

GIS From the Frontlines: Applications In Geospatial Technology

Richard Kotapish, GISP

Lake Co. GIS Dept



CSU Capstone GIS

April 19, 2012



GIS PROFESSION

GIS Director, Manager or Coordinator duties

- Manages resources of GIS; confers and coordinates with user organizations and GIS personnel to determine user needs.
- Oversees all GIS operations; supervises directly, or through GIS staff, all activity associated with implementation, operation, and enhancement of the GIS.
- Coordinates and monitors contracts with GIS hardware, software, data conversion, and other providers of GIS products and services.
- Coordinates with groups involved in GIS data sharing
- Organizes application and other development activities.

Project Management	Emergency Management	Map Production
Data Conversion/Q.C.	Data Integration/GPS	Project Implementation
Workshops/Training	Business Process Development	Local Government Processes

GIS PROFESSION

GIS Director, Manager or Coordinator duties

- Provides oversight on activities associated with implementing, operating, and enhancing the GIS
- Prepares the annual budget for GIS operations, capital expenditures, and professional services
- Coordinates design and enforcement of GIS standards and operating procedures
- Develops GIS project schedules and work programs to support organization-wide GIS operations
- Plans for in-house and contracted training programs on GIS operations and applications

GIS PROFESSION

GIS Director, Manager or Coordinator Qual.

The GIS Director should have education and experience of many years, thorough experience with GIS design, implementation, and management, including considerable experience in both administrative duties and project supervision. Demonstrate sound skills in administrative and technical management, budget responsibility, technical writing, excellent communication skills and the ability and interest to work directly with individuals and groups. Work experience in local government and familiarity with local government operations, mapping and geo-processing operations.

GIS PROFESSION

GIS Director, Manager or Coordinator

Technology utilized:

ESRI ArcInfo, ArcGIS Server, ArcSDE, ArcIMS, Arc Publisher/Reader, Spatial Analyst, ArcPad, Trimble GPS, SQLServer, Microsoft ASP (Java Script, HTML 5), Microsoft Office Pro and Adobe Photoshop

MapInfo, AutoCAD Map, others

GIS PROFESSION

GIS Database Administrator

- Manages database resources of the GIS; confers and coordinates with the GIS Director, user organizations, and GIS personnel to determine user needs
- Oversees all GIS operations; supervises directly or through GIS staff all activity associated with implementation, operation, and enhancement of the GIS.
- Assists in coordinating contracts with GIS data conversion and related service vendors.
- Responsible for development and enforcement of data standards impacting coding schemes, database designs, and data update procedures.
- Oversees data quality control procedures and loading of data to the system; coordinates activities in data transfer and translation

GIS PROFESSION

GIS Database Administrator

- Establishes and enforces procedures for data access security and access rights
- Produces or reviews preliminary and detailed designs for new or modified database elements
- Performs or assists in investigating and recommending sources and approaches for automating GIS database elements
- Provides documentation and training for system users
- Performs related work as required

GIS PROFESSION

GIS Analyst / Programmer

- Analyze user organization functional requirements and develop GIS application designs
- Write GIS application programs
- Test GIS applications
- Prepare documentation of GIS application programs
- Prepare GIS application user manuals
- Train user staff in the operation of GIS applications
- Provide user support for GIS application programs
- Perform GIS hardware and software operations; perform activity associated with implementation, operation, and enhancement of the GIS hardware and software
- Assist in evaluating requirements for database enhancement and system upgrades
- Assist in designing and enforcing GIS database standards for content
- Produce or review preliminary and detailed designs for new or modified database elements
- Investigate and recommend sources and approaches for automating GIS database elements

GIS PROFESSION

GIS Map Technician

- Assist in design and implementation of applications; attend training and execute applications.
- Perform GIS hardware and software operations; perform data quality control; produce maps, plots and reports.
- Participate in installation, testing, and acceptance of hardware and software.
- Provide input in evaluating requirements for database enhancement and system upgrades.
- Assist in developing and following GIS database standards for content, format, design, and maintenance procedures.
- Provide input in developing designs for new or modified database elements.
- Assist in investigating and recommend sources and approaches for automating GIS database elements.
- Perform related work as required.

GIS PROFESSION

GIS DB Admin. and GIS Analyst Programmer

Technology utilized:

ESRI ArcInfo, ArcGIS Server, ArcSDE, ArcIMS, Spatial Analyst, 3-D Analyst, SQLServer, Microsoft ASP (Visual Basic, Java Script, HTML), Microsoft Visual Studio 2005 (VB, C Sharp), .NET, FLEX, AJAX

MapInfo, AutoCAD Map, others

GIS PROFESSION

Barriers to Success

- Insufficient funding “on a shoe-string”
- Bureaucratic inertia “we’ve always done it this way”
- Insufficient RFP specifications
- Long standing turfs, kingdoms and fiefdoms
- Silos of legacy information
- Ever changing technology

Lake Enterprise GIS

County Agencies	Support Applications
Auditor's Office	ArcIMS, ArcMap, Pictometry, Spatial Analyst, Change Detection
Board of Elections	ArcIMS, ArcMap
Building Department	ArcIMS, ArcMap, Pictometry
Commissioner's Office	ArcIMS, ArcMap, Pictometry
Emergency Management Agency	ArcIMS, ArcMap, Pictometry, Spatial Analyst, Change Detection
Engineer's Office	ArcIMS, ArcMap, Pictometry, Trimble PathFinder Office
GIS Department	ArcIMS, ArcMap, ArcPublisher, Pictometry, Spatial Analyst
	ArcSDE, Oracle, MicroStation, SQLServer, VisualBasic
Health Dept	ArcIMS, ArcMap, Pictometry
Narcotics Agency	ArcIMS, Pictometry
Planning Commission	ArcIMS, ArcMap, Pictometry
Prosecutor's Office	ArcIMS, ArcMap, Pictometry
Recorder's Office	ArcIMS
Sheriff's Office	ArcIMS, ArcMap, Pictometry
Lake SWCD	ArcIMS, ArcMap, Pictometry
Stormwater Management	ArcIMS, ArcMap, Pictometry, Trimble PathFinder Office
Telecommunications	ArcIMS, Spatial Analyst
Utilities Department	ArcIMS, ArcMap, ArcReader, Pictometry
Public Defender	ArcIMS, Pictometry

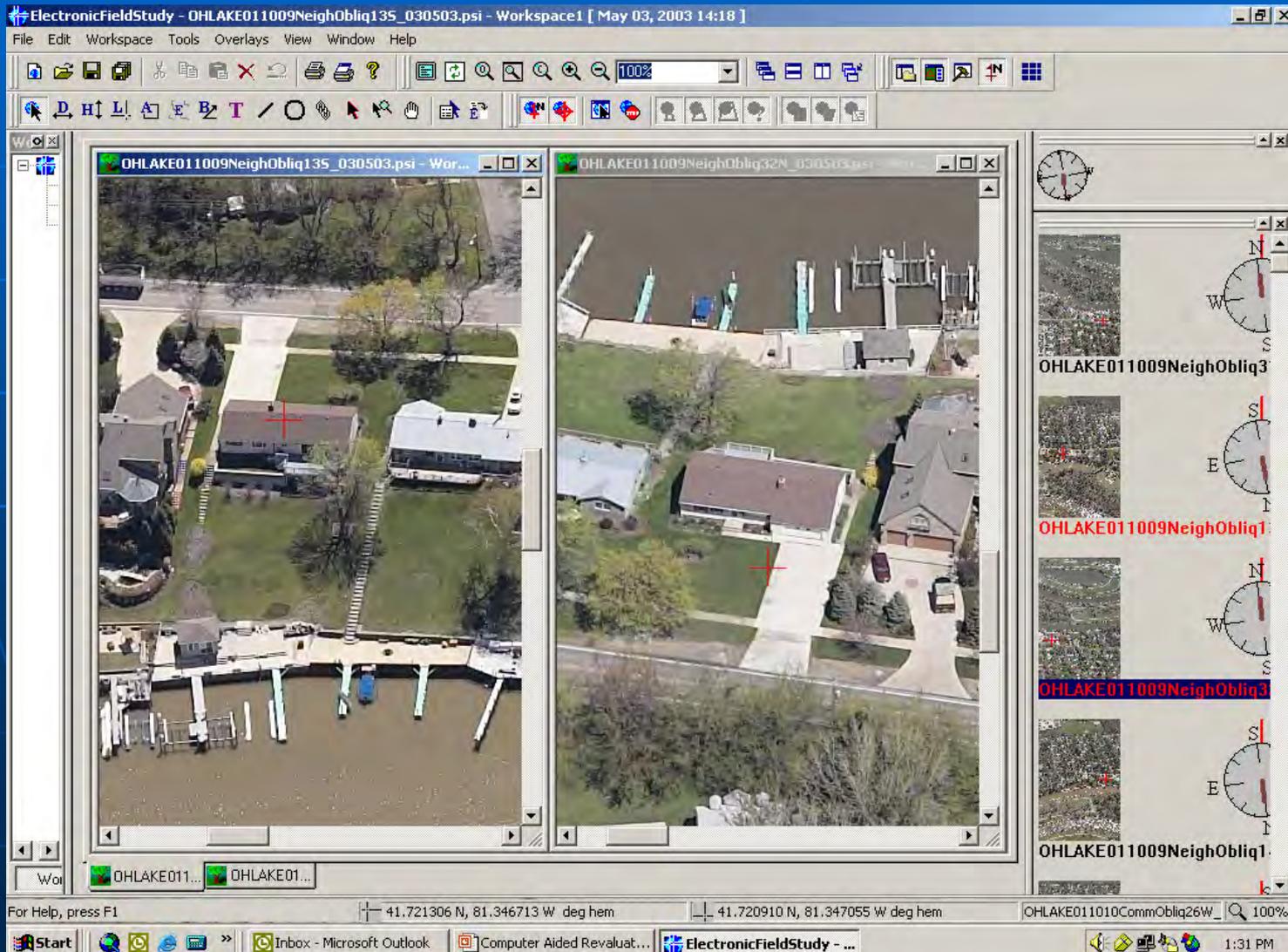
EFS in Lake County

- 2003 Imagery, updated in 2004, 2005, 2007 and 2011
- Multi-departmental, cross jurisdictional
– over 450 users in County Offices, Cities, Townships, Fire Departments, Police and Dispatch
- Homeland Security distribution to First Responders



Lake Enterprise GIS

Pictometry



Lake Enterprise GIS

Pictometry

13 Local Police Departments

Eastlake Police Department

Kirtland City Police Department

Kirtland Hills Police Department

Madison Vlg. Police Department

Mentor Police Department

**Mentor-on-the-Lake Police
Department**

N. Perry Vlg. Police Department

Painesville City Police Department

Perry Vlg. Police Department

Wickliffe Police Department

Willoughby Police Department

Willoughby Hills Police Department

Willowick Police Department

14 Local Fire Departments

Concord Fire Department

Eastlake Fire Department

Kirtland City Fire Department

Leroy Township Fire Department

Madison Township Fire Department

Mentor Fire Department

Mentor-on-the-Lake Fire Department

Painesville City Fire Department

Painesville Township Fire Department

Perry Fire District

Wickliffe Fire Department

Willoughby Fire Department

Willoughby Hills Fire Department

Willowick Fire Department

Lake County Pictometry Distribution Program

Over 450 installations



OHLAKE005019NeighObliq95N

OHLAKE005019NeighObliq76S

OHLAKE005019NeighObliq75S

OHLAKE005019NeighObliq96N

OHLAKE005019NeighObliq96N

Lake County Pictometry Distribution Program

- Countywide distribution to first responders, dispatch centers, are nearly complete. Nearly every Fire Department, some Police Departments, SWAT, Narcotics Agency, Dispatch Centers in the County is participating in this Homeland Security grant funded program.



Fire Department Mapping

Fire Address Mapping with electric/gas shutoffs, knockboxes, hydrants, etc.



EASTLAKE FIRE DEPT. PREPLAN PAGE 1 OF 1
8/9/99

LEGEND

	HYDRANT
	ELECTRIC METER/PANEL
	GAS METER/SHUTOFF
	FD CONNECTION
	KNOX BOX
	MAN DOOR
	OVERHEAD DOOR
	POWERLINE POLE
	AUTHOR

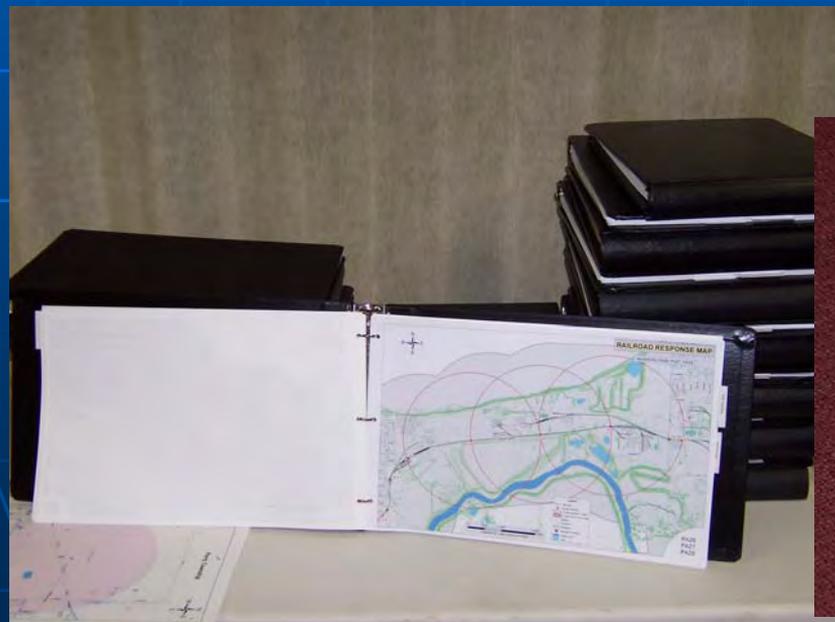
Emergency Preparation

Risk Assessment & Planning Available Tools

Identify Hazards

First Responder 11 x 17 Map Books Heavy-duty for the field

Map Book PDF's on CD



Emergency Preparation

First Responder 11 x 17 Map Books

RAILROAD INCIDENT RESPONSE

Countywide railroad mapping w/.5 mile radius buffers

DOT grade crossing numbers, 2 ft contours

Proximity to CI:

Daycare centers

Assisted Living

Schools

Nursing/rehab homes

Urgent care

Mental health

Residential/

Commercial Structures

Senior Centers

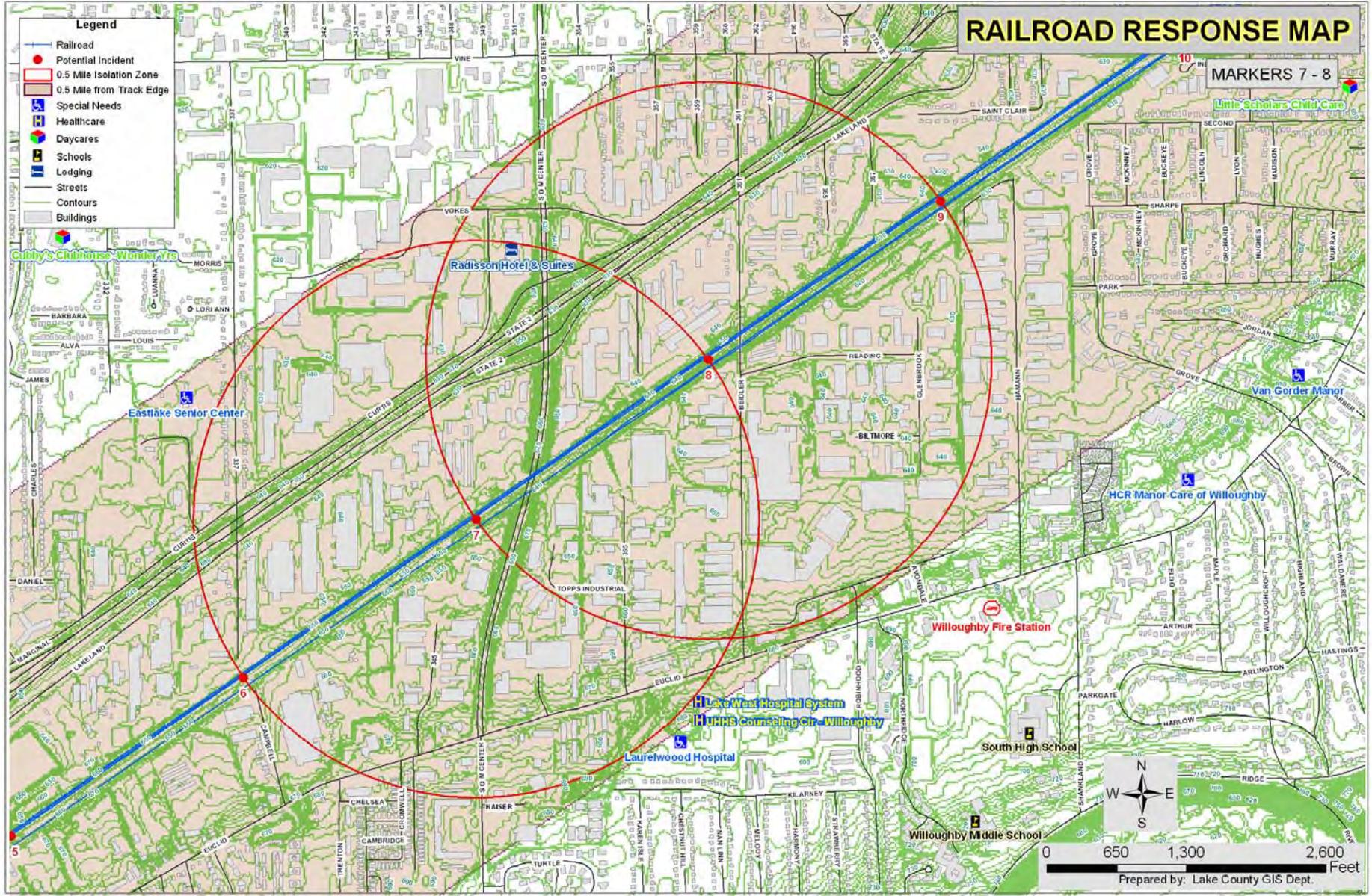
Lodging

Libraries

Hospitals

Surgery clinics

Specialty rehab



First Responder 11 x 17 Map Book page Railroads Coverage

Lake Enterprise GIS

Lake Navigator

The screenshot shows a web browser window with the address bar displaying <http://www.lakegis.org/>. The website header features a compass rose logo and the text "LAKE COUNTY Enterprise GIS". Below the header, a navigation menu on the left lists: Home, LakeNavigator, Links, FAQ, Contacts, GIS Board, and User Group. The main content area includes a welcome message, a paragraph describing GIS, and a central diagram of the Enterprise GIS system. The diagram shows a central compass rose with "Enterprise GIS" written across it, surrounded by various departments: BOARD OF COMMISSIONERS, COUNTY ENGINEER, PLANNING, LAW ENFORCEMENT, HEALTH DEPARTMENT, EMERGENCY MANAGEMENT, BOARD OF ELECTIONS, and AUDITOR. On the right side, there are several sections: "START HERE" with a "LakeNavigator" button and a link to "Online Mapping Application"; "LakeGIS PUBLIC ACCESS SYSTEM" with a link to "Search Archived Documents"; "Interactive Mapping" with links for "2006 Flood", "Perry Nuclear Zones", and "Stormwater"; "QUICK LINKS" with links for "Having trouble with LakeNavigator? Click here", "SCANNED PLATS & ARCHIVE TAX MAPS (Tax Map)", "PROPERTY SEARCH (Auditor)", and "DOCUMENT SEARCH (Recorder)"; and "AFFILIATED SITES" with links for "LAKE COUNTY ENGINEER" and "TAX MAP DEPARTMENT".

Welcome to the
Lake County GIS Department

It is estimated that more than eighty percent of governmental functions are associated with managing information about specific locations or geographic areas. A Geographic Information System (GIS) is a computer system for the input, editing, storage, maintenance, management, retrieval, analysis, and output of geographically referenced information. GIS supports applications such as emergency dispatch, land planning, emergency management and Homeland Security, property appraisal, civil engineering, natural resource monitoring, transportation planning, monitoring crime and accidents, public health and environmental analysis, economic development, census analysis, and many more.

BOARD OF COMMISSIONERS

AUDITOR

COUNTY ENGINEER

BOARD OF ELECTIONS

PLANNING

LAW ENFORCEMENT

EMERGENCY MANAGEMENT

HEALTH DEPARTMENT

Enterprise GIS

START HERE

LakeNavigator

Online Mapping Application

LakeGIS

PUBLIC ACCESS SYSTEM

Search Archived Documents

Interactive Mapping

[2006 Flood](#)

[Perry Nuclear Zones](#)

[Stormwater](#)

QUICK LINKS

[Having trouble with LakeNavigator? Click here](#)

[SCANNED PLATS & ARCHIVE TAX MAPS \(Tax Map\)](#)

[PROPERTY SEARCH \(Auditor\)](#)

[DOCUMENT SEARCH \(Recorder\)](#)

AFFILIATED SITES

[LAKE COUNTY ENGINEER](#)

[TAX MAP DEPARTMENT](#)

Regional Common Operating Picture Website

Common Operational Picture
Emergency Operations Center

The screenshot displays a web-based Common Operational Picture (COP) interface. The main area is a satellite map of a city with a street grid overlaid. A 'National Grid' label is visible at the top center of the map. The interface includes a top navigation bar with various icons and a 'Table Of Contents' panel on the right side. The 'Table Of Contents' panel lists various layers and their visibility status. The map shows several red and blue markers, and a scale bar at the bottom left indicates 500 meters and 2000 feet. The coordinates 37.22, Longitude: -81.242524 are shown at the bottom left.

Table Of Contents

Layer Visibility

- Emergency Operational Layers
 - Critical Infrastructure
 - RELOCATING RECEIVING SCHOOL
 - Relocating Receiving Schools Label
 - Schools
 - School Labels
 - Buildings
 - Lake County Primary Care Centers
 - Lake County Primary Care Centers L
 - Ashtabula County Primary Care Cent
 - Ashtabula County Primary Care Cent
 - Geauga County Primary Care Center
 - Geauga County Primary Care Center
 - Lake County Alternate Care Centers
 - Lake County Alternate Care Centers
 - Ashtabula County Alternate Care Cet
 - Ashtabula County Alternate Care Cet
 - Geauga County Alternate Care Cent
 - Geauga County Alternate Care Cent
 - Perry Nuclear Power Plant
 - Community Centers
 - City Halls
 - Emergency Operating Center
 - Police Stations
 - Fire Stations
 - Health Facilities
 - Health Facilities Labels
 - Host Health Facilities
 - Veterinarians
 - Hospitals
 - Lodgings
 - Skate Facilities
 - Lumberyard
 - Supermarkets
 - Lost Nation Airport
 - Mobile Homes

Regional Common Operating Picture Website

Common Operational Picture
Emergency Operations Center

Table Of Contents

Layer Visibility

- Emergency Operational Layers
 - Critical Infrastructure
 - Decon
 - Ashtabula County Decontamination S...
 - Geauga County Decontamination St...
 - Lake County Decontamination Statio...
 - Emergency Transportation
 - Ashtabula Transportation Staging Ar...
 - Geauga Transportation Staging Area
 - Lake Transportation Staging Area
 - Ashtabula Pick-Up Points
 - Lake Pick-Up Points
 - Emergency
 - Compass
 - Siren Buffers
 - EHS 1 Mile Buffer
 - Countywide Evacuation Routes
 - PNPP Evacuation Routes
 - Flood Detours
 - Emergency Planning Zones
 - Environmental
 - 2ft Contours
 - 100 Year Flood Zones
 - Impervious Surface
 - Impervious Surface 2009
 - Census Block Groups
 - Local Parks
 - Metroparks
 - USNG NEOHIO
 - Lakes
 - Streams
 - Streams Fill
 - Utilities
 - Sewer Main
 - Transmission Lines
 - Pressurized Water Main

500 m
2000 ft

3370 Longitude: 81.237413

Regional Common Operating Picture Website

Common Operational Picture
Emergency Operations Center

Table Of Contents

Layer Visibility

- Emergency Operational Layers
 - Critical Infrastructure
 - Decon
 - Emergency Transportation
 - Emergency
 - Environmental
 - Utilities
 - Property
 - Addresses
 - Parcels
- Transportation
 - Access Points
 - Traffic Control Points
 - I90 Milemakers
 - I90 and R2 2&10 Milemarkers
 - Lake Centerlines
 - Lake Pavement Edge
 - Ashtabula Centerlines
 - Cuyahoga Centerlines
 - Geauga Centerlines
 - Railroads
 - Jurisdiction
- EMA Planning Zones
- Incident Point
- Incident Area
- Weather Information(Live Feed)
 - NOAA METAR Current Wind Speed and Dir
 - NOAA AHPS - Stream Gauges
 - NOAA Weather Warnings, Watches, Adviso
- RIDGE Radar(NOAA Feed)
- Imagery
 - World Imagery
 - Low-Resolution (15m) Imagery
 - High-Resolution (60cm) Imagery
 - High-Resolution (30cm) Imagery

500 m
2000 ft

3314 Longitude: 81.238132

Regional Common Operating Picture Website

The screenshot displays the 'Common Operational Picture' website interface. At the top, the header includes the 'EM' logo, the text 'Common Operational Picture Emergency Operations Center', and a navigation bar with icons for Home, US, NS, and other services. The main area features a satellite map with red parcel boundaries and green emergency operational layers. Two panels are overlaid on the map: a 'Search' panel on the left and a 'Table Of Contents' panel on the right. The search panel has a dropdown menu for 'Search layer' and 'Search by Parcel ID', both set to 'Parcels'. The search input field contains the text '10101'. The 'Table Of Contents' panel shows a 'Layer Visibility' section with a list of layers: 'Emergency Operational Layers', 'Critical Infrastructure', 'Decon', 'Emergency Transportation', 'Emergency', and 'Enviromental'. All layers have checkboxes that are currently checked. A scale bar at the bottom left indicates 5 km and 5 mi. The bottom right corner features the 'POWERED BY esri' logo.

Common Operational Picture
Emergency Operations Center

Search layer: Parcels
Search by Parcel ID: Parcels (10101)
Address: [Input Field]
Owner Last Name: [Input Field]
Search Clear

Table Of Contents
Layer Visibility
Emergency Operational Layers
Critical Infrastructure
Decon
Emergency Transportation
Emergency
Enviromental

5 km 5 mi
Latitude: 41.814316 Longitude: -81.318935

POWERED BY esri

Lake Navigator

SEARCH

LAYERS

- Planimetric
 - Bridges
 - Buildings
 - Centerlines
 - 2' Contours
 - Pavement
 - Edges
 - Railroads
 - Transmission Towers
- Cadastral
 - Parcels
 - Old Parcel Lines
 - Lots
 - Tracts
 - Sublot Numbers
 - Lot Dimensions
- Imagery
 - Color Photography
 - Aerial Photography
- Natural Resources
- Civil

Lake Navigator Public Access System - Microsoft Internet Explorer provided by Lake County

Lake Navigator

LAKE COUNTY PUBLIC ACCESS SYSTEM

Chart your course . . .

