

LOUISVILLE TORNADO

SCOTT L TRAPOLINO, GISP

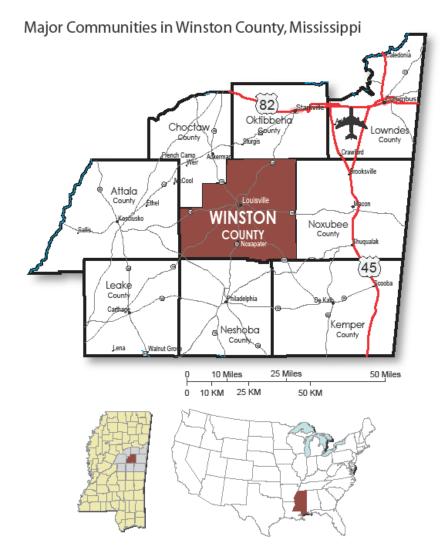
DESOTO COUNTY, MS

"THE REAL VALUE OF GIS IS NOT IN THE RESPONSE PHASE, BY THEN IT'S TOO LATE..."

WINSTON COUNTY



311 W. Park St., Louisville MS 39339 Phone: 662-773-8719 Fax: 662-773-8909 www.winstoncounty.com





Winston County

County in Mississippi

Winston County is a county located in the U.S. state of Mississippi. In the 2010 census, the population was 19,198. Its county seat is Louisville. Wikipedia

Area: 610 mi² (1,580 km²)

Founded: 1833

Population: 18,788 (2013)

Unemployment rate: 10.2% (Dec 2014)

County seat: Louisville

Cities: Louisville, Noxapater

TOPICS OF DISCUSSION

Available Data

Economic Impact

GIS on Scene

Looking into the Future

AVAILABLE DATA

- Mississippi Automated Resource Information System (MARIS) http://www.maris.state.ms.us/
- Mississippi Geospatial Clearinghouse
 http://www.gis.ms.gov/Portal/home.aspx?dom=&x=1440&y=739&browse
 r=Netscape
- Where is the Data?
 Golden Triangle Planning and Development District
 Digital Globe (Imagery)
- Data Collection and Accountability

ECONOMIC IMPACT AT A LOCAL AND STATE LEVEL

An EF-4 Tornado touched down outside of Winston County, MS at 3:51 PM on April 28, 2014. This EF-4 tornado ran for a length of 35 miles, maximum span of 3/4 of a mile in width, wind speeds reaching 185 mph, 647 damaged structures (including the only **County Hospital and Two Major** Manufactures), 10 fatalities and unknown injuries.

CLARION-LEDGER

Nearly 1,000 Miss. jobs lost due to tornadoes

Clay Chandler and Jeff Ayres, The Clarion-Ledger

10:08 a.m. CDT May 9, 2014

Hundreds of jobs are temporarily gone, dozens of businesses destroyed or damaged in the hardest-hit areas, including Winston, Lee and Rankin counties



(Photo: Joe Ellis/The Clarion-Ledger)













The severe thunderstorms that battered Mississippi last week gashed the state's economic base as unequivocally as it did houses, vehicles and trees, in the form of hundreds of jobs at least temporarily gone along with dozens of businesses destroyed or heavily damaged statewide.

Gerald Mills estimates an EF-4 tornado that caused most of the storm's deaths stripped Winston County of 500 jobs, at least temporarily.

A lot of those were in Louisville's industrial complex. Teters Floral Products operated a warehouse that employed 100 people, and was severely damaged. Saving those jobs is a priority for Mills, executive director of the Winston County Economic Development District Partnership. Teters' parent company said in a statement on its website that it is still evaluating the extent of the damage.

Making sure scheduled jobs still arrive is another of Mills' priorities. Starting in June, Natron Wood Products was set to employ 200 people making plywood panels in the old Georgia Pacific facility.

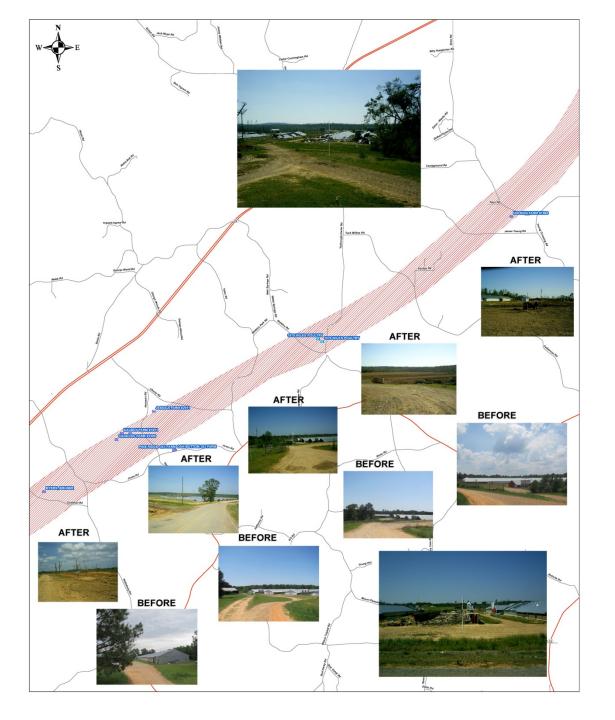
The 265,000 square-foot facility was heavily damaged. "But they've already promised to build back," Mills said. About 70,000 square feet of the building, which was has been reduced to a slab and will house the mobile hospital that will temporarily replace the destroyed Winston Medical Center.

