

A National Strategy for GIS-based Resource Management of Specialized Teams & Fire Data Analysis



Jeff Dulin, Strategic Advisor IAFC
National & Global Programs



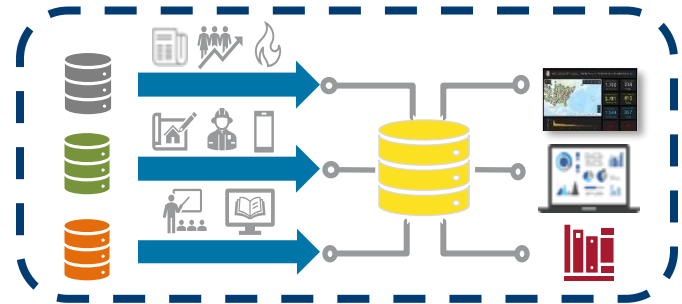
Problem

- More information and data is available today than ever before for evidence-based decision making by emergency response leaders and operators
- The problem is that the data is stove-piped and has not been analyzed



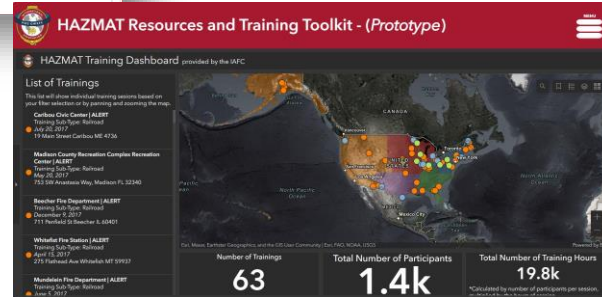
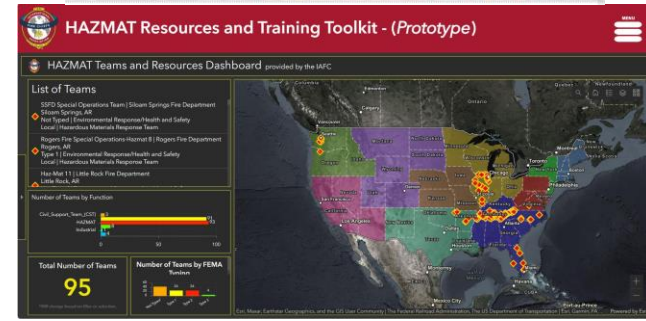
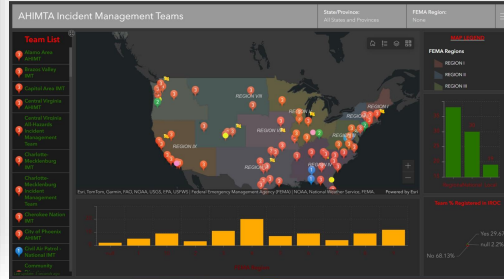
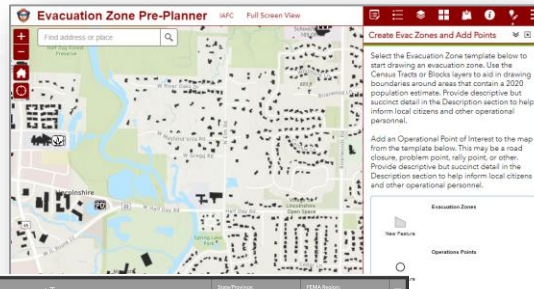
Vision

- Leaders and operators have access to data across all hazards planning and operational decision making.
- Be a one-stop source for self-service actionable decision support products and tools



IAFC's Vision for GIS

- A Connected Central Location For Resource Management through GIS Based Toolkits!



CFD UASI COBRA

https://cobra.charmechem.org/cobra-v2/Default.aspx

File Edit View Favorites Tools Help

Favorites eBay Charlotte-Medlenburg Hom... City of Charlotte Password ... City of Charlotte Windows T... Free Hotmail Yahoo! Mail

CFD UASI COBRA

Charlotte Operations-Based Response Analysis

Charlotte Urban Area Security Initiative (UASI)

CFD Medical Incidents

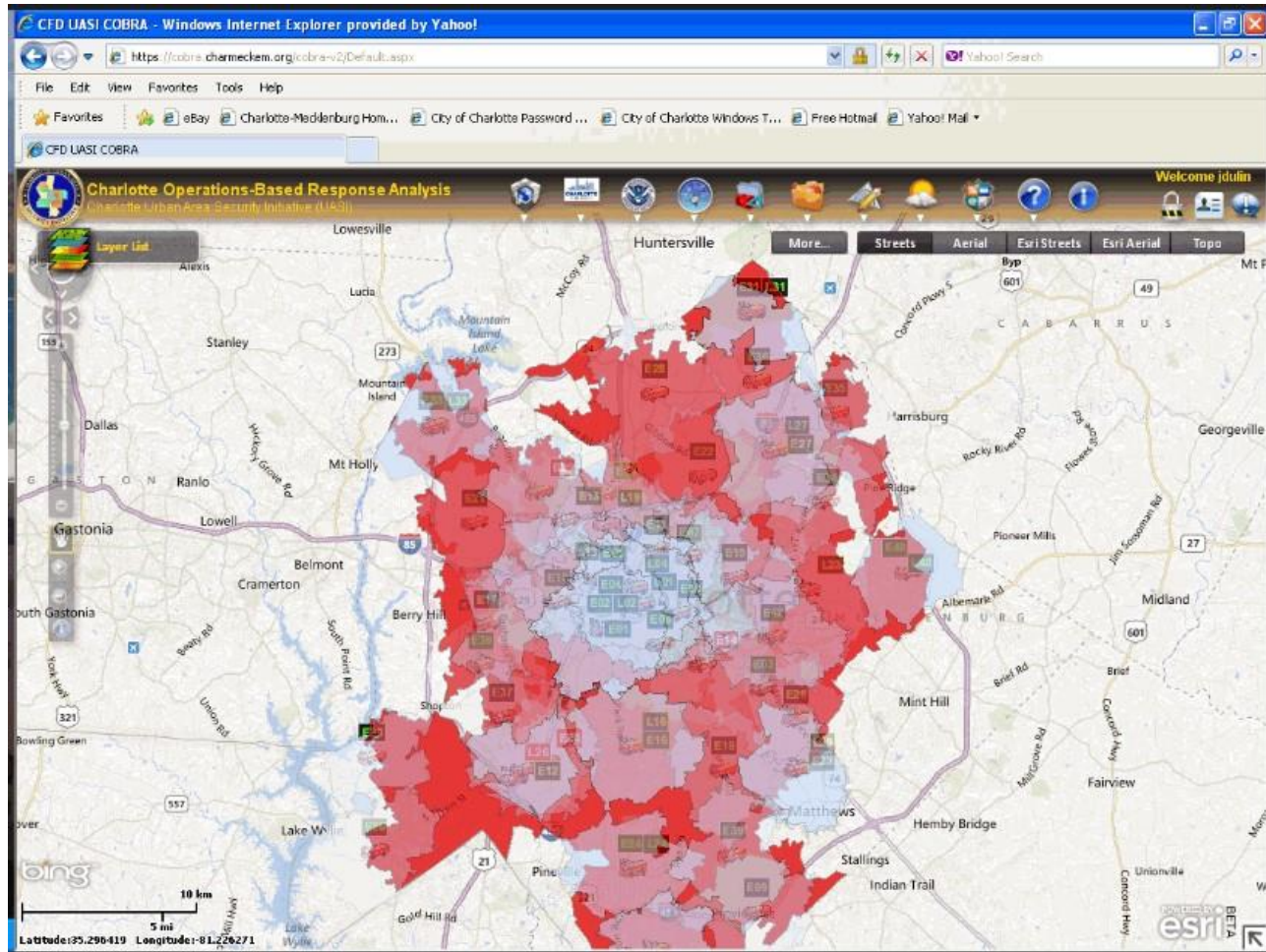
- Med Still Alarm - Unconscious/Fainting**
 Responding Vehicles: E18
 Dispatched: 9/27/2012 12:15:22 PM
 Address: 3201 Cricketeer Dr, CHARLOTTE, NC 28216
- Med Still Alarm - Difficulty Breathing**
 Responding Vehicles: E14
 Dispatched: 9/27/2012 12:14:15 PM
 Arrival: 9/27/2012 12:16:13 PM
 Address: 1036 N Wendover Rd, C, CHARLOTTE, NC 28211
 Time On Scene: 1 mins
- Med Still Alarm - Difficulty Breathing**
 Responding Vehicles: E20
 Dispatched: 9/27/2012 12:07:44 PM
 Arrival: 9/27/2012 12:11:46 PM
 Address: 8300 Nations Ford Rd, CHARLOTTE, NC

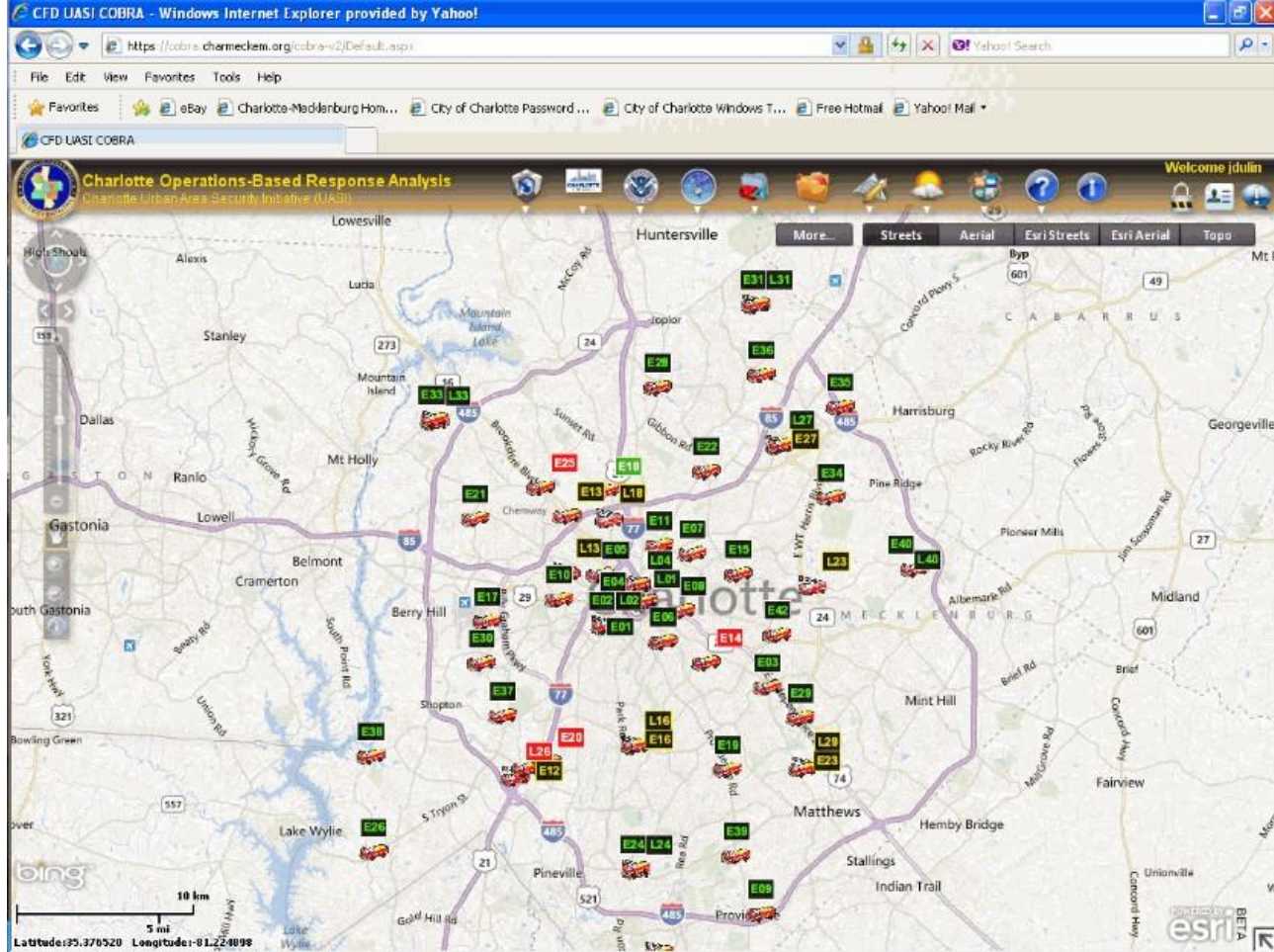
CFD NonMedical Incidents

- Rescue/Basic - MVA Pin In/Extraction**
 Responding Vehicles: BCD3, E13, E25, L18, R10
 Response Date: 9/27/2012 12:10:38 PM
 Unit on Scene: 9/27/2012 12:16:18 PM
 Address: 5647 Brookshire Bv, CHARLOTTE, NC 28216
 Time On Scene: 1 mins
- Alarm Act/No Inj - Fire Alarm - Commercial**
 Responding Vehicles: E12, L26
 Response Date: 9/27/2012 12:09:08 PM
 Unit on Scene: 9/27/2012 12:15:59 PM
 Address: 8400 Southern Pine Bv, E, CHARLOTTE, NC 28273
 Time On Scene: 1 mins

Map showing Charlotte area with incident locations marked by red star icons. Map controls: Streets, Aerial, Esri Streets, Esri Aerial, Topo.







