale County Fire Intensity Scale



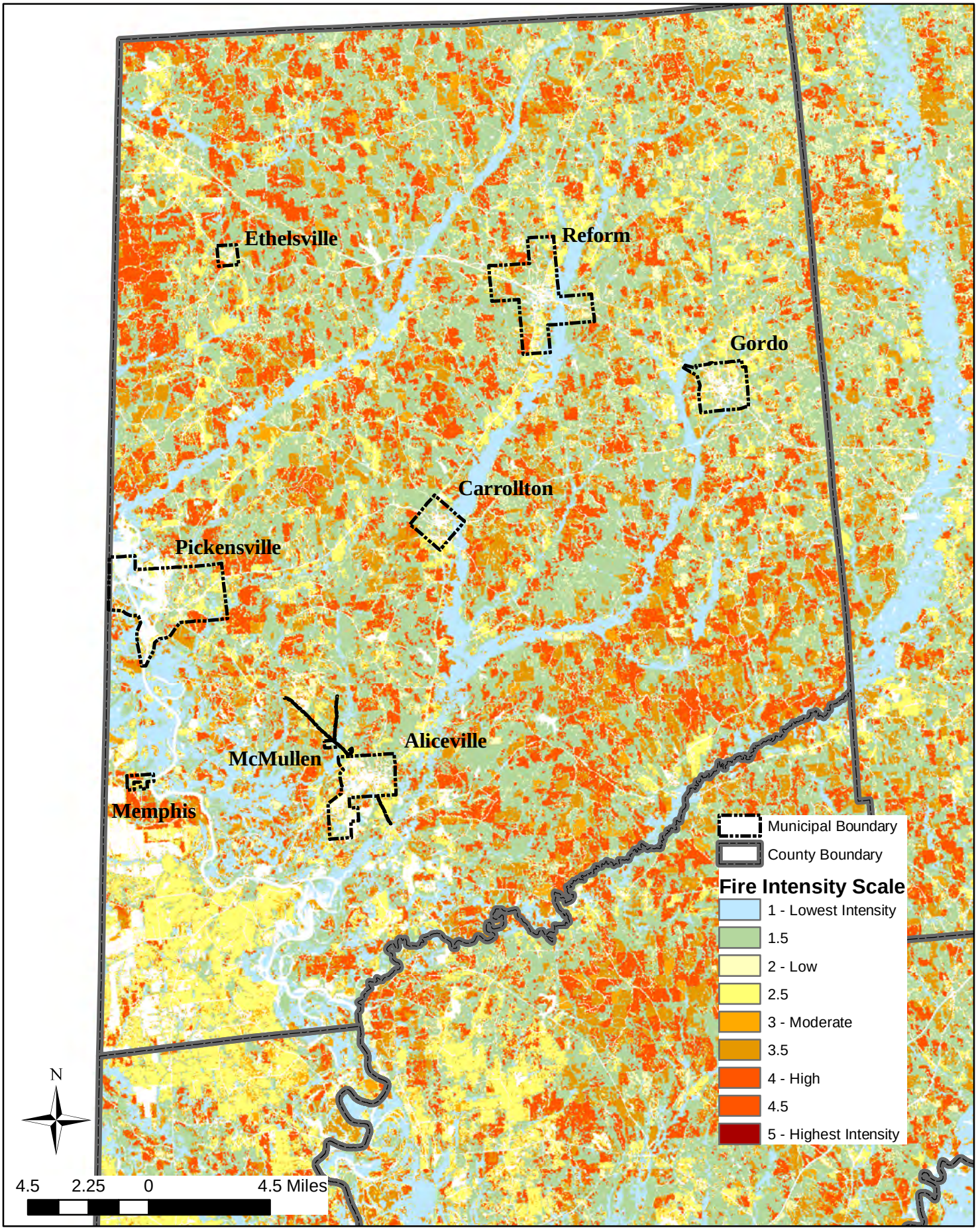
# Marengo County Fire Intensity Scale



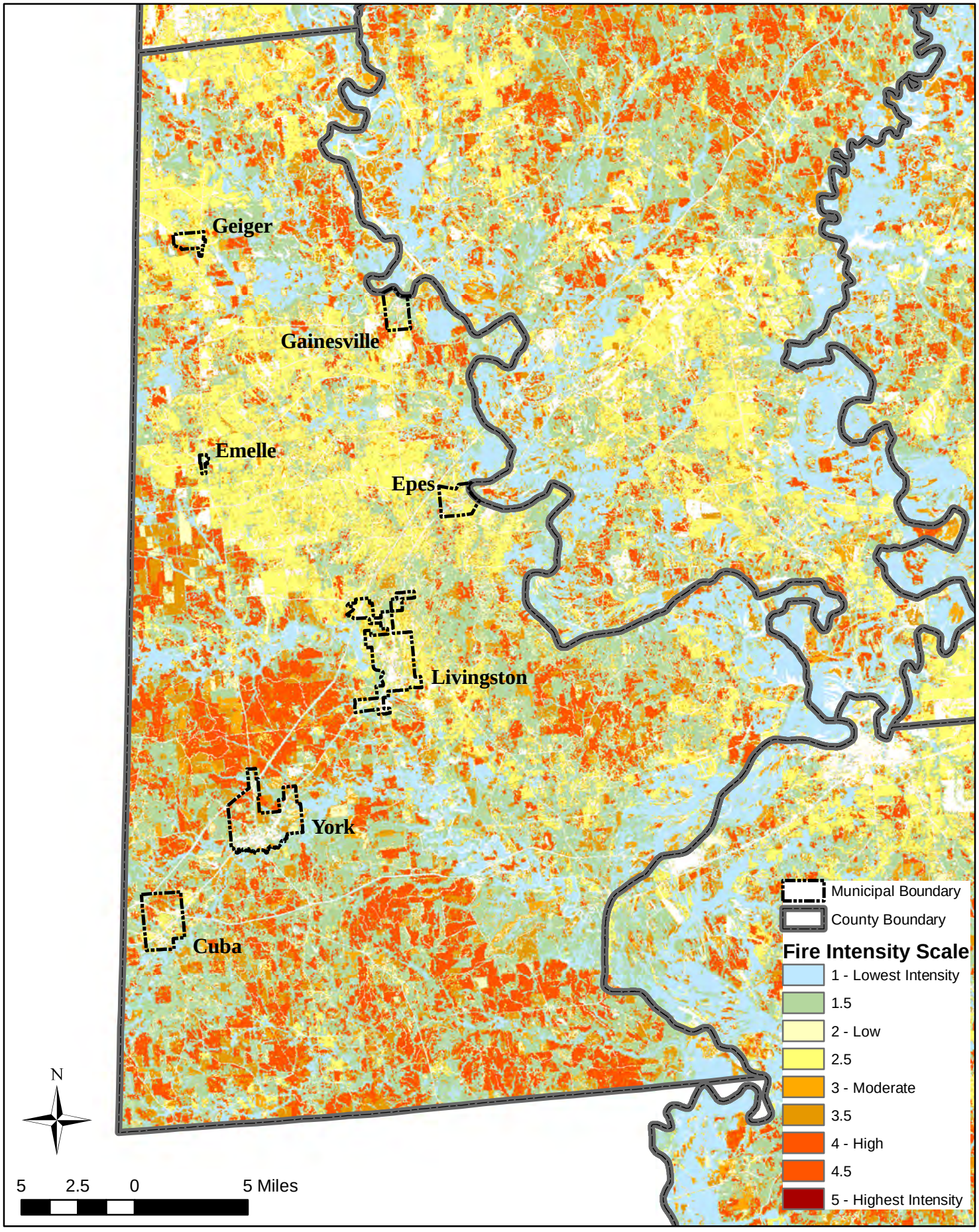
# Perry County Fire Intensity Scale



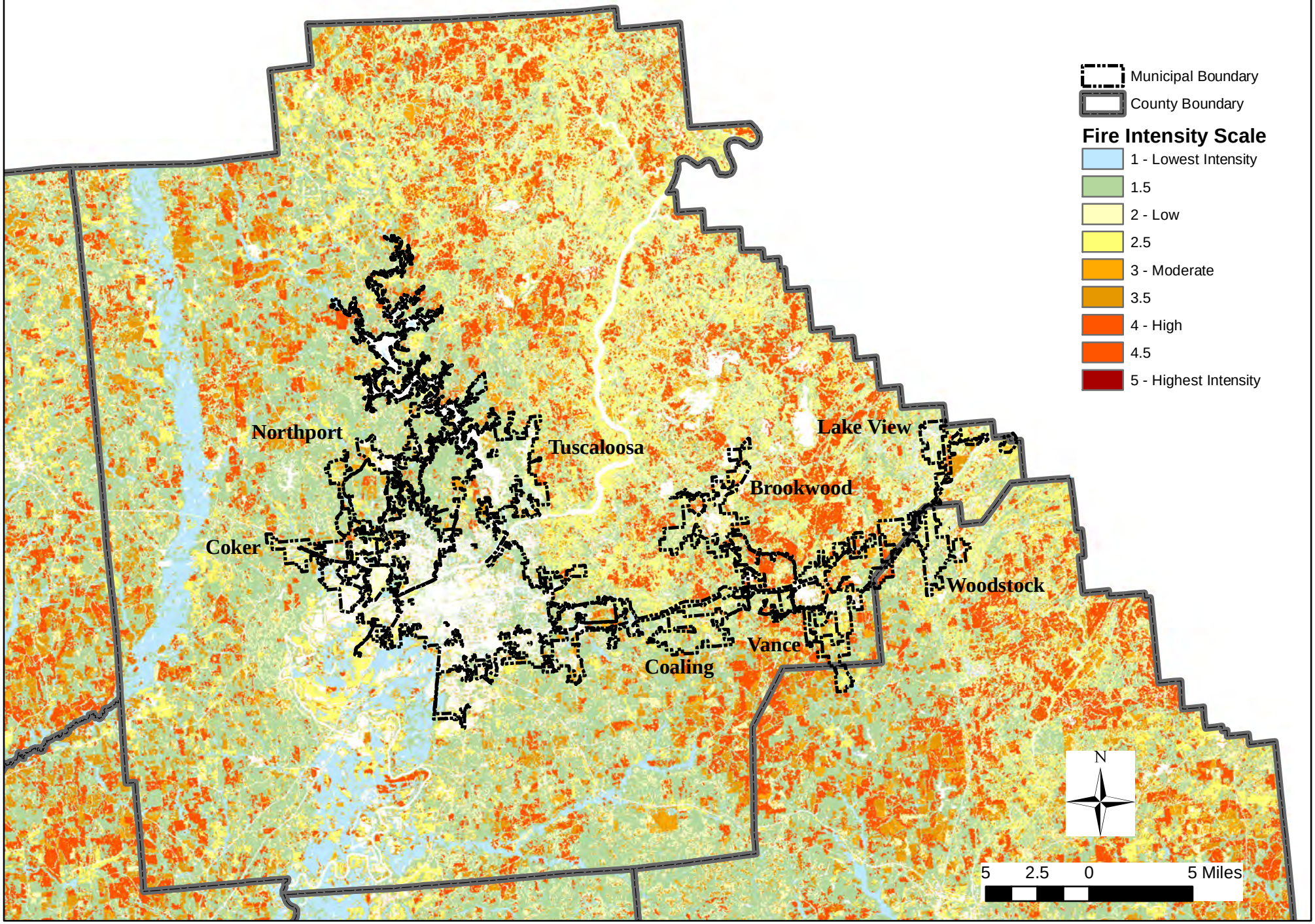
# Pickens County Fire Intensity Scale



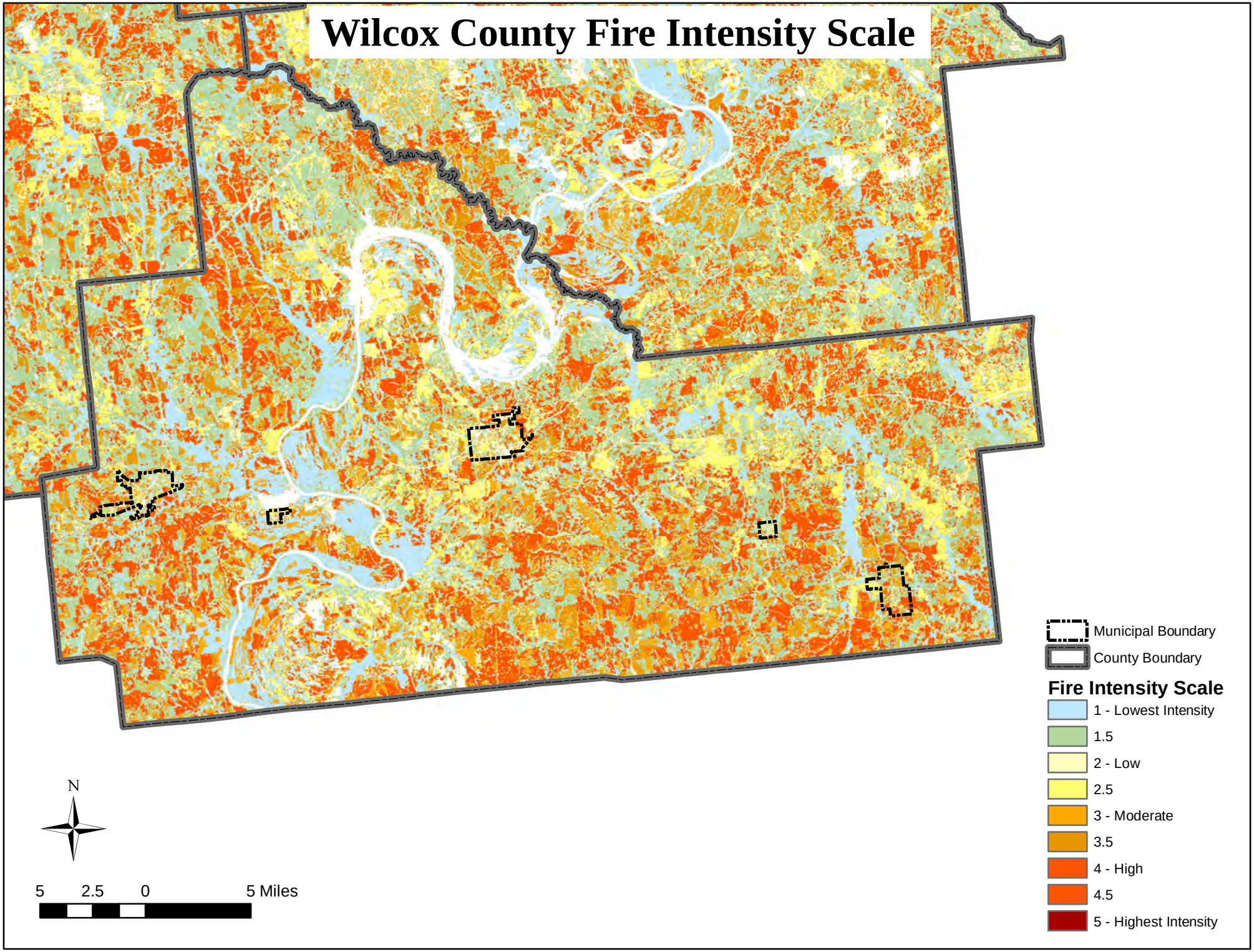
# Sumter County Fire Intensity Scale



# Tuscaloosa County Fire Intensity Scale

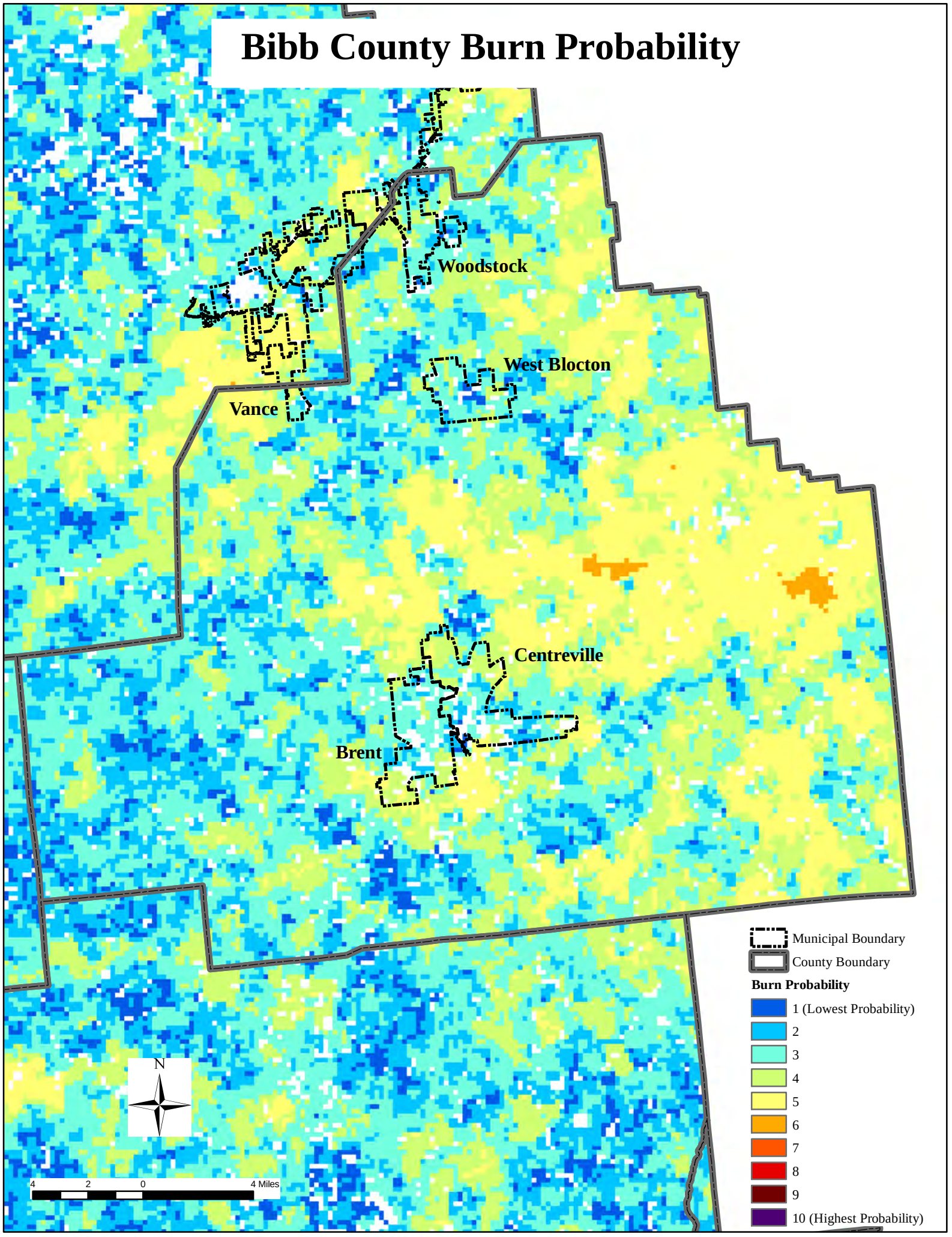


# Wilcox County Fire Intensity Scale

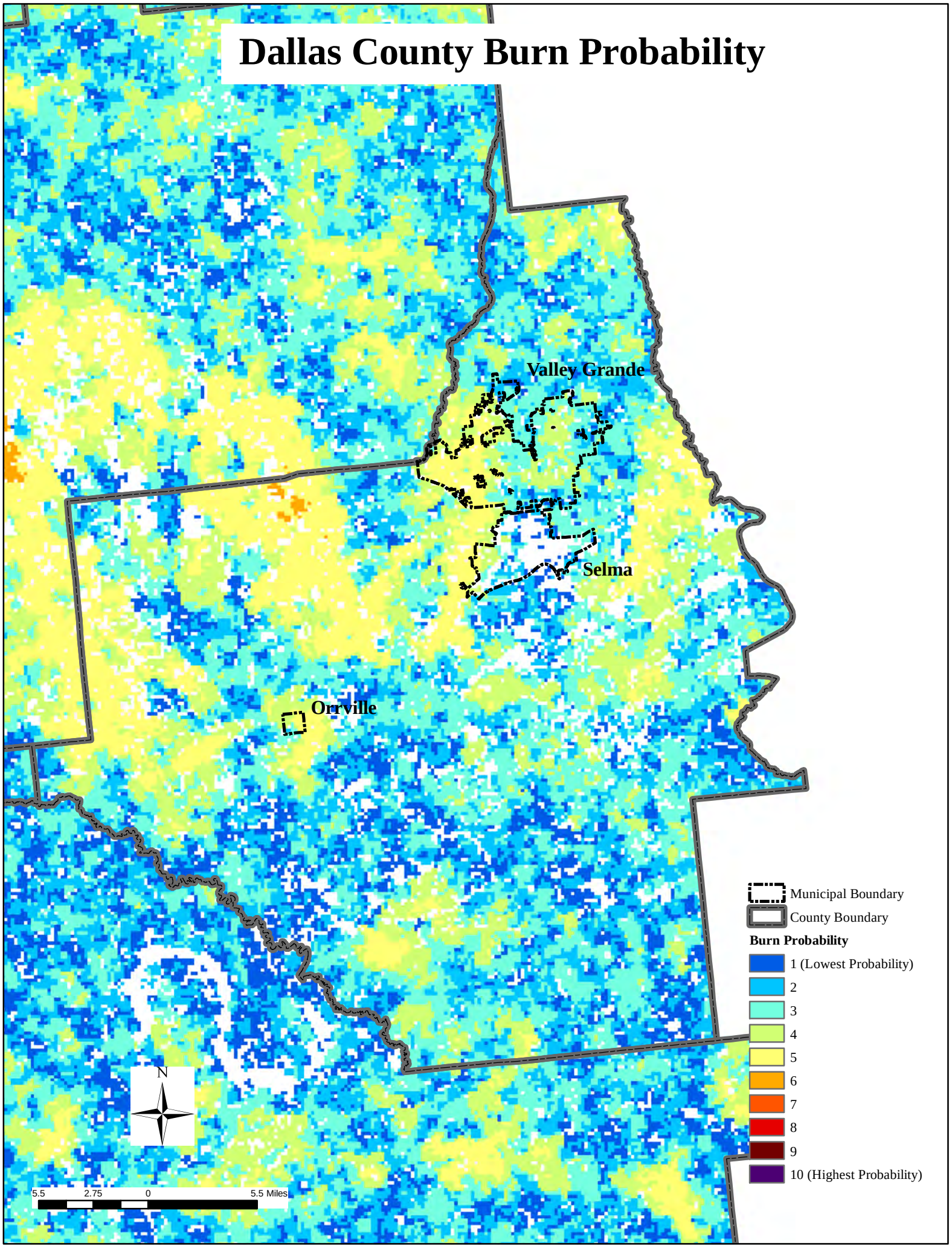


# Wildfire Burn Probability by Jurisdiction

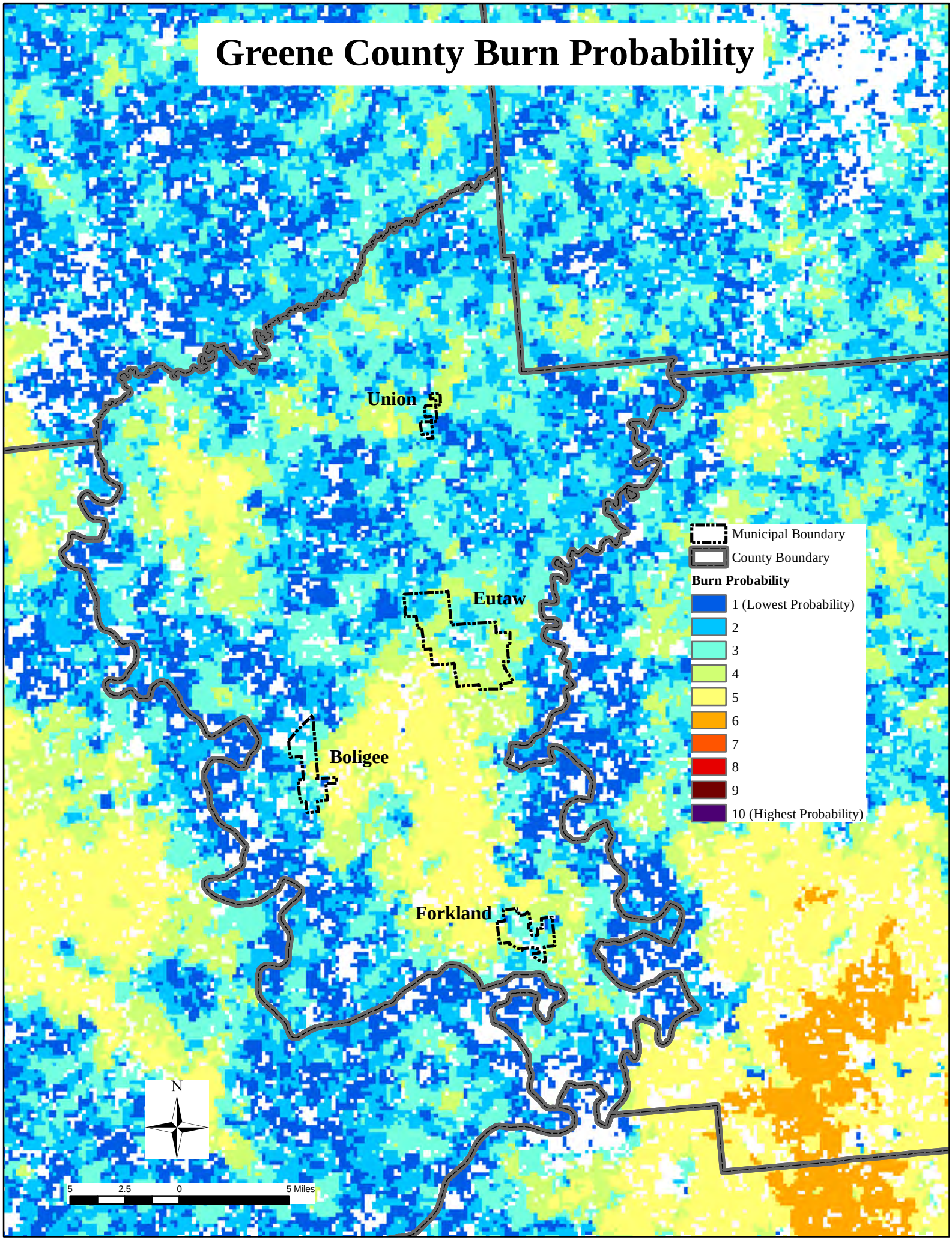
# Bibb County Burn Probability



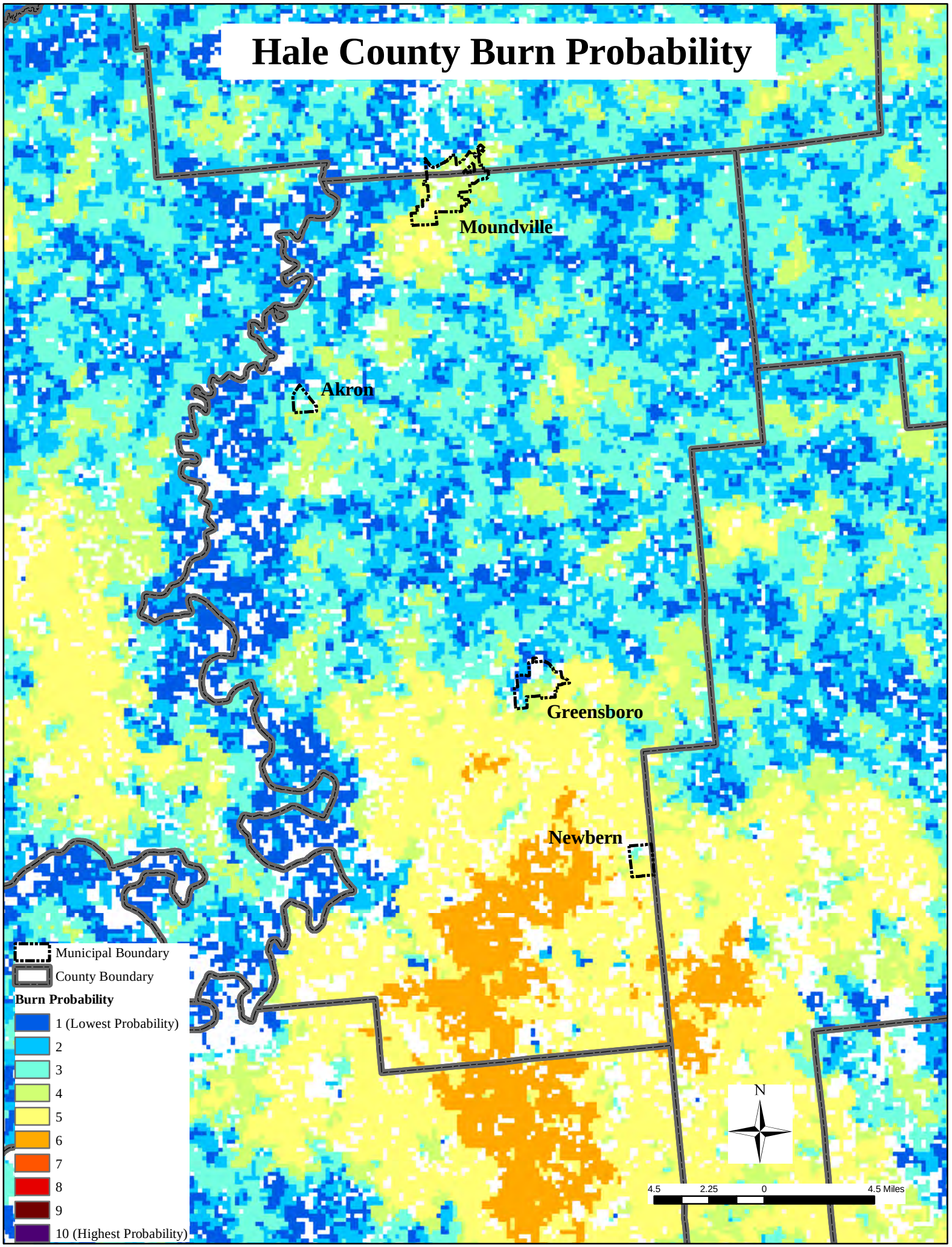
# Dallas County Burn Probability

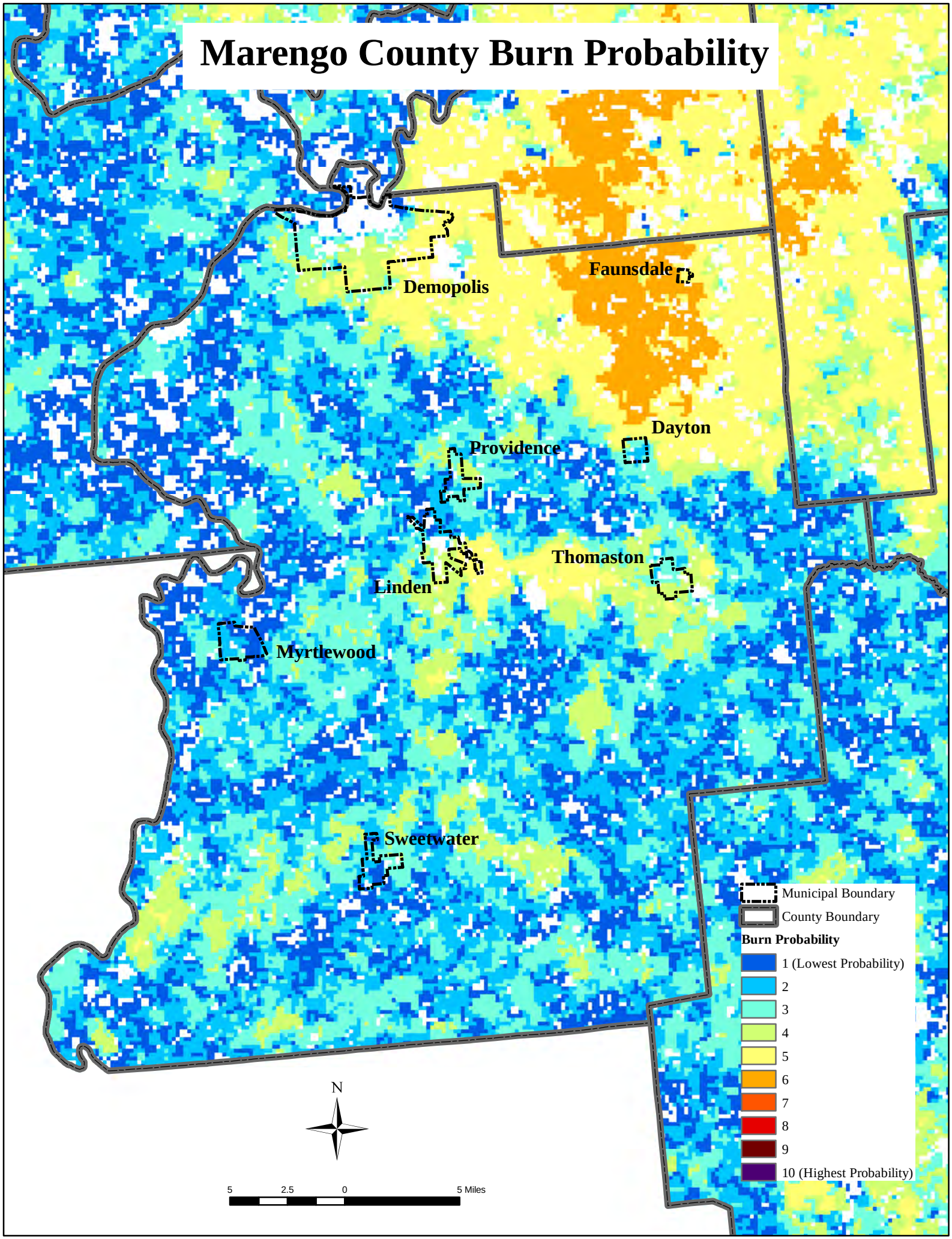


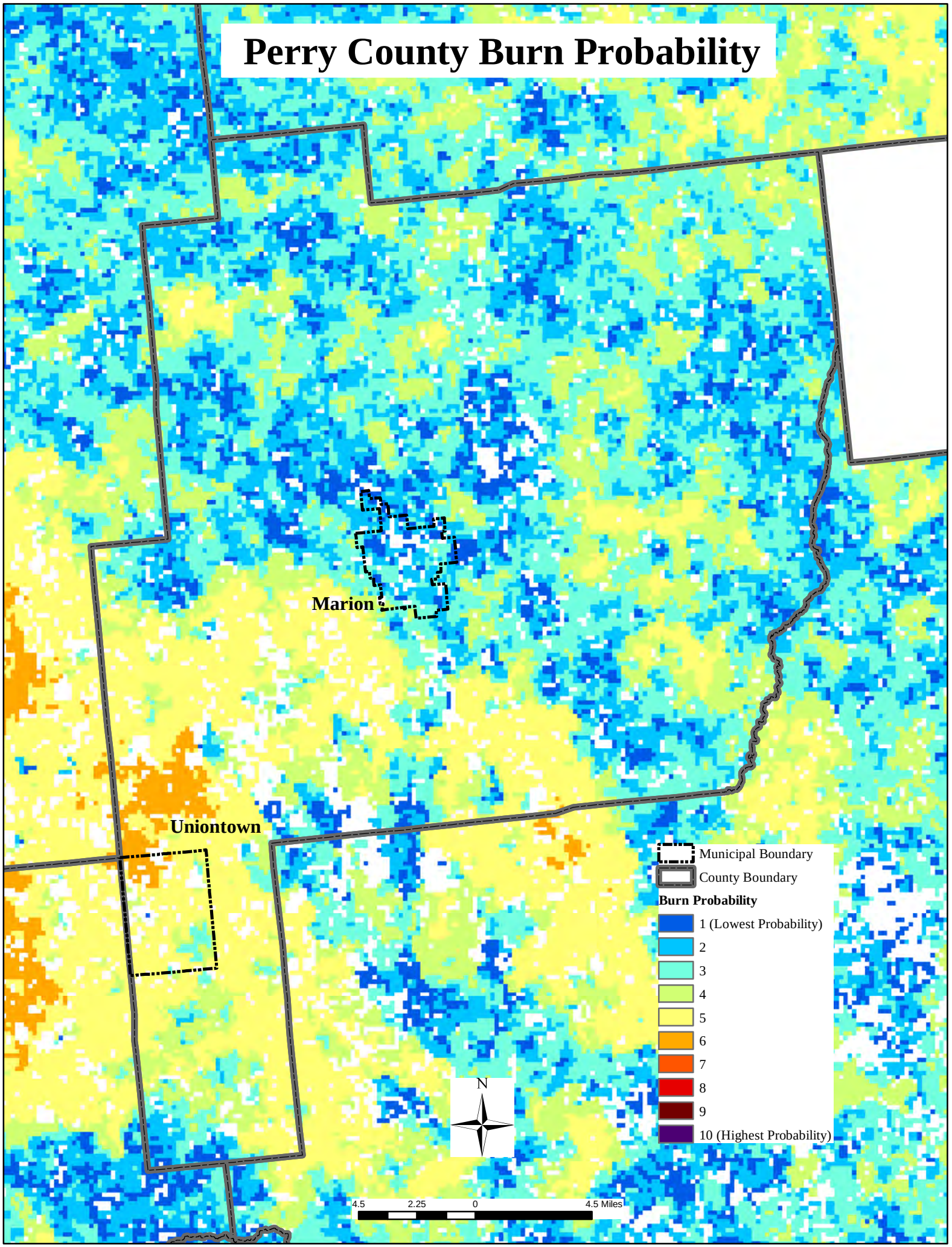
# Greene County Burn Probability



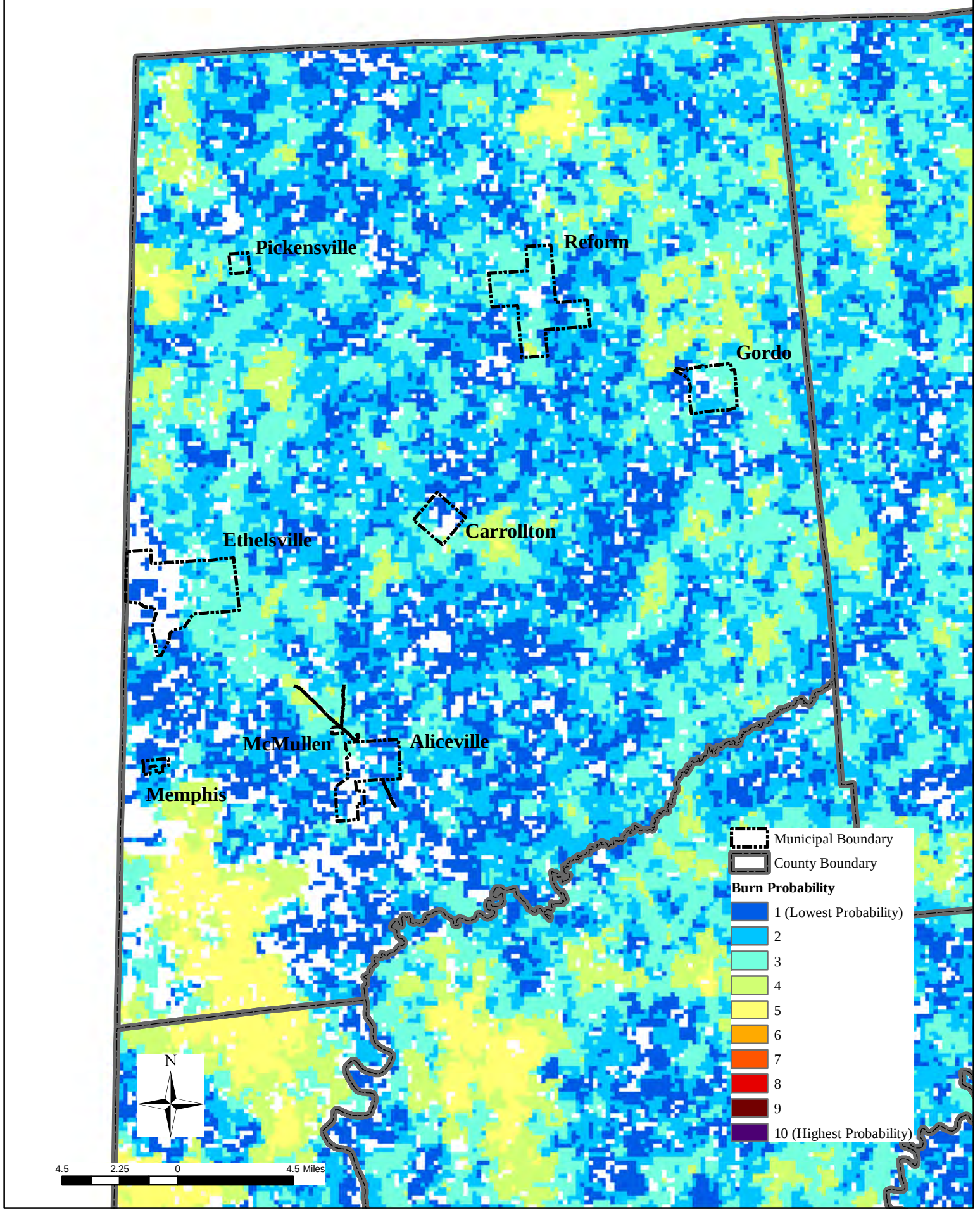
# Hale County Burn Probability



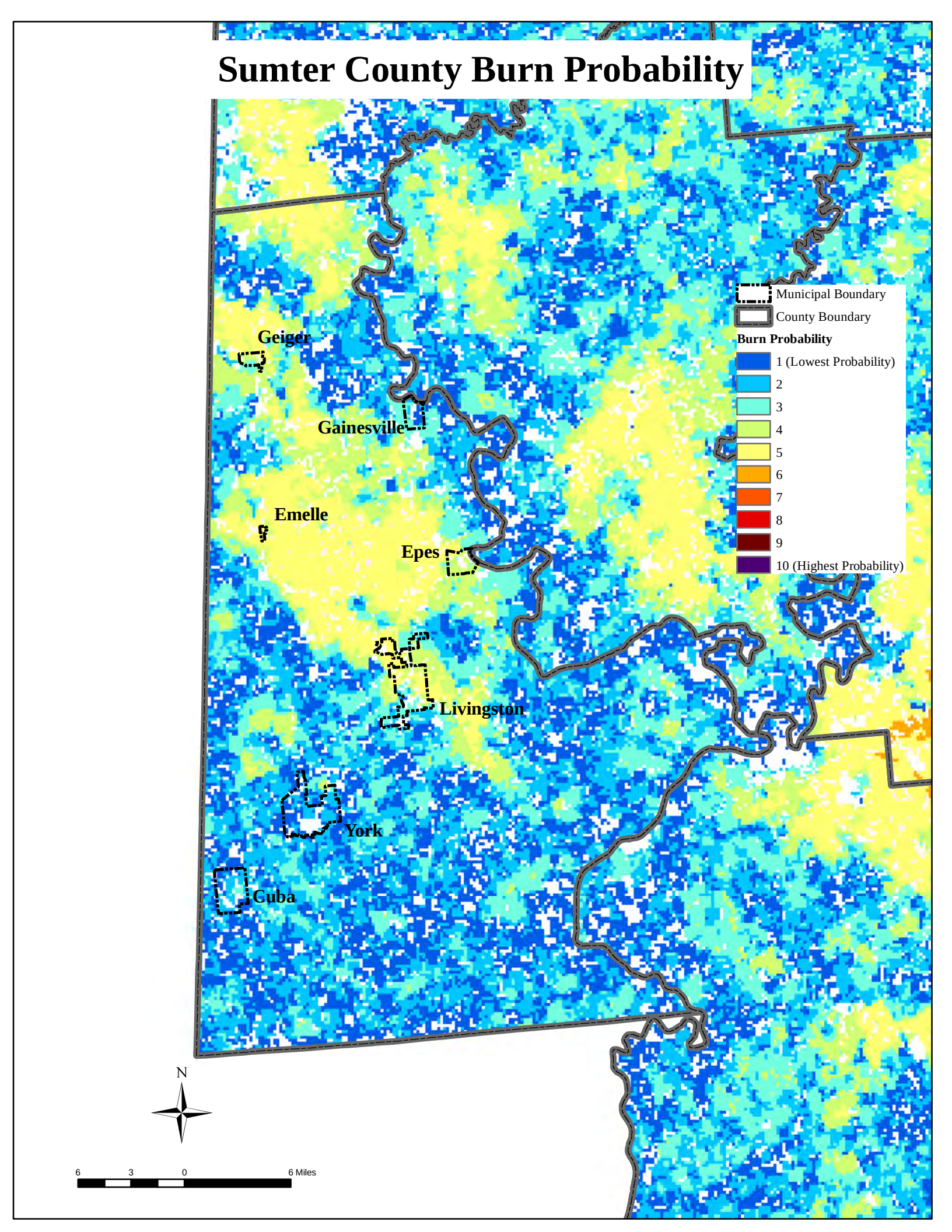

Marengo County Burn Probability
Demopolis
Faunsdale
Dayton
Providence
Thomaston
Linden
Myrtlewood
Sweetwater
Municipal Boundary
County Boundary
Burn Probability
1 (Lowest Probability)
2
3
4
5
6
7
8
9
10 (Highest Probability)
N
5
2.5
0
5 Miles


Perry County Burn Probability
Marion
Uniontown
Municipal Boundary
County Boundary
Burn Probability
1 (Lowest Probability)
2
3
4
5
6
7
8
9
10 (Highest Probability)
N
4.5
2.25
0
4.5 Miles

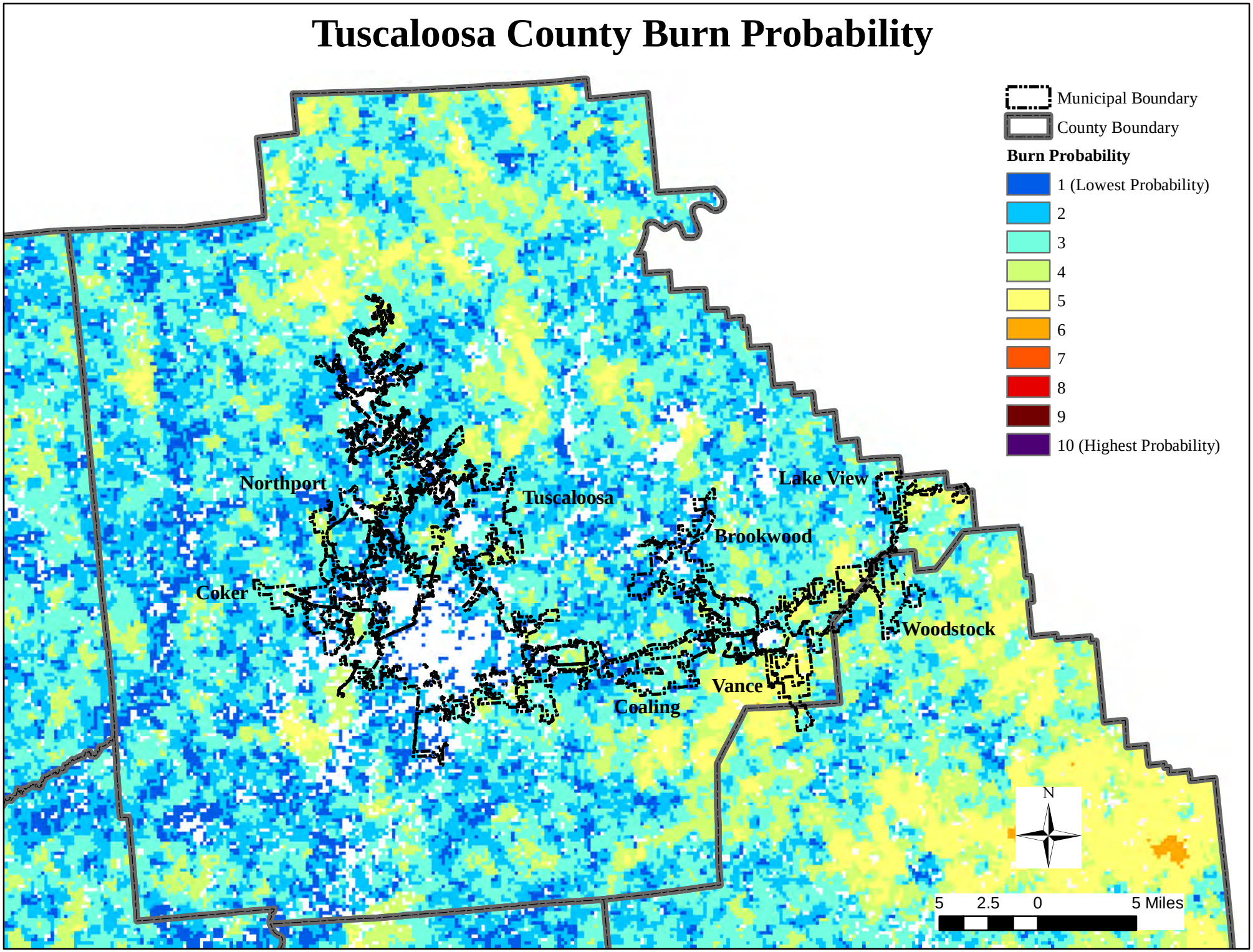
# Pickens County Burn Probability

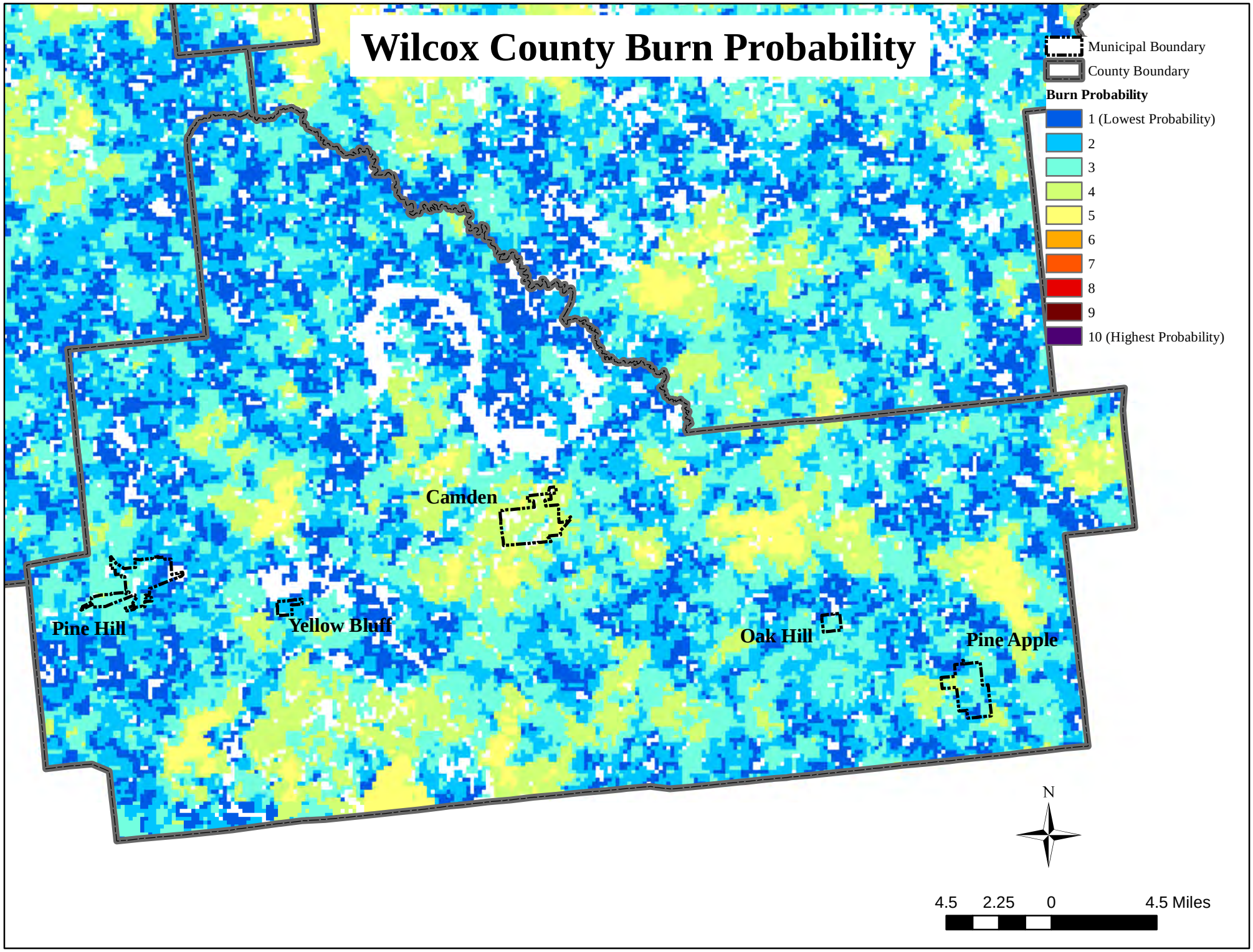


# Sumter County Burn Probability



# Tuscaloosa County Burn Probability




Wilcox County Burn Probability
Municipal Boundary
County Boundary
Burn Probability
1 (Lowest Probability)
2
3
4
5
6
7
8
9
10 (Highest Probability)
Camden
Pine Hill
Yellow Bluff
Oak Hill
Pine Apple
N
4.5 2.25 0 4.5 Miles

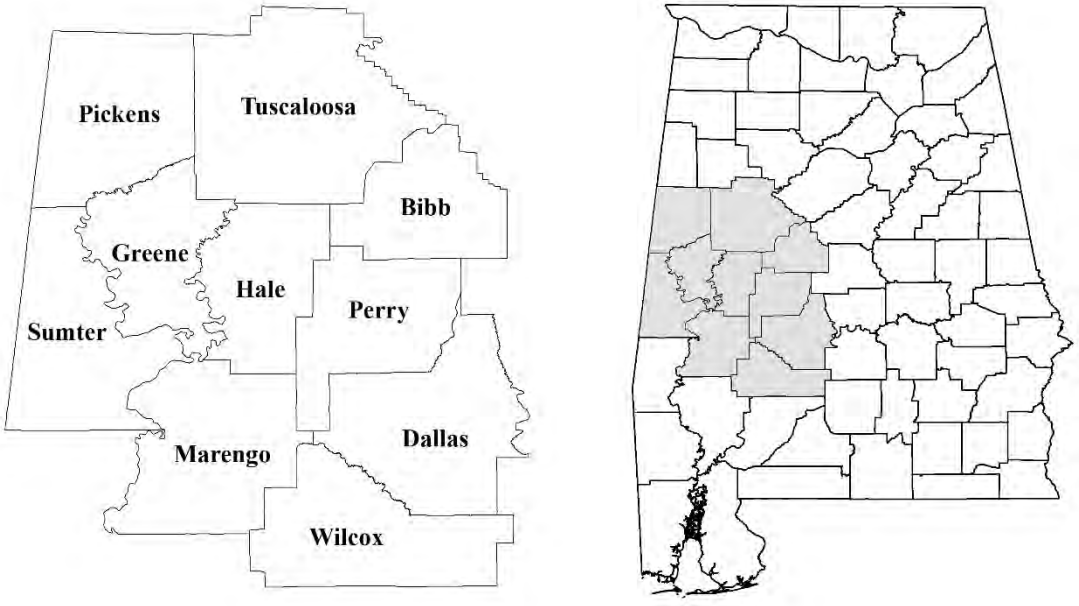
# Division C

# Regional Multi-Jurisdictional Hazard Mitigation Plan Phase II

A HAZARD MITIGATION PLAN FOR AEMA DIVISION C COUNTIES: BIBB, DALLAS, GREENE, HALE, MARENGO, PERRY, PICKENS, SUMTER, TUSCALOOSA, WILCOX, AND ELIGIBLE LOCAL JURISDICTIONS

Effective date: MARCH 24, 2021 - MARCH 23, 2026

FEMA approval letter: March 24, 2021




Adopted by ATRC & WARC

The Division C Regional Multi-Jurisdictional Hazard Mitigation Plan was developed by through a joint effort of the
Alabama Tombigbee Regional Commission and West Alabama Regional Commission in conjunction with Bibb, Dallas, Greene, Hale, Marengo, Perry, Pickens, Sumter, Tuscaloosa, and Wilcox Counties.






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# Section 1- Hazard Mitigation Plan Introduction

**Section Contents**

1.1 Plan Scope
1.2 Authority
1.3 Funding
1.4 Purpose

## 1.1 Plan Scope

The Regional Multi-Jurisdictional Hazard Mitigation Plan is intended to identify and detail the hazards that affect the Alabama Emergency Management Agency's (AEMA) Division C. This division includes the following counties and the municipalities and jurisdiction within them: Bibb, Dallas, Greene, Hale, Marengo, Perry, Pickens, Sumter, Tuscaloosa, and Wilcox.
This plan will be the first regional mitigation plan for the area. Currently, each county is covered by a multi-jurisdictional county plan. Division C counties, while diverse in many aspects, have similar risks and impacts with regards to hazards. A regional plan provides this information in a more concise and effective manner. A regional planning process provides an opportunity for participants to discuss and identify mitigation strategies to address identified hazards.

## 1.2 Authority

Hazard mitigation plans are a requirement of Section 409 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act (public Law 93-228, as amended), Title 44 Code of Federal Regulations, as amended by Part 201 of the Disaster Mitigation Act of 2000. All state and local governments must develop a Hazard Mitigation Plan as a condition of receiving non-emergency federal disaster assistance including hazard mitigation grant program (HMGP), pre-disaster mitigation (PDM), and flood mitigation assistance (FMA) program funds.

## 1.3 Funding

Funding for the AEMA Division C Regional Multi-Jurisdictional Hazard Mitigation Plan was provided through the Hazard Mitigation Grant Program (HMGP), under Disaster Recovery Declaration 4349, (DR-4349). Supplemental funding was provided by the county commissions of Bibb, Greene, Hale, Pickens, and Tuscaloosa counties, and the Alabama Tombigbee Regional Commission.

## 1.4 Purpose

The purpose of the Division C Multi-Jurisdictional Hazard Mitigation Plan is to evaluate and identify all prioritized hazards which may affect the region. Mitigation strategies that address each of the identified hazards are presented. This plan is only one of many steps Division C jurisdictions will take to achieve a safer, more hazard resistant environment for its residents.

# Section 2- Regional Profile

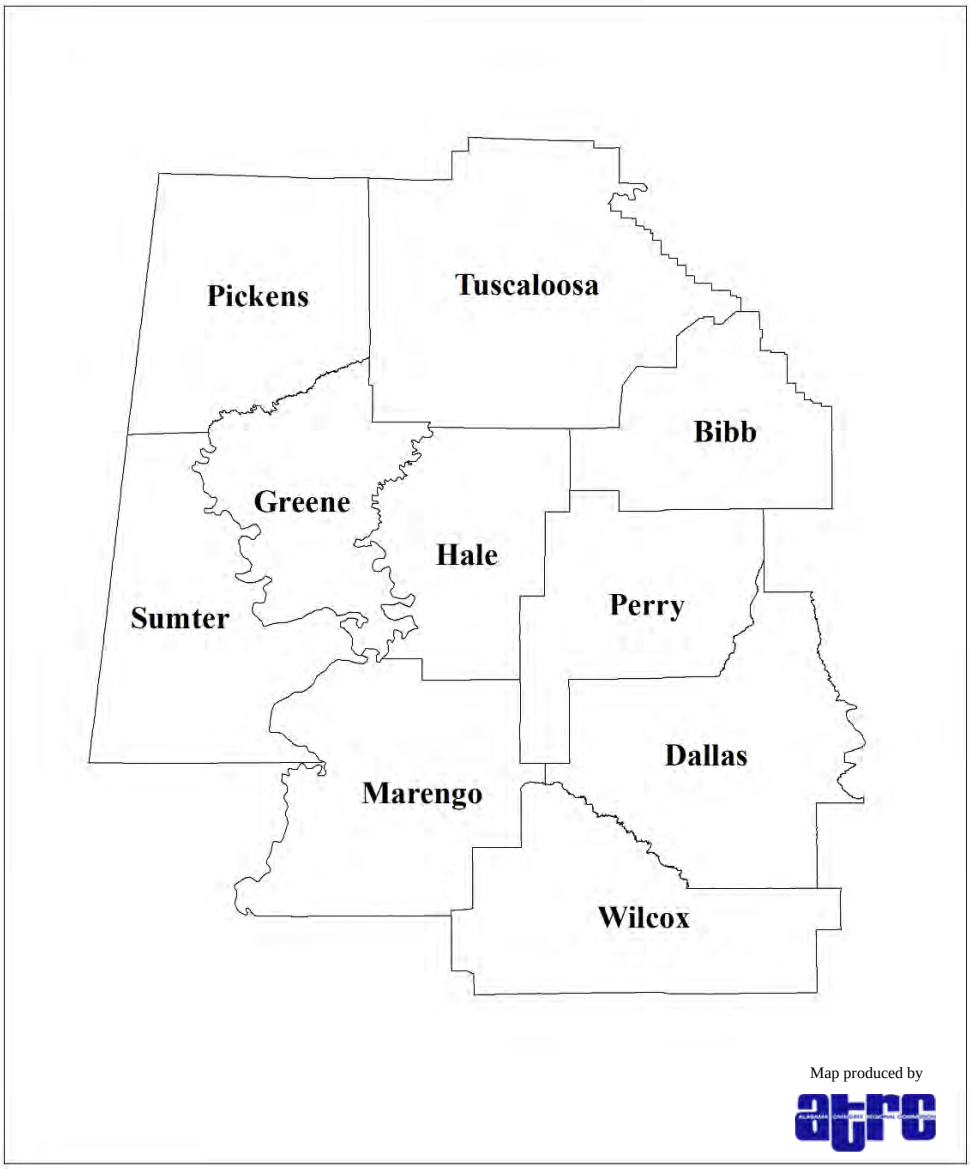
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2.1 Background
2.2 Demographics
2.3 Business and Industry
2.4 Infrastructure
2.5 Land Use and Development Trends

## 2.1 Background

The planning area for this plan is Alabama Emergency Management Agency (AEMA) Division C, one of the seven emergency management divisions within the state. AEMA Division C is located in west central Alabama (Figure 2.1). AEMA Division C includes the following counties: Bibb, Dallas, Greene, Hale, Marengo, Perry, Pickens, Sumter, Tuscaloosa, and Wilcox. Within these ten counties there are 53 municipalities.

**Figure 2.1 Alabama Emergency Management Division C Counties**




A large portion of AEMA Division C is in a region referred to as the Black Belt. The Alabama Black Belt is an area named for its dark rich soils although its identity is rooted in both its physical and cultural geography. Dallas, Greene, Hale, Marengo, Perry, Sumter, and Wilcox are considered traditional Black Belt counties.

The largest county by area in the division is Tuscaloosa County with 1,351 square miles. Bibb County is the smallest county with 626 square miles. The total land area of this region is 8,635 square miles, which is roughly 17% of the state. Table 2.1 provides the total area of each county located within the region.

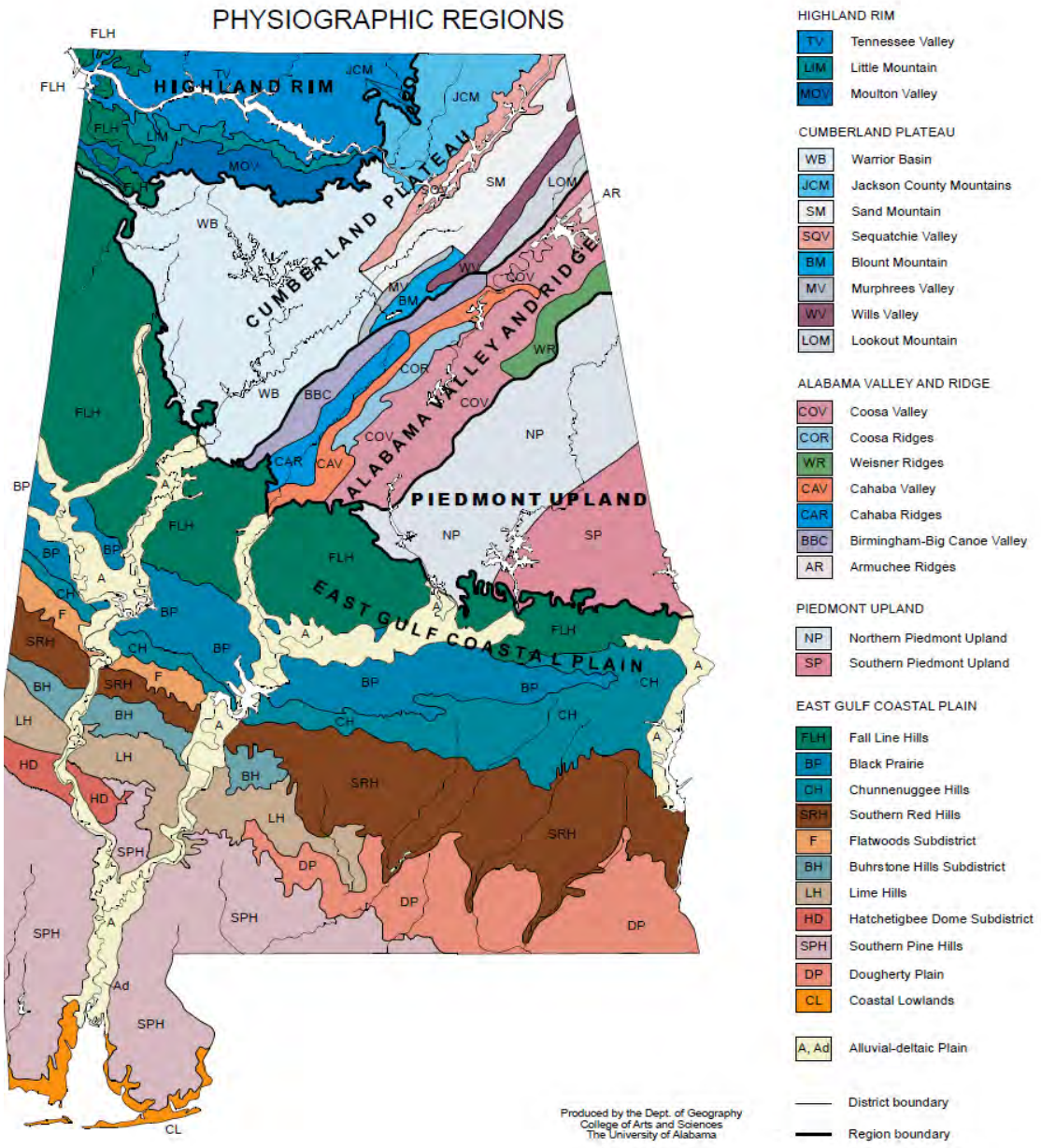
**Table 2.1: Total Area by County**

| County | Total Area |
|---|---|
| Bibb County | 626 square miles |
| Dallas County | 924 square miles |
| Greene County | 660 square miles |
| Hale County | 657 square miles |
| Marengo County | 983 square miles |
| Pickens County | 890 square miles |
| Perry County | 724 square miles |
| Sumter County | 913 square miles |
| Tuscaloosa County | 1,351 square miles |
| Wilcox County | 907 square miles |

***Source: U.S. Census Bureau***

The entire expanse of Division C lays within the East Gulf Coastal Plain physiographic region (Figure 2.2). This area developed on geologically young Mesozoic to Recent (from about 140 million years ago to the present) sedimentary rocks and sediment. Geologic units are composed of mainly of sediments and can be described as gravels, sands, silts, and clays. The Coastal Plain is flat and relatively featureless in some areas, but elsewhere it consists of as cuestas and flatwoods. Floodplains are located along the Alabama, Tombigbee, and Black Warrior river systems.

**Figure 2.2 Physiographic Regions of the State of Alabama**




***Source : http://alabamamaps.ua.edu/contemporarymaps/alabama/physical/al_physio.pdf***
***Last accessed 1/12/2020***

A number of rivers flow through Division C (Figure 2.3). The Alabama River flows southwest through Dallas and Wilcox counties. The Cahaba is a tributary of the Alabama. It flows through Bibb, Perry, and Dallas County to its confluence with the Alabama near historic Cahawba. The Tombigbee River flows southerly through Pickens, Greene, Sumter, and Marengo counties. The Sipsey River flows through Tuscaloosa, Greene, and Pickens counties. It discharges into the Tombigbee River near Vienna in Pickens County. The Noxubee River is a tributary of the

Tombigbee that flows through northwest Sumter County. The Sucarnoochee River is a tributary of the Tombigbee which flows southeasterly through central Sumter County. The Sipsey River is a tributary of the Tombigbee that flows through Tuscaloosa, Greene, and Pickens counties. It joins with the Tombigbee approximately ten miles north of Gainesville.

**Figure 2.3 Map of Major Rivers in Alabama**




***Source: https://geology.com/lakes-rivers-water/alabama.shtml***
***Last accessed 1/12/2020***

## 2.2 Demographics

According to the 2010 Census, the total population of AEMA Division C is 349,230 people. This population spans over a total area of 8,635 square miles. The populations of Division C counties varies significantly. Tuscaloosa County is the most populous county with 194,656 residents. Dallas County is the second most populous with 43,820 residents. All other counties in the

division have populations less than 25,000. The division's least populous county is Greene County with a reported population of 9,045. Table 2.2 provides population counts for all jurisdictions in AEMA Division C from the 2000 and 2010 U.S. Census.

**Table 2.2: Regional Jurisdiction Population**

| Jurisdiction | Population (2000 Census) | Population (2010 Census) | % Change |
|---|---|---|---|
| **Bibb County** | **20,826** | **22,915** | **9.12%** |
| City of Brent | 4,024 | 4,947 | 18.66% |
| City of Centreville | 2,466 | 2,778 | 11.23% |
| Town of Vance | 500 | 1,529 | 67.30% |
| Town of West Blocton | 1,372 | 1,240 | -10.65% |
| Town of Woodstock | 0 | 1,428 | 100.00% |
| **Dallas County** | **46,365** | **43,820** | **-5.81%** |
| City of Selma | 20,512 | 20,756 | 1.18% |
| City of Valley Grande | 0 | 4,020 | 100.00% |
| Town of Orville | 230 | 204 | -12.75% |
| **Greene County** | **9,974** | **9,045** | **-10.27%** |
| City of Eutaw | 0 | 2,934 | 100.00% |
| Town of Boligee | 369 | 328 | -12.50% |
| Town of Forkland | 629 | 649 | 3.08% |
| Town of Union | 227 | 237 | 4.22% |
| **Hale County** | **17,185** | **15,760** | **-9.04%** |
| City of Greensboro | 2,731 | 2,497 | -9.37% |
| City of Moundville | 1,809 | 2,427 | 25.46% |
| Town of Akron | 521 | 356 | -46.35% |
| Town of Newbern | 231 | 186 | -24.19% |
| **Marengo County** | **22,539** | **21,027** | **-7.19%** |
| City of Demopolis | 7,540 | 7,483 | -0.76% |
| City of Linden | 2,424 | 2,123 | -14.18% |
| Town of Dayton | 60 | 52 | -15.38% |
| Town of Faunsdale | 87 | 98 | 11.22% |
| Town of Myrtlewood | 139 | 130 | -6.92% |
| Town of Providence | 311 | 223 | -39.46% |
| Town of Sweet Water | 234 | 258 | 9.30% |
| Town of Thomaston | 383 | 417 | 8.15% |
| **Perry County** | **11,861** | **10,591** | **-11.99%** |
| City of Marion | 3,511 | 3,686 | 4.75% |
| City of Uniontown | 1,636 | 1,775 | 7.83% |

| Table 2.2: Regional Jurisdiction Population (continued) | | | |
|---|---|---|---|
| **Jurisdiction** | **Population (2000 Census)** | **Population (2010 Census)** | **% Change** |
| **Pickens County** | **20,949** | **19,746** | **-6.09%** |
| City of Aliceville | 2,567 | 2,486 | -3.26% |
| Town of Ethelsville | 81 | 81 | 0.00% |
| Town of Carrollton | 987 | 1,019 | 3.14% |
| Town of Gordo | 1,677 | 1,750 | 4.17% |
| Town of McMullen | 66 | 10 | -560.00% |
| Town of Memphis | 33 | 29 | -13.79% |
| Town of Pickensville | 662 | 608 | -8.88% |
| Town of Reform | 1,978 | 1,702 | -16.22% |
| **Sumter County** | **14,798** | **13,763** | **-7.52%** |
| City of Livingston | 3,297 | 3,485 | 5.39% |
| City of York | 2,854 | 2,538 | -12.45% |
| Town of Cuba | 363 | 346 | -4.91% |
| Town of Emelle | 31 | 53 | 41.51% |
| Town of Epes | 206 | 192 | -7.29% |
| Town of Gainsville | 220 | 208 | -5.77% |
| Town of Geiger | 161 | 170 | 5.29% |
| **Tuscaloosa County** | **164,875** | **194,656** | **18%** |
| City of Northport | 19,435 | 23,330 | 16.70% |
| City of Tuscaloosa | 77,906 | 90,468 | 13.89% |
| Town of Brookwood | 1,483 | 1,828 | 18.87% |
| Town of Coaling | 1,115 | 1,657 | 32.71% |
| Town of Coker | 808 | 979 | 17.47% |
| Town of Lakeview | 163 | 143 | -13.99% |
| Town of Vance | 500 | 1,529 | 67.30% |
| **Wilcox County** | **13,183** | **11,670** | **-12.96%** |
| City of Camden | 2,257 | 2,020 | -11.73% |
| Town of Pine Hill | 966 | 975 | 0.92% |
| Town of Pine Apple | 145 | 132 | -9.85% |
| Town of Oak Hill | 37 | 26 | -42.31% |
| Town of Yellow Bluff | 181 | 188 | 3.72% |
| **Division C Totals** | **266,475** | **349,230** | **23.70%** |

***Source: U.S. Census Bureau (2000 and 2010)***

Based on the 2010 U.S. Census, the median age for residents in the Division C planning region 38.5 years. Racial and ethnic characteristics from the 2010 U.S. Census are provided by county in Table 2.3.

**Table 2.3 Racial and Ethnic Demographics by County**

| County | White% | Black% | Other % | Hispanic % (*) |
|---|---|---|---|---|
| Bibb County | 76.6% | 22.4% | 1% | 1.8% |
| Dallas County | 29.1% | 69.4% | 1.5% | 0.7% |
| Greene County | 17.4% | 81.5% | 1.1% | 0.8% |
| Hale County | 39.8% | 59% | 1.2% | 0.9% |
| Marengo County | 46.4% | 51.7% | 1.9% | 1.7% |
| Pickens County | 56.3% | 41.6% | 2.1% | 1.6% |
| Perry County | 30.3% | 68.7% | 1% | 1.1% |
| Sumter County | 24.2% | 75% | 0.8% | 0.6% |
| Tuscaloosa County | 66.3% | 29.6% | 4.1% | 3.1% |
| Wilcox County | 26.8% | 72.5% | 0.7% | 0.6% |

***Source: U.S. Census Bureau (2010)***
****Hispanic Population may be of any race.***

Housing information estimates, including more vulnerable housing such as mobile homes and aging housing, are presented in Table 2.4.

**Table 2.4 Housing Demographics by County**

| County | Housing Units | Mobile Homes (%) | Housing 35 Years + (%) |
|---|---|---|---|
| Bibb County | 9,112 | 27.7% | 58% |
| Dallas County | 20,309 | 19.7% | 39% |
| Greene County | 5,056 | 40% | 48% |
| Hale County | 7,753 | 36% | 49% |
| Marengo County | 10,307 | 24% | 48% |
| Pickens County | 9,538 | 22.8% | 48% |
| Perry County | 4,748 | 22.8% | 36% |
| Sumter County | 6,833 | 30.2% | 52% |
| Tuscaloosa County | 89,419 | 9.9% | 62% |
| Wilcox County | 5,709 | 36.2% | 59% |

***Source: US Census Bureau American Community Survey 2013-2017***

Unemployment rates for counties in Division C vary. Through October 2019, unemployment rates vary from a low of 2.9% in Tuscaloosa County to a high of 7.7% in Wilcox County. Table 2.5 provides unemployment rates by county for the entire division.

**Table 2.5 Average Unemployment Rates by County**

| County | Unemployment Rate (2019 through October) |
|---|---|
| Bibb County | 3.3% |
| Dallas County | 6.0% |
| Greene County | 6.1% |
| Hale County | 4.3% |
| Marengo County | 3.9% |
| Pickens County | 3.8% |
| Perry County | 5.7% |
| Sumter County | 4.9% |
| Tuscaloosa County | 2.9% |
| Wilcox County | 7.7% |

***Source: Alabama Department of Labor (2019)***

## 2.3 Business and Industry

Division C has a wide variety of both commercial and industrial stakeholders. The planning region is strategically located along Interstate 20/59 and several federal and state highways transect the area. The region includes a number of navigable inland waterways, regional airports, and railroad lines. Within the planning region there is a diversified economic base which includes manufacturing, agriculture, forestry, retail trade, healthcare, and food services. Tuscaloosa County is home to the most commercial and industrial entities in the region. Tuscaloosa County houses the Mercedes-Benz U.S. International Assembly Plant that has one of the highest capital investments in the state, which is more than $6 billion U.S. dollars. This plant employs over 4,000 people. Michelin/BF Goodrich and Phifer, Inc., both located in Tuscaloosa County, are manufacturers that employ over 1,000 individuals. Table 2.6 provides information on major employers in Division C.

**Table 2.6 Major Employers in AEMA Division C***

| Employer | County | Product | Employees |
|---|---|---|---|
| The University of Alabama | Tuscaloosa | Higher Education | 11,403 |
| Mercedes-Benz U.S. International, Inc. | Tuscaloosa | Automobiles (SUV) | 3,900 |
| DCH Regional Medical Center | Tuscaloosa | Medical Services | 3,315 |
| County Board of Education | Tuscaloosa | Public Education | 2,277 |
| City Board of Education | Tuscaloosa | Public Education | 1,446 |
| Warrior Met Coal | Tuscaloosa | Metallurgical Coal | 1,387 |
| Michelin/BF Goodrich Tire Manufacturing | Tuscaloosa | Aftermarket Tires | 1,348 |
| City of Tuscaloosa | Tuscaloosa | City Services | 1,289 |

**Table 2.6 Major Employers in AEMA Division C* (continued)**

| Employer | County | Product | Employees |
|---|---|---|---|
| Veterans Administration Hospital | Tuscaloosa | Specialized Health Care | 1,277 |
| Phifer Inc. | Tuscaloosa | Aluminum/Fiberglass Screening | 1,204 |
| SMP Automotive Systems | Tuscaloosa | Automotive Components | 1,107 |
| ARD Logistics-Alabama | Tuscaloosa | Third-Party Logistics | 768 |
| Brose Tuscaloosa | Tuscaloosa | Automotive Components | 645 |
| International Paper | Dallas | Paper, Pulp | 749 |

**Employers with over 500 employees*

***Source: Tuscaloosa County Industrial Development Authority, Economic Development Partnership of Alabama***

Forest products are a major industry in Division C and has been so historically. Table 2.7 is provided below, it indicates growth within the forestry industry in Division C, from 2017 to current.

**Table 2.7 Forestry Industry Growth and Expansion**

| Company | County | Product | Jobs | Investment (million) |
|---|---|---|---|---|
| **2019** | | | | |
| Enviva | Sumter | Wood Pellets | 85 | 175 (New) |
| **2018** | | | | |
| KyKenKee, Inc. | Tuscaloosa | Sawmill that produces hardwoods and southern yellow pine, specialty cut items, and Greenscape products (wood chips, bark, sawdust ) | 70 | $28.2 (Expansion) |
| Sunbelt Forest Ventures | Dallas | High tech Sawmill | 52 | $21 (New) |
| Zilkha Biomass Selma | Dallas | Wood pellets (black) for export | 63 | $20 (New) |
| **2017** | | | | |
| Pallet One of Alabama Dallas | Dallas | Wood pallets | 20 | $0.5 (Expansion) |
| Two Rivers Lumber | Marengo | Sawmill | 95 | $64 (New) |

***Source: Economic Development Partnership of Alabama (EDPA)***

It should be noted that all industries mentioned are susceptible to the natural hazards that occur in the entire planning region. The severity and impact of a loss of an industry is directly associated with the type of business and size of the facility.

## 2.4 Infrastructure

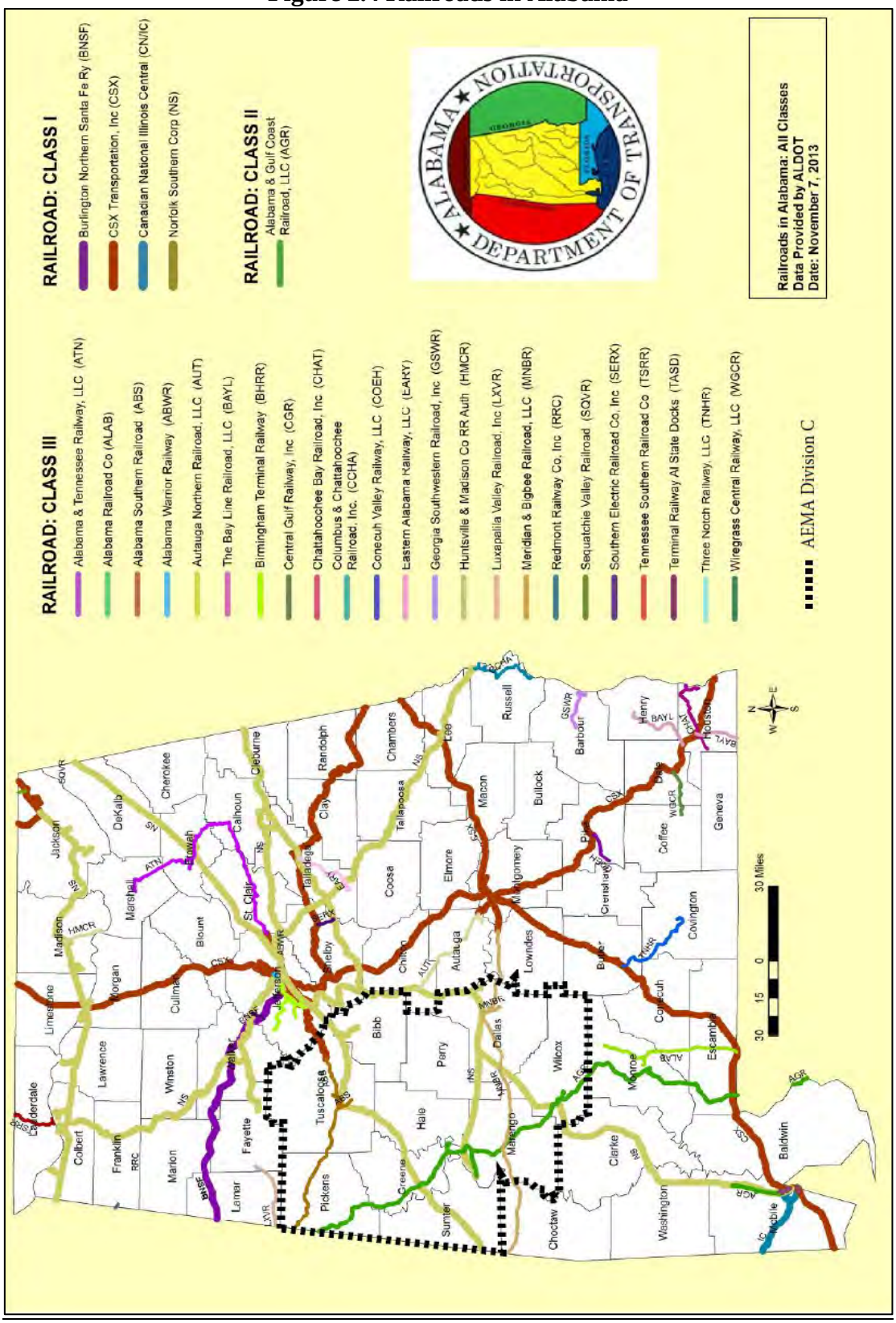
Transportation

Division C has several major highways. Interstate Hwy 20/59 runs through Sumter, Greene and Tuscaloosa counties, northward. This interstate serves as an important trucking and evacuation route for the central gulf coast. It is a "double interstate" whereby each interstate's traffic flow converges into a single route between Birmingham and Meridian Mississippi. Major federal highways that run through the region include U.S. Highways 43, 82, 11, and 80. U.S. 43 and U.S. 11 converge into a "double federal highway" through Greene and Tuscaloosa counties which runs parallel to Interstate 20/59. U.S. Highway 43 runs south through Tuscaloosa, Greene, and Marengo Counties. U.S. Highway 82 runs east to west through Pickens, Tuscaloosa, and Bibb Counties. U.S. Highway 11 runs east- west through Tuscaloosa, Greene, and Sumter Counties. U.S. Highway 80 runs east to west through Dallas, Marengo, and Sumter Counties. In addition to federal routes, there are numerous state and local routes that connect the communities in the region.