Teters Floral Products

- ☐ 5-10 million in revenue annually
- 100 employees
- **Artificial Flowers**

Winston County Medical **Facility**

- □ Served three surrounding counties
- 200 employees





NORTH CAROLINA MOBILE HOSPITAL



Winston County Medical Center

Mobile Hospital

























ADDRESS: 602 Armstrong St

STRUCTURE: WOOD FRAME ADDRESS TYPE: RESIDENCE OWNER:

PARCEL OWNER: WORK JOHN ETUX GEORGIA PARCEL ID: 141220301 0100101

DAMAGE: LITTLE

TOTAL VALUE: 44629 PERCENT LOSS: 10%

COORDINATES: LATITUDE: 33.109733315500002 LONGITUDE: -89.040629394199996

SUPERVISOR: 3

ROAD NAME: ARMSTRONG ST

COMMENT: ROOF DAMAGE

COMPLETE
DEVENE
DESCRIPTE

O STATE

WINSTON ADDRESSES

OUT OF THE ZONE



ADDRESS:

STRUCTURE: WOOD FRAME ADDRESS TYPE: RESIDENCE OWNER: PARCEL OWNER: LOVE MARGIE E PARCEL ID: 141220301 0200500

DAMAGE: COMPLETE

TOTAL VALUE: 13253 PERCENT LOSS: 100%

COORDINATES: LATITUDE: 33.109280615999999 LONGITUDE: 489.046602858300005

SUPERVISOR: 3

COMMENT:

ROAD NAME: BEAL ST

DAMAGE WINSTON ADDRESSES DAMAGE OUT OF THE ZONE
O COMPLETE

O MODERATE O LITTLE





ADDRESS: 104 Beal St

STRUCTURE: SWT ADDRESS TYPE: RESIDENCE OWNER: PARCEL OWNER: MCDANIEL MARY

HUGHESESTATE PARCEL ID: 141220301 0300100

DAMAGE: COMPLETE

TOTAL VALUE: 37475 PERCENT LOSS: 100%

COORDINATES: LATITUDE: 33.109509316 LONGITUDE: -89.046917705300004

SUPERVISOR: 3

ROAD NAME: BEAL ST

COMMENT:

DAMAGE WINSTON ADDRESSES DAMAGE

DUT OF THE ZONE

O HOUBTATE O LITTLE

ADDRESS:

STRUCTURE: BRICK ADDRESS TYPE: BUSINESS OWNER: PARCEL OWNER: CALVARY APOS TOLIC CHURCH PARCEL ID: 141220301 0301000

DAMAGE: COMPLETE

TOTAL VALUE: 0 PERCENT LOSS: 100% LATITUDE: 33.109173730899997 LONGITUDE: 89.047234678300001

SUPERVISOR: 3

ROAD NAME: BEAL ST

COMMENT:



OUT OF THE ZON

O SEVERE O SCOURAGE

O uma







ADDRESS: 105 Beal St

STRUCTURE: BRICK ADDRESS TYPE: RESIDENCE OWNER:

PARCEL OWNER: BURRAGE GLORIA ROAD NAME: BEAL ST JEAN & TASHA S PARCEL ID: 141220301 0200600

DAMAGE: COMPLETE

TOTAL VALUE: 28979 PERCENT LOSS: 100% COORDINATES: LATITUDE: 33.1089162046 LONGITUDE: -89.046591501600005

SUPERVISOR: 3

COMMENT:

COMPLETE. O SEVERE O SOME

· OUT OF THE

DAMAGE

WINSTON ADDRESSES





STRUCTURE: BRICK/SIDING ADDRESS TYPE: BUSINESS OWNER: THE REVIVAL APART-MENTS PARCEL OWNER: M & M INVEST-MENTSLLC PARCEL ID: 141220301 0101700

DAMAGE: COMPLETE

TOTAL VALUE: 528329

COORDINATES: LATITUDE: 33.108126928099999 LONGITUDE: -89.046595073000006

SUPERVISOR: 3

ROAD NAME: BEAL ST

COMMENT:

WINSTON ADDRESSES DAMAGE

OUT OF THE 2 O MODERATE

O 1016





STRUCTURE: BRICK ADDRESS TYPE: BUSINESS OWNER: WINSTON COUNTY MEDI-CAL CENTER PARCEL OWNER: CALVARY APOS TOLIC CHURCH PARCEL ID: 141220301 0301000

DAMAGE: COMPLETE

TOTAL VALUE: 0

COORDINATES: LATITUDE: 33.108553600900002 LONGITUDE: -89.047240159200001

SUPERVISOR: 3

COMMENT:

O DOMPLETE.
O SEVERE
O MEDIERATE

O LITTLE

DAMAGE

STRUCTURE: BRICK/SIDING ADDRESS TYPE: APARTMENTS OWNER: THE REVIVAL APART-MENTS PARCEL OWNER: M & M INVEST-MENTSLLC PARCEL ID: 141220301 0101700

DAMAGE: COMPLETE

ADDRESS: 200 Beal St

TOTAL VALUE: 528329

COORDINATES: LATITUDE: 33.1079240754 LONGITUDE: 49.046632996300005

00/22/2012

SUPERVISOR: 3

ROAD NAME: BEAL ST

DAMAGE COMMENT:

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 ORDERATE

WINSTON ADDRESSES

O uma





ADDRESS: 110 Beal St

ROAD NAME: BEAL ST

DAMAGE

WINSTON ADDRESSES





ADDRESS: 321 Birmingham St

STRUCTURE: SIDING ADDRESS TYPE: RESIDENCE OWNER:

PARCEL OWNER: MILLER KATIE PARCEL ID: 151283401 0702200

DAMAGE: LITTLE

TOTAL VALUE: 23226 PERCENT LOSS: 30%

COORDINATES: LATITUDE: 33.117464098600003 LONGITUDE: -89.044665119900003

SUPERVISOR: 3

ROAD NAME: BIRMINGHAM ST

COMMENT:

WINSTON ADDRESSES DAMAGE DAMAGE

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DAMAGE



STRUCTURE: BRICK ADDRESS TYPE: RESIDENCE OWNER: PARCEL OWNER: BALL MARCOS PARCEL ID: 151262301 0300900

DAMAGE: LITTLE

TOTAL VALUE: 104579 PERCENT LOSS: 30%

COORDINATES: LATITUDE: 33.147892277899999 LONGITUDE: 49.027554330100003

SUPERVISOR: 1

ROAD NAME: BROOKSVILLE RD

COMMENT: ROOF DAMAGE

DAMAGE WINSTON ADDRESSES DAMAGE

O COMPLETE O INVERSE O MODERATE

O ume

O 1046





STRUCTURE: BRICK/SIDING ADDRESS TYPE: RESIDENCE OWNER:

ETUX MILDRED (LIFE EST) PARCEL ID: 151262301 0400700

PERCENT LOSS: 30%

COORDINATES: LATITUDE: 33.146826194200003 LONGITUDE: -89.028781636900007

SUPERVISOR: 1

ROAD NAME: BROOKSVILLE RD

COMMENT: ROOF DAMAGE



O SEVERE

O SOME



ADDRESS: 832 Brooksville Rd

PARCEL ID: 151262301 0400600

STRUCTURE: BRICK ADDRESS TYPE: RESIDENCE OWNER: DICKERSON PARCEL OWNER: DICKERSON IDA MAE

DAMAGE: SEVERE

TOTAL VALUE: 57223 PERCENT LOSS: 90%

COORDINATES: LATITUDE: 33.147127947800001 LONGITUDE: 89.027073074900002

SUPERVISOR: 1

ROAD NAME: BROOKSVILLE RD

COMMENT:



OUT OF THE ZO

O SEVERE O MODERATE



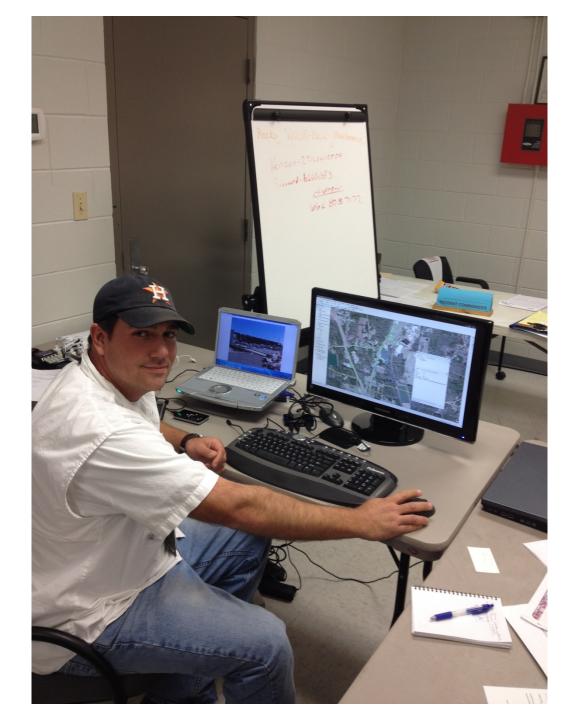


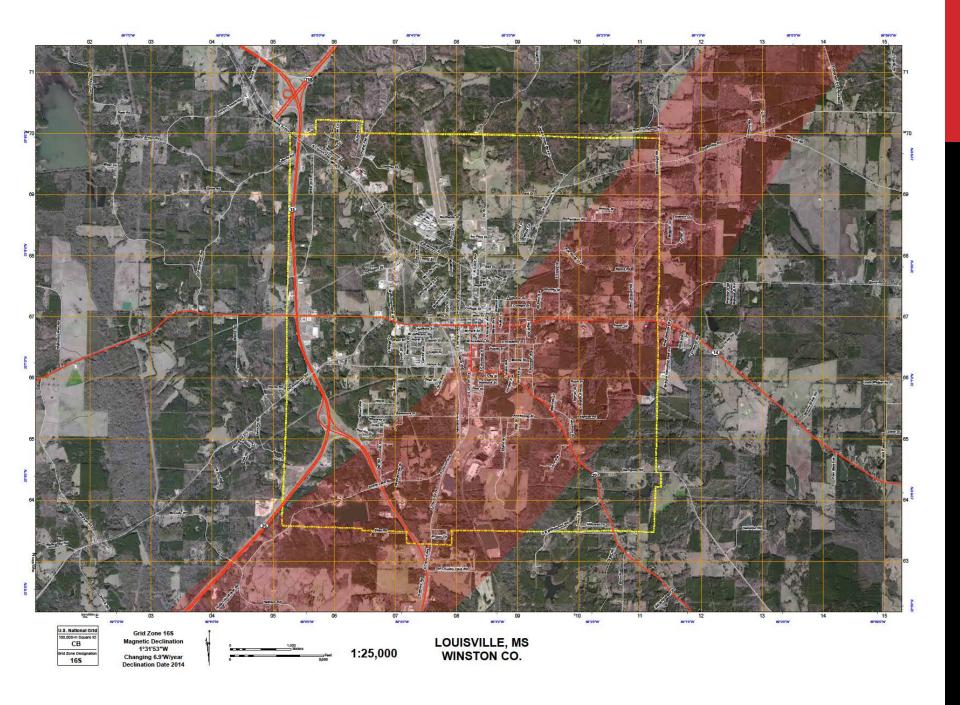


PARCEL OWNER: DONALD TROY

DAMAGE: SOME

TOTAL VALUE: 57590





Before Imagery

After Imagery