PARCEL SEARCH DOCUMENT NUMBERS

PLAT MAPS SURVEY MAPS

ARCHIVED TAX MAPS

LAKE NAVIGATOR INTERACTIVE ONLINE MAP

BACK

Parcel ID	Address	Owner
11-B-041-E-00-003-0	24 IROQUOIS	SMITH ADA J
11-B-041-E-00-004-0	IROQUOIS	SMITH ADA J
14-A-005-A-00-128-0	1000 201 SECOND ST	SMITH ADAM D
28-A-039-B-00-034-0	30104 HARRISON	SMITH ADAM K

Map created with ArcIMS - Copyright (C) 1992-2002 ESRI Inc.

base map land sales sketch bldg data taxes special assessments oby

BASE DATA

email this page print this page property record card

Parcel ID: 28A039B000340 Owner: SMITH ADAM K

Owner Address: 30104 HARRISON ST WILLOWICK OH 44095

Property Address: 30104 HARRISON

Legal Description: 27 L|26-27 A|GOLFVIEW 2 50

Class: R - SINGLE FAMILY DWELLING, PLATTED LOT

Land Use Code: RESIDENTIAL

Number Of Cards: 1

Rooms: 5 Bedrooms: 3

Baths: 1.5 Sq. Feet: 1123

Heat/Cooling.: + AIR CONDITION Year Built: 1956

VALUES

Market Land Value: \$74,270 APPRAISED ASSESSED (35%) \$8,400

http://www.lakegis.org/lakenavigator/viewer.htm?Query=PTN=28-A-039-B-00-034-0%3AQueryZoom=Y%3A

Lake Navigator

SEARCH

Parcels

Old Parcel Lines

Lots

Tracts

Sublot Numbers

Lot Dimensions

Imagery

Color Photography

Aerial Photography

Natural Resources

Civil

Refresh Map

Click on the appropriate parcel ID and the map will zoom to the parcel, highlight the parcel and open a window of Auditor's Real Estate System information

Lake Navigator

LAKE COUNTY PUBLIC ACCESS SYSTEM

Chart your course...

PARCEL SEARCH DOCUMENT NUMBERS
 PLAT MAPS SURVEY MAPS
 ARCHIVED TAX MAPS

LAKE NAVIGATOR INTERACTIVE ONLINE MAP

Lifeline help...

Parcel Search

Search for a specific parcel by NAME, ADDRESS, or PERMANENT PARCEL NUMBER (PPN). The search will output a list of potential parcels. Select one of these to see the Auditor's data. On the Auditor's information page, hit the 'MAP' button to view the specific parcel.

SEARCH BY:

ADDRESS
 OWNER'S NAME
 PARCEL NUMBER

Enter Owner's Name
 Owner: **Submit**

Lake Navigator

LAKE COUNTY PUBLIC ACCESS SYSTEM

Chart your course...

PARCEL SEARCH DOCUMENT NUMBERS
 PLAT MAPS SURVEY MAPS
 ARCHIVED TAX MAPS

LAKE NAVIGATOR INTERACTIVE ONLINE MAP

Lifeline help...

Place your cursor over the buttons to the left to see what each one does. A detailed description of each function will appear in this window. If you have any questions with this interface, please contact the Lake County GIS Department - (440) 350-5943.

BACK

Parcel ID	Address	Owner
11-B-041-E-00-003-0	24 IROQUOIS	SMITH ADA J
11-B-041-E-00-004-0	IROQUOIS	SMITH ADA J
14-A-005-A-00-128-0	1000 201 SECOND ST	SMITH ADAM D
28-A-039-B-00-034-0	30104 HARRISON	SMITH ADAM K

Use the search options below to find available documents in the Recorder's site.

Lake Navigator

LAKE COUNTY PUBLIC ACCESS SYSTEM

Chart your course...

PARCEL SEARCH DOCUMENT NUMBERS
 PLAT MAPS SURVEY MAPS
 ARCHIVED TAX MAPS

LAKE NAVIGATOR INTERACTIVE ONLINE MAP

Lifeline help...

Document Information

This search is directly linked to the Lake County Recorder's database. It complements the Recorder's Online Document Search by adding the ability to search by parcel number and provide a link to a map. For document information prior to 1986 please refer to the hard-copy or scanned tax maps.

Instrument Number:

Parcel Number: no dashes

Name: last, first

Document Type:

Document Code:

Date Range: To

Search by: All
 Grantor (Debtor)
 Grantee (Creditor)
 3rd Party

[Search Help?](#)

Search **Reset**

Lake Navigator

LAKE COUNTY PUBLIC ACCESS SYSTEM

Chart your course...

PARCEL SEARCH DOCUMENT NUMBERS
 PLAT MAPS SURVEY MAPS
 ARCHIVED TAX MAPS

LAKE NAVIGATOR INTERACTIVE ONLINE MAP

Lifeline help...

Place your cursor over the buttons to the left to see what each one does. A detailed description of each function will appear in this window. If you have any questions with this interface, please contact the Lake County GIS Department - (440) 350-5943.

BACK TO SEARCH FORM LAKE COUNTY RECORDER'S OFFICE SITE CONTAINS DATA BACK TO 1/1/1986

Name (GR - Grantor, GE - Grantee)	Instrument Number	Instrument Code	Filing Date	Location	Legal Description	Parcel Number
BUSH FAMILY REVOCABLE LIVING TRUST (GE)	1002B03118	DEED	0/28/1999	KIRTLAND	S/L TO REGENCY WOODS SUB PH IIIA	20-A-007-A-00-095-0
BUSH FAMILY REVOCABLE LIVING TRUST (GE)	1002B031102	DEED	0/28/1000	MENTOR	S/L 84 MENTOR EAST INDUSTRIAL SUB 2 0.848 AC	10-B-002-P-00-037-0

Lake Navigator PUBLIC ACCESS SYSTEM - Microsoft Internet Explorer provided by Lake County Data Center

Lake Navigator

LAKE COUNTY PUBLIC ACCESS SYSTEM

Chart your course... Lifeline help...

PARCEL SEARCH DOCUMENT NUMBERS
 PLAT MAPS SURVEY MAPS
 ARCHIVED TAX MAPS

LAKE NAVIGATOR INTERACTIVE ONLINE MAP

Place your cursor over the buttons to the left to see what each one does. A detailed description of each function will appear in this window. If you have any questions with this interface, please contact the Lake County GIS Department - (414) 350-5943.

Name (GR - Grantor, GE - Grantee)	Instrument Number	Instrument Code	Filing Date	Location	Legal Description	Parcel Number
BUSH FAMILY REVOCABLE LIVING TRUST (GE)	1999R031161	DEED	8/28/1999	KIRTLAND	S/L 79 REGENCY WOODS SUB PH IIIA	20-A-007-A-00-09
BUSH FAMILY REVOCABLE LIVING TRUST (GE)	1999R031162	DEED	8/28/1999	MENTOR	S/L 24 MENTOR EAST INDUSTRIAL SUB 2 0 848 (C7.4) AC	16-D-096-A-00-083-078

http://www.lakecountyrecorder.org/recorders/search/results.asp

LAKE COUNTY RECORDER

FRANK A. SUPONCIC, RECORDER

About the Recorder's Office About Frank Suponic Search the Document Index Contact Information

Go to... Search

Home Document Index Search Results: (Page 1 of 1)

Search the Document Index

Instrument Code Definitions Help

Search Criteria

Instrument #:	1999R031161	Document Type / Code:	All Types / All Codes
Name:		Date From:	1/1/1901
Grantor/Grantee:	All	Date To:	11/4/2003

Instrument Number	Instrument Code	Filing Date	Name (GR - Grantor, GE - Grantee)	Location	Legal Description	Parcel Number
1999R031161	DEED	8/28/1999	(GR) BUSH, COREEN (GR) BUSH, EMIL F (GE) BUSH FAMILY REVOCABLE LIVING TRUST (GE) BUSH, COREEN W TRUSTEE (GE) BUSH, EMIL F TRUSTEE	KIRTLAND	S/L 79 REGENCY WOODS SUB PH IIIA	20-A-007-A-00-09



Click on the document number to go to the Recorder's site. Click on the parcel number (PIN) to zoom to the highlighted parcel and to open a window of Auditor's Real Estate System information.

base map land sales sketch bldg data taxes special assessments oby

BASE DATA

Parcel ID: 16D096A000830 Owner: WINSLOW IRENE E & BETH A OSBORNE
 Owner Address: 5555 ANACONDA MENTOR OH 44060
 Property Address: 5555 ANACONDA

Legal Description: L1678
 A[12 SALIDA 50FF

Class: R - SINGLE FAMILY DWELLING, PLATTED LOT
 Land Use Code: RESIDENTIAL
 Number Of Cards: 1

Rooms: 5 Bedrooms: 2
 Baths: 1 Sq. Feet: 1120
 Heat/Cooling.: NORMAL Year Built: 1955

VALUES	APPRAISED	ASSESSED (35%)
Market Land Value:	\$15,180	\$5,310
Market Impr Value:	\$46,430	\$16,250
Total Value:	\$61,610	\$21,560
CAUV Value:	\$0	\$0

http://www.lakegis.org/laknavigator/viewer.htm?Query=PIN%3D%2216-D-096-A-00-083-0%22&Que

Lake Navigator

SEARCH

- Railroads
- Transmission Towers
- Cadastral
- Parcels
- Old Parcel Lines
- Lots
- Tracts
- Sublot Numbers
- Lot Dimensions
- Imagery
- Natural Resources
- CM

Refresh Map

Map created with ArcGIS - Copyright (C) 1995-2000 ESRI Inc.

Lake Navigator

LAKE COUNTY PUBLIC ACCESS SYSTEM

Chart your course ...

Parcel Search | Document Numbers | Plat Maps | Survey Maps | Archived Tax Maps

Lifeline help ...

Plat Maps

Plat maps are static maps recorded with the county showing changes in land ownership, such as, subdivisions, annexations, road dedications and vacations, and condominiums. The scanned images of the plats can be searched by PLAT NAME, AREA, TYPE, or VOLUME/PAGE. Plat pages can be viewed online or downloaded for offline viewing.

LAKE NAVIGATOR INTERACTIVE ONLINE MAP

TO SEE A PLAT PAGE, ENTER SEARCH CRITERIA IN BOXES BELOW.

NAME: willow | THE LESS YOU ENTER THE MORE CHOICES YOU WILL HAVE. | Search for Plat

AREA: | CITY / TOWNSHIP / VILLAGE

TYPE: | SUBDIVISION, VACATION, ANNEXATION, ETC ...

PLAT: | VOLUME-PAGE | Reset Form

Lake Navigator

LAKE COUNTY PUBLIC ACCESS SYSTEM

Chart your course ...

Parcel Search | Document Numbers | Plat Maps | Survey Maps | Archived Tax Maps

Lifeline help ...

Plat Maps

Plat maps are static maps recorded with the county showing changes in land ownership, such as, subdivisions, annexations, road dedications and vacations, and condominiums. The scanned images of the plats can be searched by PLAT NAME, AREA, TYPE, or VOLUME/PAGE. Plat pages can be viewed online or downloaded for offline viewing.

LAKE NAVIGATOR INTERACTIVE ONLINE MAP

CLICK ON THE PLAT NAME TO SEE A

NAME	AREA	TAXMAP	BOOK	PLAT	TYPE
Willowick Park Allotment	Eastlake	10-A-C	34-A	C-63	subdivision
Willowick Park Allotment	Eastlake	10-A-C	34-A	C-64	subdivision
Willowick Park Allotment	Eastlake	10-A-C	34-A	C-65	subdivision
Willowick Park Allotment	Eastlake	10-A-C	34-A	C-66	subdivision
Willowick Park Allotment	Eastlake	10-A-C	34-A	C-69	subdivision
Willowick Park No. 2	Eastlake	10-D	34-A	D-34	

Lake Navigator

LAKE COUNTY PUBLIC ACCESS SYSTEM

Chart your course ...

Parcel Search | Document Numbers | Plat Maps | Survey Maps | Archived Tax Maps

Lifeline help ...

Archived Tax Maps

Archived tax maps are the 10"x30" maps that were used before the use of GIS. They recorded ownership, document numbers, acreage, frontage, and transfer date. These scanned maps can be searched using BOOK/AREA and/or PAGE. The images can be viewed online or downloaded. The originals can also be viewed in person at the Tax Map office.

LAKE NAVIGATOR INTERACTIVE ONLINE MAP

TO SEE AN ARCHIVED TAX MAP, ENTER SEARCH CRITERIA IN THE BOXES BELOW.

BOOK / AREA: Select Area from List

- 1A - Madison Township (Madison Local School District)
- 1B - Madison Township (Madison Local School District)
- 2A - Madison Village (Madison Local School District)
- 3A - Perry Township (Perry Local School District)
- 4A - Perry Village (Perry Local School District)
- 5A - North Perry Village (Perry Local School District)
- 7A - Leroy (Painesville Township Local District)
- 8A - Concord (Painesville Township Local District)

PAGE: | Search

Lake Navigator

LAKE COUNTY PUBLIC ACCESS SYSTEM

Chart your course ...

Parcel Search | Document Numbers | Plat Maps | Survey Maps | Archived Tax Maps

Lifeline help ...

Archived Tax Maps

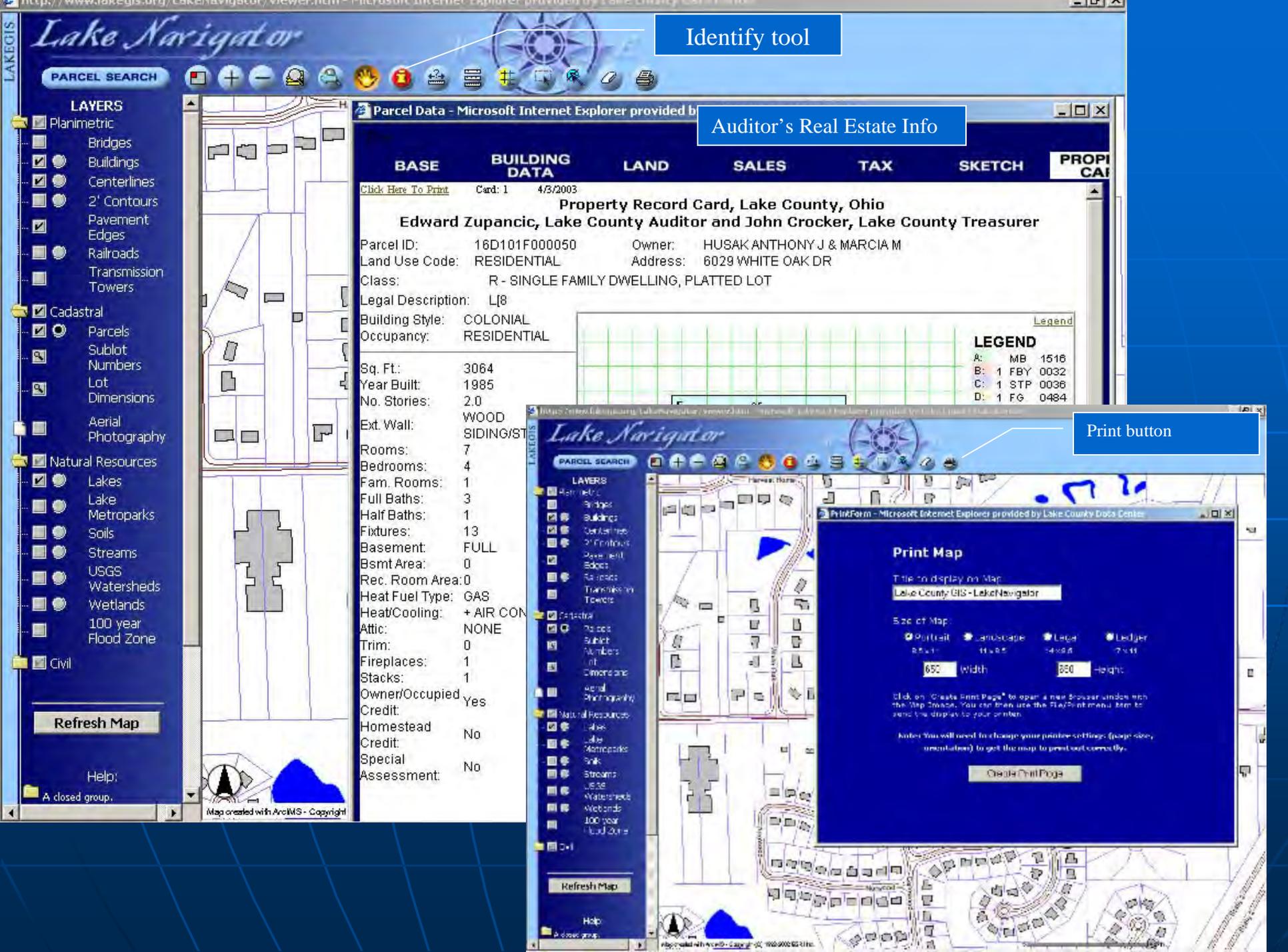
Archived tax maps are the 10"x30" maps that were used before the use of GIS. They recorded ownership, document numbers, acreage, frontage, and transfer date. These scanned maps can be searched using BOOK/AREA and/or PAGE. The images can be viewed online or downloaded. The originals can also be viewed in person at the Tax Map office.

LAKE NAVIGATOR INTERACTIVE ONLINE MAP

CLICK ON THE TAX MAP NAME TO SEE AN IMAGE OF IT

NAME	BACK TO SEARCH FORM
4A-35 OLD	DOWNLOAD
4A-36 OLD	DOWNLOAD
4A-43 OLD	DOWNLOAD
4A-43-A OLD	DOWNLOAD
4A-44 OLD	DOWNLOAD

Tax Map Viewer



Identify tool

Auditor's Real Estate Info

Print button

BASE BUILDING DATA LAND SALES TAX SKETCH PROPI CAI

Parcel Data - Microsoft Internet Explorer provided by Lake County Data Center

Click Here To Print Card: 1 4/3/2003

Property Record Card, Lake County, Ohio

Edward Zupancic, Lake County Auditor and John Crocker, Lake County Treasurer

Parcel ID: 18D101F000050 Owner: HUSAK ANTHONY J & MARCIA M
Land Use Code: RESIDENTIAL Address: 6029 WHITE OAK DR
Class: R - SINGLE FAMILY DWELLING, PLATTED LOT
Legal Description: L18
Building Style: COLONIAL
Occupancy: RESIDENTIAL

LEGEND	
A:	MB 1516
B:	1 FBY 0032
C:	1 STP 0036
D:	1 FG 0484

Sq. Ft.: 3064
Year Built: 1985
No. Stories: 2.0
Ext. Wall: WOOD
SIDING/ST
Rooms: 7
Bedrooms: 4
Fam. Rooms: 1
Full Baths: 3
Half Baths: 1
Fixtures: 13
Basement: FULL
Bsmt Area: 0
Rec. Room Area: 0
Heat Fuel Type: GAS
Heat/Cooling: + AIR CON
Attic: NONE
Trim: 0
Fireplaces: 1
Stairs: 1
Owner/Occupied: Yes
Credit: No
Homestead Credit: No
Special Assessment: No

Print Map

Title to display on Map:
Lake County GIS - Lake Navigator

Size of Map:
 Portrait Landscape Legal Ledger
8.5 x 11 11 x 8.5 14 x 8.5 7 x 11
650 Width 650 Height

Click on "Create Print Page" to open a new browser window with the Map Viewer. You can then use the Print/Menu menu item to send the display to your printer.

After You will need to change your printer settings (page size, orientation) to get the map to print out correctly.

Create Print Page

Refresh Map

Refresh Map

Help:

Help:

A closed group.

A closed group.

Map created with ArcIMS - Copyright

Map created with ArcIMS - Copyright

EMERGENCY RESPONSE

October 10, 2007 CSX Train Derailment

http://www.lakegis.org/lakenavigator/viewer.htm - Microsoft Internet Explorer

Lake Navigator

Layers: PARCEL SEARCH

- Transportation
 - Bridges
 - Centerlines
 - Pavement Edges
 - Railroads
- Geodetic Control
- Elevation
- Hydrography
- Cadastral
- Parcels
 - Parcel Labels
 - Old Parcel Lines
 - Tracts
 - Subdivisions
 - Sublot Numbers
 - Lot Dimensions
- Utilities
- Governmental
- Environmental
- Emergency Oper.
 - Nuclear Emergency Plan
 - Train Derailment Location
- Structures
- Aerial Photography
 - Color Orthos 2000
 - BW Orthos 2004
 - BW Orthos 2000
 - Cuyahoga East 2006
 - Cuyahoga West 2006
 - Ashtabula 2006
 - Geauga 2006

Refresh Map

Auto Refresh

EVACUATION ZONE, DETOURS, HOT ZONE, DERAILMENT LOCATION ON WEB

Zoom to Scale - 1 inch = 4912 ft. Go

SCANNED DOCUMENT VIEWERS
PLATS TAX MAPS

EMERGENCY RESPONSE





October 10, 2007 CSX Train Derailment

EMERGENCY RESPONSE



October 10, 2007 CSX Train Derailment

Incident Action Plan Map

CSX TRAIN DERAILMENT



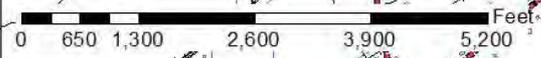
MOBILIZATION SITE
MENTOR CITY STATION 5

ATLAS CINEMA
STAGING AREA

HOME DEPOT
STAGING AREA

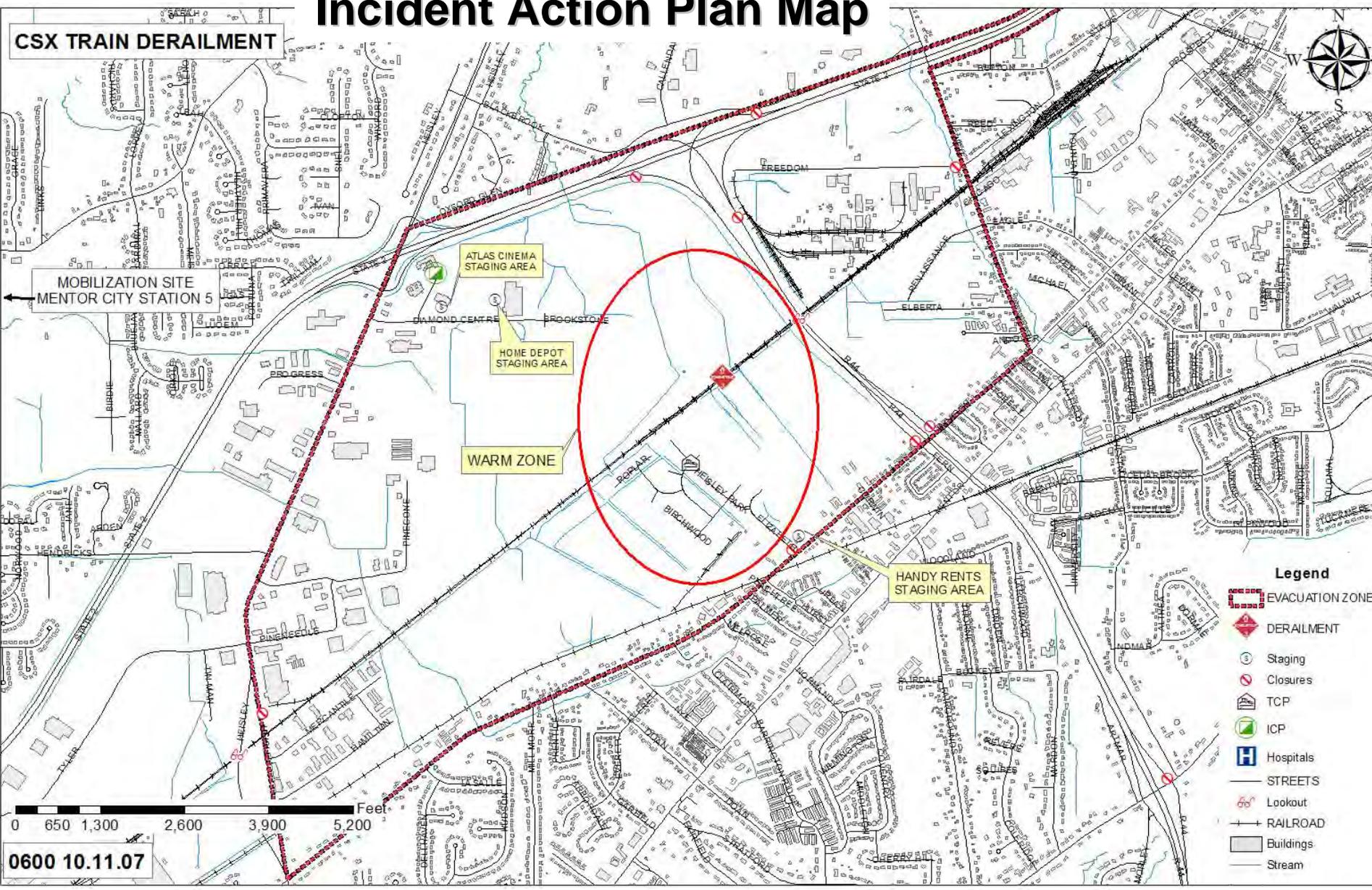
WARM ZONE

HANDY RENTS
STAGING AREA

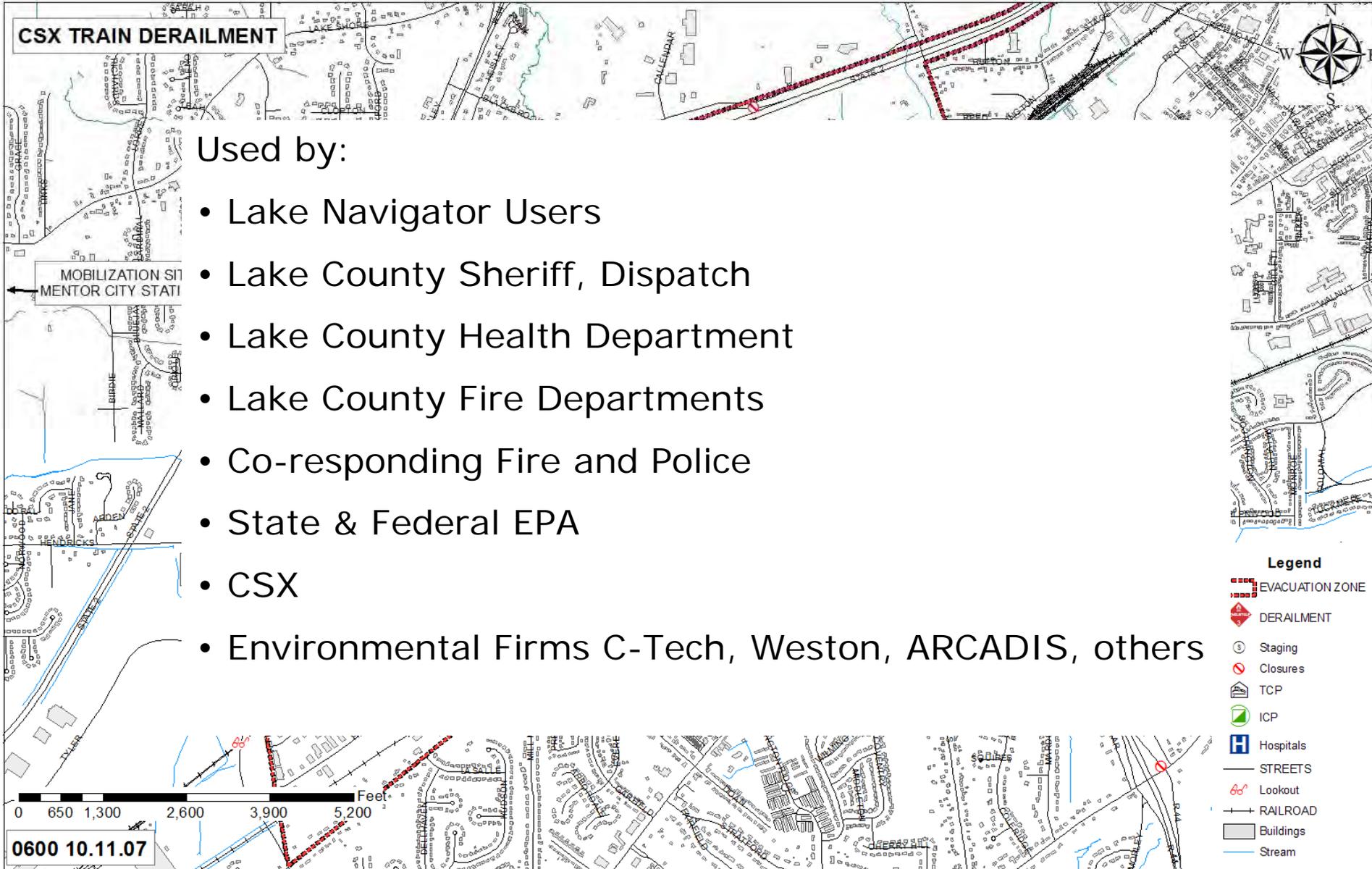


0600 10.11.07

- Legend**
- EVACUATION ZONE
 - DERAILMENT
 - Staging
 - Closures
 - TCP
 - ICP
 - Hospitals
 - STREETS
 - Lookout
 - RAILROAD
 - Buildings
 - Stream



