ArcGIS for Emergency Management

Ryan Lanclos
Jeff Baranyi
Our users are our highest priority.

We understand our customers’ challenges.

We’re committed to improving our products.
Create a partnership.

Involve you in our solution development.

Listen to your honest feedback.

Innovate.
What we do
Develop GIS software
ArcGIS is a Platform

- Online
- Server

Apps
- Web
- Field

Infrastructure

Content
ArcGIS is a Platform
Proving powerful capabilities

ArcGIS Platform

- Data Creation
- Data Management
- Visualization
- Analysis
- Collaboration
- Content
Focused apps for everyone
Transforms business
EM Focused apps

ArcGIS Platform

Preparedness
- Data Creation
- Content
- Collaboration

Response
- Data Management
- Content
- Collaboration

Recovery
- Analysis
- Collaboration
- Data Management

Mitigation
- Visualization
- Collaboration
- Data Management

Command
- Operations
- Collaboration
- Data Management

Operations
- Collaboration
- Data Management

Planning
- Command
- ESFs
- Data Management

Public Information
- Recovery
- Data Management
- Collaboration

ESFs
- Recovery
- Data Management
- Collaboration

Damage Assessment
- Recovery
- Data Management
- Collaboration

Esri Apps
- Partner Apps
- User Apps
Are we **prepared**?

Where are we **vulnerable**?

Can we support damage **assessment**?

What is the current **situation**?

What are our **partners** doing?

Are we talking to the **public**?

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**Emergency Management**  |  Complex mission
Common Requirements

- Role Based Situational Awareness
- Damage Assessment
- Search and Rescue
- Flood Planning
- Briefings
- Special Event Planning
- Hazard Analysis
- Social Media Integration
- Crowdsourcing

Deliver focused apps
• Flexible & scalable GIS platform
• Secure repository of data
• Mission specific apps and templates
• Supporting information flow across organization(s)
• Global Response
• Corporate Citizenship
• ArcGIS for EM Solution Update
• Emerging Trends: Hurricane Sandy
• ArcGIS Online Best Practices
ArcGIS for EM Update

Jeff Baranyi
Definition of Emergency Management

*Emergency management is the managerial function charged with creating the framework within which communities reduce vulnerability to hazards and cope with disasters.*
ArcGIS for Emergency Management
Supporting the Emergency Management Mission

Incident
Command

EOC(s)
(Local/State/National)

Role-based
COP

Public

Feeds

Weather

ArcGIS

Resources

Traffic
Rev 1.0 of AGOL Model Organization – EM

- Standard groups and information products
  - Incident Command System (ICS)
  - Emergency Support Functions (ESF)
  - Steady state, day-to-day
- Revisit / update symbology and data model
- Internationalize
- Lay the foundation for integrating ArcGIS Online applications
Search Results

Show

- Only search in ArcGIS for Emergency Management

Related Searches

Find items related to "ICS"

Find items published by Esri related to "ICS"

7 results

Finance Section
The Finance / Administration Section group is responsible for supporting the financial and administrative services needs of the incident.
created by jbarany@EM on February 19, 2013

Command
The Command group is responsible for overall coordination and operation of an incident.
created by ICEM on February 5, 2013

Logistics Section
The Logistics Section group is responsible for coordinating all of the support needs for an incident.
created by LogisticsEM on February 5, 2013

Operations Section
The Operations Section group is responsible for managing efforts to reduce the impacts of a current hazard.
created by OperationsEM on February 5, 2013

Planning Section
Planning Section
created by PlanningEM on February 5, 2013

More Information

What types of items can I find here?

Advanced search options

Finding layer packages and other ArcGIS desktop content.
Search Results

Show
- Only search in ArcGIS for Emergency Management

Related Searches
- Find items related to "ESF"
- Find items published by Esri related to "ESF"

17 results

<table>
<thead>
<tr>
<th>Relevance</th>
<th>Title</th>
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<th>Date</th>
<th>Details</th>
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<td></td>
<td>ESF #1 - Transportation</td>
<td></td>
<td>February 5, 2013</td>
<td></td>
</tr>
<tr>
<td></td>
<td>ESF #10 - Oil and Hazardous Materials Response</td>
<td></td>
<td>February 5, 2013</td>
<td></td>
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<td>ESF #2 - Communication</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>ESF #15 - External Affairs</td>
<td></td>
<td>February 5, 2013</td>
<td></td>
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<td>ESF #11 - Agriculture and Natural Resources</td>
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<td>ESF #12 - Energy</td>
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</tbody>
</table>