Division C houses several airports. There are no international airports located within the planning area. The Tuscaloosa National Airport is the only national airport in the state. The Demopolis regional Airport is the region's only regional airport. The planning region includes several general aviation airports including George Downer Airport (Pickens County), Camden Municipal Airport (Wilcox County), Bibb County Airport (Bibb County), Greensboro Municipal Airport (Hale County), Vaiden Field (Perry County), North Pickens Airport (Pickens County), and Craig Field (Dallas County).

There are numerous railroads within Division C (Figure2.4). Class I railroads have annual carrier operating revenues of $250 million or more in 1991 dollars, which adjusted for inflation was $452,653,248 in 2012. There are two Class I railroads in Division C, these lines are operated by Norfolk Southern and CSX Transportation. A Class II railroad is mid-sized in terms of operating revenue. As of 2011, a railroad with revenues greater than $37.4 million but less than $433.2 million for at least three consecutive years was considered Class II. The Alabama & Gulf Coast Railroad, LLC operates a Class II railroad that runs through Pickens, Greene, Marengo, and Wilcox Counties. A Class III railroad has an annual operating revenue of less than $20 million. They are typically local short-line railroads serving a small number of towns and industries or hauling cars for one or more railroads. There are two Class III railroads in Division C, these lines are operated by the Alabama Southern Railroad (ABS) and Meridian and Bigbee Railroad, LLC.

**Figure 2.4 Railroads in Alabama**




***Source: ALDOT Rail Directory 2014***

Utilities

Electric service throughout the planning area is provided by Alabama Power and several electric cooperatives. Greene, Hale, Marengo, Sumter and western Tuscaloosa counties are served by Black Warrior EMC. Perry County is served by Black Warrior EMC and Pioneer Electric Cooperative. Pickens County is served by Black Warrior EMC and Tombigbee Electric Co-Op, Inc. Wilcox County is served by Clarke-Washington EMC, Pioneer Electric Cooperative, and Southern Pine Electric Cooperative.

Water and sewer services are provided through municipal and county utility authorities. Most populated areas in the planning region have public water service, where there are only a few instances of areas that have no connection. The majority of the unincorporated areas throughout the region rely on septic systems for disposal of sewage and wastewater.

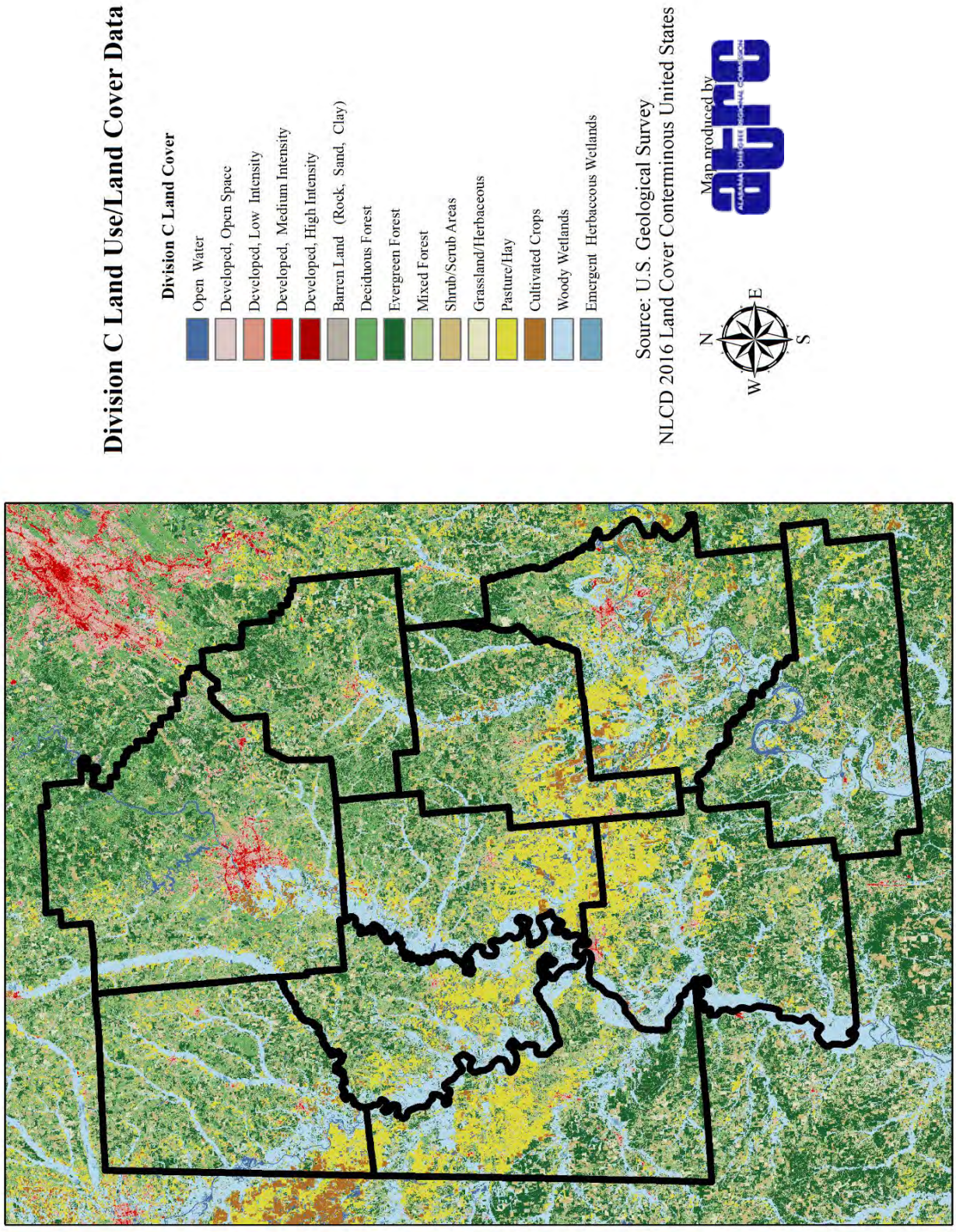
Natural Gas is provided by municipal and county authorities as well as Southern Natural Gas Company, Plantation Pipe Line (Hale County), Pickens County Natural Gas District, Alagasco (Pickens County), Warrior Energy, Embridge Pipline Company, Southern Natural Gas (Tuscaloosa County), Wilcox County Gas District, and Amerigas (Bibb County).

## 2.5 Land Use and Development Trends

With the exception of the Tuscaloosa metro area, west central Alabama is primarily rural (Figure 2.5). The area consists of numerous small towns, extensive agricultural land, and abundant livestock. Silviculture is strongly present within this region. In these rural areas, significant growth is not anticipated. These counties are projected to have a decrease in population over the next twenty years.

Tuscaloosa is the fifth most populated city in Alabama. It is the economic engine of west Alabama. The city is home to the University of Alabama, which reported an enrollment of 38,103 in the fall of 2019. The University's growth has contributed to the growth of the area along with the continued expansion of Mercedes Benz, which is located in Vance. Tuscaloosa is considered to be one of the fastest growing areas in the state. Northport, which lies to the northwest of Tuscaloosa, is another city experiencing rapid growth. Between the 2000 and 2010 Census, the population of Northport increased by 16.7%.

**Figure 2.5 Division C Land Use/Land Cover**



# Section 3- Planning Process

This section of the plan addresses the requirements of Section 201.6 (c)(1) by providing the planning process that was used to develop the plan, including how the plan was prepared, who was involved in the process and how the public participated.

**Section Contents**


3.1 Multi-Jurisdictional Plan Adoption
3.2 Multi-Jurisdictional Plan Participation
3.3 Multi-Jurisdictional Action Plans
3.4 Hazard Mitigation Planning Process
3.5 Public and Other Stakeholder Involvement
3.6 Integration with Existing Plans

## 3.1 Multi-Jurisdictional Plan Adoption

Participation in the planning process is open to jurisdictions and other public and private entities in Divisions C. Jurisdictions include regional planning councils, local governing bodies including municipal councils and county commissions, and local school districts. Public entities, as applicable within each county, may include health systems and institutions of higher education. Public universities and community colleges are included in the State of Alabama Hazard Mitigation plan and their participation in local plans is optional. Fire associations in Division C are considered private non-profits.

## 3.2 Multi-Jurisdictional Action Plans

Participating jurisdictions and public entities are required to have individual mitigation action plans in order to be considered an eligible applicant for funding through HMA programs. Action plans for eligible participating entities are located in Section 5 – Mitigation Strategy. Fire associations, because they are private non-profits, must partner with an eligible jurisdiction to apply for HMGP funding and therefore are not required to have action plans.

## 3.3 Multi-Jurisdictional Planning Participation

All eligible jurisdictions in Bibb, Dallas, Greene, Hale, Marengo, Perry, Pickens, Sumter, Tuscaloosa, and Wilcox counties have participated in the development of the regional hazard mitigation plan. These jurisdictions participated according to the standards set forth by the Regional Hazard Mitigation Planning Committee. Adoption of the plan completes the requirements to be an eligible applicant for FEMA HMA programs. Plan adoption is optional for Fire Associations. Table 3.1 provides a list of entities that will adopt the mitigation plan.

## Table 3.1 Division C Plan Participants Adopting Plan

| **Bibb County** | **Pickens County** |
|---|---|
| Bibb County Board of Education | Pickens County Commission |
| Bibb County Commission | Pickens County Board of Education |
| Bibb County Medical Center | City of Aliceville |
| City of Brent | City of Reform |
| City of Centreville | Town of Carrollton |
| Town of West Blocton | Town of Ethelsville |
| Town of Woodstock | Town of Gordo |
| | Town of McMullen |
| **Dallas County** | Town of Memphis |
| Dallas County School District | Town of Pickensville |
| Dallas County Commission | |
| City of Selma | **Sumter County** |
| City of Valley Grande | Sumter County Board of Education |
| Town of Orrville | Sumter County Commission |
| Selma City Schools | The University of West Alabama |
| **Greene County** | City of Livingston |
| Greene County Board of Education | City of York |
| Greene County Commission | Town of Cuba |
| Greene County Health System | Town of Emelle |
| City of Eutaw | Town of Epes |
| Town of Boligee | Town of Gainesville |
| Town of Forkland | Town of Geiger |
| Town of Union | Sumter County Opportunity, Inc. |
| | Sumter County Water Authority |
| **Hale County** | Sumter County Sewer Authority |
| Hale County Board of Education | Panola Enrichment Center |
| Hale County Commission | North Sumter Development Corporation |
| Hale County Hospital | |
| City of Greensboro | **Tuscaloosa County** |
| City of Moundville | Tuscaloosa County Board of Education |
| Town of Akron | Tuscaloosa County Commission |
| Town of Newbern | City of Northport |
| | City of Tuscaloosa |
| **Marengo County** | Tuscaloosa City Schools |
| Marengo County Commission | DCH Regional Health System |
| City of Demopolis | The University of Alabama |
| City of Linden | Town of Brookwood |
| Town of Dayton | Town of Coaling |
| Town of Faunsdale | Town of Coker |
| Town of Myrtlewood | Town of Lake View |
| Town of Providence | West Alabama Regional Commission |
| Town of Sweetwater | **Wilcox County** |
| Town of Thomaston | Wilcox County Board of Education |
| | Wilcox County Commission |
| | City of Camden |
| | Town of Oak Hill |
| **Perry County** | Town of Pine Apple |
| Perry County Commission | Town of Pine Hill |
| Perry County Board of Education | Town of Yellow Bluff |
| City of Marion | Alabama-Tombigbee Regional Commission |
| City of Uniontown | |

## 3.4 Hazard Mitigation Planning Process

The AEMA Division C Multi-Jurisdictional Hazard Mitigation Plan was developed through interaction between AEMA Division C EMA directors, the AEMA Division C Coordinator, the Alabama Tombigbee Regional Commission (ATRC), and the West Alabama Regional Commission (WARC). These entities comprised the Regional Hazard Mitigation Planning Committee.

The review of previous local hazard mitigation plans and development of the requirements for participating within the regional planning process were tasks undertaken by the Regional Hazard Mitigation Planning Committee. The requirements set forth by the committee were as follows:

- Attendance by them, or a representative, at each of the HMPC meetings;
- If unable to attend a meeting, follow up by communicating with the EMA Director through personal visits, phone calls, correspondence, email or fax;
- Timely submission of information necessary for the draft plan;
- Full cooperation among the members of each municipality with the participating county EMA and ATRC/WARC.

Members of the Regional Hazard Mitigation Planning Committee developed county-level planning subcommittees, primarily based from Local Emergency Planning Committees (LEPCs). County-level meetings provided local stakeholders and jurisdictions the opportunity to review the risk, vulnerability, and mitigation components of the Hazard Mitigation Plan. During December 2019, planning materials were sent to each jurisdiction for review prior to county-level stakeholder meetings. These meetings were held in early 2020. These meetings served as an opportunity to discuss recent hazard events and how they affected each jurisdiction. In addition, these meetings were used to assess the progress of each jurisdiction's mitigation goals and objectives. After these meetings, hazard profiles were consolidated and updated for the regional scope of the plan. A risk analysis was conducted using historical and local documentation. County EMAs and the regional planning commissions worked with participants to update and finalize mitigation strategies. Plan drafts were distributed to stakeholders and local jurisdictions for review and posted on the internet. The draft plan was available for public comment before submission to AEMA/FEMA.

The counties of Dallas, Hale, Marengo, and Sumter developed their plans in the later part of 2020 and first quarter of 2021. The planning process how to be modified due to the COVID-19 pandemic and state and local orders regarding public gatherings. Participating jurisdictions were provided planning materials and contacted directly to discuss the plan. The public and stakeholders were provided the opportunity to review the draft and comment.

**Table 3.2 Regional Hazard Mitigation Planning Participants by County**

| Bibb County (Committee Members in BOLD) | | | | |
|---|---|---|---|---|
| **Jurisdiction** | **Primary Contact/Title** | **Attended Meetings** | **Provided Written Comments** | **In-Person or Phone Consultation** |
| **Bibb County** | **Rodney Stabler, Chairman** | | | X |
| **Bibb County** | **Kirk Smith, Bibb EMA Director** | X | X | X |
| Bibb County | Rusty Price, Lt. Sheriff's Dept. | X | X | |
| Bibb County | Jeff McKinney, County Engineer | X | X | |
| Bibb County | Robert Hollifield, Pound | X | | |
| Bibb County | Tommy Dockery, ADPH-EP Director | X | X | |
| Bibb County | Kenneth Weems,Chief Deputy | X | | |
| Bibb County | Jackson Chance, Brierfield VFD | X | X | |
| Bibb County | Angela Hollifield, Engineering Assist. | X | | |
| **Bibb County Board of Education** | **Wes Lawley, BOE Safety Coordinator** | X | X | |
| **Bibb County Fire Association .** | **Dennis Stripling, President** | | | X |
| **Bibb Medical Center** | **Matthew Thomas, Safety Director** | X | X | |
| **City of Brent** | **Bobbie White, Mayor** | X | X | |
| **City of Brent** | **Rosalyn Adams, City Clerk** | X | X | |
| City of Brent | David Tucker, Utilities Dept. | X | | |
| City of Brent | Wade Snipes, Utilities Dept. | X | | |
| City of Brent | Terry Nichols, Police Chief | X | | |
| City of Brent | John Donner, Street Superintendent | X | | |
| City of Brent | Jerry Pow, Chief Brent VFD | X | | |
| **City of Centreville** | **Terry Morton, Mayor** | X | X | |
| City of Centreville | Rodney Smith, Police Chief | X | X | |
| **City of Centreville** | **Larry Oikle, Utilities Superintendent** | X | | |
| City of Centreville | Don Mack, City Council | X | | |
| **Town of West Blocton** | **James Cromer, Police Chief** | X | X | |
| **Town of Woodstock** | **Tiffney McCully, Town Clerk** | X | X | |

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|---|---|---|---|---|
| **Town of Woodstock** | **Len Price, Police Chief** | X | X | |
| WARC | Cory Johnson, CED Director | X | | |
| WARC | Countess King, Planning Assistant | X | | |
| **Dallas County (Committee Members in BOLD)** | | | | |
| **Jurisdiction** | **Primary Contact/Title** | **Attended Meetings** | **Provided Written Comments** | **In-Person or Phone Consultation** |
| **Dallas County Commission** | **Jimmy Nunn, Chairman** | | | **X** |
| **Dallas County EMA** | **Toya Styles, Director** | | | **X** |
| **Town of Orrville** | **Louvenia Lumpkin, Mayor** | | | **X** |
| **City of Selma** | **Henry Thompson, Planning and Development** | | | **X** |
| **City of Valley Grande** | **Wayne Labbe, Mayor** | | | **X** |
| **Selma City Schools** | **Dr. Avis Williams, Superintendent** | | | **X** |
| **Dallas County School District** | **Mrs. Hattie Shelton, Superintendent** | | | **X** |
| **Greene County (Committee Members in BOLD)** | | | | |
| **Jurisdiction** | **Primary Contact/Title** | **Attended Meetings** | **Provided Written Comments** | **In-Person or Phone Consultation** |
| **Greene County** | **Allen Turner, Commission Chairman** | X | | X |
| **Greene County** | **Iris Sermon, County EMA Director** | X | X | X |
| Greene County | Johnny L. Isaac, EMA | X | | |
| Greene County | John Isley, Highway Department | X | | |
| Greene County | George Hall, LEPC | X | | |
| Greene County | Derick Coleman, LEPC | X | | |
| Greene County | Nick Wilson, EMS Director | X | | |
| **Greene County Fire Association** | **Hodges Smith, President** | X | X | |
| Greene County Fire Association | Jimmie Rice Jr., Clinton VFD | X | | |
| Greene County Fire Association | Marstine Rice, Clinton VFD | X | | |
| Greene County Fire Association | Willie Austin, Dollarhide VFD | X | | |
| Greene County Fire Association | Eddie Austin Jr., Dollarhide VFD | X | | |
| Greene County Fire Association | Keith Young, Dollarhide VFD | X | | |
| Greene County Fire Association | Mollie M. Gaines, Dollarhide VFD | X | | |
| Greene County Fire Association | Geraldine Walton, Dollarhid Pres. | X | | |

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|---|---|---|---|---|
| Greene County Fire Association | Mary Dunn, Dollarhide VFD | X | | |
| Greene County Fire Association | J. E. Morrow, Dollarhide VFD | X | | |
| Greene County Fire Association | Gerald Burns, Jena VFD | X | | |
| Greene County Fire Association | Morris Bowie, Jena VFD | X | | |
| Greene County Fire Association | Minnie Bowie, Jena VFD | X | | |
| Greene County Fire Association | John Byrd, Knoxville VFD | X | | |
| Greene County Fire Association | Harper Smith, Knoxville VFD | X | | |
| Greene County Fire Association | John Smith, Knoxville VFD | X | | |
| Greene County Fire Association | Ed Pearson, Lower Gainsville VFD | X | | |
| Greene County Fire Association | Johnni Strode-Morning, LG VFD | X | | |
| Greene County Fire Association | Severe Strode, LG VFD | X | | |
| Greene County Fire Association | Jamie Cox, LG VFD | X | | |
| Greene County Fire Association | Lucy Spann, Mantua-Lewiston VFD | X | | |
| Greene County Fire Association | Bessie R Means, M-L VFD | X | | |
| Greene County Fire Association | Kathy Morrow, M-L VFD | X | | |
| Greene County Fire Association | Jenkins Morrow Jr. M-L VFD | X | | |
| Greene County Fire Association | William Spencer, M-LVFD | X | | |
| Greene County Fire Association | Challin Jones, M-L VFD | X | | |
| Greene County Fire Association | F. H. Hughes, M-L VFD | X | | |
| Greene County Fire Association | John Hill, Springfield VFD | X | | |
| Greene County Fire Association | Lillie Thomas, Springfield VFD | X | | |
| Greene County Fire Association | Allen Turner Sr. Tishabee VFD | X | | |
| Greene County Fire Association | Cedric Madison, Tishabee VFD | X | | |
| Greene County Fire Association | Kurt Turner, Tishabee VFD | X | | |
| Greene County Fire Association | Alexander Haley, Tishabee VFD | X | | |
| Greene County Fire Association | Allen Turner Jr. Tishabee VFD | X | | |
| Greene County Fire Association | JB Washington, Tishabee VFD | X | | |

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|---|---|---|---|---|
| Greene County Fire Association | Gwendolyn Madison, Tishabee VFD | X | | |
| Greene County Fire Association | Fatima Jackson, Tishabee VFD | X | | |
| Greene County Fire Association | Willie Cooke, Tishabee VFD | X | | |
| Greene County Fire Association | Lesley Carlisle, West Greene VFD | X | | |
| Greene County Fire Association | Melin Carpenter, WG VFD | X | | |
| Greene County Fire Association | Betty McCarter, WG VFD | X | | |
| Greene County Fire Association | Marie Jordan, WG VFD | X | | |
| Greene County Fire Association | Peggy Watkins, WG VFD | X | | |
| Greene County Fire Association | Dorothy Carlise, WG VFD | X | | |
| **Greene County BOE** | **Dr. Corey Jones, Superintendent** | | | X |
| **Greene County Hospital** | **Dr. Marcia Pugh, Hospital Admin.** | | | X |
| Town of Boligee | Hattie Samuels, Mayor | | X | |
| Town of Boligee | Sharon Washington, Clerk | | | X |
| **Town of Boligee** | **James Morrow, Councilman** | X | X | |
| Town of Boligee | Susie Morrow, VFD | X | | |
| Town of Boligee | Eddie Brown, VFD | X | | |
| Town of Boligee | Jena Morrow, VFD | X | X | |
| **City of Eutaw** | **Raymond Steele, VFD** | X | X | |
| **City of Eutaw** | **Bennie Abrams III, VFD** | X | X | |
| **Town of Forkland** | **Charlie McAlpine, Mayor** | X | X | |
| **Town of Forkland** | **Roy Louis Jine, VFD Chief** | X | X | |
| Town of Forkland | Carrie Jones, Courts office | X | | X |
| Town of Forkland | Juanita Jackson, VFD | X | | |
| Town of Forkland | Earlean Isaac, VFD | X | | |
| Town of Forkland | Wily Issac, VFD | X | | |
| Town of Union | Idella Thompson, VFD | X | | |
| Town of Union | Fannie P. Morrow, VFD | X | | |
| **Town of Union** | **Henry Harkness, Fire Chief** | X | | |
| Town of Union | Johnny Burton, VFD | X | | |
| Town of Union | Marilyn Sanford, Clerk | | | X |
| Alabama Forestry Commission | Heath Dorman, Forest Ranger | X | X | |
| Alabama Forestry Commission | Jason Berry, Forestry Specialist/ Walk | X | | |
| Alabama Forestry Commission | Karl Byrd, Regional Fire Specialist | X | | |
| WARC | Cory Johnson, CED Director | X | | |

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|---|---|---|---|---|
| WARC | Countess King, Planning Assistant | X | | |
| **Hale County (Committee Members in BOLD)** | | | | |
| **Jurisdiction** | **Primary Contact/Title** | **Attended Meetings** | **Provided Written Comments** | **In-Person or Phone Consultation** |
| **Hale County** | **Russell Weeden, EMA Director** | | **X** | **X** |
| **Hale County** | **Arthur Crawford, Probate Judge** | | | **X** |
| Hale County | Patty Rhodes, Commissioner (4) | | | X |
| **Hale County** | **Keneth Ellis, Hale Co. Sheriff** | | | **X** |
| **Hale County** | **Frederick Powell, County Engineer** | | | **X** |
| **Hale County** | **Susan Beasley, Hale E911** | | | **X** |
| **Hale County** | **Patrick Howard, Hale EMS Director** | | | **X** |
| Hale County | Lexi Shepherd, Project Horseshoe Farm | | | X |
| **Hale BOE** | **Michael Ryans, Hale BOE** | | **X** | **X** |
| **Hale Medical Center** | **Tammy Weeden, Hale County Hospital** | | **X** | **X** |
| **Hale Fire Assoc** | **Russell Weeden, Pres** | | **X** | **X** |
| **Town of Akron** | **Jonathan Rossell, Mayor** | | **X** | **X** |
| **City of Greensboro** | **Johnnie Washington, Mayor** | | | **X** |
| City of Greensboro | Lorrie Cook, Clerk | | X | X |
| City of Greensboro | Michael Hamilton, Police Chief | | | X |
| City of Moundville | **Tony Lester, Mayor** | | | X |
| City of Moundville | Daniel Fowler, Water System Manager | | | X |
| City of Moundville | Toby Banks, Police Chief | | | X |
| City of Moundville | Carol Townsend, City Clerk | | X | |
| **Town of Newbern** | **Patrick Braxton, Mayor** | | **X** | **X** |
| **West Alabama Regional Commission** | **Cory Johnson, WARC** | | | **X** |

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|---|---|---|---|---|
| **Alabama Department of Public Health** | **Tommy Dockery, ADPH AREA 7** | | | **X** |
| **Alabama Forestry Commission** | **Ethan Barrett, Alabama Forestry Commission** | | | **X** |
| **Marengo County (Committee Members in BOLD)** | | | | |
| **Jurisdiction** | **Primary Contact/Title** | **Attended Meetings** | **Provided Written Comments** | **In-Person or Phone Consultation** |
| **Marengo County EMA** | **Kevin McKinney, Director** | | | **X** |
| **Marengo County Commission** | **Freddie Armstead, Chairman** | | | **X** |
| **Town of Dayton** | **William Poole, Mayor** | | | **X** |
| **City of Demopolis** | **Woody Collins, Mayor** | | | **X** |
| **Town of Faunsdale** | **George Kelly, Mayor** | | | **X** |
| **City of Linden** | **Gwendolyn Rogers, Mayor** | | | **X** |
| **Town of Myrtlewood** | **Jane Vick, Mayor** | | | **X** |
| **Town of Providence** | **Thomas Vick, Mayor** | | | **X** |
| **Town of Sweetwater** | **Chad Broussard, Mayor** | | | **X** |
| **Town of Thomaston** | **Donna Stokes, Clerk** | | | **X** |
| **Perry County (Committee Members in BOLD)** | | | | |
| **Jurisdiction** | **Primary Contact/Title** | **Attended Meetings** | **Provided Written Comments** | **In-Person or Phone Consultation** |
| **Perry County** | **DeAndrae Kimbrough, County Engineer-EMA Director** | X | X | X |
| Perry County | Albert Turner Jr., County Commissioner | X | | |
| Perry County | Ben Eaton, County Commissioner | X | | |
| **City of Marion** | **Dexter Hinton, Mayor** | | X | X |
| **City of Uniontown** | **Alfreda Washington, City Clerk** | | X | X |
| Perry County/ Sowing Seeds of Hope | Frances Ford, Executive Director | X | | |

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|---|---|---|---|---|
| Perry County/ Sowing Seeds of Hope | Susan Jones, Director of Communications and Special Projects | X | | |
| **Perry County E-911** | **Claudine Heard, Director** | X | | |
| Perry County Nursing Home | Sharon Phillips, Licensed Nursing Home Administrator | X | | |
| Perry County Nursing Home | Greg Hinton, Director of Maintenance | X | | |
| Perry County Nursing Home | Marilyn Smith, Director of Nursing | X | | |
| Perry County Extension Service | Katrina Easley, County Extension Coordinator | X | | |
| **Perry County Sheriff's Office** | **Billy Jones, Deputy** | X | | |
| **Perry County Board of Education** | **John Heard III, Superintendent** | | X | X |
| ATRC | Mary Zimmerman, Development Assistant | X | | |
| **Pickens County (Committee Members in BOLD)** | | | | |
| **Jurisdiction** | **Primary Contact/Title** | **Attended Meetings** | **Provided Written Comments** | **In-Person or Phone Consultation** |
| **Pickens County** | **Drew Elmore, County Commissioner** | X | X | |
| **Pickens County** | **Laketha Bell, EMA Director** | X | X | X |
| **Pickens County BOE** | **Jamie Chapman, Superintendent** | | | X |
| Pickens County Medical Ctr | Tabatha Pate, Human Resources | | | X |
| **Pickens County Fire Assoc** | **Keith Cox, Chief of Fire Association** | | | X |
| **City of Aliceville** | **Marva Gipson, Mayor** | X | X | |
| City of Aliceville | Dineki McCaa, City Clerk | | | X |
| **Town of Carrollton** | **Mickey Walker, Mayor** | | X | X |
| Town of Carrollton | Beth Goodson, Town Clerk | | | X |
| **Town of Ethelsville** | **Jimmie Nell Jolly, Town Clerk** | | | X |
| **Town of Gordo** | **Craig Patterson, Mayor** | X | | |
| **Town of McMullen** | **George Clark, Councilman** | | | X |
| **Town of Memphis** | **Evelyn Hinton, Mayor** | | X | |
| **Town of Pickensville** | **Donald Sherrod, Mayor** | X | X | |
| Town of Pickensville | Shirley Fields, Town Clerk | X | | X |
| **Town of Pickensville** | **Alfred Cooper, Sr, Police/Fire Chief** | X | | |
| **City of Reform** | **Bennie E. Harton, Mayor** | X | X | X |

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|---|---|---|---|---|
| City of Reform | Annette Maughan, City Clerk | | | X |
| **Sumter County (Committee Members in BOLD)** | | | | |
| **Jurisdiction** | **Primary Contact/Title** | **Attended Meetings** | **Provided Written Comments** | **In-Person or Phone Consultation** |
| **Sumter County EMA** | **Margaret Bishop-Gulley, Director** | | | **X** |
| **Sumter County Commission** | **Marcus Campbell, Chairman** | | | **X** |
| **Sumter County Commission** | **Anthony Crear, County Engineer** | | | **X** |
| **Town of Cuba** | **Carl Storey, Mayor** | | | **X** |
| **Town of Emelle** | **Roy Willingham, Mayor** | | | **X** |
| **Town of Epes** | **Walter Porter, Mayor** | | | **X** |
| **Town of Gainesville** | **Joseph Nelson, Mayor** | | | **X** |
| **Town of Geiger** | **Michael Cunningham, Mayor** | | | **X** |
| **City of Livingston** | **Tom Tartt III, Mayor** | | | **X** |
| **City of York** | **Willie Lake, Mayor** | | | **X** |
| **Sumter County BOE** | **Anthony Gardner, Superintendent** | | | **X** |
| **University of West Alabama** | **Ken Tucker, President** | | | **X** |
| **Sumter County Opportunity, Inc** | **Lena Hardaway, CEO** | | | **X** |
| **Sumter County Water Authority** | **Shirley Peeler, Manager** | | | **X** |
| **Sumter County Sewer Authority** | **Dianne Woodard, President** | | | **X** |
| **Panola Enrichment Center** | **Callie Moss, Member** | | | **X** |
| **North Sumter Development Corporation** | **Drucilla Jackson, Member** | | | **X** |
| **Tuscaloosa County (Committee Members in BOLD)** | | | | |
| **Jurisdiction** | **Primary Contact/Title** | **Attended Meetings** | **Provided Written Comments** | **In-Person or Phone Consultation** |
| **Tuscaloosa County** | **Nick Lolley, Director TCEMA** | X | X | X |
| Tuscaloosa County | Dianna Dollar, Deputy Director TCEMA | X | X | X |
| Tuscaloosa County | Jon Lambert, Specialist TCEMA | X | X | X |
| Tuscaloosa County | David Hartin, Volunteer | X | X | |
| Tuscaloosa County | Michelle Babin, Community Develop. | X | X | X |
| Tuscaloosa County | Scott Anders, Engineer | X | X | |

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|---|---|---|---|---|
| **Tuscaloosa County** | **Lloyd Baker, Chief of Administration Tuscaloosa Sheriff's Office** | | | X |
| **Tuscaloosa County** | **Mike Henderson, Engineer** | X | X | |
| **Tuscaloosa County** | **Jeanette Byrd, Public Works Mapping** | X | X | |
| Tuscaloosa County | Rod Coleman, E911 Director | X | | |
| **Tuscaloosa County** | **Ryan Sabbagh, Director of Facilities** | X | | |
| Tuscaloosa County | Laura Massengil, PBX Operator | X | | |
| **DCH Health System** | **Sidney Bostick, Director of Safety** | X | X | |
| **Tuscaloosa Fire Assoc** | **Jim Ray, Training Chief** | | X | X |
| **Tuscaloosa County Schools** | **David Patrick, Deputy Superintendent** | X | X | |
| City of Northport | Donna Aaron, Mayor | | | X |
| **City of Northport** | **Brooke Starnes, Dir. of Public Works** | X | X | |
| **City of Northport** | **John Powell Webb, Engineer** | X | | |
| City of Northport | Joey Olive, Public Works AD | X | X | |
| City of Northport | James McKinney, Utilities AD | X | X | |
| **City of Tuscaloosa** | **Ashley Crites, Director of Planning** | X | X | |
| **City of Tuscaloosa** | **Savannah Howell, Director of Admin.** | X | X | |
| **City of Tuscaloosa** | **Howard Stuart, Assoc. Bldg Official** | X | | |
| **City of Tuscaloosa** | **Jarrod Milligan, Deputy ED of IPS** | X | | |
| City of Tuscaloosa | Stacy Vaughn, Dir. of Public Services | | | X |
| **City of Tuscaloosa** | **Case Odell, Watershed Manager** | X | | |
| **Tuscaloosa City Schools** | **Deron Cameron, Executive Director, HR & Operations** | | | X |
| Shelton State Community College | Jonathan Koh, Director of Grants | | | X |
| Stillman College | Phillip Cunningham, Dir. Safety,Facilities | | | X |
| **The University of Alabama** | **Donald Keith, Director, OEM** | X | | |
| **The University of Alabama** | **Sarah Johnston, Emergency Manager, OEM** | X | | |
| The University of Alabama | Ken Horst, Asst. Director, OEM | | X | |
| The University of Alabama | Megan Campbell, Intern | X | | |

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|---|---|---|---|---|
| The University of Alabama | Logan Denson, Intern | X | | |
| **Town of Brookwood** | **Duane Garner, Fire Chief** | X | X | |
| Town of Brookwood | Collins Espy, Engineer | X | X | |
| Town of Coaling | Gary Averett, Mayor | X | X | |
| **Town of Coaling** | **Sylvia Rouse, Clerk** | X | | |
| **Town of Coker** | **Steve Hysaw, Mayor** | X | X | |
| Town of Coker | Pam Morris, Clerk | | | X |
| Town of Lake View | George Pickle, Building Inspector | X | X | X |
| **Town of Lake View** | **Paul Calhoun, Mayor** | | | X |
| **Town of Vance** | **Harold McAdory, Chief Vance Fire Dist.** | | X | |
| Town of Vance | Brenda Morrison, Mayor | X | X | |
| Town of Vance | Dianne Averett, Council | X | | |
| ADPH | Tommy Dockery, Director of EP | X | X | |
| WARC | Dennis Stripling, Executive Director | X | | |
| WARC | Cory Johnson, CED Director | X | | |
| WARC | Countess King, Planning Assistant | X | | |
| **Wilcox County (Committee Members in BOLD)** | | | | |
| **Jurisdiction/ Representing** | **Primary Contact/Title** | **Attended Meetings** | **Provided Written Comments** | **In-Person or Phone Consultation** |
| **Wilcox County** | **Melissa Dove, Wilcox County EMA/E-911 Director** | X | X | X |
| **Wilcox County** | **Bill Albritton, County Commissioner** | X | | X |
| Wilcox County DHR | Carol Dixon Director | X | | |
| **Town of Oak Hill/ Wilcox County Fire Association** | **David Fuller, Mayor** | X | | X |
| **City of Camden** | **Philip Creswell, Mayor** | X | | X |
| **Town of Yellow Bluff** | **Joyce Williams, Mayor** | | | X |
| **Town of Pine Hill** | **Marjorie Sheffield, Town Clerk** | | X | X |
| **Town of Pine Apple** | **Joyce Wall, Councilwoman** | | | X |
| Alabama Department of Public Health | Steve Wood, Environmentalist | X | | |

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|---|---|---|---|---|
| Alabama Department of Public Health | Chad Kent, Administrator Southwestern District | X | | |
| Alabama Department of Public Health | Barbara Etheridge, Emergency Preparedness Director Southwestern District | X | | |
| **Wilcox County** | **Frederick Powell, County Engineer** | X | | |
| Wilcox County | David Butts, Assistant County Engineer | X | | |
| **Wilcox County BOE** | **Andre Saulsberry, Superintendent** | | X | |
| ATRC | Mary Zimmerman, Development Assistant | X | | |

## 3.5 Public and Other Stakeholder Involvement

Opportunity for public comment was provided in multiple ways. All county stakeholder meetings were open to the public and advertised in the local newspaper. The second county-level meeting provided a review of the plan draft and an opportunity to comment. In Wilcox and Perry Counties, the second county-level meeting had to be cancelled due to the COVID-19 pandemic. In these counties, the draft plan was made available for review with a two-week comment period prior to submission. For Dallas, Hale, Marengo, and Sumter all communication was handled virtually or by phone. Due to the COVID-19 pandemic meetings were not allowed to be held. In these counties, the draft plan was made available for review with a two-week comment period prior to submission. An additional public hearing will be held by each adopting jurisdiction prior to adoption of the approvable plan. Plan drafts were available for review online at www.atrcdevelopment.net.

The public was informed of the hazard mitigation planning process and invited and encouraged to attend meetings through various media announcements, including but not limited to newspaper notices and advertisements, social media, community events, and local postings. In addition, in the counties served by ATRC, presentations on hazard mitigation were given at senior centers. As part of the State's transition to develop mitigation plans based on AEMA divisions, EMA directors and their stakeholders in neighboring communities were provided the opportunity to participate in the planning process of the Division C plan. Neighboring communities were invited to participate in the process. These communities were sent a letter inviting them to planning meetings and/or notifying them of the availability of the draft document.

Documentation of public participation, though limited, is included in Appendix A. Bibb County carried out a survey program during 2017 -2019 to capture citizen input during open LEPC meetings; these surveys were used to inform the local risk assessment. Input from public meetings was taken into consideration during the compilation of the risk assessment and vulnerability assessment. The majority of feedback received dealt with the type of hazards the area was most susceptible to. Additionally, public input was received and incorporated into the formulation of goals and strategies. Input received included prospective projects individuals

would like to see pursued. Future updates will work to incorporate additional public involvement, as described in Section 6.3.

The Alabama-Tombigbee Regional Commission and West Alabama Regional Commission (ATRC & WARC) along with local EMA directors consulted with multiple stakeholders in formation of the plan including fire associations, utilities, medical facilities, and boards of education. These stakeholders were contacted via phone or email and invited to participate or provide information. Most of the stakeholders listed attended meetings. The Emergency Preparedness Director of the Alabama Department of Public Health also attended meetings in multiple counties. The U.S. Army Corps of Engineers provided information concerning dam failure and mitigation. The Alabama Forestry Commission provided information pertaining to wildfire information. The Geological Survey of Alabama (GSA) was consulted for landslide and land subsidence hazard information. The plan update was discussed with regional partners, including EMA offices and surrounding counties.

## 3.6 Integration with Existing Plans

Existing plans were consulted upon drafting of the Regional Hazard Mitigation Plan to gauge understanding of the region's capacity for hazard mitigation. The Plans reviewed include:

**Local Hazard Mitigation Plans:**
Each of the ten counties in AEMA Division C has previously developed county level local hazard mitigation plans. These plans were reviewed for consistency of information within the regional plan.

**Alabama State Hazard Mitigation Plan (2018 Update):**
The State Hazard Mitigation Plan was consulted to assist with consistency of information within the regional plan, including items within the Risk Assessment and local capabilities.

**Alabama Tombigbee Regional Commission Comprehensive Economic Development Strategy (CEDS) (2017 Update):** The ATRC CEDS was consulted to ensure the Hazard Mitigation Plan is consistent with the economic development strategy for the region.

**West Alabama Economic Development Playbook 2017-2021:** The WARC Development Playbook was consulted to ensure the Hazard Mitigation Plan is consistent with the economic development strategy for the region.

**Emergency Operations Plans**
Each county in AEMA Division C has an Emergency Operations Plan (EOP) that is utilized in an emergency. The plans summarize various hazards and provide direction for emergency personnel in disaster situations. These plans complement the hazard mitigation plan, but do not necessarily cover the same material.

**Alabama Drought Management Plan (2018 Update)**
The Alabama Drought Management Plan was studied to provide background information of drought impacts on the planning area.

**Local Comprehensive Plans**
Local comprehensive plans identified in Table 5.2 were reviewed with jurisdictions during this process to ensure consistency. These plans include (list will be updated in subsequent phases):

- Forkland Strategic Plan 2018-2020
- Northport Levee Plan 2017
- Reform Community Plan 2016
- Tuscaloosa Framework Comprehensive Plan 2020

Other sources utilized for data incorporation are listed in the Section 4 – Risk Assessment.

# Section 4- Risk Assessment

This section of the plan addresses requirements of Section 201.6 (c)(2).

**Section Contents**

4.1 Hazard Overview
4.2 Hazard Profiles
4.3 Vulnerability Overview
4.4 Critical Facilities/Infrastructure by Jurisdiction
4.5 Hazard Impacts

## 4.1 Hazard Overview

AEMA Division C is affected by a wide range of natural hazards that can potentially have a negative impact on life and property throughout the planning region. Current FEMA regulations under the Disaster Mitigation Act of 2000 (DMA 2000) require, at a minimum, an evaluation of a full range of natural hazards. An evaluation of human-caused hazards (i.e. technological hazards, terrorism, etc.) is allowed but not required for plan approval. This regional plan does not include human-caused hazards.

AEMA Division C has been included in 31 Federal Disaster Declarations, as shown in Table 4.1. The declared disasters have been primarily related to two major types of impact: flooding (through both tropical and non-tropical events) and high winds (through hurricanes, tornadoes, and severe thunderstorms).

**Table 4.1 AEMA Division C Federally Declared Disasters**

| Disaster Number | Declaration Date | Counties Declared | Type of Incident |
|---|---|---|---|
| DR-458 | March 13, 1975 | Dallas, Tuscaloosa, Wilcox, | Severe Storms, Flooding |
| EM-3045 | July 19, 1977 | Entire Region | Drought |
| DR-578 | April 17, 1979 | Dallas, Pickens, Tuscaloosa, Greene, Hale | Storms, wind, flooding |
| DR-598 | September 12, 1979 | Marengo | Hurricane Frederic |
| DR-695 | December 12, 1983 | Dallas | Severe Storms, Flooding, Tornadoes |
| DR-856 | February 16, 1990 | Bibb, Dallas, Greene, Hale, Marengo, Tuscaloosa | Severe Storms, Flooding, Tornadoes |
| DR-861 | March 20, 1990 | Dallas, Wilcox | Severe Storms, Flooding, Tornadoes |
| EM-3096 | March 14, 1993 | Entire Region | Severe Snowfall and Winter Storms |
| DR-1108 | March 19, 1996 | Dallas | Storms, tornadoes, floods |
| DR-1214 | April 8, 1998 | Tuscaloosa | Severe Storms, tornadoes |
| DR-1322 | March 16, 2000 | Tuscaloosa | Severe Storms and Flooding |
| DR-1352 | December 17, 2000 | Tuscaloosa | Tornadoes |
| DR-1362 | March 4, 2001 | Tuscaloosa | Severe Storms and Flooding |
| DR-1442 | November 13, 2002 | Greene | Severe Storms and Tornadoes |
| DR-1466 | May 11, 2003 | Bibb, Tuscaloosa | Severe Storms, Tornadoes, and Flooding |

| Table 4.1 AEMA Division C Federally Declared Disasters (continued) | | | |
|---|---|---|---|
| **Disaster Number** | **Declaration Date** | **Counties Declared** | **Type of Incident** |
| DR-1549 | September 14, 2004 | Entire Region | Hurricane Ivan |
| DR-1593 | July 9, 2005 | Entire Region | Hurricane Dennis |
| DR-1605 | August 28, 2005 | Greene, Hale, Marengo, Pickens, Sumter, Tuscaloosa | Hurricane Katrina |
| EM-3237 | September 9, 2005 | Entire Region | Hurricane Katrina |
| DR-1687 | March 2, 2007 | Dallas, Wilcox | Severe Storms and Tornadoes |
| EM-3292 | August 29, 2008 | Entire Region | Hurricane Gustav |
| DR-1835 | April 27, 2009 | Dallas, Perry, Marengo, Wilcox | Severe Storms, Flooding, Tornadoes and Straight-line Winds |
| EM-3319 | April 26, 2011 | Entire Region | Tornadoes and Straight-line Winds |
| DR-1971 | April 27, 2011 | Entire Region | Severe Storms, Tornadoes, Straight-line Winds and Flooding |
| DR-4052 | January 31, 2012 | Perry | Severe Storms, Straight-line Winds, Tornados and Flooding |
| DR-4082 | ,September 20, 2012 | Pickens, Perry, Dallas | Hurricane Isaac |
| DR-4176 | May 1, 2014 - | Tuscaloosa, Perry, Pickens | Tornadoes, Straight-line Winds and Flooding |
| DR-4251 | January 20, 2016 | Perry | Straight-line Winds and flooding |
| EM-3389 | September 10, 2017 | Entire Region | Hurricane Irma |
| EM-3394 | October 7, 2017 | Bibb, Dallas, Greene, Hale, Marengo, Perry, Tuscaloosa, Wilcox | Hurricane Nate |
| DR-4426 | April 16, 2019 | Greene | Severe Storms, Straight-line Winds, Tornadoes |

***Source: www.fema.gov***

Under a federally declared disaster, the State of Alabama and affected local jurisdictions are eligible to apply for federal reimbursement for debris removal, emergency services, and critical facility repair/replacement. Following a disaster, funding is made available for hazard mitigation grants. These grants allow for implementation of mitigation projects that are listed in mitigation plans such as this one.

## 4.2 Hazard Profiles

Multiple natural hazards affect the AEMA Division C planning region. These hazards were identified and evaluated through a process that included studying historical events, reviewing previous mitigation plans, identifying susceptible locations, and gathering input from local stakeholders. For each hazard addressed in the risk assessment, a general description of the hazard and its extent are included. Information from all ten counties is included in hazard profiles to provide a comprehensive view of regional impacts.

Due to its geographical location, AEMA Division C is vulnerable to hazards that can disrupt life at any time throughout the year. There are numerous hazard types that are not applicable to the region. These hazards include avalanche, coastal erosion, tsunami, and volcanoes. No other mention of these hazards will be made. Table 4.2 presents all potential hazards and indicates if they present risk to the planning area. In addition, information sources and the association of the hazard to a specific area of the planning region is indicated.

**Table 4.2 Potential Hazards and Data Sources**

| Hazard | Risk | Source | Correlation with Region |
|---|---|---|---|
| Avalanche | No | US Forest Service National Avalanche Center (http://www.fsavalanche.org/) | No risk of avalanche events in Alabama |
| Coastal Erosion | No | FEMA Coastal Erosion Hazards Report (http://www.fema.gov/media-library/assets/documents/8397) | No risk of coastal erosion in AEMA Division C |
| Dam Failure | Yes | USACE National Inventory of Dams (http://geo.usace.army.mil/pgis/f?p=397:12:) | Population downstream from dams/ flooding concerns; no state regulation of dam safety |
| Drought / Extreme Heat | Yes | United States Drought Monitor (http://droughtmonitor.unl.edu/) NOAA National Climatic Data Center (http://www.ncdc.noaa.gov/stormevents/) | Historic incidents with damage/ regionwide |
| Earthquake | Yes | USGS Earthquake Hazards Program (http://earthquake.usgs.gov/earthquakes/) | Proximity to Southeast US seismic zones; previous occurrences |
| Flooding | Yes | NOAA National Climatic Data Center (http://www.ncdc.noaa.gov/stormevents/) | Historic incidents with damage / identified flood hazard areas |
| High Winds (Hurricanes, Tornadoes, Windstorms) | Yes | National Weather Service (NWS) Storm Data (http://www.srh.noaa.gov/bmx/?n=stormdata_main) NWS Tornado Database (http://www.srh.noaa.gov/bmx/?n=tornadodb_main) National Hurricane Center Data Archive (http://www.nhc.noaa.gov/data/#tcr) | Historic incidents with damage/ regionwide |

| Hazard | Risk | Source | Correlation with Region |
|---|---|---|---|
| Landslides | Yes | USGS Landslides Hazard Program (http://landslides.usgs.gov/hazards/nationalmap/) Geological Survey of Alabama, Landslides (http://gsa.state.al.us/gsa/geologichazards/Landslides.htm) | Susceptible areas to landslides/historic occurrences |
| Land Subsidence/ Sinkholes | Yes | Geological Survey of Alabama, Sinkholes in Alabama (http://gsa.state.al.us/gsa/geologichazards/Sinkholes_AL.htm ) | Susceptible areas to land subsidence / sinkholes |
| Tsunami | No | FEMA, Tsunami (http://m.fema.gov/tsunamis) | No risk: AEMA Division C is an inland area |
| Volcano | No | FEMA, Volcanoes (http://m.fema.gov/volcanoes) | No risk: AEMA Division C is not near an active volcanic area |
| Wildfire | Yes | Southern Wildfire Risk Assessment (www.southernwildfirerisk.com) | Historic incidents with damage / identified susceptible areas |
| Winter / Ice Storms | Yes | NOAA National Climatic Data Center (http://www.ncdc.noaa.gov/stormevents/) | Historic incidents with damage/regionwide |

Effects from high winds (primarily from tornadoes and severe storms) and flooding are regarded the most significant natural hazards affecting the planning area.

As explained earlier, each identified hazard has its own profile. This profile includes the following:

- **Background:** Provides general definitions and brief descriptions of the hazard, its characteristics, and potential effects.

- **Locations Affected:** Provides information on the geographic areas within the planning area that are susceptible to hazard occurrences. Locations affected are described regionally, unless a specific jurisdiction has different risks, which is further explained in comparison with the rest of the planning area.

- **Extent:** Provides information on the potential strength or magnitude of the hazard.

- **Historical Occurrences:** Provides information on the history of previous hazard events in the planning area, including their impacts.

- **Probability of Future Occurrence and Loss Estimation:** Describes the likelihood of future hazard occurrences in the planning area. Many hazards may affect the entire planning area, while other hazards are more localized due to specific factors. Quantitative and/or qualitative measures are provided based on appropriateness. Qualitative descriptions are drawn from historical occurrences and other risk factors.

Quantitative measures are calculated from past occurrence data. Because of the lack of comprehensive quantitative data on many of the hazards, susceptibility to future damage will be noted by categories of High, Medium, Low, or Very Low. These categories are described below.

- **High:** Probable major damage in a 1-10 Year Period
- **Medium:** Probable major damage in a 10-50 Year Period
- **Low:** Probable major damage in a 100 Year Period
- **Very Low:** No probable major damage in a 100 Year Period

## DAM/LEVEE FAILURE

### Background

Dam failure usually occurs when spillway capacity is inadequate, and water overtops the dam or when internal erosion through a dam's foundation occurs (also known as piping). If internal erosion or overtopping cause a full structural breach, a high-velocity, debris-laden wall of water is released and rushes downstream, damaging or destroying whatever is in its path.

Dam failures may result from one or more the following:

- Prolonged periods of rainfall and flooding (the cause of most failures);
- Inadequate spillway capacity which causes excess overtopping flows;
- Internal erosion due to embankment or foundation leakage or piping;
- Improper maintenance;
- Improper design;
- Negligent operation;
- Failure of upstream dams;
- Landslides into reservoirs;
- High winds;
- Earthquakes.

The State of Alabama is the only state without a dam safety program. Numerous attempts have been made over the years to pass dam safety legislation in the state, but all have failed. A statewide dam safety program is needed to protect lives and property, assist local officials in planning and responding to emergency situations, and to help dam owners control their liability.

### Locations Affected

Appendix B provides maps of dams listed in the NID by county and hazard classification. These maps can be used to visualize risk by jurisdiction. The National Inventory of Dams (NID) lists 797 dams in AEMA Division C. Of these, 28 are classified as high hazard dams. This information should be used with caution; it is considered outdated due to the lack of regulatory authority over dams in Alabama. The exact number of dams in the state is unknown due to the lack of tracking or permitting of private dams. In addition, it is estimated that the number of high risks dams is much higher.

The following dams have been identified during the planning process as having the potential for significant damage and/or loss of life in the event of failure:

- The Corps of Engineers manages several dams along the Alabama, Black Warrior, and Tombigbee Rivers in Division C. These large dams have extensive plans and procedures in place including emergency plans that would go into effect in the instance of failure. Failure of these dams would cause environmental damage, utility damage, and property damage. Human lives would potentially be at risk as a result of a failure.

- The City of Livingston and the University of West Alabama (UWA) have raised concerns regarding the Lake L.U. dam on UWA's campus. The failure of this dam could potentially result in loss of life, injuries, and property damage due to the construction of

apartment buildings four hundred feet from the structure. This high-density housing has raised concerns regarding the potential for loss of life in the event of the dam being compromised. In a report compiled by the Natural Resource Conservation Service (NRCS), it is anticipated that in the event the dam is compromised at least two of the building's bottom levels will be inundated with possibly up to six feet of water. It is also cited that with such proximity to the dam, water velocity would be high enough to cause significant structural damage to these buildings. UWA has an emergency action plan in place for this dam.

- The City of York has identified concerns with the Lake Louise Dam located on Toomsuba Creek. Failure of this dam could affect 50- 60 residences in the City of York.

Participating Boards of Education, institutions of higher learning, and medical centers do not have properties located in areas with a risk for dam failure.

**Extent**

Federal Guidelines for Dam Safety presents three classifications for "hazard potential." Extent cannot be determined in more detail than these classifications provide. Table 4.3 provides a description of these classifications.

**Table 4.3 Dam Hazard Classification**

| Hazard Potential Classification | Loss of Human Life | Economic, Environmental, Lifeline Losses |
|---|---|---|
| Low | None expected | Low-generally limited to owner |
| Significant | None expected | Yes |
| High | Probable-one or more expected | Yes |

***Source: Federal Guidelines for Dam Safety (Published April 2004)***

Table 4.4 includes extent by jurisdiction. A generalized discussion of extent for the entire planning region follows. Once the Office of Water Resources completes its study and furnishes a state classification of dams, a more detailed discussion will be presented in future plans.

For most of the dams in the Division C planning area, dam failure would result in flooding of several feet. Mainly agricultural areas, infrastructure, and isolated structures would be impacted. The extent would vary based on the storage of the affected dam and its proximity to infrastructure and structures. For larger dams or dams with High hazard potential, the extent of damage could be much greater and lead to loss of life along with economic, environmental, and lifeline losses. Again, without historical occurrences it is difficult to accurately predict extent.

**Historical Occurrences**

There are no sources of reliable records for dam failure in Division C. There are no documented occurrences of dam failures within the planning region.

**Probability of Future Occurrence and Loss Estimation**

There are no documented occurrences of dam failures within AEMA Division C planning area. Due to outdated and unreliable information, predicting the probability and estimated losses

resulting from dam failure accurately is impossible. Table 4.4 includes a summary of dam failure for all jurisdictions. The table indicates, if a high risk dam is located within a jurisdiction's boundaries. The table denotes "none" in the probability and extent columns for jurisdictions, based off NID information, which have no dams within their boundaries. For all jurisdictions with dams located within their boundaries, probability and future loss estimation are listed as *"unable to provide due to lack of information"* due to unreliable information. Until an updated inventory of dams is compiled, proper evaluation is impossible.

**Table 4.4 Dam Failure Summary by Jurisdiction**

| Jurisdiction | High Risk Dams Located in Jurisdiction | Historical Occurrences | Extent | Probability of Dam Failure | Future Loss Estimate |
|---|---|---|---|---|---|
| Bibb County (unincorporated) | Yes | 0 | * | * | * |
| City of Brent | No | 0 | None | None | None |
| City of Centreville | No | 0 | None | None | None |
| Town of West Blocton | No | 0 | None | None | None |
| Town of Woodstock | Yes | 0 | * | * | * |
| Dallas County (unincorporated) | Yes | 0 | * | * | * |
| City of Selma | No | 0 | None | None | None |
| City of Valley Grande | No | 0 | * | * | * |
| Town of Orville | No | 0 | None | None | None |
| Greene County (unincorporated) | No | 0 | * | * | * |
| City of Eutaw | No | 0 | None | None | None |
| Town of Boligee | No | 0 | * | * | * |
| Town of Forkland | No | 0 | None | None | None |
| Town of Union | No | 0 | None | None | None |
| Hale County (unincorporated) | No | 0 | * | * | * |
| City of Greensboro | No | 0 | None | None | None |
| City of Moundville | No | 0 | * | * | * |
| Town of Akron | No | 0 | None | None | None |
| Town of Newbern | No | 0 | None | None | None |
| Marengo County (unincorporated) | No | 0 | * | * | * |
| City of Demopolis | Yes | 0 | * | * | * |
| City of Linden | No | 0 | None | None | None |
| Town of Dayton | No | 0 | * | * | * |
| Town of Faunsdale | No | 0 | None | None | None |
| Town of Myrtlewood | No | 0 | None | None | None |
| Town of Providence | No | 0 | None | None | None |
| Town of Sweet Water | No | 0 | None | None | None |
| Town of Thomaston | No | 0 | * | * | * |
| Perry County (unincorporated) | No | 0 | * | * | * |
| City of Marion | No | 0 | * | * | * |
| City of Uniontown | No | 0 | * | * | * |
| Pickens County (unincorporated) | Yes | 0 | * | * | * |
| City of Aliceville | No | 0 | None | None | None |
| Town of Ethelsville | No | 0 | None | None | None |
| Town of Carrollton | No | 0 | * | * | * |
| Town of Gordo | No | 0 | None | None | None |
| Town of McMullen | No | 0 | None | None | None |
| Town of Memphis | No | 0 | None | None | None |

| Jurisdiction | High Risk Dams Located in Jurisdiction | Historical Occurrences | Extent | Probability of Dam Failure | Loss Estimate |
|---|---|---|---|---|---|
| Town of Pickensville | No | 0 | * | * | * |
| Town of Reform | No | 0 | * | * | * |
| Sumter County (unincorporated) | No | 0 | * | * | * |
| City of Livingston | No | 0 | * | * | * |
| City of York | No | 0 | * | * | * |
| Town of Cuba | No | 0 | None | None | None |
| Town of Emelle | No | 0 | None | None | None |
| Town of Epes | No | 0 | None | None | None |
| Town of Gainsville | No | 0 | None | None | None |
| Town of Geiger | No | 0 | None | None | None |
| Tuscaloosa County (unincorporated) | Yes | 0 | * | * | * |
| City of Northport | Yes | 0 | * | * | * |
| City of Tuscaloosa | Yes | 0 | * | * | * |
| Town of Brookwood | No | 0 | * | * | * |
| Town of Coaling | Yes | 0 | * | * | * |
| Town of Coker | No | 0 | None | None | None |
| Town of Lakeview | Yes | 0 | * | * | * |
| Town of Vance | No | 0 | None | None | None |
| Wilcox County (unincorporated) | No | 0 | * | * | * |
| City of Camden | No | 0 | None | None | None |
| Town of Pine Hill | No | 0 | None | None | None |
| Town of Pine Apple | No | 0 | None | None | None |
| Town of Oak Hill | No | 0 | None | None | None |
| Town of Yellow Bluff | No | 0 | None | None | None |
| ** Unable to provide due to lack of data* | | | | | |

## DROUGHT/ EXTREME HEAT

### Background

***Drought***

The National Weather Service defines drought as a persistent and abnormal moisture deficiency having adverse impacts on vegetation, animals, and people. Meteorological, hydrological, and agricultural are the three types of droughts. Meteorological droughts occur when precipitation departs from normal amounts, high temperatures may also play a role in this type of drought. Hydrological droughts are deficiencies in surface or subsurface water levels. Agricultural droughts occur when there is not enough soil moisture to support crop growth. Drought conditions are prevalent in much of the United States during the summer months. Occurrences of drought are typically classified as described in Table 4.5.

**Table 4.5 Drought Classifications**

| | |
|---|---|
| **Meteorological Drought** | Departure of actual precipitation from an expected average or normal amount based on monthly, seasonal, or annual time scales. |
| **Hydrologic Drought** | Effects of precipitation shortfalls on stream flows and reservoir, lake, and groundwater levels. |
| **Agricultural Drought** | Soil moisture deficiencies relative to water demands of plant life, usually crops. |
| **Socioeconomic Drought** | Effects of demands for water exceeding the supply as a result of a weather-related supply shortfall. |

***Source: FEMA's Multi-Hazard Identification and Risk Assessment (MHIRA) (Published January 1997)***

Drought differs from other natural hazards in three ways. First, the onset and end of a drought are difficult to determine due to the slow accumulation and lingering of effects of an event after its apparent end. Second, the lack of an exact and universally accepted definition adds to the confusion of its existence and severity. Third, in contrast with other natural hazards, the impact of drought is less obvious and may be spread over a larger geographic area. These characteristics have hindered the preparation of drought contingency or mitigation plans by many governments.

The State of Alabama Office of Water Resources has produced the *Alabama Drought Management Plan* that was finalized in November 2018. The plan provides guidance and defines processes to address drought and drought-related activities. Activities addressed in the plan include monitoring climatic conditions, defining declaration levels and triggers, developing impact assessments, response recommendations, and mitigation actions.

***Extreme Heat***

Extreme heat is defined as temperatures that are ten or more degrees or higher than average daily temperatures and last for several weeks. Extreme heat can damage an area economically by resulting in crop losses. The health of persons living and working within the area is also threatened. Health conditions that result from extreme heat range from mild to severe. These conditions include sunburn, heat cramps, heat exhaustion, and heat stroke. Heat can be deadly regardless of the length of time it persists. The National Weather Service issues three types of heat related advisories:

• Excessive Heat Outlooks are issued when the potential exists for an excessive heat event in the next 3-7 days. An outlook provides information to those who need considerable lead time to prepare for the event, such as public utility staff, emergency managers and public health officials.

• Excessive Heat Watches are issued when conditions are favorable for an excessive heat event in the next 24 to 72 hours. A watch is used when the risk of a heat wave has increased but its occurrence and timing are still uncertain. A watch provides enough lead time so that those who need to prepare can do so, such as cities officials who have excessive heat event mitigation plans.

• Excessive Heat Warning/Advisories are issued when an excessive heat event is expected in the next 36 hours. These products are issued when an excessive heat event is occurring, is imminent, or has a very high probability of occurring. The warning is used for conditions posing a threat to life. An advisory is for less serious conditions that cause significant discomfort or inconvenience and, if caution is not taken, could lead to a threat to life.

**Locations Affected**

***Drought &Extreme Heat***

The entire planning area is susceptible to the occurrence of extreme heat and drought. AEMA Division C is prone to unpredictable precipitation patterns including extended periods of below-average rainfall which lead to drought conditions. High, subtropical temperatures are common in Alabama's blackbelt. The area is especially susceptible to these events during the summer months. The nature of these two hazards lead to the entire area sharing the same susceptibility.

**Extent**

***Drought***

The United States Drought Monitor classifies drought in five levels of intensity. The least intense level is classified as D1 with D4 being the most intense level. An area classified as D0 is not in drought but is experiencing abnormally dry conditions. Drought intensity categories are based on numerous factors including soil moisture, vegetation health, streamflow data, precipitation data, and local observations. Table 4.6 provides a description of each level of intensity.

**Table 4.6 U.S. Drought Monitor Classification Scheme**

| | | | Ranges | | | | |
|---|---|---|---|---|---|---|---|
| **Category** | **Description** | **Possible Impacts** | **Palmer Drought Severity Index (PDSI)** | **CPC Soil Moisture Model (Percentiles)** | **USGS Weekly Streamflow (Percentiles)** | **Standardized Precipitation Index (SPI)** | **Objective Drought Indicator Blends (Percentiles)** |
| **D0** | **Abnormally Dry** | **Going into drought:**<br>***short-term dryness slowing planting, growth of crops or pastures**<br>**Coming out of drought:**<br>***some lingering water deficits**<br>***pastures or crops not fully recovered** | **-1.0 to -1.9** | **21 to 30** | **21 to 30** | **-0.5 to -0.7** | **21 to 30** |
| **D1** | **Moderate Drought** | ***Some damage to crops, pastures**<br>***Streams, reservoirs, or wells low, some water shortages developing or imminent**<br>***Voluntary water-use restrictions requested** | **-2.0 to -2.9** | **11 to 20** | **11 to 20** | **-0.8 to -1.2** | **11 to 20** |
| **D2** | **Severe Drought** | ***Crop or pasture losses likely**<br>***Water shortages common**<br>***Water restrictions imposed** | **-3.0 to -3.9** | **6 to 10** | **6 to 10** | **-1.3 to -1.5** | **6 to 10** |
| **D3** | **Extreme Drought** | ***Major crop/pasture losses**<br>***Widespread water shortages or restrictions** | **-4.0 to -4.9** | **3 to 5** | **3 to 5** | **-1.6 to -1.9** | **3 to 5** |
| **D4** | **Exceptional Drought** | ***Exceptional and widespread crop/pasture losses**<br>***Shortages of water in reservoirs, streams, and wells creating water emergencies** | **-5.0 or less** | **0 to 2** | **0 to 2** | **-2.0 or less** | **0 to 2** |

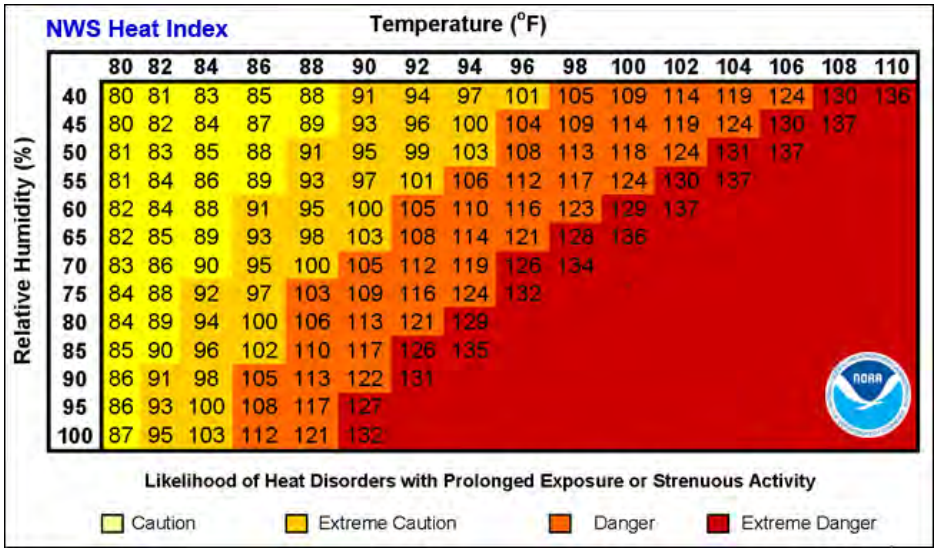
***Source: https://droughtmonitor.unl.edu/About/AbouttheData/DroughtClassification.aspx***
***Last Accessed on 1/13/20***

Drought conditions will occur in Division C in the future. In the past all levels of drought have been experienced in the area. It can be expected that D0-D4 category droughts will be experienced in the future. In Division C, droughts affect the water supply available for residents in the affected areas. Residents that rely on private wells face significant issues during drought periods. Farmers that rely on water sources dependent on precipitation also face challenges watering their livestock. Drought conditions damage crops causing economic losses for farmers. Drought conditions provide an environment more susceptible to wildfire. With drought conditions in place, water supply to fight wildfires is affected. Droughts lead to recreation and navigation issues along main rivers and streams.

***Extreme Heat***

For the region, extreme heat can be defined as repeated instances of temperatures over 100 degrees Fahrenheit and associated heat index values over 100 degrees Fahrenheit. These conditions occur frequently and are expected to continue to occur in Division C in the future. Due to the regions' climate, high temperatures coupled with high humidity are a common occurrence. There is no extent scale relating to extreme heat, but the heat index can be used to illustrate the effects of the hazard. The heat index is a measure of how hot it feels when relative humidity is considered with the actual air temperature. Table 4.7 provides a guide to how dangerous higher temperatures can be when occurring with high humidity.

**Table 4.7 Heat Index**




***Source: https://www.weather.gov/safety/heat-index***

**Historical Occurrences**

AEMA-Division C has experienced multiple instances of extreme heat and drought. Generally, occurrences of extreme heat and drought occur in short-term periods, which are less than 6 months. These events most commonly occur in the summer and fall seasons. By reviewing data from the U.S. Drought Monitor all counties in Division C experienced some degree of drought between 2010 and 2019. Table 4.8 provides a summary of drought conditions in the region since 2014. No records for this time period were found for extreme heat.

**Table 4.8 Division C Drought Occurrences 2014-2019**

| Location | Beginning Date | Deaths | Injuries | Property Damage | Crop Damage | Description |
|---|---|---|---|---|---|---|
| Sumter, Bibb, Hale, Pickens, Greene, Marengo | 10/18/2016 | 0 | 0 | $0.00 | $0.00 | Extreme Drought Conditions (D3) developed. |
| Perry, Marengo | 10/18/2016 | 0 | 0 | $0.00 | $0.00 | Severe Drought Conditions (D2) developed. |
| Tuscaloosa | 11/1/2016 | 0 | 0 | $0.00 | $0.00 | Drought intensity increased from Extreme (D3) to Exceptional (D4). |

| Table 4.8 Division C Drought Occurrences 2014-2019 (continued) | | | | | | |
|---|---|---|---|---|---|---|
| **Location** | **Beginning Date** | **Deaths** | **Injuries** | **Property Damage** | **Crop Damage** | **Description** |
| Wilcox | 11/1/2016 | 0 | 0 | $0.00 | $0.00 | Extreme Drought Conditions (D3). |
| Perry, Marengo | 11/1/2016 | 0 | 0 | $0.00 | $0.00 | Drought intensity increased from Severe (D2) to Extreme (D3). |
| Bibb, Hale, Greene, Sumter, Pickens | 11/1/2016 | 0 | 0 | $0.00 | $0.00 | Drought intensity stayed at Extreme (D3). |
| Dallas | 11/15/2016 | 0 | 0 | $0.00 | $0.00 | Drought intensity increased from Moderate (D1) to Extreme (D3). |
| Wilcox | 12/1/2016 | 0 | 0 | $0.00 | $0.00 | Extreme Drought Conditions (D3). |
| Tuscaloosa | 12/1/2016 | 0 | 0 | $0.00 | $0.00 | Drought classification remained at (D4) Exceptional. |
| Bibb, Perry, Marengo, Hale, Greene, Pickens | 12/1/2016 | 0 | 0 | $0.00 | $0.00 | Drought classification remained at (D3) Extreme. |
| Dallas, Sumter | 12/1/2016 | 0 | 0 | $0.00 | $0.00 | Drought classification lowered from (D3) Extreme to (D2) Severe due to above normal rainfall. |
| Sumter, Greene, Hale, Perry | 1/1/2017 | 0 | 0 | $0.00 | $0.00 | Rainfall totals of 8-10 inches reduced the drought intensity to below D2 levels. |
| Pickens | 1/1/2017 | 0 | 0 | $0.00 | $0.00 | Above normal rainfall helped reduce the drought intensity from a D3 to a D2. |
| Tuscaloosa | 1/1/2017 | 0 | 0 | $0.00 | $0.00 | Above normal rainfall helped reduce the drought intensity from a D4 to a D3. |
| Bibb | 1/1/2017 | 0 | 0 | $0.00 | $0.00 | Above normal rainfall helped reduce the drought intensity from a D3 to a D2. |
| Marengo, Dallas | 1/1/2017 | 0 | 0 | $0.00 | $0.00 | Heavy rainfall during the first few days of January lowered the drought intensity to a D1 category. |
| Pickens | 2/1/2017 | 0 | 0 | $0.00 | $0.00 | Below normal rainfall and above normal temperatures caused the drought intensity to increase from D2 to D3. |
| Tuscaloosa | 2/1/2017 | 0 | 0 | $0.00 | $0.00 | Below normal rainfall and above normal temperatures maintained the drought intensity at D3. |
| Bibb | 2/1/2017 | 0 | 0 | $0.00 | $0.00 | Below normal rainfall and above normal temperatures maintained the drought intensity at D2. |
| Sumter, Hale, Greene | 2/21/2017 | 0 | 0 | $0.00 | $0.00 | Below normal rainfall and above normal temperatures caused the drought intensity to change from a D1 to a D2 status. |
| Sumter, Greene, Hale, Bibb | 3/1/2017 | 0 | 0 | $0.00 | $0.00 | Significant rainfall during the month of March lowered the drought intensity to a D1 category. |

| Table 4.8 Division C Drought Occurrences 2014-2019 (continued) | | | | | | |
|---|---|---|---|---|---|---|
| **Location** | **Beginning Date** | **Deaths** | **Injuries** | **Property Damage** | **Crop Damage** | **Description** |
| Pickens, Tuscaloosa | 3/1/2017 | 0 | 0 | $0.00 | $0.00 | Near to slightly above normal rainfall during the month of March lowered the drought intensity from a D3 to a D2. |
| Pickens | 4/1/2017 | 0 | 0 | $0.00 | $0.00 | Significant rainfall during early April lowered the drought intensity to a D1 category. |
| Tuscaloosa | 4/1/2017 | 0 | 0 | $0.00 | $0.00 | Near normal rainfall during the month of April maintained the drought intensity at D2. |
| Tuscaloosa | 5/1/2017 | 0 | 0 | $0.00 | $0.00 | Significant rainfall during the month of May lowered the drought intensity to a D1 category. |
| Tuscaloosa | 1/16/2018 | 0 | 0 | $0.00 | $0.00 | Much below normal rainfall caused the drought intensity to worsen from a D1 at the beginning of the month to a D3 by the end of the month. |
| Bibb, Pickens | 1/23/2018 | 0 | 0 | $0.00 | $0.00 | Much below normal rainfall caused the drought intensity to worsen from a D1 to a D2. |
| Bibb, Pickens | 2/1/2018 | 0 | 0 | $0.00 | $0.00 | Significant rainfall during the first half of the month of February lowered the drought intensity to a D0 category. |
| Tuscaloosa | 2/1/2018 | 0 | 0 | $0.00 | $0.00 | Significant rainfall during the first half of the month of February lowered the drought intensity to a D1 category. |

***Source: NOAA Storm Events Database***

Historical occurrences before 2014, can be accessed through the NOAA Storm Events Database site at https://www.ncdc.noaa.gov/stormevents/.

**Probability of Future Occurrence and Loss Estimation**

The probability of drought and extreme heat occurring within the region is relatively high for every jurisdiction. The majority of jurisdictions in the region can manage milder cases of drought and heat waves that occur occasionally, which render minor impacts. The probability of an impactful drought or an extreme heat event occurring in the planning area is classified as medium (10-50 years).

The risk of losses from drought and extreme heat cannot be calculated quantitatively due to the lack of historic data. Qualitative documentation shows evidence that drought and extreme heat conditions cause agricultural losses and water quantity issues, but it is difficult to define the exact impact from this hazard. Using the probabilities discussed earlier in the risk assessment, an estimation of loss of "medium" has been assigned to drought. A medium classification correlates with probable major damage in a 10-50 year period.

Table 4.9 provides a summary of quantitative probability and losses by county. NOAA Storm Events Database info for the entire available timeframe (January 1950-June 2020) was used in these calculations. This information is only available at the county level.

**Table 4.9 Hazard Probability and Damage Estimates – Extreme Heat and Drought***

| Hazard | Occurrences° | Damages Recorded | Probability (Events per Year) | Estimated Future Damage |
|---|---|---|---|---|
| Bibb | 34 | N/A | 2.4 | Medium |
| Dallas | 27 | N/A | 1.9 | Medium |
| Greene | 20 | N/A | 1.4 | Medium |
| Hale | 27 | N/A | 1.9 | Medium |
| Marengo | 21 | N/A | 1.5 | Medium |
| Perry | 28 | N/A | 2.0 | Medium |
| Pickens | 24 | N/A | 1.7 | Medium |
| Sumter | 20 | N/A | 1.4 | Medium |
| Tuscaloosa | 31 | N/A | 2.2 | Medium |
| Wilcox | 2 | N/A | 0.1 | Medium |

*Information available only at county level
°Occurrence data taken from the NOAA Storm Events Database and cover a 14 year time period
N/A: Historical damage data not available

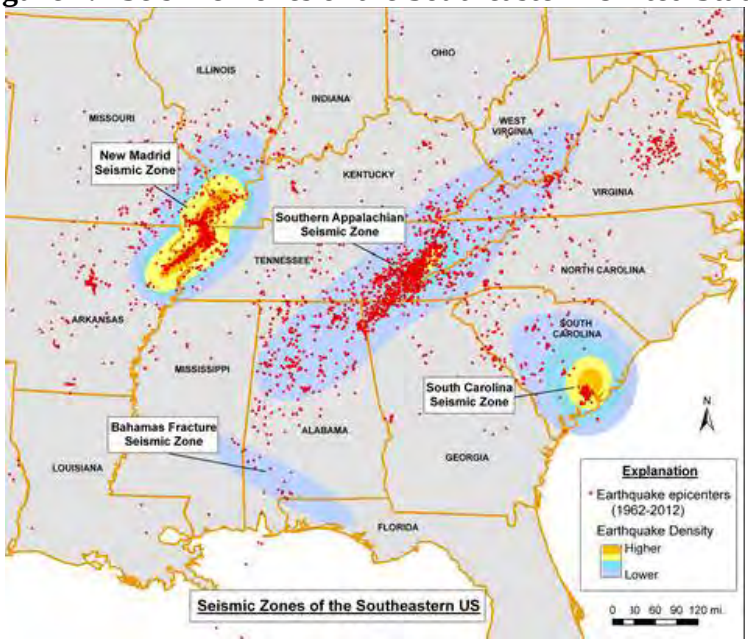
## EARTHQUAKES

### Background

The USGS defines an earthquake as a sudden slip on a fault. The Earth's tectonic plates are always moving relative to each other, but they can get stuck at their edges due to friction. When the stress on the edge of a plate overcomes the friction, there is an earthquake that releases energy in waves that travel through the earth's crust and causes the shaking that we feel. The hazards associated with earthquakes include anything that can affect the lives of humans, including surface faulting, ground shaking, landslides, liquefaction, tectonic deformation, tsunamis, and seiches. Earthquake risk is defined as the probability of damage and loss that would result if an earthquake were to occur.

Although many areas of the United States are better known for their susceptibility, earthquakes do occur in Alabama. There are four seismic zones that affect the state; these zones are the New Madrid Seismic Zone, Southern Appalachian Seismic Zone, Bahamas Fracture Seismic Zone, and the South Carolina Seismic Zone (SCSZ) (Figure 4.1). A portion of Pickens and Tuscaloosa counties lie in the Southern Appalachian Seismic Zone. No other counties in the division are located within a seismic zone.

**Figure 4.1 Seismic Zones of the Southeastern United States**



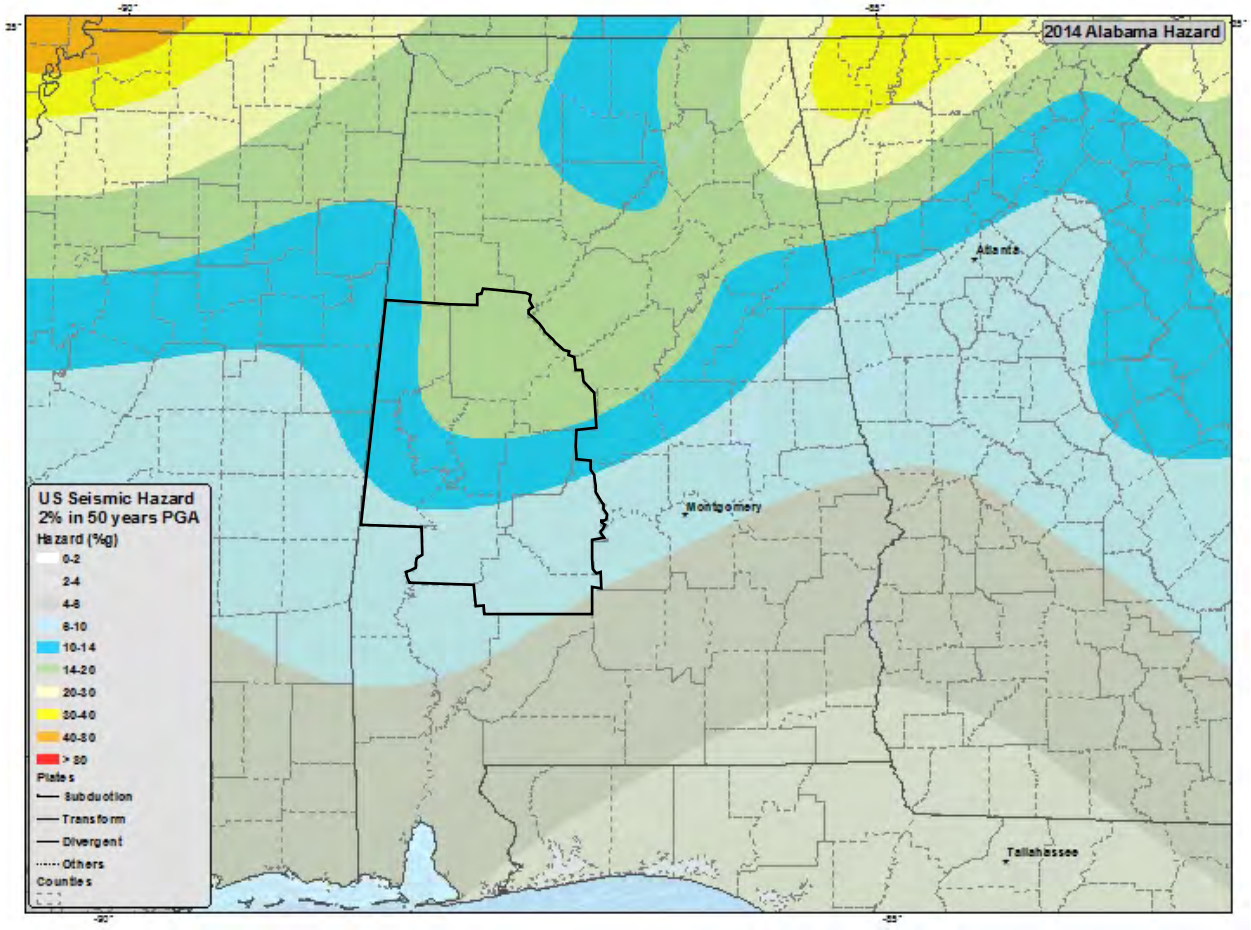

***Source: https://www.gsa.state.al.us/gsa/geologic/hazards/earthquakes/alquakes***

### Locations Affected

Seismic hazard is the hazard associated with potential earthquakes in an area. The United States Geological Survey (USGS) publishes maps that estimate earthquake probabilities within a radius of 50 kilometers (km) for a certain time span. These maps show likelihood of exceeding a level of earthquake shaking in each time period. The shaking intensity is measured in peak ground acceleration (PGA) which is acceleration (shaking) of the ground expressed as a percentage of gravity (%g), or as a percentage of 9.8 meters per second squared. Figure 4.2 is the seismic

hazard map for Alabama. As you move north in Division C, the seismic risk increases. Tuscaloosa, Bibb, and portions of Perry, Hale, Greene, and Pickens have the highest risk with a 2% chance of shaking exceeding between 16-20%g in the next 50 years.