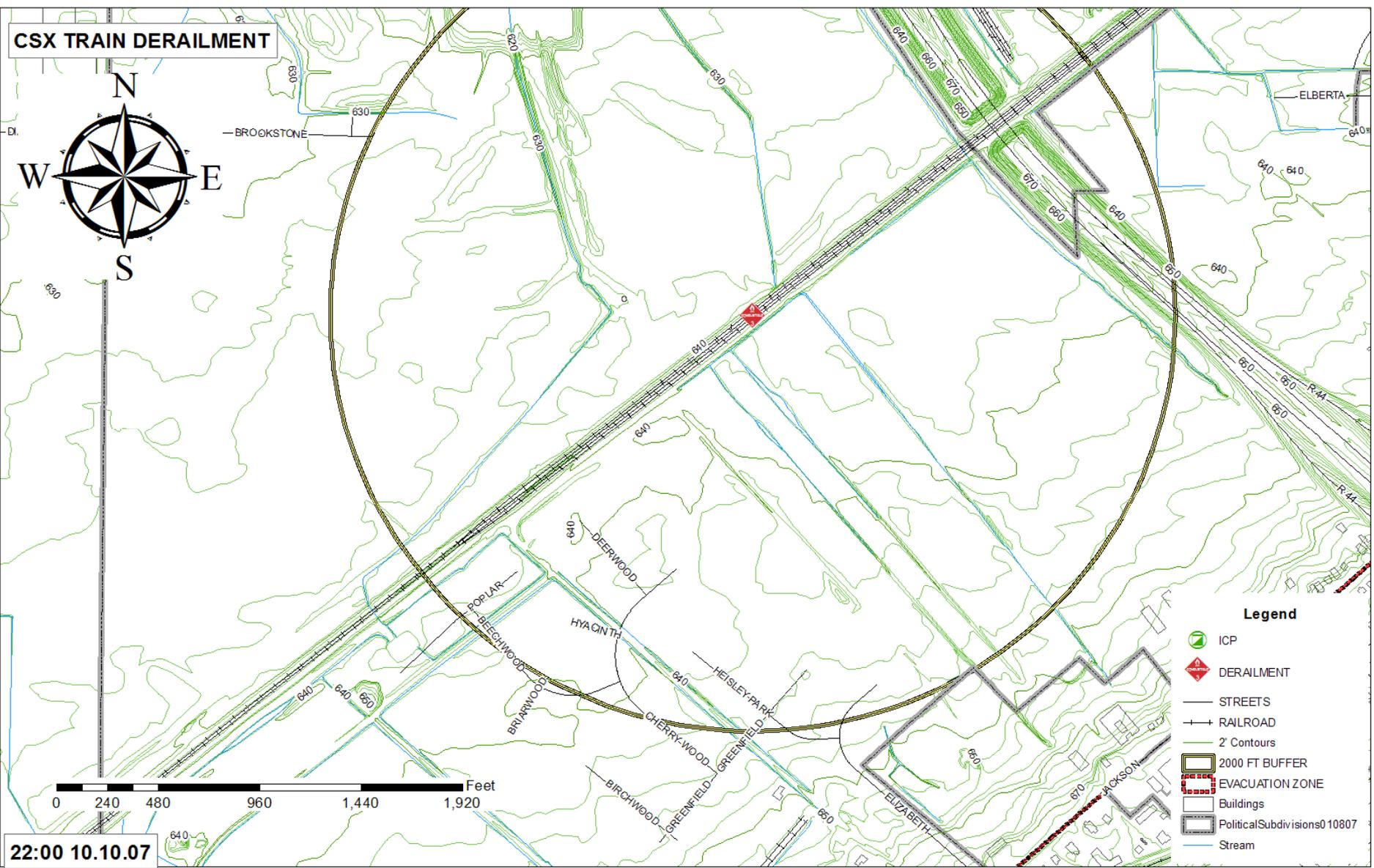
EMERGENCY RESPONSE



Used by:

- Lake Navigator Users
- Lake County Sheriff, Dispatch
- Lake County Health Department
- Lake County Fire Departments
- Co-responding Fire and Police
- State & Federal EPA
- CSX
- Environmental Firms C-Tech, Weston, ARCADIS, others

CSX TRAIN DERAILMENT

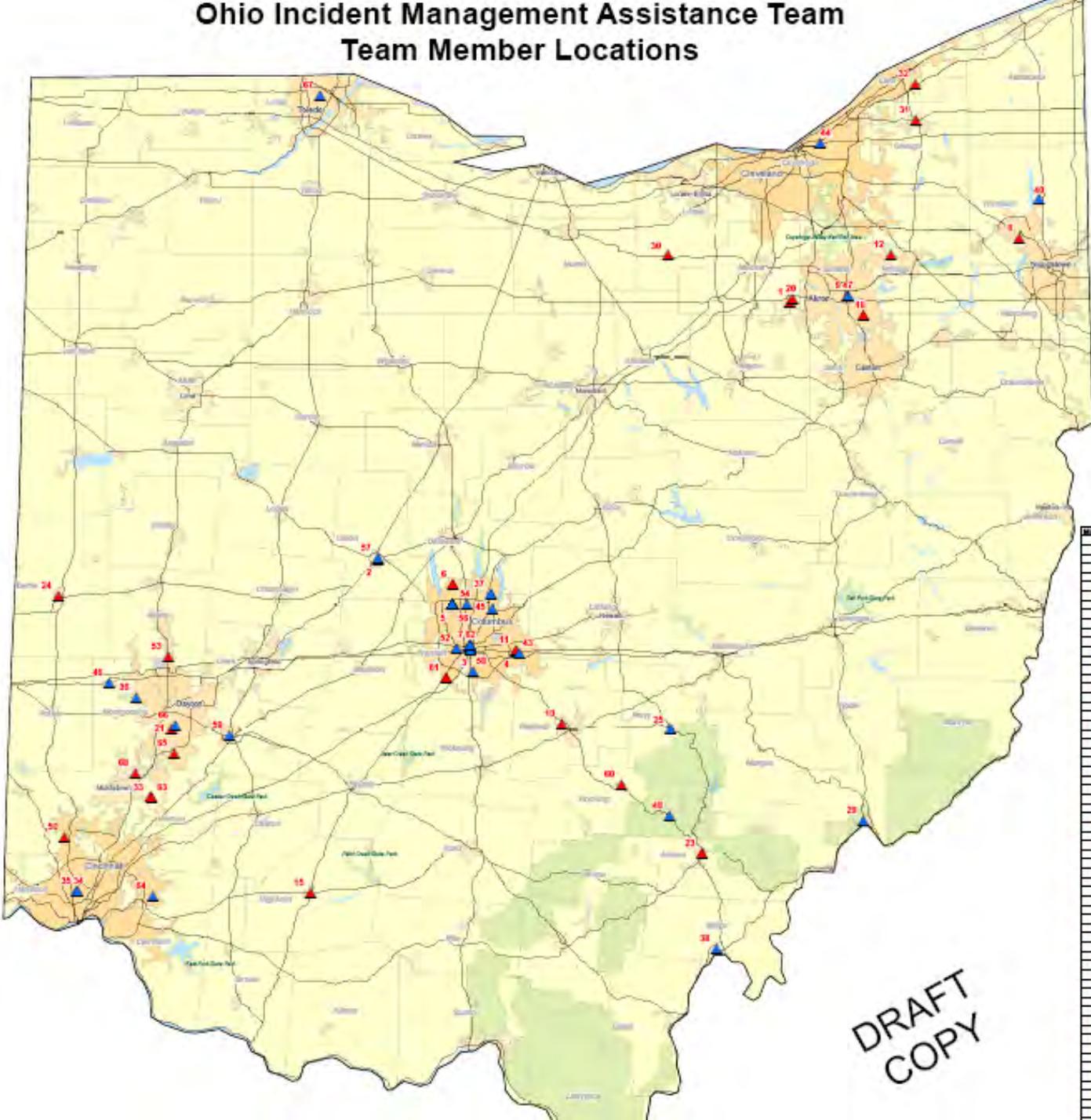
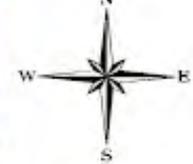


22:00 10.10.07

Legend

- ICP
- DERAILMENT
- STREETS
- RAILROAD
- 2' Contours
- 2000 FT BUFFER
- EVACUATION ZONE
- Buildings
- PoliticalSubdivisions0 10807
- Stream

Ohio Incident Management Assistance Team Team Member Locations



Legend

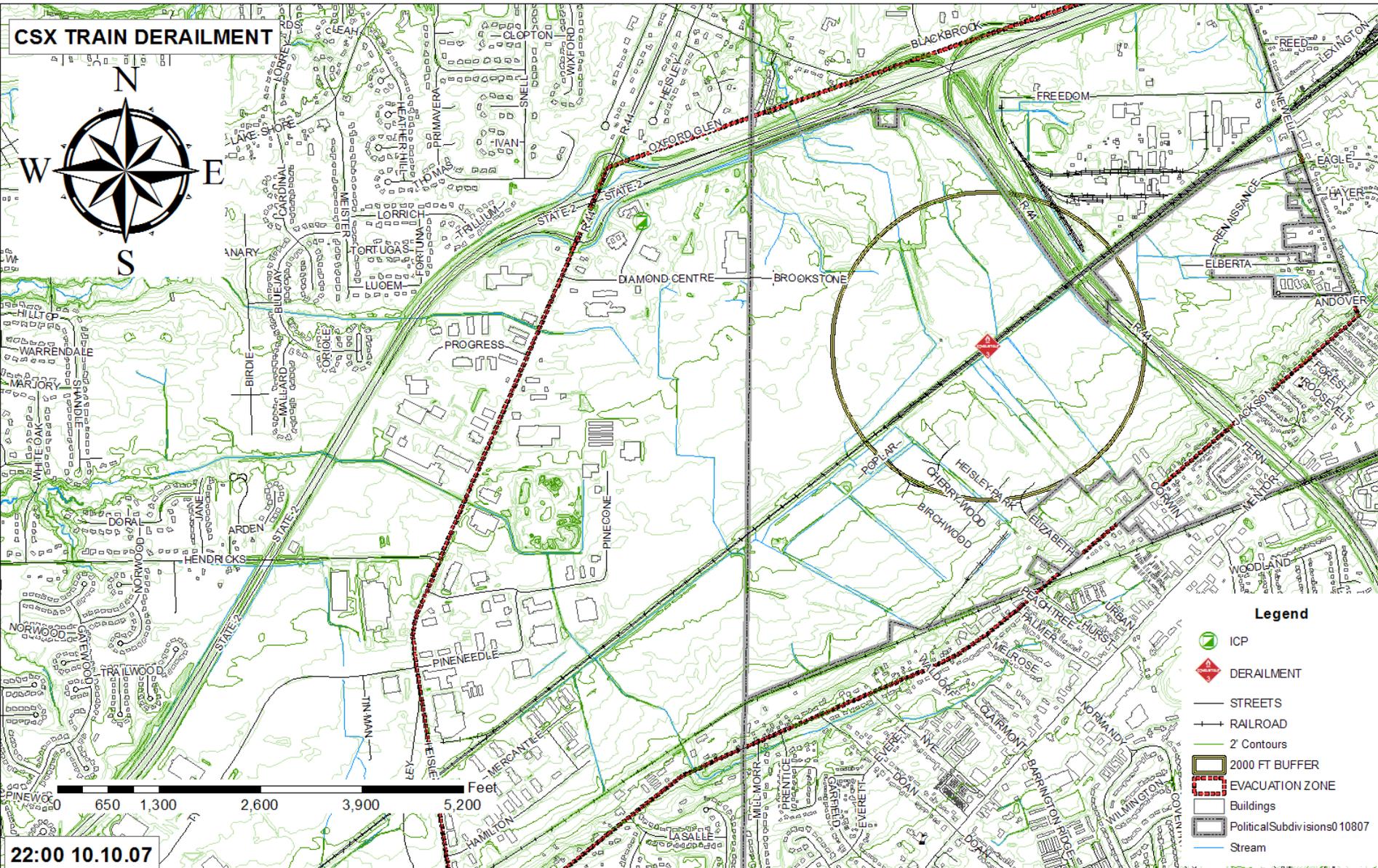
IMT staff

- ▲ Work
- ▲ Home

MAP ID	Name	City
1	Mark Adams	Wadsworth
2	David Adams	Marysville
3	Shelby Bank	Columbus
4	Mike Bailey	Reynoldsburg
5	James Baker	Columbus
6	Mike Bantala	Columbus
7	Chris Banta	Columbus
8	James Bauer	Wapakoneta
9	David Beckwith	Wapakoneta
10	Mary Alice Childs	Wapakoneta
11	Frank Cooke	Wapakoneta
12	Don Cooper	Cuyahoga Falls
13	Paul Cooper	Columbus
14	Frankie Cooper	Columbus
15	Sharon Cooper	Columbus
16	Ann Cooper	Columbus
17	Scott Cooper	Columbus
18	Jeff Crane	Columbus
19	Joe Daniel	Columbus
20	Tom Daniel	Wadsworth
21	Mark Decker	Cuyahoga Falls
22	Robert Decker	Columbus
23	Frank Decker	Columbus
24	James Decker	Columbus
25	J. Decker	Columbus
26	Mark Decker	Columbus
27	Mark Decker	Columbus
28	Mark Decker	Columbus
29	Mark Decker	Columbus
30	Mark Decker	Columbus
31	Mark Decker	Columbus
32	Mark Decker	Columbus
33	Mark Decker	Columbus
34	Mark Decker	Columbus
35	Mark Decker	Columbus
36	Mark Decker	Columbus
37	Mark Decker	Columbus
38	Mark Decker	Columbus
39	Mark Decker	Columbus
40	Mark Decker	Columbus
41	Mark Decker	Columbus
42	Mark Decker	Columbus
43	Mark Decker	Columbus
44	Mark Decker	Columbus
45	Mark Decker	Columbus
46	Mark Decker	Columbus
47	Mark Decker	Columbus
48	Mark Decker	Columbus
49	Mark Decker	Columbus
50	Mark Decker	Columbus
51	Mark Decker	Columbus
52	Mark Decker	Columbus
53	Mark Decker	Columbus
54	Mark Decker	Columbus
55	Mark Decker	Columbus
56	Mark Decker	Columbus
57	Mark Decker	Columbus
58	Mark Decker	Columbus
59	Mark Decker	Columbus
60	Mark Decker	Columbus
61	Mark Decker	Columbus
62	Mark Decker	Columbus

DRAFT COPY

CSX TRAIN DERAILMENT

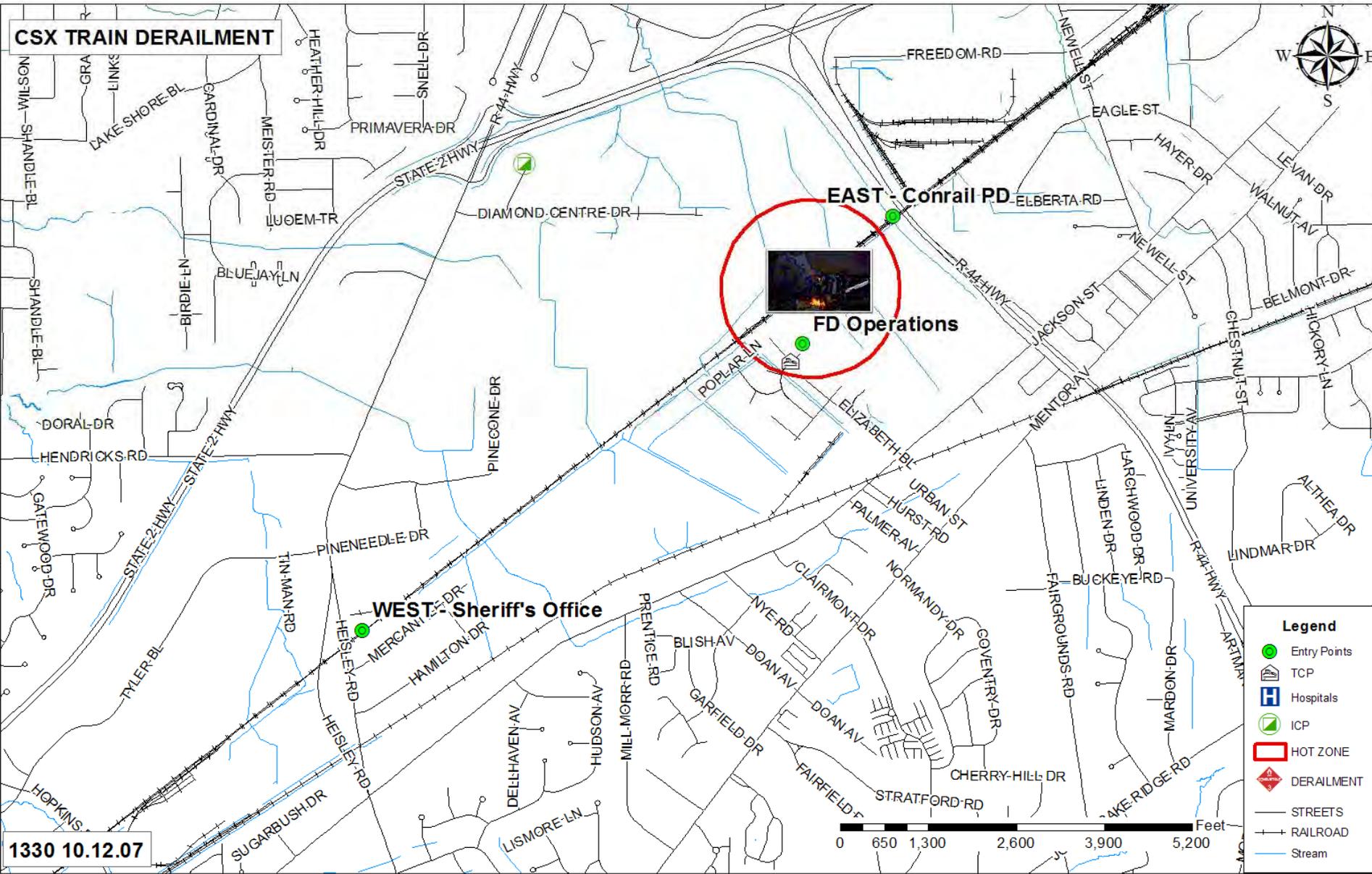


Legend

- ICP
- DERAILMENT
- STREETS
- RAILROAD
- 2' Contours
- 2000 FT BUFFER
- EVACUATION ZONE
- Buildings
- Political Subdivisions 010807
- Stream

22:00 10.10.07

CSX TRAIN DERAILMENT



1330 10.12.07

Legend

- Entry Points
- 🏠 TCP
- H Hospitals
- 📍 ICP
- 🔴 HOT ZONE
- 🚚 DERAILMENT
- STREETS
- RAILROAD
- Stream