More Information
- What types of items can I find here?
- Advanced search options
- Finding layer packages and other ArcGIS desktop content.
My Groups

You are a member of 47 groups

All My Groups
- Owned by Me
- Owned by Others
- With New Membership Requests

2012 Hurricane Sandy
- This group will be used to monitor Hurricane Activity in 2012 and share maps, apps, and data.
- created by mharlowDRP on January 3, 2013

2012 Minnesota Floods (June 20th)
- Major flooding in Northeastern Minnesota has caused devastating damage.
- created by PDohertyDRP on June 27, 2012

2012 Ohio Valley / Mid-Atlantic Severe Weather
- A Group to support Esri users and highlight their maps for those affected by the 2012 North American derecho event.
- created by PDohertyDRP on July 3, 2012

2013 Brisbane Summer Flooding
- This ArcGIS Online Group was created to support the 2013 Brisbane Flood Response and Relief Efforts.
- created by PDohertyDRP on January 27, 2013

7.7 New Madrid Earthquake
- An ArcGIS Online group to support the response to the 7.7 New Madrid Earthquake
- created by thearcmapFM on February 5, 2013

Find...
- The organization's groups
- The organization's groups that are public

Featured Groups
- Esri Maps and Data
- Community Basemaps
- Landsat Community
- Web Application Templates
- ArcGIS for Local Government
- Live Feeds
- Planning and Preparedness
Information Model
Contained within the Local Government Information Model

- **Purpose** – provide the data container for collecting and exchanging operational information (based on national standards where possible)
- **Template** - [http://esriurl.com/EEMDataModel](http://esriurl.com/EEMDataModel)
Common Operational Picture
Based on the ArcGIS Viewer for Flex 3.0 & ArcGIS 10.1

• Purpose – Provide the basemaps, operational layers and tools to maintain Situational Awareness before, during and after an incident
• Template – http://esriurl.com/EMCOP
• Try it Live – http://esriurl.com/TryEMCOP
• 10 Steps to Configure for your Organization - http://esriurl.com/COP10steps
Final release of Flex-based COP

- Upgrade to the ArcGIS Viewer for Flex 3.1
- Integrate new EM Widgets
  - Find Closest Resource (based on NEMA EMACS work)
  - Social Media
  - Ushahidi
  - Dynamic Legend
  - Updated Live Layer Report by Exception (RBE)
  - Key Performance Indicators (KPI)
  - Dynamic Legend
- Synchronize with National Guard Patriot Viewer
Ushahidi
AccuWeather SkyGuard Services

- Custom, specific alerts and notifications
  - Proactive monitoring
- ArcGIS Ready content
  - Warnings – high wind, flash flooding, snow, ice, etc.
  - Weather radar
  - Lightning
- Variety of messaging formats
ArcGIS Viewer for Flex
Rev 1.0 of next generation COP

- First release of Operations Dashboard COP template
- Port Flex Widgets to Operations Dashboard widgets
  - Emergency Response Guide
  - Find Closet Resource
  - Others TBD
- Port Flex Widgets to GeoEvents Server
  - Social Media
  - Report by Exception
  - Others TBD
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<th>To</th>
<th>Field Type</th>
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<td>Debris Removal Support Package</td>
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<td>23.0 minutes</td>
<td>14.2 miles</td>
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<tr>
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<td>25.9 miles</td>
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<td>29.0 miles</td>
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<td>Debris Removal Support Package</td>
<td>4</td>
<td>50.5 minutes</td>
<td>35.2 miles</td>
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</table>
ArcGIS GeoEvent Processor for Server
Enabling Real-Time GIS

- Integrates and exploits streaming data
  - receive real-time streaming data
  - perform continuous processing and analysis on streaming data
  - sends resulting output events to destinations
ArcGIS GeoEvent Processor for Server
Pre-wired for Social Data (ArcGIS Social Template)
ArcGIS GeoEvent Processor for Server
Next steps from the ArcGIS for Emergency Management perspective

- Port “Report by Exception” functionality
- Port part of our Aggregated Live Feeds Methodology
- Explore other Emergency Management Adapter types
  - GeoRSS
  - CAD/911
  - Others TBD
Damage Assessment Mobile Project

- Streamline the damage assessment process after an incident to expedite the recovery
- Template - http://esriurl.com/EMDamageAssessment
What’s new in the Damage Assessment Template?