**Figure 4.2 U.S. Seismic Hazard 2% in 50 Years PGA**




***Source: United States Geological Survey***
***http://earthquake.usgs.gov/earthquakes/states/alabama/hazards.php***
***Accessed on 12/19/19***

## Extent

Earthquakes are measured in various ways. The Richter Magnitude Scale measures an earthquake's magnitude. The magnitude is calculated from the amplitude of waves recorded by seismographs. The scale ranges from 1 to 9, with a measure of 1 being recorded but not felt, and a measure of 9 being a great earthquake that causes damage over a large area. The scale is logarithmic, meaning each whole number increase in magnitude represents a tenfold increase in measured amplitude. Each whole number step in the magnitude scale corresponds to the release of about 31 times more energy than the amount associated with the preceding whole number value.

More recently, a more uniformly applicable extension of the magnitude scale, known as moment magnitude, or Mw, was developed. For very large earthquakes, moment magnitude gives the most reliable estimate of earthquake size. It is a physical quantity proportional to the slip on the

fault multiplied by the area of the fault surface that slips. Moment magnitude can be estimated from seismograms. The moment magnitude is then converted into a number like other earthquake magnitudes by a standard formula.

The Modified Mercalli Intensity Scale measures the earthquake's intensity, or the damage caused (Table 4.10). The Modified Mercalli Intensity Scale has measurements from I to XII, with I being hardly felt, if at all, and XII being total destruction of the surface. The scale does not have a mathematical basis; instead it is an arbitrary ranking based on observed effects.

**Table 4.10 Modified Mercalli Earthquake Measurement Scale**

| PGA ( %g) | Magnitude (Richter) | Intensity (MMI) | Description (MMI) |
|---|---|---|---|
| <0.17 – 1.4 | 1.0 – 3.0 | I | Not felt except by a very few under especially favorable conditions. |
| 0.17 – 1.4 | 3.0 – 3.9 | II – III | II. Felt only by a few persons at rest, especially on upper floors of buildings.<br><br>III. Felt quite noticeably by persons indoors, especially on upper floors of buildings. Many people do not recognize it as an earthquake. Standing motor cars may rock slightly. Vibrations similar to the passing of a truck. Duration estimated. |
| 1.4 – 9.2 | 4.0 – 4.9 | IV – V | IV. Felt indoors by many, outdoors by few during the day. At night, some awakened. Dishes, windows, doors disturbed; walls make cracking sound. Sensation like heavy truck striking building. Standing motor cars rock noticeably.<br><br>V. Felt by nearly everyone; many awakened. Some dishes, windows broken. Unstable objects overturned. Pendulum clocks may stop. |
| 9.2 – 34 | 5.0 – 5.9 | VI – VII | VI. Felt by all, many frightened. Some heavy furniture moved; a few instances of fallen plaster. Damage slight.<br><br>VII. Damage negligible in buildings of good design and construction; slight to moderate in well-built ordinary structures; considerable damage in poorly built or badly designed structures; some chimneys broken. |
| 34 – 124 | 6.0 – 6.9 | VIII – IX | VIII. Damage slight in specially designed structures; considerable damage in ordinary substantial buildings with partial collapse. Damage great in poorly built structures. Fall of chimneys, factory stacks, columns, monuments, walls. Heavy furniture overturned.<br><br>IX. Damage considerable in specially designed structures; well-designed frame structures thrown out of plumb. Damage great in substantial buildings, with partial collapse. Buildings shifted off foundations. |
| >124 | 7.0 and higher | VIII or Higher | X. Some well-built wooden structures destroyed; most masonry and frame structures destroyed with foundations. Rails bent. |

| Table 4.10 Modified Mercalli Earthquake Measurement Scale | | | |
|---|---|---|---|
| **PGA ( %g)** | **Magnitude (Richter)** | **Intensity (MMI)** | **Description (MMI)** |
| | | | XI. Few, if any (masonry) structures remain standing. Bridges destroyed. Rails bent greatly.<br><br>XII. Damage total. Lines of sight and level are distorted. Objects thrown into the air. |
| ***Source: United States Geological Survey http://earthquake.usgs.gov Last accessed 12/19/2019*** | | | |

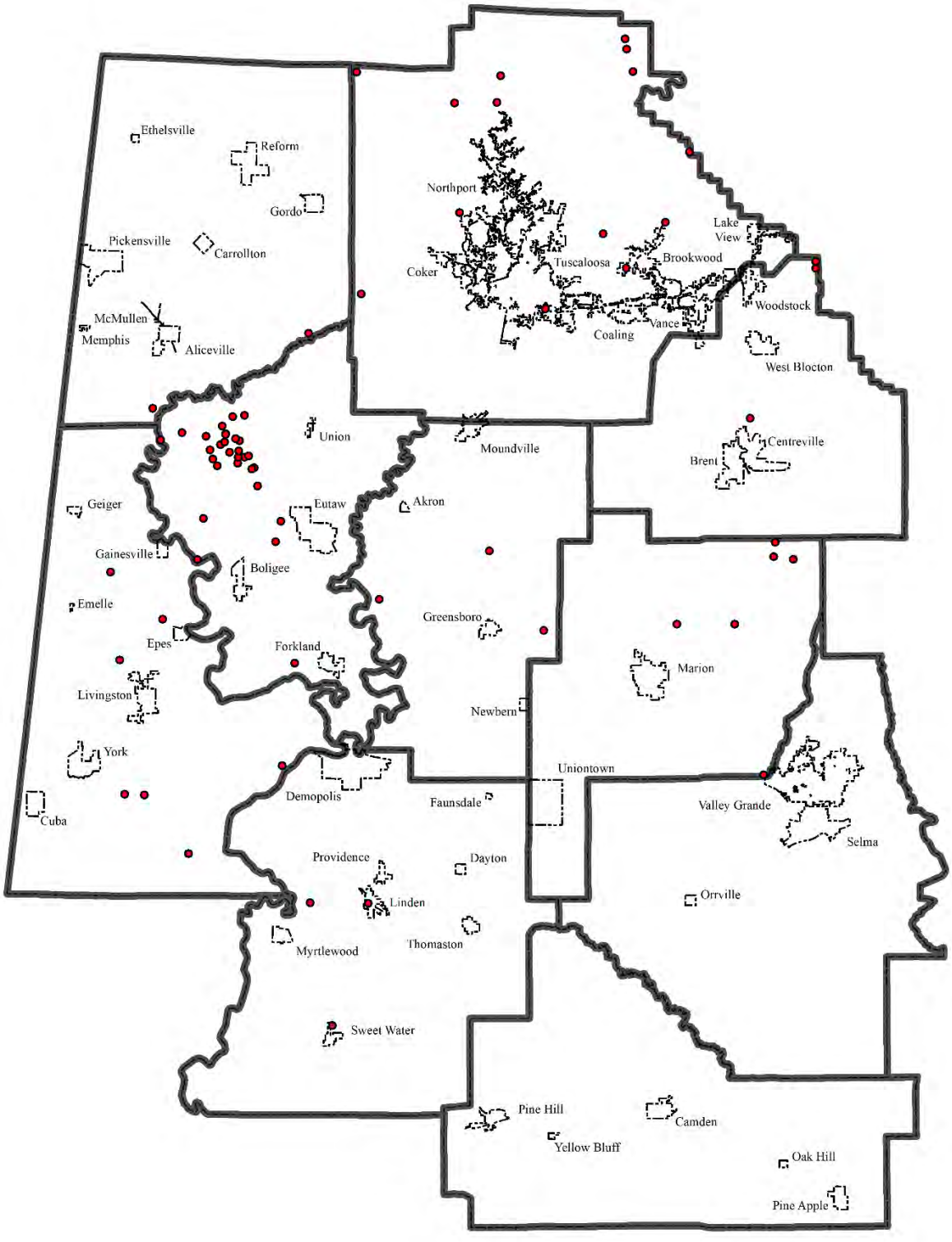
Numerous factors can affect the extent of an earthquake's damage. The type of construction materials along with construction method is a main factor. Areas where more earthquake resistant materials and building methods are implemented experience significantly less damage. Another factor is the existence and enforcement of building codes. These regulations lead to more disaster resistant communities.

In Division C, earthquakes up to 4.5 on the Richter Scale have occurred. An earthquake of this magnitude is noticeable to people indoors primarily. The average intensity of earthquakes in the planning area is 2.7, which is a very weak earthquake. These earthquakes are usually identified by the review of seismograms. Table 4.12 includes an extent summary for each jurisdiction.

**Historical Occurrences**

There are recorded earthquake occurrences for every county in Division C except for Wilcox County (Figure 4.3 & Table 4.11). The magnitude of most of these quakes has been reported as falling between 1 and 3 on the Richter Scale. Quakes of these magnitudes are often not felt and only detected by scientific instruments. There have been four earthquakes with magnitudes over four. These events are more noticeable but do not lead to structural damage.

## Figure 4.3 Division C Historic Earthquake Occurrences




**Source Data: Geological Survey of Alabama Geospatial Data**
**Map Produced by**

**Table 4.11 Division C Historic Earthquake Incidences**

| County | Year | Magnitude | Latitude | Longitude |
|---|---|---|---|---|
| Bibb | 2004 | 1.8 | 33.2300 | -87.0300 |
| Bibb | 2004 | 2.0 | 33.2400 | -87.0300 |
| Dallas | 2004 | 2.1 | 32.4900 | -87.1200 |
| Greene | 1992 | 2.4 | 32.7440 | -87.7850 |
| Greene | 1994 | 2.5 | 33.0200 | -88.1800 |
| Greene | 2002 | 3.1 | 32.8000 | -88.1000 |
| Greene | 2004 | 2.6 | 32.9600 | -88.0800 |
| Greene | 2004 | 4.3 | 32.6500 | -87.9300 |
| Greene | 2006 | 2.5 | 32.8600 | -88.0900 |
| Greene | 2009 | 2.0 | 32.8570 | -87.9560 |
| Greene | 2009 | 2.3 | 32.8270 | -87.9650 |
| Greene | 2014 | 3.8 | 32.9410 | -88.0320 |
| Greene | 2014 | 3.4 | 32.9500 | -88.0200 |
| Greene | 2015 | 2.7 | 33.011 | -88.021 |
| Greene | 2015 | 3.0 | 32.9080 | -87.9970 |
| Greene | 2015 | 2.4 | 32.9840 | -88.0530 |
| Greene | 2015 | 3.0 | 32.9500 | -88.0310 |
| Greene | 2015 | 2.2 | 32.9570 | -88.0460 |
| Greene | 2015 | 2.4 | 32.9680 | -88.0620 |
| Greene | 2015 | 3.2 | 33.0090 | -88.0410 |
| Greene | 2015 | 3.1 | 32.9370 | -88.0670 |
| Greene | 2015 | 3.1 | 32.9720 | -88.0550 |
| Greene | 2015 | 2.3 | 32.9470 | -88.0750 |
| Greene | 2015 | 2.1 | 32.9740 | -88.0290 |
| Greene | 2015 | 1.5 | 32.9850 | -88.1290 |
| Greene | 2015 | 1.8 | 32.9770 | -88.0360 |
| Greene | 2015 | 1.8 | 32.9770 | -88.0360 |
| Greene | 2015 | 3.0 | 32.9350 | -88.0030 |
| Greene | 2015 | 2.1 | 32.9830 | -88.0530 |
| Greene | 2015 | 2.1 | 32.9950 | -88.0590 |
| Greene | 2015 | 3.5 | 32.9590 | -88.0300 |
| Greene | 2015 | 1.5 | 32.9740 | -88.1660 |
| Greene | 2015 | 2.3 | 32.9520 | -88.0130 |
| Greene | 2016 | 2.3 | 32.9330 | -88.0070 |
| Greene | 2016 | 2.6 | 32.9800 | -88.0870 |
| Hale | 1917 | 2.2 | 32.7000 | -87.5000 |
| Hale | 1988 | 2.4 | 32.8160 | -87.5950 |
| Hale | 1998 | 4.0 | 32.5000 | -87.9500 |
| Marengo | 1886 | 1.2 | 32.3000 | -87.8000 |
| Marengo | 1886 | 3.2 | 32.3000 | -87.9000 |
| Perry | 1987 | 2.8 | 32.7100 | -87.2700 |
| Perry | 2000 | 2.4 | 32.7100 | -87.1700 |
| Perry | 2009 | 2.2 | 32.8050 | -87.0690 |
| Perry | 2009 | 3.3 | 32.8300 | -87.1000 |
| Perry | 2009 | 3.8 | 33.0110 | -87.1440 |

| Table 4.11 Division C Historic Earthquake Incidences (continued) | | | | |
|---|---|---|---|---|
| **County** | **Year** | **Magnitude** | **Latitude** | **Longitude** |
| Perry | 2009 | 2.9 | 32.8090 | -87.1030 |
| Pickens | 1971 | 3.2 | 33.1320 | -87.9110 |
| Pickens | 1999 | 2.1 | 33.5360 | -87.9620 |
| Sumter | 1978 | 3.0 | 32.7800 | -88.2500 |
| Sumter | 1998 | 2.8 | 32.3700 | -88.1100 |
| Sumter | 2002 | 3.0 | 32.4560 | -88.2210 |
| Sumter | 2006 | 2.6 | 32.7120 | -88.1590 |
| Sumter | 2009 | 2.1 | 32.4550 | -88.1870 |
| Sumter | 2017 | 2.1 | 32.6520 | -88.2320 |
| Tuscaloosa | 1975 | 3.4 | 33.5500 | -87.3600 |
| Tuscaloosa | 1986 | 4.5 | 33.2300 | -87.3600 |
| Tuscaloosa | 1988 | 1.5 | 33.5100 | -87.5800 |
| Tuscaloosa | 1992 | 3.0 | 33.1700 | -87.5000 |
| Tuscaloosa | 1995 | 3.4 | 33.1900 | -87.8200 |
| Tuscaloosa | 1995 | 3.3 | 33.4700 | -87.6600 |
| Tuscaloosa | 1998 | 2.9 | 33.3100 | -87.6500 |
| Tuscaloosa | 1999 | 4.0 | 33.4000 | -87.2500 |
| Tuscaloosa | 2003 | 2.7 | 33.5140 | -87.8310 |
| Tuscaloosa | 2008 | 3.1 | 33.2800 | -87.4000 |
| Tuscaloosa | 2012 | 1.7 | 33.2970 | -87.2920 |
| Tuscaloosa | 2017 | 2.7 | 33.5170 | -87.3490 |
| Tuscaloosa | 2017 | 2.6 | 33.5650 | -87.3630 |
| Tuscaloosa | 2017 | 2.3 | 33.4710 | -87.5860 |

***Source: Geological Survey of Alabama***

**Probability of Future Occurrence and Loss Estimation**

Historically, earthquakes have occurred in all counties in the division except Wilcox. Overall, the occurrence of earthquakes in Division C is likely. The probability of a high intensity quake in the division is low.

Table 4.12 provides a summary of extent, probability, and estimated losses by jurisdiction.

**Table 4.12 Earthquake Summary by Jurisdiction**

| Jurisdiction | Historical Occurrences | Extent | Probability | Loss Estimate |
|---|---|---|---|---|
| Bibb County (unincorporated) | 2 | Not felt except by a very few under especially favorable conditions. | Low | Low |
| City of Brent | 0 | * | Low | Low |
| City of Centreville | 0 | * | Low | Low |
| Town of West Blocton | 0 | * | Low | Low |
| Town of Woodstock | 0 | * | Low | Low |

| Jurisdiction | Historical Occurrences | Extent | Probability | Loss Estimate |
|---|---|---|---|---|
| Dallas County (unincorporated) | 1 | Not felt except by a very few under especially favorable conditions. | Low | Low |
| City of Selma | 0 | * | Low | Low |
| City of Valley Grande | 0 | * | Low | Low |
| Town of Orville | 0 | * | Low | Low |
| Greene County (unincorporated) | 32 | Dishes, windows, doors disturbed; walls make cracking sound. Sensation like heavy truck striking building. | Low | Low |
| City of Eutaw | 0 | * | Low | Low |
| Town of Boligee | 0 | * | Low | Low |
| Town of Forkland | 0 | * | Low | Low |
| Town of Union | 0 | * | Low | Low |
| Hale County (unincorporated) | 3 | Dishes, windows, doors disturbed; walls make cracking sound. Sensation like heavy truck striking building. | Low | Low |
| City of Greensboro | 0 | * | Low | Low |
| City of Moundville | 0 | * | Low | Low |
| Town of Akron | 0 | * | Low | Low |
| Town of Newbern | 0 | * | Low | Low |
| Marengo County (unincorporated) | 1 | Standing motor cars may rock slightly. Vibrations similar to the passing of a truck. | Low | Low |
| City of Demopolis | 0 | None | Low | Low |
| City of Linden | 1 | Not felt except by a very few under especially favorable conditions. | Low | Low |
| Town of Dayton | 0 | * | Low | Low |
| Town of Faunsdale | 0 | * | Low | Low |
| Town of Myrtlewood | 0 | * | Low | Low |
| Town of Providence | 0 | * | Low | Low |
| Town of Sweet Water | 0 | * | Low | Low |
| Town of Thomaston | 0 | * | Low | Low |
| Perry County (unincorporated) | 5 | Standing motor cars may rock slightly. Vibrations similar to the passing of a truck. | Low | Low |

| Jurisdiction | Historical Occurrences | Extent | Probability | Loss Estimate |
|---|---|---|---|---|
| City of Marion | 0 | * | Low | Low |
| City of Uniontown | 0 | * | Low | Low |
| Pickens County (unincorporated) | 2 | Standing motor cars may rock slightly. Vibrations similar to the passing of a truck. | Low | Low |
| City of Aliceville | 0 | * | Low | Low |
| Town of Ethelsville | 0 | * | Low | Low |
| Town of Carrollton | 0 | * | Low | Low |
| Town of Gordo | 0 | * | Low | Low |
| Town of McMullen | 0 | * | Low | Low |
| Town of Memphis | 0 | * | Low | Low |
| Town of Pickensville | 0 | * | Low | Low |
| Town of Reform | 0 | * | Low | Low |
| Sumter County (unincorporated) | 7 | Standing motor cars may rock slightly. Vibrations similar to the passing of a truck. | Low | Low |
| City of Livingston | 0 | * | Low | Low |
| City of York | 0 | * | Low | Low |
| Town of Cuba | 0 | * | Low | Low |
| Town of Emelle | 0 | * | Low | Low |
| Town of Epes | 0 | * | Low | Low |
| Town of Gainsville | 0 | * | Low | Low |
| Town of Geiger | 0 | * | Low | Low |
| Tuscaloosa County (unincorporated) | 12 | Standing motor cars may rock slightly. Vibrations similar to the passing of a truck. | Low | Low |
| City of Northport | 0 | * | Low | Low |
| City of Tuscaloosa | 1 | Standing motor cars may rock slightly. Vibrations similar to the passing of a truck. | Low | Low |
| Town of Brookwood | 1 | Dishes, windows, doors disturbed; walls make cracking sound. Sensation like heavy truck striking building. | Low | Low |
| Town of Coaling | 0 | * | Low | Low |

| Jurisdiction | Historical Occurrences | Extent | Probability | Loss Estimate |
|---|---|---|---|---|
| Town of Coker | 0 | * | Low | Low |
| Town of Lakeview | 0 | * | Low | Low |
| Town of Vance | 0 | * | Low | Low |
| Wilcox County (unincorporated) | 0 | * | Low | Low |
| City of Camden | 0 | * | Low | Low |
| Town of Pine Hill | 0 | * | Low | Low |
| Town of Pine Apple | 0 | * | Low | Low |
| Town of Oak Hill | 0 | * | Low | Low |
| Town of Yellow Bluff | 0 | * | Low | Low |
| ** unable to define due to lack of information* | | | | |

## FLOODING

### Background

A flood is a general and temporary condition where two or more acres of normally dry land or two or more properties are inundated by water or mudflow (floodsmart.gov). Many conditions can lead to flooding including hurricanes, overtopped levees, outdated or clogged drainage systems and rapid accumulation of rainfall. There are two primary types of flooding that affect AEMA Division C:

- Flash flooding: Flash floods generally develop within 6 hours of the immediate cause. Flash floods exhibit a rapid rise of water over low-lying areas. There are many reasons that flash floods occur, but one of the most common is the result of copious amounts of rainfall from thunderstorms that cause flash flooding. This can occur when slow moving or multiple thunderstorms move over the same area. In some cases, flooding may even occur well away from where heavy rain initially fell. Sudden downpours can rapidly change the water levels in a stream or creek and turn small waterways into violent, raging rivers. Urban areas are especially prone to flash floods due to the large amounts of concrete and asphalt surfaces that do not allow water to penetrate the soil easily.

  Flash floods often result from the remnants of tropical systems that pass through the area. Tropical cyclones can cause flooding in the U.S. each spring through fall. While the official hurricane season runs from June to November in the Atlantic, tropical storms have been known to occur outside of this timeframe. Tropical cyclones can bring copious amounts of precipitation onshore. Most of the heaviest rain occurs to the right of the center of the storm; however, it should be noted that rain bands on both sides of the system can produce heavy rain.

- River flooding: River flooding occurs when river levels rise and overflow their banks or the edges of their main channel and inundate areas that are normally dry. In Division C river flooding is most often caused by heavy rainfall. The National Weather Service issues Flood Warnings for designated River Forecast Points where flood stage has been established.

### Locations Affected

Division C is susceptible to both flash flooding and riverine flooding. Due to the nature of flash floods, every county of AEMA Division C is at risk. Low areas and areas with poor drainage are at higher risks, but almost every area can be affected by flash flooding if enough rainfall occurs. Riverine flooding occurs along rivers and their tributaries and usually occurs after periods of heavy rainfall. Riverine flooding is a risk in the planning area. FEMA designated flood zones are shown by jurisdiction in Appendix C. This information is based on the most recent FEMA National Flood Layer.

Participating Boards of Education, institutions of higher learning, and medical centers do not have properties located in flood zone designated areas.

**Extent**
Extent by jurisdiction is provided in Table 4.13. A generalized discussion of extent that applies to the region as a whole is provided below.

*Flash Flooding*
Flash flooding can occur at any location due to the nature of the hazard. Flash flooding generally affects a much smaller area than riverine flooding and has a much more rapid onset. In Division C, there are many areas prone to flash flooding. The lack of drainage infrastructure, undersized drainage infrastructure, and damaged drainage infrastructure exacerbates flash flooding in many areas. Property damage and damage to roadways are the two primary concerns relating to flash flooding.

*Riverine Flooding*
The magnitude of riverine flooding events is influenced by how much water enters the waterway upstream and the rate at which it does. The frequency of riverine flooding events largely depends on the frequency of weather events. Periodic riverine flooding on adjacent lands is a natural occurrence. The most common method used to express flood frequency is a percent chance of occurrence in a given year, or annual probability within a FEMA identified floodplain. A 100-year flood event has a one percent (1%) chance of occurring in any year within that floodplain. However, these type floods can occur multiple times during a 100-year period, as described in the Historical Occurrences below.

Within the floodplain, a flood event can be expected to inundate the area with several feet of water, which varies across the region, but can be upwards of almost two feet above flood stage as noted by the highest recorded floods described at multiple points in the region. The Black Warrior River in Tuscaloosa recorded a flood crest of 149 feet, which is 20 feet above flood stage. The Black Warrior at the Selden Lock and Dam recorded a crest of 109.9 feet in 1961, which is 20 feet over flood stage. The Tombigbee River at Demopolis recorded a crest of 92.3 feet in 1979, which is 24 feet over flood stage. The Tombigbee River at Bevill Lock and Dam recorded a crest of 142.95 feet in 1991, which is 21 feet above flood stage. The Sucarnooche River recorded a crest of 33.47 feet at Livingston in 1979, which is 15 feet above flood stage. A crest of 86 feet was recorded on the Alabama River at Miller's Ferry in 1961, which is 20 feet above flood stage. On the Alabama River in Selma, a crest of 58.35 feet was recorded in 1961, which is 13 feet above flood stage. A crest 37.8 feet was recorded on the Cahaba River in Centreville in 1916, which is almost 15 feet above flood stage. In Suttle a crest of the Cahaba was recorded at 44 feet, which is 12 feet above the flood stage.

**Table 4.13 Flooding Extent by Jurisdiction**

| Jurisdiction | Extent |
|---|---|
| Bibb County (unincorporated) | Flooding depths from 1±15 feet affecting agricultural lands, persons, structures, and infrastructure |
| City of Brent | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| City of Centreville | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Town of West Blocton | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Town of Woodstock | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Dallas County (unincorporated) | Flooding depths from 1±15 feet affecting agricultural lands, persons, structures, and infrastructure |
| City of Selma | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| City of Valley Grande | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Town of Orville | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Greene County (unincorporated) | Flooding depths from 1±20 feet affecting agricultural lands, persons, structures, and infrastructure |
| City of Eutaw | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Town of Boligee | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Town of Forkland | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Town of Union | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |

| Jurisdiction | Extent |
|---|---|
| Hale County (unincorporated) | Flooding depths from 1±10 feet affecting agricultural lands, persons, structures, and infrastructure |
| City of Greensboro | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| City of Moundville | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Town of Akron | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Town of Newbern | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Marengo County (unincorporated) | Flooding depths from 1±25 feet affecting agricultural lands, persons, structures, and infrastructure |
| City of Demopolis | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| City of Linden | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Town of Dayton | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Town of Faunsdale | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Town of Myrtlewood | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Town of Providence | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Town of Sweet Water | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Town of Thomaston | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Perry County (unincorporated) | Flooding depths from 1±15 feet affecting agricultural lands, persons, structures, and infrastructure |

| Jurisdiction | Extent |
|---|---|
| City of Marion | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| City of Uniontown | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Pickens County (unincorporated) | Flooding depths from 1±10 feet affecting agricultural lands, persons, structures, and infrastructure |
| City of Aliceville | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Town of Ethelsville | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Town of Carrollton | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Town of Gordo | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Town of McMullen | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Town of Memphis | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Town of Pickensville | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Town of Reform | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Sumter County (unincorporated) | Flooding depths from 1±20 feet affecting agricultural lands, persons, structures, and infrastructure |
| City of Livingston | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| City of York | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Town of Cuba | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |

| Jurisdiction | Extent |
|---|---|
| Town of Emelle | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Town of Epes | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Town of Gainsville | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Town of Geiger | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Tuscaloosa County (unincorporated) | Flooding depths from 1±20 feet affecting agricultural lands, persons, structures, and infrastructure |
| City of Northport | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| City of Tuscaloosa | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Town of Brookwood | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Town of Coaling | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Town of Coker | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Town of Lakeview | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Town of Vance | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Wilcox County (unincorporated) | Flooding depths from 1±20 feet affecting agricultural lands, persons, structures, and infrastructure |
| City of Camden | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Town of Pine Hill | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |

| Jurisdiction | Extent |
|---|---|
| Town of Pine Apple | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Town of Oak Hill | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |
| Town of Yellow Bluff | Localized flooding to depths from less than 1 feet; minimal impact on persons, structures, and infrastructure |

**Historical Occurrences**

Information from the National Climatic Data Center reports a total of eighty-six flood events since 1990 within AEMA Division C. The total estimated property and crop damage for these events totals 2.583 million dollars. Descriptions of the events with the most damage are provided below:

- April 7, 2003 ($197,000.00 in damages across Sumter, Greene, Hale, Dallas, and Marengo counties): Several heavy rain producing storms traversed the same locations between sunrise and early afternoon. Numerous locations experienced rainfall rates as high as three inches per hour. In Sumter County, numerous roads were flooded. Water topped several bridges along Yellow Creek near Cuba. A woman was killed as her car was swept off US Highway 11 near Livingston. Several homes received minor damage from the flooding. In Greene County, numerous roadways were impassible. In Hale and Dallas Counties, several county roads were temporary impassable, and US Highway 80 was closed due to high water. In Marengo County, US Highway was closed, and a car was swept off Highway 28 near Jefferson.

- September 19, 2009 through September 21, 2009 ($253,000.00 in damages across Tuscaloosa, Bibb, Perry, Pickens, Sumter, Greene, and Hale Counties): A slow-moving weather system produced several days of rain which led to flash flooding.

- March 9, 2011 ($235,000.00 in damages across Hale, Marengo, Bibb, Perry, Dallas, and Tuscaloosa Counties): Heavy rainfall caused flash flooding in areas, in addition these storms produced strong winds causing tree and structure damage. Several Roads were closed due to flooding in Marion located in Perry County. Four homes were flooded.

- May 30, 2018 (Perry, Dallas, Wilcox, and Greene Counties): Significant flooding occurred in the City of Marion as remnants of Tropical Storm Alberto passed through the area. Portions of Highway 14 were underwater. Several homes on East Lafayette Street near Rice Creek flooded and water rescues were required. Portions of Highway 219 were underwater and impassable. Several bridges washed out on Highway 183 near Marion. A Flash Flood Emergency was issued for a large portion of Perry County. In Dallas County,

County Roads 508 and 510 closed due to high water. In Wilcox County, significant flooding was reported near Highway 5 in Pine Hill. Several culverts were washed out. In Greene County, several streets in the City of Greensboro were flooded and impassable.

Table 4.14 provides historical occurrence data for flooding for the period covering 2014-2019.

**Table 4.14 Division C Flooding Occurrences 2014-2019**

| Location | County | Type | Date | Deaths | Injuries | Property Damage | Crop Damage |
|---|---|---|---|---|---|---|---|
| New Lexington | Tuscaloosa | Flash Flood | 4/6/2014 | 0 | 0 | $0.00 | $0.00 |
| Greensboro | Hale | Flash Flood | 4/7/2014 | 0 | 0 | $0.00 | $0.00 |
| Cloverdale | Tuscaloosa | Flood | 4/7/2014 | 0 | 0 | $0.00 | $0.00 |
| Centreville | Bibb | Flood | 4/7/2014 | 0 | 0 | $0.00 | $0.00 |
| Abernant | Tuscaloosa | Flash Flood | 9/12/2014 | 0 | 0 | $0.00 | $0.00 |
| Martaban | Tuscaloosa | Flash Flood | 9/12/2014 | 0 | 0 | $0.00 | $0.00 |
| Gordo | Pickens | Flash Flood | 1/3/2015 | 0 | 0 | $0.00 | $0.00 |
| Northport | Tuscaloosa | Flash Flood | 1/3/2015 | 0 | 0 | $0.00 | $0.00 |
| Sterling | Tuscaloosa | Flash Flood | 12/25/2015 | 0 | 0 | $0.00 | $0.00 |
| Giles | Bibb | Flash Flood | 12/25/2015 | 0 | 0 | $0.00 | $0.00 |
| Radford | Perry | Flash Flood | 2/3/2016 | 0 | 0 | $0.00 | $0.00 |
| Augustin | Perry | Flash Flood | 4/14/2018 | 0 | 0 | $0.00 | $0.00 |
| Potter | Dallas | Flash Flood | 4/14/2018 | 0 | 0 | $0.00 | $0.00 |
| Pine Hill | Wilcox | Flash Flood | 4/14/2018 | 0 | 0 | $100,000.00 | $0.00 |
| Tuscaloosa Airport | Tuscaloosa | Flash Flood | 5/29/2018 | 0 | 0 | $0.00 | $0.00 |
| Summerfield | Dallas | Flash Flood | 5/30/2018 | 0 | 0 | $0.00 | $0.00 |
| Folsom | Perry | Flash Flood | 5/30/2018 | 0 | 0 | $0.00 | $0.00 |
| McClure | Greene | Flash Flood | 5/30/2018 | 0 | 0 | $0.00 | $0.00 |
| Eutaw | Greene | Flash Flood | 5/30/2018 | 0 | 0 | $0.00 | $0.00 |
| Rosedale | Tuscaloosa | Flash Flood | 7/6/2018 | 0 | 0 | $0.00 | $0.00 |
| Fosters | Tuscaloosa | Flood | 2/22/2019 | 0 | 0 | $0.00 | $0.00 |

***Source: NOAA Storm Events Database***

Historical occurrences before 2014, can be accessed through the NOAA Storm Events Database site at https://www.ncdc.noaa.gov/stormevents/.

**Probability of Future Occurrence and Loss Estimation**

The division is both subject to flash and riverine flooding. Incidences and damages have been reported as a result of both. Risks vary by jurisdiction. The probability of riverine flooding occurring in the planning area is illustrated by the flood maps provided in Appendix C.

Flash flooding events are expected to increase in frequency and intensity. Rainfall levels are projected to increase leading to an increased chance of flash flooding. As development increases, the risk for flash flooding will increase as impermeable surfaces increase. Aging drainage infrastructure will contribute to an increase in flash flooding also. Based on the information provided in this profile, the probability of future flash flooding events in all jurisdictions is considered to be high.

Table 4.15 provides a quantitative calculation and probability by jurisdiction. NOAA Storm Events Database info for the entire available timeframe (January 1950-June 2020) was used in these calculations. It is important to note that NOAA records do not contain all events or all damage figures.

**Table 4.15 Flood Summary by Jurisdiction**

| Jurisdiction | Occurrences° | Damages Recorded | Probability of Occurrence (Events per Year) | Estimated Future Damage (by event) |
|---|---|---|---|---|
| Bibb County (unincorporated) | 12 | $161,000.00 | 0.5 | $13,416.67 |
| City of Brent | 7 | $100,000.00 | 0.3 | $14,285.71 |
| City of Centreville | 8 | $1,000.00 | 0.3 | $125.00 |
| Town of West Blocton | 5 | $0.00 | 0.2 | $0.00 |
| Town of Woodstock | 5 | $0.00 | 0.2 | $0.00 |
| Dallas County (unincorporated) | 10 | $237,000.00 | 0.5 | $23,700.00 |
| City of Selma | 10 | $33,000.00 | 0.5 | $3,300.00 |
| City of Valley Grande | 5 | $0.00 | 0.2 | $0.00 |
| Town of Orville | 5 | $0.00 | 0.2 | $0.00 |
| Greene County (unincorporated) | 9 | $103,000.00 | 0.6 | $11,444.44 |
| City of Eutaw | 10 | $0.00 | 0.7 | $0.00 |
| Town of Boligee | 9 | $0.00 | 0.6 | $0.00 |
| Town of Forkland | 9 | $0.00 | 0.6 | $0.00 |
| Town of Union | 9 | $0.00 | 0.6 | $0.00 |
| Hale County (unincorporated) | 10 | $53,000.00 | 0.7 | $5,300.00 |
| City of Greensboro | 14 | $10,000.00 | 0.6 | $714.29 |
| City of Moundville | 12 | $100,000.00 | 0.5 | $8,333.33 |
| Town of Akron | 10 | $0.00 | 0.5 | $0.00 |
| Town of Newbern | 10 | $0.00 | 0.5 | $0.00 |
| Marengo County (unincorporated) | 10 | $95,000.00 | 0.5 | $9,500.00 |
| City of Demopolis | 11 | $3,000.00 | 0.5 | $272.73 |
| City of Linden | 10 | $0.00 | 0.5 | $0.00 |
| Town of Dayton | 11 | $0.00 | 0.5 | $0.00 |
| Town of Faunsdale | 11 | $75,000.00 | 0.5 | $6,818.18 |
| Town of Myrtlewood | 10 | $0.00 | 0.5 | $0.00 |
| Town of Providence | 10 | $0.00 | 0.5 | $0.00 |
| Town of Sweet Water | 10 | $0.00 | 0.5 | $0.00 |
| Town of Thomaston | 10 | $0.00 | 0.5 | $0.00 |

| Jurisdiction | Occurrences° | Damages Recorded | Probability of Occurrence (Events per Year) | Estimated Future Damage (by event) |
|---|---|---|---|---|
| Perry County (unincorporated) | 9 | $65,000.00 | 0.4 | $7,222.22 |
| City of Marion | 3 | $0.00 | 0.1 | $0.00 |
| City of Uniontown | 4 | $4,000.00 | 0.2 | $1,000.00 |
| Pickens County (unincorporated) | 12 | $76,000.00 | 0.5 | $6,333.33 |
| City of Aliceville | 9 | $0.00 | 0.4 | $0.00 |
| Town of Ethelsville | 9 | $0.00 | 0.4 | $0.00 |
| Town of Carrollton | 11 | $0.00 | 0.5 | $0.00 |
| Town of Gordo | 12 | $25,000.00 | 0.5 | $2,083.33 |
| Town of McMullen | 9 | $0.00 | 0.4 | $0.00 |
| Town of Memphis | 9 | $0.00 | 0.4 | $0.00 |
| Town of Pickensville | 11 | $60,000.00 | 0.5 | $5,454.55 |
| Town of Reform | 10 | $0.00 | 0.4 | $0.00 |
| Sumter County (unincorporated) | 18 | $391,000.00 | 0.8 | $21,722.22 |
| City of Livingston | 17 | $0.00 | 0.8 | $0.00 |
| City of York | 17 | $5,000.00 | 0.8 | $294.12 |
| Town of Cuba | 17 | $0.00 | 0.8 | $0.00 |
| Town of Emelle | 16 | $0.00 | 0.7 | $0.00 |
| Town of Epes | 17 | $5,000.00 | 0.8 | $294.12 |
| Town of Gainsville | 16 | $0.00 | 0.7 | $0.00 |
| Town of Geiger | 17 | $0.00 | 0.8 | $0.00 |
| Tuscaloosa County (unincorporated) | 38 | $191,000.00 | 1.7 | $5,026.32 |
| City of Northport | 12 | $10,000.00 | 0.5 | $833.33 |
| City of Tuscaloosa | 20 | $158,000.00 | 0.9 | $7,900.00 |
| Town of Brookwood | 7 | $0.00 | 0.3 | $0.00 |
| Town of Coaling | 7 | $0.00 | 0.3 | $0.00 |
| Town of Coker | 7 | $0.00 | 0.3 | $0.00 |
| Town of Lakeview | 7 | $0.00 | 0.3 | $0.00 |
| Town of Vance | 7 | $0.00 | 0.3 | $0.00 |
| Wilcox County (unincorporated) | 8 | $27,000.00 | 0.3 | $3,375.00 |
| City of Camden | 3 | $0.00 | 0.1 | $0.00 |
| Town of Pine Hill | 4 | $100,000.00 | 0.2 | $25,000.00 |
| Town of Pine Apple | 3 | $0.00 | 0.1 | $0.00 |
| Town of Oak Hill | 3 | $0.00 | 0.1 | $0.00 |
| Town of Yellow Bluff | 3 | $0.00 | 0.1 | $0.00 |

°Occurrence data taken from the NOAA Storm Events Database (time periods covered vary by county)

## HIGH WINDS (HURRICANES, TORNADOES, AND SEVERE THUNDERSTORM: HIGH WINDS/HAIL/LIGHTINING)

AEMA Division C is susceptible to high wind events from hurricanes, tornadoes, and severe thunderstorms. High wind events may occur any time of year, but occur more often in spring, summer and fall seasons. A more specific description of each major hazard storm type is provided as follows.

## HURRICANES

### Background

Tropical systems are best described by the National Hurricane Center:
"A tropical cyclone is a rotating, organized system of clouds and thunderstorms that originates over tropical or subtropical waters and has a closed low-level circulation." Tropical cyclones rotate counterclockwise in the Northern Hemisphere. They are classified as follows:

- Tropical Depression: A tropical cyclone with maximum sustained winds of 38 mph (33 knots) or less.
- Tropical Storm: A tropical cyclone with maximum sustained winds of 39 to 73 mph (34 to 63 knots).
- Hurricane: A tropical cyclone with maximum sustained winds of 74 mph (64 knots) or higher. In the western North Pacific, hurricanes are called typhoons; similar storms in the Indian Ocean and South Pacific Ocean are called cyclone
- Major Hurricane: A tropical cyclone with maximum sustained winds of 111 mph (96 knots) or higher, corresponding to a Category 3, 4 or 5 on the Saffir-Simpson Hurricane Wind Scale.

Tropical cyclones forming between 5 and 30 degrees North latitude typically move toward the west. Sometimes the winds in the middle and upper levels of the atmosphere change and steer the cyclone toward the north and northwest. When tropical cyclones reach latitudes near 30 degrees north, they often move northeast."

### Locations Affected

AEMA Division C is at risk of experiencing the effects of the Atlantic Hurricane Season which occurs between June 1st and November 30th annually.

### Extent

Once a tropical system reaches hurricane strength, the Saffir-Simpson scale estimates potential property damage based on a hurricane's sustained wind speed. The scale gives a 1-5 ranking. Hurricanes rated Category 3 and higher are considered major hurricanes. They are associated with significant damage and loss of life. Table 4.16 gives a basic description of the scale.

**Table 4.16 Saffir Simpson Hurricane Wind Scale**

| Category | Sustained Winds | Types of Damage Due to Hurricane Winds |
|---|---|---|
| 1 | 74-95 mph<br>64-82 kt<br>119-153 km/h | Very dangerous winds will produce some damage: Well- constructed frame homes could have damage to roof, shingles, vinyl siding and gutters. Large branches of trees will snap and shallowly rooted trees may be toppled. Extensive damage to power lines and poles likely will result in power outages that could last a few to several days. |
| 2 | 96-110 mph<br>83-95 kt<br>154-177 km/h | Extremely dangerous winds will cause extensive damage: Well- constructed frame homes could sustain major roof and siding damage. Many shallowly rooted trees will be snapped or uprooted and block numerous roads. Near-total power loss is expected with outages that could last from several days to weeks. |
| 3<br>(major) | 111-129 mph<br>96-112 kt<br>178-208 km/h | Devastating damage will occur: Well-built framed homes may incur major damage or removal of roof decking and gable ends. Many trees will be snapped or uprooted, blocking numerous roads.<br>Electricity and water will be unavailable for several days to weeks after the storm passes. |
| 4<br>(major) | 130-156 mph<br>113-136 kt<br>209-251 km/h | Catastrophic damage will occur: Well-built framed homes can sustain severe damage with loss of most of the roof structure and/or some exterior walls. Most trees will be snapped or uprooted and power poles downed. Fallen trees and power poles will isolate residential areas. Power outages will last weeks to possibly months. Most of the area will be uninhabitable for weeks or months. |
| 5<br>(major) | 157 mph or higher 137 kt or higher 252 km/h or higher | Catastrophic damage will occur: A high percentage of framed homes will be destroyed, with total roof failure and wall collapse. Fallen trees and power poles will isolate residential areas. Power outages will last for weeks to possibly months. Most of the area will be uninhabitable for weeks or months. |

***Source: National Hurricane Center http://www.nhc.noaa.gov/aboutsshws.php***
***Last Accessed: 1/17/20***

Hurricanes as strong as Category 5 have made landfall along the Gulf Coast of Alabama. In rare instances, such as Hurricane Ivan, storms have maintained hurricane strength for up to 200 miles inland. In general though, these storms have historically weakened to tropical storms before affecting the Division C area. Primarily, the area is at risk for high winds, heavy rainfall, and spin off tornadoes associated with tropical systems moving inland. The impact of these events can range from localized to extensive.

**Historical Occurrences**

In AEMA Division C, the greatest threat from hurricanes and tropical storms is damage received from high winds, heavy rains, and spin off tornadoes. Numerous tropical systems have affected the planning area over the last 50 years.

- In 1995 Hurricane Opal brought high winds to the planning region.
- In September 2004, Hurricane Ivan made landfall in Orange Beach, Alabama as a strong Category 3 hurricane. Counties in Division C felt the effects of Ivan also suffering damage, due predominantly to high winds. The storm remained a hurricane until it reached Perry County.

- In August 2005 Division C felt the after effects of Hurricane Katrina as trees and power lines were damaged from strong storms.

Some counties within AEMA Division C have been included in federal disaster declarations for hurricanes Frederick (1979), Ivan (2004), Dennis (2005), Katrina (2005), Gustav (2008), Isaac (2012), Irma (2017), and Nate (2017).

There are no hurricane events listed in the NOAA Storm Events Database for the 2014-2019 timeframe. Historical occurrences before 2014, can be accessed through the NOAA Storm Events Database site at https://www.ncdc.noaa.gov/stormevents/.

**Probability of Future Occurrences and Lost Estimates**

The probability of future hurricane events directly affecting jurisdictions in the planning area is low. As discussed earlier, Division C is more susceptible to high winds and spin off tornadoes associated with weakening tropical systems as they move inland. With regards to loss estimates, it is probable that jurisdictions in the region will experience major damage resulting from a hurricane in the next 100 years.

## TORNADOES

### Background

The National Weather Service defines a tornado as, "A violently rotating column of air in contact with the ground and extending from the base of a thunderstorm (http://www.srh.noaa.gov/oun/severewx/glossary4.php#Tornado.)" The occurrence of tornadoes cannot be predicted, but past occurrences and basic weather patterns can be used to identify areas more susceptible.

### Extent

Table 4.17 shows the Fujita-Pearson scale. The scale gives wind speeds and general damage descriptions. The original F scale uses damage caused by a tornado and relates the damage to the fastest 1/4-mile wind at the height of a damaged structure. The EF or Enhanced Fajita scale is an update to the original F-scale by a team of meteorologists and wind engineers. It was implemented in the U.S. in February 2007. It uses three-second gusts estimated at the point of damage based on a judgment of 8 levels of damage to 28 indicators.

**Table 4.17 Fujita- Pearson Tornado Scale**

| FUJITA SCALE | | | DERIVED EF SCALE | | OPERATIONAL EF SCALE | |
|---|---|---|---|---|---|---|
| **F Number** | **Fastest 1/4-mile (mph)** | **3 Second Gust (mph)** | **EF Number** | **3 Second Gust (mph)** | **EF Number** | **3 Second Gust (mph)** |
| 0 | 40-72 | 45-78 | 0 | 65-85 | 0 | 65-85 |
| 1 | 73-112 | 79-117 | 1 | 86-109 | 1 | 86-110 |
| 2 | 113-157 | 118-161 | 2 | 110-137 | 2 | 111-135 |
| 3 | 158-207 | 162-209 | 3 | 138-167 | 3 | 136-165 |
| 4 | 208-260 | 210-261 | 4 | 168-199 | 4 | 166-200 |
| 5 | 261-318 | 262-317 | 5 | 200-234 | 5 | Over 200 |

***Source: National Oceanic and Atmospheric Administration***

The percentage of historic occurrences in Division C based on Fujita Scale classifications is provided in Table 4.18.

**Table 4.18 Historic Occurrences by Scale Classification**

| Tornado Scale Classification | Percentage of Historical Occurrences |
|---|---|
| F0/EF0 | 31% |
| F1/EF1 | 38% |
| F2/EF2 | 19% |
| F3/EF3 | 9% |
| F4/EF4 | 2% |
| F5/EF5 | 1% |

***Source: National Weather Service***

It can be seen that the Division has experienced tornadic events of each classification. While stronger EF3, EF4, and EF5 events are a small percentage of overall occurrences, they have occurred and are possible in the area.

**Locations Affected**

All areas of the planning area are susceptible to tornadoes. Tornadoes have affected locations throughout Division C. Tornadoes can occur throughout the year; however, the most likely time for occurrence is spring and fall. The spring tornado season in Alabama is March through May. There is a secondary season from November to December.

**Historical Occurrences**

According to the National Weather Service's Alabama Tornado Database, 295 tornadoes have occurred in the region since 1950. These storms have resulted in 156 fatalities, 2,687 injuries, and in excess of $1.7 billion in damages.

Division C has experienced numerous notable tornado events. A brief synopsis of the most significant is provided below.

- December 16, 2000 (Tuscaloosa County): An F4 tornado moved from the southwestern portion of the county northeast. The tornado was on the ground for a total of 18 miles. This storm was responsible for eleven fatalities, 144 injuries, and $12.5 in damages.
- March 1, 2007 (Wilcox County): An EF4 tornado hit Miller's Ferry resulting in one death, 2 injuries, and $2.0 million in damages.
- April 15, 2011 Outbreak (Marengo, Sumter, Greene, Tuscaloosa, Hale, Bibb, Perry, and Dallas): Twenty tornadoes were reported within Division C. The strongest of the storms were rated EF3. The Town of Geiger in Sumter County suffered $6.88 million in damages from an EF3 rated storm. Tuscaloosa County experienced $7.06 million in damages from an EF3. The unincorporated area of Nanafalia in Marengo County, experienced one death, four injuries, and $3.99 million in damages resulting from an EF3 tornado.
- April 27, 2011(Tuscaloosa, Pickens, Sumter, Greene, Hale, Bibb, and Perry): Twenty-two tornadoes were reported in Division C on this date. The strongest being a violent, EF

4 tornado that devastated the City of Tuscaloosa. This tornado was responsible for 44 deaths, 800 injuries, and $1.5 billion dollars' worth of damage.

In Hale County, an EF 3 tornado touched down near Sawyerville leading to six deaths, forty injuries, and $17 million in damages. In Bibb County, an EF 3 tornado touched down near Mertz which lead to one death, ten injuries, and $14 million in damages. Overall, there was one EF4, six EF3, eight EF2, and seven EF1 tornadoes reported in Division C.

Table 4.19 is a summary of the annual tornado activity in AEMA Division C since 1950.

**Table 4.19 Annual Tornado Summary- AEMA Division C**

| Year | Tornadoes | Fatalities | Injuries | Damages ($) | FO/EFO | F1/EF1 | F2/EF2 | F3/EF3 | F4/EF4 | F5/EF5 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1950 | 0 | 0 | 0 | - | | | | | | |
| 1951 | 0 | 0 | 0 | - | | | | | | |
| 1952 | 2 | 1 | 20 | 50,000 | | | | 2 | | |
| 1953 | 1 | 0 | 0 | 27,500 | | 1 | | | | |
| 1954 | 0 | 0 | 0 | - | | | | | | |
| 1955 | 1 | 0 | 1 | 25,000 | | | 1 | | | |
| 1956 | 0 | 0 | 0 | - | | | | | | |
| 1957 | 6 | 0 | 11 | 850,000 | 1 | 4 | 1 | | | |
| 1958 | 0 | 0 | 0 | - | | | | | | |
| 1959 | 2 | 0 | 3 | 27,750 | | 1 | 1 | | | |
| 1960 | 0 | 0 | 0 | - | | | | | | |
| 1961 | 1 | 0 | 0 | - | | 1 | | | | |
| 1962 | 0 | 0 | 0 | - | | | | | | |
| 1963 | 1 | 0 | 0 | 25,000 | | | 1 | | | |
| 1964 | 0 | 0 | 0 | - | | | | | | |
| 1965 | 2 | 0 | 18 | 252,500 | | 1 | | 1 | | |
| 1966 | 2 | 1 | 27 | 750,000 | | | 1 | | | 1 |
| 1967 | 2 | 0 | 0 | 2,550,000 | | 1 | 1 | | | |
| 1968 | 0 | 0 | 0 | - | | | | | | |
| 1969 | 0 | 0 | 0 | - | | | | | | |
| 1970 | 2 | 0 | 0 | 275,000 | | | 2 | | | |
| 1971 | 2 | 0 | 0 | 250,000 | | | | 2 | | |
| 1972 | 2 | 0 | 0 | 275,000 | | | 2 | | | |
| 1973 | 5 | 7 | 199 | 75,800 | | 2 | 2 | | 1 | |
| 1974 | 4 | 3 | 184 | 25,250,000 | 1 | | 2 | | 1 | |
| 1975 | 5 | 1 | 49 | 25,052,750 | 1 | 3 | | | 1 | |
| 1976 | 5 | 0 | 4 | 575,000 | 1 | 2 | 2 | | | |
| 1977 | 4 | 0 | 1 | 52,500 | | 2 | 2 | | | |
| 1978 | 4 | 0 | 0 | 5,050,000 | 1 | 2 | 1 | | | |

| Table 4.19 Annual Tornado Summary- AEMA Division C (continued) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Year** | **Tornadoes** | **Fatalities** | **Injuries** | **Damages ($)** | **FO/EFO** | **F1/EF1** | **F2/EF2** | **F3/EF3** | **F4/EF4** | **F5/EF5** |
| 1979 | 3 | 0 | 2 | 275,000 | 2 | | 1 | | | |
| 1980 | 2 | 0 | 0 | 252,500 | | 1 | 1 | | | |
| 1981 | 2 | 0 | 0 | 27,500 | | 2 | | | | |
| 1982 | 1 | 0 | 0 | - | | 1 | | | | |
| 1983 | 12 | 1 | 21 | 3,380,000 | 1 | 8 | 2 | 1 | | |
| 1984 | 7 | 0 | 0 | 3,025,500 | 2 | 1 | 4 | | | |
| 1985 | 0 | 0 | 0 | - | | | | | | |
| 1986 | 1 | 2 | 0 | - | | | | 1 | | |
| 1987 | 0 | 0 | 0 | - | | | | | | |
| 1988 | 12 | 0 | 8 | 2,775,000 | | 4 | | 8 | | |
| 1989 | 0 | 0 | 0 | - | | | | | | |
| 1990 | 4 | 0 | 3 | 2,550,000 | 3 | 1 | | | | |
| 1991 | 1 | 0 | 0 | 250,000 | 1 | | | | | |
| 1992 | 4 | 3 | 14 | 5,500,000 | 1 | | 2 | 1 | | |
| 1993 | 1 | 0 | 3 | - | | | 1 | | | |
| 1994 | 2 | 0 | 0 | 505,000 | | 2 | | | | |
| 1995 | 2 | 0 | 0 | 56,000 | 2 | | | | | |
| 1996 | 4 | 4 | 40 | 8,295,000 | | 3 | | 1 | | |
| 1997 | 2 | 1 | 11 | 5,085,000 | | | 2 | | | |
| 1998 | 5 | 32 | 260 | 938,000 | 3 | | | 1 | | 1 |
| 1999 | 0 | 0 | 0 | - | | | | | | |
| 2000 | 8 | 11 | 144 | 12,575,000 | 5 | 1 | 1 | | 1 | |
| 2001 | 7 | 2 | 1 | 214,000 | 4 | 2 | | 1 | | |
| 2002 | 3 | 0 | 3 | 305,000 | 1 | 1 | 1 | | | |
| 2003 | 8 | 0 | 2 | 412,000 | 5 | 3 | | | | |
| 2004 | 4 | 0 | 3 | 285,000 | 2 | 1 | 1 | | | |
| 2005 | 17 | 0 | 2 | 1,258,000 | 14 | 3 | | | | |
| 2006 | 7 | 0 | 0 | 76,000 | 3 | 4 | | | | |
| 2007 | 8 | 1 | 4 | 2,572,000 | 1 | 6 | | | 1 | |
| 2008 | 8 | 0 | 4 | - | 2 | 3 | 2 | 1 | | |
| 2009 | 11 | 0 | 0 | 400,500 | 2 | 9 | | | | |
| 2010 | 4 | 0 | 2 | 425,000 | 2 | 2 | | | | |
| 2011 | 35 | 85 | 1614 | 1,612,297,050 | 5 | 10 | 10 | 8 | 2 | |
| 2012 | 12 | 1 | 1 | - | 3 | 4 | 5 | | | |
| 2013 | 1 | 0 | 0 | - | | 1 | | | | |
| 2014 | 6 | 0 | 18 | 250,000 | 1 | 4 | 1 | | | |
| 2015 | 5 | 0 | 0 | 10,000 | 3 | 2 | | | | |
| 2016 | 7 | 0 | 1 | - | 2 | 4 | 1 | | | |
| 2017 | 6 | 0 | 6 | - | 2 | 3 | 1 | | | |

| Table 4.19 Annual Tornado Summary- AEMA Division C (continued) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 2018 | 5 | 0 | 0 | - | 4 | 1 | | | | |
| 2019 | 15 | 0 | 3 | - | 10 | 4 | 1 | 0 | 0 | 0 |

***Source: National Weather Service Tornado Database***

Table 4.20 provides a summary of tornado occurrences in the planning area since 2014 when the present county-level mitigation plans were compiled. Historical occurrences before 2014, can be accessed through the NOAA Storm Events Database site at https://www.ncdc.noaa.gov/stormevents/.

| Table 4.20 Division C Tornado Occurrences 2014-2019 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Location** | **County** | **Date** | **Type** | **Magnitude** | **Deaths** | **Injuries** | **Property Damage** | **Crop Damage** |
| Siloam | Sumter | 4/28/2014 | Tornado | EF1 | 0 | 0 | 0.00K | 0.00K |
| Hull | Tuscaloosa | 4/28/2014 | Tornado | EF1 | 0 | 13 | 0.00K | 0.00K |
| Yolande | Tuscaloosa | 4/28/2014 | Tornado | EF1 | 0 | 0 | 0.00K | 0.00K |
| Stafford | Pickens | 4/28/2014 | Tornado | EF2 | 0 | 5 | 0.00K | 0.00K |
| Folsom | Perry | 11/17/2014 | Tornado | EF1 | 0 | 0 | 0.00K | 0.00K |
| Forkland | Greene | 11/23/2014 | Tornado | EF0 | 0 | 0 | 0.00K | 0.00K |
| West Greene | Greene | 1/3/2015 | Tornado | EF1 | 0 | 0 | 0.00K | 0.00K |
| Snoddy | Greene | 1/3/2015 | Tornado | EF0 | 0 | 0 | 0.00K | 0.00K |
| Cuba | Sumter | 1/3/2015 | Tornado | EF0 | 0 | 0 | 0.00K | 0.00K |
| Bodka | Sumter | 1/3/2015 | Tornado | EF1 | 0 | 0 | 0.00K | 0.00K |
| Ralph | Tuscaloosa | 1/3/2015 | Tornado | EF0 | 0 | 0 | 0.00K | 0.00K |
| Coaling | Tuscaloosa | 12/25/2015 | Tornado | EF0 | 0 | 0 | 0.00K | 0.00K |
| Dancy | Pickens | 2/2/2016 | Tornado | EF2 | 0 | 1 | 0.00K | 0.00K |
| Melrose | Pickens | 2/2/2016 | Tornado | EF0 | 0 | 0 | 0.00K | 0.00K |
| Reform | Pickens | 2/23/2016 | Tornado | EF0 | 0 | 0 | 0.00K | 0.00K |
| Stafford | Pickens | 3/31/2016 | Tornado | EF1 | 0 | 0 | 0.00K | 0.00K |
| Ethelsville | Pickens | 3/31/2016 | Tornado | EF1 | 0 | 0 | 0.00K | 0.00K |
| Melrose | Pickens | 11/29/2016 | Tornado | EF1 | 0 | 0 | 0.00K | 0.00K |
| Gallion | Hale | 11/30/2016 | Tornado | EF1 | 0 | 0 | 0.00K | 0.00K |
| Allenville | Marengo | 11/30/2016 | Tornado | EF1 | 0 | 0 | 0.00K | 0.00K |
| Democrat | Marengo | 1/21/2017 | Tornado | EF1 | 0 | 0 | 0.00K | 0.00K |
| Wayne | Marengo | 1/21/2017 | Tornado | EF1 | 0 | 0 | 0.00K | 0.00K |
| Hagler | Tuscaloosa | 1/22/2017 | Tornado | EF0 | 0 | 0 | 0.00K | 0.00K |
| Pondville | Bibb | 8/31/2017 | Tornado | EF1 | 0 | 0 | 0.00K | 0.00K |
| River Bend | Bibb | 8/31/2017 | Tornado | EF1 | 0 | 0 | 0.00K | 0.00K |
| Giles | Bibb | 8/31/2017 | Tornado | EF0 | 0 | 0 | 0.00K | 0.00K |
| Reform | Pickens | 8/31/2017 | Tornado | EF2 | 0 | 6 | 0.00K | 0.00K |
| Bibb Mill | Bibb | 2/7/2018 | Tornado | EF0 | 0 | 0 | 0.00K | 0.00K |
| Gallion | Hale | 2/7/2018 | Tornado | EF0 | 0 | 0 | 0.00K | 0.00K |

| Table 4.20 Division C Tornado Occurrences 2014-2019 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Location** | **County** | **Date** | **Type** | **Magnitude** | **Deaths** | **Injuries** | **Property Damage** | **Crop Damage** |
| Old Spring Hill | Marengo | 2/7/2018 | Tornado | EF1 | 0 | 0 | 0.00K | 0.00K |
| Nicholsville | Marengo | 2/7/2018 | Tornado | EF0 | 0 | 0 | 0.00K | 0.00K |
| Siloam | Sumter | 2/7/2018 | Tornado | EF0 | 0 | 0 | 0.00K | 0.00K |
| Vaiden | Perry | 12/1/2018 | Tornado | EF0 | 0 | 0 | 0.00K | 0.00K |
| Tyler | Dallas | 1/19/2019 | Tornado | EF1 | 0 | 0 | 0.00K | 0.00K |
| Dancy | Pickens | 2/23/2019 | Tornado | EF0 | 0 | 0 | 0.00K | 0.00K |
| Blalock | Dallas | 3/14/2019 | Tornado | EF0 | 0 | 0 | 0.00K | 0.00K |
| Siddonsville | Marengo | 3/14/2019 | Tornado | EF0 | 0 | 0 | 0.00K | 0.00K |
| Morgan Springs | Perry | 3/14/2019 | Tornado | EF0 | 0 | 0 | 0.00K | 0.00K |
| Bethlehem | Perry | 3/14/2019 | Tornado | EF1 | 0 | 0 | 0.00K | 0.00K |
| Ellawhite | Perry | 3/14/2019 | Tornado | EF0 | 0 | 0 | 0.00K | 0.00K |
| Kellerman | Tuscaloosa | 3/14/2019 | Tornado | EF0 | 0 | 0 | 0.00K | 0.00K |
| Gallion | Hale | 4/14/2019 | Tornado | EF0 | 0 | 0 | 0.00K | 0.00K |
| Sprott | Perry | 4/14/2019 | Tornado | EF0 | 0 | 0 | 0.00K | 0.00K |
| Hagler | Tuscaloosa | 4/14/2019 | Tornado | EF1 | 0 | 0 | 0.00K | 0.00K |
| Lake Lanier | Dallas | 6/6/2019 | Tornado | EF0 | 0 | 0 | 0.00K | 0.00K |
| Vick | Bibb | 12/16/2019 | Tornado | EF0 | 0 | 0 | 0.00K | 0.00K |
| Brierfield | Bibb | 12/16/2019 | Tornado | EF1 | 0 | 0 | 0.00K | 0.00K |
| Hogglesville | Hale | 12/16/2019 | Tornado | EF0 | 0 | 0 | 0.00K | 0.00K |
| Demopolis | Marengo | 12/16/2019 | Tornado | EF2 | 0 | 3 | 0.00K | 0.00K |
| Morgan Springs | Perry | 12/16/2019 | Tornado | EF0 | 0 | 0 | 0.00K | 0.00K |
| Totals | | | | | 0 | 28 | 0.00K | 0.00K |

***Source: NOAA Storm Events Database***

## Probability of Future Events

Since 1950, AEMA Division C has experienced tornadoes almost every year. Based on historic data, the annual probability for tornadoes is high.

## SEVERE THUNDERSTORMS (HIGH WINDS/ HAIL/LIGHTNING)

Thunderstorms, lightning, hail, and high winds will all be grouped into the category of severe storms in this analysis.

### Background

*Thunderstorms*
A thunderstorm is a rain storm accompanied by lightning and thunder. According to the National Weather Service there are four types of thunderstorms:

- Ordinary Cell: A single cell consisting of a onetime updraft and one time downdraft. They are short lived and typically not severe.
- Multi-cell Cluster: Thunderstorms that form in clusters with numerous cells in various stages of development merging together.
- Multi-cell Line: Thunderstorms which form in a line which can extend laterally for hundreds of miles. Also known as "squall lines', they can persist for many hours and produce damaging winds and hail. Tornadoes may form on the leading edge of squall lines, but they primarily produce "straight line" winds. Derechos are long-lived strong squall lines that can travel hundreds of miles and can produce considerable wind and hail damage.
- Supercell: Highly organized storms characterized by updrafts that can attain speeds over 100 mph. They are able to produce large hail and strong, violent tornadoes that can produce damaging outflow in excess of 100 mph.

*High Winds*
High winds are defined as winds 40 mph or greater lasting for an hour or longer, or winds of 58 mph or greater for any duration. High winds can lead to property damage and interruption in utility services. Trees may fall into homes and structures. Varying degrees of damage may occur depending on the structure and size of the tree. Persons in these structures are at risk of death and injury. Trees can fall across power lines leading to outages that can last several days.

*Hail*
Hail is precipitation in the form of irregular pellets or balls of ice more than 5 mm in diameter. Hail forms when thunderstorm updrafts are strong enough to carry water droplets well above the freezing level. This freezing process forms a hailstone, which can grow as additional water freezes onto it. Eventually, the hailstone becomes too heavy for the updrafts to support it and it falls to the ground.

*Lightning*
"Lightning is a rapid discharge of electrical energy in the atmosphere. The resulting clap of thunder is the result of a shock wave created by the rapid heating and cooling of the air in the lightning channel. (http://www.lightningsafety.noaa.gov/resources/lightning3_050714.pdf)". During thunderstorms, winds within the storms cause collisions between various precipitation particles in the storm cloud. These collisions lead to very small ice crystals losing electrons and larger hail particles gaining electrons. Winds redistribute these causing a negative charge buildup

near the middle and lower part of the storm and a positive buildup on the ground beneath the storm cloud. The charge difference eventually increases and the negative charge starts moving toward the ground. Its movement creates a conductive path toward the ground. When the negative charge from the cloud makes contact with the positive charge on the ground, current surges creating a visible flash of lightning.

Lightning is a very dangerous hazard. Lightning is responsible for deaths every year in the state. People often believe they are not at risk and stay outside when lightning is near. A lightning strike can lead to death or serious injury. Lightning can strike homes and trees leading to property damage. Lightning strikes can also cause a disruption in utility services.

**Locations Affected**
The entire planning area is susceptible to the occurrence of severe thunderstorms. These events are assumed to be able to potentially affect any location due to their nature.

**Extent**
Severe thunderstorms are defined by the National Weather service as having winds of 58mph or higher. Severe thunderstorms with straight line winds, which occur throughout various locations in the planning area, have the potential to ignite wind gusts that are comparable to an EF1 tornado. It is difficult to predict the extent of damage and area will undergo due to the unpredictable nature of severe thunderstorms and the random impact of lightning and hail production.

**Historical Occurrences**
From 1950-2019, the number of reported occurrences of severe thunderstorm events is over fifteen hundred. These severe weather events have occurred in all 10 counties of the planning area. According to the National Climatic Data Center (NCDC), there have been over 500 reported high wind events in Division C resulting in more than $10 million in property damage. One death and eighty-one injuries have occurred. There have been 815 hail events since 1950 in the AEMA Division C planning area. There were 39 lightning events during this same period, which resulted in 2 deaths, 11 injuries, and $1.1 million dollars in damages.

Tables 4.21-4.23 provide past occurrence data for the 2014-2019 timeframe for severe thunderstorms, hail, and lightning. Historical occurrences before 2014, can be accessed through the NOAA Storm Events Database site at https://www.ncdc.noaa.gov/stormevents/.

**Table 4.21 Division C Severe Thunderstorm Occurrences 2014-2019**

| Location | County | Date | Magnitude | Deaths | Injuries | Property Damage | Crop Damage |
|---|---|---|---|---|---|---|---|
| Hugo | Marengo | 4/6/2014 | 60 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Cunningham | Pickens | 4/6/2014 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Benevola | Pickens | 4/6/2014 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Buhl | Tuscaloosa | 4/6/2014 | 60 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Coker | Tuscaloosa | 4/6/2014 | 60 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Cloverdale | Tuscaloosa | 4/6/2014 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Stafford | Pickens | 4/28/2014 | 70 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Maxwell | Tuscaloosa | 4/28/2014 | 85 kts. EG | 0 | 0 | $0.00 | $0.00 |

| Table 4.21 Division C Severe Thunderstorm Occurrences 2014-2019 (continued) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Location** | **County** | **Date** | **Magnitude** | **Deaths** | **Injuries** | **Property Damage** | **Crop Damage** |
| Maxwell | Tuscaloosa | 4/28/2014 | 69 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Cedar Cove | Tuscaloosa | 4/28/2014 | 65 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Grimes | Tuscaloosa | 4/28/2014 | 76 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Coker | Tuscaloosa | 5/27/2014 | 60 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Abernant | Tuscaloosa | 6/6/2014 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Jefferson | Marengo | 7/2/2014 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Melrose | Pickens | 7/2/2014 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Cuba | Sumter | 7/2/2014 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Randolph | Bibb | 7/2/2014 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Spocari | Marengo | 10/13/2014 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Fairdale | Bibb | 10/13/2014 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Giles | Bibb | 10/13/2014 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Brookwood | Tuscaloosa | 10/13/2014 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Samantha | Tuscaloosa | 10/13/2014 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Sawyerville | Hale | 10/13/2014 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Holt Junction | Tuscaloosa | 10/13/2014 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Cedarville | Hale | 10/13/2014 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Buhl | Tuscaloosa | 10/13/2014 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Newbern | Hale | 10/13/2014 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Sawyerville | Hale | 12/23/2014 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| York | Sumter | 12/23/2014 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Hogglesville | Hale | 12/23/2014 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Sledge | Hale | 12/23/2014 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Union Chapel | Pickens | 1/3/2015 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Reform | Pickens | 1/3/2015 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Box Springs | Tuscaloosa | 1/3/2015 | 43 kts. EG | 0 | 1 | $0.00 | $0.00 |
| Samantha | Tuscaloosa | 1/25/2015 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Tuscaloosa Airport | Tuscaloosa | 1/25/2015 | 51 kts. MG | 0 | 0 | $0.00 | $0.00 |
| Allison | Greene | 4/3/2015 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Akron | Hale | 4/3/2015 | 60 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Ridge | Greene | 5/20/2015 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Forkland | Greene | 5/20/2015 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Reform | Pickens | 5/24/2015 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Boykin | Wilcox | 6/24/2015 | 52 kts. EG | 0 | 0 | $5,000.00 | $0.00 |
| Camden | Wilcox | 6/24/2015 | 52 kts. EG | 0 | 0 | $5,000.00 | $0.00 |
| Ashby | Bibb | 7/15/2015 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Brierfield | Bibb | 7/15/2015 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Rosemary | Hale | 7/15/2015 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Aliceville | Pickens | 7/15/2015 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Shortleaf | Marengo | 7/15/2015 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| McCainville | Sumter | 8/7/2015 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Coatopa | Sumter | 8/7/2015 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Selma | Dallas | 8/8/2015 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Siloam | Sumter | 8/10/2015 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Samantha | Tuscaloosa | 8/10/2015 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Memphis | Pickens | 11/18/2015 | 60 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Milelr | Greene | 2/2/2016 | 60 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Akron | Hale | 2/3/2016 | 55 kts. EG | 0 | 0 | $0.00 | $0.00 |

| Table 4.21 Division C Severe Thunderstorm Occurrences 2014-2019 (continued) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Location** | **County** | **Date** | **Magnitude** | **Deaths** | **Injuries** | **Property Damage** | **Crop Damage** |
| Oak Hill | Wilcox | 2/15/2016 | 52 kts. EG | 0 | 0 | $5,000.00 | $0.00 |
| Pine Hill | Wilcox | 2/15/2016 | 52 kts. EG | 0 | 0 | $3,000.00 | $0.00 |
| Siloam | Sumter | 2/23/2016 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Hamburg | Perry | 4/27/2016 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Samantha | Tuscaloosa | 6/17/2016 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Pearson | Tuscaloosa | 6/17/2016 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| River Bend | Bibb | 6/17/2016 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Moscow | Sumter | 6/17/2016 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Western Junction | Dallas | 6/17/2016 | 51 kts. MG | 0 | 0 | $0.00 | $0.00 |
| Ralph | Tuscaloosa | 7/5/2016 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Kellerman | Tuscaloosa | 7/9/2016 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Cuba | Sumter | 11/28/2016 | 55 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Centreville | Bibb | 1/22/2017 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Stewart | Hale | 3/1/2017 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Havana | Hale | 3/1/2017 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Boligee | Greene | 3/1/2017 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Epes | Sumter | 3/1/2017 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Pine Hill | Wilcox | 3/1/2017 | 52 kts. EG | 0 | 0 | $10,000.00 | $0.00 |
| Cuba | Sumter | 4/3/2017 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| York | Sumter | 4/3/2017 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Siloam | Sumter | 4/3/2017 | 50 kts. EG | 0 | 1 | $0.00 | $0.00 |
| Dancy | Pickens | 4/30/2017 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Brownville | Tuscaloosa | 4/30/2017 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Aliceville | Pickens | 4/30/2017 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Owens | Pickens | 4/30/2017 | 50 kts. EG | 0 | 1 | $0.00 | $0.00 |
| Potter | Dallas | 7/1/2017 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Potter | Dallas | 7/1/2017 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Summerfield | Dallas | 7/26/2017 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Selma-Selfield | Dallas | 7/26/2017 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Summerfield | Dallas | 7/26/2017 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Selma | Dallas | 7/26/2017 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Hazen | Dallas | 7/26/2017 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Boyd | Sumter | 2/7/2018 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Akron | Hale | 4/22/2018 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Havana | Hale | 4/22/2018 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Greensboro | Hale | 4/22/2018 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Tuscaloosa | Tuscaloosa | 6/28/2018 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Selma-Selfield | Dallas | 6/28/2018 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Moundville | Hale | 6/28/2018 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Greensboro | Hale | 6/28/2018 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| NEWBERN | Hale | 6/28/2018 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Faunsdale | Marengo | 6/28/2018 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Camden | Wilcox | 6/28/2018 | 61 kts. EG | 0 | 0 | $5,000.00 | $0.00 |
| Sweet Water | Marengo | 6/28/2018 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Akron | Hale | 3/14/2019 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Six Mile | Bibb | 3/25/2019 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Gallion | Hale | 3/25/2019 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Burnsville | Dallas | 3/25/2019 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Burnsville | Dallas | 3/25/2019 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |

| Table 4.21 Division C Severe Thunderstorm Occurrences 2014-2019 (continued) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Location** | **County** | **Date** | **Magnitude** | **Deaths** | **Injuries** | **Property Damage** | **Crop Damage** |
| Sardis | Dallas | 3/25/2019 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Tyler | Dallas | 3/25/2019 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| McCainville | Sumter | 4/13/2019 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Dudley | Tuscaloosa | 4/14/2019 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Geiger | Sumter | 4/18/2019 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Dancy | Pickens | 4/18/2019 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Aliceville | Pickens | 4/18/2019 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Pickensville | Pickens | 4/18/2019 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Coker | Tuscaloosa | 4/18/2019 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| River View | Tuscaloosa | 4/18/2019 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Fox | Tuscaloosa | 4/18/2019 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Newbern | Hale | 4/18/2019 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Sweet Water | Marengo | 6/7/2019 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Stafford | Pickens | 6/7/2019 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Ingate | Bibb | 6/8/2019 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Northport | Tuscaloosa | 6/20/2019 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Abernant | Tuscaloosa | 6/20/2019 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Stokes | Tuscaloosa | 6/22/2019 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Snoddy | Greene | 6/27/2019 | 45 kts. EG | 0 | 1 | $0.00 | $0.00 |
| Shortleaf | Marengo | 6/27/2019 | 45 kts. EG | 0 | 1 | $0.00 | $0.00 |
| Gordo | Pickens | 7/8/2019 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Shook | Tuscaloosa | 8/13/2019 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Heiberger | Perry | 8/19/2019 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| River View | Tuscaloosa | 8/27/2019 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Holt Junction | Tuscaloosa | 8/27/2019 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Moundville | Hale | 8/27/2019 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Vine Hill | Tuscaloosa | 8/27/2019 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Greensboro | Hale | 8/27/2019 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Sledge | Hale | 8/27/2019 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Dayton | Marengo | 8/27/2019 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Coy | Wilcox | 10/5/2019 | 52 kts. EG | 0 | 0 | $0.00 | $0.00 |
| Persimmon Grove | Sumter | 12/16/2019 | 50 kts. EG | 0 | 0 | $0.00 | $0.00 |

***Source: NOAA Storm Events Database***

## Table 4.22 Division C Hail Occurrences 2014-2019

| **Location** | **County** | **Date** | **Magnitude** | **Deaths** | **Injuries** | **Property Damage** | **Crop Damage** |
|---|---|---|---|---|---|---|---|
| Myrtlewood | Marengo | 4/6/2014 | 0.75 in. | 0 | 0 | $0.00 | $0.00 |
| Aliceville | Pickens | 6/8/2014 | 1.75 in. | 0 | 0 | $0.00 | $0.00 |
| Summerfield | Dallas | 6/8/2014 | 1.75 in. | 0 | 0 | $0.00 | $0.00 |
| Summerfield | Dallas | 6/8/2014 | 1.75 in. | 0 | 0 | $0.00 | $0.00 |
| Palmetto | Pickens | 6/9/2014 | 1.50 in. | 0 | 0 | $0.00 | $0.00 |
| Livingston | Sumter | 6/22/2014 | 1.00 in. | 0 | 0 | $0.00 | $0.00 |
| Octagon | Maerngo | 7/2/2014 | 1.00 in. | 0 | 0 | $0.00 | $0.00 |
| Stafford | Pickens | 3/31/2015 | 1.25 in. | 0 | 0 | $0.00 | $0.00 |
| Reform | Pickens | 3/31/2015 | 1.00 in. | 0 | 0 | $0.00 | $0.00 |
| Gordo | Pickens | 3/31/2015 | 1.00 in. | 0 | 0 | $0.00 | $0.00 |

| Table 4.22 Division C Hail Occurrences 2014-2019 (continued) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Location** | **County** | **Date** | **Magnitude** | **Deaths** | **Injuries** | **Property Damage** | **Crop Damage** |
| Shirley | Tuscaloosa | 3/31/2015 | 1.00 in. | 0 | 0 | $0.00 | $0.00 |
| Coker | Tuscaloosa | 3/31/2015 | 1.75 in. | 0 | 0 | $0.00 | $0.00 |
| Rosedale | Tuscaloosa | 3/31/2015 | 1.75 in. | 0 | 0 | $0.00 | $0.00 |
| Northport | Tuscaloosa | 3/31/2015 | 1.00 in. | 0 | 0 | $0.00 | $0.00 |
| Northport | Tuscaloosa | 3/31/2015 | 1.75 in. | 0 | 0 | $0.00 | $0.00 |
| Coleanor | Bibb | 3/31/2015 | 1.00 in. | 0 | 0 | $0.00 | $0.00 |
| Eutaw | Greene | 5/20/2015 | 1.25 in. | 0 | 0 | $0.00 | $0.00 |
| Alfalfa | Marengo | 6/30/2015 | 1.75 in. | 0 | 0 | $0.00 | $0.00 |
| Centreville | Bibb | 7/3/2015 | 1.50 in. | 0 | 0 | $0.00 | $0.00 |
| Lasca | Marengo | 3/31/2016 | 1.00 in. | 0 | 0 | $0.00 | $0.00 |
| Northport | Tuscaloosa | 3/31/2016 | 1.25 in. | 0 | 0 | $0.00 | $0.00 |
| Samantha | Tuscaloosa | 4/29/2016 | 2.50 in. | 0 | 0 | $0.00 | $0.00 |
| Hamner | Sumter | 1/2/2017 | 1.00 in. | 0 | 0 | $0.00 | $0.00 |
| Bodka | Sumter | 1/2/2017 | 1.00 in. | 0 | 0 | $0.00 | $0.00 |
| Hogglesville | Hale | 4/5/2017 | 1.00 in. | 0 | 0 | $0.00 | $0.00 |
| Vance | Tuscaloosa | 4/5/2017 | 1.00 in. | 0 | 0 | $0.00 | $0.00 |
| Brierfield | Bibb | 4/5/2017 | 1.00 in. | 0 | 0 | $0.00 | $0.00 |
| Camden | Wilcox | 4/5/2017 | 1.00 in. | 0 | 0 | $0.00 | $0.00 |
| Camden | Wilcox | 4/5/2017 | 1.75 in. | 0 | 0 | $0.00 | $0.00 |
| Greensboro | Hale | 4/5/2017 | 1.00 in. | 0 | 0 | $0.00 | $0.00 |
| McCainville | Sumter | 12/27/2018 | 1.00 in. | 0 | 0 | $0.00 | $0.00 |
| Kellerman | Tuscaloosa | 2/19/2019 | 1.00 in. | 0 | 0 | $0.00 | $0.00 |
| Palmetto | Pickens | 3/14/2019 | 1.00 in. | 0 | 0 | $0.00 | $0.00 |
| Moores Bridge | Tuscaloosa | 3/14/2019 | 0.88 in. | 0 | 0 | $0.00 | $0.00 |
| New Lexington | Tuscaloosa | 3/14/2019 | 1.00 in. | 0 | 0 | $0.00 | $0.00 |
| New Lexington | Tuscaloosa | 3/14/2019 | 0.88 in. | 0 | 0 | $0.00 | $0.00 |
| Coker | Tuscaloosa | 3/14/2019 | 0.75 in. | 0 | 0 | $0.00 | $0.00 |
| Palmetto | Pickens | 3/14/2019 | 1.00 in. | 0 | 0 | $0.00 | $0.00 |
| Wedgeworth | Hale | 3/25/2019 | 1.25 in. | 0 | 0 | $0.00 | $0.00 |
| Evansville | Hale | 3/25/2019 | 0.88 in. | 0 | 0 | $0.00 | $0.00 |
| Greensboro | Hale | 3/25/2019 | 1.00 in. | 0 | 0 | $0.00 | $0.00 |
| Siloam | Sumter | 3/25/2019 | 0.88 in. | 0 | 0 | $0.00 | $0.00 |
| Cloverdale | Tuscaloosa | 6/22/2019 | 1.00 in. | 0 | 0 | $0.00 | $0.00 |
| Woodstock | Bibb | 6/27/2019 | 0.75 in. | 0 | 0 | $0.00 | $0.00 |

***Source: NOAA Storm Events Database***

**Table 4.23 Division C Lightning Occurrences 2014-2019**

| Location | County | Date | Deaths | Injuries | Property Damage | Crop Damage |
|---|---|---|---|---|---|---|
| Camden | Wilcox | 3/24/2016 | 0 | 0 | $25,000.00 | $0.00 |
| Centreville | Bibb | 7/17/2017 | 0 | 1 | $0.00 | $0.00 |

***Source: NOAA Storm Events Database***

**Probability of Future Occurrence and Loss Estimation**

AEMA Division C has a high probability of experiencing severe thunderstorms including high winds, lightning, and hail throughout the year. Numerous historical data and documented events within the last few decades lead AEMA Division C to determine that there is a high probability of severe thunderstorm occurrences. With regards to loss estimates, it is probable that jurisdictions in the region will experience major damage resulting from severe thunderstorms in the next 1-10 years.