Welcome jdulin

Master Event List

75 Events Current/Scheduled/Ended
Thursday, Sep. 27. 11:53 AM

NOW **NEXT** **PAST** **TBD** Refresh Occurring/Recent Events

NOW Rally to Reschedule Marijuana and Re-Elect Obama March
(Thu 9/16)

-7m 11:20 AM - 12:00 PM GreedOutofWeed.org
Location: Pearle St. Park

NOW Film: The House I Live In (Thu 9/5)
10-11 PM, 12-1 AM, IMPACT Film Festival

-7m Location; Mez & EpiCentre Theaters

NOW Bonner Group - American Bridge briefing w/ David Brock
(7:30 - 8:00)

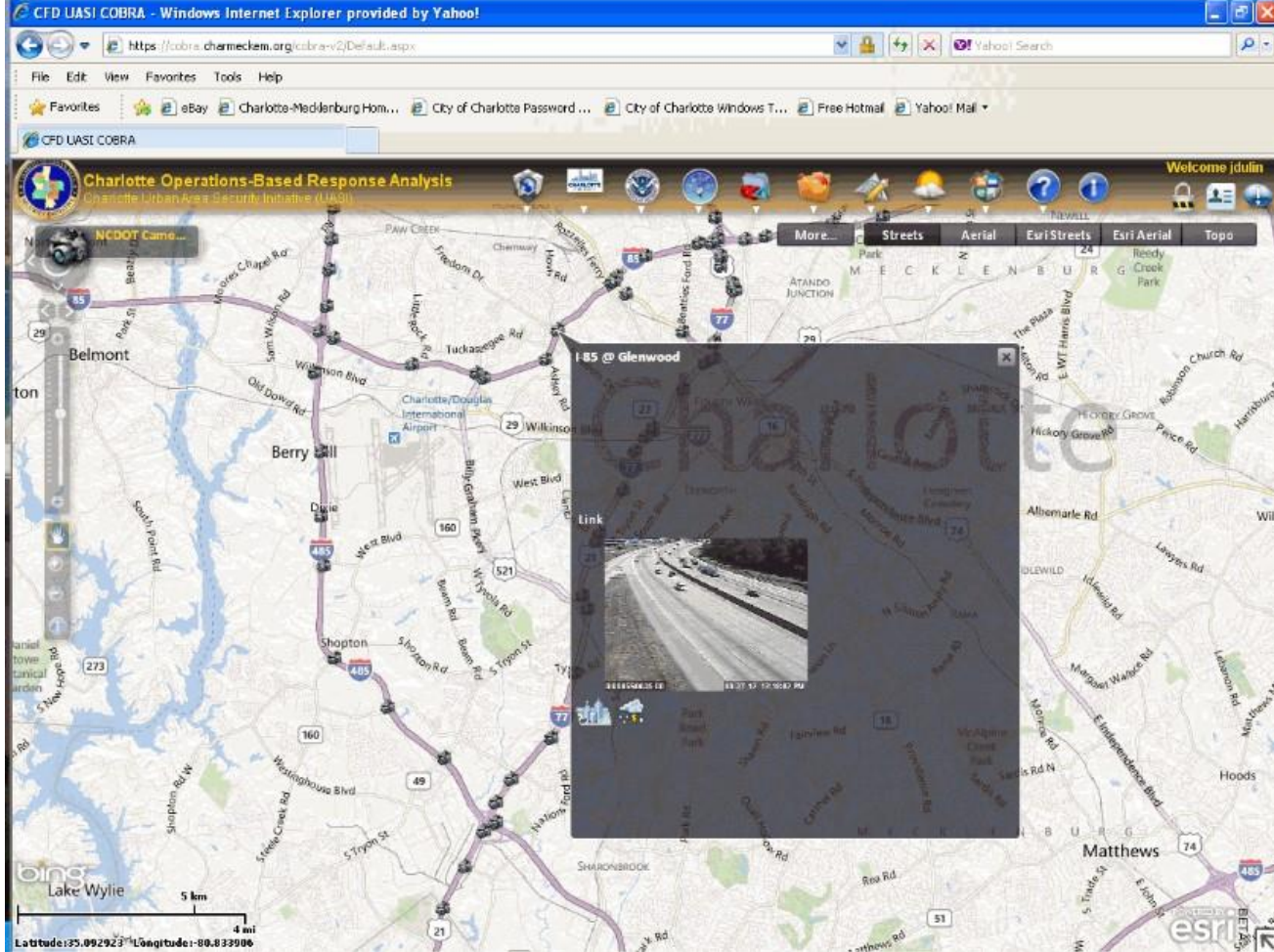
-7m 10:00 AM - 12:00 PM Bonner Group

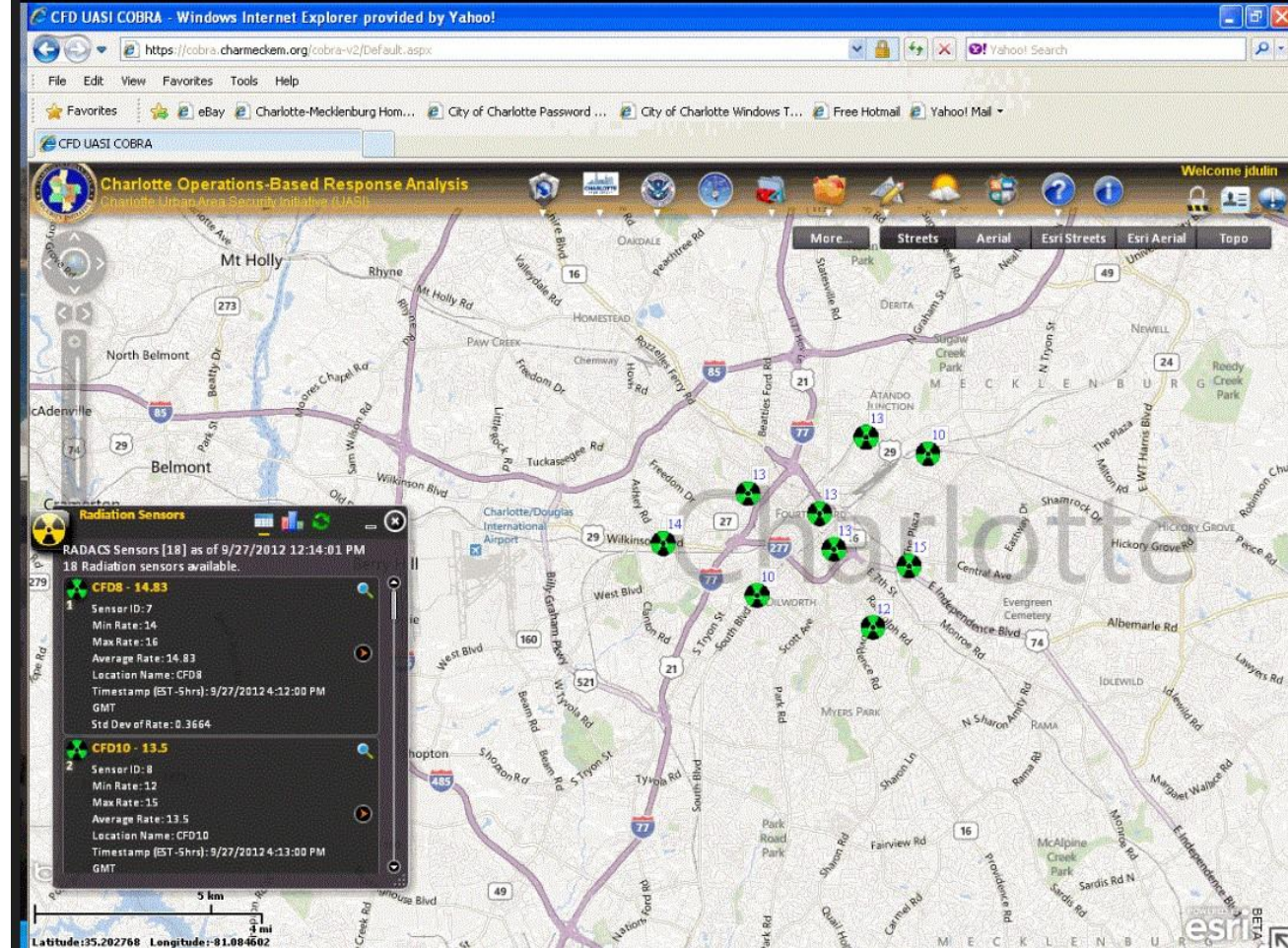
Location: The Ritz - Great Room

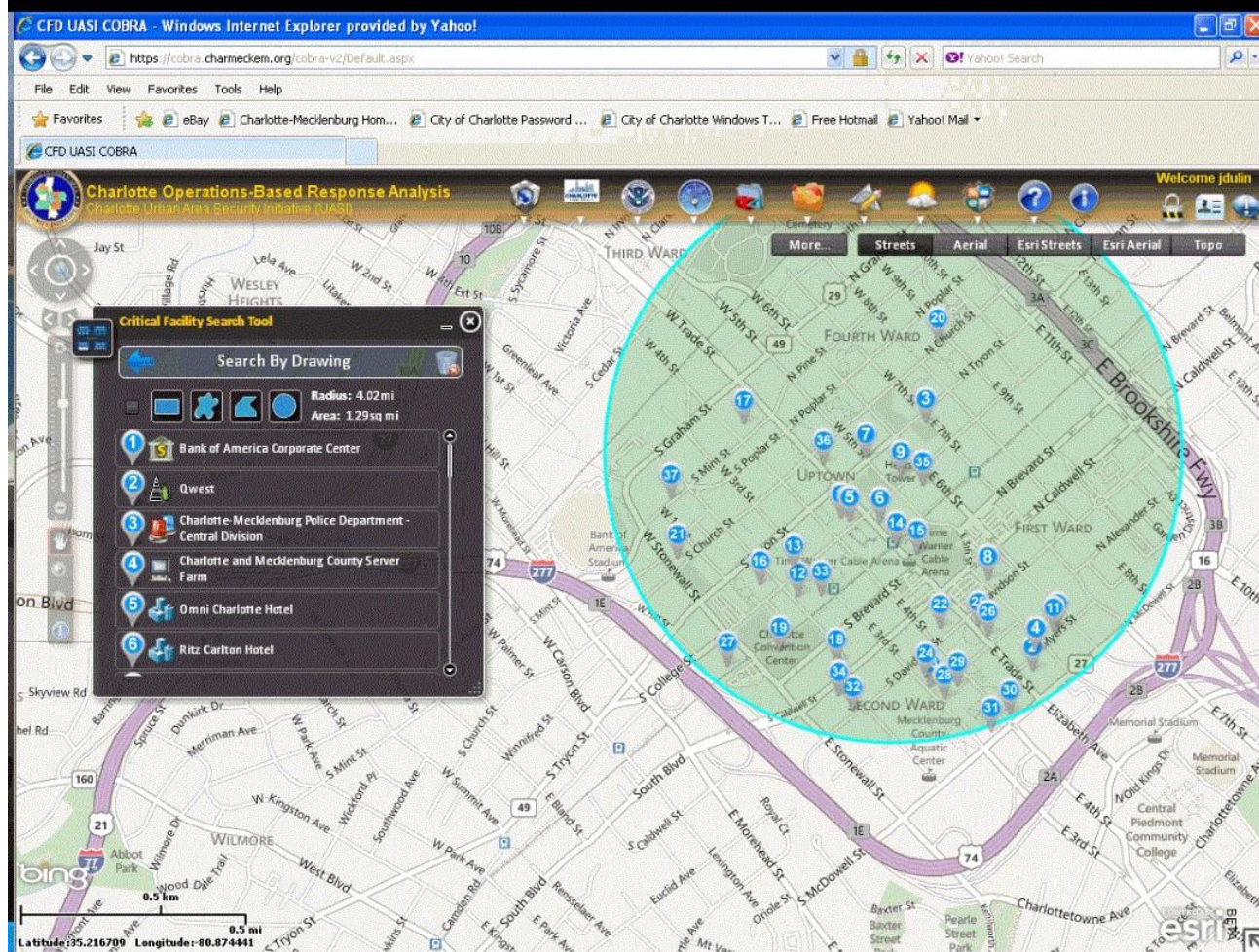
NOW Center Stage VIP Event - Honoring the Democratic Co (Thu 9/6)

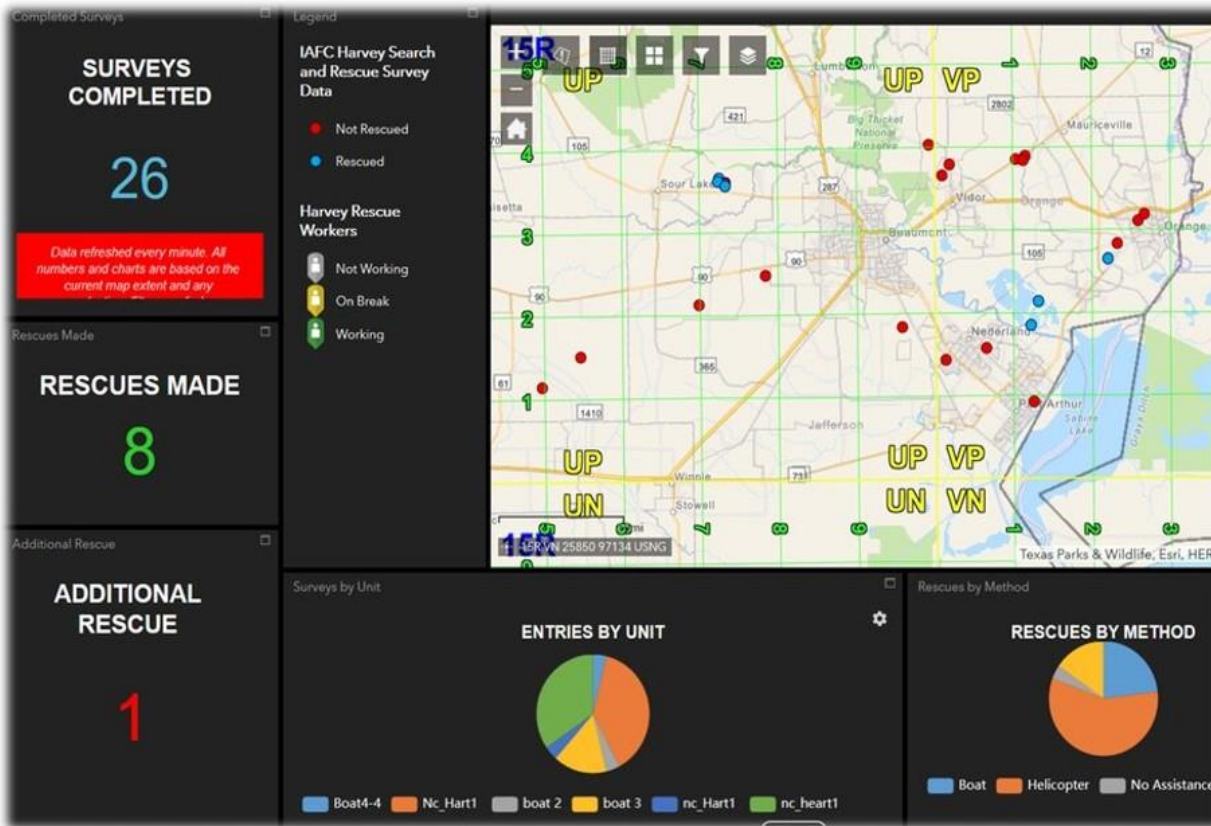
Latitude: 35.220864 Longitude: -80.861288











Verizon 4:48 PM 60%

IAFC Harvey Search and Rescue

Pick up point *

38°52'N 77°22'W ± 719.979 m

Unit *

Rescued *

☐ Yes ☒ No

Rescue Method

Refusal *

☐ Yes ☒ No

Additional Rescue Needed *

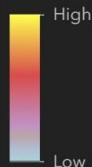
☐ Yes ☒ No

What is needed for rescue

✓



Legend

SUSAR All Survey Data -
Heatmap

FEMA USAR Waypoints -

 Map Legend 

Recent Surveys

Type: Damage
Team: FLTF5
16R FU 3250 4829
12/5/2018, 3:07 PM

- Mainly thebsmaller of the limbs but multiple penetrations through the roof structure

Type: Damage
Team: FLTF5
16R FU 3451 4978
12/5/2018, 3:07 PM
Roof damage

Last update: a few seconds ago

Florence Operations

Filter by Team (SAR Field Collection View Only): None

Legend

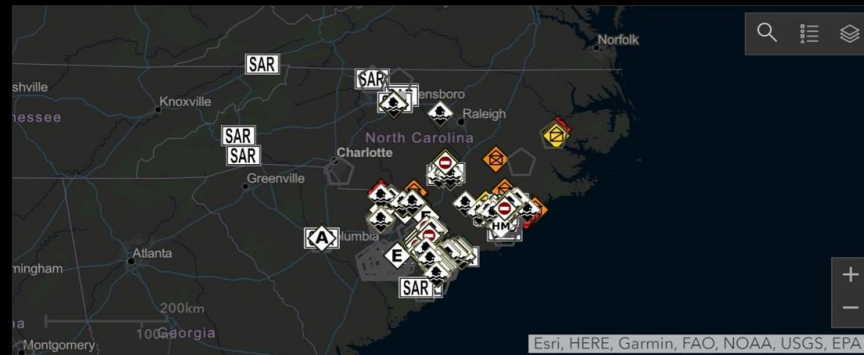
i2018 SAR Field Data Collection
Hazards View

-  Flood/Water Level
-  Route Blocked
-  Fire Incident
-  Hazardous Materials Incident
-  Other

i2018 Hurricane - Phase II SAR
Form Victims View

-  Assisted

Map Legend

Rescues
90