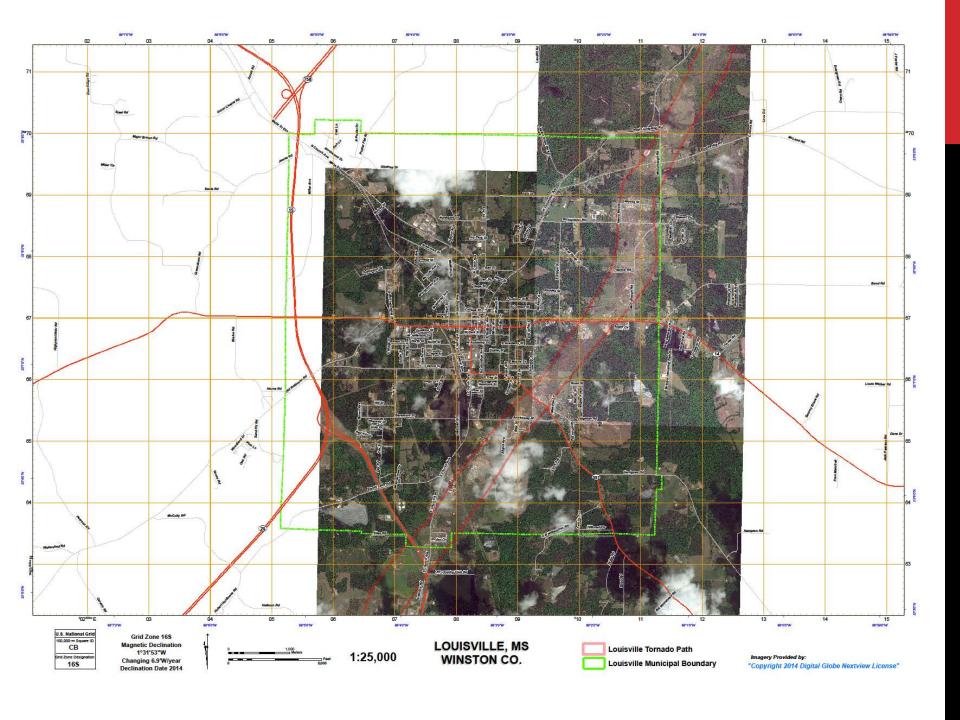
Before Imagery

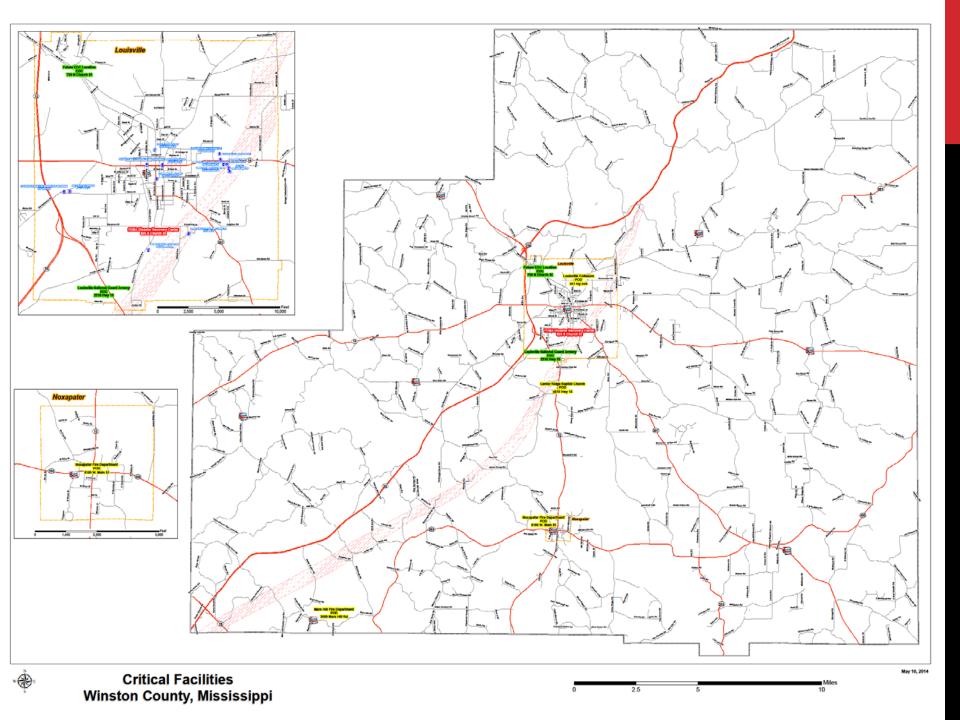
After Imagery

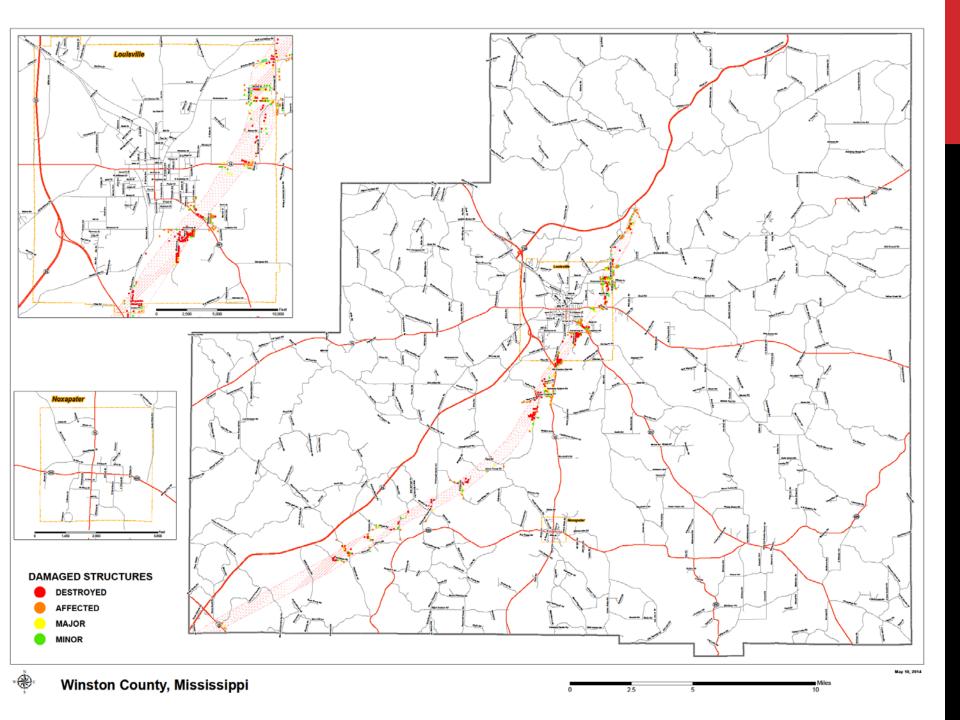
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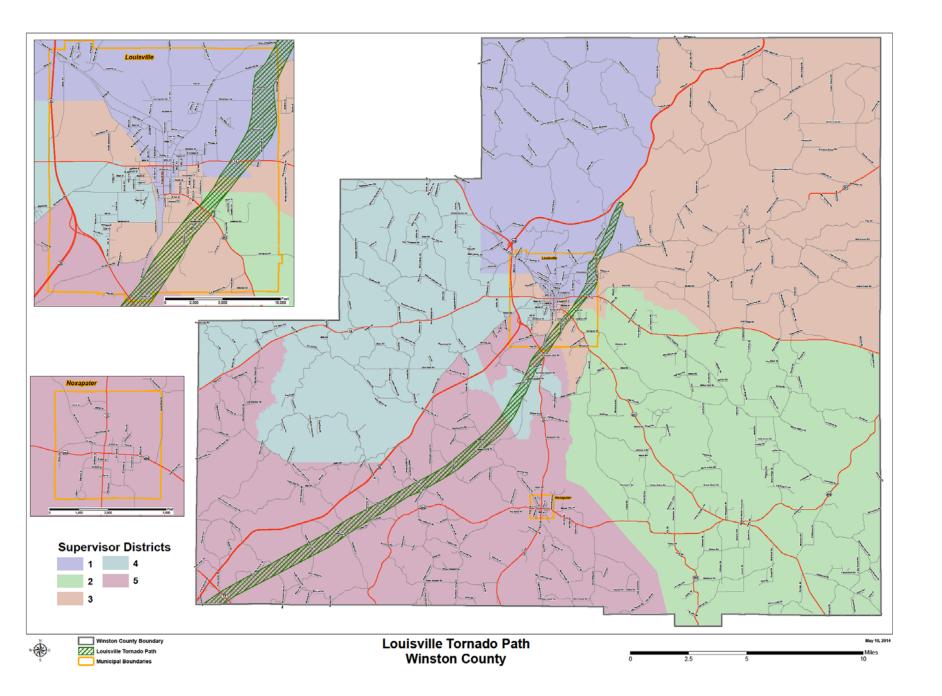