## LANDSLIDES

### Background

Landslides are the downward and outward movement of soil and rocks under the influence of gravity (http://www.gsa.state.al.us/). Naturally induced landslides occur as a result of weakened rock composition, heavy rain, changes in ground water levels, and seismic activity. Typically, areas that are prone to landslides are on or at the base of steep slopes, base of drainage channels, developed hillsides where leach field septic systems are used.

### Locations Affected

Appendix D contains maps of AEMA Division C counties illustrating susceptibility to landslides. By examining these maps, one can see that the majority of AEMA- Division C is classified as having low susceptibility. Susceptibility is defined as the probable degree of response of rocks and soils to natural or artificial cutting of slopes, or to anomalously high precipitation. Low susceptibility translates to less than 1.5% of the planning being affected by landslides.

Participating Boards of Education, institutions of higher learning, and medical centers do not have properties located in areas with a high susceptibility to landslides.

### Extent

There is no widely accepted magnitude scale for landslides. Defining the extent of landslides is subjective and could vary greatly. Due to low susceptibility throughout the planning area, the extent of landslide incidents are estimated to be primarily isolated damages to structures and infrastructure. Table 4.24 provides an extent for each jurisdiction.

### Historical Occurrences

Historical occurrences are provided on the maps in Appendix D. It is important to note that there is no date listed on the GSA map detailing time frame, so it is impossible to determine the time period over which these events occurred. Pickens, Tuscaloosa, Bibb, Perry, Dallas, and Sumter counties all have historic incidences. There is no specific documentation available for these events, leading to the belief that each incident was very localized and minor in nature.

### Probability of Future Events

AEMA Division C as an entire region has low susceptibility to landslide incidences. Based on susceptibility and historical data, AEMA-Division C has an assessed susceptibility to landslide events that is low. Low risk is described as probable major damage occurring in a 100 year period.

The estimated risk of losses from landslides cannot be calculated based on historic records due to lack of data. Though incidents of landslides have been recorded in Pickens, Tuscaloosa, Bibb, Perry, Dallas, and Sumter there are no damage estimates attached to those events.

Table 4.24 provides a summary of the extent, probability, and loss estimates associated with landslides in AEMA Division C.

**Table 4.24 Landslide Summary by Jurisdiction**

| Jurisdiction | Extent | Probability of Occurrence | Estimated Losses |
|---|---|---|---|
| Bibb County (unincorporated) | Isolated damage to structures and infrastructure | Low | * |
| City of Brent | Isolated damage to structures and infrastructure | Low | * |
| City of Centreville | Isolated damage to structures and infrastructure | Low | * |
| Town of West Blocton | Isolated damage to structures and infrastructure | Low | * |
| Town of Woodstock | Isolated damage to structures and infrastructure | Low | * |
| Dallas County (unincorporated) | Isolated damage to structures and infrastructure | Low | * |
| City of Selma | Isolated damage to structures and infrastructure | Low | * |
| City of Valley Grande | Isolated damage to structures and infrastructure | Low | * |
| Town of Orville | Isolated damage to structures and infrastructure | Low | * |
| Greene County (unincorporated) | Isolated damage to structures and infrastructure | Low | * |
| City of Eutaw | Isolated damage to structures and infrastructure | Low | * |
| Town of Boligee | Isolated damage to structures and infrastructure | Low | * |
| Town of Forkland | Isolated damage to structures and infrastructure | Low | * |
| Town of Union | Isolated damage to structures and infrastructure | Low | * |
| Hale County (unincorporated) | Isolated damage to structures and infrastructure | Low | * |
| City of Greensboro | Isolated damage to structures and infrastructure | Low | * |
| City of Moundville | Isolated damage to structures and infrastructure | Low | * |
| Town of Akron | Isolated damage to structures and infrastructure | Low | * |
| Town of Newbern | Isolated damage to structures and infrastructure | Low | * |
| Marengo County (unincorporated) | Isolated damage to structures and infrastructure | Low | * |
| City of Demopolis | Isolated damage to structures and infrastructure | Low | * |
| City of Linden | Isolated damage to structures and infrastructure | Low | * |

| Jurisdiction | Extent | Probability of Occurrence | Estimated Losses |
|---|---|---|---|
| Town of Dayton | Isolated damage to structures and infrastructure | Low | * |
| Town of Faunsdale | Isolated damage to structures and infrastructure | Low | * |
| Town of Myrtlewood | Isolated damage to structures and infrastructure | Low | * |
| Town of Providence | Isolated damage to structures and infrastructure | Low | * |
| Town of Sweet Water | Isolated damage to structures and infrastructure | Low | * |
| Town of Thomaston | Isolated damage to structures and infrastructure | Low | * |
| Perry County (unincorporated) | Isolated damage to structures and infrastructure | Low | * |
| City of Marion | Isolated damage to structures and infrastructure | Low | * |
| City of Uniontown | Isolated damage to structures and infrastructure | Low | * |
| Pickens County (unincorporated) | Isolated damage to structures and infrastructure | Low | * |
| City of Aliceville | Isolated damage to structures and infrastructure | Low | * |
| Town of Ethelsville | Isolated damage to structures and infrastructure | Low | * |
| Town of Carrollton | Isolated damage to structures and infrastructure | Low | * |
| Town of Gordo | Isolated damage to structures and infrastructure | Low | * |
| Town of McMullen | Isolated damage to structures and infrastructure | Low | * |
| Town of Memphis | Isolated damage to structures and infrastructure | Low | * |
| Town of Pickensville | Isolated damage to structures and infrastructure | Low | * |
| Town of Reform | Isolated damage to structures and infrastructure | Low | * |
| Sumter County (unincorporated) | Isolated damage to structures and infrastructure | Low | * |
| City of Livingston | Isolated damage to structures and infrastructure | Low | * |
| City of York | Isolated damage to structures and infrastructure | Low | * |
| Town of Cuba | Isolated damage to structures and infrastructure | Low | * |
| Town of Emelle | Isolated damage to structures and infrastructure | Low | * |
| Town of Epes | Isolated damage to structures and infrastructure | Low | * |

| Jurisdiction | Extent | Probability of Occurrence | Estimated Losses |
|---|---|---|---|
| Town of Gainsville | Isolated damage to structures and infrastructure | Low | * |
| Town of Geiger | Isolated damage to structures and infrastructure | Low | * |
| Tuscaloosa County (unincorporated) | Isolated damage to structures and infrastructure | Low | * |
| City of Northport | Isolated damage to structures and infrastructure | Low | * |
| City of Tuscaloosa | Isolated damage to structures and infrastructure | Low | * |
| Town of Brookwood | Isolated damage to structures and infrastructure | Low | * |
| Town of Coaling | Isolated damage to structures and infrastructure | Low | * |
| Town of Coker | Isolated damage to structures and infrastructure | Low | * |
| Town of Lakeview | Isolated damage to structures and infrastructure | Low | * |
| Town of Vance | Isolated damage to structures and infrastructure | Low | * |
| Wilcox County (unincorporated) | Isolated damage to structures and infrastructure | Low | * |
| City of Camden | Isolated damage to structures and infrastructure | Low | * |
| Town of Pine Hill | Isolated damage to structures and infrastructure | Low | * |
| Town of Pine Apple | Isolated damage to structures and infrastructure | Low | * |
| Town of Oak Hill | Isolated damage to structures and infrastructure | Low | * |
| Town of Yellow Bluff | Isolated damage to structures and infrastructure | Low | * |

## LAND SUBSIDENCE/SINKHOLES

### Background

Land subsidence occurs when large amounts of groundwater have been withdrawn from certain types of rocks, such as fine-grained sediments. The rock compacts because the water is partly responsible for holding the ground up. When the water is withdrawn, the rocks collapse. Subsidence can occur over large areas and in more localized locations. Smaller localized areas of subsidence are referred to as sinkholes.

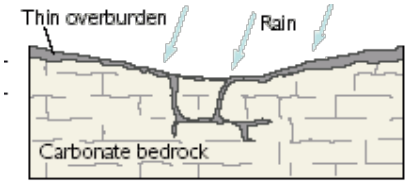
Sinkholes can form from a variety of causes including natural and man-made activities and include ground collapse related to:

- Naturally dissolved voids in rock
- A drop in the water table from drought or pumping of nearby wells
- Heavy construction or weight at the ground surface
- Drainage problems
- Collapse of underground mines
- Excessive rainfall.

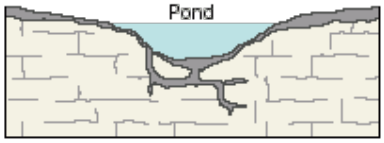
There are three types of sinkholes. A description and illustration (Figure 4.4) of each follows:

**Figure 4.4 Types of Sinkholes**

- Dissolution:




Rainfall and surface water percolate through joints in the limestone. Dissolved carbonate rock is carried away from the surface and a small depression gradually forms.




On exposed carbonate surfaces, a depression may focus surface drainage, accelerating the dissolution process. Debris carried into the developing sinkhole may plug the outflow, ponding water and creating wetlands.

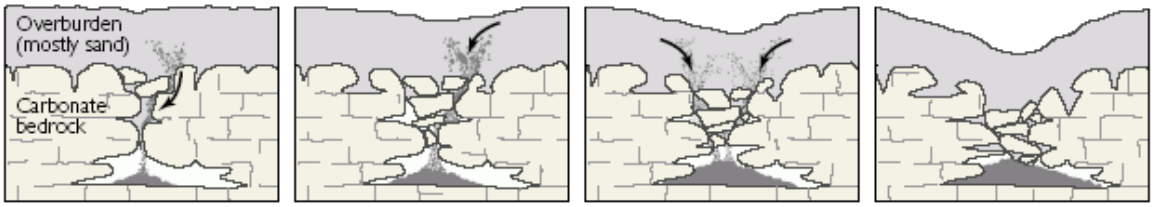
- Cover subsidence:

Granular sediments spall into secondary openings in the underlying carbonate rocks.

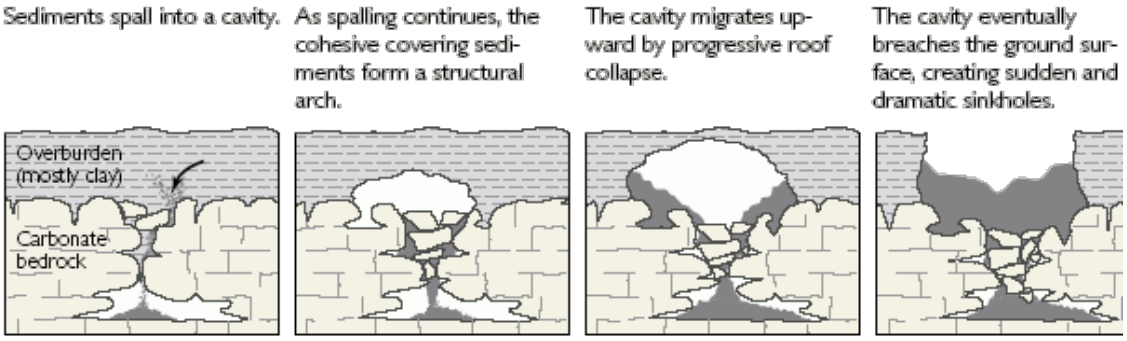
A column of overlying sediments settles into the vacated spaces (a process termed "piping").

Dissolution and infilling continue, forming a noticable depression in the land surface.

The slow downward erosion eventually forms small surface depressions 1 inch to several feet in depth and diameter.



- Cover collapse




***Source: United States Geological Survey***
***http://water.usgs.gov/edu/sinkholes.html***
***Last Accessed on 1/1/20***

**Locations Affected**

Sinkholes are more prevalent in north Alabama, but there are areas of susceptibility and incidence in Division C. Appendix E illustrates areas by jurisdiction with karst topography. Karst topography is a landscape characterized by numerous caves, sinkholes, fissures, and underground streams. These features occur in areas with underlying carbonate bedrock. These areas present throughout the division but are widespread in the southern portion.

Several participating Boards of Education have properties located within areas underlain by karst or pseudo karst terrain; these areas are more likely for sinkhole development. Although several facilities are in these areas it does not mean subsidence will occur. The risk is small, and the predicted extent of an occurrence would be localized. There are facilities of participating medical centers or institutions of higher education located in these areas.

**Extent**

There is no magnitude scale for land subsidence. Subsidence can lead to changes in elevation; damage to structures such as storm drains, sanitary sewers, roads, railroads, canals, levees and bridges; structural damage to public and private buildings; and damage to wells. Due to the lack of historical data pertaining to land subsidence in Division C, the extent of these incidents in the area are estimated to be primarily isolated damages to structures and infrastructure. A summary of extent u jurisdiction is provided in Table 4.25.

**Historical Occurrences**

There are historical occurrences of subsidence in AEMA Division C. The Geologic Survey of Alabama digitized historical topographic depression features on historical 1:24,000-scale topographic maps. The maps included in Appendix E include these occurrences. It is important to note that while most of the topographic depressions are related to sinkholes, some may also be related to mine subsidence.

**Probability of Future Occurrences and Loss Estimation**

Based on the information presented, it is difficult to quantify any future incidence of land subsidence. Areas of potential subsidence can be identified based on knowledge of subsurface

conditions, but future occurrence is unpredictable. Land subsidence research including limited documentation of previous occurrences lead to the belief that future occurrences would have a minimal impact. The probability of these incidents is classified as low.

The risk of losses from land subsidence events, such as sinkholes, cannot be calculated based on historic records due to lack of data. Though much of the planning area has depressions noted on topographic maps or has karst terrain, information about previous incidents are limited at best with no damage estimates. Any land subsidence occurrence in the planning area would most likely be minor in impact due to the localized nature of these events.

Table 4.25 provides a summary of extent, probability, and estimated losses by jurisdiction for land subsidence.

**Table 4.25 Land Subsidence Summary for Division C**

| Jurisdiction | Extent | Probability of Occurrence | Estimated Losses |
|---|---|---|---|
| Bibb County (unincorporated) | minor localized impacts to structures and infrastructure | Low | * |
| City of Brent | minor localized impacts to structures and infrastructure | Low | * |
| City of Centreville | minor localized impacts to structures and infrastructure | Low | * |
| Town of West Blocton | minor localized impacts to structures and infrastructure | Low | * |
| Town of Woodstock | minor localized impacts to structures and infrastructure | Low | * |
| Dallas County (unincorporated) | minor localized impacts to structures and infrastructure | Low | * |
| City of Selma | minor localized impacts to structures and infrastructure | Low | * |
| City of Valley Grande | minor localized impacts to structures and infrastructure | Low | * |
| Town of Orville | minor localized impacts to structures and infrastructure | Low | * |
| Greene County (unincorporated) | minor localized impacts to structures and infrastructure | Low | * |
| City of Eutaw | minor localized impacts to structures and infrastructure | Low | * |
| Town of Boligee | minor localized impacts to structures and infrastructure | Low | * |
| Town of Forkland | minor localized impacts to structures and infrastructure | Low | * |
| Town of Union | minor localized impacts to structures and infrastructure | Low | * |

| Jurisdiction | Extent | Probability of Occurrence | Estimated Losses |
|---|---|---|---|
| Hale County (unincorporated) | minor localized impacts to structures and infrastructure | Low | * |
| City of Greensboro | minor localized impacts to structures and infrastructure | Low | * |
| City of Moundville | minor localized impacts to structures and infrastructure | Low | * |
| Town of Akron | minor localized impacts to structures and infrastructure | Low | * |
| Town of Newbern | minor localized impacts to structures and infrastructure | Low | * |
| Marengo County (unincorporated) | minor localized impacts to structures and infrastructure | Low | * |
| City of Demopolis | minor localized impacts to structures and infrastructure | Low | * |
| City of Linden | minor localized impacts to structures and infrastructure | Low | * |
| Town of Dayton | minor localized impacts to structures and infrastructure | Low | * |
| Town of Faunsdale | minor localized impacts to structures and infrastructure | Low | * |
| Town of Myrtlewood | minor localized impacts to structures and infrastructure | Low | * |
| Town of Providence | minor localized impacts to structures and infrastructure | Low | * |
| Town of Sweet Water | minor localized impacts to structures and infrastructure | Low | * |
| Town of Thomaston | minor localized impacts to structures and infrastructure | Low | * |
| Perry County (unincorporated) | minor localized impacts to structures and infrastructure | Low | * |
| City of Marion | minor localized impacts to structures and infrastructure | Low | * |
| City of Uniontown | minor localized impacts to structures and infrastructure | Low | * |
| Pickens County (unincorporated) | minor localized impacts to structures and infrastructure | Low | * |
| City of Aliceville | minor localized impacts to structures and infrastructure | Low | * |
| Town of Ethelsville | minor localized impacts to structures and infrastructure | Low | * |
| Town of Carrollton | minor localized impacts to structures and infrastructure | Low | * |

| Jurisdiction | Extent | Probability of Occurrence | Estimated Losses |
|---|---|---|---|
| Town of Gordo | minor localized impacts to structures and infrastructure | Low | * |
| Town of McMullen | minor localized impacts to structures and infrastructure | Low | * |
| Town of Memphis | minor localized impacts to structures and infrastructure | Low | * |
| Town of Pickensville | minor localized impacts to structures and infrastructure | Low | * |
| Town of Reform | minor localized impacts to structures and infrastructure | Low | * |
| Sumter County (unincorporated) | minor localized impacts to structures and infrastructure | Low | * |
| City of Livingston | minor localized impacts to structures and infrastructure | Low | * |
| City of York | minor localized impacts to structures and infrastructure | Low | * |
| Town of Cuba | minor localized impacts to structures and infrastructure | Low | * |
| Town of Emelle | minor localized impacts to structures and infrastructure | Low | * |
| Town of Epes | minor localized impacts to structures and infrastructure | Low | * |
| Town of Gainsville | minor localized impacts to structures and infrastructure | Low | * |
| Town of Geiger | minor localized impacts to structures and infrastructure | Low | * |
| Tuscaloosa County (unincorporated) | minor localized impacts to structures and infrastructure | Low | * |
| City of Northport | minor localized impacts to structures and infrastructure | Low | * |
| City of Tuscaloosa | minor localized impacts to structures and infrastructure | Low | * |
| Town of Brookwood | minor localized impacts to structures and infrastructure | Low | * |
| Town of Coaling | minor localized impacts to structures and infrastructure | Low | * |
| Town of Coker | minor localized impacts to structures and infrastructure | Low | * |
| Town of Lakeview | minor localized impacts to structures and infrastructure | Low | * |
| Town of Vance | minor localized impacts to structures and infrastructure | Low | * |

| Jurisdiction | Extent | Probability of Occurrence | Estimated Losses |
|---|---|---|---|
| Wilcox County (unincorporated) | minor localized impacts to structures and infrastructure | Low | * |
| City of Camden | minor localized impacts to structures and infrastructure | Low | * |
| Town of Pine Hill | minor localized impacts to structures and infrastructure | Low | * |
| Town of Pine Apple | minor localized impacts to structures and infrastructure | Low | * |
| Town of Oak Hill | minor localized impacts to structures and infrastructure | Low | * |
| Town of Yellow Bluff | minor localized impacts to structures and infrastructure | Low | * |
| ** Unable to provide due to lack of data* | | | |

## WILDFIRE

### Background

Wildfires are responsible for burning thousands of acres of land each year. There are two types of wildfires; these are wildland fires and urban wildland interface fires. Wildland fires are those fires that occur in areas where the only development is utilities or infrastructure. Urban-wildland fires occur in areas were development occurs near or within the vegetative cover.

### Locations Affected

ATRC used the Southern Wildfire Risk Assessment Summary Report for Division C to analyze the area's susceptibility to wildfires. Appendix F contains maps by county/jurisdiction illustrating the Wildland Urban Interface (WUI) Risk Index layer. The WUI Risk is a rating of the potential impact a wildfire would have on people and their homes. Urban, more densely populated areas have a higher WUI risk.

Maps illustrating potential fire intensity by jurisdiction are provided in Appendix F. The Characteristic Fire Intensity Scale (FIS) identifies areas where significant fuel hazards and associated dangerous fire behavior potential exist based on a weighted average of four percentile weather categories. FIS consist of 5 classes where the order of magnitude between classes is ten-fold. The minimum class, Class 1, represents very low wildfire intensities and the maximum class, Class 5, represents very high wildfire intensities.

No facility operated by participating Boards of Education, institutions of higher learning, and medical centers is in a high-risk area for wildfire. Most of these facilities are in more developed areas which have adequate fire protection.

### Extent

The magnitude of wildfire events is generally classified by the total acres burned and the amount/type of damage they cause. Wildfires can ignite and spread quickly, charring everything in their path. The destructiveness of a wildfire is dependent on many factors including weather conditions, available fuel, topography, and existing wildfire mitigation capabilities.

In AEMA Division C, wildfires are a threat to the residents' property and health. The average number of acres burned by wildfires in the region was 8.6 for a period between 2000 and 2019. The area has been fortunate to not have any major wildfires in recent history. As population and development increases in high growth areas, such as Tuscaloosa and Northport, the wildland urban interface should be closely monitored for potential effects. Table 4.26 provides extent by jurisdiction for wildfires in Division C.

## Table 4.26 Wildfire Extent by Jurisdiction Division C

| Jurisdiction | Extent |
|---|---|
| Bibb County (unincorporated) | Property and timber damage over a large area acreage (50+) |
| City of Brent | Property and timber damage over a small acreage (5+) |
| City of Centreville | Property and timber damage over a small acreage (5+) |
| Town of West Blocton | Property and timber damage over a small acreage (5+) |
| Town of Woodstock | Property and timber damage over a small acreage (5+) |
| Dallas County (unincorporated) | Property and timber damage over a large area acreage (50+) |
| City of Selma | Property and timber damage over a small acreage (5+) |
| City of Valley Grande | Property and timber damage over a small acreage (5+) |
| Town of Orville | Property and timber damage over a small acreage (5+) |
| Greene County (unincorporated) | Property and timber damage over a large area acreage (50+) |
| City of Eutaw | Property and timber damage over a small acreage (5+) |
| Town of Boligee | Property and timber damage over a small acreage (5+) |
| Town of Forkland | Property and timber damage over a small acreage (5+) |
| Town of Union | Property and timber damage over a small acreage (5+) |
| Hale County (unincorporated) | Property and timber damage over a large area acreage (50+) |
| City of Greensboro | Property and timber damage over a small acreage (5+) |
| City of Moundville | Property and timber damage over a small acreage (5+) |
| Town of Akron | Property and timber damage over a small acreage (5+) |
| Town of Newbern | Property and timber damage over a small acreage (5+) |
| Marengo County (unincorporated) | Property and timber damage over a large area acreage (50+) |
| City of Demopolis | Property and timber damage over a small acreage (5+) |
| City of Linden | Property and timber damage over a small acreage (5+) |
| Town of Dayton | Property and timber damage over a small acreage (5+) |
| Town of Faunsdale | Property and timber damage over a small acreage (5+) |
| Town of Myrtlewood | Property and timber damage over a small acreage (5+) |
| Town of Providence | Property and timber damage over a small acreage (5+) |
| Town of Sweet Water | Property and timber damage over a small acreage (5+) |
| Town of Thomaston | Property and timber damage over a small acreage (5+) |
| Perry County (unincorporated) | Property and timber damage over a large area acreage (50+) |
| City of Marion | Property and timber damage over a small acreage (5+) |
| City of Uniontown | Property and timber damage over a small acreage (5+) |
| Pickens County (unincorporated) | Property and timber damage over a large area acreage (50+) |
| City of Aliceville | Property and timber damage over a small acreage (5+) |

| Jurisdiction | Extent |
|---|---|
| Town of Ethelsville | Property and timber damage over a small acreage (5+) |
| Town of Carrollton | Property and timber damage over a small acreage (5+) |
| Town of Gordo | Property and timber damage over a small acreage (5+) |
| Town of McMullen | Property and timber damage over a small acreage (5+) |
| Town of Memphis | Property and timber damage over a small acreage (5+) |
| Town of Pickensville | Property and timber damage over a small acreage (5+) |
| Town of Reform | Property and timber damage over a small acreage (5+) |
| Sumter County (unincorporated) | Property and timber damage over a large area acreage (100+) |
| City of Livingston | Property and timber damage over a small acreage (5+) |
| City of York | Property and timber damage over a small acreage (5+) |
| Town of Cuba | Property and timber damage over a small acreage (5+) |
| Town of Emelle | Property and timber damage over a small acreage (5+) |
| Town of Epes | Property and timber damage over a small acreage (5+) |
| Town of Gainsville | Property and timber damage over a small acreage (5+) |
| Town of Geiger | Property and timber damage over a small acreage (5+) |
| Tuscaloosa County (unincorporated) | Property and timber damage over a large area acreage (50+) |
| City of Northport | Property and timber damage over a small acreage (5+) |
| City of Tuscaloosa | Property and timber damage over a small acreage (5+) |
| Town of Brookwood | Property and timber damage over a small acreage (5+) |
| Town of Coaling | Property and timber damage over a small acreage (5+) |
| Town of Coker | Property and timber damage over a small acreage (5+) |
| Town of Lakeview | Property and timber damage over a small acreage (5+) |
| Town of Vance | Property and timber damage over a small acreage (5+) |
| Wilcox County (unincorporated) | Property and timber damage over a large area acreage (50+) |
| City of Camden | Property and timber damage over a small acreage (5+) |
| Town of Pine Hill | Property and timber damage over a small acreage (5+) |
| Town of Pine Apple | Property and timber damage over a small acreage (5+) |
| Town of Oak Hill | Property and timber damage over a small acreage (5+) |
| Town of Yellow Bluff | Property and timber damage over a small acreage (5+) |

**Historical Occurrences**

AEMA Division C has not had any major wildfires recorded in recent history. Throughout the planning region, “controlled burns” through land management are performed, this practice often aids in the prevention/limits the impact of wildfires throughout the area. Rivers, streams, cultivated fields, wide roadways all serve as natural and manmade firebreaks.

The majority of the planning area has low to medium historical occurrences according to data provided by the Alabama Forestry Commission. In AEMA Division C, the counties of Dallas,

Perry and Wilcox, located in the southern part of the region, have each recorded over 400 fire occurrences between January 2000 and November 2019. Tuscaloosa County reports over 500 occurrences, with a little over 5,000 total acres burned in the specified time period. These counties have a Moderate to High Risk of Wildfires. The remaining counties in the planning region are classified as having a Low to Medium risk. Table 4.27 provides the number of fires and acres burned, per county.

**Table 4.27 Wildfire Summary for AEMA Division C**

| Number of Wildfire Occurrences Between January 2000 and November 2019 | | |
|---|---|---|
| County | Number of Fires | Acres Burned |
| Bibb | 326 | 3,480.40 |
| Dallas | 410 | 2,693.00 |
| Greene | 244 | 2,041.88 |
| Hale | 312 | 1,250.55 |
| Marengo | 323 | 2,834.36 |
| Perry | 491 | 3,594.54 |
| Pickens | 217 | 1,993.25 |
| Sumter | 121 | 2,461.75 |
| Tuscaloosa | 542 | 5,063.60 |
| Wilcox | 444 | 4,194.55 |
| Totals | 3,430 | 29,607.88 |

***Source: Alabama Forestry Commission (2019)***

**Probability of Future Occurrence and Loss Estimation**

The Southern Wildfire Risk Assessment Summary Report classifies most of the planning area as having a low to moderate burn probability. Multiple isolated wildfires occur each year in the planning area, the majority of these have been minor in nature and have not greatly impacted the planning area.

Appendix F contains maps illustrating the burn probability of participating jurisdictions. The burn probability of an area is the probability of an area burning given current landscape conditions, percentile weather, historical ignition patterns and historical fire prevention and suppression efforts. Burn probability is intended to support an actuarial approach to quantitative wildfire risk analysis, not depict fire return intervals or routes of travel. It is measured on a scale from 1-10, with 1 being the lowest probability and 10 being the highest. In Division C, there are no land areas classified as having a risk higher than a 6.

## WINTERSTORMS

### Background

Winter storms can encompass any of the following:

- Blizzard: Winds of 35 mph or more with snow and blowing snow reducing visibility to less than ¼ mile for 3 hours or more.
- Blowing snow: Wind-driven snow that reduces visibility. Blowing snow may be falling snow and/or snow on the ground picked up by the wind.
- Snow squalls: Brief, intense snow showers accompanied by strong, gusty winds. Accumulation may be significant.
- Snow showers: Snow falling at varying intensities for brief periods of time. Some accumulation is possible.
- Snow flurries: Light snow falling for short durations with little or no accumulation.
- Freezing rain: Frozen precipitation melts in warm air, as rain falls and freezes on cold surfaces as a sheet of ice.
- Sleet: Frozen precipitation melts and refreezes into sleet before hitting ground

The National Weather Service monitors winter weather conditions and may issue the following type of alerts:

- Winter Storm Outlook - Winter storm conditions are possible in the next 2 to 5 days.
- Winter Weather Advisory - Winter weather conditions are expected to cause significant inconveniences and may be hazardous. When caution is used, these situations should not be life threatening.
- Winter Storm Watch - Winter storm conditions are possible within the next 36 to 48 hours. People in a watch area should review their winter storm plans and stay informed about weather conditions.
- Winter Storm Warning - Life-threatening, severe winter conditions have begun or will begin within 24 hours. People in a warning area should take precautions immediately.

### Locations Affected

Winter storms are a rare occurrence in AEMA Division C, but when they do occur, they have a significant impact. Local governments have improved their response to winter storm events with pretreatments and clearing operations, but must address the road network need based on priorities. Local drivers are not accustomed to driving in adverse conditions and automobile accidents are common occurrences. Ice and snow weigh down limbs and power lines causing them to break under pressure, resulting in power failure and property damage. During extended times of power failure, most residents and businesses are not equipped with backup generators. The impacts of these storms are generally the result of the infrequency of their occurrence. All residents of the planning area are vulnerable to severe winter storms because these storms have no defined track.

### Extent

The planning area experiences winter weather infrequently. The few winter storms documented in the area have caused a few inches of ice and/or snow. Most local governments and private citizens are unprepared when they do occur. Snow can immobilize the area, stranding

commuters and disrupting emergency and medical services. Snow and ice can lead to downed trees and power lines. Ice can disrupt communications and power for days while utility companies repair the damage. Even small accumulations of ice and snow are extremely dangerous to motorists and pedestrians. Bridges and overpasses are particularly dangerous because they freeze before other surfaces. Normally during a winter storm most non-essential businesses close for a few days until the weather improves, which results in economic losses.

**Historical Occurrences**

The "Blizzard of 1993" was a significant winter weather event in west-central Alabama. There were minor winter weather events over portions of the planning area in 2002 and 2010. Most recently, in January 2014, a system moved through that caused a layer of one to two inches of mixed precipitation (mostly ice) to freeze on roads throughout the region. This system caused most normal operations to shut down for at least two days and caused some property damage due to falling trees and frozen pipes in the region.

**Probability of Future Events**

Winter storms in west-central Alabama are infrequent and generally short-term events; therefore, they have a low probability of causing major damage in Division C.

## 4.3 Vulnerability Summary by Jurisdiction

**Vulnerability Overview**
It should be noted that this version of the Regional Hazard Mitigation Plan was unable to use FEMA's HAZUS-MH software to assist in the vulnerability assessment. The next revision of the Plan will be able to have scenarios developed using HAZUS to assist in estimating damage and financial losses for prioritized hazards.

This section presents a qualitative assessment of the risk and potential impact of each identified hazard. Assigned risk levels were determined based on the hazard profiles developed earlier in this section. The classifications generated from this table assists in the prioritization of hazard risk through objectively looking at the possible scope of the studied hazards. In order to quantify the risk classifications, varying degrees of risk factors (probability, impact, location extent, warning time, and duration) were assigned a value of "1" to "4" and weighted in order to create at total value with a maximum score of 4.0.

**Table 4.28 Risk Index for Regional Hazards**

| Category | Level | Criteria | Index Value | Weighted Factor |
|---|---|---|---|---|
| **Probability** | Very Low | Less than 1% annual probability | 1 | 30% |
| | Low | Between 1% and 10% annual probability | 2 | |
| | Medium | Between 10% and 100% annual probability | 3 | |
| | High | 100% annual probability | 4 | |
| **Impact** | Minor | Very few injuries, if any occur. Only minor property damage and minimal disruption of quality of life. Temporary shutdown of critical facilities. | 1 | 30% |
| | Limited | Minor injuries only. More than 10% of property in affected area damaged or destroyed. Complete shutdown of critical facilities for more than one day. | 2 | |
| | Critical | Multiple deaths/injuries possible. More than 25% of property in affected area damaged or destroyed. Complete shutdown of critical facilities for more than one week. | 3 | |
| | Catastrophic | High number of deaths/injuries possible. More than 50% of property in affected area damaged or destroyed. Complete shutdown of critical facilities for one month or more. | 4 | |
| **Location Extent** | Negligible | Less than 1% of area affected. | 1 | 20% |
| | Small | Between 1% and 10% of area affected. | 2 | |
| | Moderate | Between 10% and 50% of area affected. | 3 | |
| | Large | Between 50% and 100% of area affected. | 4 | |
| **Warning Time** | More than 24 hours | Self-explanatory | 1 | 10% |
| | 12 to 24 hours | Self-explanatory | 2 | |
| | 6 to 12 hours | Self-explanatory | 3 | |
| | Less than 6 hours | Self-explanatory | 4 | |
| **Duration** | Less than 6 hours | Self-explanatory | 1 | 10% |
| | Less than 24 hours | Self-explanatory | 2 | |
| | Less than one week | Self-explanatory | 3 | |
| | More than one week | Self-explanatory | 4 | |

Table 4.29 assigns a qualitative risk impact assessment for each hazard, based from the hazard profiles created in this section and other input from plan stakeholders. The results were used in calculating the values for each hazard in order to prioritize the regional impacts of identified hazards in this plan. It should be noted that this assessment is just a categorization of most likely factors for each hazard.

**Table 4.29 Summary of Regional Hazard Risk Impact**

| Hazard | Degree of Risk | | | | | |
|---|---|---|---|---|---|---|
| | **Probability** | **Impact** | **Location Extent** | **Warning Time** | **Duration** | **Weighted Score** |
| **Dam Failure** | Very Low | Critical | Small | 6-12 hours | Less than 24 hours | 2.1 |
| **Drought/ Extreme Heat** | Medium | Minor | Small | More than 24 hours | More than one week | 2.1 |
| **Flooding** | High | Critical | Moderate | 6-12 hours | Less than one week | 3.3 |
| **High Winds-Hurricanes** | Low | Critical | Large | More than 24 hours | Less than 24 hours | 2.6 |
| **High Winds-Tornadoes** | High | Critical | Small | Less than 6 hours | Less than 6 hours | 3.0 |
| **High Winds-Severe Thunderstorms** | Medium | Minor | Moderate | Less than 6 hours | Less than 6 hours | 2.6 |
| **Landslides** | Low | Minor | Negligible | Less than 6 hours | Less than 6 hours | 1.6 |
| **Land Subsidence/ Sinkholes** | Low | Minor | Small | Less than 6 hours | Less than 6 hours | 1.8 |
| **Wildfire** | High | Minor | Small | Less than 6 hours | Less than one week | 2.3 |
| **Winter Storms** | Low | Limited | Large | More than 24 hours | Less than one week | 2.4 |

Based from the results of the hazard assessment summary, the highest priority hazards for the planning area are Flooding (3.3 Score), High Winds-Tornadoes (3.0 Score), and High Winds-Severe Storms/Hurricanes (2.6 Score).

Jurisdictions in the division share similar vulnerabilities with respect to natural hazards. A discussion of these vulnerabilities are discussed below:

**Bibb County**

- Over twenty-percent of the population is over the age of 62 in two of the five jurisdictions. Vulnerability to hazards is higher for those with increased health risks due to aging.
- Lower income individuals are also classified as having higher vulnerability due to lack of resources to prepare and to recover from disasters. Brent is the only jurisdiction with a population living below the poverty level that exceeds 20 percent.
- Over half the housing in Bibb County is over 35 years old and includes many mobile homes (see table 2.4). Mobile homes represent over 20% of the housing stock in three of the five jurisdictions; increasing these individual's vulnerability to the effects of all

hazards. Brent is the only jurisdiction with a Housing Authority; these residents are low income and have increased vulnerability to natural hazards.

- Group quarters in Bibb County have higher population density and higher vulnerability to hazards such as High Wind Events (Hurricanes, Tornadoes, Severe Thunderstorms) and Wildfires. Group quarters in the county include the county jail and Bibb Medical Center Nursing Home in Centreville.
- The county has many areas vulnerable to flooding and flash flooding. Floodplain areas are present throughout the county, but primarily affect parts of Brent and Centreville (refer to Figure 4.4). All of the jurisdictions participate in the NFIP; but only the county has a Floodplain Manager. In addition to NFIP vulnerabilities, the municipalities all have sanitary sewer facilities that, to varying degrees, require improvements to address inflow and infiltration issues during periods of heavy rain or flooding. Flash flooding vulnerability exists in limited areas throughout the county that are prone to flooding due to a lack of drainage facilities or inadequate infrastructure.
- The timber industry provides employment for a large number of workers in Bibb County. Strong winds (Hurricanes, Tornadoes, Severe Thunderstorms) and wildfires are two hazards for which the county has an increased vulnerability. Should one of these events occur and damage the county's timber stock, the local economy would be significantly affected. Manufacturing is increasing at the Scott G. Davis Industrial Park; the new Mercedes Global Logistics Center is expected to employ over 600 by 2022. This park represents a concentration of the majority of manufacturing jobs in the county, and would be economically crippling if lost to a natural disaster.
- The need for backup power generation at critical facilities is still considerable in nearly all jurisdictions. This deficit increases vulnerability to all hazards across the entire county.
- All the jurisdictions have funding challenges. The lack of dedicated funds for mitigation projects significantly increases their vulnerability to all hazards.

**Dallas County**

- With respect to vulnerable populations, the Town of Orrville has over forty percent of its populations being over the age of 62. Older individuals are generally accepted to have higher vulnerability to hazards due to lessened physical and often mental capacity. Additionally, lower income individuals are classified as having higher vulnerability due lack of resources to prepare and to recover from disasters. In Selma, forty-one percent of residents are living below the poverty line and in Orrville this percentage is just over thirty-five.
- Housing stock in the City of Valley Grande consists of a significant percentage of mobile homes (25.8%). These homes makes individuals more vulnerable to the effects of all hazards. Also in unincorporated areas there are large percentages of mobile homes, particularly in the west-central part of the county.
- There is a significant amount of high density, low income housing units in the City of Selma. These units are managed by the Selma Housing Authority. These residents are low income and have increased vulnerability to natural hazards.
- In Dallas County there are a number of group quarters, these facilities have higher population density which makes them more vulnerable to hazards. Specifically these locations are more vulnerable to High Wind Events (Hurricanes, Tornadoes, Severe Thunderstorms) and Wildfires. Group quarters in the county include the following, all of

which are located in Selma: Dallas County Jail, two nursing homes, and four assisted living facilities. Vaughn Regional Medical Center is located in Selma also, it is a 175 bed hospital.

- A number of factors influence jurisdiction's vulnerability to flooding and flash flooding. There are floodplain areas located throughout the county (refer to Figure 4.5). All jurisdictions in the county participate in the NFIP but none have a certified floodplain manager. The City of Selma house multiple homes affected by flooding in Ward 8. Flash flooding vulnerability is influenced by multiple areas throughout the county that flood due to nonexistent, undersized, or deteriorated drainage infrastructure.
- The county is reliant upon a number of major employers. If an event were to occur that damaged any of these facilities it would cripple the economy. Strong winds (Hurricanes, Tornadoes, Severe Thunderstorms) and wildfires are two hazards for which the county has an increased vulnerability. These facilities include: International Paper, Seoyon E-Hwa Interior Systems Alabama, Plantation Patterns, Honda Lock America, and Bush Hog.
- Although many critical facilities have backup power generation in the county, there are still a significant number in need of this capability. The lack of this capability increases vulnerability to all hazards.
- The jurisdictions and the county have limited to no funding to support mitigation efforts. This lack of funding to dedicate to mitigation projects influences its' vulnerability to all hazards.

**Greene County**

- The percent of the population over age 62 in the county exceeds twenty-five percent. This is also the case in three of the 4 municipal jurisdictions; the city of Eutaw has the highest rate at 40 percent. These individuals have a higher vulnerability to hazards due to the natural decline in overall health that occurs with advanced age.
- Lower income individuals are also classified as having higher vulnerability due to lack of resources to prepare and to recover from disasters. County-wide the population living below the poverty level is 38.7%; three of the four municipal jurisdictions have a rate over 20%, with the poverty rate in Boligee being the highest at 70.5%.
- Housing stock in the county consists of a high number of mobile homes and older homes (see table 2.4). Mobile homes exceed 35% of the housing stock in three jurisdictions. Forkland has the highest rate at 60.2%. These individuals are far more vulnerable to the effects of all hazards. Two Housing Authorities are present in Eutaw; these residents are low income and more vulnerable.
- Group quarters present in Greene County have higher population density and higher vulnerability to hazards such as High Wind Events (Hurricanes, Tornadoes, Severe Thunderstorms) and Wildfires. Group quarters in the county include the county jail and one nursing home, Greene County Residential Care in Eutaw.
- Due to its borders being the Tombigbee and Black Warrior rivers, the unincorporated county has many areas vulnerable to flooding and flash flooding. There are floodplain areas located throughout the county; the four jurisdictions are, however, positioned primarily outside of the flood hazard areas (refer to Figure 4.6). Three of the jurisdictions do not currently participate in the NFIP; and only the county has a Floodplain Manager. In addition to NFIP vulnerabilities, Eutaw and Boligee operate WWTP facilities. The City of Eutaw's system is the oldest and needs upgrades to

eliminate inflow and infiltration problems that occur during heavy rain and flooding events. Flash flooding vulnerability exists in most areas throughout the county that are prone to flooding due to a lack of drainage facilities or inadequate infrastructure. Areas along the river that have vacation homes and fish camps are especially vulnerable.

- The electronic bingo facilities collectively employ the highest number of workers in Greene County. Protecting these facilities and another large employer, Love's Travel Stop, located near Interstate I/20/59 is important to the economic health of the entire county. Other large employers, such as the hospital, school system and two large industries are concentrated in the City of Eutaw, the county seat.
- The need for backup power generation at critical facilities remains high in nearly all jurisdictions. This deficit increases vulnerability to all hazards across the entire county.
- Inability to fund mitigation efforts is prevalent in all the jurisdictions of this Black Belt county, considered one of the poorest in the state. The lack of dedicated funds for mitigation projects, or even the ability to provide matching funds for grants, renders the county and its jurisdictions highly vulnerable to all hazards.

**Hale County**

- Over twenty-percent of the population is over the age of 62 in three of the five jurisdictions. Vulnerability to hazards is higher for older populations likely to be experiencing a decline in overall health.
- Lower income individuals are also classified as having higher vulnerability due to lack of resources to prepare and to recover from disasters. Three jurisdictions have over 30% of their population living below the poverty level.
- Nearly half of the housing stock in the county is over 35 years old and many mobile homes are present (see table 2.4). Mobile homes exceed 35% of the housing stock in the county overall; and, in two jurisdictions the rate exceeds 44%. These individuals are far more vulnerable to the effects of all hazards. One Housing Authority is present in the City of Greensboro; these residents are low income and more vulnerable to hazards.
- Group quarters present in Hale County have higher population density and higher vulnerability to hazards such as High Wind Events (Hurricanes, Tornadoes, Severe Thunderstorms) and Wildfires. Group quarters in the county include the county jail and two nursing homes; Colonial Haven in Greensboro and Moundville Health and Rehabilitation Center.
- The county, due to its western border being the Black Warrior River, is vulnerable to flooding and flash flooding in many areas. Floodplain areas are prevalent within the county and affect the majority of the jurisdictions (refer to Figure 4.7). Two of the jurisdictions do not participate in the NFIP; and, only the county has a Floodplain Manager. In addition to NFIP vulnerabilities, Akron, Greensboro and Moundville operate WWTP facilities; upgrades have been made to these systems but work is still needed. Drainage facilities are either not present, limited, or inadequate in most all areas of the county. Vulnerability to flash flooding exists in most areas throughout the county that are prone to flooding due to insufficient infrastructure. Areas along the river that have vacation homes and fish camps are especially vulnerable.
- The timber industry is a major employer in Hale County. Strong winds (Hurricanes, Tornadoes, Severe Thunderstorms) and wildfires are two hazards for which the county has an increased vulnerability. The local economy would be significantly affected if one of these events damaged the county's timber stock.

- Critical facilities in all jurisdictions continue to have a need for backup power generation. Vulnerability to all hazards will remain high across the entire county until this is addressed.
- The lack of dedicated funds for mitigation projects significantly increases the county's vulnerability to all hazards. Lack of funding to support mitigation efforts is prevalent in nearly all the jurisdictions, especially the smallest towns such as Akron and Newbern that have few sources of revenue.

**Marengo County**

- With respect to vulnerable populations, Dayton, Faunsdale, Linden, Myrtlewood, and Providence all have over 20 % of their populations being over the age of 62. Older individuals are generally accepted to have higher vulnerability to hazards due to lessened physical and often mental capacity. Additionally, lower income individuals are classified as having higher vulnerability due lack of resources to prepare and to recover from disasters. In both Dayton and Linden, 25% of the population live below the poverty line.
- Housing stock in Dayton, Faunsdale, Myrtlewood, Providence, and Thomaston consists of a significant percentage of mobile homes (>25%). These homes makes individuals more vulnerable to the effects of all hazards. Also in unincorporated areas there are large percentages of mobile homes.
- Both the City of Demopolis and City of Linden have housing authorities that provide housing to low income households. In Demopolis there are high concentrations of low income housing units in the eastern area of the city. In Linden there are a large number for low income limits in the MLK area of the city.
- In Marengo County there are a number of group quarters, these facilities have higher population density which makes them more vulnerable to hazards. Specifically these locations are more vulnerable to High Wind Events (Hurricanes, Tornadoes, Severe Thunderstorms) and Wildfires. Group quarters in the county include the following: Marengo County Jail (Linden), Linden Nursing Home, Woodhaven Manor Nursing Home (Demopolis) and two assisted living facilities. Whitfield Regional Hospital is located in Demopolis, it is a 99 bed hospital.
- A number of factors influence jurisdiction's vulnerability to flooding and flash flooding. There are floodplain areas located throughout the county (refer to Figure 4.8). Dayton, Myrtlewood, and Sweetwater are not NFIP participants. Faunsdale is unmapped by the NFIP. All remaining jurisdictions are NFIP participants but none have a certified floodplain manager. Flash flooding vulnerability is influenced by multiple areas throughout the county that flood due to nonexistent, undersized, or deteriorated drainage infrastructure.
- The county is reliant upon a number of major employers, many of them timber related. If an event were to occur that damaged any of these facilities it would cripple the economy. Also damage to the county and surrounding area's timber stock would adversely affect the economy. Strong winds (Hurricanes, Tornadoes, Severe Thunderstorms) and wildfires are two hazards for which the county has an increased vulnerability. These facilities include: WestRock, Linden Lumber, Two Rivers Lumber, and Foster Farms.
- Although many critical facilities have backup power generation in the county, there are still a significant number in need of this capability. The lack of this capability increases vulnerability to all hazards.

- The jurisdictions and the county have limited to no funding to support mitigation efforts. This lack of funding to dedicate to mitigation projects influences its' vulnerability to all hazards.

**Perry County**

- With respect to vulnerable populations, all three jurisdictions have over twenty-percent of their populations being over the age of 62. Older individuals are generally accepted to have higher vulnerability to hazards due to lessened physical and often mental capacity. Additionally, lower income individuals are classified as having higher vulnerability due lack of resources to prepare and to recover from disasters. All three jurisdictions have roughly half of their population living below the poverty line, these percentages makes Perry County one of the poorest counties in the state.
- Housing stock in the county consists of a significant number of mobile homes in all jurisdictions. These homes makes individuals more vulnerable to the effects of all hazards.
- In Perry County there are a number of group quarters, these facilities have higher population density which makes them more vulnerable to hazards. Specifically these locations are more vulnerable to High Wind Events (Hurricanes, Tornadoes, Severe Thunderstorms) and Wildfires. Group quarters in the county include the following, all of which are located in Marion: Perry County Jail, Southland Nursing Home, Perry County Nursing Home, Marion Military Institute dormitories, and Judson College dormitories.
- A number of factors influence jurisdiction's vulnerability to flooding and flash flooding. There are floodplain areas located throughout the county (refer to Figure 4.9). At this time the City of Marion is the only jurisdiction participating in the NFIP, both Uniontown and the county are sanctioned communities. In Marion, there is no certified floodplain manager. In addition to NFIP vulnerabilities, both Marion and Uniontown's WWTPs are older facilities that are easily overloaded during periods of rainfall leading to wastewater overflows. These conditions are exacerbated by sewer lines in need of rehabilitation that result in significant inflow and infiltration into the systems. Flash flooding vulnerability is influenced by multiple areas throughout the county that flood due to nonexistent, undersized, or deteriorated drainage infrastructure.
- The county is reliant upon the timber industry. If an event occurred that damaged the county's timber stock, it would cripple the economy. Strong winds (Hurricanes, Tornadoes, Severe Thunderstorms) and wildfires are two hazards for which the county has an increased vulnerability. In addition, the City of Uniontown is dependent upon Harvest Select, a catfish processing plant, for employment for the community. The loss of this facility to a natural hazard would devastate the city's economy.
- Although many critical facilities have backup power generation in the county, there are still a significant number in need of this capability. The lack of this capability increases vulnerability to all hazards.
- The jurisdictions in the county have limited to no funding to support mitigation efforts. This lack of funding to dedicate to mitigation projects influences its' vulnerability to all hazards.

**Pickens County**

- Over twenty-percent of the population is over the age of 62 in five of the nine jurisdictions. These individuals have higher vulnerability to hazards due to a possible decline in physical and mental capacities.

- Lower income individuals are also classified as having higher vulnerability due to lack of resources to prepare and to recover from disasters. Six jurisdictions have over 35% of their population living below the poverty level.
- Just under half of the housing stock in the county consists of older homes and includes a modest number of mobile homes (see table 2.4). Mobile homes exceed 35% of the housing stock in two jurisdictions. These individuals are far more vulnerable to the effects of all hazards. Housing Authorities are present in Aliceville, Gordo and Reform; these residents are low income and more vulnerable to hazards.
- Group quarters present in Pickens County have higher population density and higher vulnerability to hazards such as High Wind Events (Hurricanes, Tornadoes, Severe Thunderstorms) and Wildfires. Group quarters in the county include FCI Aliceville (federal women's prison); the county jail, and two nursing home facilities; Aliceville Manor and Arbor Woods Health and Rehab in Reform.
- The county has many areas vulnerable to flooding and flash flooding. There are floodplain areas located throughout the county that affect nearly every jurisdiction (refer to Figure 4.10). All but three of the jurisdictions participate in the NFIP; but only the county and one municipality have a Floodplain Manager. In addition to NFIP vulnerabilities, Aliceville, Carrollton, Gordo and Reform have aged WWTP facilities or collections systems that need upgrades to eliminate inflow and infiltration problems that occur during heavy rain and flooding events. Flash flooding vulnerability exists in most areas throughout the county that are prone to flooding due to a lack of drainage facilities or inadequate infrastructure. Areas along the Tombigbee river that have vacation homes and year-round residents are most vulnerable, especially the Rivermont area in Pickensville.
- The timber industry provides employment for a large number of workers in Pickens County. Strong winds (Hurricanes, Tornadoes, Severe Thunderstorms) and wildfires are two hazards for which the county has an increased vulnerability. Should one of these events occur and damage the county's timber stock, the local economy would be significantly affected. FCI Aliceville is the largest single employer in the county. Protecting these jobs from losses due to natural hazards is even more important now that the Pickens County Medical Center has closed; it had been one of the top 5 employers in the county.
- The need for backup power generation at critical facilities is still considerable in nearly all jurisdictions. This deficit increases vulnerability to all hazards across the entire county.
- Lack of funding to support mitigation efforts is prevalent in nearly all the jurisdictions, especially the smallest towns that have few sources of revenue such as Ethelseville, Memphis and McMullen. The lack of dedicated funds for mitigation projects significantly increases their vulnerability to all hazards.

**Sumter County**

- With respect to vulnerable populations, all three jurisdictions have over twenty-percent of their populations being over the age of 62. Older individuals are generally accepted to have higher vulnerability to hazards due to lessened physical and often mental capacity. Over 30% of Cuba's population is over 62 years old. Over 20% of both Emelle and Geiger's populations are over 62 years old. Additionally, lower income individuals are classified as having higher vulnerability due lack of resources to prepare and to recover

from disasters. Three jurisdictions in the county have over one third of their populations living below the poverty line: Gainesville (46.6%), Livingston (42.3%), and York (36.2%).

- A high percentage of housing stock is mobile homes in Emelle (38%), Epes (28%), Gainesville (67%), and Geiger (58%). These homes makes individuals more vulnerable to the effects of all hazards.
- In Sumter County there are a number of group quarters, these facilities have higher population density which makes them more vulnerable to hazards. Specifically these locations are more vulnerable to High Wind Events (Hurricanes, Tornadoes, Severe Thunderstorms) and Wildfires. Group quarters in the county include the following: Sumter County Jail (Livingston), Sumter Health and Rehabilitation (York) and University of West Alabama dormitories (Livingston).
- Regarding dam failure, both Livingston and York have vulnerable areas. In Livingston, there are apartments in proximity to the Lake LU dam which are at risk in the event of dam failure. In York, there are approximately 50-60 residences vulnerable to the dam failure for the dam on Toomsuba Creek.
- In Sumter County, the Waste Management- Emelle Hazardous Waste Facility poses a vulnerability to the surrounding area due to the presence of hazardous materials.
- A number of factors influence jurisdiction's vulnerability to flooding and flash flooding. There are floodplain areas located throughout the county (refer to Figure 4. 11). At this time all jurisdictions with the exceptions of Gainesville (sanctioned) and Emelle (unmapped) participate in the NFIP. No jurisdiction has a certified floodplain manager. Flash flooding vulnerability is influenced by multiple areas throughout the county that flood due to nonexistent, undersized, or deteriorated drainage infrastructure.
- The county is reliant upon the timber industry. If an event occurred that damaged the county's timber stock, it would cripple the economy. Strong winds (Hurricanes, Tornadoes, Severe Thunderstorms) and wildfires are two hazards for which the county has an increased vulnerability.
- Although many critical facilities have backup power generation in the county, there are still a significant number in need of this capability. The lack of this capability increases vulnerability to all hazards.
- The jurisdictions in the county have limited to no funding to support mitigation efforts. This lack of funding to dedicate to mitigation projects influences its' vulnerability to all hazards.

**Tuscaloosa County**

- Lower income individuals are more vulnerable to hazard events due to lack of resources to prepare and to recover from disasters. The City of Tuscaloosa has the highest rate (24.2%) of their population living below the poverty level within the county.
- The housing stock in Tuscaloosa County does not reflect a high percentage of mobile homes; however, in actual number, it significantly exceeds the other counties. Mobile homes are located primarily in the unincorporated areas and the towns of Brookwood and Coaling. The overall age of housing in Tuscaloosa County is also higher than other counties in Division C (see table 2.4). These residents are far more vulnerable to the effects of all hazards. Housing Authorities are present in Tuscaloosa and Northport; these residents are low income and more vulnerable. In addition, the City of Tuscaloosa has a

significant number of large, population-dense, apartment complexes. These high concentrations of multi-unit residential structures present an inherent vulnerability.

- Group quarters present in Tuscaloosa County also have higher population density and higher vulnerability to hazards such as High Wind Events (Hurricanes, Tornadoes, Severe Thunderstorms) and Wildfires. Group quarters in the county include the University of Alabama and Stillman College dormitories; the county jail; Taylor-Hardin Secure Medical Facility; Tuscaloosa Juvenile Detention Center; the Tuscaloosa Veteran's Hospital; Bryce Hospital; and six long-term care facilities in Northport and one in Tuscaloosa.
- The county has many areas, particularly along the Black Warrior River, vulnerable to flooding and flash flooding (refer to Figure 4.12). The counties two largest municipalities, Northport and Tuscaloosa, are located directly along the river. The City of Moundville, partially located in Tuscaloosa County, is also on the river. All of the jurisdictions participate in the NFIP; but only the County and the cities of Northport and Tuscaloosa have a Floodplain Manager. Flash flooding vulnerability exists in most areas throughout the county that are prone to flooding due to a lack of drainage facilities or inadequate infrastructure. The City of Tuscaloosa has areas prone to flash flooding that require upgrades to stormwater infrastructure.
- The University of Alabama, Mercedes Benz and its suppliers, and DCH Regional Medical Center are the biggest employers in the county. These, and many other manufacturers and additional educational institutions, serve to provide employment for surrounding counties as well as local residents and are vital to the welfare of the region. The University and DCH were just barely missed in the 2011 tornado path, revealing that the impact could have been even more devastating.
- The availability of backup power generation at critical facilities is still needed in many of the smaller jurisdictions. Until fully addressed, vulnerability to all hazards will remain high in these jurisdictions.
- The lack of dedicated funds for mitigation projects is an issue for most of the smaller jurisdictions and increases their vulnerability to all hazards.

**Wilcox County**

- With respect to vulnerable populations all jurisdictions have over twenty-percent of their populations being over the age of 62, except Pine Hill. Older individuals are generally accepted to have higher vulnerability to hazards due to lessened physical and often mental capacity. Additionally, lower income individuals are classified as having higher vulnerability due lack of resources to prepare and to recover from disasters. All jurisdictions have at least 20% of their population living below the poverty line.
- A high percentage of housing stock is mobile homes in Oak Hill (70%) and Yellow Bluff (69%). These homes makes individuals more vulnerable to the effects of all hazards.
- In Wilcox County there are a number of group quarters, these facilities have higher population density which makes them more vulnerable to hazards. Specifically these locations are more vulnerable to High Wind Events (Hurricanes, Tornadoes, Severe Thunderstorms) and Wildfires. Group quarters in the county include the Wilcox County Jail and the Camden Nursing Facility.
- A number of factors influence jurisdiction's vulnerability to flooding and flash flooding. There are floodplain areas located throughout the county (refer to Figure 4. 13). All jurisdictions with the exception of Oak Hill and Pine Apple participate in the NFIP. Both

Oak Hill and Pine Apple are unmapped. No jurisdiction has a certified floodplain manager. Flash flooding vulnerability is influenced by multiple areas throughout the county that flood due to nonexistent, undersized, or deteriorated drainage infrastructure.

- The county is reliant upon the timber industry. If an event occurred that damaged the county's timber stock, it would cripple the economy. Strong winds (Hurricanes, Tornadoes, Severe Thunderstorms) and wildfires are two hazards for which the county has an increased vulnerability. The county's largest employer is International Paper in Pine Hill.
- Although many critical facilities have backup power generation in the county, there are still a significant number in need of this capability. The lack of this capability increases vulnerability to all hazards.
- The jurisdictions in the county have limited to no funding to support mitigation efforts. This lack of funding to dedicate to mitigation projects influences its' vulnerability to all hazards.

**Vulnerability and Changes in Development**

Overall, the population in the majority of Division C counties has been declining for many years. These are primarily rural counties with limited manufacturing and sluggish commercial activity. There have been some bright spots with some small local businesses opening; however, many have downtowns with a high percentage of vacant store fronts; and, struggling schools and hospitals. The Pickens County Medical Center, a major employer in Pickens County, closed March 6, 2020 during the preparation of this plan. The hospital had participated in the planning process and was included as a lead agency for select actions in the Carrollton Mitigation Action Plan. These references have been removed in the finalized action plan as the hospital will no longer be able to adopt the plan. If, at a later date, the hospital re-opens, the plan will be updated to reflect this change in status. The closure of the hospital affects the vulnerability of the area the hospital served. Without a hospital those injured in the event of a hazard event would have to be transported to other hospitals in the area, which may in turn overload those facilities.

The majority of development in Division C is occurring in Tuscaloosa and Bibb counties. The City of Tuscaloosa, historically the area's most populous jurisdiction, has continued to grow due to a high level of enrollment at the University of Alabama which, in turn, has fueled a significant increase in the construction of large apartment complexes and numerous hotels to support sports tourism. Rebuilding of commercial areas after the 2011 tornado and a strong manufacturing presence from Mercedes-Benz U.S. International (MBUSI) and its suppliers has also contributed significantly to the surge of development in the City of Tuscaloosa as well as the City of Northport, particularly along the Highway 82 commercial corridor, and the surrounding county. The economy has been so robust that neighboring Bibb County's Scott G. Davis Industrial Park was selected for the new battery plant, North American Parts hub, and logistics center for MBUSI. The county's location between Tuscaloosa and Birmingham has resulted in significant commercial activities for towns such as Woodstock that are along the Interstate I-20/59 corridor. Exit 100 (Hwy 216) located in Woodstock's jurisdiction has numerous commercial business currently under construction, building on the presence of Love's Travel Stop and Petro Truck Stop; Tuscaloosa County constructed the new East Tuscaloosa Activity Center on Hwy 216 less than one mile from this exit.

The increased development in Tuscaloosa and Bibb counties affects vulnerability. The more development, the more individuals that will be attracted into these areas. Development leads to more structures being vulnerable to the effects of hazards. In particular, the dynamic of the wildland urban interface is affected leading to a higher risk of WUI wildfires occurring. With regards to developments effect on floodplain areas, all growing jurisdictions discussed here are active participants in the NFIP. It will be vital for these communities to enforce their flood ordinances in order to minimize vulnerability.

## 4.4 Critical Facilities/Infrastructure by Jurisdiction

Critical facilities are defined as facilities that are essential to the community, or may be crucial to the delivery of vital services, such as utilities and public safety. These facilities are critical to the health and welfare of the entire jurisdiction. They become essential in the event of a natural disaster. Examples of these facilities include police stations, fire stations, schools, and hospitals. Critical facilities are lifelines that provide the jurisdiction with necessities such as potable water. Critical facilities include the transportation corridors necessary to keep the jurisdiction connected. Critical facilities include those facilities that house persons with special needs or at-risk populations (schools, jails, nursing homes). They may also include locations were large groups often meet. Critical facilities include those in which potential losses, both human and economic, are high.

A concerted effort was made using information from the public, EMA, local government officials and industry stakeholders to identify the critical facilities. While only a summary is provided in the table, each jurisdiction has a list of critical facilities with the most current estimated replacement cost on file. The information listed below was provided by the individual jurisdictions. Other critical facilities are locations that store Extremely Hazardous Substances (EPCRA Section 302-Extremely Hazardous Substances, CERCLA Hazardous Substances, EPCRA, Section 313 Toxic Chemicals, CAA 122®) Regulated Chemicals for Accidental Release Prevention and other facilities that are covered. Local EMA offices maintain these lists.

Table 4.30 lists a summary of critical facilities summarized by type in the planning area. This list is not all-inclusive and includes facilities prioritized by specific jurisdictions. An inventory of critical facilities will be reviewed periodically and continually updated to reflect any changes in each of the jurisdictions.

**Table 4.30 Critical Facilities Summary**

| Facilities | Bibb | Dallas | Greene | Hale | Marengo | Perry | Pickens | Sumter | Tuscaloosa | Wilcox |
|---|---|---|---|---|---|---|---|---|---|---|
| Continuity of Government | 12 | 10 | 10 | 7 | 11 | 7 | 16 | 16 | 67 | 10 |
| Hospital/Health Department | 6 | 11 | 5 | 9 | 9 | 5 | 4 | 4 | 41 | 5 |
| Public Safety | 32 | 26 | 29 | 18 | 19 | 27 | 60 | 20 | 100 | 49 |
| Schools | 14 | 25 | 7 | 12 | 11 | 11 | 15 | 10 | 72 | 7 |

***Source: Division C Steering Committee Members***

## 4.5 Hazard Impacts

This section provides a narrative overview of each hazard's impact on the planning area, based on previous finding within this section. These descriptions were compiled using guidance from FEMA Region IV, which recommends using the strongest reported incidence when describing impact.

## DAM FAILURE

According to the Risk Impact Assessment, the dam failure hazard scored a value of 2.1 (on a scale of 0 to 4).

**Table 4.31 Risk Impact Assessment for Dam Failure**

| | |
|---|---|
| Probability | Very Low |
| Impact | Critical |
| Location Extent | Small |
| Warning Time | 6 to 12 hours |
| Duration | Less than 24 hours |

There are 797 dams listed in the National Inventory of Dams (NID) database for Division C. Of these dams, 33 are classified as high hazard dams. High hazard dams in the division have the following designated uses: recreation, flood control, fish and wildlife, and navigation.

Dam regulation and research is an ongoing hazard mitigation issue in the State of Alabama. Currently, there are no state laws to regulate existing private dams or the construction of new private dams that do not require federal licenses or inspections. The ADECA Office of Water Resources is currently conducting a dam study, as data listed within the National Inventory of Dams (NID) is outdated and not entirely accurate. Once ADECA's dam assessment is complete, information regarding high hazard dams should allow for additional studies pertaining to potential vulnerability of this hazard.

Due to the lack of dam data, information pertaining to potential damages from dam failure is limited at the current time. An estimate of potential dam failure damages regionally over a long period of time yields a very low loss estimate in Division C. As better data becomes available, more detailed impacts by jurisdiction can be provided.

## DROUGHT/EXTREME HEAT

According to the Risk Impact Assessment, the drought/extreme heat hazard scored a value of 2.1 (on a scale of 0 to 4).

**Table 4.32 Risk Impact Assessment for Drought/Extreme Heat**

| | |
|---|---|
| Probability | Medium |
| Impact | Minor |
| Location Extent | Small |
| Warning Time | More than 24 hours |
| Duration | More than one week |

Both extreme heat and drought can occur at any location in Division C making the potential impact across all jurisdictions in the division constant. All new and existing buildings/infrastructure, facilities, natural resources, wildlife, and the general population are vulnerable to these hazards and their impacts. Due to the nature of these hazards, it is difficult to estimate losses that may result as little methodology exists.

Droughts can have wide ranging impacts. In Division C, all jurisdictions have historically experienced D4 drought conditions. D4 drought conditions can lead to economic losses due to insufficient water for large agricultural operations. Households that depends on private wells for potable water are affected as groundwater levels decrease. There is an increased risk of wildfires resulting from these conditions.

The most significant impact of extreme heat is on vulnerable populations' health. Vulnerable populations include the very young, the elderly, and those with respiratory problems. Extreme heat can lead to heatstroke, heat cramps, and heat exhaustion. A widespread extreme heat event could possibly overcrowd local clinics with persons suffering from the heat's effects. In addition to health related effects, increased use of electricity to run fans and air conditioners may overextend electric utilities.

Due to ongoing planning and these hazards being relatively common in Alabama due to its subtropical climate, anticipated future damages or losses are expected to be minimal.

## FLOODING

According to the Risk Impact Assessment, the flooding hazard scored a value of 3.3 (on a scale of 0 to 4).

**Table 4.33 Risk Impact Assessment for Flooding**

| | |
|---|---|
| Probability | High |
| Impact | Critical |
| Location Extent | Moderate |
| Warning Time | 6 to 12 hours |
| Duration | Less than one week |

Appendix C provides floodplain areas by jurisdiction for Division C. River flooding is classified as minor, moderate, or major based on water height and impacts along the river that have been coordinated with the NWS and local officials. Minor river flooding means that low-lying areas adjacent to the stream or river, mainly rural areas and farmland and secondary roadways near the river, flood. This level of flooding is common in Division C. Moderate flooding means water levels rise high enough to impact homes and businesses near the river and some evacuations may be needed. This level of flooding occurs less often in the area but is expected to happen annually. Major flooding means that extensive rural and/or urban flooding is expected. Towns may become isolated and major traffic routes may be flooded. Evacuation of numerous homes and business may be required. This level of flooding is rare in the planning area.

Flash floods may lead to property damage or loss depending on severity. Their rapid onset makes them even more deadly. Often waters rise so quickly that people have little time to protect themselves. These floods can also lead to death and injury. Flash flooding on roadways is a major risk. Many times, drivers underestimate water depth and become stranded in floodwaters. Residents in the areas identified as flooding frequently are at the greatest danger for this hazard.

As development increases, the risk for flash flooding will increase as impermeable surfaces increase. Aging drainage infrastructure will contribute to an increase in flash flooding also. Based on the information provided in this profile, the probability of future flood events is High. Roads often suffer the greatest impacts as their base layer becomes compromised from standing water. Standing water also lead to cracks and damage to asphalt. Due to their nature, these floods are very dangerous. Often these events are localized and have a rapid onset, making them hard to predict. Deaths occur each year from vehicles being swept away in flood waters. A mere six inches of fast-moving flood water can knock over an adult. It takes only two feet of rushing water to carry away most vehicles, including pickups and SUVs.

Total potential loss data is incomplete due to the incompatibility of HAZUS-MH with the GIS system. Therefore, analysis from the HAZUS-MH flood model will be incorporated in the next plan update. However, in the last quarter century, well over $200 million of damages have occurred from flooding in the planning area. Information pertaining to historical insured flood losses and repetitive flooded properties are included to provide more detailed information of areal losses based from flooding.

**Repetitive Loss Properties**

A repetitive loss property is an insurable structure that has had two or more claims of more than $1,000 within any ten-year period since 1978. A repetitive loss property may or may not be currently insured by the National Flood Insurance Program (NFIP). Table 4.34 provides information on repetitive loss properties in Division C.

**Table 4.34 Repetitive Loss Properties in Division C**

| Community Name | Occupancy | FMA RL Properties | Insured FMA RL Properties | Total Paid in Claims on FMA RL Properties | NFIP RL Properties | Insured NFIP RL Properties | Total Paid in Claims on NFIP RL Properties |
|---|---|---|---|---|---|---|---|
| Bibb County | | | | | | | |
| Brent | Single Family | - | - | $ - | 1 | 1 | $ 4,355 |
| Dallas County | | | | | | | |
| Dallas County | Other- Non-residential | - | - | $ - | 1 | - | $ 15,797 |
| Dallas County | Single Family | - | - | $ - | 2 | 1 | $ 46,274 |
| Selma | 2-4 family | - | - | $ - | 1 | - | $ 9,883 |
| Selma | Assmd Condo | - | - | $ - | 1 | - | $ 6,427 |
| Selma | Single Family | - | - | $ - | 4 | 1 | $ 143,362 |
| Greene County | | | | | | | |
| Greene County | Single Family | - | - | $ - | 11 | 1 | $ 226,054 |
| Greene County | Single Family | - | - | $ - | 3 | - | $ 192,164 |
| Hale County | | | | | | | |
| Greensboro | Single Family | - | - | $ - | 1 | - | $ 18,942 |
| Hale County | Other-Residential | - | - | $ - | 1 | - | $ 5,046 |
| Hale County | Single Family | - | - | $ - | 15 | 2 | $ 127,427 |
| Pickens County | | | | | | | |
| Pickens County | Single Family | - | - | $ - | 3 | - | $ 78,680 |
| Pickensville | Single Family | - | - | $ - | 7 | 1 | $ 161,521 |
| Pickensville | Single Family | - | - | $ - | 2 | 1 | $ 149,736 |
| Reform | Other- Non-residential | - | - | $ - | 1 | - | $ 36,717 |
| Sumter County | | | | | | | |
| Sumter County | Single Family | - | - | $ - | 1 | - | $ 4,057 |
| Tuscaloosa County | | | | | | | |
| Northport | Other- Non-residential | - | - | $ - | 1 | - | $ 23,606 |
| Northpot | Single Family | - | - | $ - | 2 | 1 | $ 19,713 |
| Tuscaloosa | Single Family | - | - | $ - | 1 | - | $ 93,868 |
| Tuscaloosa County | Single Family | - | - | $ - | 1 | 1 | $ 119,859 |
| Wilcox County | | | | | | | |
| Wilcox County | Other- Non-residential | - | - | $ - | 1 | - | $ 12,473 |

# HIGH WINDS (HURRICANES, TORNADOES, AND SEVERE THUNDERSTORMS)

## HURRICANES

According to the Risk Impact Assessment, the hurricane hazard scored a value of 2.6 (on a scale of 0 to 4).

**Table 4.35 Risk Impact Assessment for Hurricanes**

| | |
|---|---|
| Probability | Medium |
| Impact | Critical |
| Location Extent | Large |
| Warning Time | More than 24 hours |
| Duration | Less than 24 hours |

Because hurricanes and other tropical events commonly affect a large spatial area, all existing and future buildings, facilities, and the general population in Division C are vulnerable to this hazard and its impacts. The planning area is an inland location and will not receive the brunt of the intensity and extent of these storms, but the magnitude of hurricanes affecting the Gulf Coast can remain high as these storms travel inland into the region. Some hurricanes such as Ivan maintained hurricane strength for hundreds of miles. Ivan was classified as a hurricane until it reached Uniontown in Perry County.

With a Category 1 storm the following damage can be expected: Well- constructed frame homes could have damage to roof, shingles, and vinyl siding and gutters. Large branches of trees will snap and shallowly rooted trees may be toppled. Extensive damage to power lines and poles likely will result in power outages that could last a few to several days. The probability of a an area being affected by a stronger tropical storm increases as you go further south in the division, meaning counties such as Wilcox and Marengo have a higher probability of experiencing impacts from stronger storms.

Severe storms, tornadoes, high winds, hail, torrential rains, river flooding, and flash flooding are all associated with tropical systems as they move inland. The entire region shares the same potential impact of these occurrences. The loss of life, property, and possessions is common. Interruption of utility and communication service is expected. In instances such spawned tornadoes and flash flooding where warning time may be short or nonexistent the risk factors are higher. Low-lying areas and areas prone to flooding are at higher risk of hurricane related damage. Another concern regarding hurricanes is the large amount of debris that results. Hurricanes will provide those widespread effects during the summer and early autumn portions of the year. Normally there are a few days of warnings before a hurricane impacts the planning area allowing for preparations.

The landscape of the counties within Division C is heavily wooded, which leads to the possibility of significant tree and property damage. Debris removal can become a major cost for local governments. Flooding may lead to property damage, disruption in utility services, roadway damage, injury to residents, and death. High winds can also cause significant damage to homes, buildings, and utility infrastructure. The threat of injury and death is present.

**TORNADOES**

According to the Risk Impact Assessment, the tornado hazard scored a value of 3.0 (on a scale of 0 to 4).

**Table 4.36 Risk Impact Assessment for Tornadoes**

| | |
|---|---|
| Probability | High |
| Impact | Critical |
| Location Extent | Small |
| Warning Time | Less than 6 hours |
| Duration | Less than 6 hours |

Tornadoes are not constrained to follow any definite path, so every area and every resident AEMA Division C is at risk. A tornadoes path is generally 300-400 yards wide and four miles long (NOAA 1973). Areas within that path may suffer from slight to severe damage depending on the tornado's strength. Injury and death can occur as a result of even the weakest tornado.

Because tornadoes may touch down anywhere within the division, all existing and future buildings, facilities, and the general population in the ten counties are vulnerable to this hazard and its impacts. Tornadoes can occur during hurricane events or other severe thunderstorm events, which can create multiple impacts. The most likely time for tornadoes is during the spring months from March through May, with a secondary peak of tornado activity in November, but tornadoes can occur in every month of the year.

Tornadoes present the most frequent hazard and most likely source of property damage and injury in the planning area from a natural hazard. Tornadoes are possibly more destructive than hurricanes, but impacts are far more localized. Even though favorable conditions for tornadoes can be forecasted in advance, the location of a tornado is unknown until a few moments before the storm occurs.

The effects of any tornado may be far reaching. Life, property, and personal items are all at risk. Interruption of electric, telephone and other utility and communications services may occur. Transportation corridors may be blocked or in some cases destroyed. Debris must be removed, and this is often a costly task. Citizens may suffer from posttraumatic syndrome, depression, anxiety, and grief for lost loved ones. When large storms with widespread damage and injuries occur, rural areas have a more difficult time responding to all calls they receive.

Table 4.37 provides a county by county description of impact based on historical data.

**Table 4.37 Potential Impact of Tornadic Events by County***
**Division C**

| | |
|---|---|
| Bibb County | Devastating damage: Well-constructed houses leveled; structures with weak foundations blown away some distance; cars thrown and large missiles generated. |
| Dallas | Severe damage: Roofs and some walls torn off well-constructed houses; trains overturned; most trees in forest uprooted; heavy cars lifted off the ground and thrown. |
| Greene | Severe damage: Roofs and some walls torn off well-constructed houses; trains overturned; most trees in forest uprooted; heavy cars lifted off the ground and thrown. |
| Hale | Devastating damage: Well-constructed houses leveled; structures with weak foundations blown away some distance; cars thrown and large missiles generated. |
| Marengo | Severe damage: Roofs and some walls torn off well-constructed houses; trains overturned; most trees in forest uprooted; heavy cars lifted off the ground and thrown. |
| Perry | Devastating damage: Well-constructed houses leveled; structures with weak foundations blown away some distance; cars thrown and large missiles generated. |
| Pickens | Incredible damage: Strong frame houses leveled off foundations and swept away; automobile-sized missiles fly through the air in excess of 100 meters (109 yds); trees debarked; incredible phenomena will occur. |
| Sumter | Severe damage: Roofs and some walls torn off well-constructed houses; trains overturned; most trees in forest uprooted; heavy cars lifted off the ground and thrown. |
| Tuscaloosa | Incredible damage: Strong frame houses leveled off foundations and swept away; automobile-sized missiles fly through the air in excess of 100 meters (109 yds); trees debarked; incredible phenomena will occur. |
| Wilcox | Devastating damage: Well-constructed houses leveled; structures with weak foundations blown away some distance; cars thrown and large missiles generated. |

***includes all jurisdictions within***
***Source: NOAA Storms Database/ Fujita Damage Scale***

**SEVERE THUNDERSTORMS**

According to the Risk Impact Assessment, the severe thunderstorm hazard scored a value of 2.6 (on a scale of 0 to 4).

**Table 4.38 Risk Impact Assessment for Severe Thunderstorms**

| | |
|---|---|
| Probability | High |
| Impact | Minor |
| Location Extent | Moderate |
| Warning Time | Less than 6 hours |
| Duration | Less than 6 hours |

Because severe thunderstorms with high winds may occur at any location within the planning area, all existing and future buildings, facilities, and the general population in the planning area are vulnerable to this hazard and its impacts.

Severe thunderstorms with high winds can produce similar effects to tornadoes and hurricanes. These effects will be more localized than hurricane events but more widespread than tornadoes. Past occurrences of high winds associated with severe thunderstorms have been recorded in each county in Division C. Tuscaloosa County has an 85 mph wind gust on record. Greene, Hale, Perry, and Wilcox have 60 mph gusts on record. Bibb, Dallas, Marengo, Pickens and Sumter all have 50 mph gusts recorded. Winds this high can be expected to cause downed trees and power lines, and flying debris. They may lead to power outages, transportation disruptions, damage to buildings and vehicles, and injury or death.

## LANDSLIDES

According to the Risk Impact Assessment, the landslide hazard scored a value of (from a scale of 0 to 4).

**Table 4.39 Risk Impact Assessment for Landslides**

| | |
|---|---|
| Probability | Low |
| Impact | Minor |
| Location Extent | Negligible |
| Warning Time | Less than 6 hours |
| Duration | Less than 6 hours |

Information from the Geological Survey of Alabama shows that historical landslide events have occurred in the planning area, but information about specific slides is sparse. One can get a general idea of areas more likely for landslides to occur by examining the maps provided in Appendix D. Due to the lack of substantive documentation of previous events, it is assumed that landslides events may occur at any location within the planning area, all existing and future buildings, facilities, and the general population in the planning area is considered to be vulnerable to this hazard and its impacts. With little recorded activity and documentation, it is believed that any potential losses in the planning area would be minor in scope.

## LAND SUBSIDENCE / SINKHOLES

According to the Risk Impact Assessment, the land subsidence / sinkhole hazard scored a value of 1.8 (on a scale of 0 to 4).

**Table 4.40 Risk Impact Assessment for Land Subsidence / Sinkholes**

| | |
|---|---|
| Probability | Low |
| Impact | Minor |
| Location Extent | Small |
| Warning Time | Less than 6 hours |
| Duration | Less than 6 hours |

Information from the Geological Survey of Alabama shows that geology conducive to sinkholes and other forms of land subsidence exists within the planning area. One can get a general idea of areas more likely for land subsidence to occur by examining the maps provided in Appendix E. Due to the lack of substantive documentation of previous events, it is assumed that land subsidence events may occur at any location within the planning area, all existing and future buildings, facilities, and the general population in the planning area is considered to be vulnerable to this hazard and its impacts. With little recorded activity and documentation, it is believed that any potential losses in the planning area would be minor in scope.

## WILDFIRE

According to the Risk Impact Assessment, the wildfire hazard scored a value of 2.3 (on a scale of 0 to 4).

**Table 4.41 Risk Impact Assessment for Wildfires**

| | |
|---|---|
| Probability | High |
| Impact | Minor |
| Location Extent | Small |
| Warning Time | Less than 6 hours |
| Duration | Less than one week |

Due to the large areas of forest-covered land in Division C, wildfires are a threat to all ten counties. Potential risk by jurisdiction can be seen from examining maps provided in Appendix F. The potential impact of wildfires is consistent across all jurisdictions in the division. Damage to timber land and wildlife habitat are the primary impacts. If factors such as winds and drought are present, wildfires may spread from forested areas to areas with residential structures.

In the event of wildfires, structures in less populated areas in the proximity of the forested areas could be at risk of fire damage. Though all the planning area's residents are at least somewhat vulnerable to wildfires, areas in isolated unincorporated areas are at a higher vulnerability according to the Alabama Forestry Commission. Residents living in the Talladega National Forest are at an increased risk.

The impact of a wildfire event is dependent on many factors including weather conditions, available fuel, topography, and existing wildfire mitigation capabilities. In more densely populated areas the impact of a wildfire is expected to be much greater. At a significantly higher risk of impact from a wildfire are those residents and structures within the Talladega National Forest. The USDA Forest Service estimates that there are 1,400 privately owned structures within the forest of these 450 are private residences. They estimate up to 600 private citizens live within the forest.

## WINTER STORM

According to the Risk Impact Assessment, the winter storm hazard scored a value of 2.4 (on a scale of 0 to 4).

**Table 4.42 Risk Impact Assessment for Winter Storms**

| | |
|---|---|
| Probability | Low |
| Impact | Limited |
| Location Extent | Large |
| Warning Time | More than 24 hours |
| Duration | Less than one week |

Historical records show the planning area has occasional instances of winter weather, which is primarily through frozen precipitation (snow/ice) that only affects the area for a few days at the most. The impacts of these storms are generally the result of the infrequency of their occurrence.

Because winter weather events may occur at any location within the planning area, all existing and future buildings, facilities, and the general population in the planning area are vulnerable to this hazard and its impacts. Winter weather events will affect those in vulnerable housing more severely than other areas.

# Section 5- Mitigation Strategy

This Mitigation Strategy section of the plan addresses requirements of Section 201.6(c)(3) through providing the blueprint for participating jurisdictions in the AEMA Division C to practice in order to become less vulnerable to the identified hazards in the Risk Assessment.