Last update: a few seconds ago

Hazards
211

Last update: a minute ago

Structure Damage
2,167

Last update: a minute ago

Other
181

Last update: a minute ago

Operations Map

Operations App

Photos

Export / Analyze Data

Florence Operations

 **1,220**
Victims Reported

Last update: a few seconds ago

 Victims Contacted 

Victim Types



Last update: a few seconds ago

Victims

Damage

Hazards

Other

Waypoints by Team

All Waypoints (Zoom to a Location to Filter)





HAZMAT Resources and Training Toolkit - (Prototype)

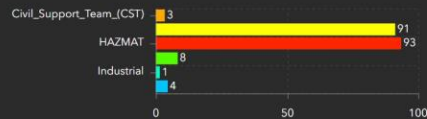


HAZMAT Teams and Resources Dashboard provided by the IAFC

List of Teams

- SSFD Special Operations Team | Siloam Springs Fire Department
Siloam Springs, AR
Not Typed | Environmental Response/Health and Safety
Local | Hazardous Materials Response Team
- Rogers Fire Special Operations-Hazmat 8 | Rogers Fire Department
Rogers, AR
Type 1 | Environmental Response/Health and Safety
Local | Hazardous Materials Response Team
- Haz-Mat 11 | Little Rock Fire Department
Little Rock, AR
Not Typed | Environmental Response/Health and Safety
Local | Hazardous Materials Response Team
- Sassy Haz Mat team | City of Sassy Fire Department

Number of Teams by Function

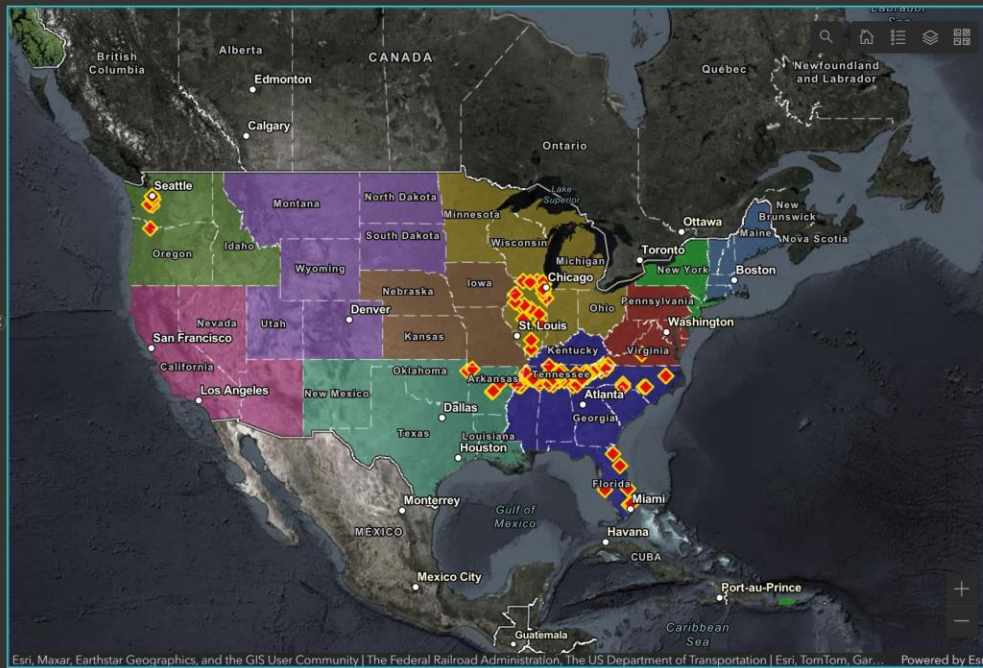
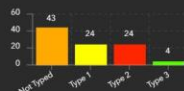


Total Number of Teams

95

*Will change based on filter or selection.

Number of Teams by FEMA Typing



Esri, Maxar, Earthstar Geographics, and the GIS User Community | The Federal Railroad Administration, The US Department of Transportation | Esri, TomTom, Gar... Powered by Esri





HAZMAT Resources and Training Toolkit - (Prototype)



HAZMAT Training Dashboard provided by the IAFC

List of Trainings

This list will show individual training sessions based on your filter selection or by panning and zooming the map.