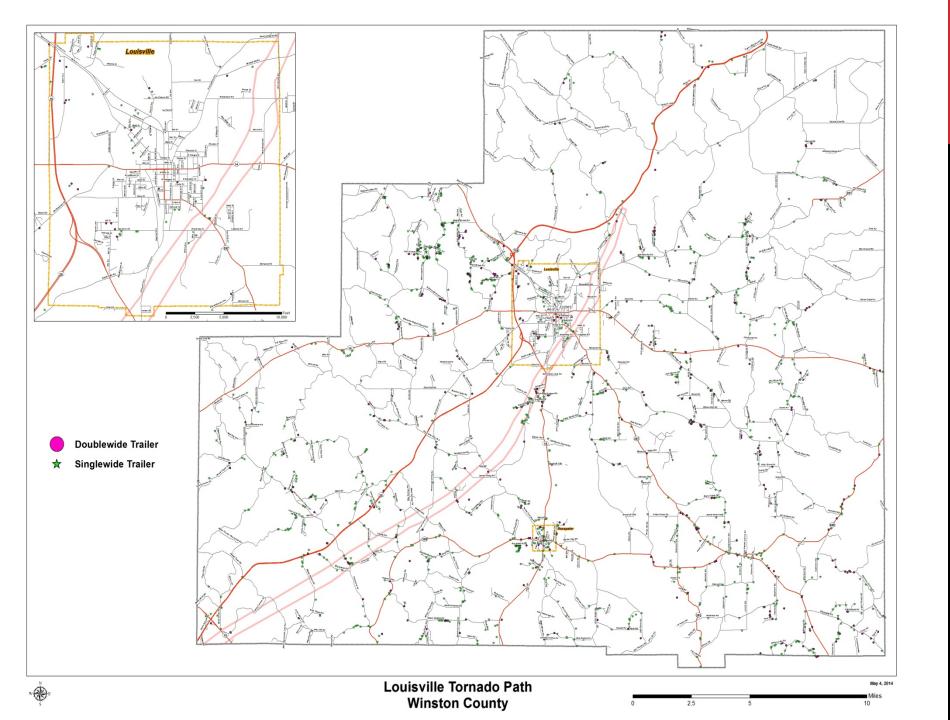


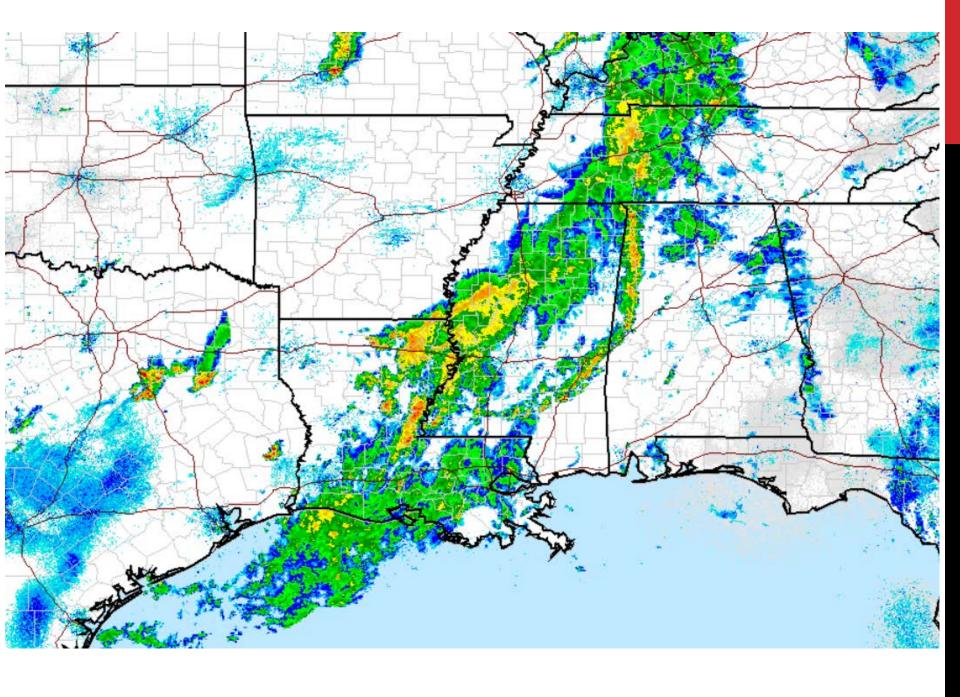


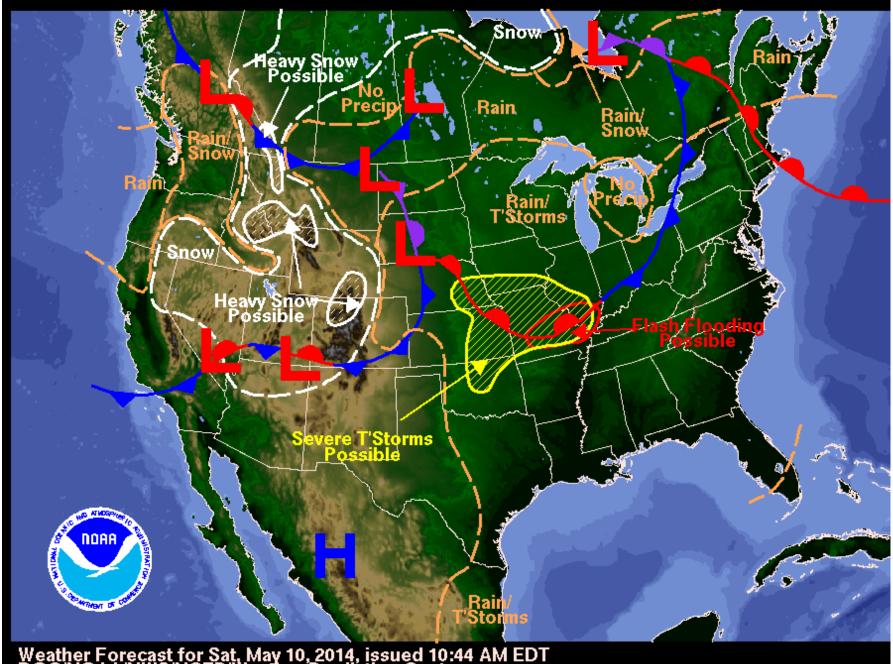








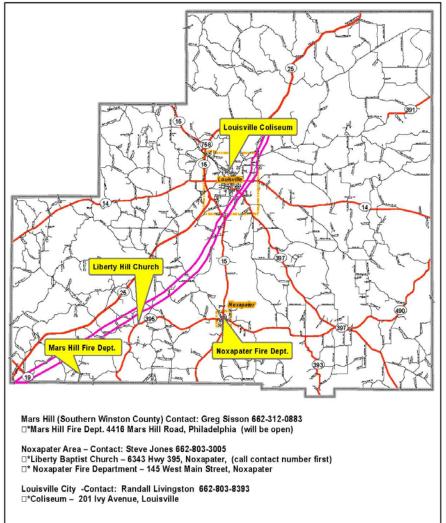




Weather Forecast for Sat, May 10, 2014, issued 10:44 AM EDT DOC/NOAA/NWS/NCEP/Weather Prediction Center Prepared by Hurley/Ryan based on WPC, SPC and NHC forecasts

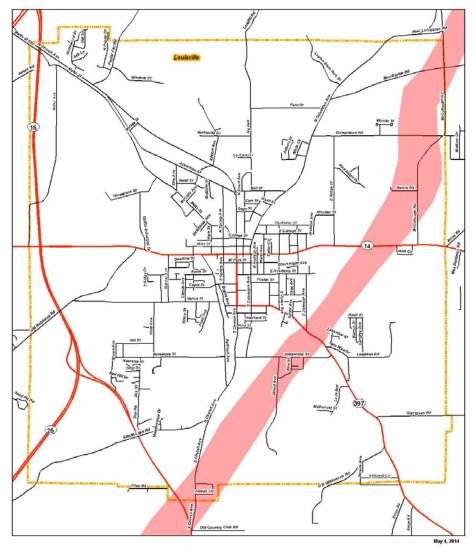
300+ VOLUNTEER GROUPS

AND MORE FEMA KIDS THAN YOU COULD COUNT.....