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- 5.5.2 Bibb County Mitigation Action Plans
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## 5.1 Mitigation Planning Process

Local planning stakeholders were asked to review the progress of their previously adopted mitigation goals and to reevaluate those strategies based on updated information from the Risk Assessment and vulnerability to each profiled hazard. The goals and strategies were reviewed considering the impact and extent of hazard occurrences in local jurisdictions and the region.

## 5.2 Mitigation Goals

Mitigation goals are broad policy-type statements that focus on long-term visions to reduce or avoid vulnerabilities to identified hazards within the region. Through the planning process, six primary goals were developed from corresponding goals in previous local mitigation plans. The mitigation goals expected to be achieved by development, adoption, and continuation of the new Division C plan include:

1. Manage the development of land and buildings to minimize risk of life and property loss due to hazard events (PREVENTION).
2. Protect structures and their occupants and contents from the damaging effects of hazard events (PROPERTY PROTECTION).
3. Preserve, rehabilitate, and enhance the beneficial functions of the natural environment to promote a balance between natural systems and social and economic demands (NATURAL RESOURCE PROTECTION).
4. Apply engineered structural modifications to natural systems and public infrastructure to reduce the potentially damaging impacts of hazards, where those modifications are feasible and environmentally suitable (STRUCTURAL MITIGATION).
5. Improve the efficiency, timing, and effectiveness of response and recovery efforts for hazard events (EMERGENCY SERVICES).
6. Educate and foster public awareness of hazards and techniques available for mitigation (PUBLIC EDUCATION AND AWARENESS).

## 5.3 Mitigation Strategies

Mitigation strategies are more defined actions that help further define mitigation goals. A wide range of activities that are aligned with the six goal categorizations were considered. These activities were analyzed by their ability to help achieve established mitigation goals, emphasizing actions addressing new and existing buildings and infrastructure. These strategies provide additional background to addressing specific hazard concerns.

Land use planning capacity in most of the region is limited due to the lack of regulatory authority in unincorporated areas, except for floodplain management and subdivision regulations. Many small municipalities have limited to no planning and building enforcement function due to fiscal constraints and lack of expertise. The majority choose not to implement land use, zoning, or code enforcement mechanisms.

The six goal categorizations used for mitigation strategies include: Prevention, Property Protection, Natural Resource Protection, Structural Mitigation, Emergency Services, and Public Awareness and Education. These are discussed in detail below. This discussion includes identifying the appropriate hazard(s) that are mitigated through these approaches.

**Goal #1: Prevention**
Prevention activities are primarily intended to address future development and to keep hazard effects from increasing. Prevention activities are often administered through government programs or regulatory actions that influence the built environment. These activities are particularly effective in hazard mitigation for areas with little current capital investment or development. Examples of prevention activities include:

1. Land use planning and zoning administration (All Hazards, primarily Flooding)
2. Building code enforcement program (Flooding, High Winds)
3. Open space preservation (Flooding)
4. Floodplain management regulations (Flooding)
5. Stormwater management regulations (Flooding)
6. Participation in National Flood Insurance Program (NFIP) (Flooding)
7. Capital improvements planning (All Hazards)

**Goal #2: Property Protection**
Property protection activities primarily concentrate on the modification of existing buildings and adjacent areas to strengthen their ability to withstand hazard events, or to remove an at-risk structure from hazardous locations. Examples of property protection activities include:

1. Acquisition of flood prone properties (Flooding)
2. Relocation of flood prone structures (Flooding)
3. Elevation of flood prone structures (Flooding)
4. Retrofitting of critical facilities and other structures (All Hazards)

**Goal #3: Natural Resource Protection**
Natural resource protection activities reduce the impact of hazard events by preserving, rehabilitating, or enhancing the natural environment and its protective functions. These activities would include areas such as floodplains, wetlands, and steep slopes. Examples of natural resource protection activities include:

1. Floodplain protection (Flooding)
2. Watershed management (Flooding)
3. Riparian buffers (Flooding)
4. Forest and vegetation management (Flooding, Wildfire)
5. Conservation easements (Flooding, Land Subsidence)

**Goal #4: Structural Mitigation**
Structural mitigation protection activities are intended to lessen the impact of a hazard by utilizing construction of an appropriate structure. Examples of structural mitigation protection activities include:

1. Reservoirs (Flooding)
2. Levees and dams (Flooding)
3. Stormwater diversion (Flooding)
4. Retention and detention structures (Flooding)
5. Safe rooms and shelters (High Winds, Extreme Temperatures)

**Goal #5: Emergency Services**

Emergency services protection activities involve protecting people and property before, during, and after a hazard event. These activities assist in providing capable actions regarding hazard events. Examples of emergency services activities include:

1. Warning alert systems (All Hazards)
2. Continuity of operations (All Hazards)
3. Evacuation routes (All Hazards)
4. Emergency responder training (All Hazards)
5. Provision of alternative power (e.g. generators) (All Hazards)
6. Debris removal (All Hazards)

**Goal #6: Public Education and Awareness**

Public education and awareness activities inform and remind residents, business owners, elected officials, and other stakeholders about hazards, vulnerable locations, and mitigation actions that can be used to avoid losses. Examples of public education and awareness activities include:

1. Information dissemination, including maps and websites displaying hazard information (All Hazards)
2. Public exposition or workshops (All Hazards)
3. Educational programs (All Hazards)
4. Real estate disclosures (Dam Failure, Flooding, Technological Hazards)

## Section 5.4 Capabilities Assessment for Local Jurisdictions

A capability assessment examines the ability of each jurisdiction to implement a comprehensive mitigation strategy through examining existing programs, regulations, resources, and practices. This determination allows a jurisdiction to assess whether mitigation actions are feasible by considering funding options, political support, public support, legality, preservation of the environment, and staff capability.

The Alabama Emergency Management Agency (AEMA) Division C is a ten-county region composed of 57 municipalities with a myriad of governmental powers. All county governments are governed by an elected commission. All municipalities have a Mayor/Council form of government.

The mitigation strategies listed in Section 5.3 above are framed by the capacity and capability of local jurisdictions to implement those actions through existing authorities, policies, programs, and resources. For most jurisdictions in the planning area, these are limited. Authority to control development through land use planning and zoning, a critical tool in hazard mitigation, is vested in municipalities that choose to exercise this practice. However, capacity is limited for enforcement due to local expertise, financial constraints, and public acceptance. The State of Alabama does not require a jurisdiction to implement land use planning and associated regulations; therefore, most local jurisdictions avoid the practice for general purposes and for hazard mitigation. In unincorporated areas within county jurisdictions, this authority is largely absent except as it applies to flood control and public street and subdivision regulation. Flood control, more broadly, is authorized for each local jurisdiction to practice through a local ordinance regulating the placement and construction of new structures. Most municipalities and all counties except for Perry participate in the National Flood Insurance Program (NFIP) and maintain compliance with the applicable regulations (Table 5.3). Likewise, the authority to enforce building codes is primarily restricted to municipalities and is only practiced by a limited number of these due to capacity constraints in the form of personnel, financial ability, and public acceptance.

Financial and technical capacity is limiting factors for implementation in most participating jurisdictions. The need for assistance in local planning and implementation is well established. Communities work together through the local EMA and their regional commissions (ATRC and WARC) to meet gaps in technical capacity related to planning for mitigation. Local jurisdictions work with county EMAs to implement specific strategies. Authority over spending is vested in local elected or appointed boards and commissions. Primarily, the county commissions and local municipal councils have been the leaders in deciding which mitigation strategies are worthy of investment. Other eligible jurisdictions have traditionally channeled mitigation projects through these local governmental bodies for sponsoring; however, in some cases they may sponsor the project directly. The use of federal and state grants is a prevalent feature of the financial strategy for mitigation projects involving new construction and major rehabilitation of public facilities or expenditures.

The capabilities of each participating jurisdiction are defined by the authorities, policies, programs, and resources that each utilizes in pursuit of hazard mitigation. Each jurisdiction falls into one of several categories, which possesses distinct authorities and resources to establish hazard mitigation actions. For example, counties and municipalities differ in terms of statutory authority to pursue hazard mitigation. Meanwhile, two communities with the same authority may approach mitigation entirely differently in terms of the exercise of their authority. School and utility boards are subject to even greater restrictions on their authority.

The authorities and capabilities are summarized based on the powers granted by different units of government that participated in the planning process. A listing of these participants can be found in Table 3.1 of this plan.

Table 5.1 below summarizes the statutory authority and resources of each jurisdiction and its present use or intended future use of these powers to implement potential actions and types of actions listed in the hazard mitigation plan. The table describes powers or policies that are granted to different types of jurisdictions in general terms, describes the jurisdictions that currently apply those policies in their mitigation efforts, describes the jurisdictions that intend to apply those authorities and policies for future implementation, and describes the means by which each jurisdiction will incorporate the mitigation action into its existing powers, authorities, policies, and capabilities. In every case, the primary means of incorporation involves review of proposed actions and implementation through the appropriate governmental authority such as the city council, county commission, school board, or utility board.

**Table 5.1 Statutory Authority and Resources**

| Division C Hazard Mitigation Action Plan: Capabilities Assessment | Authorized for… | Practiced by… | Proposed for… | Incorporated through… |
|---|---|---|---|---|
| Police power: Ability to regulate activities of individuals in the jurisdiction for purposes of health, safety, and public welfare | Municipalities, Counties | **Bibb County:** Bibb County Sheriff, Brent, Centreville, West Blocton, Woodstock<br>**Dallas County:** Dallas County Sheriff, City of Selma<br>**Greene County:** Greene County Sheriff, Eutaw, Forkland*<br>**Hale County:** Hale County Sheriff, Greensboro, Moundville<br>**Marengo County:** Marengo County Sheriff, Demopolis, Linden, Sweetwater, Thomaston<br>**Perry County:** Perry County Sheriff, Marion, Uniontown<br>**Pickens County:** Pickens County Sheriff, Aliceville, Carrollton, Gordo, Pickensville, Reform<br>**Sumter County:** Sumter County Sheriff, Livingston, York<br>**Tuscaloosa County:** Tuscaloosa County Sheriff, Brookwood, Coaling, Lake View, Northport, Tuscaloosa, University of Alabama, Stillman College, Vance<br>**Wilcox County:** Wilcox County Sheriff, Camden, Pine Hill | All municipal jurisdictions | Council or Commission action to enact and enforce regulations |

| Table 5.1 Statutory Authority and Resources (continued) | | | | |
|---|---|---|---|---|
| **Division C Hazard Mitigation Action Plan: Capabilities Assessment** | **Authorized for…** | **Practiced by…** | **Proposed for…** | **Incorporated through…** |
| Control of public expenditures: Ability to acquire property and improve property owned by the jurisdiction, capacity to borrow and expend funds | Municipalities, Counties, School Boards, Utilities | All jurisdictions | All jurisdictions | Action to approve expenditures by local county commission, city council, school board, or utility board |
| Building code enforcement: Ability to enforce codes related to building materials and construction standards outside of flood hazard areas | Municipalities, Counties | **Bibb County:** Centreville, Woodstock<br>**Dallas County:** Selma, Valley Grande<br>**Greene County:** Eutaw, Akron<br>**Hale County:** Greensboro, Moundville<br>**Marengo County:** Demopolis, Linden<br>**Pickens County:** Aliceville, Carrollton, Gordo, Reform<br>**Sumter County:** Livingston, York<br>**Tuscaloosa County:** Brookwood, Lake View, Northport, Tuscaloosa, Vance<br>**Wilcox County:** Camden | | Council action to enact and enforce regulations |

| Table 5.1 Statutory Authority and Resources (continued) | | | | |
|---|---|---|---|---|
| **Division C Hazard Mitigation Action Plan: Capabilities Assessment** | **Authorized for…** | **Practiced by…** | **Proposed for…** | **Incorporated through…** |
| Floodplain management authority: Ability to regulate development in areas of special flood hazard in compliance with NFIP standards; includes authority to regulate land use and subdivisions inside of flood hazard areas | Municipalities, Counties | All participating NFIP jurisdictions | All participating NFIP jurisdictions | Council or Commission action to enact and enforce regulations |
| Purchase properties subject to flooding and maintain as permanent open space. | Municipalities, Counties, School Boards, Utilities | All Jurisdictions | | Action to approve expenditures by local county commission, city council, school board, or utility board |
| Capital improvements: Ability to plan public infrastructure to mitigate hazards | Municipalities, Counties, School Boards, Utilities | All jurisdictions | All jurisdictions | Action to approve expenditures by local county commission, city council, school board, or utility board |

| Table 5.1 Statutory Authority and Resources (continued) | | | | |
|---|---|---|---|---|
| **Division C Hazard Mitigation Action Plan: Capabilities Assessment** | **Authorized for…** | **Practiced by…** | **Proposed for…** | **Incorporated through…** |
| Zoning authority: Ability to divide political jurisdiction into districts for purposes of regulating buildings and their use (inside and outside of flood hazard areas) | Municipalities | **Bibb County:** Centreville, West Blocton, Woodstock<br><br>**Dallas County:** Selma<br><br>**Greene County:** Eutaw<br><br>**Hale County:** Greensboro, Moundville, Newbern<br><br>**Marengo County:** Demopolis, Linden<br><br>**Pickens County:** Aliceville, Carrollton, Gordo, Reform<br><br>**Sumter County:** Livingston, York<br><br>**Tuscaloosa County:** Brookwood, Coaling, Lake View, Northport, Tuscaloosa, Vance<br><br>**Wilcox County:** Camden | | Council action to enact and enforce regulations |

| Table 5.1 Statutory Authority and Resources (continued) | | | | |
|---|---|---|---|---|
| **Division C Hazard Mitigation Action Plan: Capabilities Assessment** | **Authorized for…** | **Practiced by…** | **Proposed for…** | **Incorporated through…** |
| Subdivision regulations: A ability to control new developments involving new lot lines and infrastructure (inside and outside of flood hazard areas) | Municipalities, Counties | **Bibb County:** Woodstock<br>**Dallas County :** Selma<br>**Greene County:** Greene County, Eutaw<br>**Hale County:** Moundville<br>**Marengo County:** Demopolis, Linden<br>**Pickens County:** Pickens County, Aliceville, Carrollton, Gordo, Reform<br>**Sumter County:** Livingston, York<br>**Tuscaloosa County:** Tuscaloosa County, Brookwood, Lake View, Northport, Tuscaloosa, Vance<br>**Wilcox County:** Camden | | Council or Commission action to enact and enforce regulations |
| Storm water management program: Ability to regulate retention, detention, and release of storm water runoff | Municipalities | **Tuscaloosa County:** Northport, Tuscaloosa | | Council action to enact and enforce regulations |

Table 5.2 below provides a summary of local plans, ordinances, and programs currently in place, or being developed within jurisdictions in Division C. A “Yes” (Y) indicates the item is currently in place and being implemented. A “No” (N) indicates the items is not in place or being implemented. An asterisk (*) indicates the item is currently being developed for future implementation.

**Table 5.2 Relevant Plans, Ordinances, and Programs**

| Jurisdiction | Zoning Ordinance | Code Enforcement | Recent Master Plan | Certified Flood Manager | NFIP Participation |
|---|---|---|---|---|---|
| **Bibb County** | N | N | N | Y | Y |
| City of Brent | N | N | N | N | Y |
| City of Centreville | Y | Y | N | N | Y |
| Town of West Blocton | Y | Y | N | N | Y |
| Town of Woodstock | Y | Y | N | N | Y |
| **Dallas County** | N | N | N | N | Y |
| Town of Orrville | N | N | N | N | Y |
| City of Selma | Y | Y | N | N | Y |
| City of Valley Grande | N | Y | N | N | Y |
| **Greene County** | N | N | N | Y | Y |
| Town of Boligee | N | N | N | N | N |
| City of Eutaw | Y | Y | N | N | Y |
| Town of Forkland | N | Y | Y | N | N |
| Town of Union | N | N | N | N | N |
| **Hale County** | N | N | N | Y | Y |
| Town of Akron | N | Y | N | N | N |
| City of Greensboro | Y | Y | N | N | Y |
| City of Moundville | Y | Y | Y | N | Y |
| Town of Newbern | Y | Y | N | N | N |
| **Marengo County** | N | N | N | N | Y |
| Town of Dayton | N | N | N | N | N |
| City of Demopolis | Y | Y | N* | N | Y |
| Town of Faunsdale | N | N | N | N | unmapped |
| City of Linden | Y | Y | N | N | Y |
| Town of Myrtlewood | N | N | N | N | N |
| Town of Providence | N | N | N | N | Y |
| Town of Sweetwater | N | N | N | N | N |
| Town of Thomaston | N | N | N | N | Y |
| **Perry County** | N | N | N | N | N |
| City of Marion | Y | N | N | N | Y |
| City of Uniontown | N | N | N | N | N |
| **Pickens County** | N | N | N | Y | Y |
| City of Aliceville | Y | Y | N | N | Y |
| Town of Carrollton | Y | Y | N | N | Y |
| Town of Ethelsville | N | N | N | N | N |
| Town of Gordo | Y | Y | N | N | Y |
| Town of McMullen | N | N | N | N | N |
| Town of Memphis | N | N | N | N | N |
| Town of Pickensville | N | Y | N | N | Y |
| City of Reform | Y | Y | Y | Y | Y |
| **Sumter County** | N | N | N | N | Y |
| Town of Cuba | N | N | N | N | Y |

| Table 5.2 Relevant Plans, Ordinances, and Programs (continued) | | | | | |
|---|---|---|---|---|---|
| **Jurisdiction** | **Zoning Ordinance** | **Code Enforcement** | **Recent Master Plan** | **Certified Flood Manager** | **NFIP Participation** |
| Town of Emelle | N | N | N | N | unmapped |
| Town of Epes | N | N | N | N | Y |
| Town of Gainesville | N | N | N | N | N |
| Town of Geiger | N | N | N | N | Y |
| City of Livingston | Y | Y | N | N | Y |
| City of York | Y | Y | N | N | Y |
| **Tuscaloosa County** | N | Y/LSG | N | Y | Y |
| Town of Brookwood | Y | Y | N | N | Y |
| Town of Coaling | Y | Y | N | N | Y |
| Town of Coker | N | Y | N | N | Y |
| Town of Lake View | Y | Y | N | N | Y |
| City of Northport | Y | Y | N | Y | Y |
| City of Tuscaloosa | Y | Y | Y | Y | Y |
| Town of Vance | Y | Y | N | N | Y |
| **Wilcox County** | N | N | N | N | Y |
| City of Camden | Y | Y | N | N | Y |
| Town of Oak Hill | N | N | N | N | Unmapped |
| Town of Pine Apple | N | N | N | N | Unmapped |
| Town of Pine Hill | Y | N | N | N | Y |
| Town of Yellow Bluff | N | N | N | N | N |

Tuscaloosa has limited self-governance; Tuscaloosa in CRS at Class 8 (2019)

Table 5.3 below summarizes NFIP participation and policy statistics for each jurisdiction in the planning area as of January 18, 2020. More site-specific information on at-risk structures and repetitive loss properties is provided in Section 4.8 in the Risk Assessment. A number of jurisdictions that are currently not participating in the NFIP Program participated in the hazard mitigation planning process and have Mitigation Actions to address their status.

## Table 5.3 National Flood Insurance (NFIP) Status

| Jurisdiction | County | Participation Status | Initial FBHM Identified | Initial FIRM Identified | Current Effective Map Date |
|---|---|---|---|---|---|
| **Bibb County** | Bibb | Yes | 2/14/1975 | 8/1/1987 | 8/18/2009 |
| Brent | Bibb | Yes | 4/11/1975 | 9/4/1985 | 8/18/2009 |
| Centreville | Bibb | Yes | 10/5/1976 | 8/19/1985 | 8/18/2009 |
| West Blocton | Bibb | Yes | 11/8/1974 | 9/18/1985 | 8/18/2009 |
| Woodstock | Tuscaloosa/ Bibb | Yes | N/A | 8/1/1987 | 1/16/2014 |
| **Dallas County** | Dallas | Yes | 1/3/1975 | 09/29/86 | 9/29/1986 |
| Orrville | Dallas | Yes | 8/30/1974 | 2/17/2010 | (NSFHA) |
| Selma | Dallas | Yes | 5/21/1976 | 3/4/1986 | 9/3/2014 |
| Valley Grande | Dallas | Yes | 1/3/1975 | 9/29/1986 | 9/3/2014 |
| **Greene County** | Greene | Yes | 1/28/1977 | 4/16/1990 | 8/5/2010 |
| Boligee | Greene | unmapped | | | |
| Eutaw | Greene | Yes | 11/8/1974 | 8/19/1985 | 08/05/10(M) |
| Forkland | Greene | No | 8/5/2010 | 8/5/2010 | 8/5/2010 |
| Union | Greene | No | N/A | 8/5/2010 | 8/5/2010 |
| **Hale County** | Hale | Yes | 9/19/1980 | 7/1/1987 | 01/06/10(M) |
| Akron | Hale | No | 7/18/1975 | 7/18/1975 | 1/6/2010 |
| Greensboro | Hale | Yes | 12/10/1976 | 8/19/1985 | 01/06/10(M) |
| Newbern | Hale | No | 1/6/2010 | 1/6/2010 | 1/6/2010 |
| Moundville | Tuscaloosa/ Hale | Yes | 6/21/1974 | 7/18/1985 | 01/16/2014(M) |
| **Marengo County** | Marengo | Yes | 9/1/1978 | 1/17/1990 | 11/2/2011 |
| Dayton | Marengo | No | N/A | 9/19/2007 | 11/2/2011 |
| Demopolis | Marengo | Yes | 6/7/1974 | 12/17/1987 | 11/2/2011 |
| Faunsdale | Marengo | unmapped | | | |
| Linden | Marengo | Yes | 6/28/1974 | 9/18/1985 | 11/02/11(M) |
| Myrtlewood | Marengo | No | N/A | 9/19/2007 | 11/2/2011 |
| Providence | Marengo | Yes | 11/1/1974 | 11/17/1978 | 11/02/11(M) |

| Table 5.3 National Flood Insurance (NFIP) Status (continued) | | | | | |
|---|---|---|---|---|---|
| **Jurisdiction** | **County** | **Participation Status** | **Initial FBHM Identified** | **Initial FIRM Identified** | **Current Effective Map Date** |
| Sweetwater | Marengo | No | 7/18/1975 | 7/18/1975 | 9/19/2007 |
| Thomaston | Marengo | Yes | 1/10/1975 | 8/19/1985 | 11/02/11(M) |
| **Perry County** | Perry | No | N/A | 12/16/2005 | 9/2/2011 |
| Marion | Perry | Yes | 6/7/1975 | 6/17/1986 | 09/02/11(M) |
| Uniontown | Perry | No | 9/12/1975 | 12/2/2005 | 9/2/2011 |
| **Pickens County** | Pickens | Yes | 1/17/1975 | 6/4/1990 | 9/17/2010 |
| Aliceville | Pickens | Yes | 4/11/1975 | 7/17/1978 | 9/17/2010 |
| Carrollton | Pickens | Yes | 8/23/1974 | 8/15/1978 | 9/17/2010 |
| Ethelsville | Pickens | unmapped | | | |
| Gordo | Pickens | Yes | 2/14/1975 | 8/15/1978 | 9/17/2010 |
| McMullen | Pickens | No | N/A | 9/17/2010 | 9/17/2011 |
| Memphis | Pickens | No | N/A | 9/17/2010 | 9/17/2011 |
| Pickensville | Pickens | Yes | N/A | 6/4/1990 | 9/17/2010 |
| Reform | Pickens | Yes | 12/27/1974 | 7/3/1978 | 9/17/2010 |
| **Sumter County** | Sumter | Yes | 4/7/1978 | 8/1/1987 | 4/3/2012 |
| Cuba | Sumter | Yes | 3/16/1979 | 4/3/2012 | 04/03/12(M) |
| Emelle | Sumter | unmapped | | | |
| Epes | Sumter | Yes | 10/20/1978 | 4/3/2012 | 4/3/2012 |
| Gainesville | Sumter | No | 10/15/1976 | 4/3/2012 | 4/3/2012 |
| Geiger | Sumter | Yes | 11/30/1979 | 4/3/2012 | 04/03/12(M) |
| Livingston | Sumter | Yes | 5/31/1974 | 8/15/1980 | 4/3/2012 |
| York | Sumter | Yes | 7/11/1975 | 8/1/1980 | 4/3/2012 |
| **Tuscaloosa County** | Tuscaloosa | Yes | 5/5/1978 | 1/20/1982 | 1/16/2014 |
| Brookwood | Tuscaloosa | Yes | N/A | 9/7/2000 | 1/16/2014 |
| Coker | Tuscaloosa | Yes | N/A | 9/28/2007 | 1/16/2014 |

| Table 5.3 National Flood Insurance (NFIP) Status (continued) | | | | | |
|---|---|---|---|---|---|
| **Jurisdiction** | **County** | **Participation Status** | **Initial FBHM Identified** | **Initial FIRM Identified** | **Current Effective Map Date** |
| Coaling | Tuscaloosa | Yes | N/A | 9/28/2007 | 1/16/2014 |
| Lake View | Jefferson/ Tuscaloosa | Yes | N/A | 9/28/2007 | 1/16/2014 |
| Northport | Tuscaloosa | Yes | 12/28/1973 | 9/5/1979 | 1/16/2014 |
| Tuscaloosa | Tuscaloosa | Yes | 10/24/1975 | 2/1/1979 | 1/16/2014 |
| Vance | Tuscaloosa/ Bibb | Yes | 9/7/2000 | 1/16/2014 | 6/26/2006 |
| **Wilcox County** | Wilcox | Yes | 6/16/1978 | 5/1/1987 | 04/19/2010(M) |
| Camden | Wilcox | Yes | N/A | 4/19/2010 | 4/19/2010 |
| Oak Hill | Wilcox | unmapped | | | |
| Pine Apple | Wilcox | unmapped | | | |
| Pine Hill | Wilcox | Yes | 11/17/1978 | 4/19/2010 | 4/19/2010 |
| Yellow Bluff | Wilcox | Yes | N/A | 4/19/2010 | 4/19/2010 |

***Source: NFIP Community Status Book (01/18/2020)***

## 5.5 Jurisdictional Mitigation Action Plans

This section identifies and analyzes a range of mitigation actions under consideration to help achieve the regional mitigation goals identified in this plan. Local planning stakeholders thoroughly reviewed and considered the Risk Assessment and their local capabilities to determine the most appropriate plan of action for their jurisdictions. Each action or project listed has accessory information, such as designation of a lead agency, hazard(s) addressed, and potential funding source(s). The following table describes the key elements of the Mitigation Action Plans.

It is important to note that this is a completely new first-time plan developed for a newly established multi-county planning area. As this table format, as well as the order and definition of the goals, are new and differ from the previous county plans, it was necessary for jurisdictions to develop new action plans to provide current information and complete Priority/Status and Benefit/Cost Score assignments. As a baseline reference, actions from prior county-level plans were reviewed to develop the new actions; note completed actions in order to illustrate prior progress; or, remove actions that, due to a change in capacity or priority, were no longer relevant to the jurisdiction.

| **Jurisdiction Name** | |
|---|---|
| Goal | Category of goal that is met:<br>#1: Manage the development of land and buildings to minimize risk of life and property loss due to hazard events (PREVENTION)<br>#2: Protect structures and their occupants and contents from the damaging effects of hazard events (PROPERTY PROTECTION)<br>#3: Preserve, rehabilitate, and enhance the beneficial functions of the natural environment to promote a balance between natural systems and social and economic demands (NATURAL RESOURCE PROTECTION) #4: Apply engineered structural modifications to natural systems and public infrastructure to reduce the potentially damaging impacts of hazards, where those modifications are feasible and environmentally suitable (STRUCTURAL MITIGATION)<br>#5: Improve the efficiency, timing, and effectiveness of response and recovery efforts for hazard events (EMERGENCY SERVICES)<br>#6: Educate and foster public awareness of hazards and techniques available for mitigation (PUBLIC EDUCATION AND AWARENESS) |
| Action Description | Title and description of action to be undertaken |
| Hazards Addressed | Hazard which the action addresses |
| Lead Agency | Entity responsible for undertaking the action |
| Funding Source | Level of funding required for action, where applicable |

| | |
|---|---|
| Priority/Status | Participants prioritized the available mitigation measures and projects considering the following criteria:<br><br>•Economic considerations including but not limited to the availability of funds, benefits to be derived from the proposed measure, costs, economic feasibility, impact on the local economy, and economic development goals.<br>•Social considerations including but not limited to environmental justice, neighborhood impact, community support, and impact on social and cultural resources.<br>•Environmental considerations including but not limited to compliance with the National Environmental Policy Act (NEPA), state and local environmental regulations, and environmental conservation goals.<br>•Administrative, legal, and political considerations including but not limited to staffing, maintenance, timing, legal authority, and political support.<br>•Technical considerations including but not limited to technical feasibility.<br><br>Each action was classified using the following designations:<br>Completed: Notable mitigation projects implemented in the past five years<br>Ongoing: Action in progress / perennial occurrence<br>High: Projected implementation within five years<br>Medium: Projected implementation between five and ten years Low: Projected implementation beyond ten years<br><br>Overall, the participating jurisdictions priorities have not changed since the previous planning cycle. There was an emphasis placed on identifying low cost, effective projects. |

| | |
|---|---|
| Benefit/Cost Score | The Benefit/Cost score included in the jurisdictional Mitigation Action Plans are considered at the planning level and does not include a full analysis of all costs and benefits associated with action implementation. For example, a mitigation action that scores "High" in benefits and "Low" in costs will be listed as "Moderate" in the plan due to providing a long-term solution, but with a high implementation cost. For some projects, such as routine or ongoing operations conducted with local operating funds and existing staff, this may be the only explicit comparison of costs and benefits. For projects of which grant funding or bond issues may be sought, more in-depth evaluations of costs and benefits may be required. As specific project scopes are detailed, the benefits and costs of an action can be identified with more precision and the benefit-cost ratio (BCR) that results from a full benefit-cost analysis may differ from the planning level Benefit/Cost score presented in the plan.<br><br>**Low**: Benefits: Projects that only benefit a limited population, or provides short-term benefits / Costs: projects likely to cost over $100,000 and requiring additional funding or staffing outside of normal operations, and is complicated to implement.<br><br>**Moderate**: Benefits: Projects that would be felt by moderate amount of population in jurisdiction, or solves a problem for several years / Costs: projects that may need additional funding or continued study or staffing outside of normal operations, with estimated costs between $10,000 and $100,000.<br><br>**High**: Benefits: Projects that benefit many in the jurisdiction that are long- term solutions / Costs: projects that can be implemented by existing personnel with little additional burden on budget and uncomplicated to implement. |

| ATRC & WARC Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 1 | ATRC & WARC will maintain the mitigation plan by seeking additional grant funding, as needed | All | ATRC & WARC | HMGP/Local Funds | High | High |
| 1 | ATCR & WARC will work to incorporate the counties of Wilcox, Dallas, Hale, Bibb, Perry, Marengo, Tuscaloosa, Sumter and their jurisdictions not part of this plan as their plans expire | All | ATRC & WARC | HMGP/Local Funds | High | High |
| 1 | ATRC & WARC will facilitate multi-jurisdiction collaboration by attending AEMA Division c meetings on at least an annual basis | All | ATRC & WARC | Local Funds | High | High |
| 1 | ATRC & WARC will incorporate HAZUS-MH and Risk MAP information in Risk Assessment for future plan updates | Flooding / High Winds | ATRC & WARC | HMGP/Local Funds | High | High |

## Bibb County Board of Education Mitigation Action Plan

| Goal/ Number | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 4 | Construct storm retrofits to educational buildings. | Thunderstorms, Tornadoes, Hurricanes | Bibb County Board of Education | FEMA HMA/ Local | Medium | Moderate |
| 4.1 | Construct/install community safe rooms to educational buildings to include generators. | Thunderstorms, Tornadoes, Hurricanes | Bibb County Board of Education | FEMA HMA/ Local | High | Moderate |
| 4.2 | Construct/install individual storm shelters to educational buildings. | Thunderstorms, Tornadoes, Hurricanes | Bibb County Board of Education | FEMA HMA/ Local | Low | High |
| 5 | Provide emergency generators at educational buildings. | All | Bibb County Board of Education | FEMA HMA/ Local | High | High |

## Bibb County Commission Mitigation Action Plan

| Goal/ Number | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 1 | Enforce floodplain management requirements, regulate construction or improvements in Special Flood Hazard Areas (SFHAs) | Flooding | Bibb County Engineer | Local | Ongoing | High |
| 1.1 | Develop a library of guidance materials to assist local floodplain managers. | Flooding | Bibb County Engineer | Grants/ Local | Ongoing | Moderate |
| 1.2 | Perform vulnerability assessments of critical facilities to identify retrofit projects to improve the safety of occupants and mitigate damages from hazards. | Flooding, Tornadoes, Hurricanes, Severe Storms and Earthquakes | Bibb County Engineer | Grants/ Local | Ongoing | High |
| 4 | Construct new community safe rooms with generators in accessible locations and add safe rooms within new and existing public and government buildings. | Thunderstorms, Tornadoes, Hurricanes | Bibb County EMA, Bibb County Commission | FEMA HMA/ Local | Ongoing | Moderate |
| 4.1 | Encourage the construction of safe rooms in new and existing homes and buildings. | Thunderstorms, Tornadoes, Hurricanes | Bibb County EMA, Bibb County Commission | Local | Ongoing | High |
| 4.2 | Construct storm retrofits to critical facilities to include fire buildings. | Thunderstorms, Tornadoes, Hurricanes | Bibb County EMA, Bibb Fire Association | FEMA HMA/ Local | Medium | Moderate |
| 5 | Upgrade critical communications infrastructure. | All | Bibb County EMA, Bibb County Commission | Grants/ Local | Ongoing | Moderate |
| 5.1 | Install permanent emergency generators at critical facilities. | All | Bibb County EMA, Bibb Fire Association | Grants/ Local | High | High |
| 5.2 | Use of phone messaging system for weather alerts/warnings | All | Bibb County EMA, Bibb County Commission | Local | Ongoing | High |

| Bibb County Commission Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal/ Number** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 5.3 | Maintain/upgrade sheriff's department equipment | All | Bibb County Sheriff | ADECA, ALEA, Local | Ongoing | Moderate |
| 5.4 | Maintain/upgrade fire department equipment | All | Bibb Fire Association | Grants/ Local | Ongoing | Moderate |
| 6 | Conduct outreach activities to residents using multiple media platforms or workshops to implement hazard mitigation measures in the home. | All | Bibb County EMA | Local | Ongoing | High |

Table 4-13: 2015 Bibb County Mitigation Actions

| | |
|---|---|
| **Mitigation Action 1.1.1** | Install an outdoor weather siren at Eoline Fire Department REMOVED 2020 |
| **Hazard(s) Addressed** | Thunderstorm, Tornado, Hurricane |
| **Applies to new/existing asset** | Existing |
| **Local Planning Mechanism** | Bibb County EMA, Bibb County |
| **Time frame for Completion** | One year from funding availability |
| **Estimated Cost** | 30,000 each |
| **Funding Sources** | Local, Grants |
| **Priority** | Medium |
| **Mitigation Action 1.2.2** | Construct individual storm shelters REMOVED 2020 |
| **Hazard(s) Addressed** | Thunderstorm, Tornado |
| **Applies to new/existing asset** | New and Existing |
| **Local Planning Mechanism** | Bibb County EMA, Bibb County |
| **Time frame for Completion** | One year from funding availability |
| **Estimated Cost** | 5,000 each |
| **Funding Sources** | Local, Grants |
| **Priority** | High |
| **Mitigation Action 2.1.1** | Install security measures at Bibb County critical facilities REMOVED 2020 |
| **Hazard(s) Addressed** | Man-made hazards |
| **Applies to new/existing asset** | Existing |
| **Local Planning Mechanism** | Bibb County EMA, Bibb County |
| **Time frame for Completion** | One year from funding availability |
| **Estimated Cost** | $500,000 |
| **Funding Sources** | Local, Grants |
| **Priority** | Medium |

| Table 5-31: 2015 Bibb County Fire Association Mitigation Actions ALL REMOVED 2020 – combined with Bibb County Action plan | |
|---|---|
| **Mitigation Action** | Construct storm retrofits to fire buildings |
| **Hazard(s) Addressed** | Thunderstorms, Tornados, Hurricanes |
| **Applies to new/existing asset** | Existing |
| **Local Planning Mechanism** | Bibb County Fire Association |
| **Time frame for Completion** | One year from funding availability |
| **Estimated Cost** | $250,000 each |
| **Funding Sources** | Grants, local |
| **Priority** | Low |
| **Mitigation Action** | Construct/install community safe rooms to fire buildings to include generators |
| **Hazard(s) Addressed** | Thunderstorm, Tornado |
| **Applies to new/existing asset** | New and Existing |
| **Local Planning Mechanism** | Bibb County Fire Association |
| **Time frame for Completion** | One year from funding availability |
| **Estimated Cost** | $100,000 each |
| **Funding Sources** | Local; Grants |
| **Priority** | High |
| **Mitigation Action** | Construct/install individual storm shelters to fire buildings |
| **Hazard(s) Addressed** | Thunderstorm, Tornado |
| **Applies to new/existing asset** | New and Existing |
| **Local Planning Mechanism** | Bibb County Fire Association |
| **Time frame for Completion** | One year from funding availability |
| **Estimated Cost** | $5,000 each |
| **Funding Sources** | Local; Grants |
| **Priority** | Low |
| **Mitigation Action** | Provide generators for fire buildings |
| **Hazard(s) Addressed** | All |
| **Applies to new/existing asset** | Existing |
| **Local Planning Mechanism** | Bibb County Fire Association |
| **Time frame for Completion** | One year from funding availability |
| **Estimated Cost** | $25,000 ea |
| **Funding Sources** | Grants, local |
| **Priority** | High |

## Bibb County Medical Center Mitigation Action Plan

| Goal/ Number | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 4 | Construct storm retrofits to medical buildings. | Thunderstorms, Tornadoes, Hurricanes | Bibb County Medical Center | FEMA HMA/ Local | Medium | Moderate |
| 4.1 | Construct/install community safe rooms to medical buildings to include generators. | Thunderstorms, Tornadoes, Hurricanes | Bibb County Medical Center | FEMA HMA/ Local | High | Moderate |
| 5 | Provide emergency generators at medical buildings. | All | Bibb County Medical Center | FEMA HMA/ Local | High | High |

Table 5-32: 2015 Bibb County Medical Center Mitigation Actions

| | |
|---|---|
| **Mitigation Action** | Install security measures at Bibb County Medical Center REMOVED 2020 |
| **Hazard(s) Addressed** | Man-made hazards |
| **Applies to new/existing asset** | Existing |
| **Local Planning Mechanism** | Bibb County Medical Center |
| **Time frame for Completion** | One year from funding availability |
| **Estimated Cost** | $500,000 |
| **Funding Sources** | Local, Grants |
| **Priority** | Medium |

## City of Brent Mitigation Action Plan

| Goal/ Number | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 1 | Enforce floodplain management requirements, regulate construction or improvements in Special Flood Hazard Areas (SFHAs) | Flooding | Mayor/Council | Local | Ongoing | High |
| 4 | Upgrade drainage system to enlarge ditches and add storm drain, to include the Partridge Drive/ Camp Road area | Flooding | Mayor/Council | Grants/ Local | Completed | N/A |
| 4.1 | Construct new community safe rooms with generators in accessible locations and add safe rooms within new and existing public and government buildings. | Thunderstorms, Tornadoes, Hurricanes | Mayor/Council | FEMA HMA/ Local | Completed | N/A |
| 4.2 | Encourage the construction of safe rooms in new and existing homes and buildings. | Thunderstorms, Tornadoes, Hurricanes | Bibb County EMA, Mayor/Council | Local | Ongoing | High |
| 4.3 | Construct storm retrofits to critical facilities to include fire buildings. | Thunderstorms, Tornadoes, Hurricanes | Mayor/Council, Fire Dept. | FEMA HMA/ Local | High | Moderate |
| 5 | Install permanent emergency generators at critical facilities. | All | Bibb County EMA, Mayor/Council, Fire Dept. | Grants/ Local | Ongoing | Moderate |
| 5.1 | Install NOAA indoor warning system at critical facilities and Brent Library | All | Bibb County EMA, Mayor/Council | Local | High | Moderate |

Table 5-6: 2015 City of Brent Mitigation Actions

| | |
|---|---|
| **Mitigation Action** | Install security measures at critical facilities REMOVED 2020 |
| **Hazard(s) Addressed** | Man-made hazards |
| **Applies to new/existing asset** | Existing |
| **Local Planning Mechanism** | Bibb County EMA, City of Brent, Bibb County |
| **Time frame for Completion** | One year from funding availability |
| **Estimated Cost** | $150,000 |
| **Funding Sources** | Local, Grants |
| **Priority** | Medium |
| **Mitigation Action** | Install outdoor warning sirens throughout city REMOVED 2020 |
| **Hazard(s) Addressed** | All |
| **Applies to new/existing asset** | Existing |
| **Local Planning Mechanism** | Bibb County EMA, City of Brent |
| **Time frame for Completion** | One year from funding availability |
| **Estimated Cost** | $25,000 |
| **Funding Sources** | Local, Grants |
| **Priority** | Medium |

## City of Centreville Mitigation Action Plan

| Goal/ Number | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 1 | Enforce floodplain management requirements, regulate construction or improvements in Special Flood Hazards Areas (SFHAs). | Flooding | Mayor/Council | Grants/ Local | Ongoing | High |
| 4 | Construct/install community safe rooms to include generators. | Hurricanes, Tornadoes, Severe Storms | Bibb County EMA, Mayor/Council | FEMA HMA/Local | Medium | Low |
| 4.1 | Encourage the construction of safe rooms in new and existing homes and buildings. | Hurricanes, Tornadoes, Severe Storms | Bibb County EMA, County Commission, City Public Works | Local | Low | High |
| 4.2 | Construct storm retrofits to critical facilities. | Hurricanes, Tornadoes, Severe Storms | Mayor/Council | FEMA HMA/Local | Medium | Low |
| 5 | Install generators at critical facilities. | All | Bibb County EMA, Mayor/Council, Fire Dept. | Grants/ Local | Ongoing | Moderate |
| 6 | Conduct outreach activities to residents using multiple media platforms or workshops to implement hazard mitigation measures in the home. | All | Mayor/Council | Local | Ongoing | Moderate |

Table 5-12: 2015 City of Centreville Mitigation Actions

| | |
|---|---|
| **Mitigation Action** | Install security measures at critical facilities REMOVED 2020 |
| **Hazard(s) Addressed** | Man-made hazards |
| **Applies to new/existing asset** | Existing |
| **Local Planning Mechanism** | Bibb County EMA, City of Centreville, Bibb County |
| **Time frame for Completion** | One year from funding availability |
| **Estimated Cost** | $150,000 |
| **Funding Sources** | Local, Grants |
| **Priority** | Medium |

## Town of West Blocton Mitigation Action Plan

| Goal/ Number | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 1 | Enforce floodplain management requirements, regulate construction or improvements in Special Flood Hazards Areas (SFHAs) | Flooding | Mayor/Council | Local | Ongoing | High |
| 4 | Upgrade drainage system to enlarge pipes and ditches, add storm drains | Flooding | Bibb County EMA, Mayor/Council | Grants/ Local | Ongoing | Moderate |
| 4.1 | Construct new community safe rooms with generators in accessible locations and add safe rooms within new and existing public and government buildings. | Thunderstorms, Tornadoes, Hurricanes | Mayor/Council | FEMA HMA/ Local | Medium | Moderate |
| 4.2 | Encourage the construction of safe rooms in new and existing homes and buildings. | Thunderstorms, Tornadoes, Hurricanes | Bibb County EMA, Mayor/Council | Local | Ongoing | High |
| 4.3 | Construct storm retrofits to critical facilities to include fire buildings | Thunderstorms, Tornadoes, Hurricanes | Bibb County EMA, Fire Dept. | FEMA HMA/ Local | Medium | Moderate |
| 5 | Install emergency generators at critical facilities | All | Bibb County EMA, Mayor/Council, Fire Department | Grants/ Local | Medium | Moderate |
| 5.1 | Install lighting arrestors at all water and sewer pumps | Lightning | Public Works Dept. | Grants/Local | Medium | Moderate |

Table 5-24: 2015 Town of West Blocton Mitigation Actions

| | |
|---|---|
| **Mitigation Action** | Install security measures at critical facilities REMOVED 2020 |
| **Hazard(s) Addressed** | Man-made hazards |
| **Applies to new/existing asset** | Existing |
| **Local Planning Mechanism** | Bibb County EMA, Town of West Blocton |
| **Time frame for Completion** | One year from funding availability |
| **Estimated Cost** | $100,000 |
| **Funding Sources** | Local, Grants |
| **Priority** | High |
| **Mitigation Action** | Upgrade fire hydrants to add security access device REMOVED 2020 |
| **Hazard(s) Addressed** | Chemical agent |
| **Applies to new/existing asset** | Existing |
| **Local Planning Mechanism** | Bibb County EMA, Town of West Blocton |
| **Time frame for Completion** | One year from funding availability |
| **Estimated Cost** | $100,000 |
| **Funding Sources** | Local, Grants |

| Dallas County Commission Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 1 | Continue to Participate in NFIP and enforce County's flood ordinance | Flooding | Dallas County Floodplain Manager | Local | Ongoing | High |
| 5 | Continue to clear debris from roads and drainage ways | All | Dallas County Road and Bridge Dept. | Local | Ongoing | High |
| 5 | Continue to perform maintenance on roads, drainage culverts, creeks, and streams to mitigate the threat of floods | Flooding | Dallas County Road and Bridge Dept. | Local | Ongoing | High |
| 1 | Continue to maintain and improve the county road system | All | Dallas County Road and Bridge Dept. | Local | Ongoing | High |
| 4 | Drainage projects in areas that are flood prone | Flooding | Dallas County Road and Bridge Dept. | Local/HMA/ CDBG | Medium | Moderate |
| 4 | Storm Water Management Project throughout the County | Flooding | Dallas County Road and Bridge Dept. | Local/HMA/ CDBG | Medium | Moderate |
| 6 | Explore ways to use Social Media to provide mitigation and emergency information to the public | All | Dallas County EMA | Local | Ongoing | High |
| 2 | Retrofitting of critical facilities | High Winds | Dallas County Commission | Local/HMA/CDBG | Low | Moderate |
| 1 | Acquire desktop GIS software for maintaining risk assessment data. | All | Dallas County EMA | Local/HMA | Low | Low |
| 1 | Complete a comprehensive inventory of critical facilities within all jurisdictions and maintain with GIS. | All | Dallas County EMA | Local | Low | Moderate |
| 1 | Integrate FEMA HAZUS-MH applications for hazard loss estimations within local GIS programs. | All | Dallas County EMA | Local | Low | Moderate |

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|---|---|---|---|---|---|---|
| 1 | Maintain up-to-date data within GIS to apply the full loss estimation capabilities of HAZUS. | All | Dallas County EMA | Local | Low | Moderate |
| 1 | Consider large lot size restrictions on flood-prone areas designated on Flood Insurance Rate Maps. | Flooding | Dallas County Commission | Local | Low | Moderate |
| 1 | Evaluate additional land use restrictions within designated flood zones, such as prohibition of storage of buoyant materials, storage of hazardous materials, restrictive development of flood ways, etc. | Flooding | Dallas County Commission | Local | Low | Moderate |
| 1 | Train local floodplains managers through programs offered through the State Floodplain Manager and FEMA'S training center in Emmetsburg, Maryland | Flooding | Dallas County EMA | Local | Moderate | Moderate |
| 2 | Maintain a library of technical assistance and guidance materials to support the local flood plain manager. | All | Dallas County EMA | Local | Ongoing | High |
| 2 | Obtain membership for local flood plain managers in the Association of State Flood plain manager. | Flooding | Dallas County EMA | Local | Ongoing | High |
| 1 | Evaluate the effectiveness of higher regulatory standards, such as additional building elevation and limitation of fill within flood plains, to be included in local flood plain management regulations. | Flooding | Dallas County EMA | Local | Low | Moderate |
| 1 | Evaluate building code standards for roof construction to assure protection against wind damage from hurricanes, tornadoes, and windstorms; require installation of "hurricane clips" | High Winds | Dallas County Commission | Local | Low | Moderate |
| 4 | Enact local ordinances to require community storm shelters within sizeable mobile home parks and subdivisions. | High Winds | Dallas County Commission | Local | Medium | Moderate |

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|---|---|---|---|---|---|---|
| 4 | Require the construction of safe rooms within new public buildings, such as new schools, libraries, community centers, and other public buildings where feasible. | High Winds | Dallas County Commission | Local | Medium | Moderate |
| 4 | Continue program to subsidize safe room construction in existing homes. | High Winds | Dallas County Commission | Local | Ongoing | High |
| 4 | Construct free-standing public safe rooms in vulnerable locations. | High Winds | Dallas County Commission | Local/HMA/ CDBG | Medium | Moderate |
| 1 | Apply for and maintain membership in the CRS Program. | Flooding | Dallas County Commission | Local | Low | Moderate |
| 1 | Provide technical assistance to owners of pre-FIRM buildings to advise on available retrofits to protect against flood damage. | Flooding | Dallas County Commission | Local | Low | Moderate |
| 4 | Seek funding sources, such as Community Development Block Grant funds, to assist low-income homeowners with building retrofits to protect against flood damage. | Flooding | Dallas County Commission | Local/HMA/ CDBG | Ongoing | Moderate |
| 6 | Publicize the availability of FIRM information to real estate agents, builders, developers, and homeowners through local trade publications and newspaper announcements. | Flooding | Dallas County EMA | Local | Ongoing | High |
| 6 | Establish an annual Severe Weather Awareness Day in conjunction with NWS. | All | Dallas County EMA | Local | Ongoing | High |
| 6 | Identify other environmental awareness events to integrate public information on hazard exposure and protection measures. | All | Dallas County EMA | Local | Ongoing | High |
| 1 | Arrange with the Multiple Listing Service MLS to require flood plain location disclosure as a condition for each real estate listing. | Flooding | Dallas County EMA | Local | Low | Moderate |
| 6 | Obtain free publications from FEMA, NWS, USGS, and other federal and state agencies and deposit these materials with local libraries. | All | Dallas County EMA | Local | Ongoing | High |

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|---|---|---|---|---|---|---|
| 6 | Maintain local library repositories with the latest available publications. | All | Dallas County EMA | Local | Ongoing | High |
| 6 | Distribute hazard mitigation brochures to area schools for distribution to students. | All | Dallas County EMA | Local | Ongoing | High |
| 1 | Enact and enforce dumping regulations. | All | Dallas County Commission | Local | Low | Moderate |
| 1 | Enact and enforce erosion and sedimentation control regulations. | Flooding | Dallas County Commission | Local | Low | Moderate |
| 3 | Seek technical assistance through the Alabama Cooperative Extension System with Best Management Practices (BMP) for channel and drainage system maintenance. | Flooding | Dallas County Commission | Local | Ongoing | Moderate |
| 5 | Install warning sirens at all public schools and other locations as needed. | High Winds | Dallas County Commission | Local/HMA | Ongoing | Moderate |
| 5 | Install an automated weather monitoring system that transmits data to the County EMA and the NWS, including all-weather stations, precipitation gages, wind gages, and temperature gages. | All | Dallas County Commission | Local | Ongoing | Moderate |
| 5 | Support the Alabama Skywarn Foundation efforts to distribute weather radios to low-income households, especially in rural areas outside of siren coverage areas. | High Winds | Dallas County Commission | Local | Ongoing | High |
| 5 | Promote the use of weather radios in households and businesses. | All | Dallas County Commission | Local | Ongoing | High |
| 5 | Purchase emergency generators for disaster mitigation, as needed. In particular, for the Dallas County Volunteer Reception Center, Dallas County VOAD, and the Dallas County Medical Reserve Corporation all located at 115 Vaughn Memorial Drive in Selma; Pioneer and Central Alabama Electric Cooperative that serve Dallas County; and at the Water | All | Dallas County Commission | Local/HMA | Partially Complete/ Planned | Moderate |

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| | Works Facilities and other facilities as needed. | | | | | |
| 1 | Update county mitigation plan | All | Dallas County Commission | Local/HMA/ CDBG | Medium | High |

Action DC12 from the previous County mitigation plan has been deleted due to the action being completed at the time of that plan which is over 5 years ago.

| Town of Orrville Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 1/3 | Continue to Participate in NFIP | Flooding | Town of Orrville Town Council | Local | Ongoing | High |
| 5 | Continue to clear debris from roads and drainage ways | All | Town of Orrville Town Council | Local | Ongoing | High |
| 5 | Continue to perform maintenance on roads, drainage culverts, creeks, and streams to mitigate the threat of floods | Flooding | Town of Orrville Town Council | Local | Ongoing | High |
| 1 | Continue to maintain and improve the town's road system | All | Town of Orrville Town Council | Local | Ongoing | High |
| 4 | Drainage projects in areas that are flood prone | Flooding | Town of Orrville Town Council | Local/HMA/ CDBG | Medium | Moderate |
| 4 | Storm Water Management Project throughout the town | Flooding | Town of Orrville Town Council | Local/HMA/ CDBG | Medium | Moderate |
| 4 | Promote safe rooms in residences | High Winds | Town of Orrville Town Council | Local | Ongoing | High |
| 2/4 | Construct free standing public safe rooms in vulnerable locations. | High Winds | Town of Orrville Town Council | Local/HMA/ CDBG | Medium | Low |
| 5 | Support the Alabama Skywarn Foundation efforts to distribute weather radios to low-income households, especially in rural areas outside of siren coverage areas. | High Winds | Town of Orrville Town Council | Local | Ongoing | High |
| 5 | Promote the use of weather radios in households and businesses. | All | Town of Orrville Town Council | Local | Ongoing | High |

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|---|---|---|---|---|---|---|
| 5 | Purchase emergency generators for post-disaster mitigation, as needed. | All | Town of Orrville Town Council | Local/HMA | Medium | Moderate |
| 5 | Purchase tornado sirens for areas where people congregate outdoors | High Winds | Town of Orrville Town Council | Local/HMA | Low | Moderate |

| City of Selma Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 1/3 | Continue to Participate in NFIP and enforce City's flood ordinance | Flooding | City of Selma Floodplain Manager | Local | High | High |
| 5 | Continue to clear debris from roads and drainage ways | All | City of Selma Public Works | Local | High | High |
| 5 | Continue to perform maintenance on roads, drainage culverts, creeks, and streams to mitigate the threat of floods | Flooding | City of Selma Public Works | Local | High | High |
| 1 | Continue to maintain and improve the city road system | All | City of Selma Public Works | Local | High | High |
| 6 | Explore ways to use Social Media to provide mitigation and emergency information to the public | All | City of Selma City Council | Local | High | High |
| 1 | Continue to enforce building codes | All | City of Selma Code Enforcement | Local | High | High |
| 1 | Continue to enforce subdivision regulations | Flooding | City of Selma Code Enforcement | Local | High | High |
| 1 | Continue to enforce zoning regulations | Flooding/High Winds | City of Selma Code Enforcement | Local | High | High |
| 5 | Continue to send law enforcement and fire personnel to emergency response training | All | City of Selma City Council | Local | High | High |
| 4 | Encourage inclusion of safe rooms in new construction | High Winds | City of Selma Building Inspector | Local | High | High |
| 4 | Drainage projects in areas that are flood prone | Flooding | City of Selma City Council/Public Works | Local/HMA/ CDBG | High | Moderate |
| 4 | Storm Water Management Project throughout the City | Flooding | City of Selma City Council/Public Works | Local/HMA/ CDBG | High | Moderate |

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|---|---|---|---|---|---|---|
| 2 | Retrofitting of Critical Facilities | High Winds | City of Selma City Council | Local/HMA | High | Low |
| 5 | Purchase of warning systems | High Winds | City of Selma City Council | Local/HMA | High | Moderate |
| 4 | Community Safe Rooms | High Winds | City of Selma City Council | Local/HMA | High | Low |
| 2 | Acquisition, relocation, and elevation projects to address flood prone structure | Flooding | City of Selma City Council | Local/HMA | High | Low |

The City of Selma has completed two CDBG drainage projects in the last five years. The total costs of these projects was approximately $1,000,000.

| City of Valley Grande Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 1/3 | Continue to Participate in NFIP and enforce City's flood ordinance | Flooding | City of Valley Grande City Council | Local | High | High |
| 5 | Continue to clear debris from roads and drainage ways | All | City of Valley Grande City Council | Local | High | High |
| 5 | Continue to perform maintenance on roads, drainage culverts, creeks, and streams to mitigate the threat of floods | Flooding | City of Valley Grande City Council | Local | High | High |
| 1 | Continue to maintain and improve the city road system | All | City of Valley Grande City Council | Local | High | High |
| 6 | Explore ways to use Social Media to provide mitigation and emergency information to the public | All | City of Valley Grande City Council | Local | High | High |
| 1 | Continue to enforce building codes | All | City of Valley Grande Code Enforcement | Local | High | High |
| 1 | Continue to enforce subdivision regulations | Flooding | City of Valley Grande Code Enforcement | Local | High | High |
| 5 | Continue to send law enforcement and fire personnel to emergency response training | All | City of Valley Grande City Council | Local | High | High |
| 4 | Encourage inclusion of safe rooms in new construction | High Winds | City of Valley Grande City Council | Local | High | High |
| 4 | Drainage projects in areas that are flood prone | Flooding | City of Valley Grande City Council | Local/HMA | Low | Moderate |
| 4 | Storm Water Management Project throughout the City | Flooding | City of Valley Grande City Council | Local | Medium | Moderate |
| 2 | Retrofitting of Critical Facilities | High Winds | City of Valley Grande City Council | Local | High | High |

| | | | | | | |
|---|---|---|---|---|---|---|
| 5 | Purchase of warning systems | High Winds | City of Valley Grande City Council | Local | Medium | Moderate |
| 4 | Community Safe Rooms | High Winds | City of Valley Grande City Council | Local | High | High |

| Dallas County School District Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 4 | Provide storm shelters at all county schools | High Winds | Dallas County School Board | Local/FMA/ALSDE | Medium | Moderate |
| 5 | Purchase generators for each school | All | Dallas County School Board | Local/FMA/ALSDE | Medium | Moderate |
| 2 | Retrofitting of schools | High Winds | Dallas County School Board | Local/FMA/ALSDE | Low | Low |
| 5 | Tornado Sirens | High Winds | Dallas County School Board | Local/FMA/ALSDE | Medium | Moderate |
| 4 | Correct storm water/ drainage issues on school campuses | Flooding | Dallas County School Board | Local/FMA/ALSDE | Medium | Moderate |
| 6 | Train all staff in hazard safety | All | Dallas County School Board | Local | Ongoing | High |

| Selma City Schools Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 4 | Provide storm shelters at all city schools | High Winds | Selma City School Board | Local/FMA/ALSDE | Medium | Moderate |
| 5 | Purchase generators for each school | All | Selma City School Board | Local/FMA/ALSDE | Medium | Moderate |
| 2 | Retrofitting of Elementary School | High Winds | Selma City School Board | Local/FMA/ALSDE | Low | Low |
| 5 | Tornado Sirens | High Winds | Selma City School Board | Local/FMA/ALSDE | Medium | Moderate |
| 4 | Correct storm water/ drainage issues on school campuses | Flooding | Selma City School Board | Local/FMA/ALSDE | Medium | Moderate |
| 6 | Train all staff in hazard safety | All | Selma City School Board | Local | Ongoing | High |

## Greene County Board of Education Mitigation Action Plan

| Goal/ Number | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 4 | Construct storm retrofits to educational buildings. | Thunderstorms, Tornadoes, Hurricanes | Greene County Board of Education | FEMA HMA/ Local | Medium | Moderate |
| 4.1 | Construct/install community safe rooms to educational buildings to include generators. | Thunderstorms, Tornadoes, Hurricanes | Greene County Board of Education | FEMA HMA/ Local | High | Moderate |
| 4.2 | Construct/install individual storm shelters to educational buildings. | Thunderstorms, Tornadoes, Hurricanes | Greene County Board of Education | FEMA HMA/ Local | Low | High |
| 5 | Provide emergency generators at educational buildings. | All | Greene County Board of Education | FEMA HMA/ Local | High | High |

The Greene County Board of Education action plan is new for 2020.

# Greene County Commission Mitigation Action Plan

| Goal/ Number | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 1 | Enforce floodplain management requirements regulate construction or improvements in Special Flood Hazard Areas (SFHAs) | Flood | Greene County EMA, County Engineer | Local | Low/ Ongoing | High |
| 4 | Construct short-term individual storm shelters at fire departments to include generators and outdoor warning sirens if needed. | Thunderstorms, Tornados, Hurricanes | Greene County EMA, Individual VFD's | HMA Grants, Local | Complete | N/A |
| 4.1 | Install/ construct community safe rooms to include generators and outdoor warning sirens, if needed | Thunderstorms, Tornados, Hurricanes | Greene County EMA | HMA Grants, Local | High/ Partially complete, Ongoing | Moderate |
| 4.2 | Install individual safe rooms | Thunderstorms, Tornados, Hurricanes | Greene County EMA, Greene County Commission | HMA Grants, Private | High/ Partially complete, Ongoing | Moderate |
| 4.3 | Improve drainage systems | Flood | Greene County EMA, Greene County Highway Dept. | HMA Grants, ADECA, Local | Medium/ Ongoing | Moderate |
| 4.4 | Construct storm retrofits to critical facilities | Thunderstorms, Tornados, Hurricanes | Greene County EMA | HMA Grants, Local | Low | Moderate |
| 4.5 | Construct/ install safe rooms at government buildings to include generators | Thunderstorms, Tornados, Hurricanes | Greene County EMA | HMA Grants, Local | High | Moderate |
| 5 | Install additional outdoor warning sirens throughout county | All | Greene County EMA | HMA Grants, Local | Medium/ Partially complete, Ongoing | Moderate |
| 5.1 | Upgrade facilities at volunteer fire departments | Wildfires, Thunderstorms, Tornados, Hurricanes | Greene County EMA, Individual VFD's | HMA Grants, Local | Low/ Partially complete, ongoing | Moderate |

| Greene County Commission Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal/ Number** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 5.2 | Purchase and implement countywide communications systems for first responders | All | Greene County Commission, Volunteer Fire Association | HMA Grants, Local | High/ ongoing | Moderate |
| 5.3 | Provide emergency generators at critical facilities | All | Greene County EMA, Greene County Commission | HMA Grants, Local | Medium/ New | Moderate |
| 5.3 | Establish volunteer emergency dispatcher program and training | All | Greene County EMA | Local | Medium | High |
| 6 | Participate in public awareness events such as City/County Day, Hurricane Awareness Week, and Severe Weather Week | All | Greene County EMA | Local | High | High |

Table 4-12 2015 Greene County Mitigation Actions

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| **Mitigation Action 1.2.2** | Construct short-term individual storm shelters at fire departments to include outdoor warning sirens if needed REMOVED 2020 |
| **Hazard(s) Addressed** | Chemical agent, Conventional Bomb/Explosive |
| **Applies to new/existing asset** | Existing |
| **Local Planning Mechanism** | Greene County EMA, Individual VFD's |
| **Time frame for Completion** | Two year from funding availability |
| **Estimated Cost** | $50,000 |
| **Funding Sources** | Grants, Local |
| **Priority** | High |
| **Mitigation Action 2.1.2** | Install security measures at critical facilities REMOVED 2020 |
| **Hazard(s) Addressed** | Misc. Man Made hazards |
| **Applies to new/existing asset** | Existing |
| **Local Planning Mechanism** | Greene County EMA, Greene County, Fosters/Ralph Water Authority |
| **Time frame for Completion** | One year from funding availability |
| **Estimated Cost** | $10,000 |
| **Funding Sources** | Grants, Local |
| **Priority** | Medium |

## Greene County Health System Mitigation Action Plan

| Goal/ Number | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 4 | Construct storm retrofits to medical buildings. | Thunderstorms, Tornadoes, Hurricanes | Greene County Health System | FEMA HMA/ Local | Medium | Moderate |
| 4.1 | Construct/install community safe rooms to medical buildings to include generators. | Thunderstorms, Tornadoes, Hurricanes | Greene County Health System | FEMA HMA/ Local | High | Moderate |
| 4.2 | Construct secured storage area for food, water, medications in preparation for emergency hazard events. | Thunderstorms, Tornadoes, Hurricanes | Greene County Health System | FEMA HMA/ Local | Medium | Moderate |
| 5 | Provide emergency generators at medical buildings. | All | Greene County Health System | FEMA HMA/ Local | High | High |

The Greene County Health system action plan is new for 2020.

# City of Eutaw Mitigation Action Plan

| Goal/ Number | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 1 | Enforce floodplain management requirements; regulate construction or improvements in Special Flood Hazard Areas (SFHAs). | Flood | Mayor/Council | Local | Low, Ongoing | High |
| 4 | Install /construct community safe rooms to include generators and outdoor warning sirens, if needed | Thunderstorms, Tornados, Hurricanes | Greene County EMA, Mayor/Council | HMA Grants, Local | Medium | Moderate |
| 4.1 | Install transfer switch, connect existing generators at City Hall and National Guard building | All | Mayor/Council | HMA Grants, Local | High | High |
| 4.2 | Improve drainage systems throughout city | Flood | Mayor/Council | HMA Grants, ADECA, Local | Low, Ongoing | Moderate |
| 4.3 | Construct storm retrofits to government buildings | Thunderstorms, Tornados, Hurricanes | Mayor/Council | HMA Grants, Local | Low | Moderate |
| 4.4 | Construct/ install community safe rooms at buildings to include generators | Thunderstorms, Tornados, Hurricanes | Mayor/Council | HMA Grants, Local | High | Moderate |
| 5 | Provide emergency generators at critical facilities | All | Mayor/Council, Fire Dept. | HMA Grants, Local | Medium, *Ongoing* | High |
| 5.1 | Install additional outdoor warning sirens throughout city | Thunderstorms, Tornados, Hurricanes | Greene County EMA, Mayor/Council | HMA Grants, Local | High | Moderate |

Table 5-12 2015 City of Eutaw Mitigation Actions

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|---|---|
| **Mitigation Action 2.1.1** | Install security measures at critical facilities REMOVED 2020 |
| **Hazard(s) Addressed** | Chemical agent, Conventional Bomb/Explosive |
| **Applies to new/existing asset** | Existing |
| **Local Planning Mechanism** | City of Eutaw |
| **Time frame for Completion** | One year from funding availability |
| **Estimated Cost** | $70,000 |
| **Funding Sources** | Grants, Local |
| **Priority** | Low |

## Town of Boligee Mitigation Action Plan

| Goal/ Number | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 1 | Participation in the NFIP | Flood | Greene County EMA, Mayor/Council | Local | Low | High |
| 4 | Construct community safe room | Thunderstorms, Tornados, Hurricanes | Greene County EMA, Mayor/Council | HMA Grants, Local | High, New | Moderate |
| 4.1 | Install/construct individual safe rooms | Thunderstorms, Tornados, Hurricanes | Greene County EMA, Mayor/Council | HMA Grant/Private | High | High |
| 5 | Construct new Fire Station | Wildfires, Thunderstorms, Tornados, Hurricanes | Greene County EMA, Mayor/Council, Fire Dept. | HMA Grants, Local | High, Complete New | N/A |
| 5.1 | Purchase and implement communications system for first responders | All | Greene County EMA, Mayor/Council | HMA Grants, Local | Medium | Moderate |
| 5.2 | Encourage provision and use of NOAA all-weather radios by individuals and businesses | All | Greene County EMA, Mayor/Council | HMA Grants, Local | High, New | High |
| 5.3 | Provide emergency generators at critical facilities | All | Greene County EMA, Mayor/Council | HMA Grants, Local | Medium, New | Moderate |
| 6 | Participate in public awareness events such as City/County Day, Hurricane Awareness Week, and Severe Weather Week | All | Mayor/Council | Local | High | High |

Table 5-6 2015 Town of Boligee Actions

| | |
|---|---|
| **Mitigation Action 2.1.1** | Install security measures at critical facilities REMOVED 2020 |
| **Hazard(s) Addressed** | Misc. Man-made hazards |
| **Applies to new/existing asset** | Existing |
| **Local Planning Mechanism** | Greene County EMA, Greene County Board of Education |
| **Time frame for Completion** | One year from funding availability |
| **Estimated Cost** | $25,000 |
| **Funding Sources** | Grants, Local |
| **Priority** | Medium |

## Town of Forkland Mitigation Action Plan

| Goal/ Number | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 1 | Participate in NFIP program | Flood | Mayor/Council | Local | Low | High |
| 4 | Install Community Safe Room with Generator | Thunderstorms, Tornados, Hurricanes | Greene County EMA, Mayor/Council | HMA Grants, Local | High, Completed | N/A |
| 5 | Install outdoor warning sirens throughout town | Thunderstorms, Tornados, Hurricanes | Greene County EMA, Mayor/Council | Local | Medium | Moderate |
| 5.1 | Encourage provision and use of NOAA all-weather radios by individuals and businesses | All | Greene County EMA, Mayor/Council | HMA Grants, Local | High, New | High |
| 5.2 | Construct Public Safety Building to house Fire and Police Dept. | Wildfires, Thunderstorms, Tornados, Hurricanes | Mayor/Council, Police Dept., Fire Dept. | USDA, Local | High, New | Low |
| 5.3 | Provide backup emergency generators to critical facilities | All | Mayor/Council, Fire Dept. | HMA Grants, Local | High | High |

Table 5-18 2015 Town of Forkland Mitigation Actions

| | |
|---|---|
| **Mitigation Action 2.1.1** | Install security measures at critical facilities REMOVED 2020 |
| **Hazard(s) Addressed** | Misc. Man-made hazards |
| **Applies to new/existing asset** | Existing |
| **Local Planning Mechanism** | Town of Forkland |
| **Time frame for Completion** | 6 months from funding availability |
| **Estimated Cost** | $15,000 |
| **Funding Sources** | Grants, Local |
| **Priority** | Low |

## Town of Union Mitigation Action Plan

| Goal/ Number | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 1 | Participate in NFIP program | Flood | Mayor/Council | Local | Medium | High |
| 4 | Install/ construct community safe room to include generators and outdoor warning sirens, if needed | Thunderstorms, Tornados, Hurricanes | Greene County EMA, Mayor/Council | HMA Grants, Local | High /Ongoing | Moderate |
| 4.1 | Improve drainage systems (enlarge ditches; storm drains) | Flood | Greene County EMA, Mayor/Council | HMA Grants, ADECA, Local | Medium | Moderate |
| 4.2 | Repair bridges | Flood | Greene County EMA, Mayor/Council | ADECA, ALDOT, Local | Low | Low |
| 5 | Provide emergency generators at critical facilities | All | Greene County EMA, Mayor/Council | HMA Grants, Local | Medium | High |

Table 5-24 2015 Town of Union Mitigation Actions

| | |
|---|---|
| **Mitigation Action 2.1.1** | Install security measures at critical facilities REMOVED 2020 |
| **Hazard(s) Addressed** | Misc. Man-made hazards |
| **Applies to new/existing asset** | Existing |
| **Local Planning Mechanism** | Town of Union |
| **Time frame for Completion** | 6 months from funding availability |
| **Estimated Cost** | $15,000 |
| **Funding Sources** | Grants, Local |
| **Priority** | Low |

## Hale County Board of Education Mitigation Action Plan

| Goal/ Number | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 4 | Construct storm retrofits to educational buildings | Severe Thunderstorms, Tornados, Hurricanes | Hale County BOE | FEMA HMA/Local | Medium | Low |
| 4.1 | Construct/install community safe rooms to educational buildings to include generators | Severe Thunderstorms, Tornados, Hurricanes | Hale County BOE | FEMA HMA/Local | Medium | Moderate |
| 4.2 | Construct/install individual storm shelters to educational buildings | Severe Thunderstorms, Tornados, Hurricanes | Hale County BOE | FEMA HMA/Local | Medium | High |
| 5 | Provide generators for educational buildings | All | Hale County BOE | Grants/Local | High | High |
| | | | | | | |

## Hale County Commission Mitigation Action Plan

| Goal/ Number | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 4 | Construct/install community safe rooms to include generators at critical facilities. | Severe Thunderstorms, Tornados, Hurricanes | Hale County EMA, Hale County | FEMA HMA/Local | High | Moderate |
| 4.1 | Construct storm retrofits to schools and critical facilities. | Severe Thunderstorms, Tornados, Hurricanes | Hale County EMA, Hale County | FEMA HMA/Local | Medium | Low |
| 4.3 | Upgrade communication systems. Meetings in progress to make the communication systems P-25 compliant. | All | Hale County EMA, Hale County | FEMA HMA/Local | Ongoing | Low |
| 5 | Install outdoor warning sirens. | Severe Thunderstorms, Tornados, Hurricanes | Hale County EMA | Grants/Local | Low | Moderate |
| 5.1 | Update Emergency Operation Center by purchasing new computers and monitors | All | Hale County EMA, Hale County | Grants/Local | Medium | Moderate |
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Actions from the 2015 plan were reorganized into the new plan goal areas and modified as deemed necessary.

## Hale County Hospital Mitigation Action Plan

| Goal/ Number | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 1 | Provide generators for Hale County Hospital, HCH's Greensboro Clinic, and HCH's Moundville Clinic | All | Hale County Hospital | FEMA HMA, Local | Medium | High |
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**Table 5-27 2015 Hale County Hospital Mitigation Actions**

| | |
|---|---|
| **Mitigation Action** | Construct storm retrofits to medical buildings REMOVED 2020 |
| **Hazard(s) Addressed** | Thunderstorms, Tornados, Hurricanes |
| **Applies to new/existing asset** | Existing |
| **Local Planning Mechanism** | Hale County Hospital |
| **Time frame for Completion** | One year from funding availability |
| **Estimated Cost** | $400,000 each |
| **Funding Sources** | HMGP, ADECA, Local |
| **Priority** | Low |
| **Mitigation Action** | Install security measures at Hale County Hospital REMOVED 2020 |
| **Hazard(s) Addressed** | Manmade Hazards |
| **Applies to new/existing asset** | Existing |
| **Local Planning Mechanism** | Hale County Hospital |
| **Time frame for Completion** | One year from funding availability |
| **Estimated Cost** | $500,000 |
| **Funding Sources** | HMGP, Local |
| **Priority** | Medium |

The removed actions were determined by the jurisdiction to no longer be relevant or feasible at this time. Remaining actions from the 2015 plan were reorganized into the new plan goal areas and modified as deemed necessary.

# City of Greensboro Mitigation Action Plan

| Goal/ Number | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 1 | Enforce floodplain management requirements, regulate construction or improvements in Special Flood Hazard Areas (SFHAs) | Flooding | City of Greensboro | Local | Completed | High |
| 4 | Upgrade drainage systems to enlarge ditches and install pipe and storm drains | Flooding | Hale County EMA, City of Greensboro | Grants, Local | Low | Low |
| 4.1 | Construct/install community safe rooms to include generators | Severe Thunderstorms, Tornados, Hurricanes | Hale County EMA, City of Greensboro | FEMA HMA, Local | High | Moderate |
| 5 | Provide additional outdoor warning sirens throughout each district | Severe Thunderstorms, Tornados, Hurricanes | Hale County EMA, City of Greensboro | FEMA HMA, Local | Low | Moderate |
| 5.1 | Install emergency generators at critical facilities | All | Hale County EMA, City of Greensboro | Grants, Local | High | Moderate |
| | | | | | | |

**Table 5-12: 2015 City of Greensboro Mitigation Actions**

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|---|---|
| **Mitigation Action** | Construct long-term underground community storm shelters REMOVED 2020 |
| **Hazard(s) Addressed** | All |
| **Applies to new/existing asset** | New |
| **Local Planning Mechanism** | Hale County EMA; City of Greensboro |
| **Time frame for Completion** | Two years from funding availability |
| **Estimated Cost** | $500,000 each |
| **Funding Sources** | Local; Grants |
| **Priority** | Low |

The removed actions were determined by the jurisdiction to no longer be relevant or feasible at this time. Remaining actions from the 2015 plan were reorganized into the new plan goal areas and modified as deemed necessary.

# City of Moundville Mitigation Action Plan

| Goal/ Number | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 1 | Enforce floodplain managements requirements, regulate construction or improvements in Special Flood Hazard Areas (SFHAs). | Flooding | City of Moundville | Local | Ongoing | High |
| 1.1 | Determine base flood elevations of the Black Warrior River, Elliott Creek, and Carthage Branch for use in ordinance | Flooding | City of Moundville | Local | Completed | Moderate |
| 3 | Improve drainage at Elliott Creek | Flooding | City of Moundville | FEMA HMA, Local | High | High |
| 4 | Install backflow prevention valves to keep sewer from entering homes during flood and high water events | Flooding | City of Moundville | Grants, Local | High | High |
| 4.1 | Construct/install community safe rooms to include generators | Severe Thunderstorms, Tornados, Hurricanes | Hale County EMA, City of Moundville | FEMA HMA, Local | Medium | Low |
| 5.1 | Upgrade communications equipment | All | Hale County EMA, City of Moundville | Grants, Local | Completed | High |
| 5.2 | Install emergency generators at critical facilities | All | Hale County EMA, City of Moundville | Grants, Local | High | Moderate |
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**Table 5-18: 2015 City of Moundville Mitigation Actions**

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|---|---|
| **Mitigation Action** | Install security measures at critical facilities REMOVED 2020 |
| **Hazard(s) Addressed** | Manmade Hazards |
| **Applies to new/existing asset** | Existing |
| **Local Planning Mechanism** | Hale County EMA, City of Moundville |
| **Time frame for Completion** | 2018 |
| **Estimated Cost** | $130,000 |
| **Funding Sources** | Local, Grants |
| **Priority** | High |

The removed actions were determined by the jurisdiction to no longer be relevant or feasible at this time. Remaining actions from the 2015 plan were reorganized into the new plan goal areas and modified as deemed necessary.

## Town of Akron Mitigation Action Plan

| Goal/ Number | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 1 | Participate in NFIP | Flooding | Town of Akron | Local | High | High |
| 4 | Replace concrete drainage covers along streets in town | Flooding | Hale County EMA, Town of Akron | Grants, Local | High | High |
| 4.1 | Construct/install multi-use community safe rooms with back-up generators (one will be used for a town hall) | Severe Thunderstorms, Tornados, Hurricanes | Hale County EMA, Town of Akron | FEMA HMA, Local | Medium | Low |
| 5 | Install additional outdoor warning sirens | Severe Thunderstorms, Tornados, Hurricanes | Hale County EMA, Town of Akron | Grants, Local | Medium | Moderate |
| 5.1 | Install emergency generators at critical facilities | All | Hale County EMA, Town of Akron | Grants, Local | High | Moderate |
| | | | | | | |

**Table 5-6: 2015 Town of Akron Mitigation Actions**

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|---|---|
| **Mitigation Action** | Install security measures at critical facilities REMOVED 2020 |
| **Hazard(s) Addressed** | Manmade Hazards |
| **Applies to new/existing asset** | Existing |
| **Local Planning Mechanism** | Hale County EMA, Town of Akron |
| **Time frame for Completion** | 2019 |
| **Estimated Cost** | $100,000 |
| **Funding Sources** | Grants, Local |
| **Priority** | Medium |

The removed actions were determined by the jurisdiction to no longer be relevant or feasible at this time. Remaining actions from the 2015 plan were reorganized into the new plan goal areas and modified as deemed necessary.