Caribou Civic Center | ALERT

Training Sub-Type: Railroad

July 20, 2017

19 Main Street Caribou ME 4736

Madison County Recreation Complex Recreation Center | ALERT

Training Sub-Type: Railroad

May 20, 2017

753 SW Anastasia Way, Madison FL 32340

Beecher Fire Department | ALERT

Training Sub-Type: Railroad

December 9, 2017

711 Penfield St Beecher IL 60401

Whitefish Fire Station | ALERT

Training Sub-Type: Railroad

April 15, 2017

275 Flathead Ave Whitefish MT 59937

Mundelein Fire Department | ALERT

Training Sub-Type: Railroad

June 5, 2017

1000 N Midlothian Rd Mundelein IL 60060

Lexington Technology Park | ALERT

Training Sub-Type: Railroad

December 10, 2017

400 N Lexington Ave Lexington PA 15009



Esri, Maxar, Earthstar Geographics, and the GIS User Community | Esri, TomTom, FAO, NOAA, USGS

Powered by Esri

Number of Trainings

65

Total Number of Participants

1.4k

Total Number of Training Hours

20k

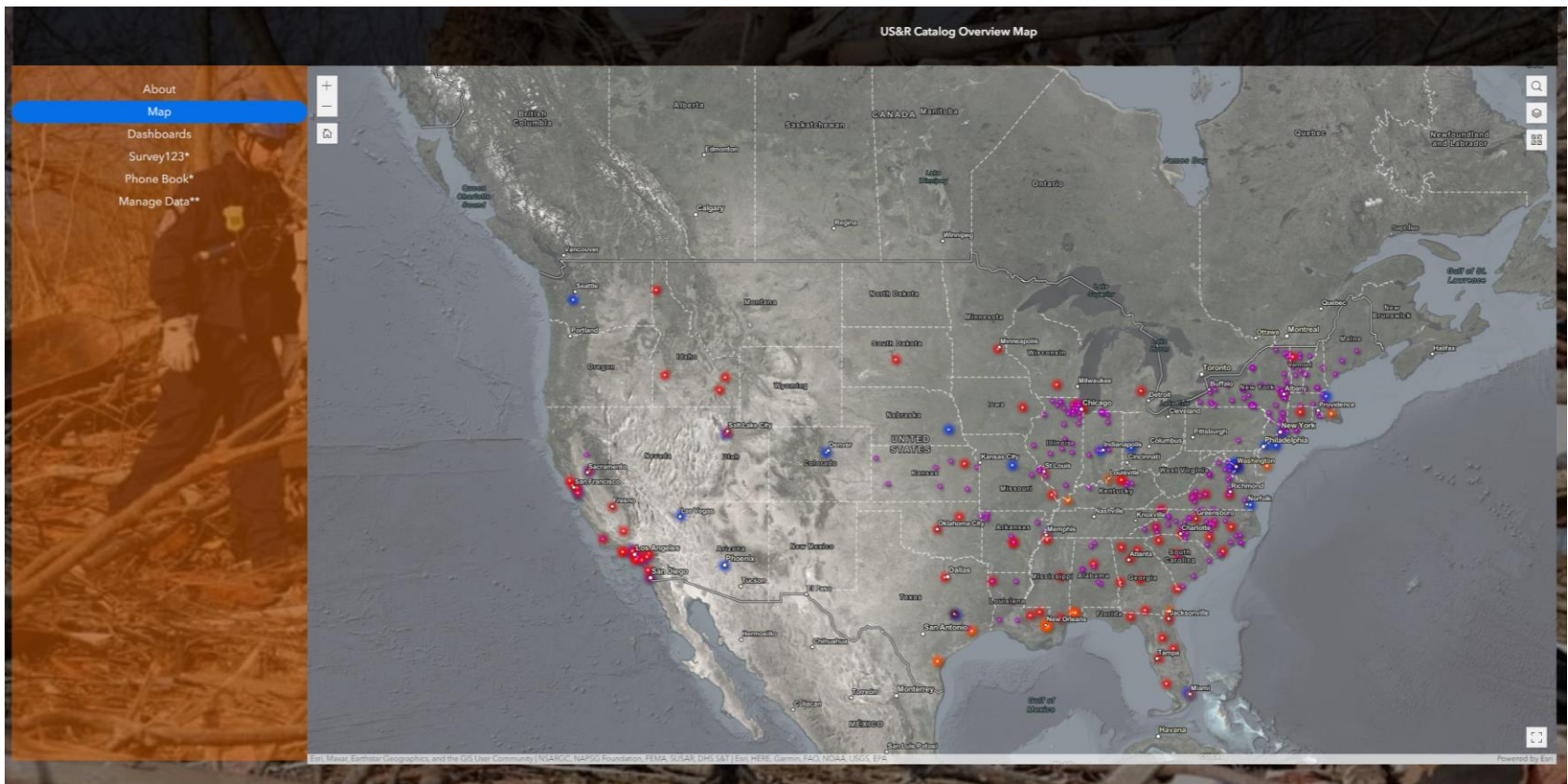
*Calculated by number of participants per session, multiplied by the hours of session.



Future Enhancements

- Other Agencies PHMSA Funded Training
- Upcoming Rail, Pipeline, Roadway Training
- Library of Haz Mat Resources





About

Map

Dashboards

Survey123*

Phone Book*

Manage Data**



State Search and Rescue Coordinator Contact / Locator

Add a point of contact using the "add point of contact" link in the menu to the right of this header ->

Coordinator Contacts by State

Alternate Coordinator POC -

Alternate POC Email -

Idaho - Idaho Transportation Department - Division of AeronauticsUpdate Information [HERE](#)**24 Hour Warning POC -** (800) 346-9134

Primary Coordinator POC - Tim Steffen

Primary POC Email - tim.steffen@td.idaho.gov

Alternate Coordinator POC -

Alternate POC Email -

Illinois - Illinois Emergency Management AgencyUpdate Information [HERE](#)**24 Hour Warning POC -** (217) 782-7860

Primary Coordinator POC - Scott Gauvin

Primary POC Email - Scott.Gauvin@illinois.gov

Alternate Coordinator POC - Mike McPeck

Alternate POC Email - Michael.McPeck@illinois.gov

ESF9 Primary POC - Kevin Lyne

ESF9 Primary Email - lyne@mbas-il.org

ESF9 Alternate POC - Spencer Kimura

ESF9 Alternate Email -

Indiana - Indiana Dept of Homeland SecurityUpdate Information [HERE](#)**24 Hour Warning POC -** (317) 238-1750

Primary Coordinator POC - Mark Michael

Primary POC Email - MaMichael@dhs.in.gov

Alternate Coordinator POC - Bradley Thatcher

Alternate POC Email - bthatcher@dhs.in.gov

ESF9 Primary POC - Jared Thomas

ESF9 Primary Email - jarthomas@dhs.in.gov

ESF9 Alternate POC -

ESF9 Alternate Email -

Kansas - Office of the State Fire MarshalUpdate Information [HERE](#)**24 Hour Warning POC -** (785) 291-3333

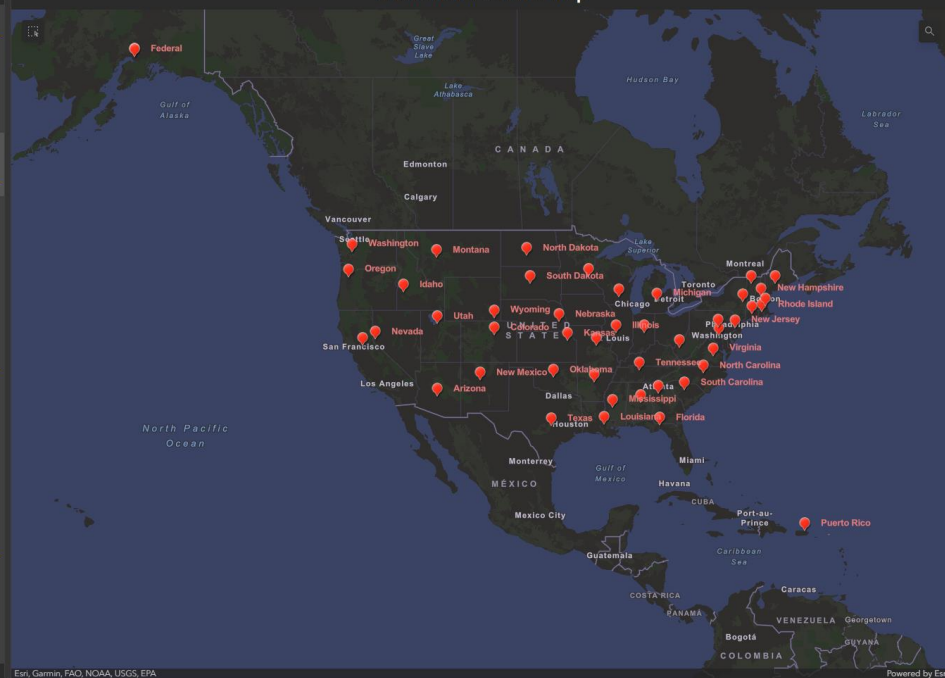
Primary Coordinator POC - Randy Hill

Primary POC Email - randy.hill@ks.gov

Alternate Coordinator POC - Gregg Bollella

Last update: 27 seconds ago

Coordinator Locator Map



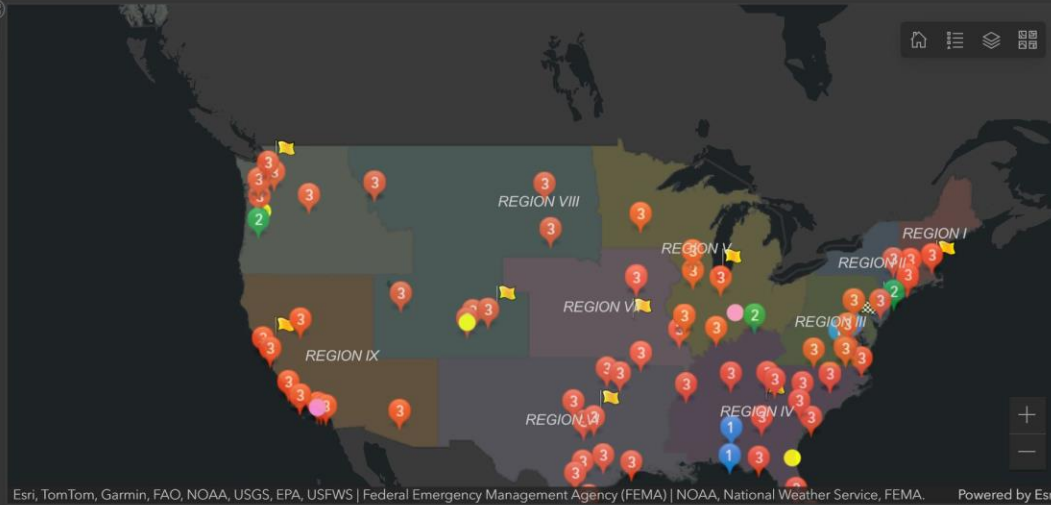
AHIMTA Incident Management Teams

State/Province:
All States and Provinces

FEMA Region:
None

Team List

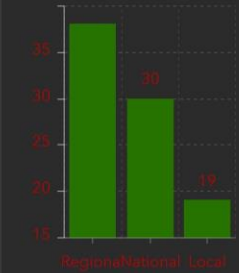
- 3 Alamo Area AHIMT
 - 3 Brazos Valley IMT
 - 3 Capitol Area IMT
 - 3 Central Virginia AHIMT
 - Central Virginia All-Hazards Incident Management Team
 - 3 Charlotte-Mecklenburg IMT
 - Charlotte-Mecklenburg Incident Management Team
 - 3 Cherokee Nation IMT
 - 3 City of Phoenix AHIMT
 - 1 Civil Air Patrol - National IMT
 - Community
- Last update: 5 seconds ago



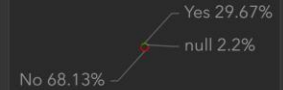
MAP LEGEND

FEMA Regions

- REGION I
- REGION II
- REGION III



Team % Registered in IROC



Introduction

The International Association of Fire Chiefs (IAFC) and its Wildland Fire Policy Committee have created this Wildfire Evacuation Planning Toolkit, aiding local jurisdictions in evacuation planning. The Wildfire Evacuation Planning Toolkit contains three distinct pieces:

1. **The Capabilities Assessment** serves as a checklist for agencies to assess their current capability and readiness for conducting evacuations.
2. **The Post Assessment Action Plan** contains a collection of materials to aid in jurisdictional evacuation planning efforts.
3. **The Evacuation Zone Pre-Planner** is a map-based platform for agencies to draw pre-planned evacuation areas.