INCLEMENT WEATHER SHELTERS WINSTON COUNTY, MS



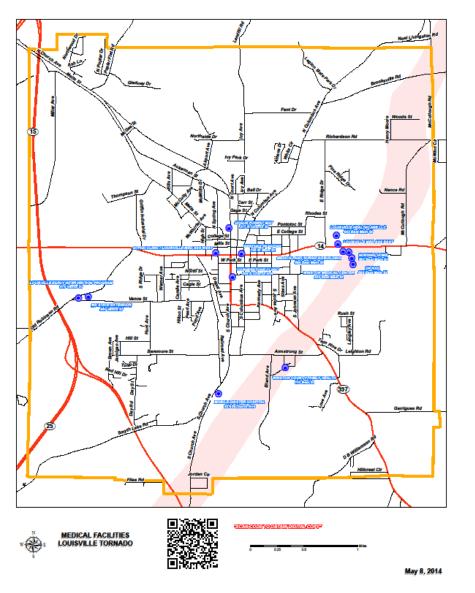


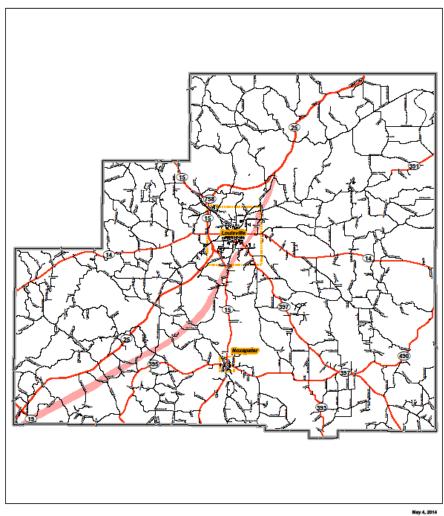


TORNADO PATH LOUISVILLE, MS



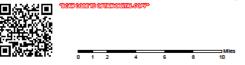


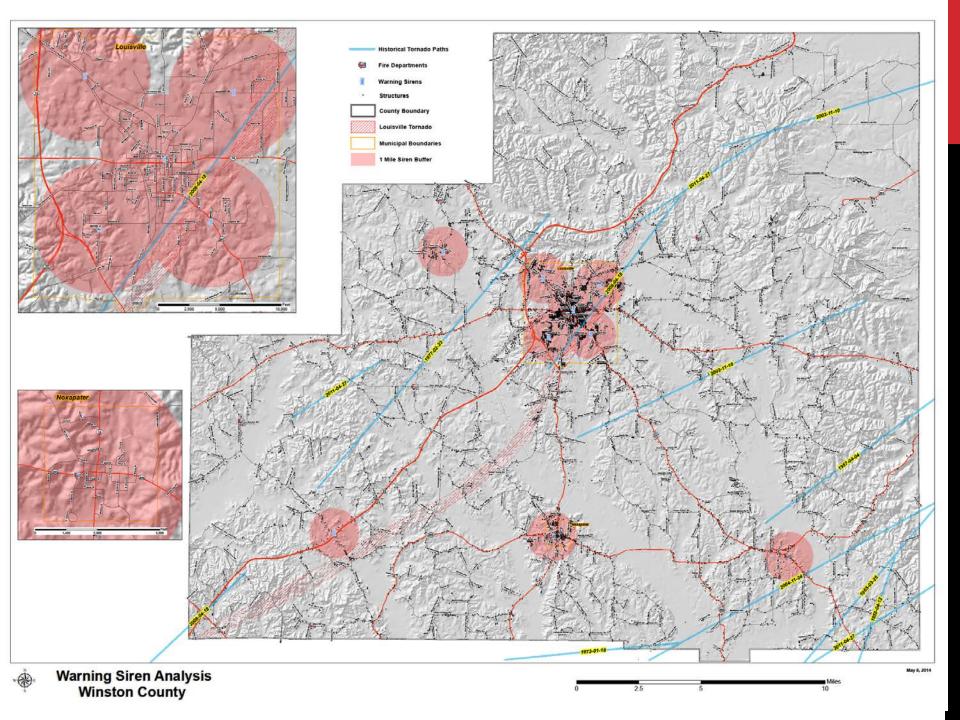


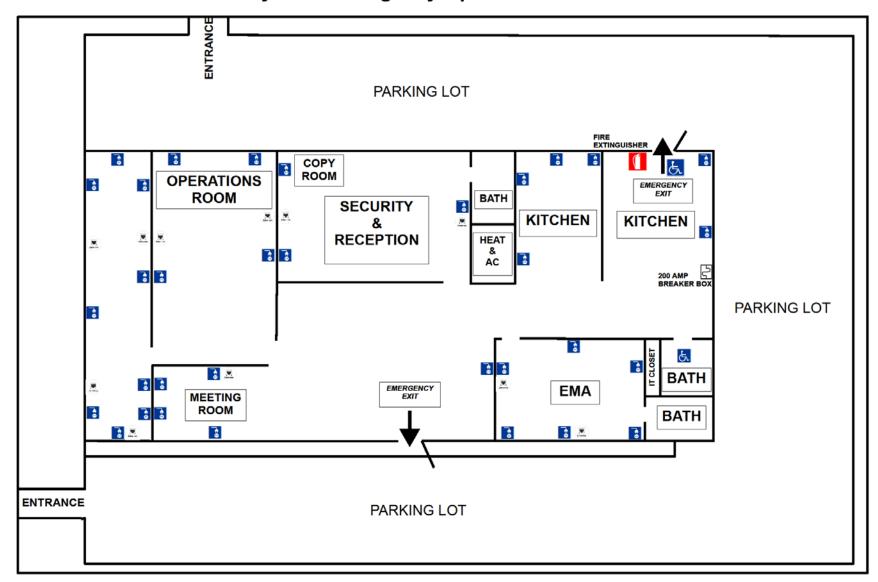




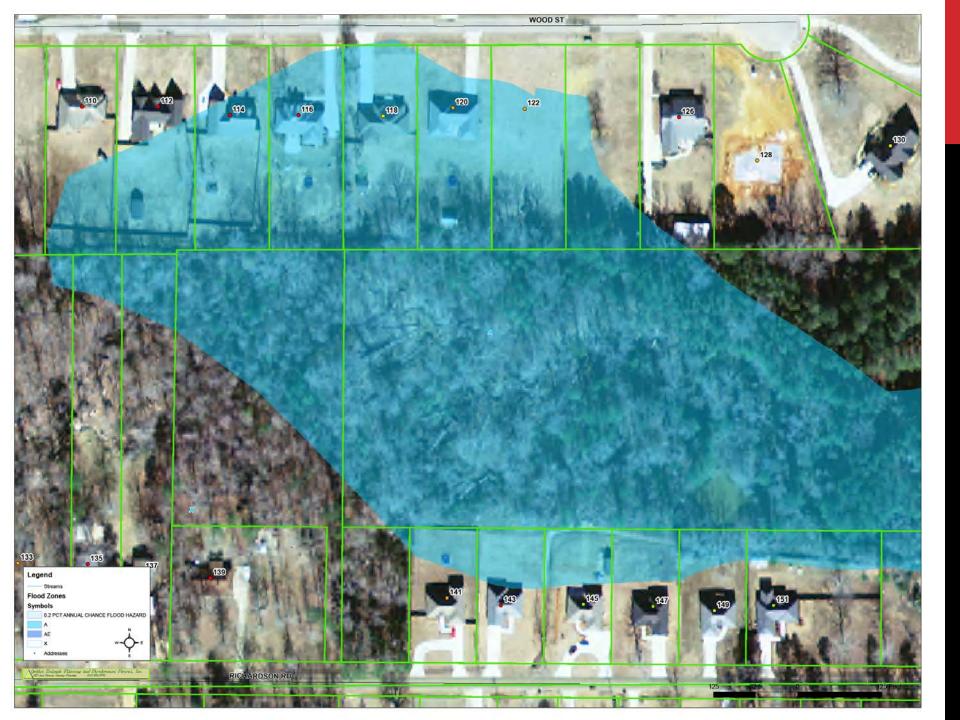
TORNADO PATH WINSTON COUNTY, MS

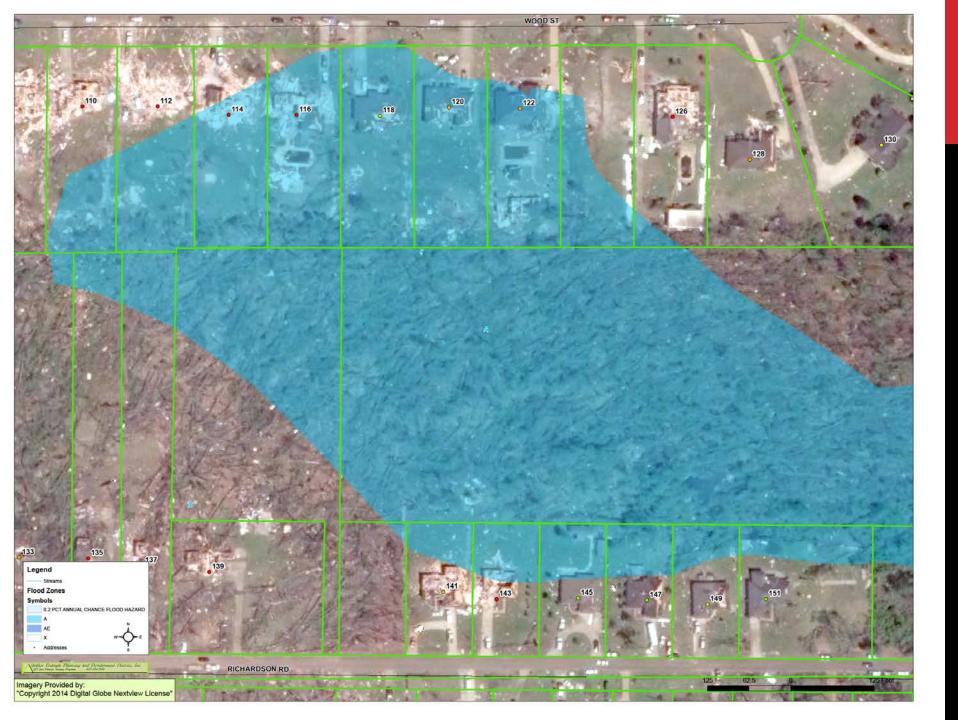












AFTER ACTION REPORT

Major Strengths

The major strengths identified during this Event are as follows:

- The Ability to Produce Map Products in a Timely Manner
- Understanding GIS Capabilities by IMT Members
- Quality of GIS Data Available for the Event Area.

AFTER ACTION REPORT

Primary Areas for Improvement

Throughout the event, several opportunities for improvement in MEMA's ability to respond to the incident were identified. The primary areas for improvement, including recommendations, are as follows:

- Additional Personnel: GIS Analyst, GIS Technician, & Coordinator (Ideal Situation)
- Educate Emergency Management Personnel on GIS Capabilities (Create and Implement Statewide GIS Outreach Plan)
- The need for establishing standardized mapping products and procedures.
- Establish a Standard Job Description for GIS Professionals within an IMT, Including a Field Operating Guide.
- Define and Establish Key Functions for Situational Events to be added to the Field Operating Guide.



Unified SAR GIS Coordination Mark Sanders (MEMA) Charlie Welch (MDWFP) Scott Trapolino (Desoto)



SAR GIS Coordinator
Region 1 Scott Trapolino
Desoto County
Chris Downs Panola Co.



SAR GIS Coordinator
Region 2 Lance Cooper
Rankin County
Kay Little Madison Co.



SAR GIS Coordinator Region 3 Paul Barnes Harrison County Dusty Reed Harrison Co.

ANY QUESTIONS?

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