## Town of Newbern Mitigation Action Plan

| Goal/ Number | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 1 | Participate in NFIP | Flooding | Town of Newbern | Local | High | High |
| 4 | Construct/install community safe rooms to include generators | Severe Thunderstorms, Tornados, Hurricanes | Hale County EMA, Town of Newbern | FEMA HMA, Local | Medium | Low |
| 5 | Upgrade and relocate weather warning siren | Severe Thunderstorms, Tornados, Hurricanes | Hale County EMA, Town of Newbern | Grants, Local | Low | Moderate |
| 5.1 | Install emergency generators at critical facilities | All | Hale County EMA, Town of Newbern | Grants, Local | Medium | Moderate |
| | | | | | | |

**Table 5-24: 2015 Town of Newbern Mitigation Actions**

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|---|---|
| **Mitigation Action** | Install security measures at critical facilities REMOVED 2020 |
| **Hazard(s) Addressed** | Manmade Hazards |
| **Applies to new/existing asset** | Existing |
| **Local Planning Mechanism** | Hale County EMA, Town of Newbern |
| **Time frame for Completion** | 2022 |
| **Estimated Cost** | $25,000 |
| **Funding Sources** | Grants, Local |
| **Priority** | Medium |

The removed actions were determined by the jurisdiction to no longer be relevant or feasible at this time. Remaining actions from the 2015 plan were reorganized into the new plan goal areas and modified as deemed necessary.

| Marengo County Commission Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 6 | Maintain a centralized countywide natural hazards and risk assessment database in GIS that is accessible to all personnel including flood zones, geohazards, major drainage structures, dams/levees; tornado tracks | All | Marengo County EMA | Local/HMA | Medium | Moderate |
| 1 | Effectively administer and enforce local floodplain management regulations | Flooding | Marengo County Floodplain Manager | Local | Ongoing | High |
| 1 | Train local floodplain managers through programs offered at the State and Federal level. | Flooding | Marengo County EMA | Local | Ongoing | High |
| 1 | The participating community has adopted and enforces floodplain management ordinances that meet or exceed the minimum requirements of the NFIP. These requirements are intended to prevent loss of life and property and reduce taxpayer costs for disaster relief, as well as minimize economic and social hardships that result from flooding. | Flooding | Marengo County Floodplain Manager | Local | Ongoing | High |
| 6 | Maintain a library of technical assistance and guidance materials for local floodplain managers and use Marengo County EMA website for implementation | All | Marengo County EMA | Local | Medium | Moderate |

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| 1 | Promote adoption of uniform flood hazard prevention ordinance among all the NFIP communities in Marengo County. | Flooding | Marengo County Floodplain Manager | Local | Ongoing | High |
| 1/6 | Acquire GIS software for maintaining risk assessment data | All | Marengo County EMA | Local/HMA | Medium | Moderate |
| 1 | Prepare and adopt a comprehensive plan | All | Marengo County Commission | Local/CDBG | Medium | Moderate |
| 4 | Require the construction of Safe Rooms in new public buildings, such as new schools, libraries, community centers and other public buildings when feasible | High Winds | Marengo County Commission | Local | Medium | Moderate |
| 4 | Construct freestanding Public Safe Rooms in existing vulnerable locations | High Winds | Marengo County Commission | Local/HMA | Medium | Moderate |
| 1 | Apply for funding to update/revise mitigation plan when needed | All | Marengo County Commission | Local/HMA | Medium | Moderate |
| 1 | Conduct special studies as needed to identify hazard risks and mitigation measures | All | Marengo County Commission | Local/HMA | Medium | Moderate |
| 2 | Encourage retrofits of older homes constructed before the enactment of floodplain regulations | High Winds | Marengo County Commission | Local | Medium | Moderate |
| 2 | Maintain insurance riders on existing properties | All | Marengo County Commission | Local | Ongoing | High |
| 5 | Provide back-up power for critical facilities and fire stations | All | Marengo County Commission | Local/HMA | Medium | Moderate |
| 1 | Promote good construction practices and proper code enforcement to | All | Marengo County Commission | Local | Ongoing | High |

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| | eliminate most structural problems during natural hazard events | | | | | |
| 4 | Encourage the construction of safe rooms within new public buildings, such as new schools, libraries, community centers, and other public buildings where feasible. | High Winds | Marengo County Commission | Local | Ongoing | High |
| 2 | Retrofit public schools and critical facilities with community Safe Rooms. | High Winds | Marengo County Commission | Local/HMA | Medium | Moderate |
| 1/6 | Increase access to Flood Insurance Rate Maps. | Flooding | Marengo County Floodplain Manager | Local | Ongoing | High |
| 6 | Promote the purchase of flood insurance coverage by property owners and renters in high-risk flooding areas. | Flooding | Marengo County Commission | Local | Ongoing | High |
| 6 | Continue to send law enforcement and fire personnel to emergency response training | All | Marengo County Commission | Local | Ongoing | High |
| 2 | Install water infrastructure and Fire hydrants in rural areas | Wildfire | Marengo County Commission | Local/CDBG/USDA/ DRA | Medium | Moderate |
| 4 | Encourage the construction of safe rooms in new and existing construction. | High Winds | Marengo County Commission | Local | Ongoing | High |
| 6 | Maintain appropriate media relationships to ensure the public is informed of hazard threats and means to mitigate property damages and loss of life. | All | Marengo County Commission | Local | Medium | Moderate |
| 6 | Publicize the availability of FIRM information to real estate agents, builders, developers, and homeowners through local trade publications and | Flooding | Marengo County Commission | Local | Medium | Moderate |

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| | newspaper announcements. | | | | | |
| 6 | Conduct regular public meetings of hazards and mitigation measures | All | Marengo County Commission | Local | Ongoing | High |
| 3 | Maintain a healthy forest that can help mitigation the damaging impacts of flooding, erosion, landslides, and wildfires within urban and rural areas | Wildfire | Marengo County Commission | Local/USDA | Medium | Moderate |
| 3 | Seek technical assistance through the Alabama Cooperative Extension System and/or the Alabama Forestry Commission with Best Management Practices (BMPs) for channel and drainage system maintenance. | Flooding | Marengo County Commission | Local | Medium | Moderate |
| 3 | Enact and enforce dumping regulations | All | Marengo County Commission | Local | Medium | Moderate |
| 3 | Enact and enforce erosion and sedimentation control regulations | Flooding | Marengo County Commission | Local | Medium | Moderate |
| 3 | Encourage land acquisition programs to acquire habitat throughout Marengo County | All | Marengo County Commission | Local | Medium | Moderate |
| 3 | Improve maintenance programs for streams and drainage ways. | Flooding | Marengo County Commission | Local | Medium | Moderate |
| 4 | Implement drainage improvement in watersheds throughout Marengo County | Flooding | Marengo County Commission | Local/HMA/CDBG | Medium | Moderate |
| 2 | Continue to clear debris from roads and drainage ways | All | Marengo County Commission | Local | Medium | Moderate |
| ½ | Continue to improve and maintain county road system | All | Marengo County Commission | Local/CDBG | Medium | Moderate |
| 1 | Prepare and implement standard operation procedures for drainage system maintenance | Flooding | Marengo County Commission | Local | Medium | Moderate |

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| 5 | Improve public warning systems | All | Marengo County Commission | Local/HMA | Medium | Moderate |
| 5 | Improve public access to weather alerts | All | Marengo County Commission | Local/HMA | Medium | Moderate |
| 6 | Use social media to provide information about the public about dangerous weather | All | Marengo County Commission | Local | Ongoing | High |
| 5 | Purchase emergency generators for post- disaster mitigation as needed. In particular for the Volunteer Fire Departments, schools, critical facilities Marengo County Courthouse, and all water and sewer facilities throughout Marengo County. | All | Marengo County Commission | Local/HMA | Medium | Moderate |
| 5 | Install an automated weather monitoring system that transmit data to the County EMA and the NWS, including all-weather stations, precipitation gauges, wind gauges, and temperature gauges | All | Marengo County Commission | Local | Medium | Moderate |
| 5 | Promote the use of weather radios in households and businesses. Purchase radios and distribute to the public. | All | Marengo County Commission | Local | Ongoing | High |
| 5/6 | Upgrade Critical Communication Infrastructure | All | Marengo County Commission | Local/HMA/AFG | Medium | Moderate |
| 5 | Continue to offer shelter to individuals and families affected by natural hazards. This includes opening public buildings during times of extreme heat. | All | Marengo County Commission | Local | Ongoing | High |
| 2 | Contact utilities in the event of natural hazard so they can inspect their infrastructure for damage | All | Marengo County Commission | Local | Ongoing | High |

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| 1 | Encourage jurisdictions to commit matches for grants dealing with mitigation | All | Marengo County EMA | Local | Ongoing | High |
| 4 | Seek weatherization funding for low income residents | All | Marengo County Commission | Local/CDBG/ Community Action | Medium | Moderate |
| 1 | Continue to maintain an inventory of critical facilities and contact information | All | Marengo County EMA | Local | Ongoing | High |
| 1 | Research procedures for keeping historical storm data with location, magnitude, and loss value for each event. | All | Marengo County EMA | Local | Medium | Moderate |

Action 31 from the 2015 plan was deleted due to it being redundant with action 28.

| Town of Dayton Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 6 | Maintain a centralized countywide natural hazards and risk assessment database in GIS that is accessible to all personnel including flood zones, geohazards, major drainage structures, dams/levees; tornado tracks | All | Marengo County EMA | Local/HMA | Medium | Moderate |
| 1 | Join the National Flood Insurance Program | Flooding | Town of Dayton Council | Local | Ongoing | High |
| 1 | Train local floodplain managers through programs offered at the State and Federal level. | Flooding | Marengo County EMA | Local | Ongoing | High |
| 6 | Maintain a library of technical assistance and guidance materials for local floodplain managers and use Marengo County EMA website for implementation | All | Marengo County EMA | Local | Medium | Moderate |
| 1 | Promote adoption of uniform flood hazard prevention ordinance among all the NFIP communities in Marengo County. | Flooding | Marengo County Floodplain Manager | Local | Ongoing | High |
| 1/6 | Acquire GIS software for maintaining risk assessment data | All | Marengo County EMA | Local/HMA | Medium | Moderate |
| 1 | Prepare and adopt a comprehensive plan | All | Town of Dayton Town Council | Local/CDBG | Medium | Moderate |
| 4 | Require the construction of Safe Rooms in new public buildings, such as new schools, libraries, community centers | High Winds | Town of Dayton Town Council | Local | Medium | Moderate |

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| | and other public buildings when feasible | | | | | |
| 4 | Construct freestanding Public Safe Rooms in existing vulnerable locations | High Winds | Town of Dayton Town Council | Local/HMA | Medium | Moderate |
| 1 | Apply for funding to update/revise mitigation plan when needed | All | Town of Dayton Town Council | Local/HMA | Medium | Moderate |
| 1 | Conduct special studies as needed to identify hazard risks and mitigation measures | All | Town of Dayton Town Council | Local/HMA | Medium | Moderate |
| 2 | Encourage retrofits of older homes constructed before the enactment of floodplain regulations | High Winds | Town of Dayton Town Council | Local | Medium | Moderate |
| 2 | Maintain insurance riders on existing properties | All | Town of Dayton Town Council | Local | Ongoing | High |
| 5 | Provide back-up power for critical facilities and fire stations | All | Town of Dayton Town Council | Local/HMA | Medium | Moderate |
| 1 | Promote good construction practices and proper code enforcement to eliminate most structural problems during natural hazard events | All | Town of Dayton Town Council | Local | Ongoing | High |
| 4 | Encourage the construction of safe rooms within new public buildings, such as new schools, libraries, community centers, and other public buildings where feasible. | High Winds | Town of Dayton Town Council | Local | Ongoing | High |
| 2 | Retrofit public schools and critical facilities with community Safe Rooms. | High Winds | Town of Dayton Town Council | Local/HMA | Medium | Moderate |
| 1/6 | Increase access to Flood Insurance Rate Maps. | Flooding | Town of Dayton Town Council | Local | Ongoing | High |

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| 6 | Promote the purchase of flood insurance coverage by property owners and renters in high-risk flooding areas. | Flooding | Town of Dayton Town Council | Local | Ongoing | High |
| 6 | Continue to send law enforcement and fire personnel to emergency response training | All | Town of Dayton Town Council | Local | Ongoing | High |
| 2 | Install water infrastructure and Fire hydrants in rural areas | Wildfire | Town of Dayton Town Council | Local/CDBG/USDA/ DRA | Medium | Moderate |
| 4 | Encourage the construction of safe rooms in new and existing construction. | High Winds | Town of Dayton Town Council | Local | Ongoing | High |
| 6 | Maintain appropriate media relationships to ensure the public is informed of hazard threats and means to mitigate property damages and loss of life. | All | Town of Dayton Town Council | Local | Medium | Moderate |
| 6 | Publicize the availability of FIRM information to real estate agents, builders, developers, and homeowners through local trade publications and newspaper announcements. | Flooding | Town of Dayton Town Council | Local | Medium | Moderate |
| 6 | Conduct regular public meetings of hazards and mitigation measures | All | Town of Dayton Town Council | Local | Ongoing | High |
| 3 | Maintain a healthy forest that can help mitigation the damaging impacts of flooding, erosion, landslides, and wildfires within urban and rural areas | Wildfire | Town of Dayton Town Council | Local/USDA | Medium | Moderate |
| 3 | Seek technical assistance through the Alabama Cooperative Extension System and/or the Alabama Forestry Commission with Best Management Practices (BMPs) for channel and drainage system maintenance. | Flooding | Town of Dayton Town Council | Local | Medium | Moderate |

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| 3 | Enact and enforce dumping regulations | All | Town of Dayton Town Council | Local | Medium | Moderate |
| 3 | Enact and enforce erosion and sedimentation control regulations | Flooding | Town of Dayton Town Council | Local | Medium | Moderate |
| 3 | Encourage land acquisition programs to acquire habitat throughout Marengo County | All | Town of Dayton Town Council | Local | Medium | Moderate |
| 3 | Improve maintenance programs for streams and drainage ways. | Flooding | Town of Dayton Town Council | Local | Medium | Moderate |
| 4 | Implement drainage improvement in watersheds throughout Marengo County | Flooding | Town of Dayton Town Council | Local/HMA/CDBG | Medium | Moderate |
| 2 | Continue to clear debris from roads and drainage ways | All | Town of Dayton Town Council | Local | Medium | Moderate |
| ½ | Continue to improve and maintain town road system | All | Town of Dayton Town Council | Local/CDBG | Medium | Moderate |
| 1 | Prepare and implement standard operation procedures for drainage system maintenance | Flooding | Town of Dayton Town Council | Local | Medium | Moderate |
| 5 | Improve public warning systems | All | Town of Dayton Town Council | Local/HMA | Medium | Moderate |
| 5 | Improve public access to weather alerts | All | Town of Dayton Town Council | Local/HMA | Medium | Moderate |
| 6 | Use social media to provide information about the public about dangerous weather | All | Town of Dayton Town Council | Local | Ongoing | High |
| 5 | Purchase emergency generators for post- disaster mitigation as needed. In particular for the Volunteer Fire Departments, schools, critical facilities Marengo County Courthouse, and all water and sewer facilities throughout | All | Town of Dayton Town Council | Local/HMA | Medium | Moderate |

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| | Marengo County. | | | | | |
| 5 | Install an automated weather monitoring system that transmit data to the County EMA and the NWS, including all-weather stations, precipitation gauges, wind gauges, and temperature gauges | All | Town of Dayton Town Council | Local | Medium | Moderate |
| 5 | Promote the use of weather radios in households and businesses. Purchase radios and distribute to the public. | All | Town of Dayton Town Council | Local | Ongoing | High |
| 5/6 | Upgrade Critical Communication Infrastructure | All | Town of Dayton Town Council | Local/HMA/AFG | Medium | Moderate |

Action 31 from the 2015 plan was deleted due to it being redundant with action 28.

| City of Demopolis Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 6 | Maintain a centralized countywide natural hazards and risk assessment database in GIS that is accessible to all personnel including flood zones, geohazards, major drainage structures, dams/levees; tornado tracks | All | Marengo County EMA | Local/HMA | Medium | Moderate |
| 1 | Effectively administer and enforce local floodplain management regulations along with enforcement of International Building Codes, zoning ordinance and subdivision regulations | Flooding | City of Demopolis Floodplain Manager | Local | Ongoing | High |
| 1 | Train local floodplain managers through programs offered at the State and Federal level. | Flooding | Marengo County EMA | Local | Ongoing | High |
| 1 | The participating community has adopted and enforces floodplain management ordinances that meet or exceed the minimum requirements of the NFIP. These requirements are intended to prevent loss of life and property and reduce taxpayer costs for disaster relief, as well as minimize economic and social hardships that result from flooding. | Flooding | City of Demopolis Floodplain Manager | Local | Ongoing | High |
| 6 | Maintain a library of technical assistance and guidance materials for local floodplain managers and use Marengo County EMA website for implementation | All | Marengo County EMA | Local | Medium | Moderate |

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| 1 | Promote adoption of uniform flood hazard prevention ordinance among all the NFIP communities in Marengo County. | Flooding | Marengo County Floodplain Manager | Local | Ongoing | High |
| 1/6 | Acquire GIS software for maintaining risk assessment data | All | Marengo County EMA | Local/HMA | Medium | Moderate |
| 1 | Prepare and adopt a comprehensive plan | All | City of Demopolis City Council | Local/CDBG | Medium | Moderate |
| 4 | Require the construction of Safe Rooms in new public buildings, such as new schools, libraries, community centers and other public buildings when feasible | High Winds | City of Demopolis City Council | Local | Medium | Moderate |
| 4 | Construct freestanding Public Safe Rooms in existing vulnerable locations | High Winds | City of Demopolis City Council | Local/HMA | Medium | Moderate |
| 1 | Apply for funding to update/revise mitigation plan when needed | All | City of Demopolis City Council | Local/HMA | Medium | Moderate |
| 1 | Conduct special studies as needed to identify hazard risks and mitigation measures | All | City of Demopolis City Council | Local/HMA | Medium | Moderate |
| 2 | Encourage retrofits of older homes constructed before the enactment of floodplain regulations | High Winds | City of Demopolis City Council | Local | Medium | Moderate |
| 2 | Maintain insurance riders on existing properties | All | City of Demopolis City Council | Local | Ongoing | High |
| 5 | Provide back-up power for critical facilities and fire stations | All | City of Demopolis City Council | Local/HMA | Medium | Moderate |
| 1 | Promote good construction practices and proper code enforcement to | All | City of Demopolis City Council | Local | Ongoing | High |

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| | eliminate most structural problems during natural hazard events | | | | | |
| 4 | Encourage the construction of safe rooms within new public buildings, such as new schools, libraries, community centers, and other public buildings where feasible. | High Winds | City of Demopolis City Council | Local | Ongoing | High |
| 2 | Retrofit public schools and critical facilities with community Safe Rooms. | High Winds | City of Demopolis City Council | Local/HMA | Medium | Moderate |
| 1/6 | Increase access to Flood Insurance Rate Maps. | Flooding | City of Demopolis Floodplain Manager | Local | Ongoing | High |
| 6 | Promote the purchase of flood insurance coverage by property owners and renters in high-risk flooding areas. | Flooding | City of Demopolis City Council | Local | Ongoing | High |
| 6 | Continue to send law enforcement and fire personnel to emergency response training | All | City of Demopolis City Council | Local | Ongoing | High |
| 2 | Install water infrastructure and Fire hydrants in rural areas | Wildfire | City of Demopolis City Council | Local/CDBG/USDA/ DRA | Medium | Moderate |
| 4 | Encourage the construction of safe rooms in new and existing construction. | High Winds | City of Demopolis City Council | Local | Ongoing | High |
| 6 | Maintain appropriate media relationships to ensure the public is informed of hazard threats and means to mitigate property damages and loss of life. | All | City of Demopolis City Council | Local | Medium | Moderate |
| 6 | Publicize the availability of FIRM information to real estate agents, builders, developers, and homeowners through local trade publications and | Flooding | City of Demopolis City Council | Local | Medium | Moderate |

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| | newspaper announcements. | | | | | |
| 6 | Conduct regular public meetings of hazards and mitigation measures | All | City of Demopolis City Council | Local | Ongoing | High |
| 3 | Maintain a healthy forest that can help mitigation the damaging impacts of flooding, erosion, landslides, and wildfires within urban and rural areas | Wildfire | City of Demopolis City Council | Local/USDA | Medium | Moderate |
| 3 | Seek technical assistance through the Alabama Cooperative Extension System and/or the Alabama Forestry Commission with Best Management Practices (BMPs) for channel and drainage system maintenance. | Flooding | City of Demopolis City Council | Local | Medium | Moderate |
| 3 | Enact and enforce dumping regulations | All | City of Demopolis City Council | Local | Medium | Moderate |
| 3 | Enact and enforce erosion and sedimentation control regulations | Flooding | City of Demopolis City Council | Local | Medium | Moderate |
| 3 | Encourage land acquisition programs to acquire habitat throughout Marengo County | All | City of Demopolis City Council | Local | Medium | Moderate |
| 3 | Improve maintenance programs for streams and drainage ways. | Flooding | City of Demopolis City Council | Local | Medium | Moderate |
| 4 | Implement drainage improvement in watersheds throughout Marengo County | Flooding | City of Demopolis City Council | Local/HMA/CDBG | Medium | Moderate |
| 2 | Continue to clear debris from roads and drainage ways | All | City of Demopolis City Council | Local | Medium | Moderate |
| ½ | Continue to improve and maintain city road system | All | City of Demopolis City Council | Local/CDBG | Medium | Moderate |
| 1 | Prepare and implement standard operation procedures for drainage system maintenance | Flooding | City of Demopolis City Council | Local | Medium | Moderate |

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|---|---|---|---|---|---|---|
| 5 | Improve public warning systems | All | City of Demopolis City Council | Local/HMA | Medium | Moderate |
| 5 | Improve public access to weather alerts | All | City of Demopolis City Council | Local/HMA | Medium | Moderate |
| 6 | Use social media to provide information about the public about dangerous weather | All | City of Demopolis City Council | Local | Ongoing | High |
| 5 | Purchase emergency generators for post- disaster mitigation as needed. In particular for the Volunteer Fire Departments, schools, critical facilities Marengo County Courthouse, and all water and sewer facilities throughout Marengo County. | All | City of Demopolis City Council | Local/HMA | Medium | Moderate |
| 5 | Install an automated weather monitoring system that transmit data to the County EMA and the NWS, including all-weather stations, precipitation gauges, wind gauges, and temperature gauges | All | City of Demopolis City Council | Local | Medium | Moderate |
| 5 | Promote the use of weather radios in households and businesses. Purchase radios and distribute to the public. | All | City of Demopolis City Council | Local | Ongoing | High |
| 5/6 | Upgrade Critical Communication Infrastructure | All | City of Demopolis City Council | Local/HMA/AFG | Medium | Moderate |

Action 31 from the 2015 plan was deleted due to it being redundant with action 28.

The City of Demopolis compelted a CDBG drainage project in the Brickyard Community within the last five years, the approximate cost of this project was $500,000.

| Town of Faunsdale Mitigation Action Plan | | | | | | |
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| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 6 | Maintain a centralized countywide natural hazards and risk assessment database in GIS that is accessible to all personnel including flood zones, geohazards, major drainage structures, dams/levees; tornado tracks | All | Marengo County EMA | Local/HMA | Medium | Moderate |
| 6 | Provide information to the public about flooding safety. | Flooding | Town of Faunsdale Town Council | Local | Medium | Moderate |
| 6 | Maintain a library of technical assistance and guidance materials for local floodplain managers and use Marengo County EMA website for implementation | All | Marengo County EMA | Local | Medium | Moderate |
| 1 | Promote adoption of uniform flood hazard prevention ordinance among all the NFIP communities in Marengo County. | Flooding | Marengo County Floodplain Manager | Local | Ongoing | High |
| 1/6 | Acquire GIS software for maintaining risk assessment data | All | Marengo County EMA | Local/HMA | Medium | Moderate |
| 1 | Prepare and adopt a comprehensive plan | All | Town of Faunsdale Town Council | Local/CDBG | Medium | Moderate |
| 4 | Require the construction of Safe Rooms in new public buildings, such as new schools, libraries, community centers and other public buildings when feasible | High Winds | Town of Faunsdale Town Council | Local | Medium | Moderate |

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| 4 | Construct freestanding Public Safe Rooms in existing vulnerable locations | High Winds | Town of Faunsdale Town Council | Local/HMA | Medium | Moderate |
| 1 | Apply for funding to update/revise mitigation plan when needed | All | Town of Faunsdale Town Council | Local/HMA | Medium | Moderate |
| 1 | Conduct special studies as needed to identify hazard risks and mitigation measures | All | Town of Faunsdale Town Council | Local/HMA | Medium | Moderate |
| 2 | Encourage retrofits of older homes constructed before the enactment of floodplain regulations | High Winds | Town of Faunsdale Town Council | Local | Medium | Moderate |
| 2 | Maintain insurance riders on existing properties | All | Town of Faunsdale Town Council | Local | Ongoing | High |
| 5 | Provide back-up power for critical facilities and fire stations | All | Town of Faunsdale Town Council | Local/HMA | Medium | Moderate |
| 1 | Promote good construction practices and proper code enforcement to eliminate most structural problems during natural hazard events | All | Town of Faunsdale Town Council | Local | Ongoing | High |
| 4 | Encourage the construction of safe rooms within new public buildings, such as new schools, libraries, community centers, and other public buildings where feasible. | High Winds | Town of Faunsdale Town Council | Local | Ongoing | High |
| 2 | Retrofit public schools and critical facilities with community Safe Rooms. | High Winds | Town of Faunsdale Town Council | Local/HMA | Medium | Moderate |
| 1/6 | Increase access to Flood Insurance Rate Maps. | Flooding | Town of Faunsdale Town Council | Local | Ongoing | High |

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| 6 | Promote the purchase of flood insurance coverage by property owners and renters in high-risk flooding areas. | Flooding | Town of Faunsdale Town Council | Local | Ongoing | High |
| 6 | Continue to send law enforcement and fire personnel to emergency response training | All | Town of Faunsdale Town Council | Local | Ongoing | High |
| 2 | Install water infrastructure and Fire hydrants in rural areas | Wildfire | Town of Faunsdale Town Council | Local/CDBG/USDA/ DRA | Medium | Moderate |
| 4 | Encourage the construction of safe rooms in new and existing construction. | High Winds | Town of Faunsdale Town Council | Local | Ongoing | High |
| 6 | Maintain appropriate media relationships to ensure the public is informed of hazard threats and means to mitigate property damages and loss of life. | All | Town of Faunsdale Town Council | Local | Medium | Moderate |
| 6 | Publicize the availability of FIRM information to real estate agents, builders, developers, and homeowners through local trade publications and newspaper announcements. | Flooding | Town of Faunsdale Town Council | Local | Medium | Moderate |
| 6 | Conduct regular public meetings of hazards and mitigation measures | All | Town of Faunsdale Town Council | Local | Ongoing | High |
| 3 | Maintain a healthy forest that can help mitigation the damaging impacts of flooding, erosion, landslides, and wildfires within urban and rural areas | Wildfire | Town of Faunsdale Town Council | Local/USDA | Medium | Moderate |
| 3 | Seek technical assistance through the Alabama Cooperative Extension System and/or the Alabama Forestry Commission with Best Management Practices (BMPs) for channel and drainage system maintenance. | Flooding | Town of Faunsdale Town Council | Local | Medium | Moderate |

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| 3 | Enact and enforce dumping regulations | All | Town of Faunsdale Town Council | Local | Medium | Moderate |
| 3 | Enact and enforce erosion and sedimentation control regulations | Flooding | Town of Faunsdale Town Council | Local | Medium | Moderate |
| 3 | Encourage land acquisition programs to acquire habitat throughout Marengo County | All | Town of Faunsdale Town Council | Local | Medium | Moderate |
| 3 | Improve maintenance programs for streams and drainage ways. | Flooding | Town of Faunsdale Town Council | Local | Medium | Moderate |
| 4 | Implement drainage improvement in watersheds throughout Marengo County | Flooding | Town of Faunsdale Town Council | Local/HMA/CDBG | Medium | Moderate |
| 2 | Continue to clear debris from roads and drainage ways | All | Town of Faunsdale Town Council | Local | Medium | Moderate |
| ½ | Continue to improve and maintain town road system | All | Town of Faunsdale Town Council | Local/CDBG | Medium | Moderate |
| 1 | Prepare and implement standard operation procedures for drainage system maintenance | Flooding | Town of Faunsdale Town Council | Local | Medium | Moderate |
| 5 | Improve public warning systems | All | Town of Faunsdale Town Council | Local/HMA | Medium | Moderate |
| 5 | Improve public access to weather alerts | All | Town of Faunsdale Town Council | Local/HMA | Medium | Moderate |
| 6 | Use social media to provide information about the public about dangerous weather | All | Town of Faunsdale Town Council | Local | Ongoing | High |
| 5 | Purchase emergency generators for post- disaster mitigation as needed. In particular for the Volunteer Fire Departments, schools, critical facilities Marengo County Courthouse, and all water and sewer facilities throughout | All | Town of Faunsdale Town Council | Local/HMA | Medium | Moderate |

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| | Marengo County. | | | | | |
| 5 | Install an automated weather monitoring system that transmit data to the County EMA and the NWS, including all-weather stations, precipitation gauges, wind gauges, and temperature gauges | All | Town of Faunsdale Town Council | Local | Medium | Moderate |
| 5 | Promote the use of weather radios in households and businesses. Purchase radios and distribute to the public. | All | Town of Faunsdale Town Council | Local | Ongoing | High |
| 5/6 | Upgrade Critical Communication Infrastructure | All | Town of Faunsdale Town Council | Local/HMA/AFG | Medium | Moderate |

Action 31 from the 2015 plan was deleted due to it being redundant with action 28.

| City of Linden Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 6 | Maintain a centralized countywide natural hazards and risk assessment database in GIS that is accessible to all personnel including flood zones, geohazards, major drainage structures, dams/levees; tornado tracks | All | Marengo County EMA | Local/HMA | Medium | Moderate |
| 1 | Effectively administer and enforce local floodplain management regulations along with enforcement of International Building Codes, zoning ordinance and subdivision regulations | Flooding | City of Linden Floodplain Manager | Local | Ongoing | High |
| 1 | Train local floodplain managers through programs offered at the State and Federal level. | Flooding | Marengo County EMA | Local | Ongoing | High |
| 1 | The participating community has adopted and enforces floodplain management ordinances that meet or exceed the minimum requirements of the NFIP. These requirements are intended to prevent loss of life and property and reduce taxpayer costs for disaster relief, as well as minimize economic and social hardships that result from flooding. | Flooding | City of Linden Floodplain Manager | Local | Ongoing | High |
| 6 | Maintain a library of technical assistance and guidance materials for local floodplain managers and use Marengo County EMA website for implementation | All | Marengo County EMA | Local | Medium | Moderate |

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| 1 | Promote adoption of uniform flood hazard prevention ordinance among all the NFIP communities in Marengo County. | Flooding | Marengo County Floodplain Manager | Local | Ongoing | High |
| 1/6 | Acquire GIS software for maintaining risk assessment data | All | Marengo County EMA | Local/HMA | Medium | Moderate |
| 1 | Prepare and adopt a comprehensive plan | All | City of Linden City Council | Local/CDBG | Medium | Moderate |
| 4 | Require the construction of Safe Rooms in new public buildings, such as new schools, libraries, community centers and other public buildings when feasible | High Winds | City of Linden City Council | Local | Medium | Moderate |
| 4 | Construct freestanding Public Safe Rooms in existing vulnerable locations | High Winds | City of Linden City Council | Local/HMA | Medium | Moderate |
| 1 | Apply for funding to update/revise mitigation plan when needed | All | City of Linden City Council | Local/HMA | Medium | Moderate |
| 1 | Conduct special studies as needed to identify hazard risks and mitigation measures | All | City of Linden City Council | Local/HMA | Medium | Moderate |
| 2 | Encourage retrofits of older homes constructed before the enactment of floodplain regulations | High Winds | City of Linden City Council | Local | Medium | Moderate |
| 2 | Maintain insurance riders on existing properties | All | City of Linden City Council | Local | Ongoing | High |
| 5 | Provide back-up power for critical facilities and fire stations | All | City of Linden City Council | Local/HMA | Medium | Moderate |
| 1 | Promote good construction practices and proper code enforcement to | All | City of Linden City Council | Local | Ongoing | High |

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| | eliminate most structural problems during natural hazard events | | | | | |
| 4 | Encourage the construction of safe rooms within new public buildings, such as new schools, libraries, community centers, and other public buildings where feasible. | High Winds | City of Linden City Council | Local | Ongoing | High |
| 2 | Retrofit public schools and critical facilities with community Safe Rooms. | High Winds | City of Linden City Council | Local/HMA | Medium | Moderate |
| 1/6 | Increase access to Flood Insurance Rate Maps. | Flooding | City of Linden Floodplain Manager | Local | Ongoing | High |
| 6 | Promote the purchase of flood insurance coverage by property owners and renters in high-risk flooding areas. | Flooding | City of Linden City Council | Local | Ongoing | High |
| 6 | Continue to send law enforcement and fire personnel to emergency response training | All | City of Linden City Council | Local | Ongoing | High |
| 2 | Install water infrastructure and Fire hydrants in rural areas | Wildfire | City of Linden City Council | Local/CDBG/USDA/ DRA | Medium | Moderate |
| 4 | Encourage the construction of safe rooms in new and existing construction. | High Winds | City of Linden City Council | Local | Ongoing | High |
| 6 | Maintain appropriate media relationships to ensure the public is informed of hazard threats and means to mitigate property damages and loss of life. | All | City of Linden City Council | Local | Medium | Moderate |
| 6 | Publicize the availability of FIRM information to real estate agents, builders, developers, and homeowners through local trade publications and | Flooding | City of Linden City Council | Local | Medium | Moderate |

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| | newspaper announcements. | | | | | |
| 6 | Conduct regular public meetings of hazards and mitigation measures | All | City of Linden City Council | Local | Ongoing | High |
| 3 | Maintain a healthy forest that can help mitigation the damaging impacts of flooding, erosion, landslides, and wildfires within urban and rural areas | Wildfire | City of Linden City Council | Local/USDA | Medium | Moderate |
| 3 | Seek technical assistance through the Alabama Cooperative Extension System and/or the Alabama Forestry Commission with Best Management Practices (BMPs) for channel and drainage system maintenance. | Flooding | City of Linden City Council | Local | Medium | Moderate |
| 3 | Enact and enforce dumping regulations | All | City of Linden City Council | Local | Medium | Moderate |
| 3 | Enact and enforce erosion and sedimentation control regulations | Flooding | City of Linden City Council | Local | Medium | Moderate |
| 3 | Encourage land acquisition programs to acquire habitat throughout Marengo County | All | City of Linden City Council | Local | Medium | Moderate |
| 3 | Improve maintenance programs for streams and drainage ways. | Flooding | City of Linden City Council | Local | Medium | Moderate |
| 4 | Implement drainage improvement in watersheds throughout Marengo County | Flooding | City of Linden City Council | Local/HMA/CDBG | Medium | Moderate |
| 2 | Continue to clear debris from roads and drainage ways | All | City of Linden City Council | Local | Medium | Moderate |
| ½ | Continue to improve and maintain city road system | All | City of Linden City Council | Local/CDBG | Medium | Moderate |
| 1 | Prepare and implement standard operation procedures for drainage system maintenance | Flooding | City of Linden City Council | Local | Medium | Moderate |

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| 5 | Improve public warning systems | All | City of Linden City Council | Local/HMA | Medium | Moderate |
| 5 | Improve public access to weather alerts | All | City of Linden City Council | Local/HMA | Medium | Moderate |
| 6 | Use social media to provide information about the public about dangerous weather | All | City of Linden City Council | Local | Ongoing | High |
| 5 | Purchase emergency generators for post- disaster mitigation as needed. In particular for the Volunteer Fire Departments, schools, critical facilities Marengo County Courthouse, and all water and sewer facilities throughout Marengo County. | All | City of Linden City Council | Local/HMA | Medium | Moderate |
| 5 | Install an automated weather monitoring system that transmit data to the County EMA and the NWS, including all-weather stations, precipitation gauges, wind gauges, and temperature gauges | All | City of Linden City Council | Local | Medium | Moderate |
| 5 | Promote the use of weather radios in households and businesses. Purchase radios and distribute to the public. | All | City of Linden City Council | Local | Ongoing | High |
| 5/6 | Upgrade Critical Communication Infrastructure | All | City of Linden City Council | Local/HMA/AFG | Medium | Moderate |

Action 31 from the 2015 plan was deleted due to it being redundant with action 28.

| Town of Myrtlewood Mitigation Action Plan | | | | | | |
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| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 6 | Maintain a centralized countywide natural hazards and risk assessment database in GIS that is accessible to all personnel including flood zones, geohazards, major drainage structures, dams/levees; tornado tracks | All | Marengo County EMA | Local/HMA | Medium | Moderate |
| 1 | Provide information to the public about flooding safety. | Flooding | Town of Myrtlewood Town Council | Local | Ongoing | High |
| 1 | Train local floodplain managers through programs offered at the State and Federal level. | Flooding | Marengo County EMA | Local | Ongoing | High |
| 1 | The participating community has adopted and enforces floodplain management ordinances that meet or exceed the minimum requirements of the NFIP. These requirements are intended to prevent loss of life and property and reduce taxpayer costs for disaster relief, as well as minimize economic and social hardships that result from flooding. | Flooding | Town of Myrtlewood Floodplain Manager | Local | Ongoing | High |
| 6 | Maintain a library of technical assistance and guidance materials for local floodplain managers and use Marengo County EMA website for implementation | All | Marengo County EMA | Local | Medium | Moderate |
| 1 | Promote adoption of uniform flood hazard prevention ordinance among all the NFIP communities in Marengo County. | Flooding | Marengo County Floodplain Manager | Local | Ongoing | High |

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| 1/6 | Acquire GIS software for maintaining risk assessment data | All | Marengo County EMA | Local/HMA | Medium | Moderate |
| 1 | Prepare and adopt a comprehensive plan | All | Town of Myrtlewood Town Council | Local/CDBG | Medium | Moderate |
| 4 | Require the construction of Safe Rooms in new public buildings, such as new schools, libraries, community centers and other public buildings when feasible | High Winds | Town of Myrtlewood Town Council | Local | Medium | Moderate |
| 4 | Construct freestanding Public Safe Rooms in existing vulnerable locations | High Winds | Town of Myrtlewood Town Council | Local/HMA | Medium | Moderate |
| 1 | Apply for funding to update/revise mitigation plan when needed | All | Town of Myrtlewood Town Council | Local/HMA | Medium | Moderate |
| 1 | Conduct special studies as needed to identify hazard risks and mitigation measures | All | Town of Myrtlewood Town Council | Local/HMA | Medium | Moderate |
| 2 | Encourage retrofits of older homes constructed before the enactment of floodplain regulations | High Winds | Town of Myrtlewood Town Council | Local | Medium | Moderate |
| 2 | Maintain insurance riders on existing properties | All | Town of Myrtlewood Town Council | Local | Ongoing | High |
| 5 | Provide back-up power for critical facilities and fire stations | All | Town of Myrtlewood Town Council | Local/HMA | Medium | Moderate |
| 1 | Promote good construction practices and proper code enforcement to eliminate most structural problems during natural hazard events | All | Town of Myrtlewood Town Council | Local | Ongoing | High |

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| 4 | Encourage the construction of safe rooms within new public buildings, such as new schools, libraries, community centers, and other public buildings where feasible. | High Winds | Town of Myrtlewood Town Council | Local | Ongoing | High |
| 2 | Retrofit public schools and critical facilities with community Safe Rooms. | High Winds | Town of Myrtlewood Town Council | Local/HMA | Medium | Moderate |
| 1/6 | Increase access to Flood Insurance Rate Maps. | Flooding | Town of Myrtlewood Floodplain Manager | Local | Ongoing | High |
| 6 | Promote the purchase of flood insurance coverage by property owners and renters in high-risk flooding areas. | Flooding | Town of Myrtlewood Town Council | Local | Ongoing | High |
| 6 | Continue to send law enforcement and fire personnel to emergency response training | All | Town of Myrtlewood Town Council | Local | Ongoing | High |
| 2 | Install water infrastructure and Fire hydrants in rural areas | Wildfire | Town of Myrtlewood Town Council | Local/CDBG/USDA/ DRA | Medium | Moderate |
| 4 | Encourage the construction of safe rooms in new and existing construction. | High Winds | Town of Myrtlewood Town Council | Local | Ongoing | High |
| 6 | Maintain appropriate media relationships to ensure the public is informed of hazard threats and means to mitigate property damages and loss of life. | All | Town of Myrtlewood Town Council | Local | Medium | Moderate |
| 6 | Publicize the availability of FIRM information to real estate agents, builders, developers, and homeowners through local trade publications and newspaper announcements. | Flooding | Town of Myrtlewood Town Council | Local | Medium | Moderate |

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| 6 | Conduct regular public meetings of hazards and mitigation measures | All | Town of Myrtlewood Town Council | Local | Ongoing | High |
| 3 | Maintain a healthy forest that can help mitigation the damaging impacts of flooding, erosion, landslides, and wildfires within urban and rural areas | Wildfire | Town of Myrtlewood Town Council | Local/USDA | Medium | Moderate |
| 3 | Seek technical assistance through the Alabama Cooperative Extension System and/or the Alabama Forestry Commission with Best Management Practices (BMPs) for channel and drainage system maintenance. | Flooding | Town of Myrtlewood Town Council | Local | Medium | Moderate |
| 3 | Enact and enforce dumping regulations | All | Town of Myrtlewood Town Council | Local | Medium | Moderate |
| 3 | Enact and enforce erosion and sedimentation control regulations | Flooding | Town of Myrtlewood Town Council | Local | Medium | Moderate |
| 3 | Encourage land acquisition programs to acquire habitat throughout Marengo County | All | Town of Myrtlewood Town Council | Local | Medium | Moderate |
| 3 | Improve maintenance programs for streams and drainage ways. | Flooding | Town of Myrtlewood Town Council | Local | Medium | Moderate |
| 4 | Implement drainage improvement in watersheds throughout Marengo County | Flooding | Town of Myrtlewood Town Council | Local/HMA/CDBG | Medium | Moderate |
| 2 | Continue to clear debris from roads and drainage ways | All | Town of Myrtlewood Town Council | Local | Medium | Moderate |
| ½ | Continue to improve and maintain Town road system | All | Town of Myrtlewood Town Council | Local/CDBG | Medium | Moderate |
| 1 | Prepare and implement standard operation procedures for drainage system maintenance | Flooding | Town of Myrtlewood Town Council | Local | Medium | Moderate |

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| 5 | Improve public warning systems | All | Town of Myrtlewood Town Council | Local/HMA | Medium | Moderate |
| 5 | Improve public access to weather alerts | All | Town of Myrtlewood Town Council | Local/HMA | Medium | Moderate |
| 6 | Use social media to provide information about the public about dangerous weather | All | Town of Myrtlewood Town Council | Local | Ongoing | High |
| 5 | Purchase emergency generators for post- disaster mitigation as needed. In particular for the Volunteer Fire Departments, schools, critical facilities Marengo County Courthouse, and all water and sewer facilities throughout Marengo County. | All | Town of Myrtlewood Town Council | Local/HMA | Medium | Moderate |
| 5 | Install an automated weather monitoring system that transmit data to the County EMA and the NWS, including all-weather stations, precipitation gauges, wind gauges, and temperature gauges | All | Town of Myrtlewood Town Council | Local | Medium | Moderate |
| 5 | Promote the use of weather radios in households and businesses. Purchase radios and distribute to the public. | All | Town of Myrtlewood Town Council | Local | Ongoing | High |
| 5/6 | Upgrade Critical Communication Infrastructure | All | Town of Myrtlewood Town Council | Local/HMA/AFG | Medium | Moderate |

Action 31 from the 2015 plan was deleted due to it being redundant with action 28.

| Town of Providence Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 6 | Maintain a centralized countywide natural hazards and risk assessment database in GIS that is accessible to all personnel including flood zones, geohazards, major drainage structures, dams/levees; tornado tracks | All | Marengo County EMA | Local/HMA | Medium | Moderate |
| 1 | Continue participation in the National Flood Insurance Program | Flooding | Town of Providence Floodplain Manager | Local | Ongoing | High |
| 1 | Train local floodplain managers through programs offered at the State and Federal level. | Flooding | Marengo County EMA | Local | Ongoing | High |
| 1 | The participating community has adopted and enforces floodplain management ordinances that meet or exceed the minimum requirements of the NFIP. These requirements are intended to prevent loss of life and property and reduce taxpayer costs for disaster relief, as well as minimize economic and social hardships that result from flooding. | Flooding | Town of Providence Floodplain Manager | Local | Ongoing | High |
| 6 | Maintain a library of technical assistance and guidance materials for local floodplain managers and use Marengo County EMA website for implementation | All | Marengo County EMA | Local | Medium | Moderate |
| 1 | Promote adoption of uniform flood hazard prevention ordinance among all the NFIP communities in Marengo County. | Flooding | Marengo County Floodplain Manager | Local | Ongoing | High |

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| 1/6 | Acquire GIS software for maintaining risk assessment data | All | Marengo County EMA | Local/HMA | Medium | Moderate |
| 1 | Prepare and adopt a comprehensive plan | All | Town of Providence Town Council | Local/CDBG | Medium | Moderate |
| 4 | Require the construction of Safe Rooms in new public buildings, such as new schools, libraries, community centers and other public buildings when feasible | High Winds | Town of Providence Town Council | Local | Medium | Moderate |
| 4 | Construct freestanding Public Safe Rooms in existing vulnerable locations | High Winds | Town of Providence Town Council | Local/HMA | Medium | Moderate |
| 1 | Apply for funding to update/revise mitigation plan when needed | All | Town of Providence Town Council | Local/HMA | Medium | Moderate |
| 1 | Conduct special studies as needed to identify hazard risks and mitigation measures | All | Town of Providence Town Council | Local/HMA | Medium | Moderate |
| 2 | Encourage retrofits of older homes constructed before the enactment of floodplain regulations | High Winds | Town of Providence Town Council | Local | Medium | Moderate |
| 2 | Maintain insurance riders on existing properties | All | Town of Providence Town Council | Local | Ongoing | High |
| 5 | Provide back-up power for critical facilities and fire stations | All | Town of Providence Town Council | Local/HMA | Medium | Moderate |
| 1 | Promote good construction practices and proper code enforcement to eliminate most structural problems during natural hazard events | All | Town of Providence Town Council | Local | Ongoing | High |

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| 4 | Encourage the construction of safe rooms within new public buildings, such as new schools, libraries, community centers, and other public buildings where feasible. | High Winds | Town of Providence Town Council | Local | Ongoing | High |
| 2 | Retrofit public schools and critical facilities with community Safe Rooms. | High Winds | Town of Providence Town Council | Local/HMA | Medium | Moderate |
| 1/6 | Increase access to Flood Insurance Rate Maps. | Flooding | Town of Providence Floodplain Manager | Local | Ongoing | High |
| 6 | Promote the purchase of flood insurance coverage by property owners and renters in high-risk flooding areas. | Flooding | Town of Providence Town Council | Local | Ongoing | High |
| 6 | Continue to send law enforcement and fire personnel to emergency response training | All | Town of Providence Town Council | Local | Ongoing | High |
| 2 | Install water infrastructure and Fire hydrants in rural areas | Wildfire | Town of Providence Town Council | Local/CDBG/USDA/ DRA | Medium | Moderate |
| 4 | Encourage the construction of safe rooms in new and existing construction. | High Winds | Town of Providence Town Council | Local | Ongoing | High |
| 6 | Maintain appropriate media relationships to ensure the public is informed of hazard threats and means to mitigate property damages and loss of life. | All | Town of Providence Town Council | Local | Medium | Moderate |
| 6 | Publicize the availability of FIRM information to real estate agents, builders, developers, and homeowners through local trade publications and newspaper announcements. | Flooding | Town of Providence Town Council | Local | Medium | Moderate |

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| 6 | Conduct regular public meetings of hazards and mitigation measures | All | Town of Providence Town Council | Local | Ongoing | High |
| 3 | Maintain a healthy forest that can help mitigation the damaging impacts of flooding, erosion, landslides, and wildfires within urban and rural areas | Wildfire | Town of Providence Town Council | Local/USDA | Medium | Moderate |
| 3 | Seek technical assistance through the Alabama Cooperative Extension System and/or the Alabama Forestry Commission with Best Management Practices (BMPs) for channel and drainage system maintenance. | Flooding | Town of Providence Town Council | Local | Medium | Moderate |
| 3 | Enact and enforce dumping regulations | All | Town of Providence Town Council | Local | Medium | Moderate |
| 3 | Enact and enforce erosion and sedimentation control regulations | Flooding | Town of Providence Town Council | Local | Medium | Moderate |
| 3 | Encourage land acquisition programs to acquire habitat throughout Marengo County | All | Town of Providence Town Council | Local | Medium | Moderate |
| 3 | Improve maintenance programs for streams and drainage ways. | Flooding | Town of Providence Town Council | Local | Medium | Moderate |
| 4 | Implement drainage improvement in watersheds throughout Marengo County | Flooding | Town of Providence Town Council | Local/HMA/CDBG | Medium | Moderate |
| 2 | Continue to clear debris from roads and drainage ways | All | Town of Providence Town Council | Local | Medium | Moderate |
| ½ | Continue to improve and maintain Town road system | All | Town of Providence Town Council | Local/CDBG | Medium | Moderate |
| 1 | Prepare and implement standard operation procedures for drainage system maintenance | Flooding | Town of Providence Town Council | Local | Medium | Moderate |

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| 5 | Improve public warning systems | All | Town of Providence Town Council | Local/HMA | Medium | Moderate |
| 5 | Improve public access to weather alerts | All | Town of Providence Town Council | Local/HMA | Medium | Moderate |
| 6 | Use social media to provide information about the public about dangerous weather | All | Town of Providence Town Council | Local | Ongoing | High |
| 5 | Purchase emergency generators for post- disaster mitigation as needed. In particular for the Volunteer Fire Departments, schools, critical facilities Marengo County Courthouse, and all water and sewer facilities throughout Marengo County. | All | Town of Providence Town Council | Local/HMA | Medium | Moderate |
| 5 | Install an automated weather monitoring system that transmit data to the County EMA and the NWS, including all-weather stations, precipitation gauges, wind gauges, and temperature gauges | All | Town of Providence Town Council | Local | Medium | Moderate |
| 5 | Promote the use of weather radios in households and businesses. Purchase radios and distribute to the public. | All | Town of Providence Town Council | Local | Ongoing | High |
| 5/6 | Upgrade Critical Communication Infrastructure | All | Town of Providence Town Council | Local/HMA/AFG | Medium | Moderate |

Action 31 from the 2015 plan was deleted due to it being redundant with action 28.

| Town of Sweet Water Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 6 | Maintain a centralized countywide natural hazards and risk assessment database in GIS that is accessible to all personnel including flood zones, geohazards, major drainage structures, dams/levees; tornado tracks | All | Marengo County EMA | Local/HMA | Medium | Moderate |
| 1 | Provide information to the public about flooding safety. | Flooding | Town of Sweet Water Town Council | Local | Ongoing | High |
| 1 | Train local floodplain managers through programs offered at the State and Federal level. | Flooding | Marengo County EMA | Local | Ongoing | High |
| 1 | The participating community has adopted and enforces floodplain management ordinances that meet or exceed the minimum requirements of the NFIP. These requirements are intended to prevent loss of life and property and reduce taxpayer costs for disaster relief, as well as minimize economic and social hardships that result from flooding. | Flooding | Town of Sweet Water Floodplain Manager | Local | Ongoing | High |
| 6 | Maintain a library of technical assistance and guidance materials for local floodplain managers and use Marengo County EMA website for implementation | All | Marengo County EMA | Local | Medium | Moderate |
| 1 | Promote adoption of uniform flood hazard prevention ordinance among all the NFIP communities in Marengo County. | Flooding | Marengo County Floodplain Manager | Local | Ongoing | High |

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|---|---|---|---|---|---|---|
| 1/6 | Acquire GIS software for maintaining risk assessment data | All | Marengo County EMA | Local/HMA | Medium | Moderate |
| 1 | Prepare and adopt a comprehensive plan | All | Town of Sweet Water Town Council | Local/CDBG | Medium | Moderate |
| 4 | Require the construction of Safe Rooms in new public buildings, such as new schools, libraries, community centers and other public buildings when feasible | High Winds | Town of Sweet Water Town Council | Local | Medium | Moderate |
| 4 | Construct freestanding Public Safe Rooms in existing vulnerable locations | High Winds | Town of Sweet Water Town Council | Local/HMA | Medium | Moderate |
| 1 | Apply for funding to update/revise mitigation plan when needed | All | Town of Sweet Water Town Council | Local/HMA | Medium | Moderate |
| 1 | Conduct special studies as needed to identify hazard risks and mitigation measures | All | Town of Sweet Water Town Council | Local/HMA | Medium | Moderate |
| 2 | Encourage retrofits of older homes constructed before the enactment of floodplain regulations | High Winds | Town of Sweet Water Town Council | Local | Medium | Moderate |
| 2 | Maintain insurance riders on existing properties | All | Town of Sweet Water Town Council | Local | Ongoing | High |
| 5 | Provide back-up power for critical facilities and fire stations | All | Town of Sweet Water Town Council | Local/HMA | Medium | Moderate |
| 1 | Promote good construction practices and proper code enforcement to eliminate most structural problems during natural hazard events | All | Town of Sweet Water Town Council | Local | Ongoing | High |

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|---|---|---|---|---|---|---|
| 4 | Encourage the construction of safe rooms within new public buildings, such as new schools, libraries, community centers, and other public buildings where feasible. | High Winds | Town of Sweet Water Town Council | Local | Ongoing | High |
| 2 | Retrofit public schools and critical facilities with community Safe Rooms. | High Winds | Town of Sweet Water Town Council | Local/HMA | Medium | Moderate |
| 1/6 | Increase access to Flood Insurance Rate Maps. | Flooding | Town of Sweet Water Floodplain Manager | Local | Ongoing | High |
| 6 | Promote the purchase of flood insurance coverage by property owners and renters in high-risk flooding areas. | Flooding | Town of Sweet Water Town Council | Local | Ongoing | High |
| 6 | Continue to send law enforcement and fire personnel to emergency response training | All | Town of Sweet Water Town Council | Local | Ongoing | High |
| 2 | Install water infrastructure and Fire hydrants in rural areas | Wildfire | Town of Sweet Water Town Council | Local/CDBG/USDA/ DRA | Medium | Moderate |
| 4 | Encourage the construction of safe rooms in new and existing construction. | High Winds | Town of Sweet Water Town Council | Local | Ongoing | High |
| 6 | Maintain appropriate media relationships to ensure the public is informed of hazard threats and means to mitigate property damages and loss of life. | All | Town of Sweet Water Town Council | Local | Medium | Moderate |
| 6 | Publicize the availability of FIRM information to real estate agents, builders, developers, and homeowners through local trade publications and newspaper announcements. | Flooding | Town of Sweet Water Town Council | Local | Medium | Moderate |

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|---|---|---|---|---|---|---|
| 6 | Conduct regular public meetings of hazards and mitigation measures | All | Town of Sweet Water Town Council | Local | Ongoing | High |
| 3 | Maintain a healthy forest that can help mitigation the damaging impacts of flooding, erosion, landslides, and wildfires within urban and rural areas | Wildfire | Town of Sweet Water Town Council | Local/USDA | Medium | Moderate |
| 3 | Seek technical assistance through the Alabama Cooperative Extension System and/or the Alabama Forestry Commission with Best Management Practices (BMPs) for channel and drainage system maintenance. | Flooding | Town of Sweet Water Town Council | Local | Medium | Moderate |
| 3 | Enact and enforce dumping regulations | All | Town of Sweet Water Town Council | Local | Medium | Moderate |
| 3 | Enact and enforce erosion and sedimentation control regulations | Flooding | Town of Sweet Water Town Council | Local | Medium | Moderate |
| 3 | Encourage land acquisition programs to acquire habitat throughout Marengo County | All | Town of Sweet Water Town Council | Local | Medium | Moderate |
| 3 | Improve maintenance programs for streams and drainage ways. | Flooding | Town of Sweet Water Town Council | Local | Medium | Moderate |
| 4 | Implement drainage improvement in watersheds throughout Marengo County | Flooding | Town of Sweet Water Town Council | Local/HMA/CDBG | Medium | Moderate |
| 2 | Continue to clear debris from roads and drainage ways | All | Town of Sweet Water Town Council | Local | Medium | Moderate |
| ½ | Continue to improve and maintain Town road system | All | Town of Sweet Water Town Council | Local/CDBG | Medium | Moderate |
| 1 | Prepare and implement standard operation procedures for drainage system maintenance | Flooding | Town of Sweet Water Town Council | Local | Medium | Moderate |

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|---|---|---|---|---|---|---|
| 5 | Improve public warning systems | All | Town of Sweet Water Town Council | Local/HMA | Medium | Moderate |
| 5 | Improve public access to weather alerts | All | Town of Sweet Water Town Council | Local/HMA | Medium | Moderate |
| 6 | Use social media to provide information about the public about dangerous weather | All | Town of Sweet Water Town Council | Local | Ongoing | High |
| 5 | Purchase emergency generators for post- disaster mitigation as needed. In particular for the Volunteer Fire Departments, schools, critical facilities Marengo County Courthouse, and all water and sewer facilities throughout Marengo County. | All | Town of Sweet Water Town Council | Local/HMA | Medium | Moderate |
| 5 | Install an automated weather monitoring system that transmit data to the County EMA and the NWS, including all-weather stations, precipitation gauges, wind gauges, and temperature gauges | All | Town of Sweet Water Town Council | Local | Medium | Moderate |
| 5 | Promote the use of weather radios in households and businesses. Purchase radios and distribute to the public. | All | Town of Sweet Water Town Council | Local | Ongoing | High |
| 5/6 | Upgrade Critical Communication Infrastructure | All | Town of Sweet Water Town Council | Local/HMA/AFG | Medium | Moderate |

Action 31 from the 2015 plan was deleted due to it being redundant with action 28.

| Town of Thomaston Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 6 | Maintain a centralized countywide natural hazards and risk assessment database in GIS that is accessible to all personnel including flood zones, geohazards, major drainage structures, dams/levees; tornado tracks | All | Marengo County EMA | Local/HMA | Medium | Moderate |
| 1 | Effectively administer and enforce local floodplain management regulations. | Flooding | Town of Thomaston Floodplain Manager | Local | Ongoing | High |
| 1 | Train local floodplain managers through programs offered at the State and Federal level. | Flooding | Marengo County EMA | Local | Ongoing | High |
| 1 | The participating community has adopted and enforces floodplain management ordinances that meet or exceed the minimum requirements of the NFIP. These requirements are intended to prevent loss of life and property and reduce taxpayer costs for disaster relief, as well as minimize economic and social hardships that result from flooding. | Flooding | Town of Thomaston Floodplain Manager | Local | Ongoing | High |
| 6 | Maintain a library of technical assistance and guidance materials for local floodplain managers and use Marengo County EMA website for implementation | All | Marengo County EMA | Local | Medium | Moderate |
| 1 | Promote adoption of uniform flood hazard prevention ordinance among all the NFIP communities in Marengo County. | Flooding | Marengo County Floodplain Manager | Local | Ongoing | High |

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|---|---|---|---|---|---|---|
| 1/6 | Acquire GIS software for maintaining risk assessment data | All | Marengo County EMA | Local/HMA | Medium | Moderate |
| 1 | Prepare and adopt a comprehensive plan | All | Town of Thomaston Town Council | Local/CDBG | Medium | Moderate |
| 4 | Require the construction of Safe Rooms in new public buildings, such as new schools, libraries, community centers and other public buildings when feasible | High Winds | Town of Thomaston Town Council | Local | Medium | Moderate |
| 4 | Construct freestanding Public Safe Rooms in existing vulnerable locations | High Winds | Town of Thomaston Town Council | Local/HMA | Medium | Moderate |
| 1 | Apply for funding to update/revise mitigation plan when needed | All | Town of Thomaston Town Council | Local/HMA | Medium | Moderate |
| 1 | Conduct special studies as needed to identify hazard risks and mitigation measures | All | Town of Thomaston Town Council | Local/HMA | Medium | Moderate |
| 2 | Encourage retrofits of older homes constructed before the enactment of floodplain regulations | High Winds | Town of Thomaston Town Council | Local | Medium | Moderate |
| 2 | Maintain insurance riders on existing properties | All | Town of Thomaston Town Council | Local | Ongoing | High |
| 5 | Provide back-up power for critical facilities and fire stations | All | Town of Thomaston Town Council | Local/HMA | Medium | Moderate |
| 1 | Promote good construction practices and proper code enforcement to eliminate most structural problems during natural hazard events | All | Town of Thomaston Town Council | Local | Ongoing | High |

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| 4 | Encourage the construction of safe rooms within new public buildings, such as new schools, libraries, community centers, and other public buildings where feasible. | High Winds | Town of Thomaston Town Council | Local | Ongoing | High |
| 2 | Retrofit public schools and critical facilities with community Safe Rooms. | High Winds | Town of Thomaston Town Council | Local/HMA | Medium | Moderate |
| 1/6 | Increase access to Flood Insurance Rate Maps. | Flooding | Town of Thomaston Floodplain Manager | Local | Ongoing | High |
| 6 | Promote the purchase of flood insurance coverage by property owners and renters in high-risk flooding areas. | Flooding | Town of Thomaston Town Council | Local | Ongoing | High |
| 6 | Continue to send law enforcement and fire personnel to emergency response training | All | Town of Thomaston Town Council | Local | Ongoing | High |
| 2 | Install water infrastructure and Fire hydrants in rural areas | Wildfire | Town of Thomaston Town Council | Local/CDBG/USDA/ DRA | Medium | Moderate |
| 4 | Encourage the construction of safe rooms in new and existing construction. | High Winds | Town of Thomaston Town Council | Local | Ongoing | High |
| 6 | Maintain appropriate media relationships to ensure the public is informed of hazard threats and means to mitigate property damages and loss of life. | All | Town of Thomaston Town Council | Local | Medium | Moderate |
| 6 | Publicize the availability of FIRM information to real estate agents, builders, developers, and homeowners through local trade publications and newspaper announcements. | Flooding | Town of Thomaston Town Council | Local | Medium | Moderate |

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|---|---|---|---|---|---|---|
| 6 | Conduct regular public meetings of hazards and mitigation measures | All | Town of Thomaston Town Council | Local | Ongoing | High |
| 3 | Maintain a healthy forest that can help mitigation the damaging impacts of flooding, erosion, landslides, and wildfires within urban and rural areas | Wildfire | Town of Thomaston Town Council | Local/USDA | Medium | Moderate |
| 3 | Seek technical assistance through the Alabama Cooperative Extension System and/or the Alabama Forestry Commission with Best Management Practices (BMPs) for channel and drainage system maintenance. | Flooding | Town of Thomaston Town Council | Local | Medium | Moderate |
| 3 | Enact and enforce dumping regulations | All | Town of Thomaston Town Council | Local | Medium | Moderate |
| 3 | Enact and enforce erosion and sedimentation control regulations | Flooding | Town of Thomaston Town Council | Local | Medium | Moderate |
| 3 | Encourage land acquisition programs to acquire habitat throughout Marengo County | All | Town of Thomaston Town Council | Local | Medium | Moderate |
| 3 | Improve maintenance programs for streams and drainage ways. | Flooding | Town of Thomaston Town Council | Local | Medium | Moderate |
| 4 | Implement drainage improvement in watersheds throughout Marengo County | Flooding | Town of Thomaston Town Council | Local/HMA/CDBG | Medium | Moderate |
| 2 | Continue to clear debris from roads and drainage ways | All | Town of Thomaston Town Council | Local | Medium | Moderate |
| ½ | Continue to improve and maintain Town road system | All | Town of Thomaston Town Council | Local/CDBG | Medium | Moderate |
| 1 | Prepare and implement standard operation procedures for drainage system maintenance | Flooding | Town of Thomaston Town Council | Local | Medium | Moderate |

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|---|---|---|---|---|---|---|
| 5 | Improve public warning systems | All | Town of Thomaston Town Council | Local/HMA | Medium | Moderate |
| 5 | Improve public access to weather alerts | All | Town of Thomaston Town Council | Local/HMA | Medium | Moderate |
| 6 | Use social media to provide information about the public about dangerous weather | All | Town of Thomaston Town Council | Local | Ongoing | High |
| 5 | Purchase emergency generators for post- disaster mitigation as needed. In particular for the Volunteer Fire Departments, schools, critical facilities Marengo County Courthouse, and all water and sewer facilities throughout Marengo County. | All | Town of Thomaston Town Council | Local/HMA | Medium | Moderate |
| 5 | Install an automated weather monitoring system that transmit data to the County EMA and the NWS, including all-weather stations, precipitation gauges, wind gauges, and temperature gauges | All | Town of Thomaston Town Council | Local | Medium | Moderate |
| 5 | Promote the use of weather radios in households and businesses. Purchase radios and distribute to the public. | All | Town of Thomaston Town Council | Local | Ongoing | High |
| 5/6 | Upgrade Critical Communication Infrastructure | All | Town of Thomaston Town Council | Local/HMA/AFG | Medium | Moderate |

Action 31 from the 2015 plan was deleted due to it being redundant with action 28.

| Perry County Commission Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 2 | Continue to clear debris from roads and drainage ways | Flood | County Road and Bridge Department | Perry County Local Funds | High/Ongoing | High |
| 2 | Continue to improve and maintain county road system and drainage infrastructure | All | County Road and Bridge Department | Perry County Local Funds | High/Ongoing | High |
| 5 | Continue to offer shelter to individuals and families affected by natural hazards | All | Perry County Emergency Management | Perry County Local Funds | High/Ongoing | High |
| 2 | Contact utilities in the event of natural hazard so they can inspect their infrastructure for damage | All | Perry County Emergency Management | Perry County Local Funds | High/Ongoing | High |
| 1 | Encourage jurisdictions to commit matches for grants dealing with mitigation | All | Perry County Emergency Management | Perry County Local Funds | High/Ongoing | High |
| 6 | Provide the public information on actions to take during severe weather through newspaper and radio announcements | All | Perry County Emergency Management | Perry County Local Funds | High/Ongoing | High |
| 5 | Provide information to municipalities regarding natural hazards and general principles outlining procedures | All | Perry County Emergency Management | Perry County Local Funds | High/Ongoing | High |
| 6 | Provide information to citizens regarding natural hazards safety | All | Perry County Emergency Management | Perry County Local Funds | High/Ongoing | High |
| 1 | Join NFIP Program | Flood | Perry County Commission | Perry County Local Funds | Medium | Moderate |

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|---|---|---|---|---|---|---|
| 1 | Apply for funding to update/revise mitigation plan when needed | All | Perry County Commission | Perry County Local Funds/FEMA Grant Funds | High | High |
| 5 | Early Warning Alert Notification Systems | All | Perry County Commission | Perry County Local Funds/FEMA Grant Funds | High/Ongoing | High |
| 5 | Purchase generators for critical facilities and fire stations | All | Perry County Commission | Perry County Local Funds/FEMA Grant Funds | High/Ongoing | High |
| 5 | Purchase NOAA weather radios | All | Perry County Commission | Perry County Local Funds/FEMA Grant Funds | High/Ongoing | High |
| 4 | Community Storm Shelters | High Winds, Tornadoes, Hurricanes | Perry County Commission | Perry County Local Funds/FEMA Grant Funds/CDBG Funds | High/Ongoing | High |
| 4 | Individual Storm Shelters | High Winds, Tornadoes | Perry County Commission | Perry County Local Funds/FEMA Grant Funds | High/Ongoing | High |
| 4 | Promotion of safe rooms in new residences. | High Winds, Tornadoes, Hurricanes | Perry County Commission/Perry County EMA | Perry County Local Funds | High/Ongoing | High |
| 5 | Purchase of tornado sirens for areas with concentrations of population | Tornadoes | Perry County Commission | Perry County Local Funds/FEMA Grant Funds | High | Moderate |
| 4 | Provide storm shelters in areas of high population density and mobile home communities | High Winds, Tornadoes, Hurricanes | Perry County Commission | Perry County Local Funds/FEMA Grant Funds/CDBG Funds | High | High |

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|---|---|---|---|---|---|---|
| 2 | Improve drainage infrastructure throughout County | Flash Floods/Severe Storms | Perry County Commission/Perry County Road and Bridge Department | Perry County Local Funds/FEMA Grant Funds/CDBG Funds | Medium/ Ongoing | Moderate |
| 2 | Drainage projects in areas identified as being flood prone | Flash Floods/Severe Storms | Perry County Commission/Perry County Road and Bridge Department | Perry County Local Funds/FEMA Grant Funds/CDBG Funds | Medium/ Ongoing | Moderate |
| 2 | Stormwater Management Projects throughout the County | Flash Floods/Severe Storms | Perry County Commission/Perry County Road and Bridge Department | Perry County Local Funds/FEMA Grant Funds/CDBG Funds | Medium/ Ongoing | Moderate |
| 5 | Open buildings to the public during extreme heat | Extreme Heat | Perry County Commission | Perry County Local Funds | Medium/ Ongoing | Moderate |
| 2 | Retrofitting of critical facilities | Wind Events | Perry County Commission | Perry County Local Funds | Medium | Moderate |
| 3 | Fire hydrants in rural areas | Wildfires | Perry County Commission/Perry County Road and Bridge Department | Perry County Local Funds/CDBG Funds/Other Federal Funds | Medium/ Ongoing | Moderate |
| 2 | Seek weatherization funding for low income residents | All | Perry County Commission | Perry County Commission/Community Action Agencies/ADECA | Medium | Moderate |
| 1 | Begin maintaining an inventory of critical facilities with value and contact information | All | Perry County Commission/Perry County EMA | Perry County Local Funds | Medium/ Ongoing | Low |
| 3 | Work closely with Perry Forester to mitigate wildfire dangers | Wildfire | Perry County Commission/Perry County EMA | Perry County Local Funds | Medium/ Ongoing | Low |

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|---|---|---|---|---|---|---|
| 6 | Research procedures for keeping historical storm data with location, magnitude, and loss values for each event | All | Perry County EMA | Perry County Local Funds | Medium/ Ongoing | Low |

| City of Marion Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 5 | Continue to send law enforcement and fire personnel to emergency response training | All | City of Marion-Mayor/Council | City of Marion | High/Ongoing | High |
| 1 | Continue to participate in the National Flood Insurance Program | Flood | City of Marion-Mayor/Council | City of Marion | High/Ongoing | Moderate |
| 5 | Purchase generators for critical facilities including water and sewer systems and fire stations | All | City of Marion-Mayor/Council | City of Marion/FEMA Grant Funds | Medium | High |
| 4 | Safe rooms in community center buildings | High Winds, Tornadoes, Hurricanes | City of Marion-Mayor/Council | City of Marion | Medium | Moderate |
| 5 | Purchase of tornado sirens for areas with concentrations of population | Tornadoes | City of Marion-Mayor/Council | City of Marion/FEMA Grant Funds | Medium | Moderate |
| 4 | Provide storm shelters in areas of high population density and mobile home communities | High Winds, Tornadoes, Hurricanes | City of Marion-Mayor/Council | City of Marion/FEMA Grant Funds/CDBG Funds | Medium | High |
| 2 | Drainage projects in areas identified as being flood prone | Flash Floods/Severe Storms | City of Marion-Mayor/Council | City of Marion/FEMA Grant Funds/CDBG Funds | Medium | Moderate |
| 2 | Stormwater Management Projects throughout the city | Flash Floods/Severe Storms | City of Marion-Mayor/Council | City of Marion/FEMA Grant Funds/CDBG Funds | Medium | Moderate |

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| 2 | Retrofitting of critical facilities | Wind Events | City of Marion-Mayor/Council | City of Marion | Medium | Moderate |
| 3 | Work closely with Perry Forester to mitigate wildfire dangers | Wildfire | City of Marion-Mayor/Council | City of Marion | Medium/ Ongoing | Low |
| 2 | Continue to clear debris from roads and drainage ways | Flood | City of Marion-Street Department | City of Marion | High/Ongoing | High |
| 2 | Continue to improve and maintain city road system and drainage infrastructure | All | City of Marion-Street Department | City of Marion | High/Ongoing | High |
| 4 | Individual Storm Shelters | High Winds, Tornadoes | City of Marion | City of Marion/FEMA Grant Funds | Medium | Moderate |

| City of Uniontown Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 5 | Continue to send law enforcement and fire personnel to emergency response training | All | City of Uniontown-Mayor/Council | City of Uniontown | High/Ongoing | High |
| 1 | Join and participate in the National Flood Insurance Program | Flood | City of Uniontown-Mayor/Council | City of Uniontown | Medium | Moderate |
| 5 | Purchase generators for critical facilities including water and sewer systems and fire stations | All | City of Uniontown-Mayor/Council | City of Uniontown/FEMA Grant Funds | Medium | High |
| 5 | Purchase of tornado sirens for areas with concentrations of population | Tornadoes | City of Uniontown-Mayor/Council | City of Uniontown/FEMA Grant Funds | Medium | Moderate |
| 4 | Provide storm shelters in areas of high population density and mobile home communities | High Winds, Tornadoes, Hurricanes | City of Uniontown-Mayor/Council | City of Uniontown/FEMA Grant Funds/CDBG Funds | Medium | High |
| 4 | Safe rooms in community center buildings | High Winds, Tornadoes, Hurricanes | City of Uniontown-Mayor/Council | City of Uniontown | Medium | Moderate |
| 2 | Stormwater Management Projects throughout the city | Flash Floods/Severe Storms | City of Uniontown-Mayor/Council | City of Uniontown/FEMA Grant Funds/CDBG Funds | Medium | Moderate |
| 2 | Drainage projects in areas identified as being flood prone | Flash Floods/Severe Storms | City of Uniontown-Mayor/Council | City of Uniontown/FEMA Grant Funds/CDBG Funds | Medium | Moderate |

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| 2 | Retrofitting of critical facilities | Wind Events | City of Uniontown-Mayor/Council | City of Uniontown | Medium | Moderate |
| 3 | Work closely with Perry Forester to mitigate wildfire dangers | Wildfire | City of Uniontown-Mayor/Council | City of Uniontown | Medium/ Ongoing | Low |
| 2 | Continue to clear debris from roads and drainage ways | Flood | City of Uniontown-Street Department | City of Uniontown | High/Ongoing | High |
| 2 | Continue to improve and maintain city road system and drainage infrastructure | All | City of Uniontown-Street Department | City of Uniontown | High/Ongoing | High |
| 4 | Individual Storm Shelters | High Winds, Tornadoes | City of Uniontown | City of Uniontown/FEMA Grant Funds | Medium | Moderate |

| Perry County Board of Education Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 5 | Continue to offer shelter to individuals and families affected by natural hazards | All | Perry County School Board | Perry County BOE | High/Ongoing | Moderate |
| 5 | Purchase generators for critical facilities | All | Perry County School Board | Perry BOE/FEMA Grant Funds | Medium | Low |
| 4 | Provide storm shelters at schools | Tornado, Severee Storms | Perry County School Board | Perry BOE/FEMA Grant Funds | Medium | Moderate |
| 2 | Retrofitting of schools | Severee Storms, Hurricanes | Perry County School Board | Perry BOE/FEMA Grant Funds | Medium | Low |
| 2 | Correct storm water management/ drainage issues on school grounds | Flood | Perry County School Board | Perry BOE/FEMA Grant Funds | Medium | Low |

| Pickens County Board of Education Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal/ Number** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 4 | Construct storm retrofits to educational buildings | Thunderstorms, Tornados, Hurricanes | Pickens County BOE | HMA Grants, Local | Low | Moderate |
| 4.1 | Construct/ install community safe rooms to educational buildings to include backup generators | Thunderstorms, Tornados, Hurricanes | Pickens County BOE | HMA Grants, Local | High | Moderate |
| 4.2 | Construct/install individual storm shelter to educational buildings | Thunderstorms, Tornados, Hurricanes | Pickens County BOE | HMA Grants, Local | Low | High |
| 5 | Provide generators for educational buildings | All | Pickens County BOE | HMA Grants, Local | High | High |

## Pickens County Commission Mitigation Action Plan

| Goal/ Number | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 1 | Enforce floodplain management requirements, regulate construction or improvements in Special Flood Hazards Areas (SFHAs) | Flood | County Engineer | HMA grants/ Local | Low | High |
| 4 | Install/ construct community safe rooms to include generators and outdoor warning sirens if needed | Thunderstorms, Tornados, Hurricanes | Pickens County EMA | HMA grants/ Local | High/ Ongoing | Moderate |
| 4.1 | Install/construct individual safe rooms | Thunderstorms, Tornados, Hurricanes | Pickens County EMA | HMA grants/ Local | High/ Ongoing | Moderate |
| 4.2 | Construct storm retrofits to critical facilities | Thunderstorms, Tornados, Hurricanes | County Commission, Pickens County Fire Association | HMA grants/ Local | Low | Moderate |
| 4.3 | Construct/ install safe rooms at critical facility buildings to include generators as needed | Thunderstorms, Tornados, Hurricanes | Pickens County EMA, County Fire Association | HMA grants/ Local | High | Moderate |
| 5 | Install emergency generators at critical facilities | All | Pickens County EMA, Fire Assoc., Water Authority | HMA grants/ Local | High/ Ongoing | High |
| 5.1 | Upgrade communication systems | All | Pickens County EMA, Pickens County Commission | HMA grants/ Local | High | Moderate |
| 5.2 | Distribute NOAA Weather Radios and/ or Alert FM Receivers to residents | All | Pickens County EMA | HMA grants/ Local | High | High |

Table 4-14 2014 Pickens County Mitigation Actions

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|---|---|
| **Mitigation Action 2.4.1** | Upgrade drainage systems REMOVED 2020 |
| **Hazard(s) Addressed** | Flood |
| **Applies to new/existing asset** | Existing |
| **Local Planning Mechanism** | Pickens County EMA & Pickens County |
| **Time frame for Completion** | One year from funding availability |
| **Estimated Cost** | |
| **Funding Sources** | NFIP, CDBG, HMGP, Local |
| **Priority** | |

| Table 5-49: Pickens County Fire Association Mitigation Actions | |
|---|---|
| **Mitigation Action** | Construct storm retrofits to fire buildings ALL REMOVED 2020 – Combined with Pickens County Action plan |
| **Hazard(s) Addressed** | Thunderstorms, Tornados, Hurricanes |
| **Applies to new/existing asset** | Existing |
| **Local Planning Mechanism** | Pickens County Fire Association |
| **Time frame for Completion** | One year from funding availability |
| **Estimated Cost** | $250,000 each |
| **Funding Sources** | HMGP, ADECA, Governor's Emergency Relief Fund, Local |
| **Priority** | Low |
| **Mitigation Action** | Construct/install community safe rooms to fire buildings to include generators |
| **Hazard(s) Addressed** | Thunderstorm, Tornado |
| **Applies to new/existing asset** | New and Existing |
| **Local Planning Mechanism** | Pickens County Fire Association |
| **Time frame for Completion** | One year from funding availability |
| **Estimated Cost** | $100,000 each |
| **Funding Sources** | HMGP, ADECA, Governor's Emergency Relief Fund, Local |
| **Priority** | High |
| **Mitigation Action** | Construct/install individual storm shelters to fire buildings |
| **Hazard(s) Addressed** | Thunderstorm, Tornado |
| **Applies to new/existing asset** | New and Existing |
| **Local Planning Mechanism** | Pickens County Fire Association |
| **Time frame for Completion** | One year from funding availability |
| **Estimated Cost** | $5,000 each |
| **Funding Sources** | HMGP, ADECA, Governor's Emergency Relief Fund, Local |
| **Priority** | Low |
| **Mitigation Action** | Provide generators for fire buildings |
| **Hazard(s) Addressed** | All |
| **Applies to new/existing asset** | Existing |
| **Local Planning Mechanism** | Pickens County Fire Association |
| **Time frame for Completion** | One year from funding availability |
| **Estimated Cost** | $25,000 ea |
| **Funding Sources** | HMGP, ADECA, Local |
| **Priority** | High |

The Pickens County Medical Center Action Plan has been deleted for 2020 due to the closure of the medical center March 6, 2020.