This application is intended to be easy to use without any previous experience with geospatial technologies or platforms.

- Users can explore their community within a map-based environment to make informed decisions on evacuation zone sizes and locations.
- Within the application, users can create, save, edit, and export evacuation zones.
- To support interoperability, users can download their evacuation zones in KML/KMZ or shapefiles for use in external evacuation systems.



Capabilities Assessment



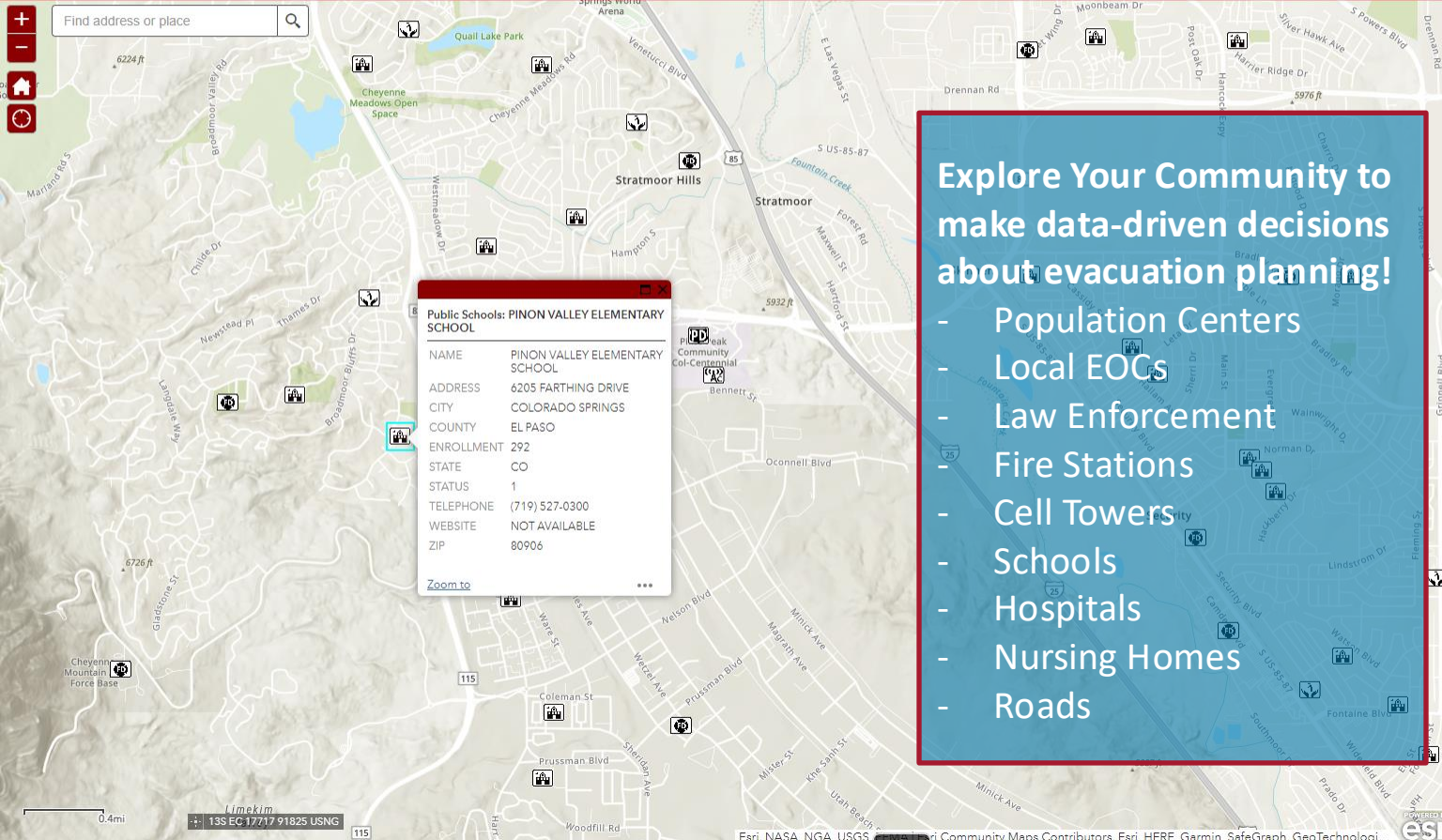
Post Assessment Action Plan



Evacuation Zone Pre-Planner

*If you do not have access to the Pre-Planner, you can request access by completing this short form: [IAFC Application Access](#).

 Find address or place



Public Schools: PINON VALLEY ELEMENTARY SCHOOL

NAME	PINON VALLEY ELEMENTARY SCHOOL
ADDRESS	6205 FARTHING DRIVE
CITY	COLORADO SPRINGS
COUNTY	EL PASO
ENROLLMENT	292
STATE	CO
STATUS	1
TELEPHONE	(719) 527-0300
WEBSITE	NOT AVAILABLE
ZIP	80906

[Zoom to](#)

Explore Your Community to make data-driven decisions about evacuation planning!

- Population Centers
- Local EOCs
- Law Enforcement
- Fire Stations
- Cell Towers
- Schools
- Hospitals
- Nursing Homes
- Roads

Layers

Evacuation Zones and Operational Points of Interest

Layers

- ☒ Evacuation Zones
- ☒ Planning and Operations Points

Base Data

- ☒ Nursing Homes
- ☒ Fire Stations
- ☐ USA Roads
- ☐ USA Counties
- ☐ USA Census Tracts
- ☐ U.S. Census Block Groups
- ☐ USA Census 2020 Redistricting Blocks

Wildfire-Specific Layers

Layers

- ☐ Benefits of Improving Evacuation Routes
- ☐ Wildfire Resiliency Census Tracts
- ☐ Current Incidents
- ☒ Current Perimeters
- ☐ Wildfire Daily Fire Perimeter
- ☐ Prescribed Fire



Wildfire Evacuation Planning Toolkit

Intro

Capabilities Assessment

Post Assessment Action Plan

Create Evac Zones

Help & Resources



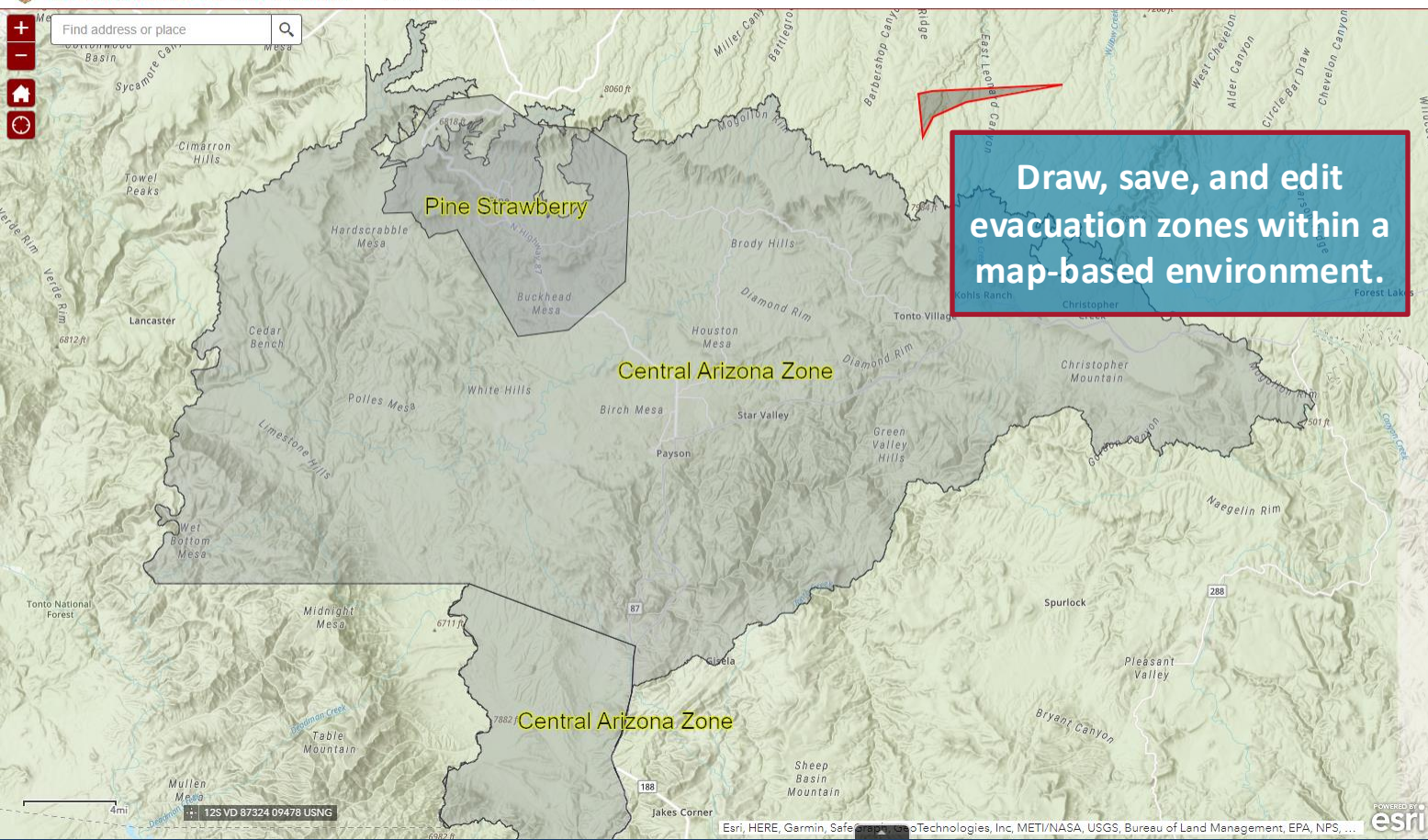
Evacuation Zone Pre-Planner

by IAFC

Full Screen View



Find address or place



Draw, save, and edit evacuation zones within a map-based environment.

Create Evac Zones and Add Points

Select the Evacuation Zone template below to start drawing an evacuation zone. Use the Census Tracts or Blocks layers to aid in drawing boundaries around areas that contain a 2020 population estimate. Provide descriptive but succinct detail in the Description section to help inform local citizens and other operational personnel.

Add a Planning or Operational Point of Interest to the map from the template below. This may be a road closure, staging point, safe refuge area, or other. Provide descriptive but succinct detail in the Description section to help inform local citizens and other operational personnel.

Evacuation Zones

New Feature

Planning and Operations Points

Road Closure

Choke Point

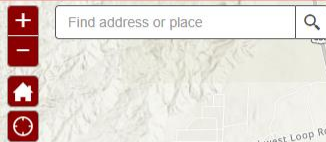
Pinch Point

Staging

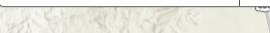
Temporary Evacuation Point...