CSX TRAIN DERAILMENT



MOBILIZATION SITE
MENTOR CITY STATION 5

ATLAS CINEMA

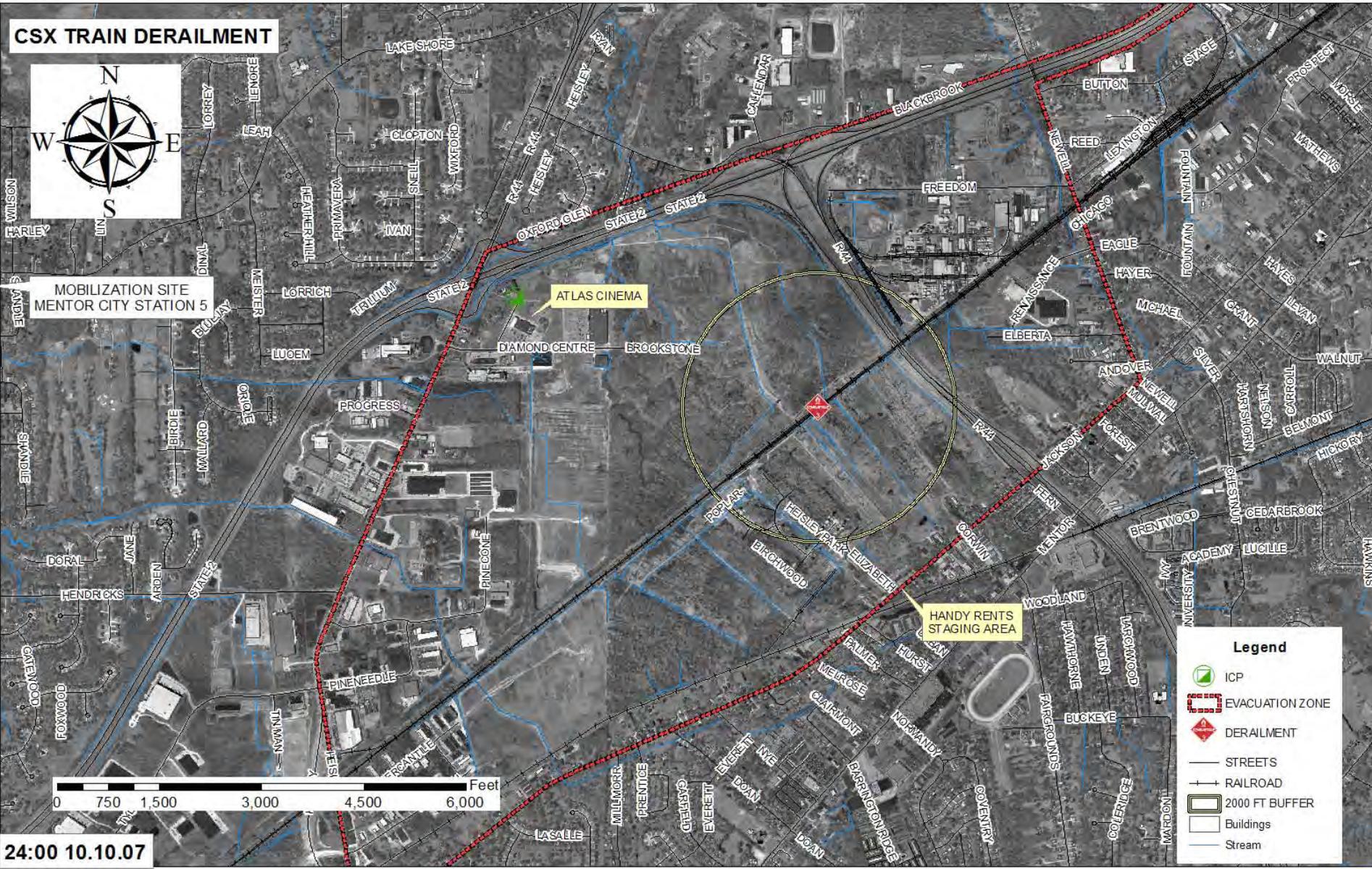
HANDY RENTS STAGING AREA



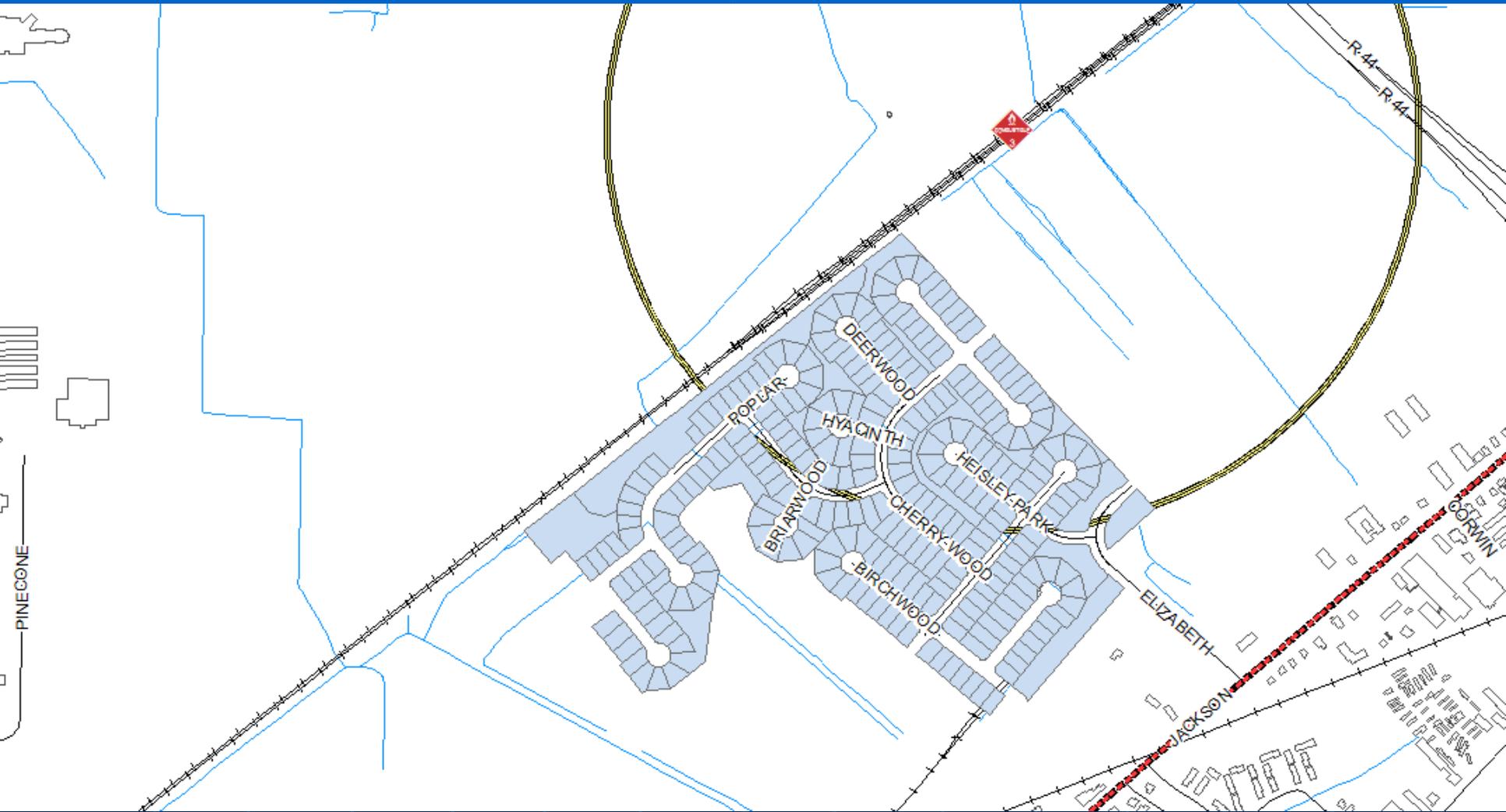
24:00 10.10.07

Legend

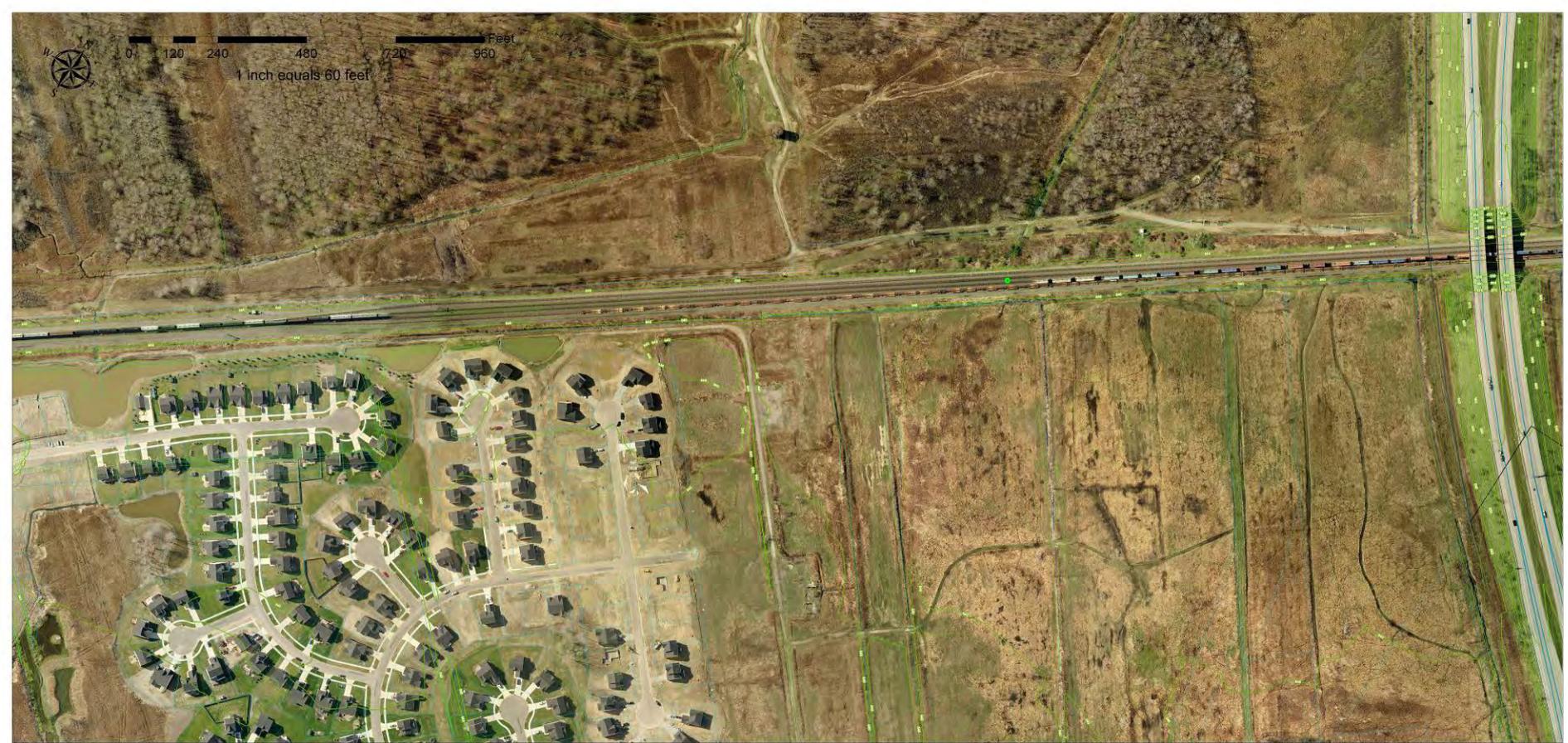
- ICP
- EVACUATION ZONE
- DERAILMENT
- STREETS
- RAILROAD
- 2000 FT BUFFER
- Buildings
- Stream



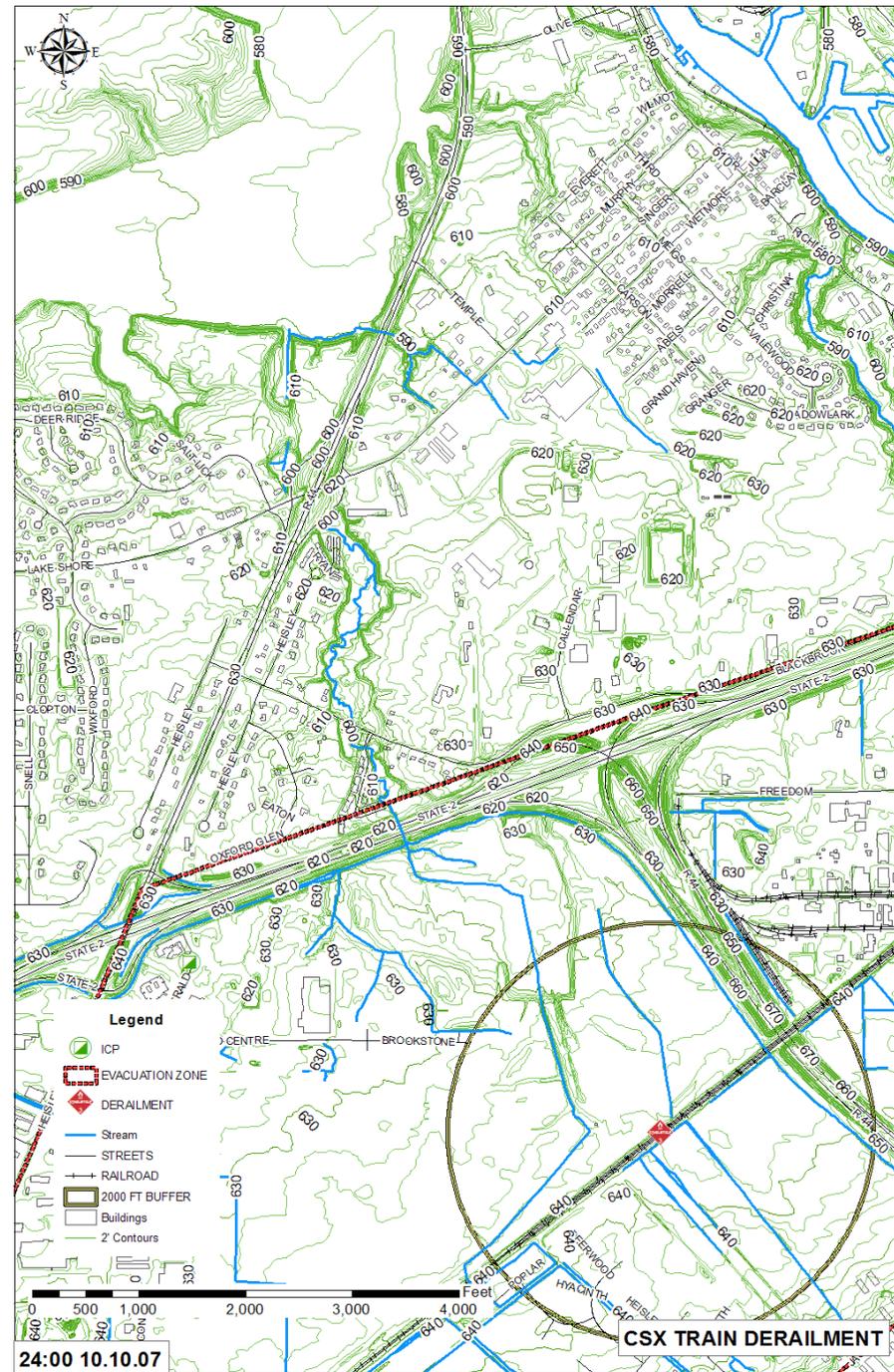
Impacted Property Ownership Data Provided



CSX Recovery Road Planning Map



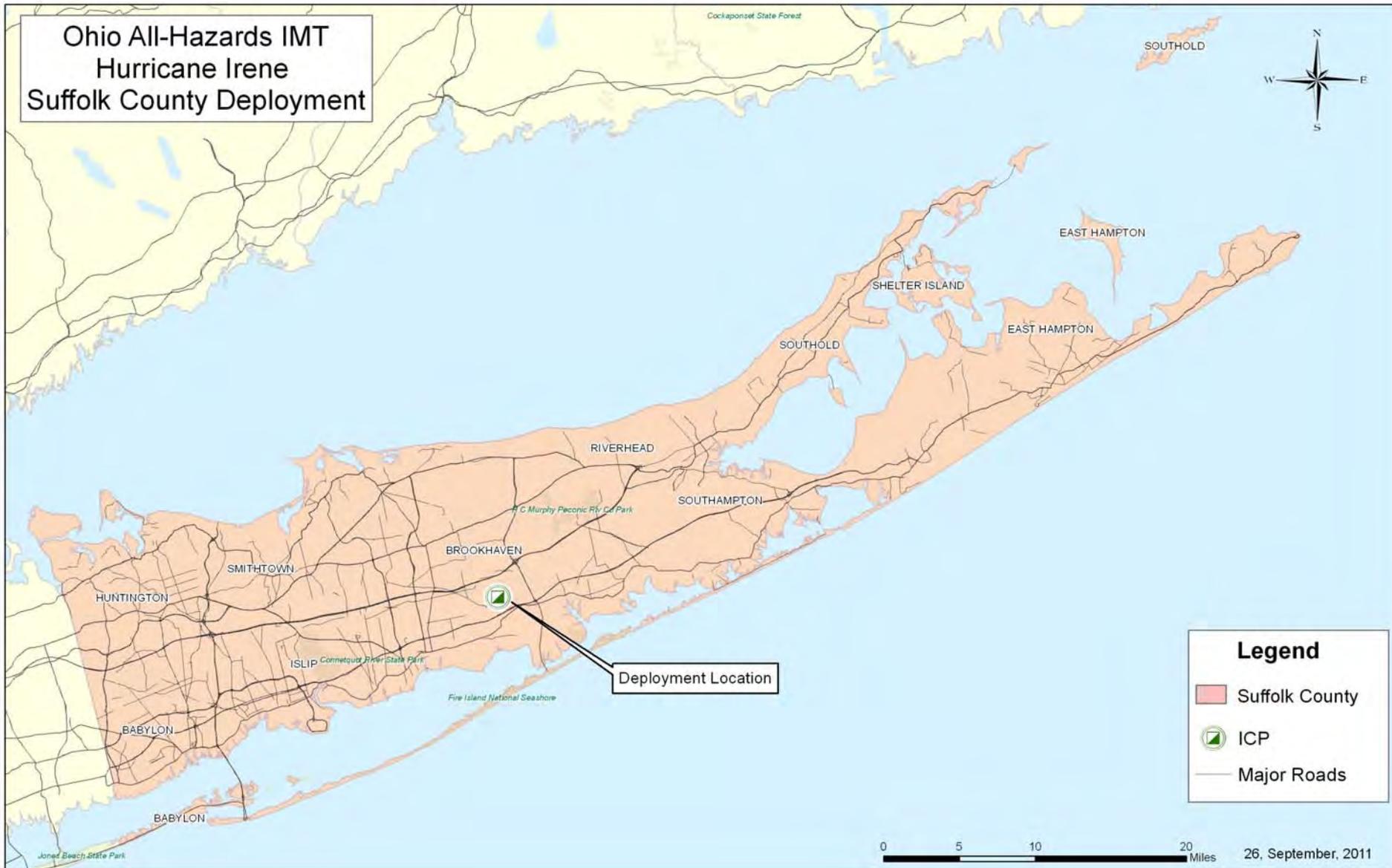
OEPA Water Sampling Tracking Map 10' x 4'



Suffolk County, NY - Hurricane Irene



Suffolk County, NY - Hurricane Irene

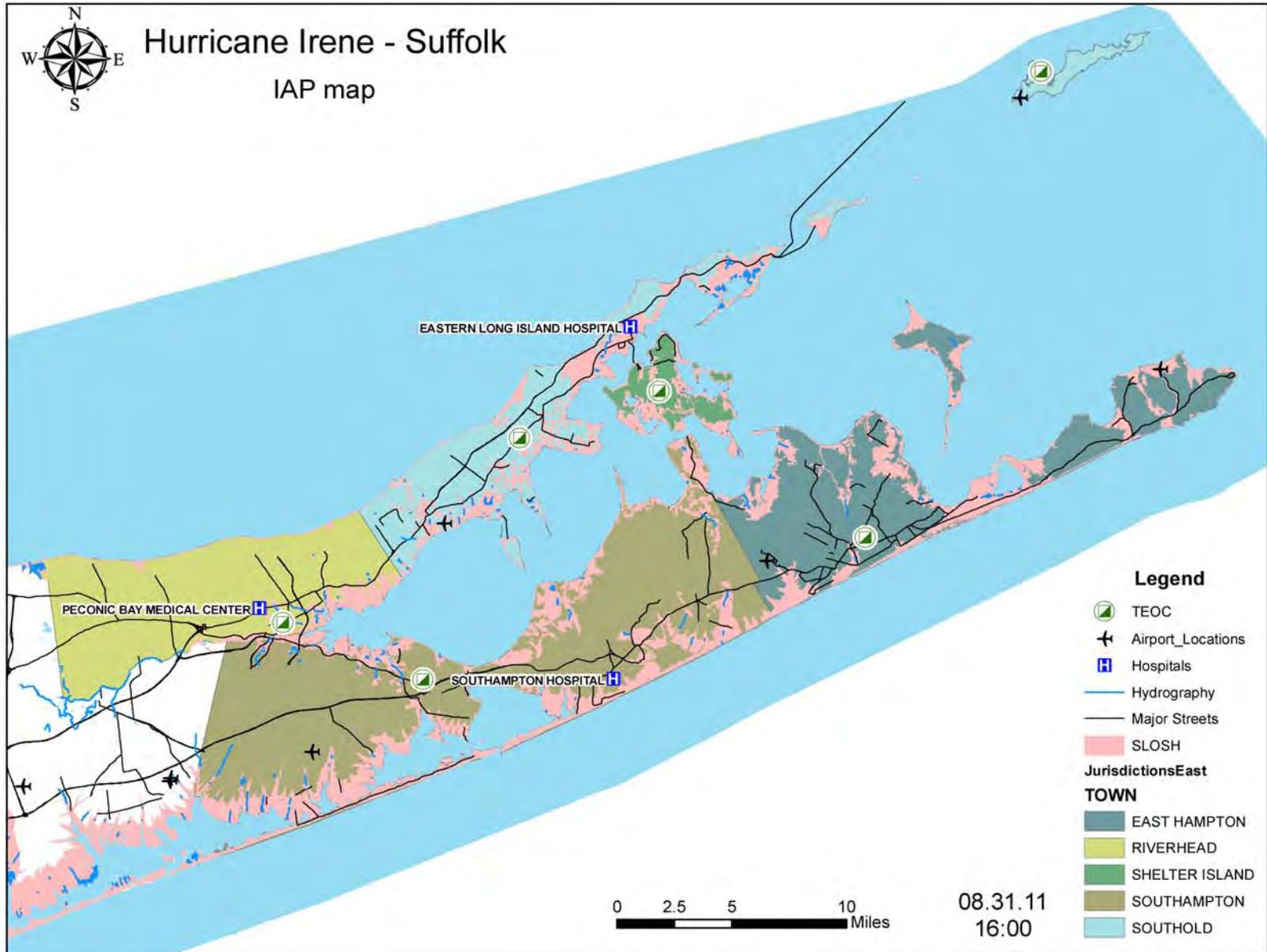


Suffolk County, NY - Hurricane Irene



Acetate Overlay
Items Here

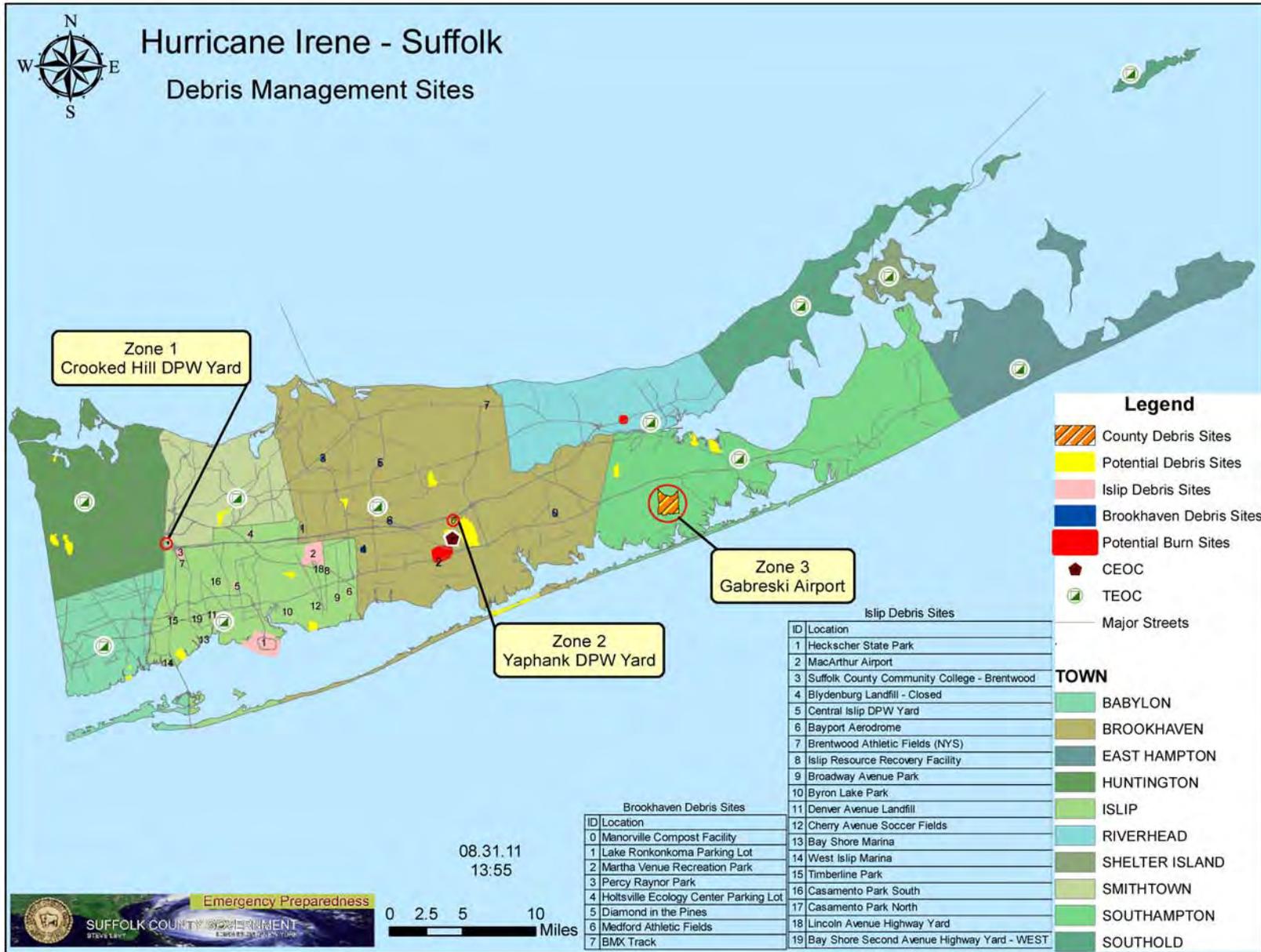
Suffolk County, NY - Hurricane Irene



Suffolk County, NY - Hurricane Irene

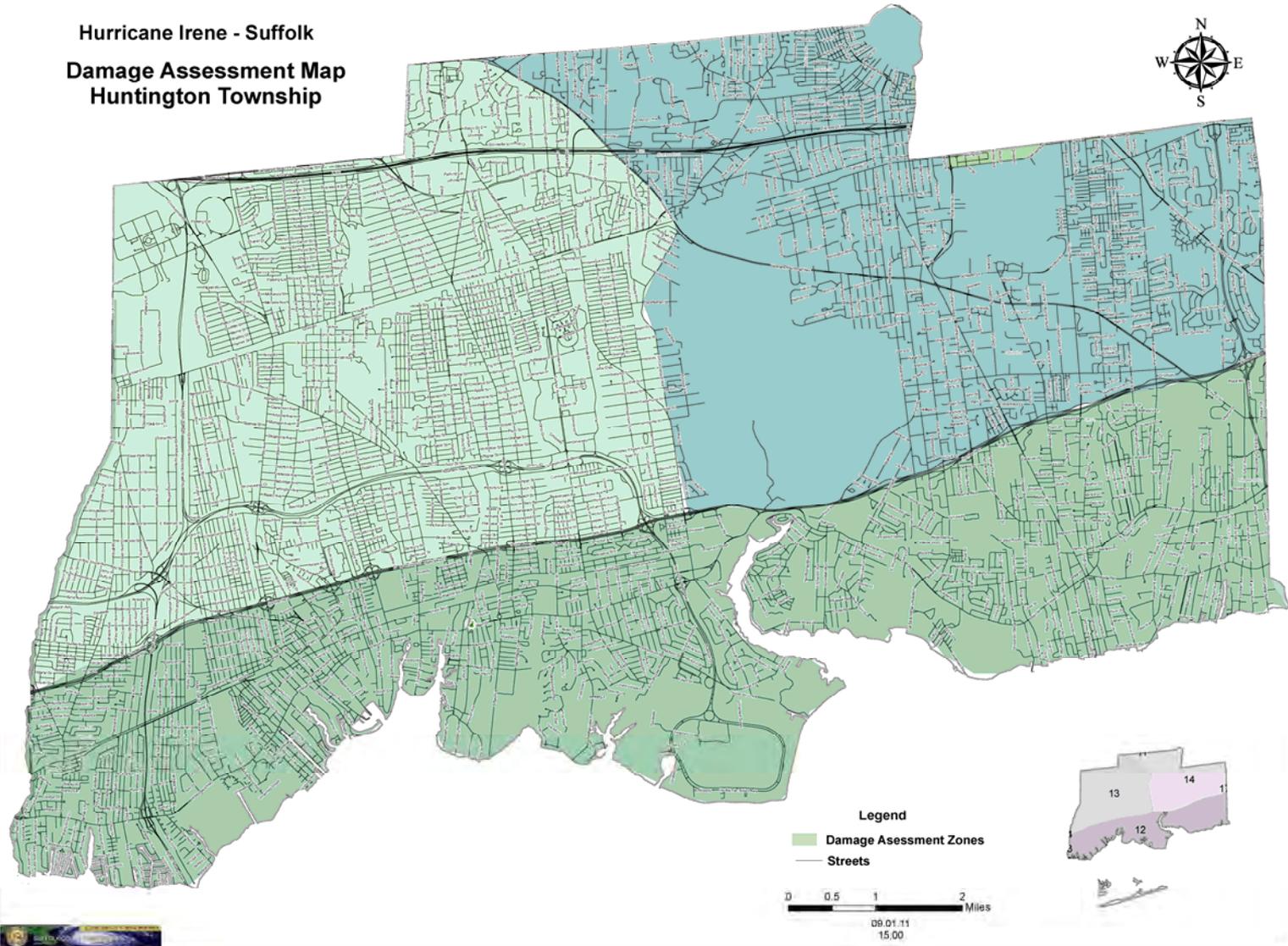


Suffolk County, NY - Hurricane Irene

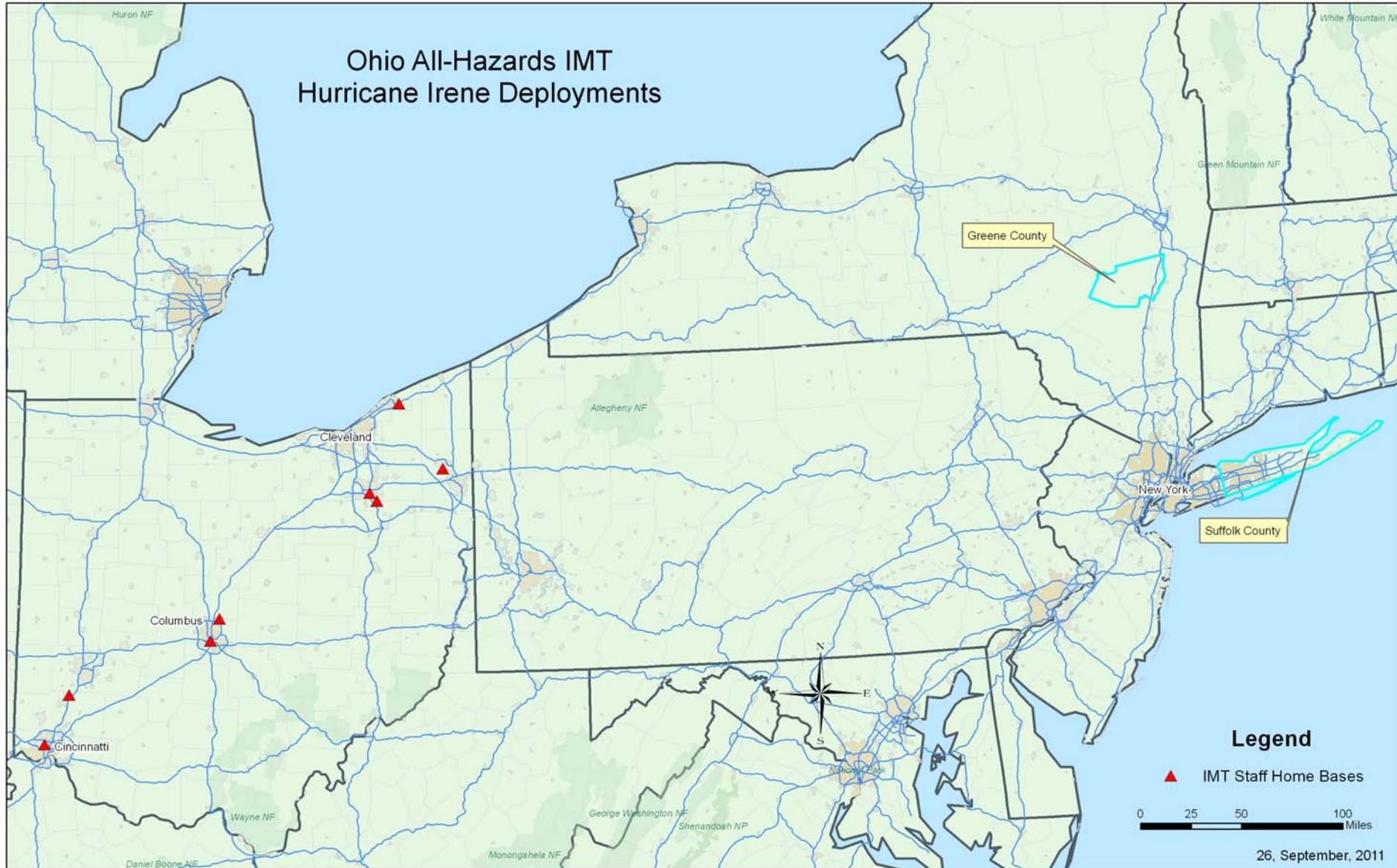


Suffolk County, NY - Hurricane Irene

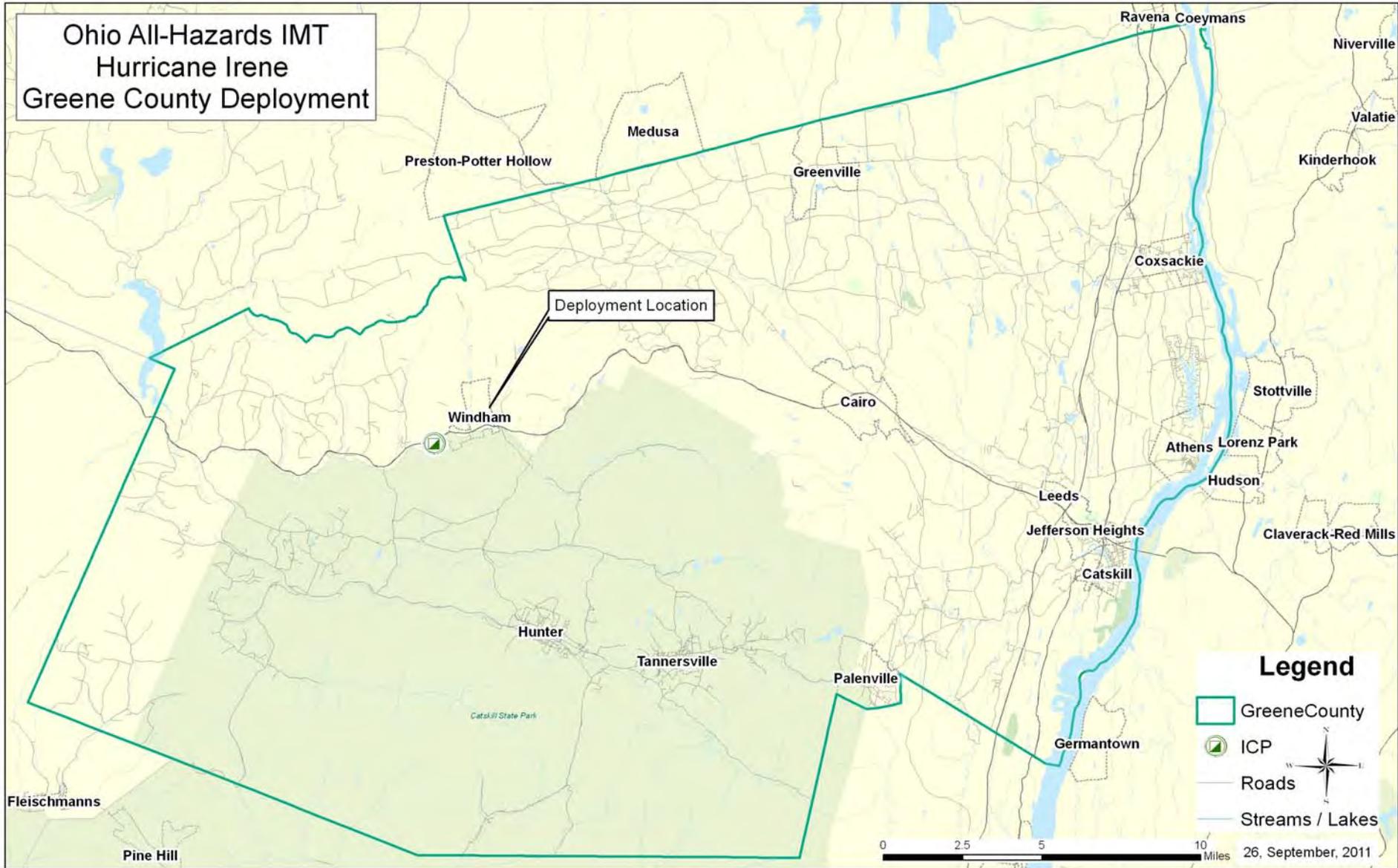
Hurricane Irene - Suffolk Damage Assessment Map Huntington Township