- What’s new blog - http://esriurl.com/EMDAWhatsNew
- Add forms for:
  - Individual Assistance – Home
  - Individual Assistance – Business
  - Public Assistance
- Including a reporting tool that will let you export a Microsoft Excel Spreadsheet of the results
  - Implemented via a Geoprocessing service
Rev 1.0 of next generation Damage Assessment

- Leverage Collector application
- Leverage Offline capabilities
Public Information Map – Hurricane Sandy
PIM is now an AGOL Web Application Template
Citizen Service Request
Citizen Service Request Template

- **Purpose** – to mobilize the public to report key pieces of information before, during and after an incident (damage, block roads, observations, etc.)
- **Template** – [http://esriurl.com/EMCitizenRequest101](http://esriurl.com/EMCitizenRequest101)

Hamilton County, TN

City of Nashville

*Getting information from and to the Public*
Public Information Officer (PIO) Maps

• Incorporate lessons learned from the Esri Disaster Response program
  - Sandy Swipe Map
  - Public Information Map is now the Social Media template
  - Other typical “news media” application

• Will work with Public Information Officers
My Government Services – Adapted for EM
• Purpose – to provide the data container and symbology for standard for special events (parades, races, large celebrations, sporting events, etc.) for the purposes of creating standard map product and enabling sharing of the data

• Template - [http://esriurl.com/EMSpecialEvents101](http://esriurl.com/EMSpecialEvents101)
Purpose – Provide the editing workflows and tools to analyze the impact of seasonal flooding scenarios and develop flood response plans

Template - [http://esriurl.com/EMFloodPlanning101](http://esriurl.com/EMFloodPlanning101)
Maps

- Purpose – provide example standard ICS map products (i.e. hard copy maps) such as Incident Action Plan Map, Briefing Map and Hazard Map based on the GIS Standard Operating Procedures on Incidents (GSTOP)


Aggregated Live Feeds

• Purpose – synchronize frequently changing file-based data with the geodatabase so it can be served via ArcGIS Server to a variety of clients to enhance Situational Awareness

• Delivered as part of the Public Safety COP template

• ArcGIS.com group - http://www.arcgis.com/home/group.html?owner=Esri_Technical_Marketing&title=Aggregated%20Live%20Feed%20Community&content=all
ArcGIS for Emergency Management Components

- Information Model
- Applications
  - Common Operational Picture Web App
  - Damage Assessment Mobile Project
  - Citizen Service Request (VGI) Web App
  - Public Information Map Web App
  - Special Event Planning Desktop Tools
  - Flood Planning Desktop Tools
- Utilities
  - Hardcopy Map Templates and Tools
  - Data Aggregation Utilities
- Documentation, White Papers, Case Studies, Blogs, Videos, Live Training Seminar, Twitter, . . .
Plans for 2013 – Synched with the 10.2 release

- Rev 1.0 of AGOL Model Organization – Emergency Management
  - Common Emergency Management Maps and Symbols
- Final release of Flex-based COP
  - Synced with National Guard Patriot Viewer
- Rev 1.0 of next generation COP
  - Will leverage ArcGIS Operations Dashboard and GeoEvent Server
- Rev 1.0 of next generation Damage Assessment
  - Will leverage ArcGIS Collector application
- Public Information Officer (PIO) maps
  - Based on ArcGIS Online web applications
- My Government Services – Adapted for hazards in a community
  - Increase the awareness of the public of the hazards they face
Summary

• Our Goals
  - Deliver a “emergency management GIS” that enables your success
  - Evolve and grow the collection of apps
  - Provide a platform for partners to deploy their solutions

• We want participation and involvement
  - Download the maps and apps
  - Provide feedback on existing content
    - Comments
    - E-mails
    - Meet with us at the FedGIS, UC, other events
  - Identify opportunities for new content
    - Working together
When Disaster Strikes

Common Requests...

• Data support

• Situational awareness / Public Engagement

• Damage Assessment
Key Trends During Hurricane Sandy

- Collaboration and Information Sharing
- Delivering Focused Maps and Apps
- Social Media and the Crowd
- Storytelling with Maps
Collaboration & Information Sharing
FEMA GeoPlatform
Providing geospatial data and analytics in support of emergency management

Advisory Base Flood Elevations Map
FEMA MOTF-Hurricane Sandy Impact Analysis
Food Distribution & Availability
NFIP Flood Insurance Policies In Sandy

FEMA is a partner of the FGDC’s National Geospatial Platform Visit: www.geoplatform.gov

Make a Map »
Create a map that can be viewed in a browser, desktop or mobile device. Share it on a blog, via email, or embed it in a website.