Temporary Refuge Area

Polygon

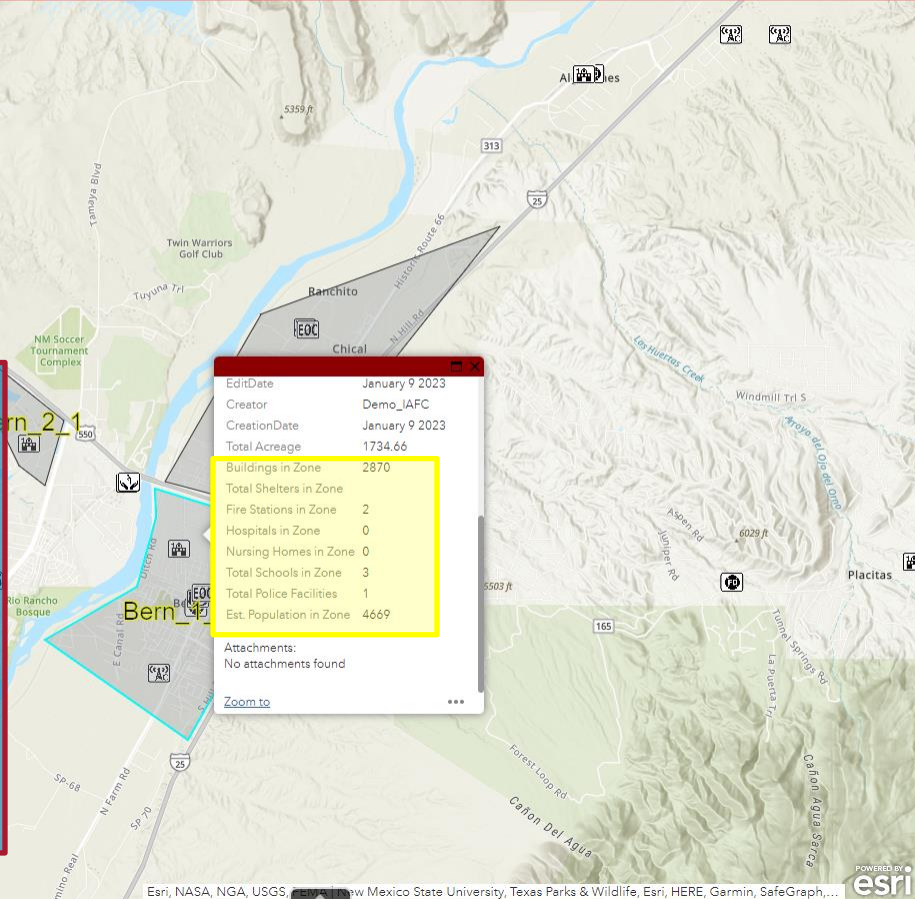


Find address or place



View data about the zones:

- Acreage
- Building Estimates
- Population Estimates
- FEMA Shelters
- Fire Stations
- Hospitals
- Nursing Homes
- Schools



About

Instructions
This web mapping application features several "widgets" (tools) to help you create evacuation zones to aid the public in the event of an emergency.

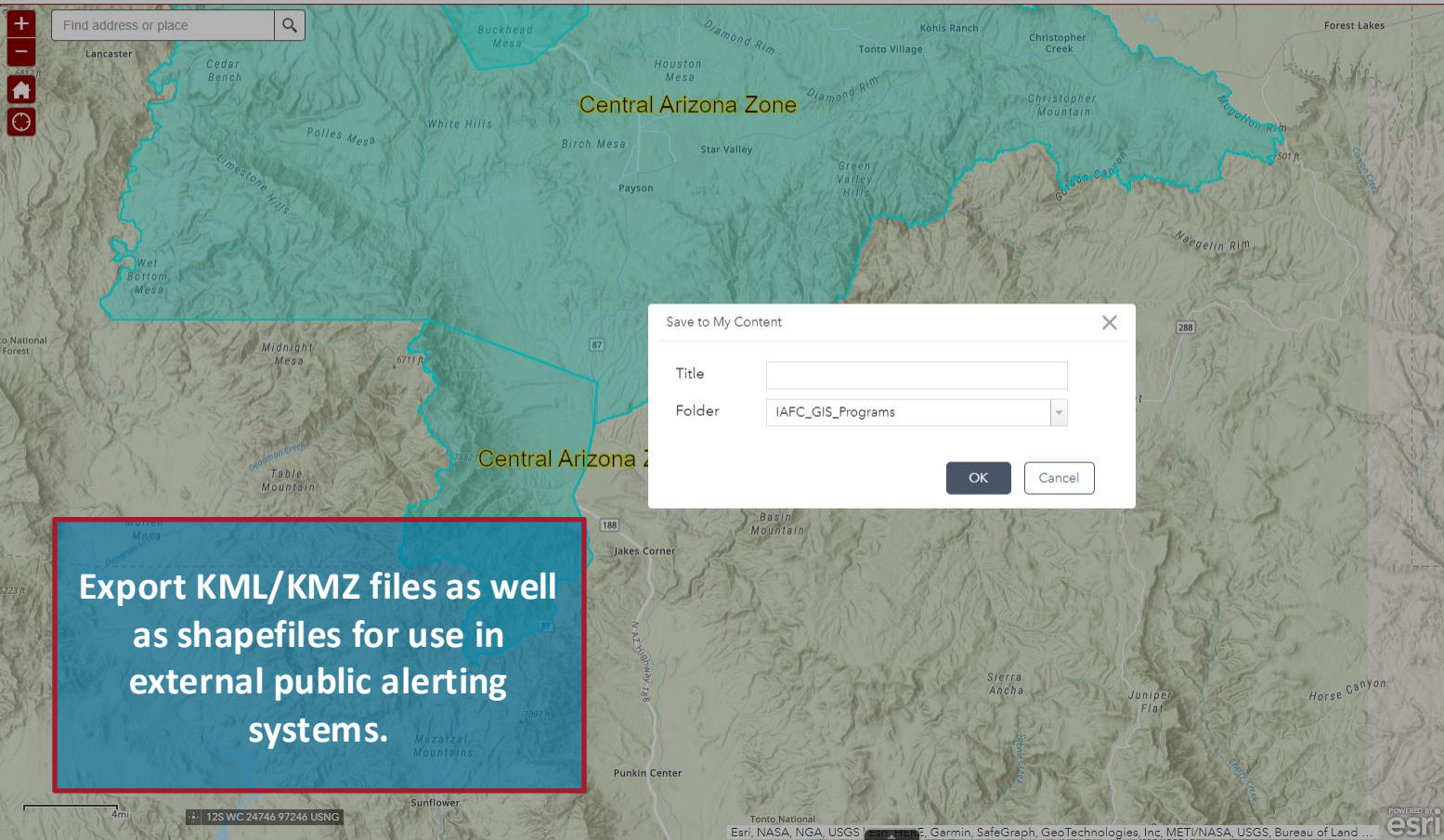
Create Evacuation Zones Workflow
Creating custom evacuation zones for pre-planning purposes is straightforward:

1. Click the **Create Evac Zones and Add Points** widget.
2. Select the Evacuation Zones new feature in the bottom pane.
3. Click on the map to start drawing a polygon shape, each click is a corner of the shape. **Double click** on final corner to complete the polygon.
4. Add **applicable information** on the right side pane within the empty text boxes. Be descriptive but concise.
5. Click **Save** at the bottom.

Follow the same steps above to place a **Point of Interest**, one click will place the point.

Export Data Workflow
The common operating workflow for creating exported **Shapefiles, KMLs, CSVs** and more within this webapp proceeds as follows:

1. Use the **Create Evac Zones and Add Points** widget to add points of interest and draw custom evacuation zones particular to your efforts. Fill in all applicable information on the side to annotate the features.
2. Use the **Filter** and **Select** widgets to pare down the evacuation zones to the ones you wish to export outside the



Save to My Content

Title

Folder

OK Cancel

Export KML/KMZ files as well as shapefiles for use in external public alerting systems.

Select

Select Clear

Layer

☒	Evacuation Zones	28	***
☒	Planning and Operations Points	0	***
☐	Local Emergency Operations Centers	0	***
☐	Law Enforcement	0	***
☐	Cellular Towers	0	***
☐	Private Schools	0	***
☐	Public Schools	0	***
☐	Hospitals	0	***
☐	Nursing Homes	0	***
☐	Fire Stations	0	***
☐	USA Roads	0	***
☐	Benefits of Improving Evacuation Routes	0	***
☐	Wildfire Resiliency Census Tracts	0	***
☐	Current Incidents	0	***
☐	U.S. Census Block Groups	0	***
☐	USA Census 2020 Redistricting Blocks	0	***
☐	Current Perimeters	0	***
☐	SVI2020_US_county	0	***
☐	SVI2020_US_tract	0	***
☐	SVI2020_US_county - Theme 1	0	***
☐	SVI2020_US_tract - Theme 1	0	***

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Capabilities Assessment



Post Assessment Action Plan



Evacuation Zone Pre-Planner

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National Strategy for GIS-based Resource Management of Specialized Teams

- One Stop Shop
- Cataloguing of Resources for Quick Reference
- Ability to Partner Resources
- Resource Owner Rolodex
- Status of Resources During National Crisis
- Ability to Demonstrate the Need For Investment in Resource Building Where Needs Exist





LOGIN

ABOUT

JOB

MEMBERSHIP

CONFERENCE

EVENTS

AWARDS

RESOURCES

CONTACT



Recruitment and Retention



www.iafc.org



North Carolina Volunteer Firefighter Recruitment & Retention

2023 SAFER Grant Survey Results

Select a Region

All Regions

Select a County

All Counties

Select a Department

All Departments

Select a Date

No date selected

Total Survey Submissions

622

Number of Departments with Survey Submissions

127

Select a region to see number of

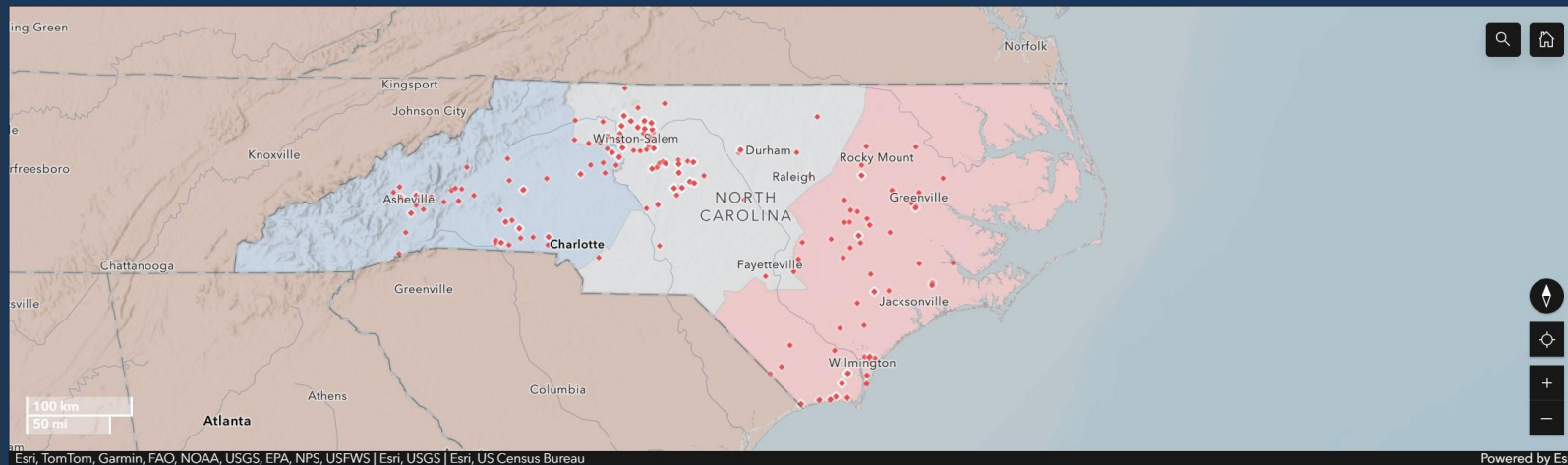
Selection required on one or more elements

Select a county to see number of

Selection required on one or more elements

Select a department to see number of

Selection required on one or more elements



Indiana GIS Toolkit

The purpose of the GIS Toolkit is to create four easy steps to explore data to support your local recruitment and retention activities in new ways