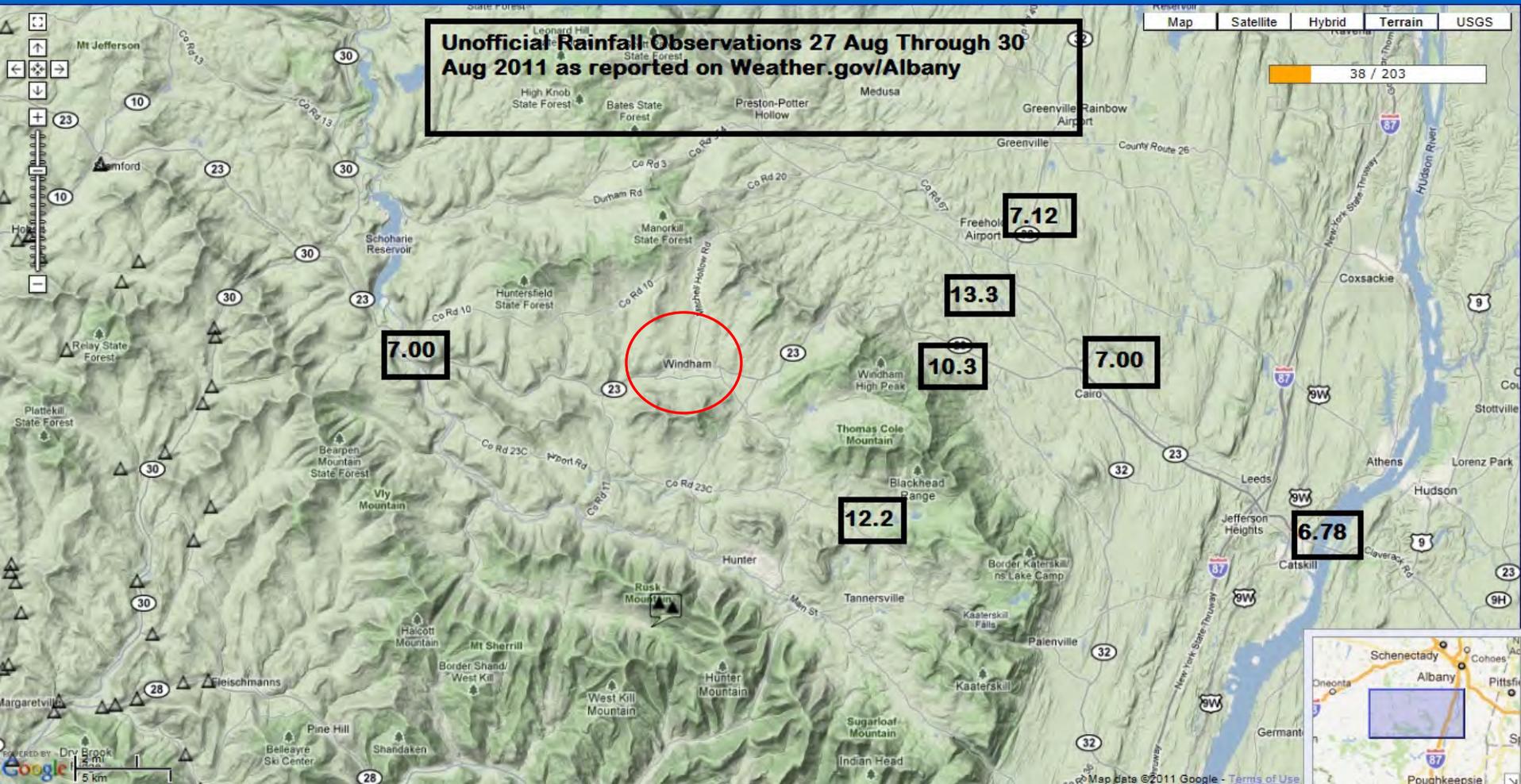
Suffolk County, NY - Hurricane Irene



Windham, NY - Hurricane Irene

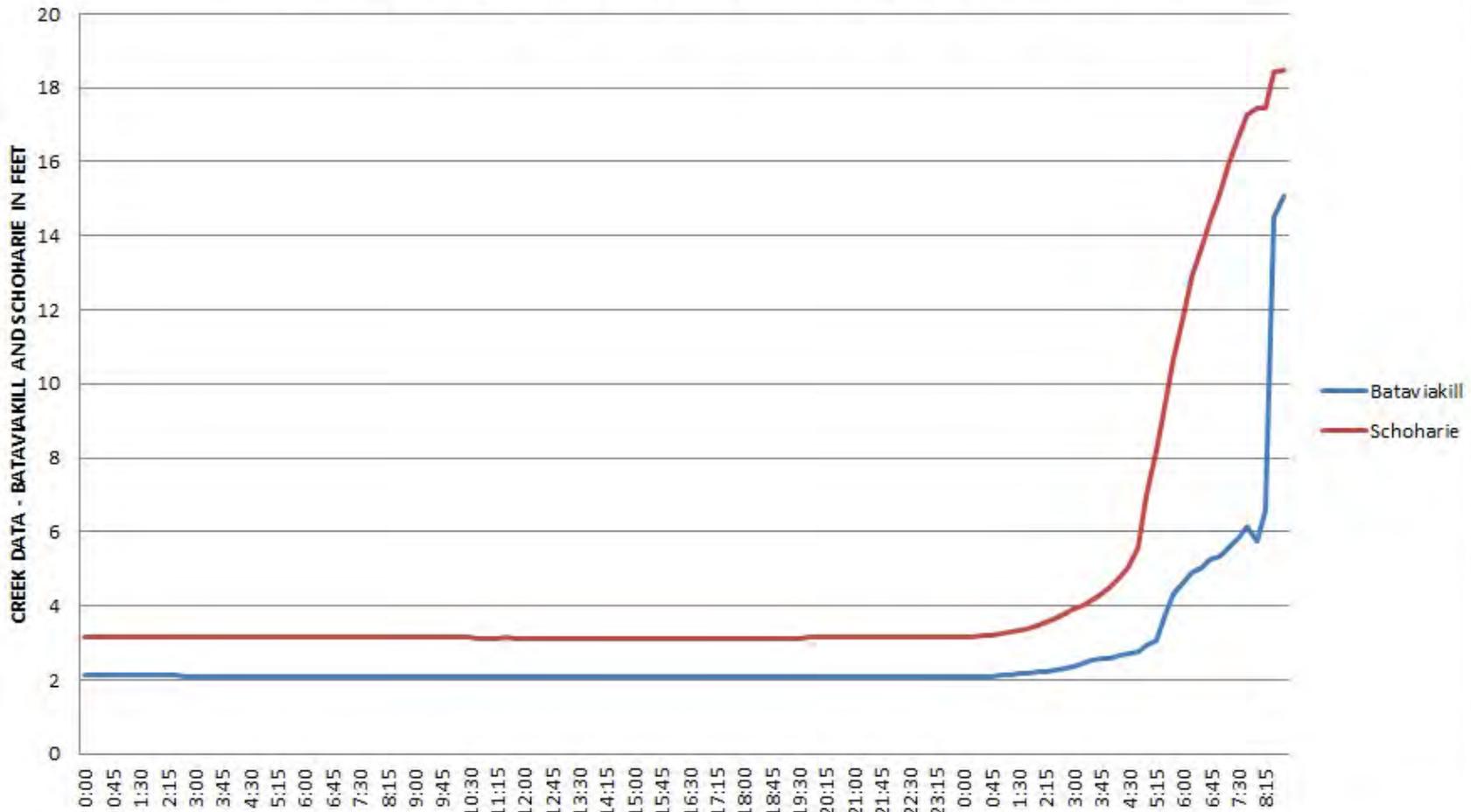


Windham, NY - Hurricane Irene



Windham, NY - Hurricane Irene

Bataviakill and Schoharie Creeks 8/27 to 8/28/2011
Creek Gauges Knocked Off Line at 8/28/2011 at 0945



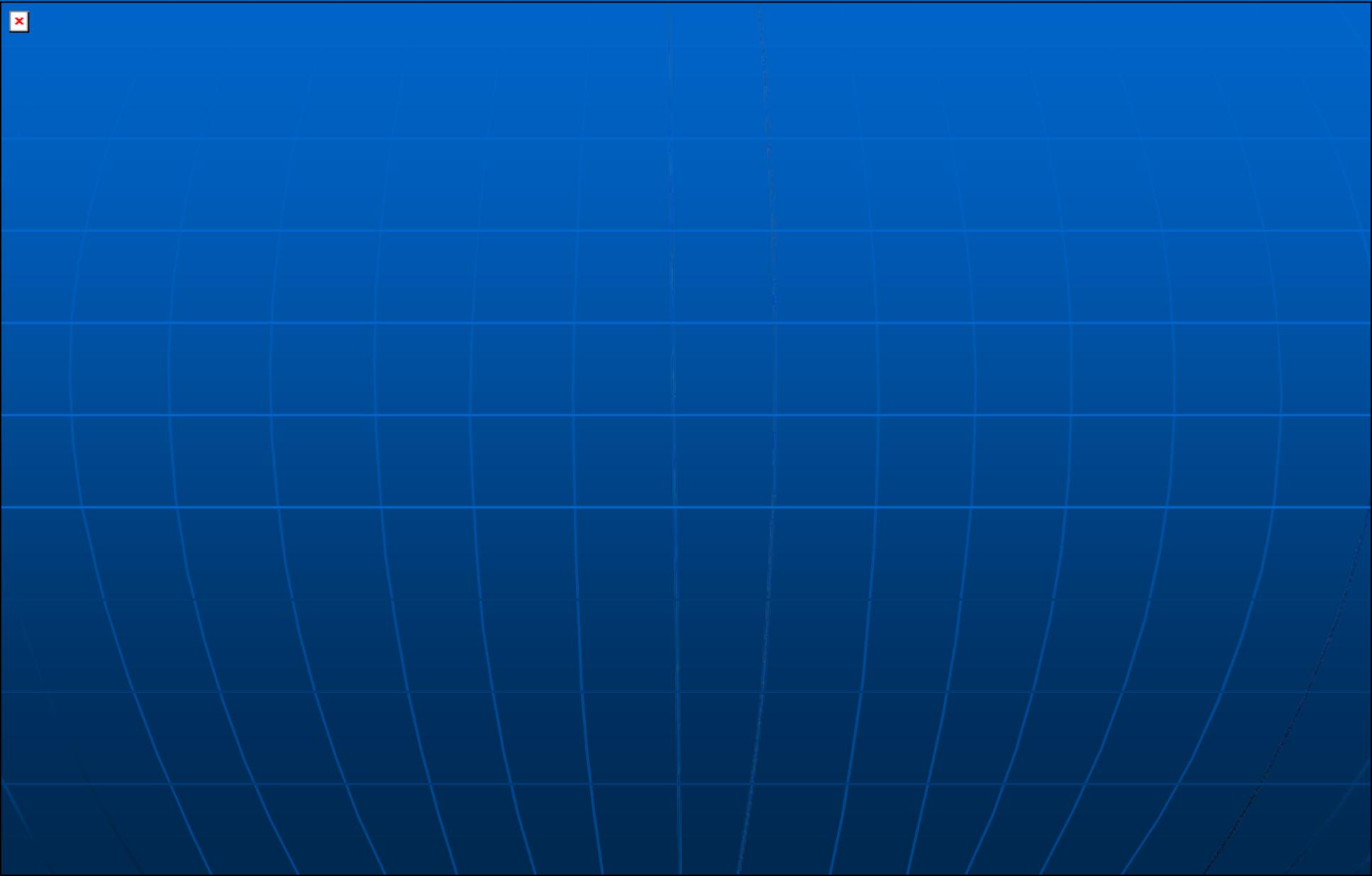
Windham, NY - Hurricane Irene



Windham, NY - Hurricane Irene



Windham, NY - Hurricane Irene

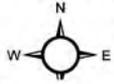


Windham, NY - Hurricane Irene



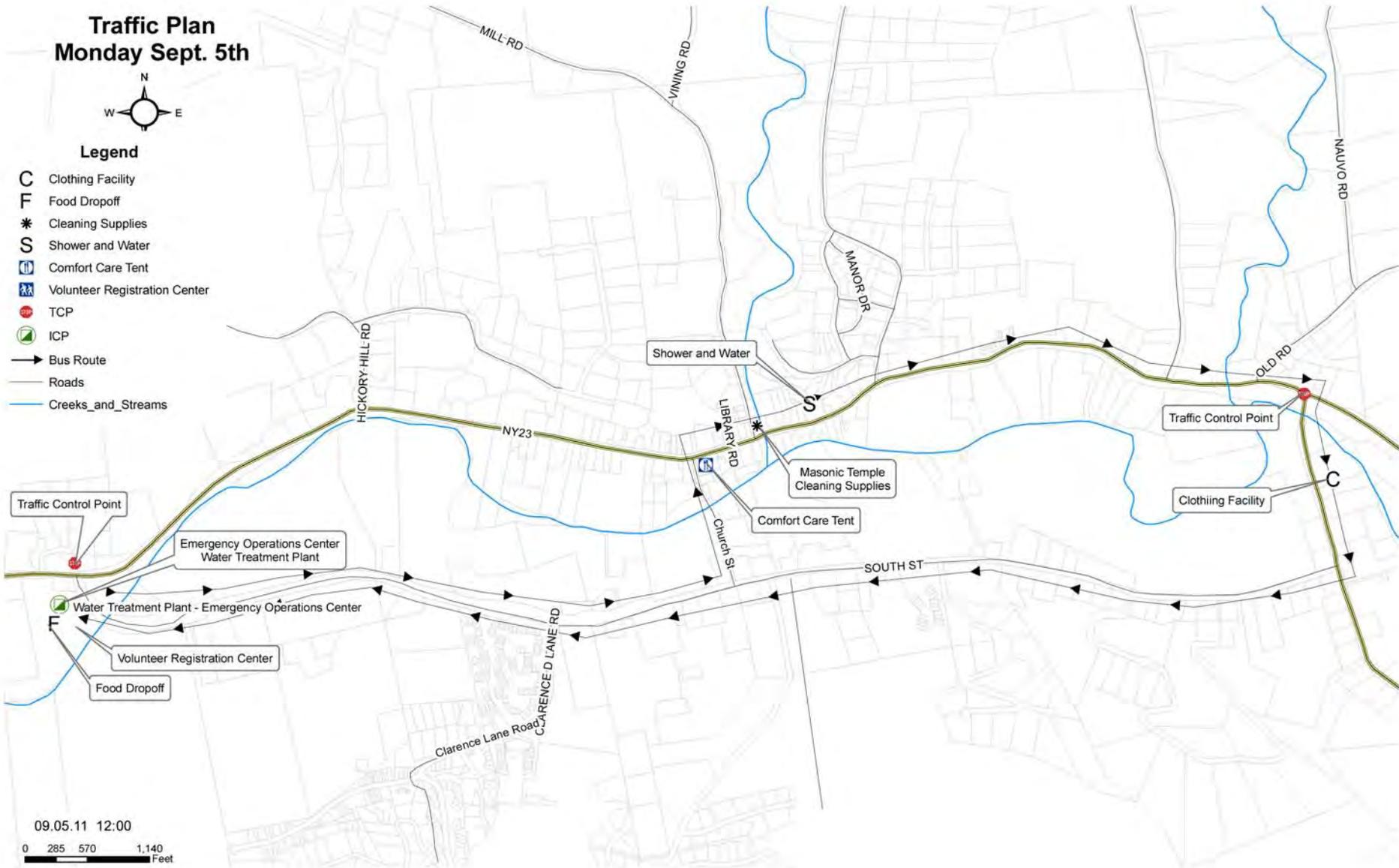
Windham, NY - Hurricane Irene

Traffic Plan Monday Sept. 5th



Legend

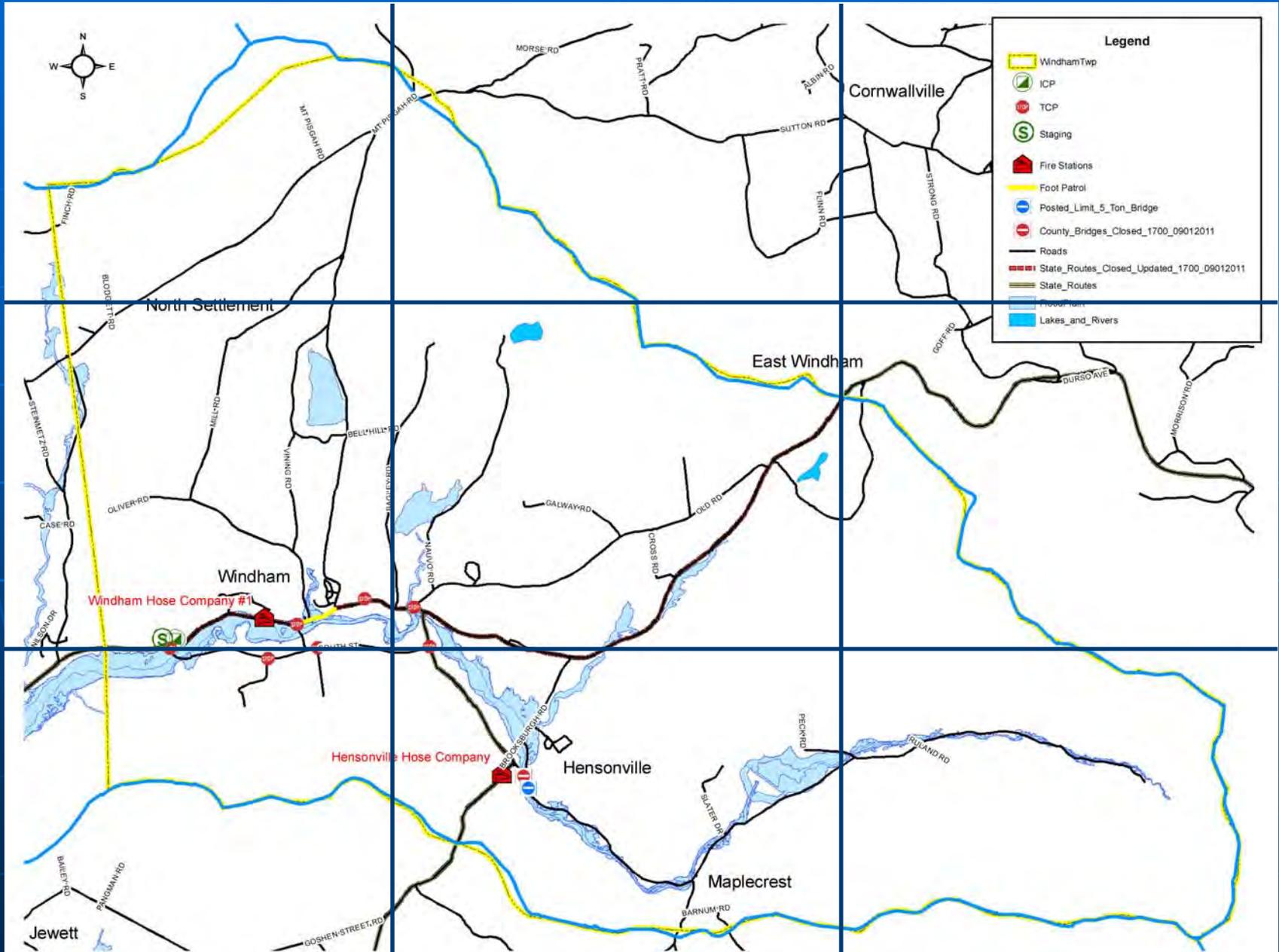
- C Clothing Facility
- F Food Dropoff
- * Cleaning Supplies
- S Shower and Water
- ☒ Comfort Care Tent
- 👤 Volunteer Registration Center
- 🚚 TCP
- 🌿 ICP
- ➔ Bus Route
- Roads
- Creeks_and_Streams



09.05.11 12:00

0 285 570 1,140 Feet

Windham, NY - Hurricane Irene



Hurricane Irene

Data Sources

HDDS

The screenshot displays the Hazards Data Distribution System (HDDS) website. The browser window title is "Hazards Data Distribution System (HDDS) - Windows Internet Explorer". The address bar shows the URL "http://hdds.usgs.gov/hdds2/". The page header features the USGS logo with the tagline "science for a changing world" and navigation links for "USGS Home", "Contact USGS", and "Search USGS".

The main content area is titled "Hazards Data Distribution System (HDDS)" and includes a search interface. The "Enter Search Criteria" section has the following fields:

- Event:** Not specified (dropdown menu)
- Selected Events:** 201108_Hurricane_Irene (input field with a clear button)
- Include baseline data?:**
- Include ad-hoc data?:**
- US State:** Not specified (dropdown menu)
- From:** (calendar icon)
- To:** (calendar icon)
- Geographic Boundary:** (input field with "Show on map" button)

The "Date Range" section shows "Results per page" set to 50, with "Clear Form" and "Search" buttons. The "Geographic Boundary" section includes "Dec" and "D°M'S" radio buttons. The map on the right shows the Eastern United States with a green shaded area indicating the hurricane's path. The map includes navigation controls like a compass and a "Map" button. The footer contains links for "Accessibility", "FOIA", "Privacy", "Policies and Notices", and "Google Maps API Disclaimer". It also includes the "U.S. Department of the Interior | U.S. Geological Survey" logo and the "USA.gov" logo.