ArcGIS Online for Developers »
Build custom web and mobile applications that incorporate your maps and data.
Delivering Focused Maps & Apps
Hurricane Shelter Map

Use the following map to identify emergency shelters in your jurisdiction and areas that are currently under mandatory evacuation.
City of Baltimore: Storm Maps is a collection of storm related web maps for the community of City of Baltimore. Find out more about Storm related events in the City of Baltimore by viewing the gallery below.

EGIS Maps
For more maps, web map applications, and GIS data visit the City of Baltimore EGIS Website, Open Baltimore, or CityView.

Also, you can stay up to date by following us on Facebook and Twitter.

Email us for additional maps and comments: gis@baltimorecity.gov
Hurricane Sandy storm tracker and forecast maps

Jump to: Storm Tracker | Surge | Evacuation Zones | Resources | Webcams

Storm Tracker

Track the very latest hurricane models, weather maps and storm surge forecasts. Powered by National Hurricane Center (NOAA) and Telvent.
Social Media & the Crowd
In addition to official damage survey efforts, the State of Rhode Island is soliciting help in reporting precise geographic locations of all storm-related structural damage.

This website does not link to relief efforts or emergency services for our citizens. Those in need of Disaster Assistance can register with FEMA at http://www.disasterassistance.gov or by calling 800-621-FEMA (3362).

- If you have a life-threatening situation, please contact your emergency service provider.
- If you haven’t already, contact your local emergency service provider.

120 Houston Ave, Narragansett
Use GPS Use Map
Accuracy: 500 meters

Damage - select all that apply
- Major Structural Damage: NO
- Minor Structural Damage: YES
- Debris blocking road: YES
- Downed Power Lines: NO
- Fuel Spillage: NO
- Broken Gas Line: NO

Thank you, your request has been submitted.
If you would like follow-up correspondence, please provide your name, phone number or email address:

Full Name: Enter full name
Phone Number: Enter phone number
Email Address: Enter email address

Request follow-up
Uploading of pictures can take several
Debris Cleanup Map

You can use the wheel on your mouse or the plus and minus signs on the map to zoom in and out. You can pan the map by left clicking and holding the left mouse button down and then moving the mouse in the direction you want to pan the map. You can use the search feature on the map to find an address. Enter the street address, city, state, and zip code (ex. 123 Anytown Ln., 11745).

Blue shaded areas are the incorporated villages (they do their own debris cleaning) and the green lines on the roads represent streets that we have done the first debris cleaning on. We hope to update this map every two days. These maps are created using cached tiles so you may need to clear the cache in your browser in order to see an updated map. We would like to thank ESRI, Inc. for their invaluable support of this effort.

Map updated 11-09-12 at 8:30 am. Next expected update will be in the area on 10-1-12.
Storytelling with Maps
Top Ten most damaging U.S. hurricanes of all time

What were the worst hurricanes ever? What would happen if they hit today? A NOAA study examined these questions, and came up with this rogue's gallery of mega-storms.

The Great Miami Hurricane - 1926

Most damaging hurricane

Category: 4
Damage in 1926: $105 million
Estimated damage today: $157 billion
Deaths: 372

The Great Miami Hurricane was a category 4 storm when it struck Miami on September 18th of 1926, virtually destroying the city. Storm tides in Miami ranged from 7.5 to 11.7 feet. At Miami Beach the tides ranged from 10.6 feet on the ocean side and 6.4 feet on the bay side. The hurricane also caused significant damage in the Florida panhandle, Alabama, and the Bahamas. Deaths from the hurricane totaled 372, with damage estimated at $105 million.

What would happen if this storm hit today? The National Oceanic and Atmospheric Administration has rated the Great Miami storm as the most damaging U.S. Atlantic hurricane of all time. If an identical storm
Check Your Home

Instructions: If you are unable to access your home, enter your address below and click locate. The map will zoom to the address entered and show any post-Sandy aerial imagery available.

The green dots are Civil Air Patrol aerial images. Click on them to see the available picture, click on the photo to enlarge.

New images are being added as they become available.

Caution: Images may be slow to load and may be unavailable for brief periods as additional images are added.

Address:
Liberty Island, NY

Locate

Post Sandy Image Transparency

Aerial Images

World Imagery

Low Resolution 15m Imagery

High Resolution 60cm Imagery

Aerial Images

Aerial Images

World Imagery

Zoom to
Esri Impact Map for Superstorm Sandy

A collection of dynamic maps showing impacted counties provided by FEMA with Esri demographic data. Select a demographic map using the tabs. Click any county to view demographic information.

Local Impact & Population Older Than 64

Click the map to see which percentage of the population is over 64 years old and explore age breakdowns in the affected area.