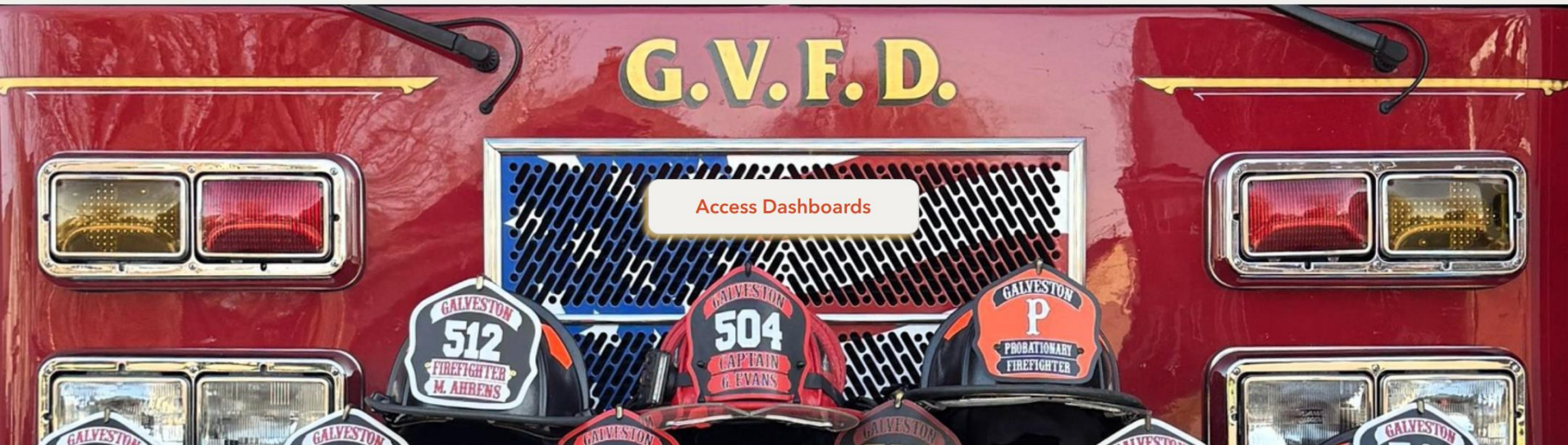
- Review and explore Survey Results of current volunteer firefighters.
- Identify potential new Recruitment Locations
- Explore Community Demographics to identify new workforce
- Review and Share Recruitment events.

Access the [Indiana Toolkit](#)





Indiana Volunteer Firefighter Geospatial Recruitment and Retention Toolkit



Access and complete the surveys below that feed this toolkit.

Existing Volunteer Firefighter Survey



New Volunteer Firefighter Applicant Survey



Recruitment Event Tracking and Feedback Survey

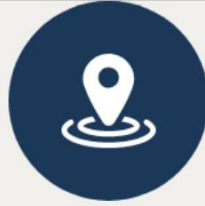


the quick guide to view the full roadmap for recruitment and retention activities.



View Indiana Survey Results

Explore volunteer firefighter survey results from your district or county.



View Map of Potential Recruitment

View locations identified in the survey to target recruitment activities.



Explore Community

Compare volunteer firefighter profiles to community demographics to expand



Access Recruitment Strategies

Review successful recruitment strategies and advice from other recruiters throughout



More Resources

Explore more resources for recruitment and retention strategies.

The GIS Volunteer Firefighter Recruitment & Retention Toolkit is part of the IAFC's Workforce Solutions Recruitment and Retention contract with the Indiana Fire Chiefs Association (IFCA) and thanks to the participation of the departments across Indiana. The overall goal of the contract is to increase the number of volunteer firefighters through effective statewide recruitment and retention efforts. This toolkit will allow volunteer fire departments in Indiana to:

- View volunteer firefighter characteristics profiles for each district
- Locate target demographics and points of interest within their community
- Access recruitment and retention strategies to build plans based on the unique demographics of their community and volunteer firefighters



Indiana FEMA SAFER Grant History

Indiana Fire Chiefs Association (IFCA) was awarded a FY18 SAFER grant for recruitment and retention of volunteer firefighters.

FY18 SAFER performance period began in January of 2020. March 2020, COVID hits and everything closes. The grant continued to find new ways to adapt.

Tapestry Reports were complete for the 11 Indiana pilot departments.

- **Lesson learned – The hard copy tapestry reports were not useful to the Indiana pilot departments.**

Phase 2 - FY21 FEMA SAFER grant was awarded to the IFCA.

GIS Toolkit was introduced to replace the tapestry report.



Lessons Learned from North Carolina

GIS Toolkit Kick-off

- Launch the entire toolkit at one time.

Utilize the Public Relations Group to assist with the kick-off.

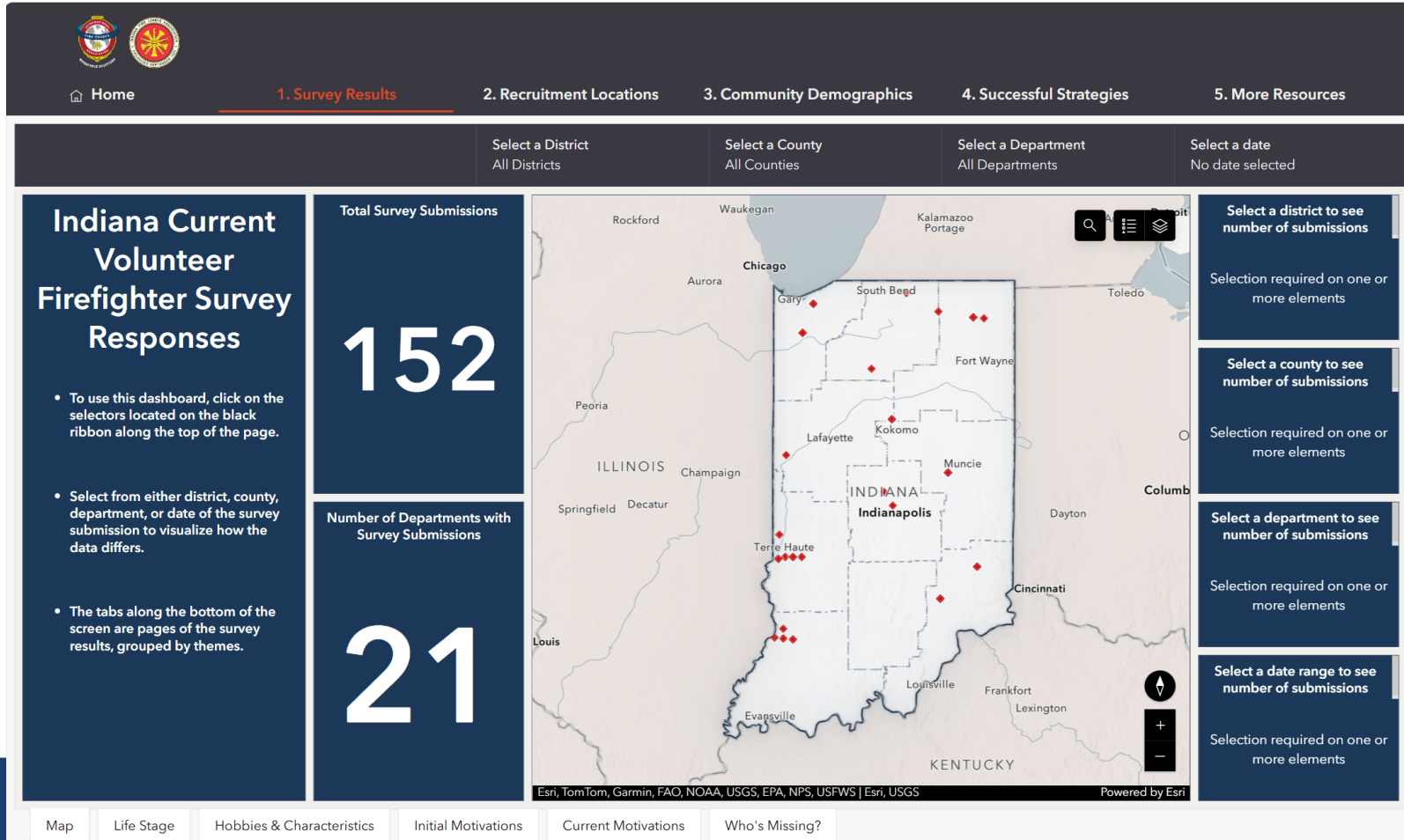
- Indiana will have the GIS kick-off at the Indiana Emergency Response Conference (IERC).
- Several marketing materials were developed for the kick-off.
- Press Release / Press Conference with local news media.
- Press Release distributed to local media outlets throughout Indiana.



Survey Results



SCAN ME



Survey Results – Life Stage



Home

1. Survey Results

2. Recruitment Locations

3. Community Demographics

4. Successful Strategies

5. More Resources

Life Stage

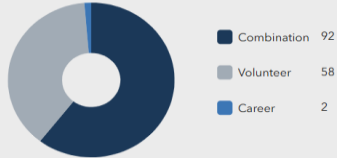
Indiana Current Volunteer Firefighter Survey Responses

Select a District
All Districts

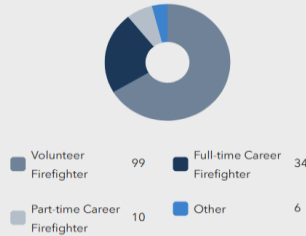
Select a County
All Counties

Select a Department
All Departments

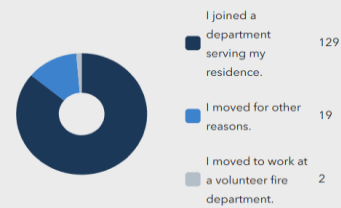
Agency Type



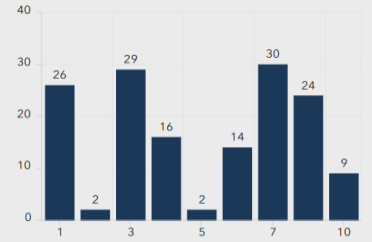
Firefighter Type



When you initially joined the fire service...



Which district of Indiana is your fire department located in?



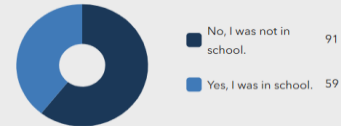
Age

No data

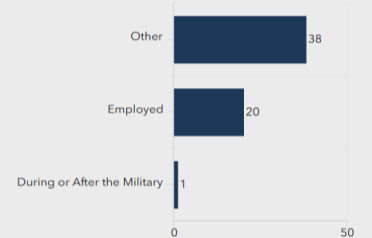
Current Student Status

No data

Were you in school when you initially became involved with the fire service?



Which life stage were you in when you joined the fire service?



Map

Life Stage

Hobbies & Characteristics

Initial Motivations

Current Motivations

Who's Missing?



Community Demographics



Home

1. Survey Results

2. Recruitment Locations

3. Community Demographics

4. Successful Strategies

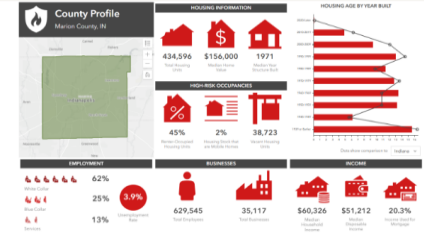
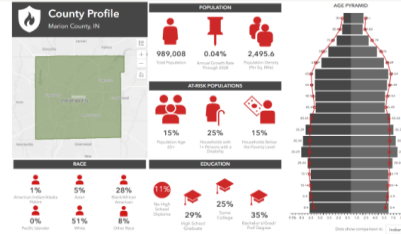
5. More Resources

Method 1: Download Infographic

Download County Profile

This County Profile includes two pages of statistics about race, education, employment, etc.

After clicking the County Infographics button above, **Select** your county. Click **Download**. Then **Open** the file in your Downloads folder on your computer.