EMERGENCY MANAGEMENT AGENCY

LAKE COUNTY, OHIO

Larry Greene, EMA Director



Geospatial Tools and the Flood of 2006

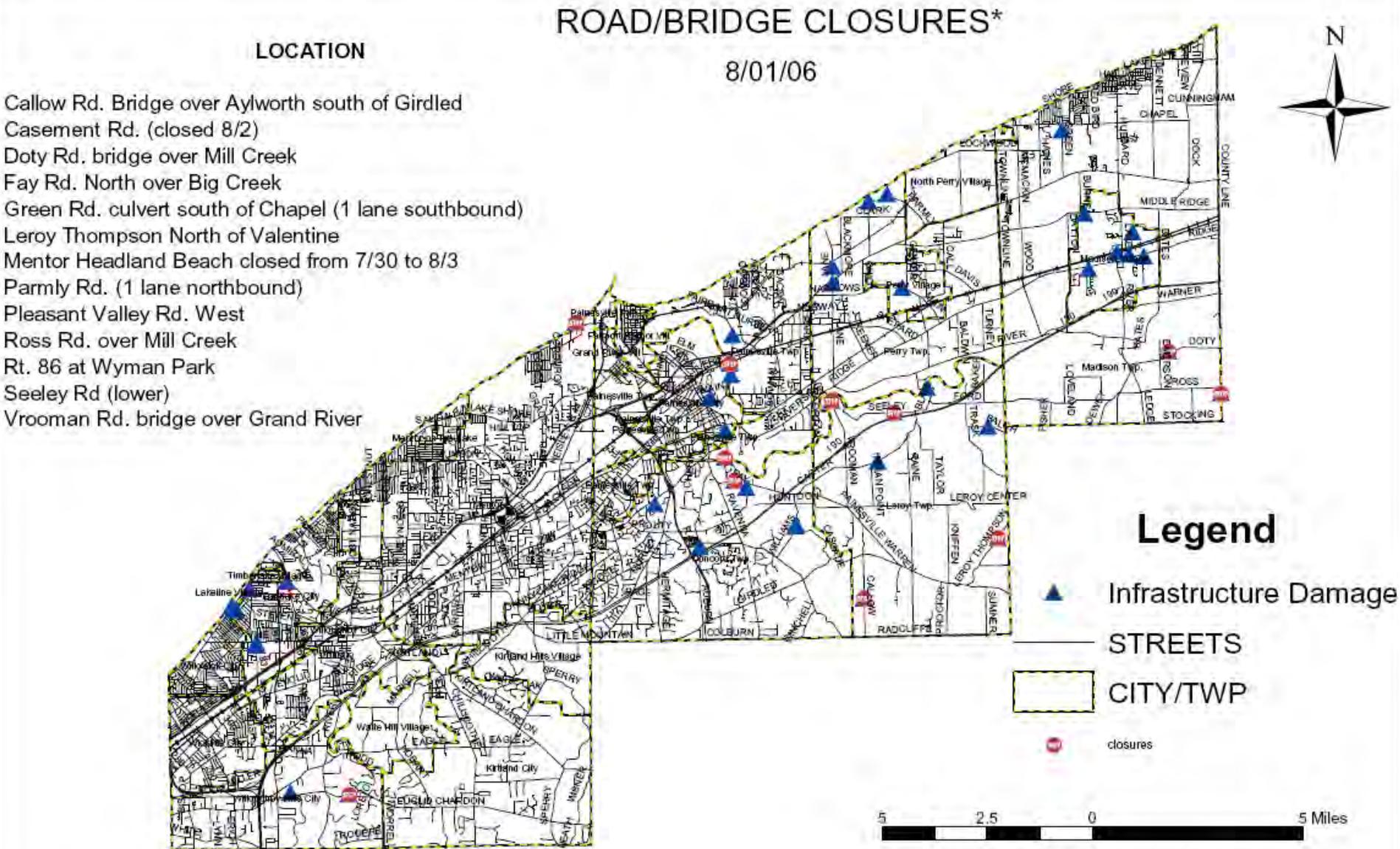


The Flood of 2006

Lake County, Ohio

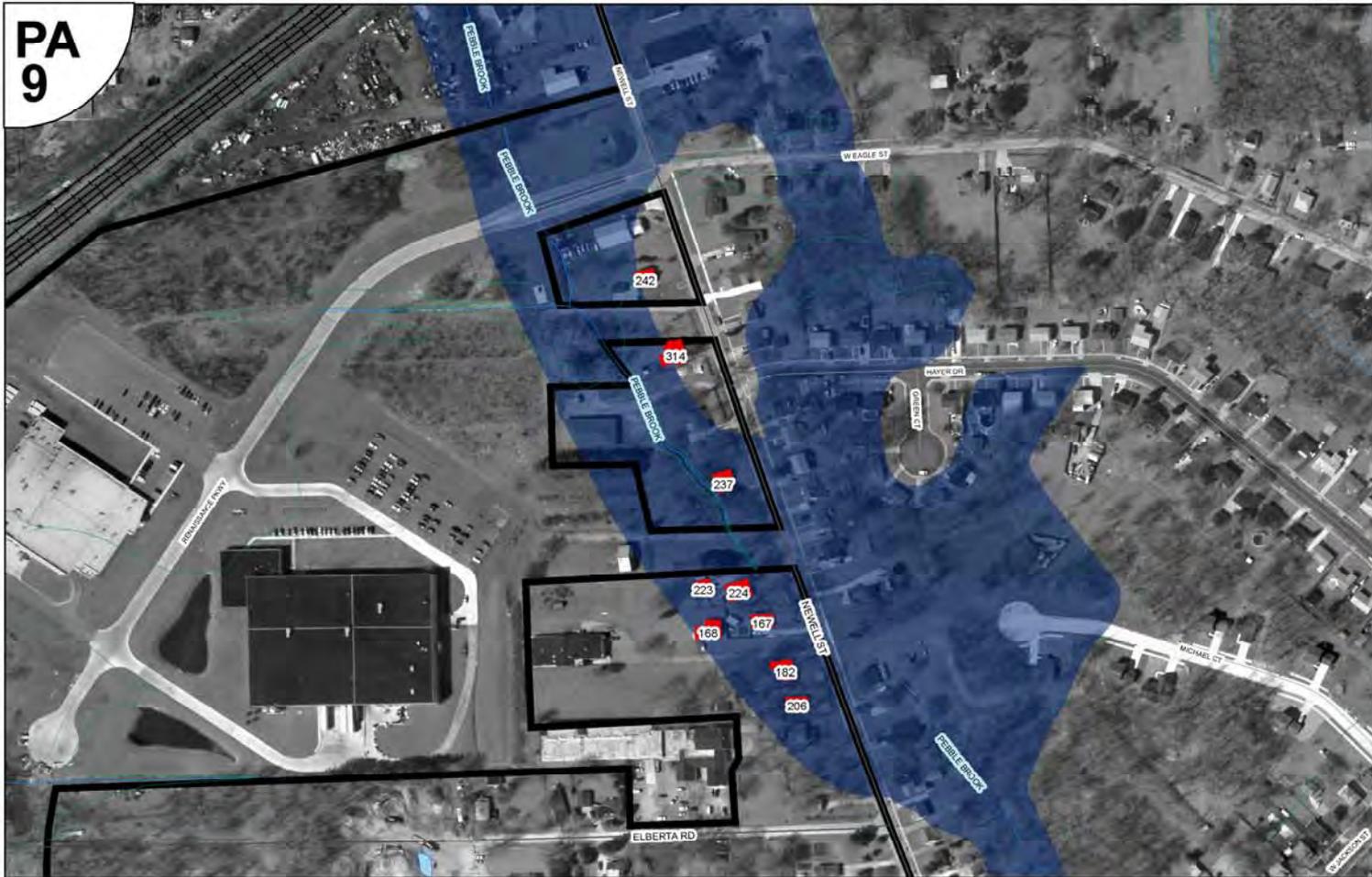


These maps gave Dispatchers the ability to re-route emergency traffic despite many road closures



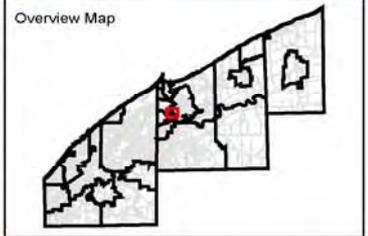
* This is not a complete list

Floodplain houses - FEMA maps with needed structure info.



LAKE COUNTY FLOOD DAMAGE STRUCTURE INVENTORY

PRE-1981 HOUSES WITHIN 100 YEAR FLOODPLAIN



LEGEND

- Pre-1981 Structures (Current 100YR Floodplain)
- Railroads
- 20' Contours
- Interstate Highway
- Divided Highway
- US Highway
- State Highway
- County Road
- Township Road
- City/Village Road
- Private Drive
- Paper Street
- Streams
- Jurisdiction Boundary
- Lakes
- 100 Year Flood Zone

PROPERTY LISTING

ID	PIN	OWNER	OWNER ADDRESS	CLASS	PROP. ADDRESS	JURIS	YR. BUILT	EXT. TYPE	BSMT. TYPE	VALUE
167	11B061B000140	TUikka DAVID A	261 NEWELL ST	511	261 NEWELL ST	PA	1923	J	4	\$72,070.00
168	11B061B000150	LATCH STEVE	259 NEWELL ST	511	259 NEWELL ST	PA	1959	K	4	\$87,560.00
182	11B061B000050	GUTHLEBEN JOEL H	247 NEWELL ST	511	247 NEWELL ST	PA	1920	J	3	\$79,270.00
206	11B061B000040	SMEBY PATRICK C	241 NEWELL ST	511	241 NEWELL ST	PA	1920	I	3	\$50,470.00
223	11B061B000010	SNYDER STEVEN C JR	273 NEWELL ST	511	273 NEWELL ST	PA	1900	J	3	\$72,660.00
224	11B061B000010	SNYDER STEVEN C JR	273 NEWELL ST	511	273 NEWELL ST	PA	1900	J	3	\$72,660.00
237	11B061C000050	SABO EDWARD A TR	617 TAMiami TR NORTH #14	511	303 NEWELL ST	PA	1928	I	4	\$44,000.00
242	11B061C000010	MC GEE DOROTHY L	355 NEWELL ST	511	355 NEWELL ST	PA	1953	J	4	\$72,460.00

EXT WALL TYPES

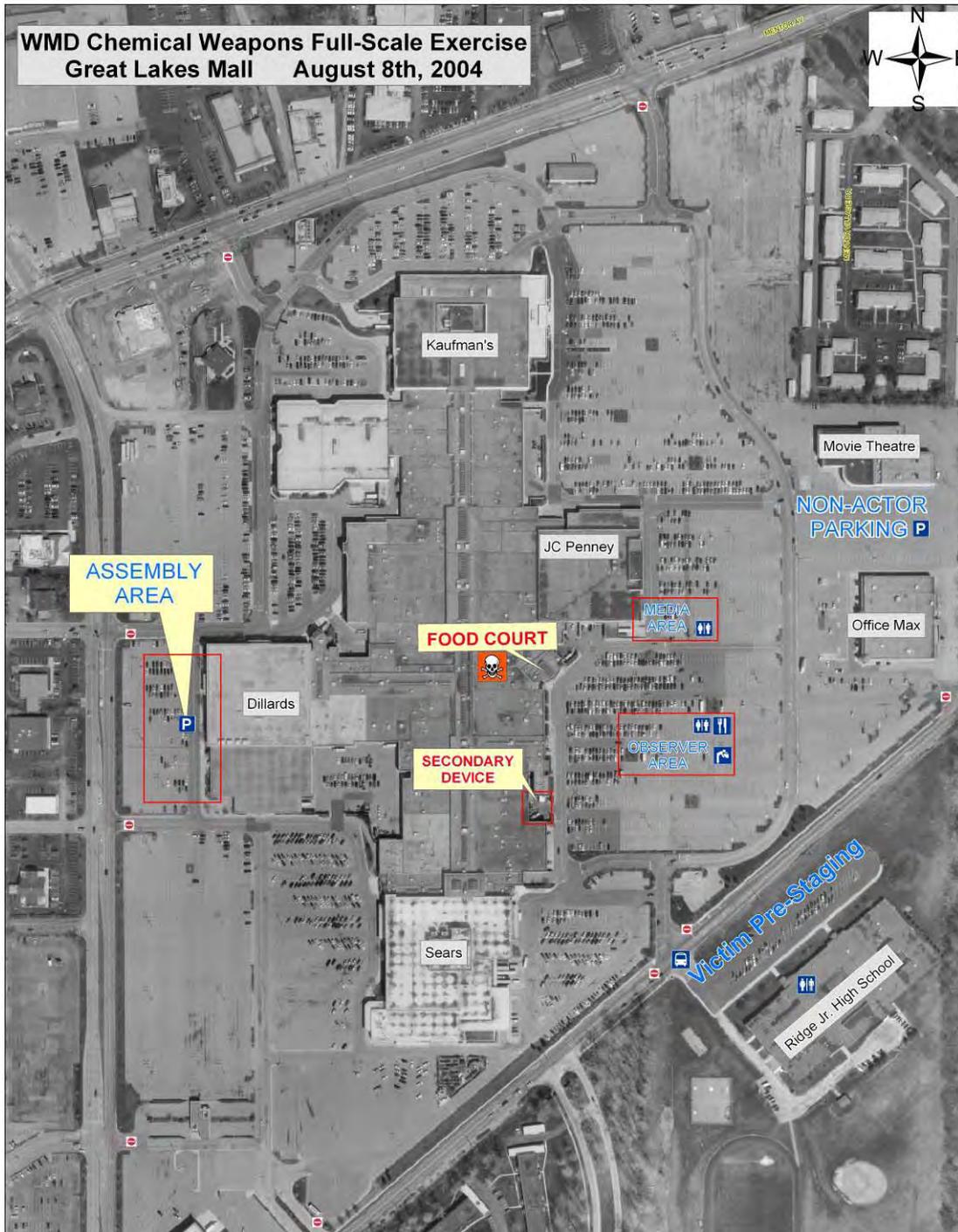
- A - ALUMINUM & STUCCO
- B - MASONRY & STUCCO
- C - WOOD SIDING & STUCCO
- D - WOOD SIDING & ALUMINUM
- E - WOOD SIDING & BRICK
- F - WOOD SIDING & STONE
- G - ALUMINUM & BRICK
- H - ALUMINUM & WOOD SIDING
- I - WOOD SIDING
- J - ALUMINUM/WVLY SIDING
- K - BRICK
- L - STONE
- M - STUCCO
- N - ASBESTOS
- O - BLOCK
- P - BLOCK
- Q - ALUMINUM & STONE
- R - VINYL & BRICK

BSMT TYPES

- 1 - NONE
- 2 - CRAWL
- 3 - PART
- 4 - FULL



**WMD Chemical Weapons Full-Scale Exercise
Great Lakes Mall August 8th, 2004**



**ASSEMBLY
AREA**

FOOD COURT

**MEDIA
AREA**

**NON-ACTOR
PARKING P**

Office Max

Movie Theatre

**SECONDARY
DEVICE**

**OBSERVER
AREA**

Dillard's

Sears

JC Penney

Kaufman's

Victim Pre-Staging

Ridge Jr. High School



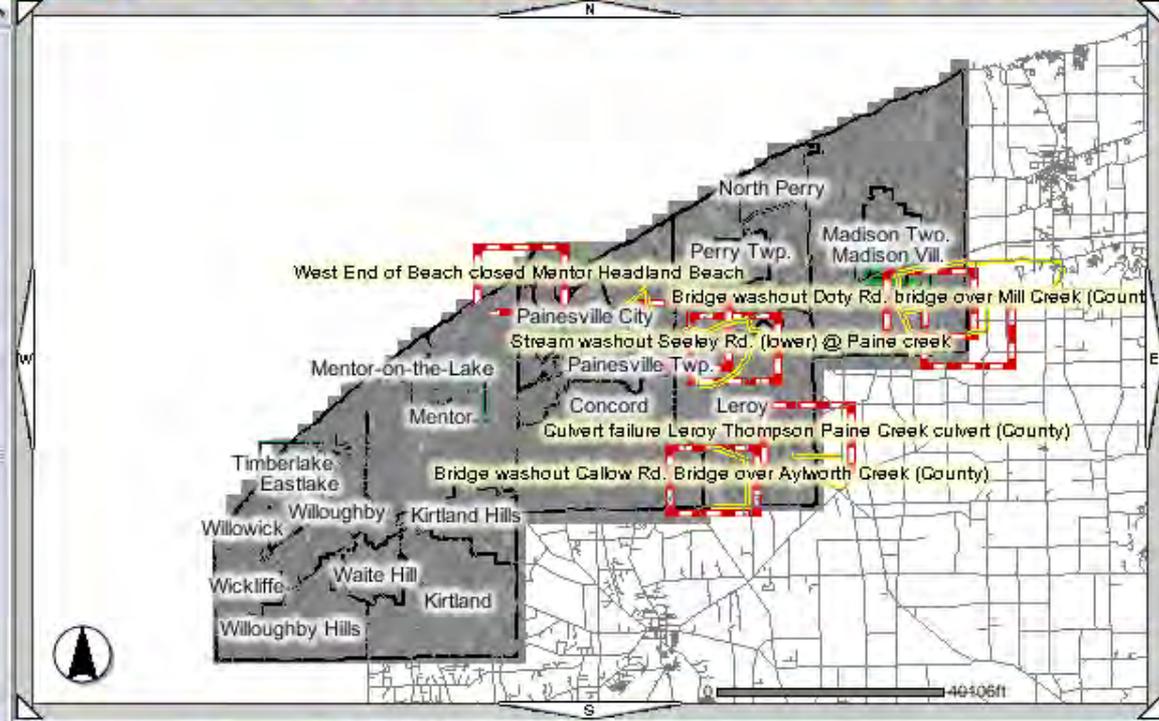


2006 FLOOD INFO



LAYERS PARCEL SEARCH

- Emergency Oper.
 - Road Closures
 - Infrastructure Damage
 - Detours
 - Loan Assistance Centers
 - Flood Rescues
 - Nuclear Emergency Plans
 - Transportation
 - Bridges
 - Centerlines
 - Gauga Roads
 - Ashtabula Roads
 - Pavement Edges
 - Railroads
 - Geodetic Control
 - Elevation
 - Hydrography
 - Streams
 - Lakes
 - USGS Watersheds
 - Cadastral
 - Utilities
 - Governmental
 - Environmental
 - Structures
 - Aerial Photography
- Refresh Map**
- Auto Refresh



2006 Flood Information

Links

- [Lake County Home Page](#)
- [Lake County Health District](#)
- [Press Release](#)
- [Flood Information](#)
- [Lake County Engineer](#)
- [Road Closings](#)
- [Lake County EMA](#)
- [Job & Family Services](#)
- Phone: (440) 350-4000

[Red Cross](#)

Map Resources

[Infrastructure Damage Key](#)

Use the Hyperlink tool to view pictures of Infrastructure Damage (make sure layer is active & you have Adobe Acrobat

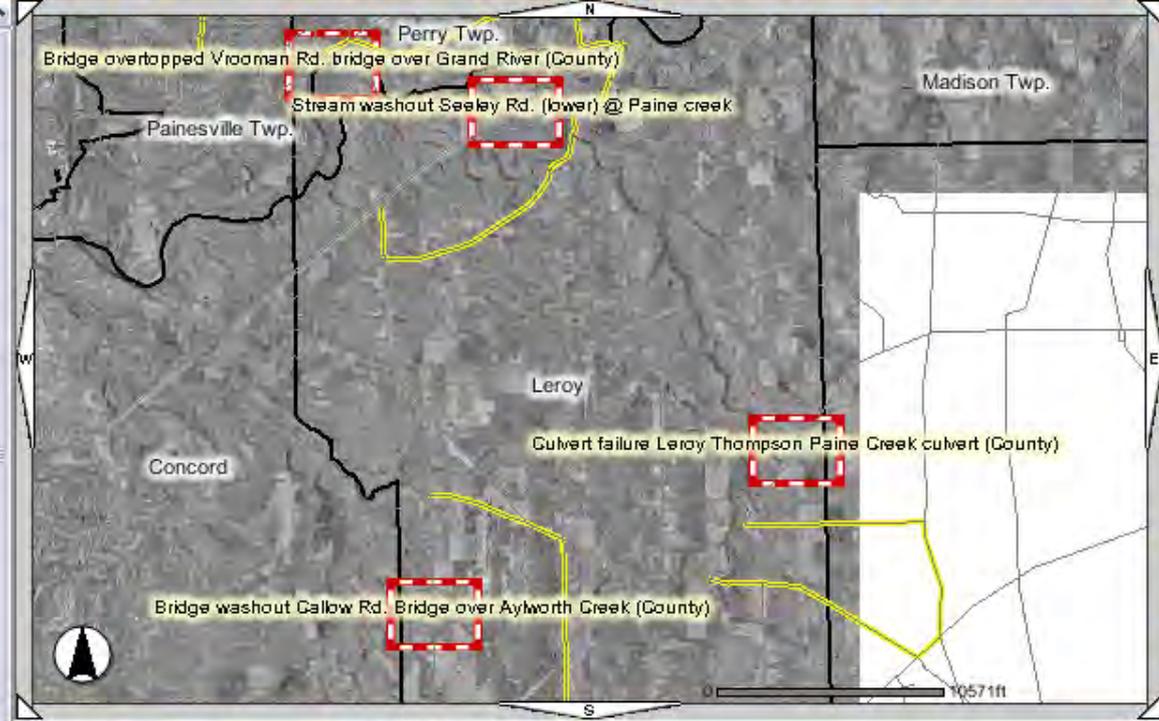
ZOOM IN

SCANNED DOCUMENT VIEWERS
PLATS TAX MAPS

Zoom to Scale - 1 inch = 31820 ft. **Go**

LAKENAVIGATOR - LAKE COUNTY, OH
2006 FLOOD INFO

- LAYERS** PARCEL SEARCH
- Emergency Oper.
 - Road Closures
 - Infrastructure Damage
 - Detours
 - Loan Assistance Centers
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2006 Flood Information

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[Red Cross](#)

Map Resources

- [Infrastructure Damage Key](#)

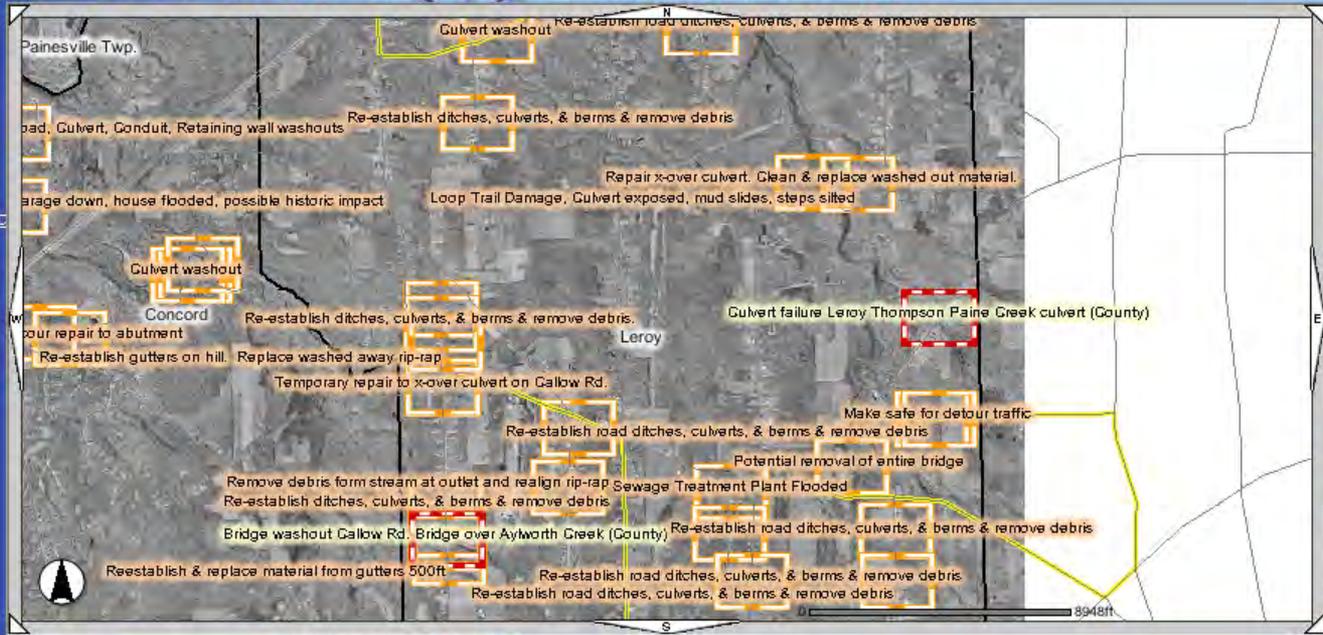
Use the Hyperlink tool to view pictures of Infrastructure Damage (make sure layer is active & you have Adobe Acrobat

ZOOM IN SCANNED DOCUMENT VIEWERS PLATS TAX MAPS

Zoom to Scale - 1 inch = 8387 ft. Go

LAKENAVIGATOR - LAKE COUNTY, OH
2006 FLOOD INFO

- LAYERS** **PARCEL SEARCH**
- Emergency Oper.
 - Road Closures
 - Infrastructure Damage
 - Detours
 - Loan Assistance Centers
 - Flood Rescues
 - Nuclear Emergency Planning
 - Transportation
 - Bridges
 - Centerlines
 - Geauga Roads
 - Ashtabula Roads
 - Pavement Edges
 - Railroads
 - Geodetic Control
 - Elevation
 - Hydrography
 - Streams
 - Lakes
 - USGS Watersheds
 - Cadastral
 - Utilities
 - Governmental
 - Environmental
 - Structures
 - Aerial Photography



2006 Flood Information

Links

- [Lake County Home Page](#)
- [Lake County Health District](#)
- [Press Release](#)
- [Flood Information](#)
- [Lake County Engineer](#)
- [Road Closings](#)
- [Lake County EMA](#)
- [Job & Family Services](#)
- Phone: (440) 350-4000
- [Red Cross](#)

Map Resources

[Infrastructure Damage Key](#)

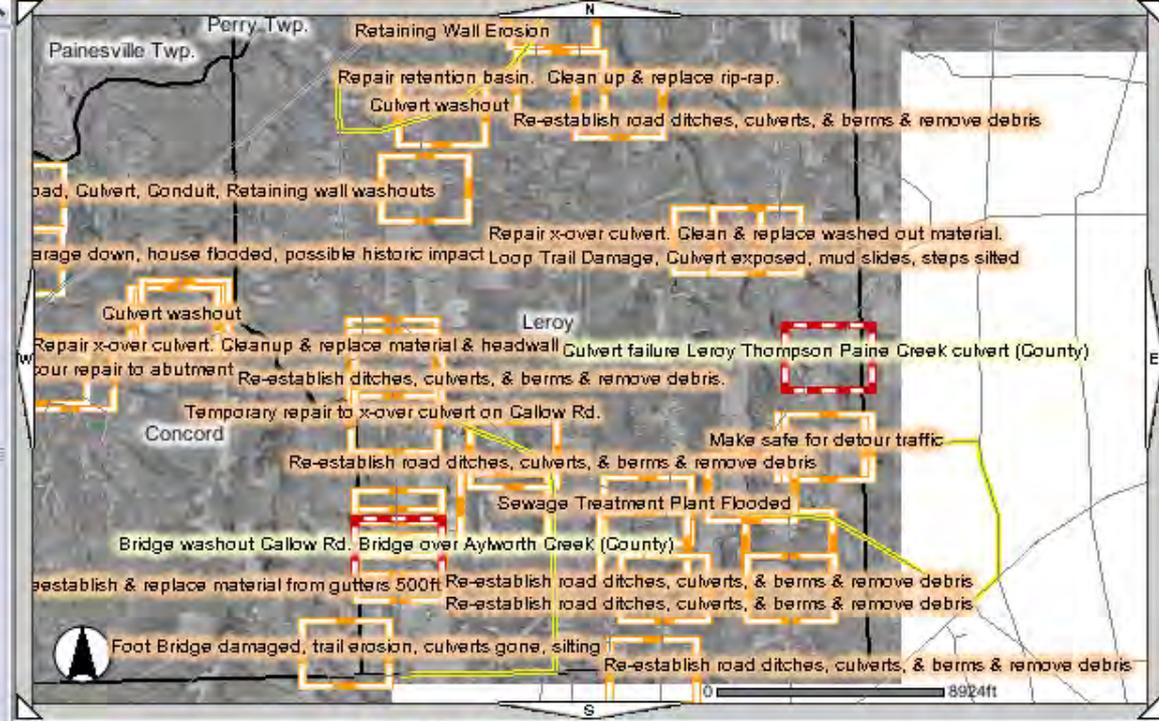
Use the Hyperlink tool to view pictures of Infrastructure Damage (make sure layer is active & you have Adobe Acrobat Reader)

ZOOM IN **SCANNED DOCUMENT VIEWERS** **PLATS TAX MAPS**

Zoom to Scale - 1 inch = 5396 ft. **Go**

LAKENAVIGATOR - LAKE COUNTY, OH
2006 FLOOD INFO
Map navigation icons: Home, Back, Forward, Search, Favorites, Print, Refresh, etc.

- LAYERS** PARCEL SEARCH
- Emergency Oper.
 - Road Closures
 - Infrastructure Damage
 - Detours
 - Loan Assistance Centers
 - Flood Rescues
 - Nuclear Emergency Plan
 - Transportation
 - Bridges
 - Centerlines
 - Geauga Roads
 - Ashtabula Roads
 - Pavement Edges
 - Railroads
 - Geodetic Control
 - Elevation
 - Hydrography
 - Streams
 - Lakes
 - USGS Watersheds
 - Cadastral
 - Utilities
 - Governmental
 - Environmental
 - Structures
 - Aerial Photography
- Refresh Map**
- Auto Refresh



Infrastructure Damage Key

- Fully operational/open
- Operational, but filled to capacity or otherwise closed
- Operational, but partially damaged or partially incapacitated
- Destroyed or Totally incapacitated

[Back to Flood Info](#)

Disclaimer
Every effort is made to update the data on this site but Lake County makes no guarantees and assumes no legal responsibility for the information contained on these pages.