## City of Aliceville Mitigation Action Plan

| Goal/ Number | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 1 | Enforce floodplain management requirements, regulate construction or improvements in Special Flood Hazards Areas (SFHAs) | Flood | Mayor/Council | Local | Low | High |
| 4 | Construct community safe rooms with generators | Thunderstorms, Tornados, Hurricanes | Pickens County EMA, Mayor/Council | HMA grants/ Local | Medium | Moderate |
| 4.1 | Construct/ install safe rooms at educational buildings to include generators as needed | Thunderstorms, Tornados, Hurricanes | Pickens County BOE | HMA grants/ Local | High | Moderate |
| 4.2 | Construct storm retrofits to educational buildings | Thunderstorms, Tornados, Hurricanes | Pickens County BOE | HMA grants/ Local | Low | Moderate |
| 4.3 | Construct public safety building | All | Mayor/Council | Local | Low | Moderate |
| 4.4 | Upgrade drainage systems | Flood | Mayor/Council | HMA grants/ Local | Low | Moderate |
| 5 | Provide adequate kilowatt generators to critical facilities | All | Pickens County EMA, Mayor/Council | HMA grants/ Local | High | High |
| 5.1 | Upgrade/expand communication systems | All | Pickens County EMA, Mayor/Council | HMA grants/ Local | High | Moderate |
| 5.2 | Install additional outdoor warning sirens | Thunderstorms, Tornados, Hurricanes | Pickens County EMA, Mayor/Council | HMA grants/ Local | Medium | Moderate |
| 6 | Participate in public awareness events such as City/County Day, Hurricane Awareness Week, and Severe Weather Week | All | Mayor/Council | Local | High | High |

## City of Reform Mitigation Action Plan

| Goal/ Number | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 1 | Enforce floodplain management requirements, regulate construction or improvements in Special Flood Hazards Areas (SFHAs) | Flood | Mayor/Council, | Local | Low | High |
| 4 | Construct/ install community safe rooms with emergency backup generators | Thunderstorms, Tornados, Hurricanes | Pickens County EMA, Mayor/Council | HMA grants/ Local | High | Moderate |
| 4.1 | Construct/ install safe rooms at government buildings to include generators as needed | Thunderstorms, Tornados, Hurricanes | Pickens County EMA, Mayor/Council | HMA grants/ Local | High | Moderate |
| 4.2 | Construct storm retrofits to government buildings | Thunderstorms, Tornados, Hurricanes | Pickens County EMA, Mayor/Council | HMA grants/ Local | Low | Moderate |
| 5 | Install additional outdoor warning sirens | Thunderstorms, Tornados, Hurricanes | Pickens County EMA, Mayor/Council | HMA grants/ Local | Medium | Moderate |
| 5.1 | Provide generators at critical facilities | All | Pickens County EMA, Mayor/Council | HMA grants/ Local | Medium | Moderate |

## Town of Carrollton Mitigation Action Plan

| Goal/ Number | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 1 | Enforce floodplain management requirements, regulate construction or improvements in Special Flood Hazards Areas (SFHAs) | Flood | Mayor/Council | Local | Low | High |
| 4 | Construct/ install community safe rooms with emergency backup generators | Thunderstorms, Tornados, Hurricanes | Mayor/Council | HMA grants/ Local | High | Moderate |
| 4.1 | Construct/install individual safe rooms | Thunderstorms, Tornados, Hurricanes | Mayor/Council | HMA grants/ Local | High | Moderate |
| 4.2 | Upgrade drainage systems | Flood | Pickens County EMA, Mayor/Council | HMA grants/ Local | Medium | Moderate |
| 4.3 | Construct storm retrofits to government buildings | Thunderstorms, Tornados, Hurricanes | Pickens County EMA, Mayor/Council | HMA grants/ Local | Low | Moderate |
| 4.4 | Construct/ install safe rooms at government buildings and critical facilities | Thunderstorms, Tornados, Hurricanes | Pickens County EMA, Mayor/Council | HMA grants/ Local | High | Moderate |
| 5 | Provide emergency backup generators to all critical facilities | All | Pickens County EMA, Mayor/Council | HMA grants/ Local | High | High |
| 5.1 | Upgrade communication systems | All | Mayor/Council | HMA grants/ Local | Medium | Moderate |

## Town of Ethelsville Mitigation Action Plan

| Goal/ Number | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 1 | Join NFIP upon identification of Special Flood Hazards Areas | Flood | Mayor/Council | Local | Low | High |
| 4 | Construct/ install community safe rooms with backup generators | Thunderstorms, Tornados, Hurricanes | Pickens County EMA, Mayor/Council | HMA grants/ Local | High | Moderate |
| 4.1 | Encourage individual safe rooms | Thunderstorms, Tornados, Hurricanes | Pickens County EMA, Individuals | HMA/Private | Medium | Moderate |
| 5 | Install additional outdoor warning sirens | Thunderstorms, Tornados, Hurricanes | Pickens County EMA, Mayor/Council | HMA grants/ Local | High | Moderate |
| 5.1 | Provide generators at critical facilities | All | Pickens County EMA, Mayor/Council | HMA grants/ Local | Medium | Moderate |

## Town of Gordo Mitigation Action Plan

| Goal/ Number | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 1 | Enforce floodplain management requirements, regulate construction or improvements in Special Flood Hazards Areas (SFHAs) | Flood | Mayor/Council | Local | Low | High |
| 4 | Develop a drainage plan and implement actions that will divert flood waters | Flood | Mayor/Council | ADECA/Local | Medium | Moderate |
| 4.1 | Construct/ install community safe rooms with backup generators | Thunderstorms, Tornados, Hurricanes | Pickens County EMA, Mayor/Council | HMA grants/ Local | High/ Ongoing | Moderate |
| 4.2 | Construct/ install safe rooms at government buildings to include generators as needed | Thunderstorms, Tornados, Hurricanes | Pickens County EMA, Mayor/Council | HMA grants/ Local | High | Moderate |
| 4.3 | Encourage individual safe rooms | Thunderstorms, Tornados, Hurricanes | Pickens County EMA, Individuals | HMA/Private | Medium | Moderate |
| 4.4 | Construct storm retrofits to government buildings | Thunderstorms, Tornados, Hurricanes | Pickens County EMA, Mayor/Council | HMA grants/ Local | Low | Moderate |
| 4.5 | Replace wooden bridges with new bridges meeting current Department of Transportation standards | Flood | Mayor/Council | HMA/ALDOT/ Local | Medium/ Ongoing | Moderate |
| 5 | Make operable the existing outdoor warning siren and install additional outdoor warning sirens | Thunderstorms, Tornados, Hurricanes | Pickens County EMA, Mayor/Council | HMA/Local | High/ Ongoing | Moderate |
| 5.1 | Provide generators at critical facilities | All | Pickens County EMA, Mayor/Council | HMA grants/ Local | High/ Ongoing | Moderate |

## Town of McMullen Mitigation Action Plan

| Goal/ Number | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 1 | Become participant in NFIP upon identification of Special Flood Hazards Areas | Flood | Pickens County EMA, Mayor/Council | Local | Medium | High |
| 4 | Construct/ install community safe rooms with emergency backup generators | Thunderstorms, Tornados, Hurricanes | Pickens County EMA, Mayor/Council | HMA grants/ Local | High | Moderate |
| 4.1 | Encourage individual safe rooms | Thunderstorms, Tornados, Hurricanes | Pickens County EMA, Individuals | HMA/Private | Medium | Moderate |
| 5 | Provide generators at critical facilities | All | Pickens County EMA, Mayor/Council | HMA / Local | Medium | Moderate |

## Town of Memphis Mitigation Action Plan

| Goal/ Number | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 1 | Become member of the NFIP | Flood | Mayor/Council | Local | Medium | High |
| 4 | Construct community safe rooms with emergency backup generators | Thunderstorms, Tornados, Hurricanes | Pickens County EMA Mayor/Council, | HMA grants/ Local | High/ Ongoing | Moderate |
| 4.1 | Install/ construct a multi-purpose community safe room with backup generator (town Hall will be co-located here) | Thunderstorms, Tornados, Hurricanes | Pickens County EMA, Mayor/Council | HMA grants/ Local | High | Moderate |
| 5 | Upgrade/ make operable the existing outdoor warning siren located on Williams Price Road | Thunderstorms, Tornados, Hurricanes | Pickens County EMA, Mayor/Council | HMA grants/ Local | High | Moderate |
| 5.1 | Provide generators at critical facilities | All | Pickens County EMA, Mayor/Council | HMA grants/ Local | Medium | Moderate |

## Town of Pickensville Mitigation Action Plan

| Goal/ Number | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 1 | Enforce floodplain management requirements, regulate construction or improvements in Special Flood Hazards Areas (SFHAs) | Flood | Mayor/Council | Local | Low | High |
| 4 | Construct/ install community safe rooms with emergency backup generators, sirens if necessary | Thunderstorms Tornados, Hurricanes | Pickens County EMA, Mayor/Council | HMA grants/ Local | High/ Ongoing | Moderate |
| 4.1 | Install additional fire hydrants throughout town limits | Wildlife | Mayor/Council | CDBG/Fire Grant, Local | Medium | Moderate |
| 4.2 | Upgrade drainage system to include new pipe and culverts and enlarge ditches | Flood | Mayor/Council | ADECA/ Local | Medium | Moderate |
| 5 | Install emergency generators at critical facilities | All | Pickens County EMA, Mayor/Council | HMA grants/ Local | High | Moderate |

| Sumter County Commission Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 1 | Continue to participate in the National Flood Insurance Program by enforcement of flood ordinance | Flooding | Sumter County Floodplain Manager/County Commission | Local | Ongoing | High |
| 1 | Provide technical and policy information regarding flood hazards to developers, interested parties and the public. | Flooding | Sumter County Floodplain Manager/County Commission | Local | Ongoing | High |
| 5 | Continue to clear debris from roads and drainage ways | All | Sumter County Road and Bridge Dept. | Local | Ongoing | High |
| 5 | Continue to perform maintenance on roads, drainage culverts, creeks, and streams to mitigate the threat of floods | Flooding | Sumter County Road and Bridge Dept. | Local | Ongoing | High |
| 1 | Continue to improve and maintain the county road system | All | Sumter County Road and Bridge Dept. | Local | Ongoing | High |
| 6 | Provide the public information on actions to take during severe weather through newspaper, publications, social media, and radio announcements | All | Sumter County Commission/EMA | Local | Ongoing | High |
| 4 | Promotion of safe rooms in new residences | High Winds | Sumter County Commission/EMA | Local | Ongoing | High |
| 4 | Promotion of safe rooms/individual shelters in existing residences | High Winds | Sumter County Commission/EMA | Local | Ongoing | High |
| 6 | Provide information to municipalities regarding natural hazards and general principles outlining procedures | All | Sumter County Commission/EMA | Local | Ongoing | High |

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|---|---|---|---|---|---|---|
| 6 | Educate local governments and groups on mitigation activities and grant funding | All | Sumter County Commission/EMA | Local | Ongoing | High |
| 6 | Provide information to the public through local media | All | Sumter County Commission/EMA | Local | Ongoing | High |
| 5 | Open buildings to the public during extreme heat | Extreme Heat | Sumter County Commission | Local | Ongoing | High |
| 4 | Seek weatherization funding for low-income residents | All | Sumter County Commission | Local/Community Action/CDBG | High | Moderate |
| 2/3 | Work closely with the Sumter County Forester to mitigate wildfire dangers | Wildfire | Sumter County Commission | Local | Ongoing | High |
| 5 | Early Warning Alert Notification Systems | All | Sumter County Commission | Local/HMA | Medium | Moderate |
| 5 | Additional Tornado Sirens | High Winds | Sumter County Commission | Local/HMA | Low | Moderate |
| 4 | Provide storm shelters in areas of high population densities and mobile home communities | High Winds | Sumter County Commission | Local/HMA | Medium | Moderate |
| 5 | Purchase generators for critical facilities | All | Sumter County Commission | Local/HMA | High | High |
| 4 | Drainage Projects in areas identified as being prone to flooding. | Flooding | Sumter County Commission | Local/HMA | Medium | Moderate |
| 4 | Storm water Management Projects throughout the county | Flooding | Sumter County Commission | Local/HMA | Medium | Moderate |
| 2 | Buyouts of homes in flood prone areas | Flooding | Sumter County Commission | Local/HMA | Low | Low |
| 2 | Retrofitting of critical facilities | High Winds | Sumter County Commission | Local/HMA | Low | Low |

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| 6 | Weather Training | All | Sumter County Commission | Local | Ongoing | High |
| 5 | Purchase NOAA weather radios | All | Sumter County Commission | Local/HMA | Medium | Moderate |
| 2/3 | Fire hydrants in rural areas | Wildfire | Sumter County Commission | Local/CDBG | Medium | Moderate |
| 1 | Research procedures for keeping historical storm data with location magnitude and loss of each event | All | Sumter County Commission/EMA | Local | Low | Low |
| 1 | Begin maintaining an inventory of critical facilities with values and contact information | All | Sumter County Commission/EMA | Local | Low | Low |

| Town of Cuba Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 1 | Continue enforcement of flood ordinance | Flooding | Town of Cuba Floodplain Manager | Local | Ongoing | High |
| 2 | Provide technical and policy information regarding flood hazards to developers, interested parties and the public. | Flooding | Town of Cuba Floodplain Manager | Local | Ongoing | High |
| 6 | Post drought and extreme heat notices in town | Extreme Heat & Drought | Town of Cuba Town Council | Local | Ongoing | High |
| 1 | Maintain and improve streets, culverts, and drainage infrastructure in town | All | Town of Cuba Town Council | Local/CDBG/HMA | Ongoing/ Low | High |
| 5 | Open public buildings during extreme heat | Extreme Heat | Town of Cuba Town Council | Local | Ongoing | High |
| 4 | Seek weatherization funding for low-income residents | All | Town of Cuba Town Council | Local/CDBG/ Community Action | Medium | Moderate |
| 2/3 | Work closely with Sumter County forester to mitigate wildfire dangers | Wildfire | Town of Cuba Town Council | Local | Ongoing | High |
| 5 | Tornado sirens | High Winds | Town of Cuba Town Council | Local/HMA | Medium | Moderate |
| 5 | Purchase of tornado sirens for areas with concentrations of population | High Winds | Town of Cuba Town Council | Local/HMA | Medium | Moderate |
| 4 | Provide storm shelters in areas of high population density and mobile home communities | High Winds | Town of Cuba Town Council | Local/HMA/CDBG | Low | Moderate |

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| 4 | Storm water management projects throughout town | Flooding | Town of Cuba Town Council | Local/HMA/CDBG | Low | Moderate |
| 4 | Individual in Residences | High Winds | Town of Cuba Town Council | Local/HMA | Low | Moderate |
| 4 | Drainage Projects in Flood Prone Areas | Flooding | Town of Cuba Town Council | Local/HMA/CDBG | Medium | Moderate |
| 5 | Purchase NOAA Weather Radios for Town's Residents | All | Town of Cuba Town Council | Local/HMA | Medium | Moderate |
| 5 | Purchase of generators for critical facilities and utilities | All | Town of Cuba Town Council | Local/HMA | Medium | Moderate |
| 3 | Sediment Control Projects | Flooding | Town of Cuba Town Council | Local/HMA/CDBG | Medium | Moderate |
| 5 | Early Warning Alert Notification Systems | High Winds | Town of Cuba Town Council | Local/HMA | Medium | Moderate |
| 5 | Build new fire station | All | Town of Cuba Town Council | Local/USDA/CDBG | Medium | Moderate |
| 4 | New treatment lagoon | All | Town of Cuba Town Council | Local/USDA/CDBG | Medium | Moderate |
| 2 | Retrofit Critical Facilities | High Winds | Town of Cuba Town Council | Local/HMA | Medium | Moderate |

Actions C1, C4, C5, and C6 from the 2015 plan were removed. C1 was completed at the time of the 2015 plan. C4, C5, and C6 are not active.

| Town of Emelle Mitigation Action Plan | | | | | | |
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| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 4 | Community storm shelters | High Winds | Town of Emelle Town Council | Local/HMA | Medium | Low |
| 4 | Tornado sirens | High Winds | Town of Emelle Town Council | Local/HMA | Medium | Low |
| 5 | Provide air-conditioned buildings during periods of extreme heat | Extreme Heat | Town of Emelle Town Council | Local | Ongoing | High |
| 1/2 | Maintain and improve streets, culverts, and drainage infrastructure in town | Flooding | Town of Emelle Town Council | Local/HMA/ CDBG | Ongoing/ Medium | High/Moderate |
| 4 | Seek weatherization funding for low-income residents | All | Town of Emelle Town Council | Local/CDBG/ Community Action | Medium | Moderate |
| 1 | Work Closely with Sumter County Forester to mitigate wildfire dangers | Wildfire | Town of Emelle Town Council | Local | Ongoing | High |
| 5 | Early Warning Alert Notification Systems | All | Town of Emelle Town Council | Local/HMA | Medium | Moderate |
| 3 | Improve Water Supply | All | Town of Emelle Town Council | Local/CDBG/ USDA | Medium | Moderate |
| 5 | Purchase of tornado sirens for areas with concentrations of population | High Winds | Town of Emelle Town Council | Local/HMA | Medium | Moderate |
| 4 | Provide storm shelters in areas of high population density and mobile home communities | High Winds | Town of Emelle Town Council | Local/HMA | Medium | Low |
| 4 | Storm water management projects throughout town | Flooding | Town of Emelle Town Council | Local/HMA/ CDBG | Medium | Moderate |

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| 4 | Individual Shelters in Residences | High Winds | Town of Emelle Town Council | Local/HMA | Medium | Moderate |
| 5 | Purchase NOAA Weather Radios for Town's Residents | All | Town of Emelle Town Council | Local/HMA | Medium | Moderate |
| 5 | Purchase of generators for critical facilities and utilities | All | Town of Emelle Town Council | Local/HMA | Medium | Moderate |
| 2 | Retrofit Critical Facilities | High Winds | Town of Emelle Town Council | Local/HMA | Low | Low |

| Town of Epes Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 1 | Continue to participate in the national Flood Insurance Program by enforcing flood ordinances | Flooding | Town of Epes Floodplain Manager | Local | Ongoing | High |
| 1 | Provide technical and policy information regarding flood hazards to developers, interested parties and the public. | Flooding | Town of Epes Floodplain Manager | Local | Ongoing | High |
| 5 | Post drought and extreme heat notices in town | Extreme Heat | Town of Epes Town Council | Local | Ongoing | High |
| 1/2 | Maintain and improve streets, culverts, and drainage infrastructure in town | All | Town of Epes Town Council | Local/FMA/CDBG | Ongoing/ Medium | High |
| 5 | Provide air-conditioned buildings for the public during extreme heat | Extreme Heat | Town of Epes Town Council | Local | Ongoing | High |
| 1 | Work with Sumter County Forester to mitigate wildfire dangers | Wildfire | Town of Epes Town Council | Local | Ongoing | High |
| 4 | Seek weatherization funding for low-income residents | All | Town of Epes Town Council | Local/CDBG/ Community Action | Medium | Moderate |
| 4 | Provide storm shelters in areas of high population density and mobile home communities | High Winds | Town of Epes Town Council | Local/FMA/CDBG | Medium | Moderate |
| 4 | Storm water management projects throughout town | Flooding | Town of Epes Town Council | Local/FMA/CDBG | Medium | Moderate |
| 4 | Individual Shelters in Residences | High Winds | Town of Epes Town Council | Local/FMA | Medium | Moderate |

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| 4 | Drainage Projects in Flood Prone Areas | Flooding | Town of Epes Town Council | Local/FMA/CDBG | Medium | Moderate |
| 5 | Purchase of generators for critical facilities and utilities | All | Town of Epes Town Council | Local/FMA/CDBG | Medium | Moderate |
| 2 | Housing Rehabilitation | All | Town of Epes Town Council | Local/FMA/CDBG | Medium | Moderate |
| 2/3 | Extend and Provide Sewer service to all residents | All | Town of Epes Town Council | Local/FMA/CDBG | Medium | Moderate |
| 2 | Retrofitting of Critical Facilities | High Winds | Town of Epes Town Council | Local/FMA/CDBG | Low | Low |
| 5 | Tornado Sirens | High Winds | Town of Epes Town Council | Local/FMA/CDBG | Medium | Moderate |

Action EP1 from the 2015 plan has been removed because that action was completed prior to that plan's adoption.

| Town of Gainesville Mitigation Action Plan | | | | | | |
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| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 1 | Become a member of the national Flood Insurance Program | Flooding | Town of Gainesville Town Council | Local | Medium | High |
| 5 | Post drought and extreme heat notices in town | Drought/ Extreme Heat | Town of Gainesville Town Council | Local | High | High |
| 1/2 | Maintain and improve streets, culverts, and drainage infrastructure in town | Flooding | Town of Gainesville Town Council | Local/CDBG/HMA | Medium | Moderate |
| 5 | Provide air-conditioned buildings | Extreme Heat | Town of Gainesville Town Council | Local | Ongoing | High |
| 1 | Seek weatherization funds for low-income households | All | Town of Gainesville Town Council | Local/CDBG/ Community Action | Medium | Moderate |
| 1/3 | Work closely with the Sumter County Forester to mitigate wildfire dangers | Wildfire | Town of Gainesville Town Council | Local | Ongoing | High |
| 5 | Tornado Sirens | High Winds | Town of Gainesville Town Council | Local/HMA | Medium | Moderate |
| 5 | Early Warning Alert Notification Systems | All | Town of Gainesville Town Council | Local/HMA | Medium | Moderate |
| 4 | Provide storm shelters in areas of high population density and mobile home communities | High Winds | Town of Gainesville Town Council | Local/HMA/CDBG | Medium | Moderate |
| 4 | Storm water management projects throughout town | Flooding | Town of Gainesville Town Council | Local/HMA/CDBG | Medium | Moderate |

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| 4 | Individual Shelters in Residences | High Winds | Town of Gainesville Town Council | Local/HMA | Medium | Moderate |
| 4 | Drainage Projects in Flood Prone Areas | Flooding | Town of Gainesville Town Council | Local/HMA/CDBG | Medium | Moderate |
| 5 | Purchase of generators for critical facilities and utilities | All | Town of Gainesville Town Council | Local/HMA | Medium | Moderate |
| 2 | Housing Rehabilitation | All | Town of Gainesville Town Council | Local/CDBG | Medium | Moderate |
| 4 | Retrofitting of Critical Facilities | High Winds | Town of Gainesville Town Council | Local/HMA | Medium | Low |

| Town of Geiger Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 1 | Provide technical and policy information regarding flood hazards to developers, interested parties and the public. | Flooding | Town of Geiger Floodplain Manager | Local | High | High |
| 1 | Maintain membership in NFIP by enforcing flood ordinance | Flooding | Town of Geiger Floodplain Manager | Local | High | High |
| 5 | Post drought and extreme heat notices in town | Drought/ Extreme Heat | Town of Geiger Town Council | Local | High | High |
| ½ | Maintain and improve streets, culverts, and drainage infrastructure in town | Flooding | Town of Geiger Town Council | Local/CDBG/ HMA | Medium | Moderate |
| 1 | Seek weatherization funds for low-income households | Extreme Heat | Town of Geiger Town Council | Local | Ongoing | High |
| 1/3 | Work closely with the Sumter County Forester to mitigate wildfire dangers | All | Town of Geiger Town Council | Local/CDBG/ Community Action | Medium | Moderate |
| 5 | Tornado Sirens | Wildfire | Town of Geiger Town Council | Local | Ongoing | High |
| 5 | Early Warning Alert Notification Systems | High Winds | Town of Geiger Town Council | Local/HMA | Medium | Moderate |
| 4 | Provide storm in areas of high population density and mobile home communities | All | Town of Geiger Town Council | Local/HMA | Medium | Moderate |
| 4 | Storm water management projects throughout town | High Winds | Town of Geiger Town Council | Local/HMA/ CDBG | Medium | Moderate |

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| 4 | Individual Shelters in Residences | Flooding | Town of Geiger Town Council | Local/HMA/ CDBG | Medium | Moderate |
| 5 | Drainage Projects in Flood Prone Areas | High Winds | Town of Geiger Town Council | Local/HMA | Medium | Moderate |
| 4 | Purchase of generators for critical facilities and utilities | Flooding | Town of Geiger Town Council | Local/HMA/ CDBG | Medium | Moderate |
| 2 | Housing Rehabilitation | All | Town of Geiger Town Council | Local/HMA | Medium | Moderate |
| 4 | Retrofitting of Critical Facilities | All | Town of Geiger Town Council | Local/CDBG | Medium | Moderate |

Action GE1 from the 2015 plan due to it being completed prior to that plan.

| City of Livingston Mitigation Action Plan | | | | | | |
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| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 1 | Continued compliance in NFIP by enforcement of Flood Ordinance | Flooding | City of Livingston Floodplain Manager | Local | High | High |
| 1 | Provide technical and policy information regarding flood hazards to developers, interested parties and the public. | Flooding | City of Livingston Floodplain Manager | Local | High | High |
| 1 | Continue to enforce zoning ordinances | All | City of Livingston Code Compliance | Local | High | High |
| 1 | Continue to enforce building codes | All | City of Livingston Code Compliance | Local | High | High |
| 1 | Continue to enforce subdivision regulations | All | City of Livingston Code Compliance | Local | High | High |
| 5 | Open buildings to the public during extreme heat | Extreme Heat | City of Livingston City Council | Local | High | High |
| 1 | Continue to help UWA monitor Lake LU dam | Dam Failure | City of Livingston Public Works | Local | High | High |
| 6 | Keep public informed of drought conditions and water conservation efforts | Drought | City of Livingston City Council | Local | High | High |
| ½ | Continue to maintain drainage infrastructure and city streets | Flooding | City of Livingston Public Works | Local | High | High |
| 5 | Purchase of tornado sirens for areas with concentrations of population | High Winds | City of Livingston City Council | Local/HMA | Medium | Moderate |
| 5 | Early Warning Notification Systems | All | City of Livingston City Council | Local/HMA | Medium | Moderate |

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| 4 | Provide storm shelters in areas of high population density and mobile home communities | High Winds | City of Livingston City Council | Local/HMA/CDBG | Medium | Moderate |
| 5 | Purchase generators for critical facilities and fire stations | All | City of Livingston City Council | Local/HMA | Medium | Moderate |
| 4 | Drainage Projects in areas identified as being prone to flooding. | Flooding | City of Livingston City Council | Local/HMA/CDBG | Medium | Moderate |
| 4 | Storm water Management Projects throughout City. | Flooding | City of Livingston City Council | Local/HMA/CDBG | Medium | Moderate |
| 5 | Purchase NOAA Weather Radios | All | City of Livingston City Council | Local/HMA | Medium | Moderate |
| 4 | Improve drainage infrastructure | Flooding | City of Livingston City Council | Local/HMA/CDBG | Medium | Moderate |
| 2 | Retrofitting of critical facilities | High Winds | City of Livingston City Council | Local/HMA | Medium | Moderate |
| 1 | Seek weatherization funding for low-income residents | All | City of Livingston City Council | Local/CDBG/ Community Action | Medium | Moderate |
| 1 | Work closely with Sumter Forester to mitigate wildfire dangers | Wildfire | City of Livingston City Council | Local | Medium | Moderate |
| 4 | Community Storm Shelters | High Winds | City of Livingston City Council | Local/HMA/CDBG | Medium | Moderate |
| 2 | Flood buyouts | Flooding | City of Livingston City Council | Local/HMA | Medium | Moderate |
| 4 | Bridge Work- Hopkins Street | Flooding | City of Livingston City Council | Local/HMA/CDBG | Medium | Moderate |
| 4 | Bridge Work on Arrington Street | Flooding | City of Livingston City Council | Local/HMA/CDBG | Medium | Moderate |
| 4 | Bridge on Pickens Street | Flooding | City of Livingston City Council | Local/HMA/CDBG | Medium | Moderate |
| 4 | Storm drainage off N. Washington between Hudson and Underwood. | Flooding | City of Livingston City Council | Local/HMA/CDBG | Medium | Moderate |

| City of York Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 1 | Continued compliance in NFIP by enforcement of Flood Ordinance | Flooding | City of York Floodplain Manager | Local | Ongoing | High |
| 1 | Provide technical and policy information regarding flood hazards to developers, interested parties and the public. | Flooding | City of York Floodplain Manager | Local | Ongoing | High |
| 1 | Continue to enforce zoning ordinances | All | City of York Code Enforcement | Local | Ongoing | High |
| 1 | Continue to enforce building codes | All | City of York Code Enforcement | Local | Ongoing | High |
| 1 | Continue to enforce subdivision regulations | All | City of York Code Enforcement | Local | Ongoing | High |
| 5 | Open buildings to the public during extreme heat | Extreme Heat | City of York City Council | Local | Ongoing | High |
| 5 | Apply for funding for fire and rescue | All | City of York City Council | Local | High | High |
| 1 | Develop a dam safety plan for Lake Lurleen Dam | Dam Failure | City of York City Council | Local/HMA | Medium | Moderate |
| 6 | Keep public informed of drought conditions and water conservation efforts | Drought | City of York City Council | Local | Ongoing | High |
| ½ | Continue to maintain drainage infrastructure and city streets | Flooding | City of York City Council | Local/HMA/CDBG | Ongoing | High |
| 5 | Purchase of tornado sirens for areas with concentrations of population | High Winds | City of York City Council | Local/HMA | Medium | Moderate |
| 5 | Early Warning Notification Systems | All | City of York City Council | Local/HMA | Medium | Moderate |

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 | Provide storm shelters in areas of high population density and mobile home communities | High Winds | City of York City Council | Local/HMA | Medium | Moderate |
| 5 | Purchase generators for critical facilities and utilities | All | City of York City Council | Local/HMA | Medium | Moderate |
| 4 | Drainage Projects in areas identified as being prone to flooding. | Flooding | City of York City Council | Local/HMA/CDBG | Medium | Moderate |
| 4 | Storm water Management Projects throughout City | Flooding | City of York City Council | Local/HMA/CDBG | Medium | Moderate |
| 6 | Purchase NOAA Weather Radios | All | City of York City Council | Local/HMA | Medium | Moderate |
| 4 | Improve drainage infrastructure | Flooding | City of York City Council | Local/HMA/CDBG | Medium | Moderate |
| 2 | Retrofitting of critical facilities | High Winds | City of York City Council | Local/HMA | Medium | Moderate |
| 1 | Seek weatherization funding for low-income residents | All | City of York City Council | Local/CDBG/ Community Action | Medium | Moderate |
| 1 | Work closely with Sumter Forester to mitigate wildfire dangers | Widlfire | City of York City Council | Local | Medium | Moderate |
| 4 | Community Storm Shelters | High Winds | City of York City Council | Local/HMA/CDBG | Medium | Moderate |
| 2 | Flood control on east side of city, Rabbit Branch area | Flooding | City of York City Council | Local/HMA/CDBG | Medium | Moderate |

Actions Y24 and Y25 from the 2015 plan were deleted due to their not being deemed relevant at this time.

| Sumter County Board of Education Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 6 | Help distribute hazard safety information to students | All | Sumter County School Board | Local | Ongoing | High |
| 3 | Work closely with Sumter County Forester to mitigate wildfire danger | Wildfire | Sumter County School Board | Local | Ongoing | High |
| 5 | Provide storm shelters at school | High Winds | Sumter County School Board | Local/HMA | Medium | Moderate |
| 5 | Purchase generators for critical facilities | All | Sumter County School Board | Local/HMA | Medium | Moderate |
| 2 | Retrofitting of Schools | High Winds | Sumter County School Board | Local/HMA/ALSDE | Medium | Moderate |
| 4 | Correct storm water management/ drainage issue son school grounds | Flooding | Sumter County School Board | Local/HMA | Medium | Moderate |
| 5 | Early Warning Alert Notification Systems | All | Sumter County School Board | Local/HMA | Medium | Moderate |
| 5 | Purchase NOAA Weather Radios | All | Sumter County School Board | Local/HMA | Medium | Moderate |

| Sumter County Water Authority Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 5 | Purchase generators for all facilities SCWA has identified as critical facilities | All | Sumter County Water Authority Board | Local/HMA | Medium | Moderate |
| 5 | Early Warning Alert Notification Systems | All | Sumter County Water Authority Board | Local/HMA | Medium | Moderate |

| Sumter County Sewer Authority Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 2 | Add one lift station in Geiger, AL to improve wastewater flow rate | All | Sumter County Sewer Board | Local/CDBG/DRA | Medium | Moderate |
| 2 | Add generators to two lift stations | All | Sumter County Sewer Board | Local/HMA | Medium | Moderate |
| 2 | Improve physical security of lift stations and lagoon using audio and video | All | Sumter County Sewer Board | Local/HMA | Medium | Moderate |

| University of West Alabama Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 2/3 | Monitor and maintain Lake LU dam | Dam Failure | University of West Alabama | Local | Ongoing | High |
| 5 | Provide shelter facilities | All | University of West Alabama | Local/HMA | Ongoing | High |

| Sumter County Opportunity, Inc. Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 2 | Retrofit head start facilities | High Winds | Sumter County Opportunity Board | Local/HMA | Medium | Moderate |
| 5 | Provide warning systems at each center | All | Sumter County Opportunity Board | Local/HMA | Medium | Moderate |
| 5 | Provide generators at each center | All | Sumter County Opportunity Board | Local/HMA | Medium | Moderate |

| North Sumter Development Corporation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 5 | Weather radios for residents | All | North Sumter Development Corporation Board | Local/HMA | Medium | Moderate |
| 6 | Provide hazard information to members | All | North Sumter Development Corporation Board | Local | Medium | Moderate |

| Panola Enrichment Center Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 5 | Weather radios for residents | All | Panola Enrichment Center Board | Local/HMA | Medium | Moderate |
| 6 | Provide hazard information to members | All | Panola Enrichment Center Board | Local | Medium | Moderate |
| 5 | Backup generator for Panola Community Center | All | Panola Enrichment Center Board | Local/HMA | Medium | Moderate |

| Tuscaloosa County Board of Education Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal/ Number** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 4 | Construct storm retrofits to educational buildings | Thunderstorms, Tornados, Hurricanes | Tuscaloosa County BOE | HMA Grants, Local | High | Moderate |
| 4.1 | Construct/ install community safe rooms to educational buildings to include backup generators | Thunderstorms, Tornados, Hurricanes | Tuscaloosa County BOE | HMA Grants, Local | High | Moderate |
| 4.2 | Construct/install individual storm shelter to educational buildings | Thunderstorms, Tornados, Hurricanes | Tuscaloosa County BOE | HMA Grants, Local | Low | High |
| 5 | Provide generators for educational buildings | All | Tuscaloosa County BOE | HMA Grants, Local | High | High |

## Tuscaloosa County Commisson Mitigation Action Plan

| Goal/ Number | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 1 | Identify flood prone areas; conduct engineering studies, and construct drainage improvements to reduce flood damages. | Flooding | County Engineer | Local, FEMA HMA, ADECA | Ongoing | Low |
| 1.1 | Train and certify local flood plain managers through programs offered by the State Flood Plain Coordinator and FEMA. | Flooding | County Engineer | Local, State | Ongoing | High |
| 1.2 | Develop a library of guidance materials to assist local floodplain managers. | Flooding | County Engineer | Local | Ongoing | High |
| 1.3 | Maintain membership of local flood plain managers in the Association of State Flood Plain Managers and the Alabama Association Flood Plain Managers; encourage active participation. | Flooding | County Engineer | Local | Ongoing | High |
| 1.4 | Participate in the “Turn Around Don’t Drown” program; acquire and place signs at bridge and overpass locations known to flood. | Flooding | County Commission | Local | Medium | High |
| 1.5 | Promote the adoption/enforcement of storm water management regulations that, at a minimum, maintain pre-development runoff rates. | Flooding | County Engineer | ADEM | Ongoing | High |
| 1.6 | As feasible, apply for/maintain membership in the CRS Program. Seek to upgrade rating when possible. | Flooding | County Engineer | Local | High | High |
| 1.7 | Develop a comprehensive inventory and vulnerability assessment of critical facilities and residential properties located in high and moderate wildfire risk areas. | Wildfire | Alabama State Forestry Commission | Local | Medium | Moderate |
| 2 | Encourage property owners and renters to purchase insurance coverage for flood damages when located in high-risk areas. | Flood | Financial Institutions | Financial Institutions | Ongoing | High |
| 2.1 | Identify need and install lightning and/or surge protection on critical facilities. | Severe Storms | County EMA | Local | Ongoing | Moderate |

## Tuscaloosa County Commission Mitigation Action Plan

| Goal/ Number | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 2.2 | Conduct ongoing tree trimming programs along electrical transmission lines. | Severe Storms, Wildfires, Winter Storms | Electrical Service Providers | Providers | Ongoing | Low |
| 3 | Enact and/or enforce regulations prohibiting littering and dumping within stream and river corridors. | Flooding | ADEM | Local | Ongoing | High |
| 3.1 | Promote use of Best Management Practices (BMP); encourage use of technical assistance from the Alabama Cooperative Extension System. | Flooding | County Engineer | Local | Ongoing | High |
| 4 | Install drainage improvements in identified problem drainage areas to reduce or eliminate localized flooding. | Flooding | County Engineer | Local, ADECA | Ongoing | Moderate |
| 4.1 | Maintain or upgrade water supply systems to conserve water during drought events; eliminate breaks and leaks to reduce system-wide water loss. | Drought | Local water systems | Local, ADECA | High | Moderate |
| 4.2 | Construct new community safe rooms and include safe rooms in new and existing public and institutional buildings. | Hurricanes, Tornadoes, Severe Storms | County Commission, County Fire Associations | Local, FEMA HMA | Ongoing | Low |
| 4.4 | Develop a program for subsidizing individual and community safe room construction in prioritized locations and facilities. | Hurricanes, Tornadoes, Severe Storms | County Commission | Local, FEMA HMA | Ongoing | Low |
| 5 | Upgrade outdoor siren-warning systems to ensure complete coverage to all jurisdictions. | All | County Commission, County EMA | Local | Ongoing | Moderate |
| 5.1 | Maintain, upgrade, or expand critical communications infrastructure. | All | County Commission, County Fire Association | Local, ALEA | Ongoing | Moderate |

| Tuscaloosa County Commission Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal/ Number** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit/ Cost Score** |
| 5.2 | Install backup power generators at critical facilities. | Hurricanes, Tornadoes, Severe Storms | County Commission, County Fire Association | Local | Ongoing | Moderate |
| 6 | Conduct outreach activities to residents using multiple media platforms or workshops to implement hazard mitigation measures in the home. | All | County EMA, LEPC | Local | Ongoing | High |
| 6.1 | Promote and increase disaster resilience for local businesses through workshops, educational materials and planning guides. | All | County EMA | Local | Ongoing | High |
| 6.2 | Distribute outreach materials to citizens, builders and business owners inquiring about a flood problem, a building permit or other natural hazard related questions. | Flooding | County Engineer | Local | Ongoing | High |
| 6.3 | Promote water conservation; educate citizens on water saving tips and available resources. | Drought | County Agent | Local | Ongoing | High |
| 6.4 | Encourage farmers to use available resources to adopt soil and water conservation practices. | Drought | County Agent | Local | Ongoing | High |
| 6.5 | Provide resources and technical assistance to homeowners, builders, and developers on flood protection measures and alternatives. | Flooding | County Engineer | Local | Ongoing | High |

## 2014 Tuscaloosa County Community Action Program - Actions Removed 2020

| | Goal, Objectives and Mitigation Measures | Hazards Addressed | Priority | Timeline | Lead Responsibility for Carrying Out Measure | Action or Project | Estimated Cost | Funding Source | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | **Goal for Prevention. Manage the development of land and buildings to minimize risks of loss due to natural hazards.** | | | | | | | | |
| 1.1.1 | Maintain up-to-date comprehensive plans for all jurisdictions. Each plan should address natural hazards exposure and include long term disaster resistance measures. The vulnerability and environmental suitability of lands for future development should be clearly addressed. Local plans should assess the vulnerability of designated hazard areas and encourage open space planning to create amenities for recreation and conservation of fragile resources. | All | Medium | Mid-Range | County Commission | Action | TBD | TBD | Removed |
| 1.1.2 | Integrate the findings and recommendations of this plan into comprehensive plan amendments for jurisdictions with active comprehensive planning programs. | All | Medium | Mid-Range | County Commission | Action | TBD | TBD | Removed |
| 1.1.3 | Prepare a five-year capital improvements plan (CIP) to include capital projects that implements the natural hazards element of the community's comprehensive plan or projects identified in the Community Mitigation Action Program of this multi-hazard mitigation plan. | All | Medium | Mid-Range | County Commission | Action | TBD | TBD | Removed |
| 1.2.1 | Maintain a centralized, countywide natural hazards and risk assessment database in GIS that is accessible to local planners and emergency management personnel, including such data as, flood zones, geohazards, major drainages structures, dams/levees, hurricane surge areas, tornado tracks, disaster events and their extents, and a comprehensive inventory of critical facilities within all jurisdictions. | All | Medium | Mid-Range | County Commission | Action | No Additional Cost | Existing Funds | Removed |
| 1.2.2 | Integrate FEMA HAZUS-MH applications for hazard loss estimations within local GIS programs. Maintain up-to-date data within GIS to apply the full loss estimation capabilities of HAZUS. | All | H-M-L | S-M-L | County Commission | Action | TBD | TBD | Removed |
| 1.3.2 | Identify existing culturally or socially significant structures and critical facilities within participating jurisdictions that have the most potential for losses from natural hazard events and identify needed structural upgrades. | All | Medium | Mid-Range | County Engineer | Action | No Additional Cost | Existing Funds | Removed |
| 1.3.3 | Evaluate elevation and culvert sizing of existing roadways in flash flood-prone areas to ensure compliance with current standards for design year floods, and develop a program for construction upgrades as appropriate. | Flooding | Medium | Mid-Range | County Engineer | Action | No Additional Cost | Existing Funds | Removed |
| 1.3.4 | Inventory and map existing fire hydrants throughout the county, and identify areas in need of new fire hydrants. | Wildfires | Low | Long-Range | Fire Department | Action | No Additional Cost | Existing Funds | Removed |
| 1.4.3 | Require delineation of flood plain fringe, floodways, and wetlands on all plans submitted with a permit for development within a flood plain. | Flooding | Medium | Mid-Range | County Engineer | Action | No Additional Cost | Existing Funds | Removed |
| 1.5.1 | Examine regulatory options and feasibility of requiring open space areas for recreation, landscaping, and drainage control. | Flooding | Low | Long-Range | County Engineer | Action | No Additional Cost | Existing Funds | Removed |

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|---|---|---|---|---|---|---|---|---|---|
| 1.9.2 | Develop, adopt and implement subdivision regulations that require proper stormwater infrastructure design and construction. | Flooding | Low | Long-Range | County Commission | Action | No Additional Cost | Existing Funds | Removed |
| 1.10.1 | Support legislation to establish a State dam safety program. | Dam/Levee Failure | Low | Long-Range | County Commission | Action | No Additional Cost | Existing Funds | Removed |
| 1.12.1 | Perform vulnerability assessments of critical facilities to identify retrofit projects to improve the safety of occupants and mitigate damages from hazards. | Flooding, Tornadoes, Hurricanes, Severe Storms and Earthquakes | High | Mid-Range | TBD | Action | TBD | TBD | Removed |
| 2 | **Goal for Property Protection: Protect structures and their occupants and contents from the damaging effects of natural hazards.** | | | | | | | | |
| 2.1.1 | Relocate buildings out of hazardous flood areas, with emphasis on pre-FIRM residential buildings, where deemed more cost effective than property acquisition or building elevation. | Flooding | Medium | Ongoing | County Engineer | Project | TBD | FEMA HMA Grant | Removed |
| 2.2.1 | Acquire and demolish flood prone or substantially damaged structures and replace with permanent open space. | Flooding | Medium | Ongoing | County Engineer | Project | TBD | FEMA HMA Grant | Removed |
| 2.2.2 | Utilize the most recent NFIP repetitive loss property list, and other appropriate sources, to create and maintain a prioritized list of acquisition mitigation projects based on claims paid. | Flooding | Medium | Ongoing | County Engineer | Project | TBD | FEMA HMA Grant | Removed |
| 2.3.1 | Elevate certain buildings in flood prone areas where acquisition or relocation is not feasible, with emphasis on Pre-FIRM buildings; where feasible, elevation is preferable to flood proofing. | Flooding | Medium | Ongoing | County Engineer | Project | TBD | FEMA HMA Grant | Removed |
| 2.3.2 | Repair, elevate and weatherize existing homes for low- to moderate-income families. | Flooding | Medium | Ongoing | County Engineer | Project | TBD | FEMA HMA Grant | Removed |
| 2.4.1 | Flood proof pre-FIRM non-residential buildings, where feasible. | Flooding | Medium | Ongoing | County Engineer | Project | TBD | FEMA HMA Grant | Removed |
| 2.4.2 | Examine use of minor structural projects (small berm or floodwalls) in areas that cannot be mitigated through non- structural mitigation techniques. | Flooding | Medium | Ongoing | County Engineer | Project | TBD | FEMA HMA Grant | Removed |
| 2.5.1 | Retrofit existing buildings, critical facilities, and infrastructure against potential damages from natural and manmade hazards. | Flooding, Tornadoes, Hurricanes, Severe Storms and Earthquakes | Medium | Mid-Range | County Engineer | Action | TBD | FEMA HMA Grant | Removed |
| 2.5.2 | Provide technical advisory assistance to building owners on available building retrofits to protect against natural hazards damages. | Flooding, Tornadoes, Hurricanes, Severe Storms and Earthquakes | Medium | Ongoing | County Engineer | Action | TBD | FEMA HMA Grant | Removed |
| 3 | **Goal for Public Education and Outreach. Educate and inform the public about the risks of hazards and the techniques available to reduce threats to life and property.** | | | | | | | | |
| 3.2.1 | Continue to participate in environmental awareness events to provide the public information on hazard exposure and mitigation measures, such as City/County Day, Hurricane Awareness Week, and Severe Weather Week. | All | High | Ongoing | County Commission | Action | No Additional Cost | Existing Funds | Removed |
| 3.6.1 | Distribute the 2014 plan to local officials, stakeholders, and interested individuals through internet download. | All | Medium | Ongoing | County Commission | Action | No Additional Cost | Existing Funds | REMOVED |
| 3.8.1 | Maintain appropriate media relationships to ensure the public is informed of hazard threats and means to mitigate property damages and loss of life. | All | Medium | Ongoing | County Commission | Action | No Additional Cost | Existing Funds | Removed |

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|---|---|---|---|---|---|---|---|---|---|
| 3.9.1 | Promote the use of weather radios in households and businesses. 280 | All | Medium | Ongoing | County Commission | Action | No Additional Cost | Existing Funds | Removed |
| 3.9.2 | Encourage the installation of weather radios in all public buildings and places of public assembly. | All | High | Short-Range | County Commission | Action | No Additional Cost | Existing Funds | Removed |
| 3.9.3 | Distribute weather radios and emergency response instructions to municipal residents. | All | Medium | Mid-Range | County Commission | Action | TBD | FEMA HMA Grant | Removed |
| **4** | **Goal for Natural Resources Protection. Preserve and restore the beneficial functions of the natural environment to promote sustainable community development that balances the constraints of nature with the social and economic demands of the community.** | | | | | | | | |
| 4.1.1 | Increase open space acquisitions through the FEMA HMA Grant Programs and other flood plain acquisition efforts. | Flooding | Medium | Mid-Range | County Commission | Project | TBD | FEMA HMA Grant | Removed |
| **5** | **Goal for Structural Projects. Apply engineered structural modifications to natural systems and public infrastructure to reduce the potentially damaging impacts of hazards, where feasible, cost effective, and environmentally suitable.** | | | | | | | | |
| 5.1.1 | Prepare and implement standard operating procedures and guidelines for drainage system maintenance. | Flooding | Medium | Ongoing | County Engineer | Action | No Additional Cost | Existing Funds | Removed |
| 5.3.3 | Encourage the construction of safe rooms in new and existing homes and buildings. | Hurricanes, Tornadoes, Severe Storms | High | Ongoing | County Commission | Project | No Additional Cost | Existing Funds | Removed |

The removed actions were determined by the jurisdiction to no longer be relevant or feasible at this time. Remaining actions from the 2014 plan were reorganized into the new plan goal areas and modified as deemed necessary.

# City of Northport Mitigation Action Plan

| Goal | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 1 | Maintain a current comprehensive plan to include natural hazard threats and long-term disaster resistance measures. | All | Mayor and Council | TBD | High | Moderate |
| 1.1 | Integrate recommendations of the Division C Hazard Mitigation plan into current or future comprehensive plans. | All | Mayor and Council | TBD | High | High |
| 1.2 | Mark and catalog depths of flooding and storm surge events and maintain data for historical records in GIS. | Flooding | Floodplain Manager | Existing Funds | Ongoing | High |
| 1.3 | Perform planning and engineering studies for sub-basins in critical flood hazard areas to identify actions to address flooding. | Flooding | City Engineer | TBD | Low | Moderate |
| 1.4 | Identify structural upgrades for culturally or socially significant critical facilities and structures. | All | Building Inspector | Existing Funds | High | High |
| 1.5 | Identify needed upgrades to elevation and culvert sizing of existing roadways in flood-prone areas and develop a program for construction improvements. | Flooding | City Engineer | Existing Funds | High | High |
| 1.6 | Identify flood prone areas; conduct engineering studies, and construct drainage improvements to reduce flood damages. | Flooding | City Engineer | TBD | High | Moderate |
| 1.7 | Require flood plain fringe, floodways, and wetlands be identified on all plans submitted with a permit for development within a flood plain. | Flooding | City Engineer | Existing Funds | High | High |
| 1.8 | Adopt policy to prioritize the acquisition and development of open space areas for recreation, landscaping, and drainage control. | Flooding | Planning Dept. | Existing Funds | Low | High |
| 1.9 | Train and certify local flood plain managers through programs offered by the State Flood Plain Coordinator and FEMA. | Flooding | Mayor and Council | Existing Funds | High | High |
| 1.10 | Develop a library of guidance materials to assist local floodplain managers. | Flooding | Floodplain Manager | Existing Funds | High | High |

## City of Northport Mitigation Action Plan

| Goal | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 1.11 | Encourage NFIP communities to adopt uniform flood hazard prevention ordinances that encourage retaining the natural and beneficial functions of flood plains. | Flooding | Mayor and Council, Floodplain Manager | Existing Funds | Low | High |
| 1.12 | Maintain membership of local flood plain managers in the Association of State Flood Plain Managers and the Alabama Association Flood Plain Managers; encourage active participation. | Flooding | Mayor and Council | Existing Funds | High | High |
| 1.13 | Improve flood risk assessments by providing post-event high water mark readings, verification of FEMA's repetitive loss inventory, and other data as identified. | Flooding | Floodplain Manager | Existing Funds | Ongoing | High |
| 1.14 | Promote construction best management practices and apply code enforcement to reduce and mitigate structural failures from hazard events. | All | Building Inspector | Existing Funds | Ongoing | High |
| 1.15 | Evaluate and increase building code requirements for roof construction to maximize protection from wind events; encourage installation of "hurricane clips." | Tornadoes, Hurricanes, Severe Storms | Building Inspector | Existing Funds | Ongoing | High |
| 1.16 | Adopt and enforce fire safety ordinances that effectively address and regulate open burning and the use of liquid fuels. | Wildfires | Fire Department | Existing Funds | Ongoing | High |
| 1.17 | Adopt and enforce by code or ordinance, minimum property maintenance standards to reduce or eliminate unsafe structures. | All | Building Inspector | Existing Funds | Ongoing | High |
| 1.18 | Where feasible, require the construction of safe rooms within new public buildings, such as schools, libraries, community centers, or others as appropriate. | Tornadoes, Hurricanes, Severe Storms | Mayor and Council | Existing Funds | Ongoing | High |
| 1.19 | Promote use of green infrastructure methods to encourage and manage natural infiltration of rainwater. | Flooding | Mayor and Council | Existing Funds | Low | Moderate |

## City of Northport Mitigation Action Plan

| Goal | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 1.20 | Promote the adoption/enforcement of storm water management regulations that, at a minimum, maintain pre-development runoff rates. | Flooding | Mayor and Council, City Engineer | Existing Funds | Low | High |
| 1.21 | Adopt subdivision regulations that require adequate stormwater infrastructure design and construction. | Flooding | Mayor and Council, City Engineer | Existing Funds | Medium | High |
| 1.22 | Encourage and support legislation to establish a State dam safety program. | Dam/Levee Failure | Mayor and Council | Existing Funds | Low | High |
| 1.23 | As feasible, apply for/maintain membership in the CRS Program. Seek to upgrade rating when possible. | Flooding | Floodplain Manager | Existing Funds | High | High |
| 1.24 | Carry out vulnerability assessments of critical facilities to identify retrofit projects to mitigate damages from hazards. | Flooding, Tornadoes, Hurricanes, Severe Storms and Earthquakes | City Engineer | TBD | High | High |
| 2 | Require new utility lines be placed underground for large residential subdivisions and commercial developments through enforcement of local subdivision and land development regulations. Move existing utility lines underground, where feasible and cost effective. | Tornadoes, severe storms, winter storms/freezes, hurricanes | Mayor and Council | TBD | Ongoing | Low |
| 2.1 | Relocate buildings out of hazardous flood areas when deemed more cost effective than property acquisition or building elevation. | Flooding | Mayor and Council, Building Inspector | FEMA HMA Grant | Ongoing | Low |
| 2.2 | Acquire and demolish substantially damaged flood prone structures; replace with permanent open space. | Flooding | Mayor and Council, Building Inspector | FEMA HMA Grant | Ongoing | Low |
| 2.3 | Develop and maintain a prioritized list of acquisition mitigation projects based on repetitive loss claims paid. | Flooding | Building Inspector, Floodplain Manager | FEMA HMA Grant | Ongoing | High |

## City of Northport Mitigation Action Plan

| Goal | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 2.4 | Elevate prioritized Pre-FIRM buildings in flood prone areas where acquisition or relocation is not feasible. | Flooding | Mayor and Council, Building Inspector | FEMA HMA Grant | Ongoing | Low |
| 2.5 | Where feasible, flood proof pre-FIRM non-residential buildings. | Flooding | Mayor and Council, Building Inspector | FEMA HMA Grant | Ongoing | Low |
| 2.6 | Provide assistance to building owners on available building retrofits to protect against damages from natural hazards. | Flooding, Tornadoes, Hurricanes, Severe Storms and Earthquakes | Building Inspector | FEMA HMA Grant | Ongoing | High |
| 2.7 | Identify need and install lightning and/or surge protection on critical facilities. | Severe storms | Information Technology Dept. | TBD | Ongoing | Moderate |
| 3 | Increase open space acquisitions and other flood plain acquisition efforts. | Flooding | Mayor and Council | FEMA HMA Grant | High | Low |
| 3.1 | Enact and/or enforce regulations prohibiting littering and dumping within stream and river corridors. | Flooding | City Engineer | Existing Funds | Ongoing | High |
| 3.2 | Promote use of Best Management Practices (BMP); encourage use of technical assistance from the Alabama Cooperative Extension System. | Flooding | Mayor and Council | Existing Funds | Low | High |
| 3.3 | Establish and enforce water use policies and restrictions during periods of drought. | Droughts/heat waves, wildfires | Mayor and Council | Existing Funds | Ongoing | High |
| 4 | Develop and implement guidelines and standard operating procedures for drainage system maintenance. | Flooding | Public Works Dept. | Existing Funds | Ongoing | High |
| 4.1 | Install drainage improvements in identified problem drainage areas to reduce or eliminate localized flooding. | Flooding | Public Works Dept. | FEMA HMA Grant | High | Low |

## City of Northport Mitigation Action Plan

| Goal | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 5 | Maintain, upgrade, or expand critical communications infrastructure. | All | Mayor and Council | FEMA HMA Grant | High | High |
| 5.1 | Install backup power geneators at critical facilities. | Hurricanes, Tornadoes, Severe Storms | Public Works Dept. | FEMA HMA Grant | Ongoing | Low |
| 6 | Increase access and use of FIRM information by real estate agents, builders, developers, and homeowners through announcements in local trade publications and newspapers. | Flooding | Floodplain Manager | Existing Funds | Low | High |
| 6.1 | Participate in public awareness events such as City/County Day, Hurricane Awareness Week, and Severe Weather Week. | All | Mayor and Council | Existing Funds | Ongoing | High |
| 6.2 | Conduct outreach activities to residents using multiple media platforms or workshops to implement hazard mitigation measures in the home. | All | Mayor and Council | Existing Funds | Ongoing | High |
| 6.3 | Promote and increase disaster resilience for local businesses through workshops, educational materials and planning guides. | All | Mayor and Council | Existing Funds | Ongoing | High |
| 6.4 | Distribute outreach materials to citizens, builders and business owners inquiring about a flood problem, a building permit or other natural hazard related questions. | Flooding | Mayor and Council | Existing Funds | Ongoing | Moderate |
| 6.5 | Promote water conservation; educate citizens on water saving tips and available resources. | Drought | Public Works Dept. | Existing Funds | Ongoing | High |
| 6.6 | Distribute the 2020 Division C Hazard Mitigation plan to local officials, stakeholders, and interested individuals via web posting and as requested. | All | Mayor and Council | Existing Funds | Ongoing | High |
| 6.7 | Ensure the public is informed of hazard threats and mitigation measures to reduce damages and loss of life through local and social media outlets. | All | Mayor and Council | Existing Funds | Ongoing | High |

# 2014 City of Northport Community Action Program - Actions REMOVED 2020

| | Goal, Objectives and Mitigation Measures | Hazards Addressed | Priority | Timeline | Lead Responsibility for Carrying Out Measure | Action or Project | Estimated Cost | Funding Source | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | **Goal for Prevention. Manage the development of land and buildings to minimize risks of loss due to natural hazards.** | | | | | | | | |
| 1.3.4 | Inventory and map existing fire hydrants throughout the county, and identify areas in need of new fire hydrants. | Wildfires | Low | Long-Range | Fire Department | Action | No Additional Cost | Existing Funds | REMOVED |
| 1.3.6 | Develop an inventory of public and commercial building vulnerable to earthquake damage, focusing on pre 1940 construction and buildings with cripple wall foundations. | Earthquake | Low | Long-Range | Mayor and Council | Project | TBD | TBD | REMOVED |
| 1.4.1 | Consider large lot size restrictions on flood prone areas designated on Flood Insurance Rate Maps. | Flooding | Low | Long-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | REMOVED |
| 1.4.2 | Evaluate additional land use restrictions within designated flood zones, such as prohibition of storage of buoyant materials, storage of hazardous materials, and restrictive development of flood ways, among others. | Flooding | Low | Long-Range | Mayor and Council. Floodplain Manager | Action | No Additional Cost | Existing Funds | REMOVED |
| 1.4.4 | Enact local ordinance that require community storm shelters within sizeable mobile home parks and subdivisions. | Tornadoes, Hurricanes, Severe Storms | High | Short-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | REMOVED |
| 1.6.5 | Participate in the "Turn Around Don't Drown" program by purchasing and installing signs in known flash flood bridge overpass locations. | Flooding | Medium | Mid-Range | Mayor and Council | Project | No Additional Cost | Existing Funds | REMOVED |
| 1.9.3 | Establish urban forestry program to help mitigate storm water runoff common in areas with large impervious surfaces. | Flooding | Low | Long-Range | Mayor and Council | Action | TBD | TBD | REMOVED |
| 2 | **Goal for Property Protection: Protect structures and their occupants and contents from the damaging effects of natural hazards.** | | | | | | | | |
| 2.3.2 | Repair, elevate and weatherize existing homes for low- to moderate-income families. | Flooding | Medium | Ongoing | Building Inspector | Project | TBD | FEMA HMA Grant | REMOVED |
| 2.5.1 | Retrofit existing buildings, critical facilities, and infrastructure against potential damages from natural and manmade hazards. | Flooding, Tornadoes, Hurricanes, Severe Storms and Earthquakes | Medium | Mid-Range | Mayor and Council, Building Inspector | Action | TBD | FEMA HMA Grant | REMOVED |
| 2.6.1 | Promote the purchase of insurance coverage by property owners and renters for flood damages in high-risk areas. | All | Medium | Ongoing | Mayor and Council | Action | No Additional Cost | Existing Funds | REMOVED |
| 3 | **Goal for Public Education and Outreach. Educate and inform the public about the risks of hazards and the techniques available to reduce threats to life and property.** | | | | | | | | |
| 3.3.1 | Arrange with the Multiple Listing Service (MLS) to require floodplain location disclosure as a condition for each real estate listing. | Flooding | Low | Long-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | REMOVED |
| 3.3.2 | Consider the enactment of a local ordinance or state law to require floodplain location disclosure when a property is listed for sale. | Flooding | Low | Long-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | REMOVED |
| 3.5.2 | Educate homeowners about structural and non-structural retrofitting of vulnerable homes. | Earthquake | Medium | Ongoing | Mayor and Council | Action | No Additional Cost | Existing Funds | REMOVED |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 3.6.1 | Distribute the 2014 plan to local officials, stakeholders, and interested individuals through internet download. | All | Medium | Ongoing | Mayor and Council | Action | No Additional Cost | Existing Funds | REMOVED |
| 3.7.1 | Provide technical assistance to homeowners, builders, and developers on flood protection alternatives. | Flooding | Low | Ongoing | Floodplain Manager | Action | No Additional Cost | Existing Funds | REMOVED |
| 3.9.1 | Promote the use of weather radios in households and businesses. | All | Medium | Ongoing | Mayor and Council | Action | No Additional Cost | Existing Funds | REMOVED |
| 3.9.2 | Require the installation of weather radios in all public buildings and places of public assembly. | All | High | Short-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | REMOVED |
| 3.9.3 | Distribute weather radios and emergency response instructions to municipal residents. | All | Medium | Mid-Range | Mayor and Council | Action | TBD | FEMA HMA Grant | REMOVED |
| 3.10.1 | Upgrade siren-warning systems to provide complete coverage to all jurisdictions. | Flooding | Medium | Ongoing | Mayor and Council | Project | TBD | FEMA HMA Grant | REMOVED |
| **4** | **Goal for Natural Resources Protection. Preserve and restore the beneficial functions of the natural environment to promote sustainable community development that balances the constraints of nature with the social and economic demands of the community.** | | | | | | | | |
| 4.2.1 | Keep builders and developers informed of Federal wetlands permitting requirements of the Corps of Engineers. | Flooding | Medium | Ongoing | Building Inspector | Action | No Additional Cost | Existing Funds | REMOVED |
| **5** | **Goal for Structural Projects. Apply engineered structural modifications to natural systems and public infrastructure to reduce the potentially damaging impacts of hazards, where feasible, cost effective, and environmentally suitable.** | | | | | | | | |
| 5.2.2 | Improve and retrofit water supply systems to save water during drought events and to eliminate breaks and leaks. | Drought | Low | Mid-Range | City Engineer | Project | TBD | FEMA HMA Grant | REMOVED |
| 5.3.1 | Construct new community safe rooms in accessible locations and add safe rooms within new and existing public and institutional buildings, such as schools, colleges and universities, senior centers, community centers, hospitals, and government buildings. | Hurricanes, Tornadoes, Severe Storms | High | Ongoing | Mayor and Council | Project | TBD | FEMA HMA Grant | REMOVED |
| 5.3.2 | Establish a program for subsidizing individual and community safe room construction in appropriate locations and facilities. | Hurricanes, Tornadoes, Severe Storms | High | Ongoing | Mayor and Council | Project | TBD | FEMA HMA Grant | REMOVED |
| 5.3.3 | Encourage the construction of safe rooms in new and existing homes and buildings. | Hurricanes, Tornadoes, Severe Storms | High | Ongoing | Mayor and Council | Project | No Additional Cost | Existing Funds | REMOVED |

The removed actions were determined by the jurisdiction to no longer be relevant or feasible at this time. Remaining actions from the 2014 plan were reorganized into the new plan goal areas and modified as deemed necessary.

# City of Tuscaloosa Mitigation Action Plan

| Goal/ Number | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 1 | Maintain a current comprehensive plan to include natural hazard threats and long-term disaster resistance measures. | All | Mayor/Council | Existing Funds | Ongoing | Moderate |
| 1.1 | Integrate recommendations of the Division C Hazard Mitigation plan into current or future comprehensive plans. | All | Mayor/Council | Existing Funds | Ongoing | Moderate |
| 1.2 | Develop a five-year capital improvement plan (CIP) to include capital projects from this multi-hazard mitigation plan. | All | Mayor/Council | Existing Funds | Ongoing | High |
| 1.3 | Maintain a countywide centralized GIS database to include a comprehensive inventory of critical facilities within all jurisdictions. | All | Mayor/Council | Existing Funds | Medium | Moderate |
| 1.4 | Integrate FEMA HAZUS-MH within local GIS programs and maintain up-to-date data within GIS fully utilize the capabilities of HAZUS. | All | Mayor/Council | Existing Funds | Low | Moderate |
| 1.5 | Mark and catalog depths of flooding and storm surge events and maintain data for historical records in GIS. | Flooding | City Engineer | Existing Funds | High | High |
| 1.6 | Perform planning and engineering studies for sub-basins in critical flood hazard areas to identify actions to address flooding. | Flooding | City Engineer | TBD | Ongoing | Low |
| 1.7 | Identify needed upgrades to elevation and culvert sizing of existing roadways in flood-prone areas and develop a program for construction improvements. | Flooding | City Engineer | Existing Funds | Medium | Moderate |
| 1.8 | Map and assess existing fire hydrants and identify areas in need of new fire hydrants. | Flooding | City IPS Dept., Fire Dept. | Existing Funds | Low | High |
| 1.9 | Identify flood prone areas; conduct engineering studies, and construct drainage improvements to reduce flood damages. | Flooding | City Engineer | TBD | Medium | Low |

## City of Tuscaloosa Mitigation Action Plan

| Goal/ Number | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 1.10 | Develop an inventory of critical facilities vulnerable to earthquake damage, noting pre 1940 construction and buildings with cripple wall foundations. | Earthquake | City Engineer, Building Inspector | TBD | Low | Low |
| 1.11 | Enact large lot size restrictions in flood prone areas designated on Flood Insurance Rate Maps. | Flooding | Mayor/Council, City Planning and Zoning | Existing Funds | Ongoing | Moderate |
| 1.12 | Evaluate additional land use restrictions within designated flood zones, such as prohibition of storage of buoyant materials, storage of hazardous materials, restrictive development of flood ways. | Flooding | City Engineer, Building Inspector | Existing Funds | Medium | Low |
| 1.13 | Require flood plain fringe, floodways, and wetlands be identified on all plans submitted with a permit for development within a flood plain. | Flooding | City Engineer, Building Inspector | Existing Funds | Ongoing | High |
| 1.14 | Enact local ordinance to require large scale mobile home parks and subdivisions to provide community safe room(s). | Tornadoes, Hurricanes, Severe Storms | Mayor/Council, City Planning and Zoning | Existing Funds | High | High |
| 1.15 | Adopt policy to prioritize the acquisition and development of open space areas for recreation, landscaping, and drainage control. | Flooding | Mayor/Council, City Planning and Zoning | Existing Funds | Medium | High |
| 1.16 | Train and certify local flood plain managers through programs offered by the State Flood Plain Coordinator and FEMA. | Flooding | City Engineer | Existing Funds | Ongoing | High |
| 1.17 | Develop a library of guidance materials to assist local floodplain managers. | Flooding | City Engineer | Existing Funds | Ongoing | High |
| 1.18 | Maintain membership of local flood plain managers in the Association of State Flood Plain Managers and the Alabama Association Flood Plain Managers; encourage active participation. | Flooding | City Engineer | Existing Funds | Ongoing | High |
| 1.19 | Participate in the “Turn Around Don’t Drown” program; acquire and place signs at bridge and overpass locations known to flood. | Flooding | Mayor/Council | Existing Funds | Ongoing | High |

| City of Tuscaloosa Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal/ Number** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 1.20 | Improve flood risk assessments by providing post-event high water mark readings, verification of FEMA's repetitive loss inventory, and other data as identified. | Flooding | City Floodplain Manager | Existing Funds | Ongoing | High |
| 1.21 | Promote construction best management practices and apply code enforcement to reduce and mitigate structural failures from hazard events. | All | Building Inspector | Existing Funds | Ongoing | High |
| 1.22 | Evaluate and increase building code requirements for roof construction to maximize protection from wind events; encourage installation of "hurricane clips." | Tornadoes, Hurricanes, Severe Storms | Building Inspector | Existing Funds | Ongoing | High |
| 1.23 | Adopt and enforce fire safety ordinances that effectively address and regulate open burning and the use of liquid fuels. | Wildfires | Building Inspector | Existing Funds | Ongoing | High |
| 1.24 | Adopt and enforce by code or ordinance, minimum property maintenance standards to reduce or eliminate unsafe structures. | Wildfire | Building Inspector | Existing Funds | Ongoing | High |
| 1.25 | Where feasible, require the construction of safe rooms within new public buildings, such as schools, libraries, community centers, or others as appropriate. | Tornadoes, Hurricanes, Severe Storms | Mayor/Council | Existing Funds | Ongoing | High |
| 1.26 | Adopt subdivision regulations that require adequate stormwater infrastructure design and construction. | Flooding | Mayor/Council, City Planning and Zoning | Existing Funds | Ongoing | High |
| 1.27 | Encourage and support legislation to establish a State dam safety program. | Dam/Levee Failure | Mayor/Council | Existing Funds | Low | High |
| 1.28 | As feasible, apply for/maintain membership in the CRS Program. Seek to upgrade rating when possible. | Flooding | City Floodplain Manager | Existing Funds | Ongoing | High |

## City of Tuscaloosa Mitigation Action Plan

| Goal/ Number | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 1.29 | Carry out vulnerability assessments of critical facilities to identify retrofit projects to mitigate damages from hazards. | All | City IPS Dept, Building Inspector | TBD | High | Low |
| 1.30 | Develop a comprehensive inventory and vulnerability assessment of critical facilities and residential properties located in high and moderate wildfire risk areas. | Wildfires | Fire Dept. | Existing Funds | Low | High |
| 1.31 | Promote use of green infrastructure methods to encourage and manage natural infiltration of rainwater. | Flooding | Mayor/Council, City Engineer | Existing Funds | Ongoing | Moderate |
| 1.32 | Promote the adoption/enforcement of storm water management regulations that, at a minimum, maintain pre-development runoff rates. | Flooding | Mayor/Council, City Engineer | Existing Funds | Ongoing | High |
| 2 | Elevate prioritized Pre-FIRM buildings in flood prone areas where acquisition or relocation is not feasible. | Flooding | Mayor/Council, City Floodplain Manager | FEMA HMA Grant | Medium | Moderate |
| 2.1 | Repair, elevate and weatherize existing homes for low- to moderate-income families. | Flooding | Mayor/Council, Building Inspector | FEMA HMA Grant | Medium | Moderate |
| 2.2 | Where feasible, flood proof pre-FIRM non-residential buildings. | Flooding | Mayor/Council | FEMA HMA Grant | Medium | Moderate |
| 2.3 | Retrofit existing infrastructure, critical facilities and other buildings to minimize damages from natural hazards. | All | Mayor/Council, City Engineer | FEMA HMA Grant | Medium | Moderate |
| 2.4 | Encourage property owners and renters to purchase insurance coverage for flood damages when located in high-risk areas. | Flooding | Mayor/Council, City Floodplain Manager | Existing Funds | Ongoing | High |
| 2.5 | Encourage farmers purchase crop insurance to cover potential losses due to drought. | Drought | Mayor/Council | Existing Funds | Ongoing | High |

## City of Tuscaloosa Mitigation Action Plan

| Goal/ Number | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 2.6 | Require new utility lines be placed underground for large residential subdivisions and commercial developments through enforcement of local subdivision and land development regulations. Move existing utility lines underground, where feasible and cost effective. | All | Mayor/Council | Existing Funds | Ongoing | Moderate |
| 2.7 | Develop and maintain a prioritized list of acquisition mitigation projects based on repetitive loss claims paid. | Flooding | City Engineer, City Floodplain Manager | FEMA HMA Grant | Medium | Moderate |
| 2.8 | Acquire and relocate or demolish structures located in landslide hazard areas; enforce permanent restrictions against rebuilding in area. | Landslide | Mayor/Council, City Engineer | FEMA HMA Grant | Low | Moderate |
| 2.9 | Provide assistance to building owners on available building retrofits to protect against damages from natural hazards. | All | Mayor/Council | Existing Funds | Ongoing | Moderate |
| 2.10 | Conduct ongoing tree trimming programs along electrical transmission lines. | Severe Storms, Wildfire | TBD | TBD | Medium | Moderate |
| 3 | Increase open space acquisitions and other flood plain acquisition efforts. | Flooding | Mayor/Council, City Floodplain Manager | FEMA HMA Grant | Medium | Moderate |
| 3.1 | Ensure builders and developers follow Federal wetlands permitting requirements of the Corps of Engineers. | Flooding | City Engineer | FEMA HMA Grant | Medium | High |
| 3.2 | Enact and/or enforce regulations prohibiting littering and dumping within stream and river corridors. | Flooding | Mayor/Council | FEMA HMA Grant | Medium | High |
| 3.3 | Promote use of Best Management Practices (BMP); encourage use of technical assistance from the Alabama Cooperative Extension System. | Flooding | City Engineer | Existing funds | Low | High |

## City of Tuscaloosa Mitigation Action Plan

| Goal/ Number | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 3.4 | Establish and enforce water use policies and restrictions during periods of drought. | Drought, Heat Waves, Wildfires | Mayor/Council | Existing Funds | Medium | Moderate |
| 4 | Develop and implement guidelines and standard operating procedures for drainage system maintenance. | Flooding | City Engineer | Existing Funds | Medium | Moderate |
| 4.1 | Install drainage improvements in identified problem drainage areas to reduce or eliminate localized flooding. | Flooding | City Engineer | FEMA HMA Grant | Medium | Low |
| 4.2 | Maintain or upgrade water supply systems to conserve water during drought events; eliminate breaks and leaks to reduce system-wide water loss. | Flooding | Mayor/Council, Public Works Dept. | FEMA HMA Grant | Ongoing | Low |
| 4.3 | Construct new community safe rooms and include safe rooms in new and existing public and institutional buildings. | Tornadoes, Hurricanes, Severe Storms | Mayor/Council | FEMA HMA Grant | Ongoing | Moderate |
| 4.4 | Encourage the construction of safe rooms in new and existing homes and buildings. | Tornadoes, Hurricanes, Severe Storms | Mayor/Council, Building inspector | FEMA HMA Grant | Ongoing | High |
| 5 | Provide for public signage to indicate areas of safety from hazards. | Hurricanes, Tornadoes, Severe Storms | Mayor/Council | Existing Funds | Medium | Moderate |
| 5.1 | Promote the provision and use of weather radios and emergency response instructions for households and businesses. | All | Mayor/Council, Police/Fire Depts. | Existing Funds | Medium | Moderate |
| 5.2 | Continue the use of the Everbridge alert system to provide notifications to all jurisdictions | All | Mayor/Council | Existing Funds | Medium | Moderate |

| City of Tuscaloosa Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal/ Number** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 5.3 | Use electronic billboards and DOT message boards to inform citizens of weather warnings or evacuation procedures. | All | Mayor/Council, ALDOT | Existing Funds | High | Moderate |
| 6 | Increase access and use of FIRM information by real estate agents, builders, developers, and homeowners through announcements in local trade publications and newspapers. | Flooding | Mayor/Council | Existing Funds | Ongoing | High |
| 6.1 | Participate in public awareness events such as City/County Day, Hurricane Awareness Week, and Severe Weather Week. | All | Mayor/Council | Existing Funds | Ongoing | Moderate |
| 6.2 | Conduct outreach activities to residents using multiple media platforms or workshops to implement hazard mitigation measures in the home. | All | Mayor/Council | Existing Funds | Ongoing | Moderate |
| 6.3 | Promote and increase disaster resilience for local businesses through workshops, educational materials and planning guides. | All | Mayor/Council | Existing Funds | Ongoing | Moderate |
| 6.4 | Distribute hazard mitigation resources and brochures to students through area schools. | All | Mayor/Council, Public Library system | Existing Funds | Ongoing | Moderate |
| 6.5 | Provide information and resources to homeowners about structural and non-structural retrofitting of vulnerable homes. | High Wind, Tornadoes, Earthquake | Mayor/Council, Building Inspector | Existing Funds | Ongoing | Moderate |
| 6.6 | Distribute the 2020 Division C Hazard Mitigation plan to local officials, stakeholders, and interested individuals via web posting and as requested. | All | Mayor/Council, | Existing Funds | High | Moderate |
| 6.7 | Ensure the public is informed of hazard threats and mitigation measures to reduce damages and loss of life through local and social media outlets. | All | Mayor/Council, Police/Fire Depts. | Existing Funds | High | Moderate |

## 2014 City of Tuscaloosa Community Action Program - Actions Removed 2020



| | Goal, Objectives and Mitigation Measures | Hazards Addressed | Priority | Timeline | Lead Responsibility for Carrying Out Measure | Action or Project | Estimated Cost | Funding Source | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | **Goal for Prevention. Manage the development of land and buildings to minimize risks of loss due to natural hazards.** | | | | | | | | |
| 1.6.3 | Promote the adoption of uniform flood hazard prevention ordinance among all NFIP communities. The ordinance standards should encourage flood plain management that maintains the natural and beneficial functions of flood plains by maximizing the credits that could be obtained for "Higher Regulatory Standards" under the Community Rating System (CRS) Program. | Flooding | Low | Long-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | REMOVED |
| 1.8.2 | Establish ordinances to help mitigate fire hazards related to fuel buildup due to recent hurricanes, by raising tree canopies close to homes, thinning forests near urban areas, and removing trees that are too close to homes. | Wildfires | Low | Long-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | REMOVED |
| 2 | **Goal for Property Protection: Protect structures and their occupants and contents from the damaging effects of natural hazards.** | | | | | | | | |
| 2.1.1 | Relocate buildings out of hazardous flood areas, with emphasis on pre-FIRM residential buildings, where deemed more cost effective than property acquisition or building elevation. | Flooding | Medium | Ongoing | Building Inspector | Project | TBD | FEMA HMA Grant | REMOVED |
| 2.2.2 | Utilize the most recent NFIP repetitive loss property list, and other appropriate sources, to create and maintain a prioritized list of acquisition mitigation projects based on claims paid. | Flooding | Medium | Ongoing | Building Inspector | Project | TBD | FEMA HMA Grant | REMOVED |
| 2.4.2 | Examine use of minor structural projects (small berm or floodwalls) in areas that cannot be mitigated through non- structural mitigation techniques. | Flooding | Medium | Ongoing | City Engineer, Building Inspector | Project | TBD | FEMA HMA Grant | REMOVED |
| 3 | **Goal for Public Education and Outreach. Educate and inform the public about the risks of hazards and the techniques available to reduce threats to life and property.** | | | | | | | | |
| 3.2.5 | Educate citizens on water saving techniques. | Drought | High | Ongoing | Mayor and Council | Action | No Additional Cost | Existing Funds | REMOVED |
| 3.2.6 | Educate farmers on soil and water conservation practices. | Drought | High | Ongoing | Mayor and Council | Action | No Additional Cost | Existing Funds | REMOVED |
| 3.3.1 | Arrange with the Multiple Listing Service (MLS) to require floodplain location disclosure as a condition for each real estate listing. | Flooding | Low | Long-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | REMOVED |
| 3.3.2 | Consider the enactment of a local ordinance or state law to require floodplain location disclosure when a property is listed for sale. | Flooding | Low | Long-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | REMOVED |
| 3.6.1 | Distribute the 2014 plan to local officials, stakeholders, and interested individuals through internet download. | All | Medium | Ongoing | Mayor and Council | Action | No Additional Cost | Existing Funds | REMOVED |
| 4 | **Goal for Natural Resources Protection. Preserve and restore the beneficial functions of the natural environment to promote sustainable community development that balances the constraints of nature with the social and economic demands of the community.** | | | | | | | | |
| 5 | **Goal for Structural Projects. Apply engineered structural modifications to natural systems and public infrastructure to reduce the potentially damaging impacts of hazards, where feasible, cost effective, and environmentally suitable.** | | | | | | | | |
| 5.3.2 | Establish a program for subsidizing individual and community safe room construction in appropriate locations and facilities. | Hurricanes, Tornadoes, Severe Storms | High | Ongoing | Mayor and Council | Project | TBD | FEMA HMA Grant | REMOVED |

The removed actions were determined by the jurisdiction to no longer be relevant or feasible at this time. Remaining actions from the 2014 plan were reorganized into the new plan goal areas and modified as deemed necessary.

| Tuscaloosa City Schools Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal/ Number** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 4 | Construct storm retrofits to educational buildings | Thunderstorms, Tornados, Hurricanes | Tuscaloosa City Schools | HMA Grants, Local | High | Moderate |
| 4.1 | Construct/ install community safe rooms to educational buildings to include backup generators | Thunderstorms, Tornados, Hurricanes | Tuscaloosa City Schools | HMA Grants, Local | High | Moderate |
| 4.2 | Construct/install individual storm shelter to educational buildings | Thunderstorms, Tornados, Hurricanes | Tuscaloosa City Schools | HMA Grants, Local | Low | High |
| 5 | Provide generators for educational buildings | All | Tuscaloosa City Schools | HMA Grants, Local | High | High |

| DCH Regional Health System Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal/ Number** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 4 | Construct storm retrofits to medical buildings | Thunderstorms, Tornados, Hurricanes | DCH | HMA Grants, Local | High | Moderate |
| 4.1 | Construct/ install community safe rooms to medical buildings to include backup generators | Thunderstorms, Tornados, Hurricanes | DCH | HMA Grants, Local | High | Moderate |
| 4.2 | Construct/install individual storm shelters to medical buildings | Thunderstorms, Tornados, Hurricanes | DCH | HMA Grants, Local | Low | High |
| 5 | Provide emergency generators for medical facilities | All | DCH | HMA Grants, Local | High | High |
| 5.1 | Provide for public signage to indicate areas of safety from hazards. | Thunderstorms, Tornados, Hurricanes | DCH | Existing Funds | Medium | Moderate |
| 5.2 | Promote the provision and use of weather radios and emergency response instructions for households and businesses. | All | DCH | Existing Funds | Medium | Moderate |
| 5.3 | Continue to use the Everbridge alert system to provide notifications to all jurisdictions. | All | DCH | Existing Funds | Medium | Moderate |

| University of Alabama Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal/ Number** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 1.1 | Identify, discover, or locate threats and/or hazards through active and passive surveillance equipment and search procedures. | All | UA-OEM | Existing, HMA Grants | Ongoing | Moderate |
| 2.1 | Implement, exercise, and maintain plans to ensure continuity of operations. | All | UA-OEM | Existing, HMA Grants | Ongoing | Moderate |
| 3.1 | Reduce the long-term impact of all-hazards by deploying effective grounds maintenance and management through existing and new infrastructure development and land-use planning. | All | UA-OEM | Existing, HMA Grants | Ongoing | High |
| 4.1 | Build storm shelters and/or identify best available refuge areas (BARA) in campus buildings. ~~Inform the public on locations of these safe spaces.~~ | Thunderstorms, Tornadoes, Hurricanes | UA-OEM | Existing, HMA Grants | Ongoing | High |
| 4.2 | Renovate existing facilities to enhance security and prevent potential damage. ~~from all-hazards.~~ | Thunderstorms, Tornadoes, Hurricanes | UA-OEM | Existing, HMA Grants | Ongoing | High |
| 5.1 | Deliver credible and actionable information to the campus community using multiple, varied, and redundant communication tools and equipment. | All | UA-OEM | Existing, HMA Grants | Ongoing | High |
| 5.2 | Enhance and maintain command, control, and coordination structures (NIMS) and equipment. | All | UA-OEM | Existing, HMA Grants | Ongoing | High |
| 5.3 | Enhance the capacity of the emergency operations center to respond to larger and/or more complex incidents. | All | UA-OEM | Existing, HMA Grants | Ongoing | Moderate |
| 6.1 | Promote and provide educational material to the campus community on all-hazards. | All | UA-OEM | Existing | Ongoing | Moderate |

# Town of Brookwood Mitigation Action Plan

| Goal | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 1 | Maintain a current comprehensive plan to include natural hazard threats and long-term disaster resistance measures. | All | Mayor and Council | TBD | High | Moderate |
| 1.1 | Integrate recommendations of the Division C Hazard Mitigation plan into current or future comprehensive plans. | All | Mayor and Council | TBD | High | High |
| 1.2 | Develop a five-year capital improvement plan (CIP) to include capital projects from this multi-hazard mitigation plan. | All | Mayor and Council | TBD | High | High |
| 1.3 | Map and assess existing fire hydrants and identify areas in need of new fire hydrants. | Wildfire | Fire Department | Existing Funds | Ongoing | Moderate |
| 1.4 | Enact local ordinance to require large scale mobile home parks and subdivisions to provide community safe room(s). | Tornadoes, Hurricanes, Severe Storms | Mayor and Council | Existing Funds | High | High |
| 1.5 | Participate in the “Turn Around Don’t Drown” program; acquire and place signs at bridge and overpass locations known to Flooding. | Flooding | Mayor and Council | Existing Funds | High | High |
| 1.6 | Promote construction best management practices and apply code enforcement to reduce and mitigate structural failures from hazard events. | All | Mayor and Council | Existing Funds | Ongoing | High |
| 1.7 | Evaluate and increase building code requirements for roof construction to maximize protection from wind events; encourage installation of “hurricane clips.” | Tornadoes, Hurricanes, Severe Storms | Mayor and Council | Existing Funds | Ongoing | High |
| 1.8 | Adopt and enforce fire safety ordinances that effectively address and regulate open burning and the use of liquid fuels. | Wildfires | Mayor and Council | Existing Funds | Ongoing | High |
| 1.9 | Adopt and enforce by code or ordinance, minimum property maintenance standards to reduce or eliminate unsafe structures. | All | Mayor and Council | Existing Funds | Ongoing | Moderate |
| 1.10 | Where feasible, require the construction of safe rooms within new public buildings, such as schools, libraries, community centers, or others as appropriate. | Tornadoes, Hurricanes, Severe Storms | Mayor and Council | Existing Funds | Ongoing | High |

| Town of Brookwood Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit/ Cost Score** |
| 1.11 | Establish ordinances to mitigate fire hazards to homes through management of surrounding vegetation and other best practices. See http://www.forestry.alabama.gov/ | Wildfires | Mayor and Council | Existing Funds | Low | High |
| 1.12 | Promote the adoption/enforcement of storm water management regulations that, at a minimum, maintain pre-development runoff rates. | Flooding | Mayor and Council | Existing Funds | Ongoing | High |
| 1.13 | Adopt subdivision regulations that require adequate stormwater infrastructure design and construction. | Flooding | Mayor and Council | Existing Funds | Complete | N/A |
| 2 | Require new utility lines be placed underground for large residential subdivisions and commercial developments through enforcement of local subdivision and land development regulations. | Tornadoes, Severe Storms, Winter storms/freezes, Hurricanes | Mayor and Council | TBD | Complete | N/A |
| 2.1 | Retrofit existing infrastructure, critical facilities and other buildings to minimize damages from natural hazards. | Flooding, Tornadoes, Hurricanes, Severe Storms, Earthquakes | Mayor and Council | FEMA HMA Grant | High | Low |
| 2.2 | Provide assistance to building owners on available building retrofits to protect against damages from natural hazards. | Flooding, Tornadoes, Hurricanes, Severe Storms. Earthquakes | Mayor and Council | FEMA HMA Grant | Ongoing | High |
| 2.3 | Encourage property owners and renters to purchase insurance coverage for Flooding damages when located in high-risk areas. | Flooding | Mayor and Council | Existing Funds | Ongoing | High |
| 3 | Increase open space acquisitions and other Flooding plain acquisition efforts. | Flooding | Mayor and Council | FEMA HMA Grant | Low | Low |
| 3.1 | Ensure builders and developers follow Federal wetlands permitting requirements of the Corps of Engineers. | Flooding | Mayor and Council | Existing Funds | Ongoing | High |

| Town of Brookwood Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit/ Cost Score** |
| 3.2 | Enact and/or enforce regulations prohibiting littering and dumping within stream and river corridors. | Flooding | Mayor and Council | Existing Funds | Ongoing | High |
| 3.3 | Promote use of Best Management Practices (BMP); encourage use of technical assistance from the Alabama Cooperative Extension System. | Flooding | Mayor and Council | Existing Funds | Ongoing | High |
| 3.4 | Establish and enforce water use policies and restrictions during periods of drought. | Droughts/heat waves, Wildfires | Mayor and Council | Existing Funds | Ongoing | High |
| 4 | Develop minor structural projects such as small berm or Flood walls in areas where non-structural mitigation techniques cannot be used. | Flooding | Mayor and Council | FEMA HMA Grant | Ongoing | Moderate |
| 4.1 | Install drainage improvements in identified problem drainage areas to reduce or eliminate localized Flooding. | Flooding | Mayor and Council | FEMA HMA Grant | Medium | Moderate |
| 4.2 | Construct new community safe rooms and include safe rooms in new and existing public and institutional buildings (schools, colleges and universities, senior centers, community centers, hospitals, and government buildings). | Hurricanes, Tornadoes, Severe Storms | Mayor and Council | FEMA HMA Grant | Ongoing | Moderate |
| 4.3 | Develop a program for subsidizing individual and community safe room construction in prioritized locations and facilities. | Hurricanes, Tornadoes, Severe Storms | Mayor and Council | FEMA HMA Grant | Ongoing | Moderate |
| 4.4 | Encourage the construction of safe rooms in new and existing homes and buildings. | Hurricanes, Tornadoes, Severe Storms | Mayor and Council | Existing Funds | Ongoing | High |
| 5 | Promote the provision and use of weather radios and emergency response instructions for households and businesses. | All | Mayor and Council | Existing Funds | Ongoing | High |

| Town of Brookwood Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit/ Cost Score** |
| 5.1 | Require weather radios be maintained in good working order in all public buildings and places of public assembly. | All | Mayor and Council | Existing Funds | High | High |
| 5.2 | Upgrade outdoor siren-warning systems to ensure complete coverage to all jurisdictions. | All | Mayor and Council | FEMA HMA Grant | Ongoing | Moderate |
| 5.3 | Install backup power generators at critical facilities. | Hurricanes, Tornadoes, Severe Storms | Mayor and Council | Existing Funds | Ongoing | Moderate |
| 5.4 | Maintain, upgrade, or expand critical communications infrastructure. | All | Mayor and Council | FEMA HMA Grant | High | Moderate |
| 6 | Increase access and use of FIRM information by real estate agents, builders, developers, and homeowners through announcements in local trade publications and newspapers. | Flooding | Mayor and Council | Existing Funds | Ongoing | High |
| 6.1 | Distribute hazard mitigation resources and brochures to students through area schools. | All | Mayor and Council | Existing Funds | Ongoing | High |
| 6.2 | Distribute the 2020 Division C Hazard Mitigation plan to local officials, stakeholders, and interested individuals via web posting and as requested. | All | Mayor and Council | Existing Funds | High | High |
| 6.3 | Provide resources and technical assistance to homeowners, builders, and developers on Flooding protection measures and alternatives. | Flooding | Mayor and Council | Existing Funds | Ongoing | High |
| 6.4 | Ensure the public is informed of hazard threats and mitigation measures to reduce damages and loss of life through local and social media outlets. | All | Mayor and Council | Existing Funds | Ongoing | High |
| | | | | | | |

## 2014 Town of Brookwood Community Action Program - Actions REMOVED 2020

| | Goal, Objectives and Mitigation Measures | Hazards Addressed | Priority | Timeline | Lead Responsibility for Carrying Out Measure | Action or Project | Estimated Cost | Funding Source | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | **Goal for Prevention. Manage the development of land and buildings to minimize risks of loss due to natural hazards.** | | | | | | | | |
| 1.3.1 | Carry out detailed planning and engineering studies for sub- basins in critical flood hazard areas to determine watershed- wide solutions to flooding. | Flooding | Low | Long-Range | Mayor and Council | Action | TBD | TBD | REMOVED |
| 1.3.2 | Identify existing culturally or socially significant structures and critical facilities within participating jurisdictions that have the most potential for losses from natural hazard events and identify needed structural upgrades. | All | Medium | Mid- Range | Mayor and Council | Action | No Additional Cost | Existing Funds | REMOVED |
| 1.3.3 | Evaluate elevation and culvert sizing of existing roadways in flash flood-prone areas to ensure compliance with current standards for design year floods, and develop a program for construction upgrades as appropriate. | Flooding | Medium | Mid- Range | Mayor and Council | Action | No Additional Cost | Existing Funds | REMOVED |
| 1.3.5 | Identify problem drainage areas, conduct engineering studies, evaluate feasibility, and construct drainage improvements to reduce or eliminate localized flooding. | Flooding | Medium | Mid- Range | Mayor and Council | Action | TBD | TBD | REMOVED |
| 1.4.1 | Consider large lot size restrictions on flood prone areas designated on Flood Insurance Rate Maps. | Flooding | Low | Long-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | REMOVED |
| 1.4.2 | Evaluate additional land use restrictions within designated flood zones, such as prohibition of storage of buoyant materials, storage of hazardous materials, and restrictive development of flood ways, among others. | Flooding | Low | Long-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | REMOVED |
| 1.4.3 | Require delineation of flood plain fringe, floodways, and wetlands on all plans submitted with a permit for development within a flood plain. | Flooding | Medium | Mid- Range | Mayor and Council | Action | No Additional Cost | Existing Funds | REMOVED |
| 1.5.1 | Examine regulatory options and feasibility of requiring open space areas for recreation, landscaping, and drainage control. | Flooding | Low | Long-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | REMOVED |
| 1.6.1 | Train local flood plain managers through programs offered by the State Flood Plain Coordinator and FEMA's training center in Emmitsburg, Maryland. | Flooding | Medium | Mid- Range | Mayor and Council | Action | No Additional Cost | Existing Funds | REMOVED |
| 1.6.2 | Maintain a library of technical assistance and guidance materials to support the local Mayor and Council. | Flooding | Medium | Mid- Range | Mayor and Council | Action | No Additional Cost | Existing Funds | REMOVED |
| 1.6.3 | Promote the adoption of uniform flood hazard prevention ordinance among all NFIP communities. The ordinance standards should encourage flood plain management that maintains the natural and beneficial functions of flood plains by maximizing the credits that could be obtained for "Higher Regulatory Standards" under the Community Rating System (CRS) Program. | Flooding | Low | Long-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | REMOVED |
| 1.6.4 | Maintain membership for locally designated flood plain managers in the Association of State Flood Plain Managers and the Alabama Association Flood Plain Managers and encourage active participation. | Flooding | Medium | Mid- Range | Mayor and Council | Action | No Additional Cost | Existing Funds | REMOVED |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1.6.6 | Improve flood risk assessment by documenting high water marks post event, verification of FEMA's repetitive loss inventory and revising and updating regulatory floodplain maps. | Flooding | Medium | Ongoing | Mayor and Council | Project | No Additional Cost | Existing Funds | REMOVED |
| 1.8.3 | Establish ordinance for the planting of new urban forests or replacement of hurricane damaged urban forests using hurricane resistant tree species to mitigate wind and erosion problems, help beautify and promote healthy urban environments and reduce heating, cooling and storm runoff costs. | Wildfires | Low | Long-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | REMOVED |
| 1.11.1 | Apply for/maintain membership in the CRS Program; continue to upgrade rating. | Flooding | Medium | Short-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | REMOVED |
| **2** | **Goal for Property Protection: Protect structures and their occupants and contents from the damaging effects of natural hazards.** | | | | | | | | |
| 2.2.1 | Acquire and demolish flood prone or substantially damaged structures and replace with permanent open space. | Flooding | Medium | Ongoing | Mayor and Council | Project | TBD | FEMA HMA Grant | REMOVED |
| 2.2.2 | Utilize the most recent NFIP repetitive loss property list, and other appropriate sources, to create and maintain a prioritized list of acquisition mitigation projects based on claims paid. | Flooding | Medium | Ongoing | Mayor and Council | Project | TBD | FEMA HMA Grant | REMOVED |
| 2.3.1 | Elevate certain buildings in flood prone areas where acquisition or relocation is not feasible, with emphasis on Pre- FIRM buildings; where feasible, elevation is preferable to flood proofing. | Flooding | Medium | Ongoing | Mayor and Council | Project | TBD | FEMA HMA Grant | REMOVED |
| 2.4.1 | Flood proof pre-FIRM non-residential buildings, where feasible. | Flooding | Medium | Ongoing | Mayor and Council | Project | TBD | FEMA HMA Grant | REMOVED |
| 2.7.1 | Install lightning and/or surge protection on existing critical facilities. | Severe storms | High | Ongoing | Mayor and Council | Project | TBD | TBD | REMOVED |
| 2.7.2 | Conduct ongoing tree trimming programs along power lines. | Severe storms | High | Ongoing | TBD | Action | TBD | TBD | REMOVED |
| **3** | **Goal for Public Education and Outreach. Educate and inform the public about the risks of hazards and the techniques available to reduce threats to life and property.** | | | | | | | | |
| 3.9.3 | Distribute weather radios and emergency response instructions to municipal residents. | All | Medium | Mid- Range | Mayor and Council | Action | TBD | FEMA HMA Grant | REMOVED |
| **4** | **Goal for Natural Resources Protection. Preserve and restore the beneficial functions of the natural environment to promote sustainable community development that balances the constraints of nature with the social and economic demands of the community.** | | | | | | | | |
| 4.3.2 | Increase overall green spaces in cities by planting hurricane resistant trees with site and location taken into consideration. | Wildfire | Medium | Ongoing | Mayor and Council | Action | No Additional Cost | Existing Funds | REMOVED |
| **5** | **Goal for Structural Projects. Apply engineered structural modifications to natural systems and public infrastructure to reduce the potentially damaging impacts of hazards, where feasible, cost effective, and environmentally suitable.** | | | | | | | | |
| 5.1.1 | Prepare and implement standard operating procedures and guidelines for drainage system maintenance. | Flooding | Medium | Ongoing | Mayor and Council | Action | No Additional Cost | Existing Funds | REMOVED |
| 5.2.2 | Improve and retrofit water supply systems to save water during drought events and to eliminate breaks and leaks. | Drought | Low | Mid- Range | Mayor and Council | Project | TBD | FEMA HMA Grant | REMOVED |

The removed actions were determined by the jurisdiction to no longer be relevant or feasible at this time. Remaining actions from the 2014 plan were reorganized into the new plan goal areas and modified as deemed necessary.