Method 2: Visualize demographic data on the map

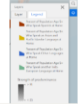
Zoom in to your Fire Department's Response Area or type the name in the search field by clicking on the magnifying glass symbol.



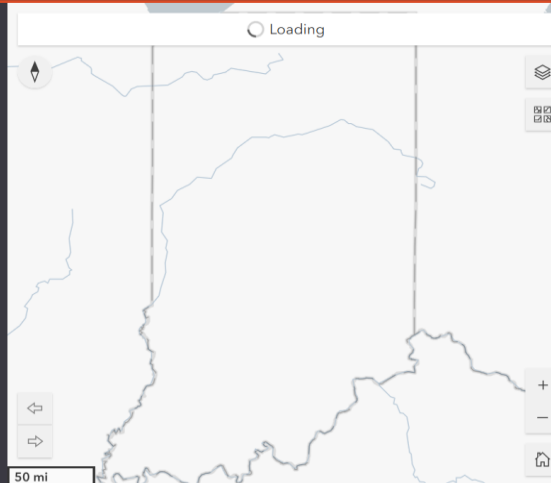
Look at the demographic options by clicking the **layer symbol**. Then **turn on or off** the layer by clicking the eyeball symbol.



Click the **Legend** tab, still under the Layers symbol. Look at the **Legend** to see what each color represents. The darker colors represent higher percentages.



After reviewing the layers, **consider how this demographic data differs from your fire department**. For example, which language, other than English, is most commonly spoke at home? This data can encourage your fire department to create recruitment materials in that language.



- ☐ Children Under 6, Father Only in Labor Force
- ☐ Disconnected Youth Percentage (Age 16 - 19, not in school & not in labor force)
- ☐ Education Level is Less than High School (25 Years and Older) PercentageTract
- ☐ Female Population Percentage
- ☐ Foreign Born Population Percentage
- ☐ Homeownership Rate
- ☐ Households with no Vehicle Percentage
- ☐ Labor Force Participation by Age
- ☐ Language Spoken at Home, Other than English
- ☐ Male Population Percentage
- ☐ Median Age
- ☐ Median Household Income





Florida First Responder Mental Wellness Team Survey

Select an Event
Hurricane Helene

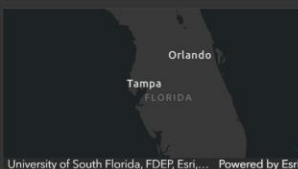
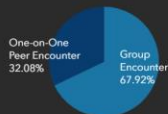
Total # of Surveys

166

Peer Provider vs Licensed Clinician



Peer One-on-One Encounter or Group Encounter:



Peer Encounters: Total Number of Individuals Interacted

1.6k

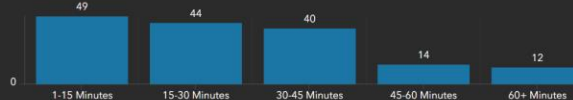
of Palm Cards Distributed
Total as of 9/30/2024 at 1700

448

of People Contacted at Each Station
Total as of 9/30/2024 at 1700

204

Total time spent at peer encounter:



of Times Palm Cards Were Distributed:

79

Number of Stations Visited

81

Referrals to higher level of care:

2

Total # of Clinical Encounters:

7

Additional resources needed:

3

Outcome successfully resolved:

7

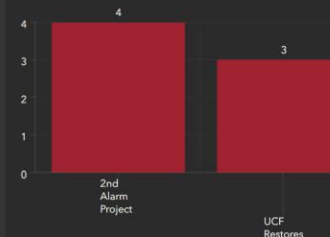
In-Person vs Telehealth



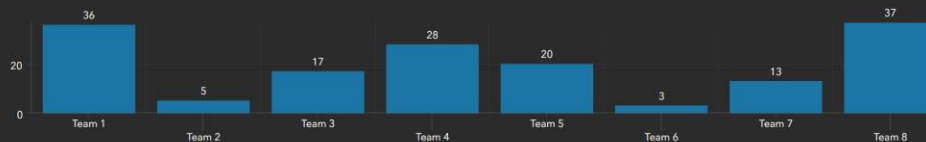
In-Person: Group vs One-on-One Session:



Clinical Teams/Projects



Peer Provider Teams





Florida Emergency Services Facility Evaluation Dashboard

Select an Event
Hurricane Helene



Number of Surveys

214

Engines Lost

1

Rescues Lost

0

Ladders Lost

0

Support Vehicles Lost

1

Needs Emergent Follow-Up

- North River Fire District
- Treasure Island Fire Rescue
- Tampa Fire Rescue
- Pinellas Suncoast Fire & Rescue District

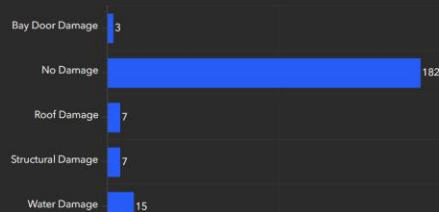
Needs Follow-Up

- Taylor County Fire Rescue
- Hamburg Lovett Volunteer Fire Department
- Taylor County Fire Rescue
- Taylor County Fire Rescue
- Parrish Fire District
- Plant City Fire Rescue
- Cedar Key Fire Rescue
- Hillsborough County Fire Rescue

No Follow-Up Needed

- Citrus County Fire Rescue
- Hernando County Fire and Emergency Services
- Citrus County Fire Rescue
- Hernando County Fire and Emergency Services
- not_listed
- Citrus County Fire Rescue
- Hernando County Fire and Emergency Services
- Hernando County Fire and Emergency Services
- Citrus County Fire Rescue
- not_listed
- International Community Fire Rescue

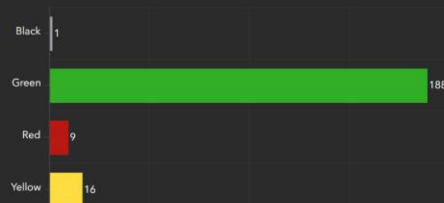
Primary Damage



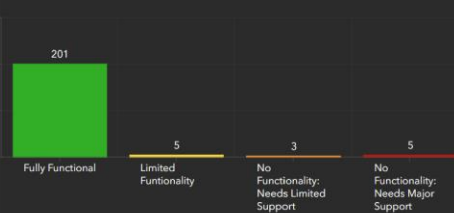
Primary Damage

Secondary Damage

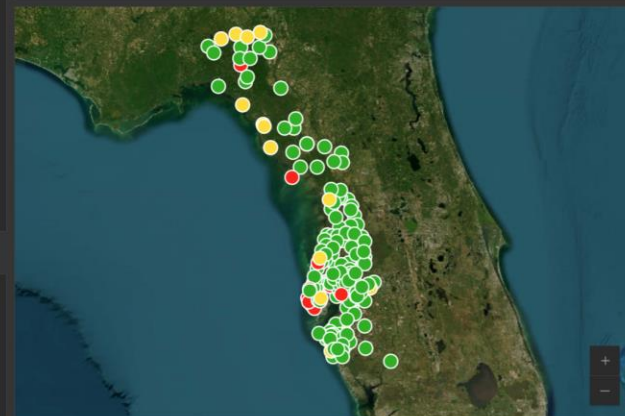
Damage Assessment



Station Functionality



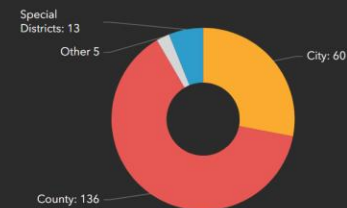
Map Symbolized by Damage Assessment Scale Colors



Earthstar Geographics

Powered by Esri

Owner Type



Owner Type

Facility Type





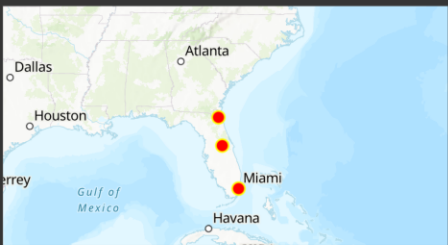
All Submissions

Address: Orlando, FL, USA
Weatherhead intact: Yes
Meter and can intact: Yes
Water Damage concern: Yes

Address: Miami, FL, USA
Weatherhead intact: No
Meter and can intact: No
Water Damage concern: No

Address: Jacksonville, FL, USA
Weatherhead intact: Yes
Meter and can intact: No
Water Damage concern: Yes

Map shows all submissions regardless of answers.
Click a point to view survey answers.



Esri, USGS | Esri, TomTom, Garmin, FAO, NOAA... Powered by Esri

Is the electrical weatherhead intact?



ATTENTION!

Electrical Weatherhead NOT Entact

Address: Miami, FL, USA

Is the electrical meter and can intact?



ATTENTION!

Electrical Meter & Can NOT Entact

Address: Miami, FL, USA

Address: Jacksonville, FL, USA

Water damage at or above wall electrical outlet(s)?



ATTENTION!

Water Damage At or Above Outlets

Address: Orlando, FL, USA

Address: Jacksonville, FL, USA





Today's fire service is making more and more data-driven decisions. The collection and analysis of data to make these decisions have become a new field in the fire service organization. To support these emerging needs, the IAFC is standing up FireDAWG (the Fire Data Analysis Working Group)!

Background

The fire service is not just putting out flames; it's **embracing a data-driven revolution**. Fire and emergency service organizations are generating and analyzing more information than ever before, empowering **smarter preventative measures, faster response times, and ultimately, saved lives and property**.

However, a critical missing piece exists: **standardization**. With the Fire Data Analyst role rapidly evolving, fire departments lack consistent guidelines and training pathways. Enter the Fire Data Analysis Working Group (FireDAWG), your opportunity to be at the forefront of this transformative wave.



Fire Data Analysis Working Group Homepage

Join the Vision, Shape the Future:

The FDAWG isn't just a working group; it's a **catalyst for change**. Imagine a future where:

- **Data analysts are seamlessly integrated** into every fire department, driving informed decision-making.
- **Leaders confidently leverage data** to optimize resource allocation, enhance training, and prevent fires.
- **Firefighters benefit from data-driven insights** that keep them safer and more effective.

This is your chance to be a part of it.

- **Shape the future of fire data analysis** by influencing industry standards and best practices.
- **Gain access to a valuable network** of influential fire service leaders and decision-makers.

Don't be a spectator. Become a driving force. Join FireDAWG and help rewrite the story of fire service success, one data point at a time.



 **2024 FireDAWG Innovation Forums and Labs** 

Igniting the Future of Fire Data Analysis

Accelerate data-driven innovation in the fire service and empower stakeholders to leverage data for safer communities.

For details on our 2024 Workshop Series, please visit our [2024 Homepage](#).

2 Full-Day Innovation Forums

Dive deep into critical fire data challenges, collaborate with diverse stakeholders, and spark groundbreaking ideas that will revolutionize fire safety through data-driven solutions.

- In-Person Innovation Forum @ Fire-Rescue International
- In-Person Innovation Forum @ Technology Summit International

2 - ½ Day Innovation Labs

Focus on specific areas like wildfire and community risk reduction, explore cutting-edge data analysis techniques, and forge powerful collaborations to develop actionable solutions for a safer future.

- In-Person Innovation Lab @ Wildland-Urban Interface Conference
- In-Person Innovation Lab @ Community Risk Reduction Leadership Conference (*tentatively planned*)



FireDAWG Innovation Forum @ Technology Summit International (TSI)

Fire Data Revolution: From Insights To Action



Register today!



Data Visualization and
Storytelling:

Predictive Analysis:

Machine
Learning and AI:

December 3, 2024
@ TSI

8:00 AM - 5:00 PM

TECHNOLOGY SUMMIT
INTERNATIONAL



Registration required! Space is limited!

<https://iafc.org/tsi>



www.iafc.org

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National Strategy for GIS-based Resource Management of Specialized Teams & Fire Data Analysis



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704-619-2714