HYPERLINK SCANNED DOCUMENT VIEWERS PLATS TAX MAPS
Zoom to Scale - 1 inch = 7080 ft. ft.

Infrastructure Damage
No hyperlink defined for at click location

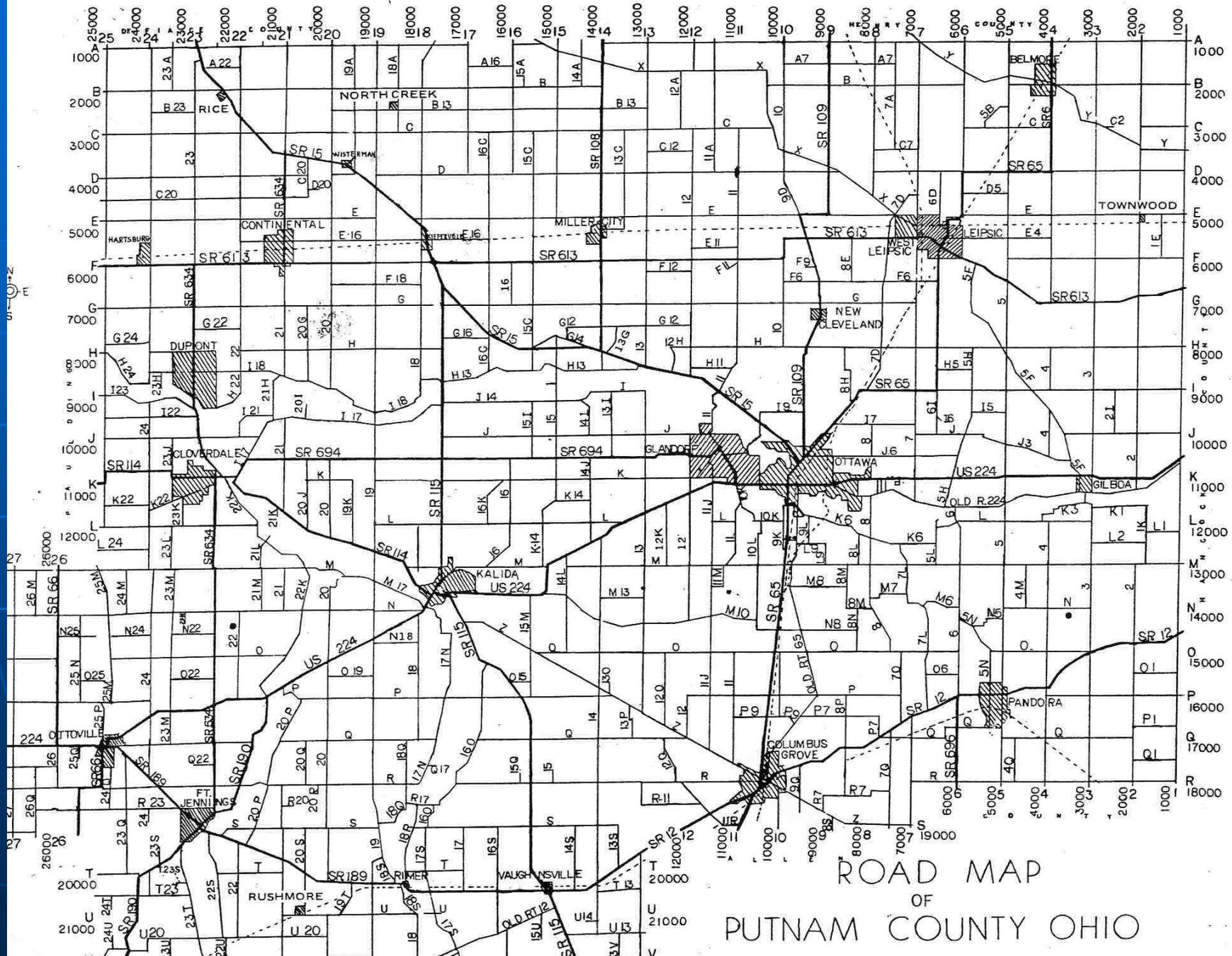
OTTAWA FLOOD 07



Incident Action Plan

August 26, 2000 Hrs. - August 27, 0800 Hrs.

Chief Ron Brinkman, Incident Commander



ROAD MAP
OF
PUTNAM COUNTY OHIO

PUTNAM COUNTY REGIONAL

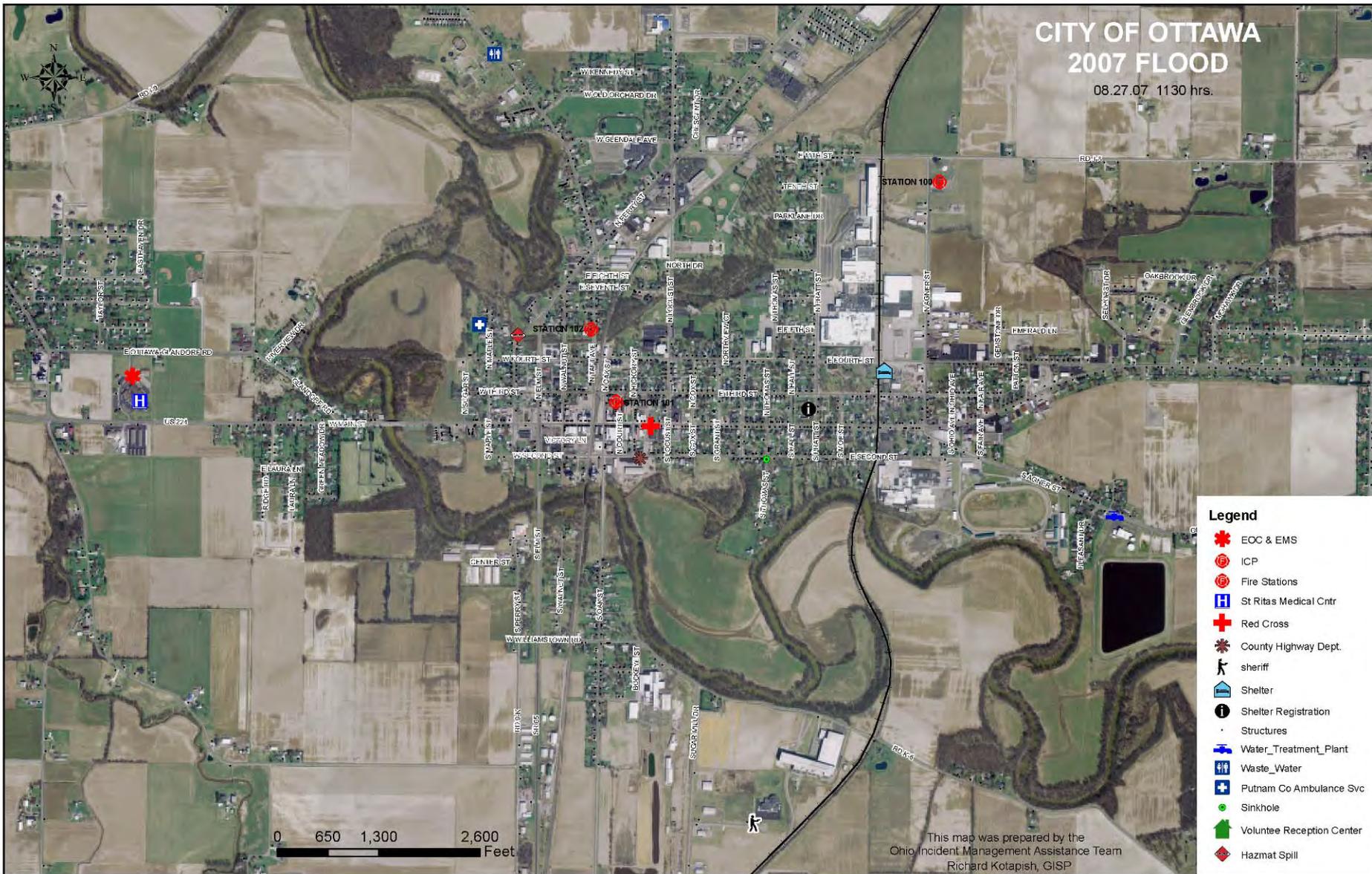
CITY OF OTTAWA 2007 FLOOD

08.26.07 24:00



CITY OF OTTAWA 2007 FLOOD

08.27.07 1130 hrs.

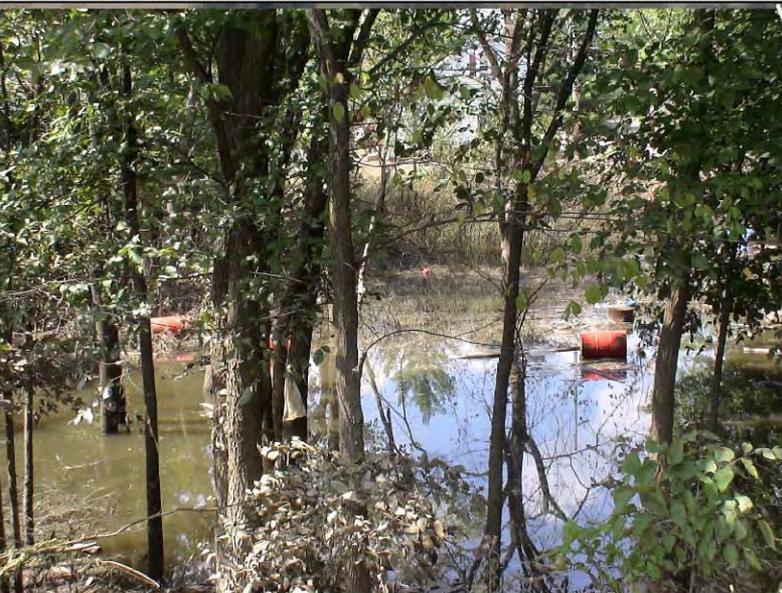


Legend

- EOC & EMS
- ICP
- Fire Stations
- St Rita's Medical Cntr
- Red Cross
- County Highway Dept.
- sheriff
- Shelter
- Shelter Registration
- Structures
- Water Treatment Plant
- Waste Water
- Putnam Co Ambulance Svc
- Volunteer Reception Center
- Hazmat Spill

This map was prepared by the
Ohio Incident Management Assistance Team
Richard Kotapish, GISP

PERRY STREET CULVERT HAZMAT SPILL



This map was prepared by the
Ohio Incident Management Assistance Team
Richard Kotapish, GISP



STATIC WATER SOURCE

EASTLAND

AGNER

PLEASANT

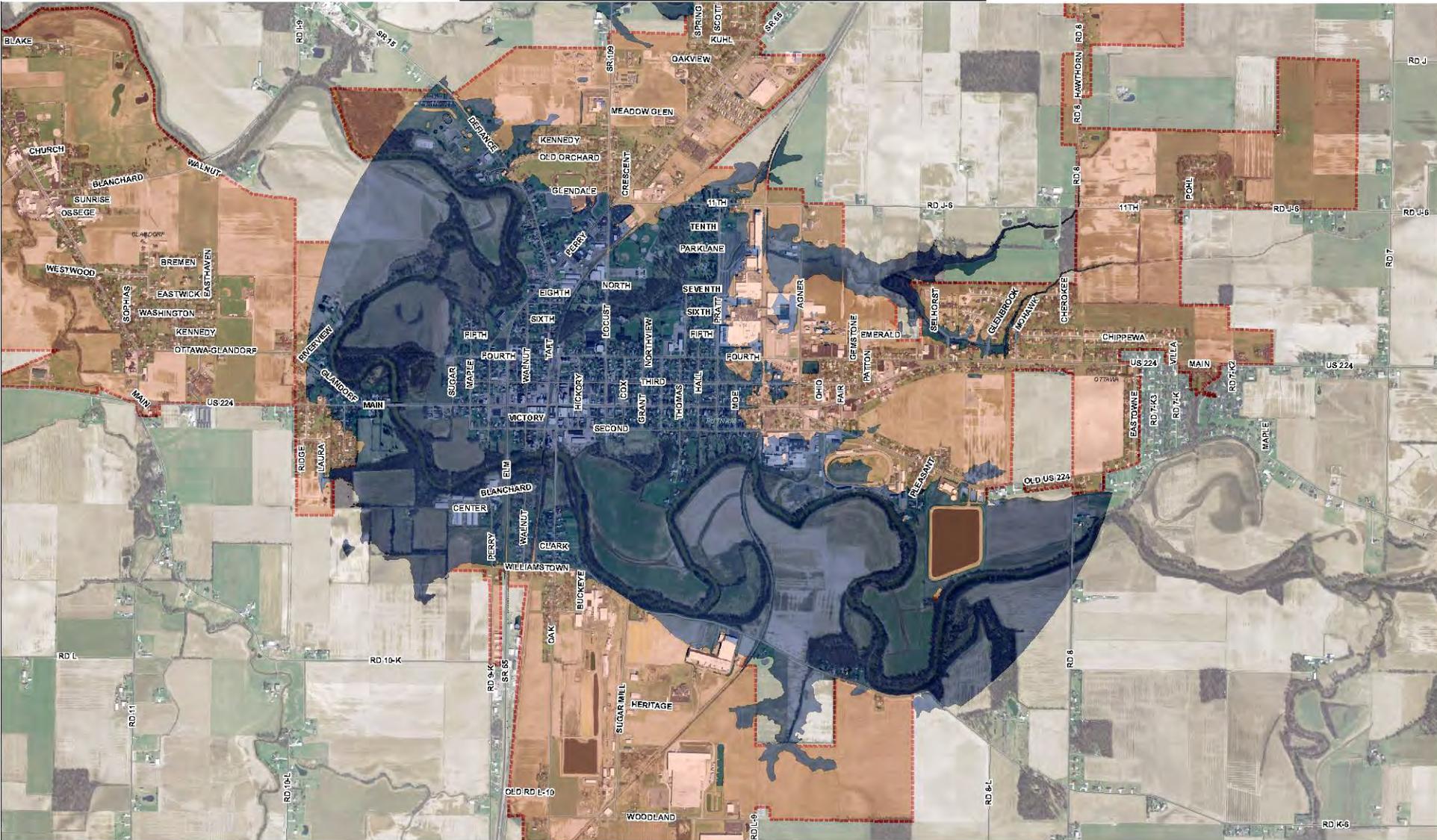
OLDUS 224

0 125 250 500 Feet

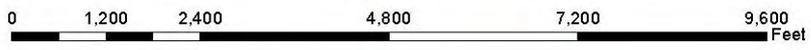


Ottawa, Ohio

Ohio Statewide Imagery Program



Data Source:
 Office of Information Technology
 Ohio Geographically Referenced Information Program
 2006 OSIP Imagery
 2006 OSIP DEM
 2007 LBRs Centerlines
 FEMA
 Flood Plain
 ODNR
 County Boundaries
 ODOT
 Municipal Boundaries



- LBRs Centerlines PUT
- 732' Projected Extent
- County
- City









KATRINA ORGANIZATIONAL CHART

Top Gun
LCDR Thompson
Ens. Jake McMillan

Operations Manager
Talbot Brooks
James Brown

Logistics
Dick Kotapish
James Brown

Data Development
JD Overton
Greg Easson
Heather Milton
Mark Hollingshead

SAR
Kimani
Mathew Cieri

Mapping Distribution
Wade Givens
James Brown
Ed Vigil
Mark Hollingshead
Heather Milton
Molly Reif
Kim Holden
Louis Wasson
Pete Kohn

Tech Support
Craigon Knox
JD Overton

GPS/Forward
Paul McKnight
Bruce Willette
Michelle Alexander
Ray DeLeon
Leeanne Pacatte
Sean Bohac
Ann Hooper
Laura Horton
Hanna Ford
Charles Hill
Wes Burger
Jason Kandrick
Matt Wilson

Establish organizational structure



M.E.M.A. KATRINA MAP REQUEST



Date: 9/ /05

Requesting Agency: _____ Name: _____

Phone: _____ Email: _____

Date/Time needed by: _____ / _____

Description: _____

Area: Statewide Quant. Size E (3'x4') D (2'x3') 11 x 17 8x11

By County Quant. Size E (3'x4') D (2'x3') 11 x 17 8x11

Other _____ Size E (3'x4') D (2'x3') 11 x 17 8x11

Digital format: PDF BMP OTHER: _____

Layers

<u>Health</u>	<u>Thematic</u>	<u>Planimetric</u>	<u>Hazus/Utilities</u>
<input type="checkbox"/> Ice	<input type="checkbox"/> Closed Roads	<input type="checkbox"/> Counties	<input type="checkbox"/> Cell Towers/Buffers
<input type="checkbox"/> Water	<input type="checkbox"/> Population Density	<input type="checkbox"/> Primary Roads	<input type="checkbox"/> Transmission Lines
<input type="checkbox"/> Food	<input type="checkbox"/> Winds	<input type="checkbox"/> Detail roads	<input type="checkbox"/> Power Outages
<input type="checkbox"/> Hospitals	<input type="checkbox"/> Inundation	<input type="checkbox"/> Streams	<input type="checkbox"/> Power Restored
<input type="checkbox"/> MSAT	<input type="checkbox"/>	<input type="checkbox"/> Cities	<input type="checkbox"/> % Power
<input type="checkbox"/> Care Centers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Healthcare	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

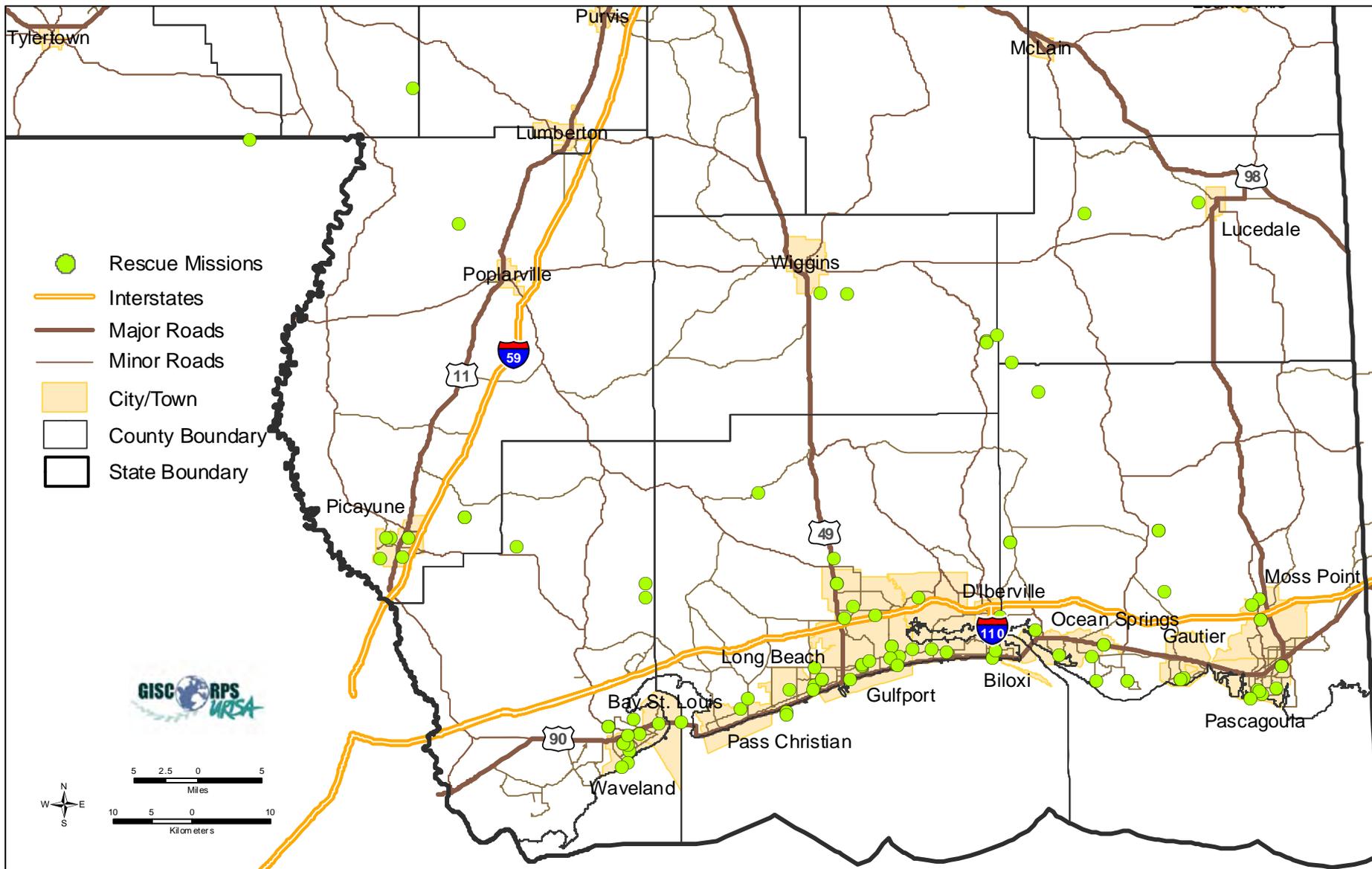
Completed By: _____

Date/Time: _____

Search and Rescue. We translated more than 200 addresses & locations into GPS coordinates for the US Coast Guard rescue helicopter evacuation missions. Many of these location to GPS translations could only be done fast enough using GIS - (calls like "I'm trapped at the water treatment plant in _____" or "I'm about 1 mile north of _____ and I can see a church steeple.")



Urgent Medical Evacuations 9/6/05 0600Hours

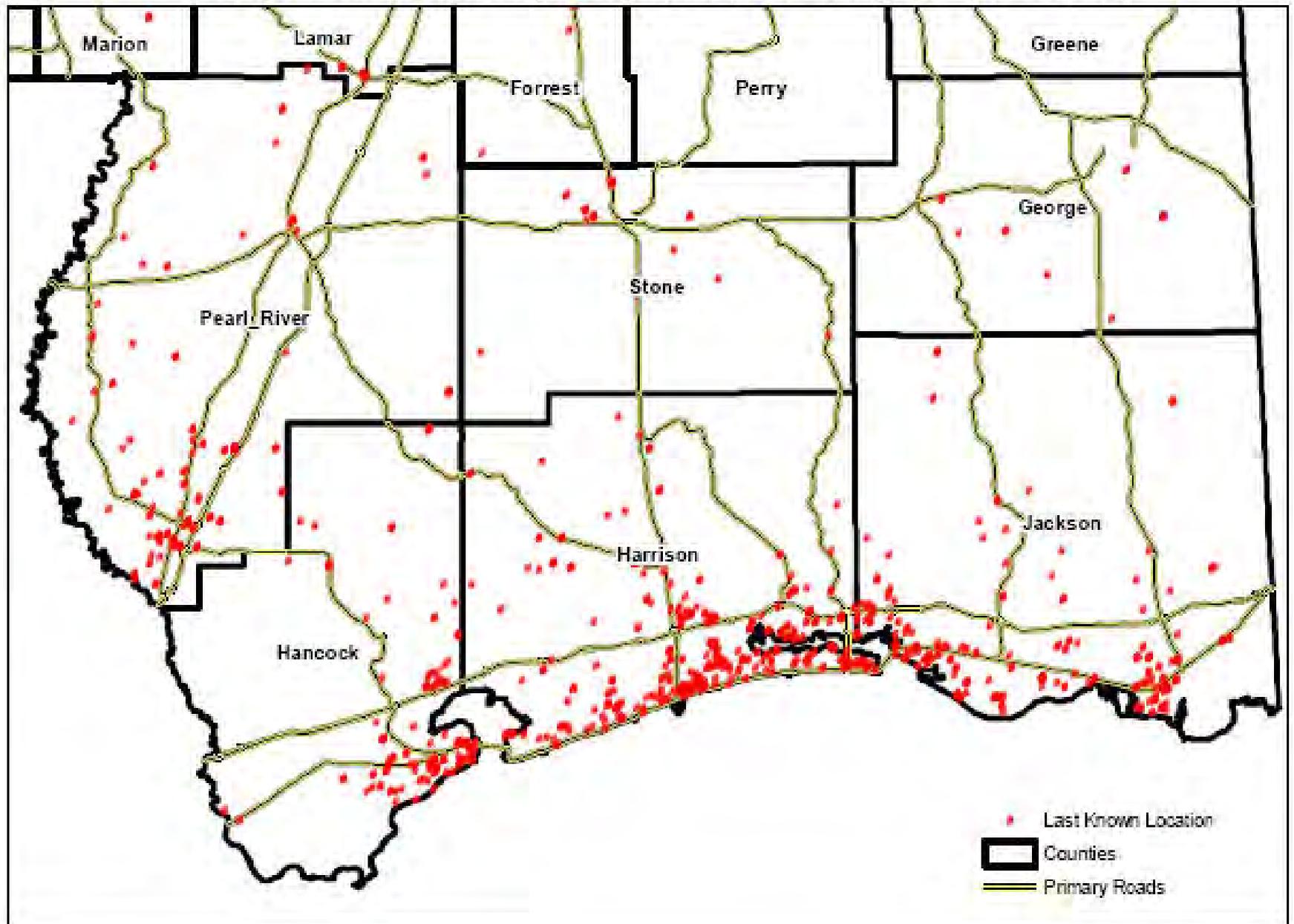


156 Total Recoveries

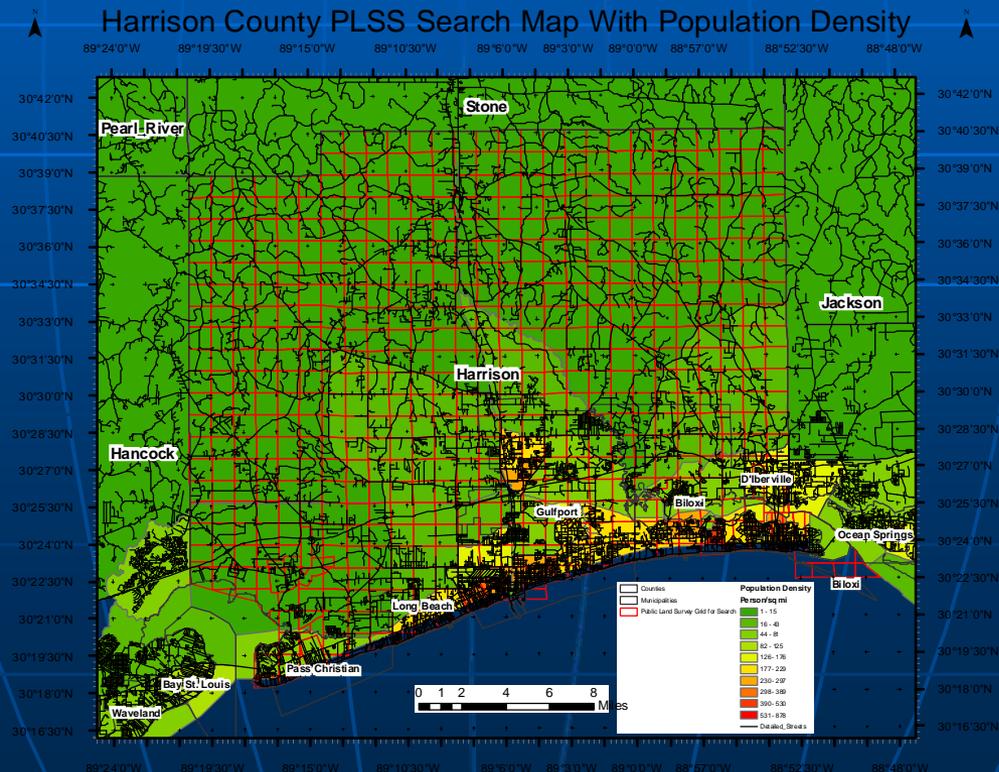


Developed the missing persons website report and database to assist with the taking of missing persons reports (8,000 and climbing rapidly). These reports spit out a geocodable table that is letting us build a missing persons feature class. This feature is the "Last known location" layer helping to map and direct emergency response.