# Town of Coaling Mitigation Action Plan

| Goal | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 1 | Maintain a current comprehensive plan to include natural hazard threats and long-term disaster resistance measures. | All | Mayor and Council | TBD | High | Moderate |
| 1.1 | Integrate recommendations of the Division C Hazard Mitigation plan into current or future comprehensive plans. | All | Mayor and Council | TBD | High | High |
| 1.2 | Enact local ordinance to require large scale mobile home parks and subdivisions to provide community safe room(s). | Tornadoes, Hurricanes, Severe Storms | Mayor and Council | Existing Funds | High | High |
| 1.3 | Promote construction best management practices and apply code enforcement to reduce and mitigate structural failures from hazard events. | All | Mayor and Council | Existing Funds | Ongoing | High |
| 1.4 | Adopt and enforce fire safety ordinances that effectively address and regulate open burning and the use of liquid fuels. | Wildfires | Fire Department | Existing Funds | Ongoing | High |
| 1.5 | Adopt and enforce by code or ordinance, minimum property maintenance standards to reduce or eliminate unsafe structures. | All | Mayor and Council | Existing Funds | Ongoing | High |
| 1.6 | Where feasible, require the construction of safe rooms within new public buildings, such as schools, libraries, community centers, or others as appropriate. | Tornadoes, Hurricanes, Severe Storms | Mayor and Council | Existing Funds | Ongoing | High |
| 1.7 | Carry out vulnerability assessments of critical facilities to identify retrofit projects to mitigate damages from hazards. | All | Mayor and Council | TBD | High | High |
| 2 | Retrofit existing infrastructure, critical facilities and other buildings to minimize damages from natural hazards. | All | Mayor and Council | FEMA HMA Grant | High | Low |
| 2.1 | Encourage property owners and renters to purchase insurance coverage for flood damages when located in high-risk areas. | Flooding | Mayor and Council | Existing Funds | Ongoing | High |

## Town of Coaling Mitigation Action Plan

| Goal | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 2.2 | Identify need and install lightning and/or surge protection on critical facilities. | Severe Storms | Mayor and Council | TBD | Ongoing | Moderate |
| 2.3 | Conduct ongoing tree trimming programs along electrical transmission lines. | Severe Storms | TBD | TBD | Ongoing | Low |
| 3 | Increase open space acquisitions and other flood plain acquisition efforts. | Flooding | Mayor and Council | FEMA HMA Grant | Medium | Low |
| 3.1 | Establish and enforce water use policies and restrictions during periods of drought. | Droughts/heat waves, wildfires | Mayor and Council | Existing Funds | Ongoing | High |
| 4 | Develop minor structural projects such as small berm or floodwalls in areas where non-structural mitigation techniques cannot be used. | Flooding | Mayor and Council | FEMA HMA Grant | Ongoing | Moderate |
| 4.1 | Install drainage improvements in identified problem drainage areas to reduce or eliminate localized flooding. | Flooding | Mayor and Council | FEMA HMA Grant | High | Moderate |
| 4.2 | Construct new community safe rooms and include safe rooms in new and existing public and institutional buildings (schools, colleges and universities, senior centers, community centers, hospitals, and government buildings). | Hurricanes, Tornadoes, Severe Storms | Mayor and Council | FEMA HMA Grant | Ongoing | Low |
| 4.3 | Develop a program for subsidizing individual and community safe room construction in prioritized locations and facilities. | Hurricanes, Tornadoes, Severe Storms | Mayor and Council | FEMA HMA Grant | Ongoing | Moderate |
| 4.4 | Encourage the construction of safe rooms in new and existing homes and buildings. | Hurricanes, Tornadoes, Severe Storms | Mayor and Council | Existing Funds | Ongoing | High |

| Town of Coaling Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 5 | Promote the provision and use of weather radios and emergency response instructions for households and businesses. | All | Mayor and Council | Existing Funds | Ongoing | High |
| 5.1 | Install backup power generators at critical facilities. | Hurricanes, Tornadoes, Severe Storms | Mayor and Council | FEMA HMA Grant | Ongoing | High |
| 5.2 | Require weather radios be maintained in good working order in all public buildings and places of public assembly. | All | Mayor and Council | Existing Funds | High | High |
| 5.3 | Upgrade outdoor siren-warning systems to ensure complete coverage to all jurisdictions. | All | Mayor and Council | FEMA HMA Grant | Ongoing | Moderate |
| 5.4 | Maintain, upgrade, or expand critical communications infrastructure. | All | Mayor and Council | FEMA HMA Grant | High | Moderate |
| 6 | Participate in public awareness events such as City/County Day, Hurricane Awareness Week, and Severe Weather Week. | All | Mayor and Council | Existing Funds | Ongoing | High |
| 6.1 | Promote water conservation; educate citizens on water saving tips and available resources. | Drought | Mayor and Council | Existing Funds | Ongoing | High |
| 6.2 | Distribute hazard mitigation resources and brochures to students through area schools. | All | Mayor and Council | Existing Funds | Ongoing | High |
| 6.3 | Distribute the 2020 Division C Hazard Mitigation plan to local officials, stakeholders, and interested individuals via web posting and as requested. | All | Mayor and Council | Existing Funds | Ongoing | High |

## 2014 Town of Coaling Community Action Program - Actions REMOVED 2020

| | Goal, Objectives and Mitigation Measures | Hazards Addressed | Priority | Timeline | Lead Responsibility for Carrying Out Measure | Action or Project | Estimated Cost | Funding Source | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | **Goal for Prevention. Manage the development of land and buildings to minimize risks of loss due to natural hazards.** | | | | | | | | |
| 2 | **Goal for Property Protection: Protect structures and their occupants and contents from the damaging effects of natural hazards.** | | | | | | | | |
| 2.1.1 | Relocate buildings out of hazardous flood areas, with emphasis on pre-FIRM residential buildings, where deemed more cost effective than property acquisition or building elevation. | Flooding | Medium | Ongoing | Mayor and Council, Building Inspector | Project | TBD | FEMA HMA Grant | Removed |
| 2.2.1 | Acquire and demolish flood prone or substantially damaged structures and replace with permanent open space. | Flooding | Medium | Ongoing | Mayor and Council, Building Inspector | Project | TBD | FEMA HMA Grant | Removed |
| 2.2.2 | Utilize the most recent NFIP repetitive loss property list, and other appropriate sources, to create and maintain a prioritized list of acquisition mitigation projects based on claims paid. | Flooding | Medium | Ongoing | Building Inspector, Floodplain Manager | Project | TBD | FEMA HMA Grant | Removed |
| 2.3.1 | Elevate certain buildings in flood prone areas where acquisition or relocation is not feasible, with emphasis on Pre- FIRM buildings; where feasible, elevation is preferable to flood proofing. | Flooding | Medium | Ongoing | Mayor and Council, Building Inspector | Project | TBD | FEMA HMA Grant | Removed |
| 2.3.2 | Repair, elevate and weatherize existing homes for low- to moderate-income families. | Flooding | Medium | Ongoing | Building Inspector | Project | TBD | FEMA HMA Grant | Removed |
| 2.4.1 | Flood proof pre-FIRM non-residential buildings, where feasible. | Flooding | Medium | Ongoing | Mayor and Council, Building Inspector | Project | TBD | FEMA HMA Grant | Removed |
| 2.5 | **Building Retrofits. Retrofit vulnerable buildings to protect against natural hazards damages, including flooding, high winds, tornadoes, hurricanes, severe storms, and earthquakes.** | | | | | | | | |
| 2.5.2 | Provide technical advisory assistance to building owners on available building retrofits to protect against natural hazards damages. | Flooding, Tornadoes, Hurricanes, Severe Storms and Earthquakes | Medium | Ongoing | Building Inspector | Action | TBD | FEMA HMA Grant | Removed |
| 3 | **Goal for Public Education and Outreach. Educate and inform the public about the risks of hazards and the techniques available to reduce threats to life and property.** | | | | | | | | |
| 3.5.2 | Educate homeowners about structural and non-structural retrofitting of vulnerable homes. | Earthquake | Medium | Ongoing | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 4 | **Goal for Natural Resources Protection. Preserve and restore the beneficial functions of the natural environment to promote sustainable community development that balances the constraints of nature with the social and economic demands of the community.** | | | | | | | | |
| 5 | **Goal for Structural Projects. Apply engineered structural modifications to natural systems and public infrastructure to reduce the potentially damaging impacts of hazards, where feasible, cost effective, and environmentally suitable.** | | | | | | | | |
| 5.2.2 | Improve and retrofit water supply systems to save water during drought events and to eliminate breaks and leaks. | Drought | Low | Mid- Range | Mayor and Council | Project | TBD | FEMA HMA Grant | Removed |

The removed actions were determined by the jurisdiction to no longer be relevant or feasible at this time. Remaining actions from the 2014 plan were reorganized into the new plan goal areas and modified as deemed necessary.

# Town of Coker Mitigation Action Plan

| Goal | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 1 | Maintain a current comprehensive plan to include natural hazard threats and long-term disaster resistance measures. | All | Mayor and Council | TBD | High | Moderate |
| 1.1 | Integrate recommendations of the Division C Hazard Mitigation plan into current or future comprehensive plans. | All | Mayor and Council | TBD | High | High |
| 1.2 | Develop a five-year capital improvement plan (CIP) to include capital projects from this multi-hazard mitigation plan. | All | Mayor and Council | TBD | High | High |
| 1.3 | Mark and catalog depths of flooding and storm surge events and maintain data for historical records in GIS. | Flooding | Mayor and Council | Existing Funds | Ongoing | High |
| 1.4 | Map and assess existing fire hydrants and identify areas in need of new fire hydrants. | Wildfire | Fire Department | Existing Funds | Ongoing | High |
| 1.5 | Identify flood prone areas; conduct engineering studies, and construct drainage improvements to reduce flood damages. | Flooding | Mayor and Council | TBD | High | Moderate |
| 1.6 | Adopt policy to prioritize the acquisition and development of open space areas for recreation, landscaping, and drainage control. | Flooding | Mayor and Council | Existing Funds | High | High |
| 2 | Retrofit existing infrastructure, critical facilities and other buildings to minimize damages from natural hazards. | All | Mayor and Council | FEMA HMA Grant | High | Low |
| 2.1 | Provide assistance to building owners on available building retrofits to protect against damages from natural hazards. | All | Mayor and Council | FEMA HMA Grant | Medium | High |
| 2.2 | Encourage property owners and renters to purchase insurance coverage for flood damages when located in high-risk areas. | Flooding | Mayor and Council | Existing Funds | High | High |
| 2.3 | Encourage farmers purchase crop insurance to cover potential losses due to drought. | Drought | Mayor and Council | Existing Funds | Ongoing | High |

| Town of Coker Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 2.4 | Identify need and install lightning and/or surge protection on critical facilities. | Severe storms | Mayor and Council | TBD | Ongoing | Moderate |
| 4 | Construct new community safe rooms and include safe rooms in new and existing public and institutional buildings (schools, colleges and universities, senior centers, community centers, hospitals, and government buildings). | Hurricanes, Tornadoes, Severe Storms | Mayor and Council | FEMA HMA Grant | Complete | N/A |
| 5 | Install backup power generators at critical facilities. | Hurricanes, Tornadoes, Severe Storms | Mayor and Council | FEMA HMA Grant | Ongoing | Moderate |
| 5.1 | Promote the provision and use of weather radios and emergency response instructions for households and businesses. | All | Mayor and Council | Existing Funds | Ongoing | High |
| 5.2 | Require weather radios be maintained in good working order in all public buildings and places of public assembly. | All | Mayor and Council | Existing Funds | High | High |
| 6 | Participate in public awareness events such as City/County Day, Hurricane Awareness Week, and Severe Weather Week. | All | Mayor and Council | Existing Funds | Ongoing | High |
| 6.1 | Conduct outreach activities to residents using multiple media platforms or workshops to implement hazard mitigation measures in the home. | All | Mayor and Council | Existing Funds | Medium | High |
| 6.2 | Encourage local libraries to maintain and distribute free and current publications from FEMA, NWS, USGS, and other federal and state agencies. | All | Mayor and Council | Existing Funds | Ongoing | High |
| 6.3 | Ensure the public is informed of hazard threats and mitigation measures to reduce damages and loss of life through local and social media outlets. | All | Mayor and Council | Existing Funds | High | High |

## 2014 Town of Coker Community Action Program - Actions REMOVED 2020

| | Goal, Objectives and Mitigation Measures | Hazards Addressed | Priority | Timeline | Lead Responsibility for Carrying Out Measure | Action or Project | Estimated Cost | Funding Source | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | **Goal for Prevention. Manage the development of land and buildings to minimize risks of loss due to natural hazards.** | | | | | | | | |
| 1.2.1 | Maintain a centralized, countywide natural hazards and risk assessment database in GIS that is accessible to local planners and emergency management personnel, including such data as, flood zones, geohazards, major drainages structures, dams/levees, hurricane surge areas, tornado tracks, disaster events and their extents, and a comprehensive inventory of critical facilities within all jurisdictions. | All | Medium | Mid-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 1.2.2 | Integrate FEMA HAZUS-MH applications for hazard loss estimations within local GIS programs. Maintain up-to-date data within GIS to apply the full loss estimation capabilities of HAZUS. | All | Low | Long-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 1.3.1 | Carry out detailed planning and engineering studies for sub-basins in critical flood hazard areas to determine watershed-wide solutions to flooding. | Flooding | Low | Long-Range | Mayor and Council | Action | TBD | TBD | Removed |
| 1.3.2 | Identify existing culturally or socially significant structures and critical facilities within participating jurisdictions that have the most potential for losses from natural hazard events and identify needed structural upgrades. | All | Medium | Mid-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 1.3.3 | Evaluate elevation and culvert sizing of existing roadways in flash flood-prone areas to ensure compliance with current standards for design year floods, and develop a program for construction upgrades as appropriate. | Flooding | Medium | Mid-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 1.3.6 | Develop an inventory of public and commercial building vulnerable to earthquake damage, focusing on pre 1940 construction and buildings with cripple wall foundations. | Earthquake | Low | Long-Range | Mayor and Council | Project | TBD | TBD | Removed |
| 1.4.1 | Consider large lot size restrictions on flood prone areas designated on Flood Insurance Rate Maps. | Flooding | Low | Long-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 1.4.2 | Evaluate additional land use restrictions within designated flood zones, such as prohibition of storage of buoyant materials, storage of hazardous materials, and restrictive development of flood ways, among others. | Flooding | Low | Long-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 1.4.3 | Require delineation of flood plain fringe, floodways, and wetlands on all plans submitted with a permit for development within a flood plain. | Flooding | Medium | Mid-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 1.4.4 | Enact local ordinance that require community storm shelters within sizeable mobile home parks and subdivisions. | Tornadoes, Hurricanes, Severe Storms | High | Short-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 1.6.1 | Train local flood plain managers through programs offered by the State Flood Plain Coordinator and FEMA's training center in Emmitsburg, Maryland. | Flooding | Medium | Mid-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 1.6.2 | Maintain a library of technical assistance and guidance materials to support the local floodplain manager. | Flooding | Medium | Mid-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |

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|---|---|---|---|---|---|---|---|---|---|
| 1.6.3 | Promote the adoption of uniform flood hazard prevention ordinance among all NFIP communities. The ordinance standards should encourage flood plain management that maintains the natural and beneficial functions of flood plains by maximizing the credits that could be obtained for "Higher Regulatory Standards" under the Community Rating System (CRS) Program. | Flooding | Low | Long-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 1.6.4 | Maintain membership for locally designated flood plain managers in the Association of State Flood Plain Managers and the Alabama Association Flood Plain Managers and encourage active participation. | Flooding | Medium | Mid-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 1.6.5 | Participate in the "Turn Around Don't Drown" program by purchasing and installing signs in known flash flood bridge overpass locations. | Flooding | Medium | Mid-Range | Mayor and Council | Project | No Additional Cost | Existing Funds | Removed |
| 1.6.6 | Improve flood risk assessment by documenting high water marks post event, verification of FEMA's repetitive loss inventory and revising and updating regulatory floodplain maps. | Flooding | Medium | Ongoing | Mayor and Council | Project | No Additional Cost | Existing Funds | Removed |
| 1.7.1 | Promote good construction practices and proper code enforcement to mitigate structural failures during natural hazard events. | All | Medium | Ongoing | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 1.7.2 | Evaluate and revise as appropriate, building codes for roof construction to maximize protection against wind damage from hurricanes, tornadoes, and windstorms; encourage installation of "hurricane clips." | Tornadoes, Hurricanes, Severe Storms | High | Ongoing | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 1.7.3 | Relocate existing utility lines underground, where feasible and cost effective, and require, through local subdivision and land development regulations, the placement of all new utility lines underground for large residential subdivisions and commercial developments. | Tornadoes, severe storms, winter storms/freezes, hurricanes | Low | Ongoing | Mayor and Council | Action | TBD | TBD | Removed |
| 1.7.4 | Ensure fire safety ordinances properly regulate open burning, the use of liquid fuel and electric space heaters. | Wildfires | High | Ongoing | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 1.7.5 | Establish and enforce minimum property maintenance standards that reduce or eliminate unsafe structures. | All | High | Ongoing | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 1.7.6 | Require the construction of safe rooms within new public buildings, such as new schools, libraries, community centers, and other public buildings where feasible. | Tornadoes, Hurricanes, Severe Storms | High | Ongoing | Mayor and Council | Project | No Additional Cost | Existing Funds | Removed |
| 1.8.1 | Review and revise as necessary, landscaping standards for parking lots that reduce the size of impervious surfaces and encourage natural infiltration of rainwater. | Flooding | Low | Long-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 1.8.2 | Establish ordinances to help mitigate fire hazards related to fuel buildup due to recent hurricanes, by raising tree canopies close to homes, thinning forests near urban areas, and removing trees that are too close to homes. | Wildfires | Low | Long-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 1.8.3 | Establish ordinance for the planting of new urban forests or replacement of hurricane damaged urban forests using hurricane resistant tree species to mitigate wind and erosion problems, help beautify and promote healthy urban environments and reduce heating, cooling and storm runoff costs. | Wildfires | Low | Long-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 1.9.1 | Promote the adoption/enforcement of storm water management regulations that maintain pre-development runoff rates. | Flooding | Medium | Long-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 1.9.2 | Develop, adopt and implement subdivision regulations that require proper stormwater infrastructure design and construction. | Flooding | Low | Long-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |

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| 1.9.3 | Establish urban forestry program to help mitigate storm water runoff common in areas with large impervious surfaces. | Flooding | Low | Long-Range | Mayor and Council | Action | TBD | TBD | Removed |
| 1.11.1 | Apply for/maintain membership in the CRS Program; continue to upgrade rating. | Flooding | Medium | Short-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 1.12.2 | Conduct wildfire vulnerability assessments, including the vulnerability of critical facilities and number of residential properties in these risk areas, and prepare a comprehensive inventory to identify high and moderate wildfire risk areas. | Wildfire | Low | Long-Range | Fire Department | Project | No Additional Cost | Existing Funds | Removed |
| **2** | **Goal for Property Protection: Protect structures and their occupants and contents from the damaging effects of natural hazards.** | | | | | | | | |
| 2.1.1 | Relocate buildings out of hazardous flood areas, with emphasis on pre-FIRM residential buildings, where deemed more cost effective than property acquisition or building elevation. | Flooding | Medium | Ongoing | Mayor and Council | Project | TBD | FEMA HMA Grant | Removed |
| 2.2.1 | Acquire and demolish flood prone or substantially damaged structures | Flooding | Medium | Ongoing | Mayor and Council | Project | TBD | FEMA HMA | |
| 2.2.2 | Utilize the most recent NFIP repetitive loss property list, and other appropriate sources, to create and maintain a prioritized list of acquisition mitigation projects based on claims paid. | Flooding | Medium | Ongoing | Mayor and Council | Project | TBD | FEMA HMA Grant | Removed |
| 2.3.1 | Elevate certain buildings in flood prone areas where acquisition or relocation is not feasible, with emphasis on Pre-FIRM buildings; where feasible, elevation is preferable to flood proofing. | Flooding | Medium | Ongoing | Mayor and Council | Project | TBD | FEMA HMA Grant | Removed |
| 2.3.2 | Repair, elevate and weatherize existing homes for low- to moderate-income families. | Flooding | Medium | Ongoing | Mayor and Council | Project | TBD | FEMA HMA Grant | Removed |
| 2.4.1 | Flood proof pre-FIRM non-residential buildings, where feasible. | Flooding | Medium | Ongoing | Mayor and Council | Project | TBD | FEMA HMA Grant | Removed |
| 2.4.2 | Examine use of minor structural projects (small berm or floodwalls) in areas that cannot be mitigated through non- structural mitigation techniques. | Flooding | Medium | Ongoing | Mayor and Council | Project | TBD | FEMA HMA Grant | Removed |
| 2.7.2 | Conduct ongoing tree trimming programs along power lines. | Severe storms | High | Ongoing | TBD | Action | TBD | TBD | Removed |
| **3** | **Goal for Public Education and Outreach. Educate and inform the public about the risks of hazards and the techniques available to reduce threats to life and property.** | | | | | | | | |
| 3.2.3 | Promote disaster resilience within the business community through workshops, educational materials and planning guides, intended to assist business owners in recovering from a disaster event in a timely manner. | All | High | Ongoing | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 3.2.4 | Distribute outreach materials to citizens, builders and business owners inquiring about a flood problem, a building permit or other natural hazard related questions. | Flooding | High | Ongoing | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 3.2.5 | Educate citizens on water saving techniques. | Drought | High | Ongoing | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 3.2.6 | Educate farmers on soil and water conservation practices. | Drought | High | Ongoing | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 3.3.1 | Arrange with the Multiple Listing Service (MLS) to require floodplain location disclosure as a condition for each real estate listing. | Flooding | Low | Long-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 3.3.2 | Consider the enactment of a local ordinance or state law to require floodplain location disclosure when a property is listed for sale. | Flooding | Low | Long-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 3.5.1 | Distribute hazard mitigation brochures to students through area schools. | All | Medium | Ongoing | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |

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| 3.5.2 | Educate homeowners about structural and non-structural retrofitting of vulnerable homes. | Earthquake | Medium | Ongoing | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 3.6.1 | Distribute the 2014 plan to local officials, stakeholders, and interested individuals through internet download. | All | Medium | Ongoing | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 3.7.1 | Provide technical assistance to homeowners, builders, and developers on flood protection alternatives. | Flooding | Low | Ongoing | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 3.9.3 | Distribute weather radios and emergency response instructions to municipal residents. | All | Medium | Mid-Range | Mayor and Council | Action | TBD | FEMA HMA Grant | Removed |
| 3.10.1 | Upgrade siren-warning systems to provide complete coverage to all jurisdictions. | Flooding | Medium | Ongoing | Mayor and Council | Project | TBD | FEMA HMA Grant | Removed |
| 3.10.2 | Upgrade critical communications infrastructure. | Flooding | Medium | Mid-Range | Mayor and Council | Project | TBD | FEMA HMA Grant | Removed |
| 4 | **Goal for Natural Resources Protection. Preserve and restore the beneficial functions of the natural environment to promote sustainable community development that balances the constraints of nature with the social and economic demands of the community.** | | | | | | | | |
| 4.1.1 | Increase open space acquisitions through the FEMA HMA Grant Programs and other flood plain acquisition efforts. | Flooding | Medium | Mid-Range | Mayor and Council | Project | TBD | FEMA HMA Grant | Removed |
| 4.2.1 | Keep builders and developers informed of Federal wetlands permitting requirements of the Corps of Engineers. | Flooding | Medium | Ongoing | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 4.2.2 | Adopt and/or enforce regulations prohibiting dumping and littering within river and stream corridors. | Flooding | Medium | Ongoing | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 4.3.1 | Utilize technical assistance available from the Alabama Cooperative Extension System with Best Management Practices (BMP). | Flooding | Low | Long-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 4.3.2 | Increase overall green spaces in cities by planting hurricane resistant trees with site and location taken into consideration. | Wildfire | Medium | Ongoing | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 4.5.1 | Enforce water use restrictions during periods of drought to conserve existing water supplies. | Droughts/heat waves, wildfires | Medium | Ongoing | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 5 | **Goal for Structural Projects. Apply engineered structural modifications to natural systems and public infrastructure to reduce the potentially damaging impacts of hazards, where feasible, cost effective, and environmentally suitable.** | | | | | | | | |
| 5.1.1 | Prepare and implement standard operating procedures and guidelines for drainage system maintenance. | Flooding | Medium | Ongoing | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 5.2.1 | Construct drainage improvements to reduce or eliminate localized flooding in identified problem drainage areas. | Flooding | Medium | Mid-Range | Mayor and Council | Project | TBD | FEMA HMA Grant | Removed |
| 5.2.2 | Improve and retrofit water supply systems to save water during drought events and to eliminate breaks and leaks. | Drought | Low | Mid-Range | Mayor and Council | Project | TBD | FEMA HMA Grant | Removed |
| 5.3.2 | Establish a program for subsidizing individual and community safe room construction in appropriate locations and facilities. | Hurricanes, Tornadoes, Severe Storms | High | Ongoing | Mayor and Council | Project | TBD | FEMA HMA Grant | Removed |

The removed actions were determined by the jurisdiction to no longer be relevant or feasible at this time. Remaining actions from the 2014 plan were reorganized into the new plan goal areas and modified as deemed necessary.

## Town of Lake View Mitigation Action Plan

| Goal | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 1 | Map and assess existing fire hydrants and identify areas in need of new fire hydrants. | Flooding | Lake View VFD | Existing Funds | Low | High |
| 1.1 | Enact large lot size restrictions in flood prone areas designated on Flood Insurance Rate Maps. | Flooding | Mayor/Council | Existing Funds | Medium | High |
| 1.2 | Evaluate additional land use restrictions within designated flood zones, such as prohibition of storage of buoyant materials, storage of hazardous materials, restrictive development of flood ways. | Flooding | Mayor/Council | Existing Funds | High | High |
| 1.3 | Enact local ordinance to require large scale mobile home parks and subdivisions to provide community safe room(s). | Tornadoes, Hurricanes, Severe Storms | Mayor/Council | Existing Funds | Moderate | High |
| 1.4 | Adopt policy to prioritize the acquisition and development of open space areas for recreation, landscaping, and drainage control. | Flooding | Mayor/Council | Existing Funds | Medium | High |
| 1.5 | Train and certify local flood plain managers through programs offered by the State Flood Plain Coordinator and FEMA. | Flooding | Mayor/Council | Existing Funds | Completed | N/A |
| 1.6 | Develop a library of guidance materials to assist local floodplain managers. | Flooding | Mayor/Council | Existing Funds | High | High |
| 1.7 | Maintain membership of local flood plain managers in the Association of State Flood Plain Managers and the Alabama Association Flood Plain Managers; encourage active participation. | Flooding | Mayor/Council | Existing Funds | Ongoing | High |
| 1.8 | Participate in the “Turn Around Don’t Drown” program; acquire and place signs at bridge and overpass locations known to flood. | Flooding | Mayor/Council | Existing Funds | Ongoing | High |
| 1.9 | Improve flood risk assessments by providing post-event high water mark readings, verification of FEMA’s repetitive loss inventory, and other data as identified. | Flooding | Mayor/Council | Existing Funds | Ongoing | High |

| Town of Lake View Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 1.10 | Promote construction best management practices and apply code enforcement to reduce and mitigate structural failures from hazard events. | All | Mayor/Council, Building Inspector | Existing Funds | Ongoing | High |
| 1.11 | Evaluate and increase building code requirements for roof construction to maximize protection from wind events; encourage installation of “hurricane clips.” | Tornadoes, Hurricanes, Severe Storms | Mayor/Council, Building Inspector | Existing Funds | Ongoing | High |
| 1.12 | Adopt and enforce fire safety ordinances that effectively address and regulate open burning and the use of liquid fuels. | Wildfires | Mayor/Council | Existing Funds | Ongoing | High |
| 1.13 | Adopt and enforce by code or ordinance, minimum property maintenance standards to reduce or eliminate unsafe structures. | Wildfire | Mayor/Council | Existing Funds | Ongoing | High |
| 1.14 | Where feasible, require the construction of safe rooms within new public buildings, such as schools, libraries, community centers, or others as appropriate. | Tornadoes, Hurricanes, Severe Storms | Mayor/Council | Existing Funds | Ongoing | High |
| 1.15 | Promote use of green infrastructure methods to encourage and manage natural infiltration of rainwater. | Flooding | Mayor/Council | Existing Funds | Ongoing | High |
| 1.16 | Promote the adoption/enforcement of storm water management regulations that, at a minimum, maintain pre-development runoff rates. | Flooding | Mayor/Council | Existing Funds | Ongoing | High |
| 1.17 | Adopt subdivision regulations that require adequate stormwater infrastructure design and construction. | Flooding | Mayor/Council | Existing Funds | Ongoing | High |
| 1.18 | As feasible, apply for/maintain membership in the CRS Program. Seek to upgrade rating when possible. | Flooding | Mayor/Council | Existing Funds | Ongoing | High |
| 1.19 | Carry out vulnerability assessments of critical facilities to identify retrofit projects to mitigate damages from hazards. | All | Mayor/Council | TBD | Medium | Moderate |

| Town of Lake View Mitigation Action Plan | | | | | | |
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| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 1.20 | Develop a comprehensive inventory and vulnerability assessment of critical facilities and residential properties located in high and moderate wildfire risk areas. | Wildfires | Mayor/Council, Lake View VFD | Existing Funds | Medium | Moderate |
| 2 | Require new utility lines be placed underground for large residential subdivisions and commercial developments through enforcement of local subdivision and land development regulations. Move existing utility lines underground, where feasible and cost effective. | Hurricanes, Tornadoes, Severe Storms, Winter storms | Mayor/Council | TBD | High | Low |
| 2.1 | Develop and maintain a prioritized list of acquisition mitigation projects based on repetitive loss claims paid. | Flooding | Mayor/Council | Existing Funds | Ongoing | High |
| 2.2 | Retrofit existing infrastructure, critical facilities and other buildings to minimize damages from natural hazards. | All | Mayor/Council, Building Inspector | Existing Funds | Ongoing | High |
| 2.3 | Encourage property owners and renters to purchase insurance coverage for flood damages when located in high-risk areas. | Flooding | Mayor/Council | Existing Funds | Ongoing | High |
| 2.4 | Identify need and install lightning and/or surge protection on critical facilities. | Hurricanes, Tornadoes, Severe Storms | Mayor/Council, Building Inspector | Existing Funds | Ongoing | High |
| 4 | Construct new community safe rooms and include safe rooms in new and existing public and institutional buildings (schools, colleges and universities, senior centers, community centers, hospitals, and government buildings). | Hurricanes, Tornadoes, Severe Storms | Mayor/Council | FEMA HMA, Local | Ongoing | Moderate |
| 4.1 | Develop a program for subsidizing individual and community safe room construction in prioritized locations and facilities. | Hurricanes, Tornadoes, Severe Storms | Mayor/Council | Grants, Local | Ongoing | High |
| 4.2 | Encourage the construction of safe rooms in new and existing homes and buildings. | Hurricanes, Tornadoes, Severe Storms | Mayor/Council | Existing Funds | Ongoing | High |

| Town of Lake View Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 5 | Install backup power generators at critical facilities. | Hurricanes, **T**ornadoes, Severe Storms | Mayor/Council | Existing Funds | Ongoing | High |
| 5.1 | Promote the provision and use of weather radios and emergency response instructions for households and businesses. | All | Mayor/Council | Existing Funds | Ongoing | High |
| 5.2 | Require weather radios be maintained in good working order in all public buildings and places of public assembly. | All | Mayor/Council | Existing Funds | Ongoing | High |
| 5.3 | Install/upgrade outdoor siren-warning systems to ensure complete coverage to all jurisdictions. | All | Mayor/Council | Grants, Local | Ongoing | Moderate |
| 5.4 | Maintain, upgrade, or expand critical communications infrastructure. | All | Mayor/Council | Grants, Local | High | Moderate |
| 6 | Conduct outreach activities to residents using multiple media platforms or workshops to implement hazard mitigation measures in the home. | All | Mayor/Council | Existing Funds | Ongoing | High |
| 6.1 | Distribute the 2020 Division C Hazard Mitigation plan to local officials, stakeholders, and interested individuals via web posting and as requested. | All | Mayor/Council | Existing Funds | High | High |
| 6.2 | Provide resources and technical assistance to homeowners, builders, and developers on flood protection measures and alternatives. | Flooding | Mayor/Council, Building Inspector | Existing Funds | Ongoing | High |

## 2014 Town of Lake View Community Action Program - Actions REMOVED 2020

| | Goal, Objectives and Mitigation Measures | Hazards Addressed | Priority | Timeline | Lead Responsibility for Carrying Out Measure | Action or Project | Estimated Cost | Funding Source | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | **Goal for Prevention. Manage the development of land and buildings to minimize risks of loss due to natural hazards.** | | | | | | | | |
| 1.1.1 | Maintain up-to-date comprehensive plans for all jurisdictions. Each plan should address natural hazards exposure and include long-term disaster resistance measures. The vulnerability and environmental suitability of lands for future development should be clearly addressed. Local plans should assess the vulnerability of designated hazard areas and encourage open space planning to create amenities for recreation and conservation of fragile resources. | All | Medium | Mid-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 1.1.2 | Integrate the findings and recommendations of this plan into comprehensive plan amendments for jurisdictions with active comprehensive planning programs. | All | Medium | Mid-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 1.1.3 | Prepare a five-year capital improvements plan (CIP) to include capital projects that implements the natural hazards element of the community's comprehensive plan or projects identified in the Community Mitigation Action Program of this multi-hazard mitigation plan. | All | Medium | Mid-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 1.2.1 | Maintain a centralized, countywide natural hazards and risk assessment database in GIS that is accessible to local planners and emergency management personnel, including such data as, flood zones, geohazards, major drainages structures, dams/levees, hurricane surge areas, tornado tracks, disaster events and their extents, and a comprehensive inventory of critical facilities within all jurisdictions. | All | Medium | Mid-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 1.2.2 | Integrate FEMA HAZUS-MH applications for hazard loss estimations within local GIS programs. Maintain up-to- date data within GIS to apply the full loss estimation capabilities of HAZUS. | All | Low | Long-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 1.2.3 | Mark depths of flooding and storm surge immediately after each event. Enter and maintain these historical records in GIS. | Flooding | High | Ongoing | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 1.3.1 | Carry out detailed planning and engineering studies for sub-basins in critical flood hazard areas to determine watershed-wide solutions to flooding. | Flooding | Medium | Mid-Range | Mayor and Council | Action | TBD | TBD | Removed |
| 1.3.2 | Identify existing culturally or socially significant structures and critical facilities within participating jurisdictions that have the most potential for losses from natural hazard events and identify needed structural upgrades. | All | Medium | Mid-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 1.3.3 | Evaluate elevation and culvert sizing of existing roadways in flash flood-prone areas to ensure compliance with current standards for design year floods, and develop a program for construction upgrades as appropriate. | Flooding | Medium | Mid-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 1.3.5 | Identify problem drainage areas, conduct engineering studies, evaluate feasibility, and construct drainage improvements to reduce or eliminate localized flooding. | Flooding | Medium | Mid-Range | Mayor and Council | Action | TBD | TBD | Removed |

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|---|---|---|---|---|---|---|---|---|---|
| 1.3.6 | Develop an inventory of public and commercial building vulnerable to earthquake damage, focusing on pre 1940 construction and buildings with cripple wall foundations. | Earthquake | Low | Long-Range | Mayor and Council | Project | TBD | TBD | Removed |
| 1.6.3 | Promote the adoption of uniform flood hazard prevention ordinance among all NFIP communities. The ordinance standards should encourage flood plain management that maintains the natural and beneficial functions of flood plains by maximizing the credits that could be obtained for "Higher Regulatory Standards" under the Community Rating System (CRS) Program. | Flooding | Low | Long-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 1.11.1 | Apply for/maintain membership in the CRS Program; continue to upgrade rating. | Flooding | Medium | Short-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 2 | **Goal for Property Protection: Protect structures and their occupants and contents from the damaging effects of natural hazards.** | | | | | | | | |
| 2.1.1 | Relocate buildings out of hazardous flood areas, with emphasis on pre-FIRM residential buildings, where deemed more cost effective than property acquisition or building elevation. | Flooding | Medium | Ongoing | Mayor and Council | Project | TBD | FEMA HMA Grant | Removed |
| 2.2.1 | Acquire and demolish flood prone or substantially damaged structures and replace with permanent open space. | Flooding | Medium | Ongoing | Mayor and Council | Project | TBD | FEMA HMA Grant | Removed |
| 2.3.1 | Elevate certain buildings in flood prone areas where acquisition or relocation is not feasible, with emphasis on Pre-FIRM buildings; where feasible, elevation is preferable to flood proofing. | Flooding | Medium | Ongoing | Mayor and Council | Project | TBD | FEMA HMA Grant | Removed |
| 2.3.2 | Repair, elevate and weatherize existing homes for low- to moderate-income families. | Flooding | Medium | Ongoing | Mayor and Council | Project | TBD | FEMA HMA Grant | Removed |
| 2.4.1 | Flood proof pre-FIRM non-residential buildings, where feasible. | Flooding | Medium | Ongoing | Mayor and Council | Project | TBD | FEMA HMA Grant | Removed |
| 2.4.2 | Examine use of minor structural projects (small berm or floodwalls) in areas that cannot be mitigated through non- structural mitigation techniques. | Flooding | Medium | Ongoing | Mayor and Council | Project | TBD | FEMA HMA Grant | Removed |
| 2.6.2 | Promote the purchase of crop insurance to cover potential losses due to drought. | Drought | Medium | Ongoing | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 3 | **Goal for Public Education and Outreach. Educate and inform the public about the risks of hazards and the techniques available to reduce threats to life and property.** | | | | | | | | |
| 3.2.1 | Continue to participate in environmental awareness events to provide the public information on hazard exposure and mitigation measures, such as City/County Day, Hurricane Awareness Week, and Severe Weather Week. | All | High | Ongoing | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 3.3.1 | Arrange with the Multiple Listing Service (MLS) to require floodplain location disclosure as a condition for each real estate listing. | Flooding | Low | Long-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 3.3.2 | Consider the enactment of a local ordinance or state law to require floodplain location disclosure when a property is listed for sale. | Flooding | Low | Long-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 3.4.1 | Through local libraries, maintain and distribute free and current publications from FEMA, NWS, USGS, and other federal and state agencies. | All | Medium | Ongoing | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 3.5.1 | Distribute hazard mitigation brochures to students through area schools. | All | Medium | Ongoing | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |

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|---|---|---|---|---|---|---|---|---|---|
| 3.8.1 | Maintain appropriate media relationships to ensure the public is informed of hazard threats and means to mitigate property damages and loss of life. | All | Medium | Ongoing | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 4 | **Goal for Natural Resources Protection. Preserve and restore the beneficial functions of the natural environment to promote sustainable community development that balances the constraints of nature with the social and economic demands of the community.** | | | | | | | | |
| 4.1.1 | Increase open space acquisitions through the FEMA HMA Grant Programs and other flood plain acquisition efforts. | Flooding | Medium | Mid-Range | Mayor and Council | Project | TBD | FEMA HMA Grant | Removed |
| 4.5.1 | Enforce water use restrictions during periods of drought to conserve existing water supplies. | Droughts/heat waves, wildfires | Medium | Ongoing | Mayor and Council | Action | No Additional Cost | Existing Funds | Removed |
| 5 | **Goal for Structural Projects. Apply engineered structural modifications to natural systems and public infrastructure to reduce the potentially damaging impacts of hazards, where feasible, cost effective, and environmentally suitable.** | | | | | | | | |
| 5.2.1 | Construct drainage improvements to reduce or eliminate localized flooding in identified problem drainage areas. | Flooding | Medium | Mid-Range | Mayor and Council | Project | TBD | FEMA HMA Grant | Removed |

The removed actions were determined by the jurisdiction to no longer be relevant or feasible at this time. Remaining actions from the 2014 plan were reorganized into the new plan goal areas and modified as deemed necessary.

## Town of Vance Mitigation Action Plan

| Goal | Action Description | Hazards Addressed | Lead Agency | Funding Source | Priority / Status | Benefit / Cost Score |
|---|---|---|---|---|---|---|
| 1 | Maintain a current comprehensive plan to include natural hazard threats and long-term disaster resistance measures. | All | Mayor and Council | TBD | Completed | N/A |
| 1.1 | Map and assess existing fire hydrants and identify areas in need of new fire hydrants. | Wildfire | Fire Department | Existing Funds | Ongoing | High |
| 1.2 | Promote construction best management practices and apply code enforcement to reduce and mitigate structural failures from hazard events. | All | Building Inspector | Existing Funds | Ongoing | High |
| 1.3 | Adopt and enforce fire safety ordinances that effectively address and regulate open burning and the use of liquid fuels. | Wildfires | Fire Department | Existing Funds | Ongoing | High |
| 1.4 | Adopt and enforce by code or ordinance, minimum property maintenance standards to reduce or eliminate unsafe structures. | All | Building Inspector | Existing Funds | Ongoing | High |
| 1.5 | Adopt subdivision regulations that require adequate stormwater infrastructure design and construction. | Flooding | Town Engineer | Existing Funds | Completed | N/A |
| 2 | Identify need and install lightning and/or surge protection on critical facilities. | Severe Storms | Town Engineer | TBD | Ongoing | Moderate |
| 3 | Ensure builders and developers follow Federal wetlands permitting requirements of the Corps of Engineers. | Flooding | Building Inspector, Town Engineer | Existing Funds | Ongoing | High |
| 3.1 | Develop minor structural projects such as small berm or floodwalls in areas where non-structural mitigation techniques cannot be used. | Flooding | Mayor and Council, Building Inspector | FEMA HMA Grant | Ongoing | Moderate |
| 4 | Construct new community safe rooms and include safe rooms in new and existing public and institutional buildings (schools, colleges and universities, senior centers, community centers, hospitals, and government buildings). | Hurricanes, Tornadoes, Severe Storms | Mayor and Council | FEMA HMA Grant | Completed/ Ongoing | Low |
| 4.1 | Encourage the construction of safe rooms in new and existing homes and buildings. | Hurricanes, Tornadoes, Severe Storms | Mayor and Council | Existing Funds | Ongoing | High |

| Town of Vance Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 5 | Install backup power generators at critical facilities. | Hurricanes, Tornadoes, Severe Storms | Town Engineer | FEMA HMA Grant | Ongoing | Moderate |
| 5.1 | Promote the provision and use of weather radios and emergency response instructions for households and businesses. | All | Mayor and Council | Existing Funds | Ongoing | High |
| 5.2 | Upgrade outdoor siren-warning systems to ensure complete coverage to all jurisdictions. | All | Mayor and Council | FEMA HMA Grant | Ongoing | Moderate |
| 5.3 | Maintain, upgrade, or expand critical communications infrastructure. | All | Mayor and Council | FEMA HMA Grant | Completed | N/A |
| 6 | Distribute the 2020 Division C Hazard Mitigation plan to local officials, stakeholders, and interested individuals via web posting and as requested. | All | Mayor and Council | Existing Funds | High | High |
| 6.1 | Provide resources and technical assistance to homeowners, builders, and developers on flood protection measures and alternatives. | Flooding | Building Inspector, Town Engineer | Existing Funds | Ongoing | High |

## 2014 Town of Vance Community Action Program - Actions REMOVED 2020

| | Goal, Objectives and Mitigation Measures | Hazards Addressed | Priority | Timeline | Lead Responsibility for Carrying Out Measure | Action or Project | Estimated Cost | Funding Source | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | **Goal for Prevention. Manage the development of land and buildings to minimize risks of loss due to natural hazards.** | | | | | | | | |
| 1.1.2 | Integrate the findings and recommendations of this plan into comprehensive plan amendments for jurisdictions with active comprehensive planning programs. | All | Medium | Mid-Range | Mayor and Council | Action | TBD | TBD | REMOVED |
| 1.1.3 | Prepare a five-year capital improvements plan (CIP) to include capital projects that implements the natural hazards element of the community's comprehensive plan or projects identified in the Community Mitigation Action Program of this multi-hazard mitigation plan. | All | Medium | Mid-Range | Mayor and Council | Action | TBD | TBD | REMOVED |
| 1.2.1 | Maintain a centralized, countywide natural hazards and risk assessment database in GIS that is accessible to local planners and emergency management personnel, including such data as, flood zones, geohazards, major drainages structures, dams/levees, hurricane surge areas, tornado tracks, disaster events and their extents, and a comprehensive inventory of critical facilities within all jurisdictions. | All | Medium | Mid-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | REMOVED |
| 1.2.2 | Integrate FEMA HAZUS-MH applications for hazard loss estimations within local GIS programs. Maintain up-to-date data within GIS to apply the full loss estimation capabilities of HAZUS. | All | Low | Long-Range | Mayor and Council | Action | TBD | TBD | REMOVED |
| 1.4.1 | Consider large lot size restrictions on flood prone areas designated on Flood Insurance Rate Maps. | Flooding | Low | Long-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | REMOVED |
| 1.4.2 | Evaluate additional land use restrictions within designated flood zones, such as prohibition of storage of buoyant materials, storage of hazardous materials, and restrictive development of flood ways, among others. | Flooding | Low | Long-Range | City Engineer | Action | No Additional Cost | Existing Funds | REMOVED |
| 1.6.1 | Train local flood plain managers through programs offered by the State Flood Plain Coordinator and FEMA's training center in Emmitsburg, Maryland. | Flooding | Medium | Mid-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | REMOVED |
| 1.6.2 | Maintain a library of technical assistance and guidance materials to support the local floodplain manager. | Flooding | Medium | Mid-Range | Floodplain Manager | Action | No Additional Cost | Existing Funds | REMOVED |
| 1.6.3 | Promote the adoption of uniform flood hazard prevention ordinance among all NFIP communities. The ordinance standards should encourage flood plain management that maintains the natural and beneficial functions of flood plains by maximizing the credits that could be obtained for "Higher Regulatory Standards" under the Community Rating System (CRS) Program. | Flooding | Low | Long-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | REMOVED |
| 1.6.4 | Maintain membership for locally designated flood plain managers in the Association of State Flood Plain Managers and the Alabama Association Flood Plain Managers and encourage active participation. | Flooding | Medium | Mid-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | REMOVED |
| 1.7.2 | Evaluate and revise as appropriate, building codes for roof construction to maximize protection against wind damage from hurricanes, tornadoes, and windstorms; encourage installation of "hurricane clips." | Tornadoes, Hurricanes, Severe Storms | High | Ongoing | Building Inspector | Action | No Additional Cost | Existing Funds | REMOVED |

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|---|---|---|---|---|---|---|---|---|---|
| **1.8** | **Landscape Ordinances. Establish minimum standards for planting areas for trees and vegetation to reduce storm water runoff and improve urban aesthetics.** | | | | | | | | |
| 1.8.1 | Review and revise as necessary, landscaping standards for parking lots that reduce the size of impervious surfaces and encourage natural infiltration of rainwater. | Flooding | Low | Long-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | REMOVED |
| 1.9.1 | Promote the adoption/enforcement of storm water management regulations that maintain pre-development runoff rates. | Flooding | Medium | Long-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | REMOVED |
| 1.10.1 | Support legislation to establish a State dam safety program. | Dam/Levee Failure | Low | Long-Range | Mayor and Council | Action | No Additional Cost | Existing Funds | REMOVED |
| **2** | **Goal for Property Protection: Protect structures and their occupants and contents from the damaging effects of natural hazards.** | | | | | | | | |
| 2.1.1 | Relocate buildings out of hazardous flood areas, with emphasis on pre-FIRM residential buildings, where deemed more cost effective than property acquisition or building elevation. | Flooding | Medium | Ongoing | Mayor and Council, Building Inspector | Project | TBD | FEMA HMA Grant | REMOVED |
| 2.2.1 | Acquire and demolish flood prone or substantially damaged structures and replace with permanent open space. | Flooding | Medium | Ongoing | Mayor and Council, Building Inspector | Project | TBD | FEMA HMA Grant | REMOVED |
| 2.3.1 | Elevate certain buildings in flood prone areas where acquisition or relocation is not feasible, with emphasis on Pre-FIRM buildings; where feasible, elevation is preferable to flood proofing. | Flooding | Medium | Ongoing | Mayor and Council, Building Inspector | Project | TBD | FEMA HMA Grant | REMOVED |
| 2.4.1 | Flood proof pre-FIRM non-residential buildings, where feasible. | Flooding | Medium | Ongoing | Mayor and Council, Building Inspector | Project | TBD | FEMA HMA Grant | REMOVED |
| 2.5.1 | Retrofit existing buildings, critical facilities, and infrastructure against potential damages from natural and manmade hazards. | Flooding, Tornadoes, Hurricanes, Severe Storms and Earthquakes | Medium | Mid-Range | Mayor and Council, Building Inspector | Action | TBD | FEMA HMA Grant | REMOVED |
| 2.5.2 | Provide technical advisory assistance to building owners on available building retrofits to protect against natural hazards damages. | Flooding, Tornadoes, Hurricanes, Severe Storms and Earthquakes | Medium | Ongoing | Mayor and Council, Building Inspector | Action | TBD | FEMA HMA Grant | REMOVED |
| **3** | **Goal for Public Education and Outreach. Educate and inform the public about the risks of hazards and the techniques available to reduce threats to life and property.** | | | | | | | | |
| **4** | **Goal for Natural Resources Protection. Preserve and restore the beneficial functions of the natural environment to promote sustainable community development that balances the constraints of nature with the social and economic demands of the community.** | | | | | | | | |
| 4.1.1 | Increase open space acquisitions through the FEMA HMA Grant Programs and other flood plain acquisition efforts. | Flooding | Medium | Mid-Range | Mayor and Council | Project | TBD | FEMA HMA Grant | REMOVED |
| **5** | **Goal for Structural Projects. Apply engineered structural modifications to natural systems and public infrastructure to reduce the potentially damaging impacts of hazards, where feasible, cost effective, and environmentally suitable.** | | | | | | | | |
| 5.2.1 | Construct drainage improvements to reduce or eliminate localized flooding in identified problem drainage areas. | Flooding | Medium | Mid-Range | Mayor and Council, City Engineer | Project | TBD | FEMA HMA Grant | REMOVED |
| 5.2.2 | Improve and retrofit water supply systems to save water during drought events and to eliminate breaks and leaks. | Drought | Low | Mid-Range | Mayor and Council, City Engineer | Project | TBD | FEMA HMA Grant | REMOVED |
| 5.3.2 | Establish a program for subsidizing individual and community safe room construction in appropriate locations and facilities. | Hurricanes, Tornadoes, Severe Storms | High | Ongoing | Mayor and Council | Project | TBD | FEMA HMA Grant | REMOVED |

The removed actions were determined by the jurisdiction to no longer be relevant or feasible at this time. Remaining actions from the 2014 plan were reorganized into the new plan goal areas and modified as deemed necessary.

| Wilcox County Commission Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 2 | Continue to clear debris from roads and drainage ways | Flood | Wilcox County Road and Bridge Department | Wilcox County Local Funds | High/Ongoing | High |
| 2 | Continue to improve and maintain county road system and drainage infrastructure | Floods, Severe Storms | Wilcox County Road and Bridge Department | Wilcox County Local Funds | High/Ongoing | High |
| 2 | Contact utilities in the event of natural hazard so they can inspect their infrastructure for damage | All | Wilcox County Emergency Management | Wilcox County Local Funds | High/Ongoing | High |
| 5 | Continue to offer shelter to individuals and families affected by natural hazards | All | Wilcox County Commission | Wilcox County Local Funds | High/Ongoing | High |
| 1 | Continue to enforce the County's Flood Damage Prevention Ordinance | Flooding | County Flood Plain Manager | Wilcox County Local Funds | High/Ongoing | High |
| 6 | Provide the public information on actions to take during severe weather through newspaper and radio announcements | All | Wilcox County Emergency Management | Wilcox County Local Funds | High/Ongoing | High |
| 1 | Encourage jurisdictions to commit matches for grants dealing with mitigation | All | Wilcox County Emergency Management | Wilcox County Local Funds | High/Ongoing | High |
| 5 | Open buildings to the public during extreme heat | Extreme Heat | Wilcox County Commission/Wilcox County Emergency Management | Wilcox County Local Funds | High/Ongoing | High |
| 6 | Keep public informed of drought conditions and water conservation efforts | Drought | Wilcox County Commission/Wilcox County Emergency Management | Wilcox County Local Funds | High/Ongoing | High |

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|---|---|---|---|---|---|---|
| 2 | Seek weatherization funding for low income residents | Flood, Severe Storms, Extreme Heat, Winter Storms | Wilcox County Commission | Wilcox Local Funds/ Community Action/ Homeowner Funds | High | Moderate/High |
| 3 | Work closely with Wilcox Forester to mitigate wildfire dangers | Wildfire | Wilcox County Commission/Wilcox County Emergency Management | Wilcox County Local Funds | High/ Ongoing | Hugh |
| 4 | Promotion of safe rooms in new residences. | Tornado, Severe Storms | Wilcox County Commission/Wilcox County Emergency Management | Wilcox County Local Funds | High/ Ongoing | Moderate/High |
| 2 | Drainage Projects in areas identified as being prone to flooding | Flood, Severe Storms | Wilcox County Commission/ Wilcox County Road and Bridge Department | Wilcox County Local Funds/CDBG/FEMA Grant Funds | High | Low |
| 2 | Stormwater Management Projects throughout county | Flood, Severe Storms | Wilcox County Commission/ Wilcox County Road and Bridge Department | Wilcox County Local Funds/CDBG/FEMA Grant Funds | High | Low |
| 2 | Retrofitting of critical facilities | Severe Storms, Hurricanes | Wilcox County Commission | Wilcox County Local Funds/FEMA Grant Funds | High | Low |
| 1 | Apply for funding to update mitigation plan as needed | All | Wilcox County Commission/Wilcox County Emergency Management | Wilcox County Local Funds/FEMA Grant Funds | High | Moderate |
| 5 | Purchase generators for critical facilities and fire stations | All | Wilcox County Commission/Wilcox County Emergency Management/Volunteer Fire Departments | Wilcox County Local Funds/CDBG/FEMA Grant Funds | High | Moderate |

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| 5 | Construct new Emergency Operations Center in Camden | All | Wilcox County Commission/Wilcox County Emergency Management | Wilcox County Local Funds/USDA/ FEMA Grant Funds | High | High |
| 4 | Community Storm Shelters | Severe Storms, Tornadoes, Hurricanes | Wilcox County Commission/Wilcox County Emergency Management | Wilcox County Local Funds/CDBG/FEMA Grant Funds | High | High |
| 4 | Individual Storm Shelters | Severe Storms, Tornadoes, Hurricanes | Wilcox County Commission/Wilcox County Emergency Management | Wilcox County Local Funds/FEMA Grant Funds | High | High |
| 6 | Public information system to call all residents in emergencies | All | Wilcox County Commission/Wilcox County Emergency Management | Wilcox County Local Funds/FEMA Grant Funds | Medium | Moderate |
| 6 | Research procedures for keeping historical storm data with location, magnitude, and loss values for each event | All | Wilcox County Emergency Management | Wilcox County Local Funds | Low | Moderate |
| 6 | Begin maintaining an inventory of critical facilities with value and contact information | All | Wilcox County Emergency Management | Wilcox County Local Funds | Low | Moderate |

| City of Camden Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 2 | Continue to clear debris from roads and drainage ways | Flood | City of Camden Street Department | City of Camden | High/ Ongoing | High |
| 5 | Research possible grants for first responder training and equipment | All | City of Camden Police Department | City of Camden | High/ Ongoing | High |
| 5 | Open buildings to the public during extreme heat | Extreme Heat | City of Camden Mayor/City Council | City of Camden | High/ Ongoing | High |
| 6 | Keep public informed of drought conditions and water conservation efforts | Drought | City of Camden Mayor/City Council | City of Camden | High/ Ongoing | High |
| 2 | Continue to improve and maintain city road system and drainage infrastructure | Flood, Severe Storms | City of Camden Street Department | City of Camden/CDBG-FEMA Grant Funds | High/ Ongoing | High |
| 3 | Work closely with Wilcox Forester to mitigate wildfire dangers | Wildfires | City of Camden Mayor/City Council | City of Camden | High/ Ongoing | High |
| 1 | Enforce flood ordinance | Flooding | City of Camden Mayor/City Council | City of Camden | High/ Ongoing | High |
| 2 | Drainage Projects in areas identified as being prone to flooding | Flood | City of Camden Mayor/City Council/ Street Department | City of Camden/CDBG-FEMA Grant Funds | High | Low |
| 2 | Storm Water Management Projects throughout city | Flood | City of Camden Mayor/City Council/ Street Department | City of Camden/CDBG-FEMA Grant Funds | High | Low |

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| 2 | Retrofitting of critical facilities | Severe Storms, Hurricanes | City of Camden Mayor/City Council | City of Camden/CDBG-FEMA Grant Funds | High | Low |
| 2 | Seek weatherization funding for low income residents | Flood, Severe Storms, Extreme Heat, Winter Storms | City of Camden Mayor/City Council | City of Camden/ADECA/Community Action Programs | Medium | Moderate/High |
| 4 | Community storm shelters in highly populated and mobile home communities | Severe Storms, Tornadoes | City of Camden Mayor/City Council | City of Camden/CDBG-FEMA Grant Funds | Medium | High |
| 5 | Tornado Sirens | Severe Storms, Tornadoes | | Grants | Medium | High |
| 1 | Prepare an Emergency Response Plan for the City of Camden | All | City of Camden Mayor/City Council | City of Camden | Low | Moderate |

| Town of Oak Hill Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 5 | Research possible grants for first responder training and equipment | All | Town of Oak Hill/Oak Hill Volunteer Fire Department | Town of Oak Hill/Oak Hill Volunteer Fire Department | High/ Ongoing | High |
| 3 | Work closely with Wilcox Forester to mitigate wildfire dangers | Wildfires | Town of Oak Hill/Mayor/Town Council | Town of Oak Hill | High/ Ongoing | High |
| 5 | Open buildings to the public during extreme heat | Extreme Heat | Town of Oak Hill/Mayor/Town Council | Town of Oak Hill | High/ Ongoing | High |
| 6 | Keep public informed of drought conditions and water conservation efforts | Drought | Town of Oak Hill/Mayor/Town Council | Town of Oak Hill | High/ Ongoing | High |
| 2 | Drainage Projects in areas identified as being prone to flooding | Flood | Town of Oak Hill/Mayor/Town Council | Town of Oak Hill/CDBG-FEMA Grant Funds | High | Low |
| 2 | Storm Water Management Projects throughout city | Flood | Town of Oak Hill/Mayor/Town Council | Town of Oak Hill/CDBG-FEMA Grant Funds | High | Low |
| 2 | Retrofitting of critical facilities | Severe Storms, Hurricanes | Town of Oak Hill/Mayor/Town Council | Town of Oak Hill/CDBG-FEMA Grant Funds | High | Low |
| 2 | Seek weatherization funding for low income residents | Flood, Severe Storms, Extreme Heat, Winter Storms | Town of Oak Hill/Mayor/Town Council | Town of Oak Hill/ADECA/Com-munity Action Programs | Medium | Low |

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| 4 | Community storm shelters in highly populated and mobile home communities | Severe Storms, Tornadoes | Town of Oak Hill/Mayor/Town Council | Town of Oak Hill/CDBG-FEMA Grant Funds | Medium | Low |
| 5 | Tornado Sirens | Severe Storms, Tornadoes | Town of Oak Hill/Mayor/Town Council | Town of Oak Hill/ FEMA Grant Funds | Medium | Low |
| 5 | Purchase NOAA Weather Radios for Residents | All | Town of Oak Hill/Mayor/Town Council | Town of Oak Hill/ FEMA Grant Funds | Medium | Low |

| Town of Pine Apple Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 5 | Research possible grants for first responder training and equipment | All | Town of Pine Apple/Oak Hill Volunteer Fire Department | Town of Pine Apple/Pine Apple Volunteer Fire Department | High/ Ongoing | High |
| 2 | Drainage Projects in areas identified as being prone to flooding | Flood | Town of Pine Apple/Mayor/Town Council | Town of Pine Apple/CDBG-FEMA Grant Funds | High | Low |
| 2 | Storm Water Management Projects throughout city | Flood | Town of Pine Apple/Mayor/Town Council | Town of Pine Apple/CDBG-FEMA Grant Funds | High | Low |
| 2 | Retrofitting of critical facilities | Severe Storms, Hurricanes | Town of Pine Apple/Mayor/Town Council | Town of Pine Apple/CDBG-FEMA Grant Funds | High | Low |
| 5 | Open buildings to the public during extreme heat | Extreme Heat | Town of Pine Apple/Mayor/Town Council | Town of Pine Apple | High/ Ongoing | High |
| 6 | Keep public informed of drought conditions and water conservation efforts | Drought | Town of Pine Apple/Mayor/Town Council | Town of Pine Apple | High/ Ongoing | High |
| 5 | Purchase generators for town hall and volunteer fire department | All | Town of Pine Apple/Mayor/Town Council | Town of Pine Apple/ FEMA Grant Funds | High | Moderate |
| 2 | Seek weatherization funding for low income residents | Flood, Severe Storms, Extreme Heat, Winter Storms | Town of Pine Apple/Mayor/Town Council | Town of Pine Apple/ADECA/Com-munity Action Programs | Medium | Moderate |

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|---|---|---|---|---|---|---|
| 3 | Work closely with Wilcox Forester to mitigate wildfire dangers | Wildfires | Town of Pine Apple/Mayor/Town Council | Town of Pine Apple | High/ Ongoing | High |
| 4 | Community storm shelters in highly populated and mobile home communities | Severe Storms, Tornadoes | Town of Pine Apple/Mayor/Town Council | Town of Pine Apple/CDBG-FEMA Grant Funds | Medium | High |
| 5 | Tornado Sirens | Severe Storms, Tornadoes | Town of Pine Apple/Mayor/Town Council | Town of Pine Apple/ FEMA Grant Funds | Medium | Moderate |
| 5 | Purchase NOAA Weather Radios for Residents | All | Town of Pine Apple/Mayor/Town Council | Town of Pine Apple/ FEMA Grant Funds | Medium | Moderate |
| 1 | Prepare an emergency response plan for the Town of Pine Apple | All | Town of Pine Apple/Mayor/Town Council | Town of Pine Apple | Low | Medium |

| Town of Pine Hill Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 5 | Open buildings to the public during extreme heat | Extreme Heat | Town of Pine Hill Mayor/Town Council | Town of Pine Hill | High/ Ongoing | High |
| 6 | Keep public informed of drought conditions and water conservation efforts | Drought | Town of Pine Hill Mayor/Town Council | Town of Pine Hill | High/ Ongoing | High |
| 1 | Continue to enforce flood ordinance | Flood | Town of Pine Hill Mayor/Town Council | Town of Pine Hill | High/ Ongoing | High |
| 3 | Work closely with Wilcox Forester to mitigate wildfire dangers | Wildfires | Town of Pine Hill Mayor/Town Council | Town of Pine Hill | High/ Ongoing | High |
| 6 | Educate public on actions to take during severe weather | All | Town of Pine Hill/Wilcox EMA | Town of Pine Hill/Wilcox EMA | High/ Ongoing | High |
| 2 | Continue to improve and maintain city road system and drainage infrastructure | Flood, Severe Storms | Town of Pine Hill Mayor/Town Council/Street Department | Town of Pine Hill/CDBG-FEMA Grant Funds | High/ Ongoing | High |
| 5 | Purchase back up power generators for sewer system | All | Town of Pine Hill Mayor/Town Council | Town of Pine Hill/FEMA Grant Funds | High | Moderate |
| 5 | Purchase generator for City Hall | All | Town of Pine Hill Mayor/Town Council | Town of Pine Hill/FEMA Grant Funds | High | Moderate |
| 5 | Purchase portable generators for Pine Hill VFD | All | Town of Pine Hill Mayor/Town Council | Town of Pine Hill/FEMA Grant Funds | High | Moderate |

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|---|---|---|---|---|---|---|
| 2 | Drainage Projects in areas identified as being prone to flooding | Flood | Town of Pine Hill Mayor/Town Council | Town of Pine Hill/CDBG-FEMA Grant Funds | Medium | Low |
| 2 | Storm Water Management Projects throughout city | Flood, Rain | Town of Pine Hill Mayor/Town Council/Street Department | Town of Pine Hill/CDBG-FEMA Grant Funds | Medium | Low |
| 2 | Retrofitting of critical facilities | Severe Storms, Hurricanes | Town of Pine Hill Mayor/Town Council | Town of Pine Hill/CDBG-FEMA Grant Funds | Medium | Low |
| 2 | Seek weatherization funding for low income residents | Flood, Severe Storms, Extreme Heat, Winter Storms | Town of Pine Hill Mayor/Town Council | Town of Pine Hill/ADECA/Com-munity Action Programs | Medium | Moderate/High |
| 5 | Tornado Sirens | Severe Storms, Tornadoes | Town of Pine Hill Mayor/Town Council | Town of Pine Hill/ FEMA Grant Funds | Medium | High |
| 4 | Community storm shelters in highly populated and mobile home communities | Severe Storms, Tornadoes | Town of Pine Hill Mayor/Town Council | Town of Pine Hill/CDBG-FEMA Grant Funds | Medium | High |
| 5 | Purchase NOAA Weather Radios | All | Town of Pine Hill Mayor/Town Council | Town of Pine Hill/ FEMA Grant Funds | Medium | |
| 5 | Research possible grants for first responder training and equipment | All | Town of Pine Hill Police Department | Town of Pine Hill | Medium/ Ongoing | High |
| 3 | Tree management and maintenance program | Severe storms, Tornadoes, Hurricanes, High Winds | Town of Pine Hill Street Department | Town of Pine Hill | High/ Ongoing | High |
| 2 | Continue to clear debris from roads and drainage ways | Flood, Severe Storms, Extreme Heat, Winter Storms | Town of Pine Hill Street Department | Town of Pine Hill | High/ Ongoing | High |

| Town of Yellow Bluff Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 1 | Continue to enforce flood ordinance | Flood | Town of Yellow Bluff Mayor/Town Council | Town of Yellow Bluff | High/ Ongoing | Low |
| 2 | Continue to improve and maintain city road system and drainage infrastructure | Flood, Severe Storms | Town of Yellow Bluff Mayor/Town Council | Town of Yellow Bluff/CDBG-FEMA Grant Funds | High/ Ongoing | Moderate |
| 3 | Open buildings to the public during extreme heat | Extreme Heat | Town of Yellow Bluff Mayor/Town Council | Town of Yellow Bluff | High/ Ongoing | High |
| 6 | Keep public informed of drought conditions and water conservation efforts | Drought | Town of Yellow Bluff Mayor/Town Council | Town of Yellow Bluff | High/ Ongoing | High |
| 2 | Seek weatherization funding for low income residents | Flood, Severe Storms, Extreme Heat, Winter Storms | Town of Yellow Bluff Mayor/Town Council | Town of Yellow Bluff/ADECA/Com-munity Action Programs | High | High |
| 3 | Work closely with Wilcox Forester to mitigate wildfire dangers | Wildfires | Town of Yellow Bluff Mayor/Town Council | Town of Yellow Bluff | High/ Ongoing | High |
| 2 | Drainage Projects in areas identified as being prone to flooding | Flood | Town of Yellow Bluff Mayor/Town Council | Town of Yellow Bluff/CDBG-FEMA Grant Funds | Medium | Low |
| 4 | Community storm shelters in highly populated and mobile home communities | Severe Storms, Tornadoes | Town of Yellow Bluff Mayor/Town Council | Town of Yellow Bluff/CDBG-FEMA Grant Funds | Medium | Low |

| | | | | | | |
|---|---|---|---|---|---|---|
| 5 | Tornado Sirens | Severe Storms, Tornadoes | Town of Yellow Bluff Mayor/Town Council | Town of Yellow Bluff/ FEMA Grant Funds | Medium | Moderate |
| 5 | Purchase NOAA Weather Radios | All | Town of Yellow Bluff Mayor/Town Council | Town of Yellow Bluff/ FEMA Grant Funds | Medium | Moderate |

| Wilcox County Board of Education Mitigation Action Plan | | | | | | |
|---|---|---|---|---|---|---|
| **Goal** | **Action Description** | **Hazards Addressed** | **Lead Agency** | **Funding Source** | **Priority / Status** | **Benefit / Cost Score** |
| 4 | Provide storm shelters at schools | Tornado, Severe Storms | Wilcox County School Board | Wilcox BOE/FEMA Grant Funds | High | |
| 5 | Purchase generators for schools | All | Wilcox County School Board | Wilcox BOE/FEMA Grant Funds | High | Low |
| 2 | Retrofitting of schools | Severe Storms, Hurricanes | Wilcox County School Board | Wilcox BOE/FEMA Grant Funds | High | Low |
| 2 | Correct storm water management/ drainage issues on school grounds | Flood | Wilcox County School Board | Wilcox BOE/FEMA Grant Funds | Medium | Low |
| 6 | Work with County to provide information to students regarding hazards | Extreme Heat & Drought | Wilcox County School Board | Wilcox BOE | High/ Ongoing | High |
| 6 | Work with forestry commission to disseminate information regarding wildfire prevention | Wildfires | Wilcox County School Board | Wilcox BOE | High/ Ongoing | High |

# Section 6- Plan Maintenance Process

This section of the plan addressed requirements of Interim Final Rule (IFR) Section 201. (c)(4).

**Section Contents**

6.1 Hazard Mitigation Plan Monitoring, Evaluation, and Update Process
6.2 Hazard Mitigation Plan Incorporation
6.3 Public Awareness/Participation

## 6.1 Hazard Mitigation Plan Monitoring, Evaluation, and Update Process

The Alabama Tombigbee Regional Commission (ATRC) and the West Alabama Regional Commission (WARC) will facilitate plan maintenance activities with assistance from local EMA directors throughout the five-year framework of the Hazard Mitigation Plan. Local EMA directors will serve as a liaison to participating jurisdictions within their respective counties through their local processes, such as Local Emergency Planning Committee (LEPC) or similar stakeholder groups. The public, neighboring communities, and other stakeholders will be encouraged to participate throughout this process. ATRC and WARC will facilitate the annual update process at the regional level. During the fourth quarter of each calendar year, ATRC and WARC will convene a meeting of all EMA directors in the division to discuss the results of their county-level review.

Periodic review and revision of the Hazard Mitigation Plan is important to ensure the plan's appropriateness and compliance with applicable regulations and to assess the progress of local mitigation actions. County-level reviews will include:

- Evaluation of the effectiveness of previously implemented mitigation actions;
- Review of the status of high priority or ongoing mitigation actions;
- Addressing changing land use patterns and new developments; and
- Identification of any changes in the risk assessment and/or risk vulnerability.

Prior to the regional meeting, local EMA directors shall collect pertinent information from local jurisdictions and stakeholders, including the general public, in their counties. This information will be used for plan review and evaluation purposes. The general public will be invited to attend the review meeting and encouraged to provide input. The public will be invited through public notices and public outreach. In addition, the plan review process will include the provision of a post-disaster review that merits a reevaluation of hazard priorities and mitigation actions in order to reflect fluctuating conditions within the region.

At any time during the planning cycle, a jurisdiction may revise its mitigation action plan. For jurisdiction specific revisions, only the jurisdiction making the revision will have to approve the change. The jurisdiction will work with its EMA director to submit these changes to ATRC/WARC for incorporation into the plan.

A thorough review of the Hazard Mitigation Plan will begin 18 months prior to the five-year expiration date of the plan. This review shall be held to identify any significant changes in the AEMA Division C planning area that may affect the region's vulnerability to hazard impacts. An evaluation of the mitigation strategy and jurisdictional action plans developed as part of this process will be evaluated. This plan update shall incorporate any changes to federal or state regulations that may affect the Hazard Mitigation Plan contents. Upon completion of this review and update, the updated Hazard Mitigation Plan will be submitted to the AEMA and FEMA for review and approval. Public participation will be solicited and encouraged throughout this process.

## 6.2 Hazard Mitigation Plan Incorporation

The AEMA Division C Regional Hazard Mitigation Plan will be incorporated into existing planning mechanisms in all participating jurisdictions. Once the Regional Hazard Mitigation Plan is "approvable upon adoption" by FEMA, each jurisdiction shall proceed with adoption procedures. Each proposed action listed in the jurisdictional mitigation action plans is assigned to one or multiple lead agencies or departments. Designation of a lead agency or department assigns responsibility and accountability to each action. In addition to the assigned local agency or department, each mitigation action plan has a priority or status assigned that roughly coincides with an implementation timeline. Local jurisdictions in AEMA Division C will work to continue providing operational funding for actions that are ongoing and will seek outside funding for capital projects that are outside the realm of normal funding during both pre-disaster and post-disaster periods.

Participating jurisdictions will integrate this Hazard Mitigation Plan into appropriate and relevant municipal and county government decision-making processes, when feasible. It is important to note that the majority of jurisdictions in Division C do not have formal planning processes in place. For those who do, local EMA officials or planning staffs of the appropriate regional planning council will provide technical assistance for incorporation, upon request. The process for all jurisdictions in the division will include integrating the findings of the Hazard Mitigation Plan into planning documents, such as comprehensive or master plans, future land use plans, subdivision regulations, building regulations, capital improvement plans, or similar mechanisms. The mitigation plan will be incorporated by ensuring the goals and actions of local planning documents are consistent with the goals and mitigation actions of the Hazard Mitigation Plan. Jurisdictions will not introduce additional hazard vulnerabilities to local areas and the region at-large. Mitigation projects will be incorporated into project lists and priorities, as appropriate. This integration process will involve reviewing the jurisdiction's mitigation goals and action plans and comparing that to the proposed planning document. Local EMA directors will continue to incorporate applicable information from this Hazard Mitigation Plan into other required emergency management plans, including each county's Emergency Operations Plan and Threat and Hazard Identification and Risk Assessment. During county-level plan reviews, participating communities will be asked to record the planning documents in which elements of the Hazard Mitigation Plan were incorporated. Since the last plans were adopted, the county-level plans have not been incorporated into any planning mechanisms outside of those performed by the county EMAs.

The Hazard Mitigation Plan will be provided to the Alabama Tombigbee Regional Commission (ATRC) and the West Alabama Regional Commission (WARC), as well as local economic development councils, for consistency with other regional planning and economic development activities.

## 6.3 Public Awareness/Participation

Public participation is a key component in the hazard mitigation planning process. Outreach activities give jurisdictions the ability to garner the public's opinions and ideas regarding hazard mitigation. In addition, outreach gives jurisdictions an opportunity to educate the public about

hazards and mitigation strategies being undertaken. Participation throughout the planning process is important. Division C planning efforts will continue to encourage all local and state government agencies, businesses, academia, and the general public to participate in the ongoing mitigation planning process to the maximum extent possible.

Any significant changes or amendments to the Hazard Mitigation Plan shall require a public hearing prior to adoption. Significant amendments would be those changes that affect the entire Division. The public will be informed of public hearings and other Hazard Mitigation related meetings through a variety of media sources, including but not limited to: local newspaper advertisements and notices, radio advertisements, postings at high traffic community areas, social media posts, telephone messages, and announcements on various websites (such as local EMA offices, ATRC, and WARC). ATRC, WARC, and local EMA offices will keep public copies of the plan on hand. Copies will be provided to each County Commission office, each municipal seat of government, and other appropriate public locations. ATRC and WARC will post a copy of the Hazard Mitigation Plan on their websites. Press releases will be published via various media to inform the general public and stakeholders of the availability of the plan for review, locations where the plan can be accessed, and how they can play a role in its creation and future revisions.