Last Known Positions of Missing Persons (as reported through MEMA, 4 Sept 05)



Talbot & Co. built the initial indexed search maps for the initial responders and strike teams - printed nearly 200 maps in under 10 hours. We then finished a revised and expanded search map set that covers eight county areas and will be used for house-to-house.





If only we were LOCAL!

Maybe I should go pee while I wait

I pray to the bottleneck G-d for speed

Refreshing?

Is this the FEMA response network ?

C'mon, C'mon C'mon

We need a Deployment Plan which is geared for GisCorps self-sufficiency and non-reliance on the Internet. Connectivity problems, bandwidth bottlenecks and actual web availability impacted our effectiveness. The GISCorps Deployment Plan would make possible GisCorps hardware to be brought on-site to facilitate rapid deployment and stable operating environment.

GISCorps and Ole Miss Volunteers



Military dubbed “Brain Bus”

State owned Mobile Teaching Bus, ready-to-go having just hosted an ESRI class in the area





GIS Desk in SEOC Control Room



GIS Desk in SEOC Control Room

NOTICE
The following information is being provided to you for your information only. It is not intended to be used as a basis for any action. For more information, please contact the appropriate department.

MDA/ENERGY

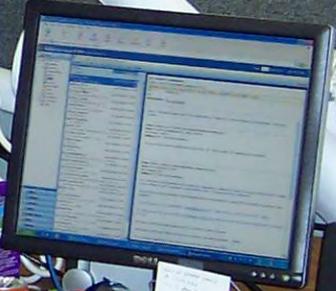
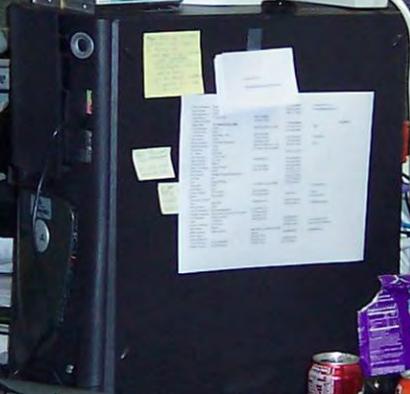
OPS/SUP

DIF

CLOSE ALL
PROGRAMS
WHEN YOU
ARE
FINISHED WITH
THESE
COMPUTERS

GIS Desk in SEOC Control Room

NOTICE





Alabama I-10 + US 90 open
 Florida - I-10 open
 Louisiana - I-10 open to I-225, I-70 open to I-76
 - I-55 open to I-75
 Logistics 360-6994
 Transportation 360-9016
 Rehabilitation 210-989-6900
 Missing persons 360-6994
 Search parties 360-6994

I-10 accessible from I-10 to US 90
 57 SB Between I-10 + US 90 > Hospitals
 73 SB Between I-10 + US 90
 MS 605 SB between I-10 + US 90
 MS 609 E between I-10 + US 90

Airports OPEN
 - NJ International arriving emergency relief (airports) to state
 - Main Charles De Gaulle open, Teter open
 - John F. Kennedy (LGA Field) open, fully operational
 - Lax open
 - Mobile Regional open, ATOT open
 - New Orleans Regional open
 - Pensacola Regional open, ATOT open
 - Long Beach/Boysen AFB open
 - Jackson International ACCEPTING traffic, I-10 on road
 - ...
 - Memphis, Tenn full open, ATC open
 - Memphis, Tenn full open, ATC open

Emergency
 US 9 2 SEMINARY SOUTH
 I-59 SL SL
 63 FROM 98 TO 210
 659 MOBILE TO COLUMBIA
 607 I-10 TO SHERBOURNE
 I-10 US E B SL SL
 US 24
 US 45



Shift change organizational briefing

















Donations

captured by J.D. Overton's wife volunteering in Miss.



Hurricane Katrina Public Assistance



FEMA-1604-DR-MS

25 Counties (Categories C - G) REQUESTED

- Category C: Roads and Bridges
- Category D: Water Control Facilities
- Category E: Building and Equipment
- Category F: Utilities
- Category G: Parks, Recreational Facilities, and Other

Date: 9/6/05 0700



Hurricane Katrina Individual Assistance



FEMA-1604-DR-MS

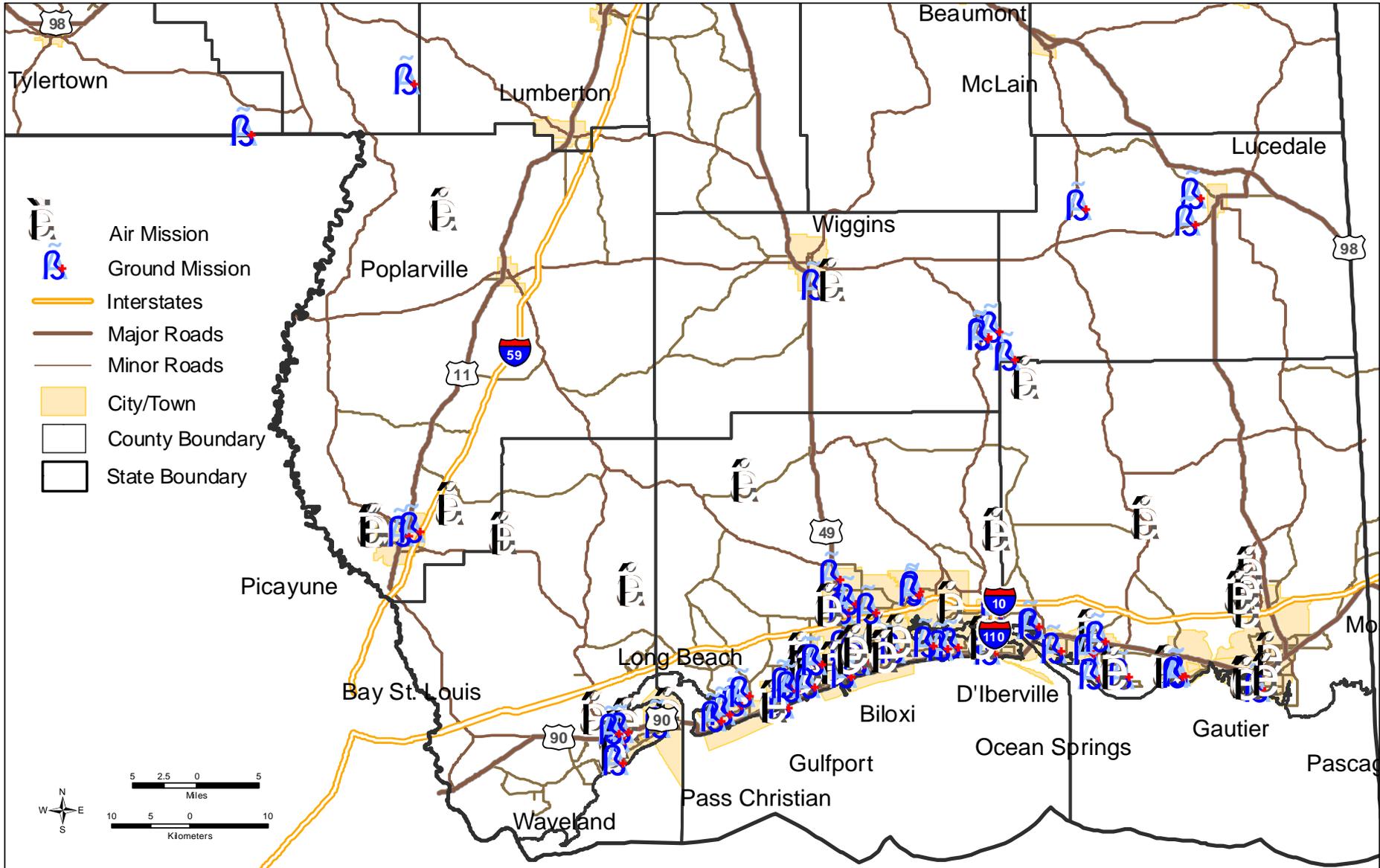
46 Counties - Individual Assistance

Date: 9/6/05 0700

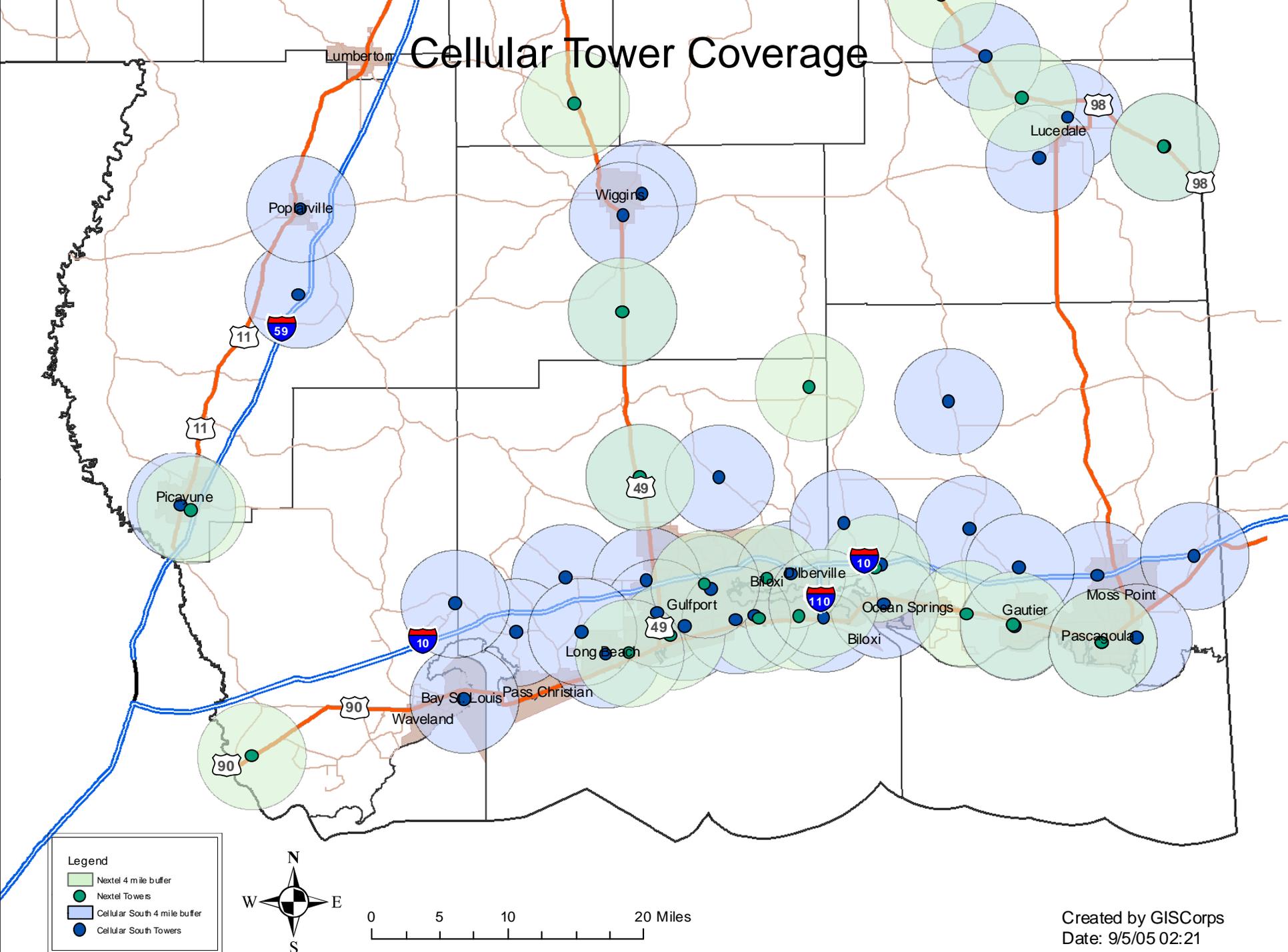


Urgent Medical Evacuations

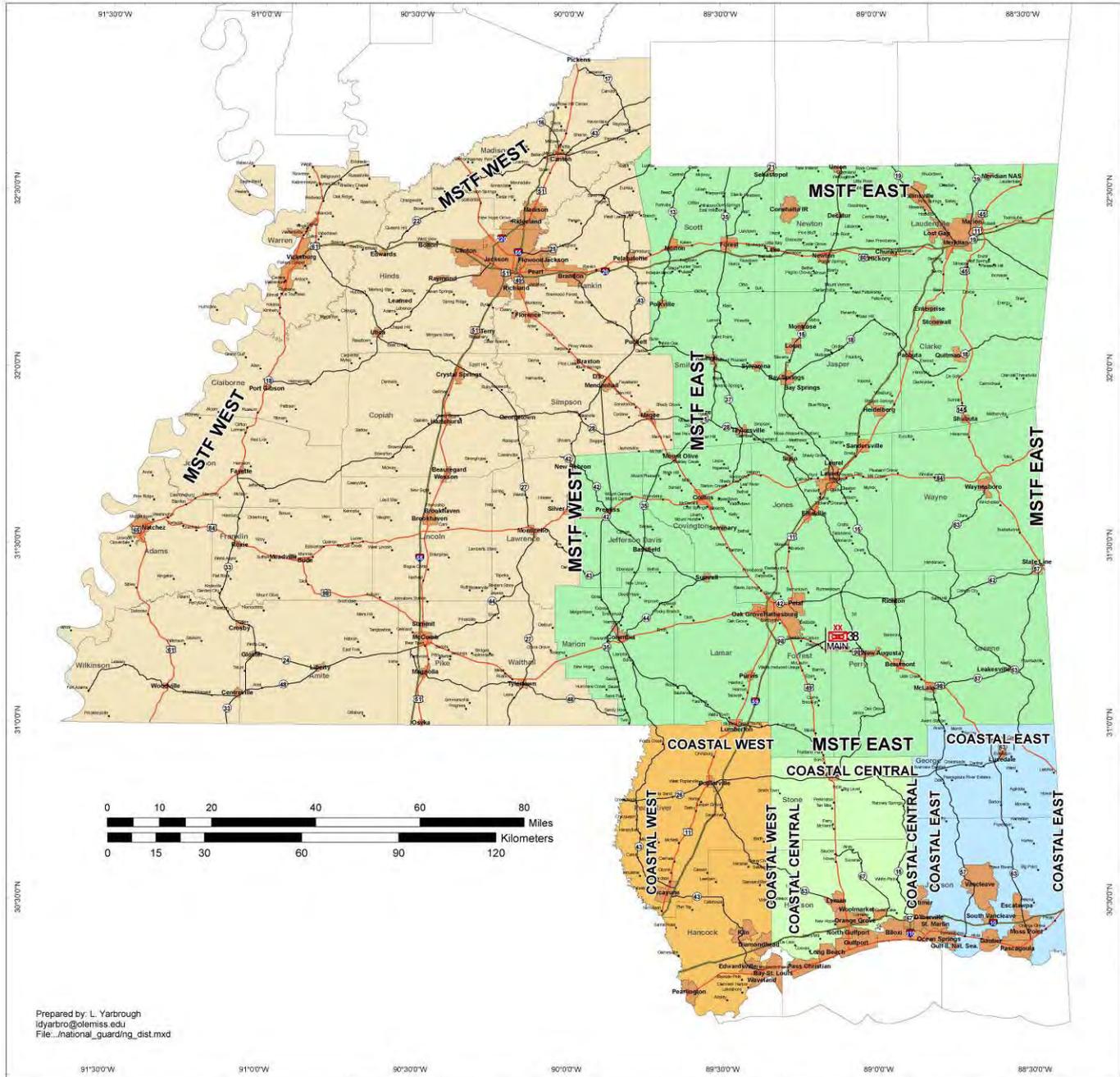
9/5/05 0638 Hours

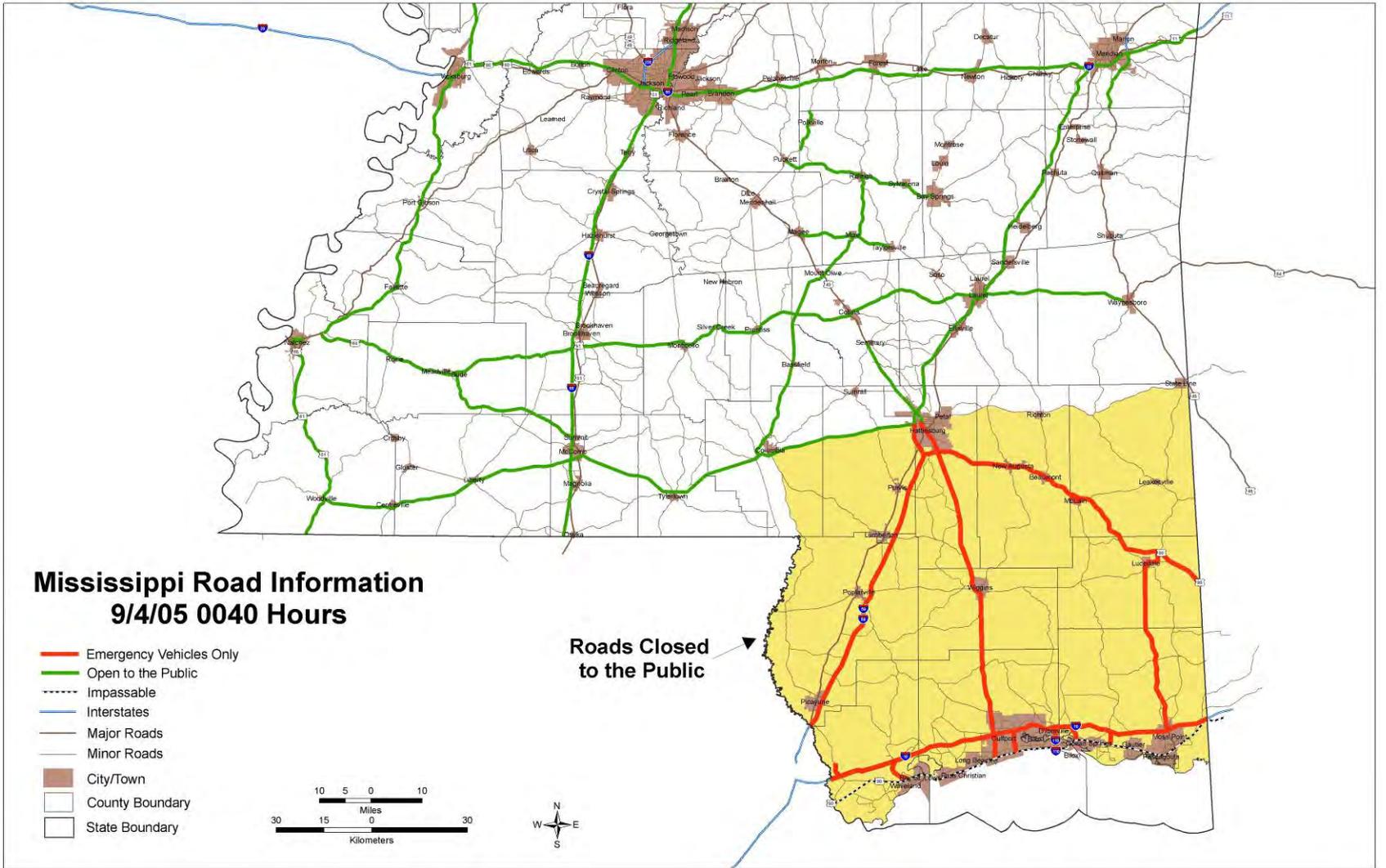


Cellular Tower Coverage



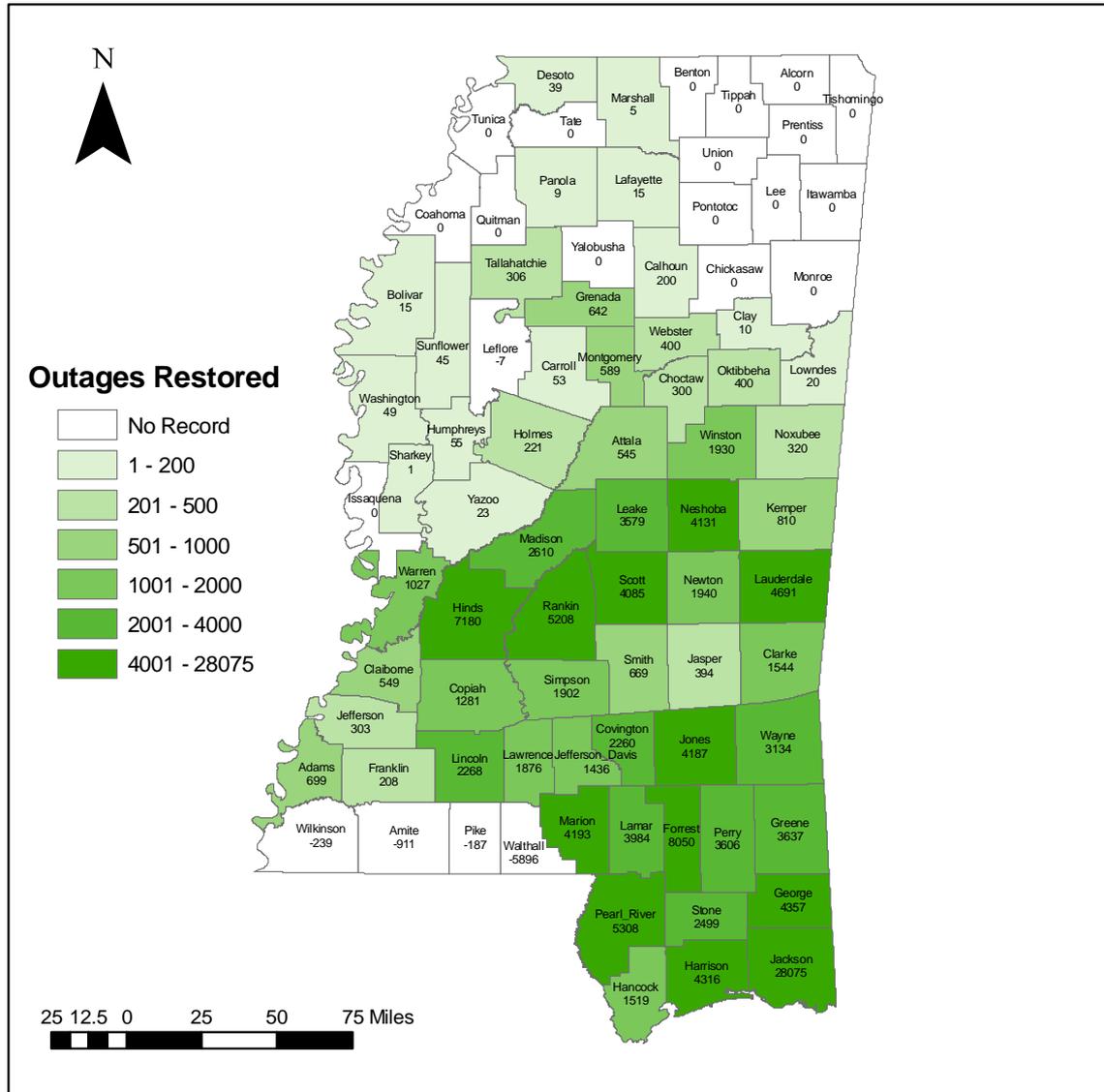
NATIONAL GUARD MAP - 05 SEP 05



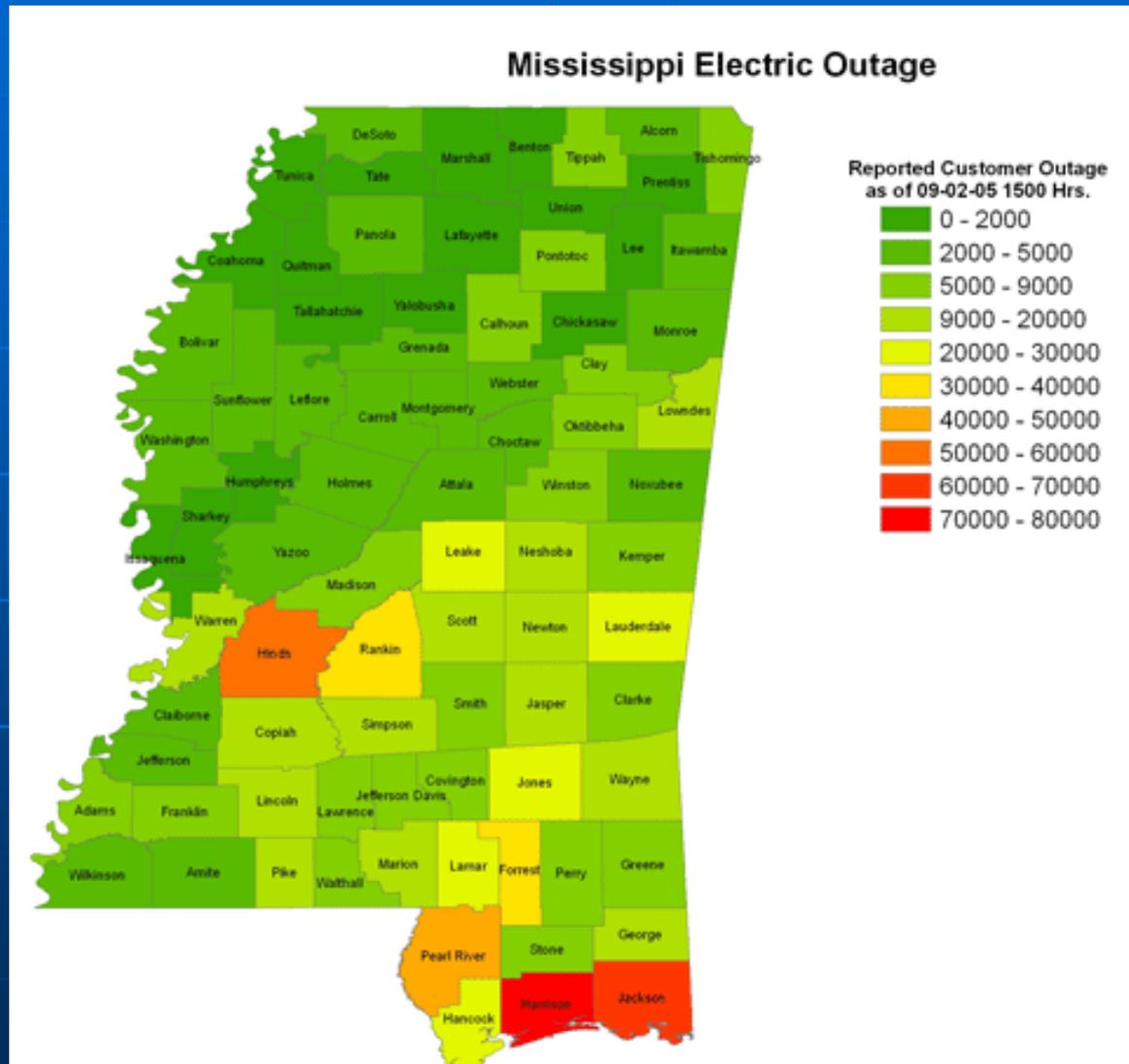


Power Outages Restored September 4, 2005

Data from EPAs, ENTERGY, MSPCO, TVA



Sept. 2nd, 2005



Note the big increase in reported outages vs. Sept. 4th

No customer info yet.

Power Outages September 4, 2005
 Data from EPAs, ENTERGY, MSPCO, TVA

Sept. 4th, 2005