For more information about this data click here.

LEGEND

Impact Analysis
Impact Area
- Very High
- High
- Moderate
- Low
Lessons Learned

• Focus on preparedness
  - Create template maps and apps
  - Align them to the mission
  - Leverage the free templates
    - esriurl.com/publicsafetyresources

• Be specific and focused in your maps and apps
  - What questions are you answering?
  - Who is the audience?
  - Where will they access the map or app?

• What data do you need to make them work?
• Brand your organization's authoritative content
10 Steps to Configure an ArcGIS Online Organization Subscription for Emergency Management

1. Configure Portal
2. Create groups
3. Add useful content
4. Create useful information products
5. Invite Users
6. Leverage Web Applications
7. Publish Feature Services
8. Host tile packages
9. Create Briefings
10. Use new Apps
Step #1 – Configure Portal ("Brand" your Org)
The Featured Content is driven from a group
Also see the FEMA GeoPortal http://fema.maps.arcgis.com/home/

GIS is used in many phases of disaster management, starting with planning before an event happens. Disaster relief involves the response phase of disaster management. GIS and GIS professionals can assist immediately by helping decision makers understand the scope of the damage and identify locations where people may be trapped or injured or require medical support and rescue. Analyzing critical infrastructure (facilities essential for the operation and sustainability of health services, food services, and government operations) that is or could be damaged or destroyed is essential to restoring vital services and government operations.

For many years Esri has provided assistance in the wake of disasters throughout the world. The support comes in many forms including software, data, hardware and people. Not only is it about Corporate Citizenship and helping our users but it gets to the very essence of Esri-making the world a better place through geography. We know that maps and Geographic Information System (GIS) technology can make a difference in saving lives, reducing impact, and expediting restoration. The mission of the Esri Disaster Response Program is to support our users, our partners, and Esri personnel who respond to disasters worldwide.
GISCorps (www.giscorps.org) coordinates short term, volunteer GIS services to underprivileged communities worldwide. Our services support humanitarian relief, community development, local capacity building, health and education.

Make a Map »
Create a map that can be viewed in a browser, desktop or mobile device. Share it on a blog, via email, or embed it in a website.

ArcGIS Online for Developers »
Build custom web and mobile applications that incorporate your maps and data.
The right information, at the right time, for the right people

About Virtual USA

In an emergency, reliable information is a decision maker's most important asset. Virtual USA enables data users, owners, and custodians to more quickly find, share, and analyze data—allowing them to make better decisions based on more complete information.

The Virtual USA portal provides the data pipeline that allows partners to share critical information between geospatial viewers. The success of Virtual USA rests not only on technical capabilities, but on existing data sources.
Configure Settings
Step #2 - Create groups
Incident Command System
Incident Command System (ICS) Groups

- Command
- Operations
- Planning
- Logistics
- Finance
Emergency Support Functions

- ESF1 Transportation
- ESF2 Communications
- ESF3 Public Works and Engineering
- ESF4 Firefighting
- ESF5 Emergency Management
- ESF6 Mass Care, Housing, and Human Services
- ESF7 Resources Support
- ESF8 Public Health and Medical Services
- ESF9 Urban Search and Rescue
- ESF10 Oil and Hazardous Materials Response
- ESF11 Agriculture and Natural Resources
- ESF12 Energy
- ESF13 Public Safety and Security
- ESF14 Long-term Community Recovery and Mitigation
- ESF15 External Affairs
ESF Groups

- ESF1 – Transportation
- ESF 2 - Communications
- ESF 3 – Public Works and Engineering
- ESF 4 – Firefighting
- ESF 5 – Emergency Management
- ESF 6 – Mass Care
- ESF 7 – Resources Support
- ESF 8 – Public Health
- ESF 9 – Urban Search and Rescue
- ESF 10 – HAZMAT Response
- ESF 11 – Agriculture and Natural Resources
- ESF 12 – Energy
- ESF 13 – Public Safety
- ESF 14 – Long-term Recovery
- ESF 15 – External Affairs
Daily EM Groups

- Preparedness
- Mitigation
- Response (Operations)
- Recovery
- The Director’s Office
- Public Information
- Finance and Administration
Event / Incident / Project based groups
Step #3 - Organize useful content
Step #4 - Create useful information products
Power Outage Status
Step #5 – Invite users

 Invite Users

Enter a name or keyword to find users based on their profile.

Baranyi

[ ] Only search for members in Esri’s Disaster Response Program

Click a name to invite.

Users

- Jeff Baranyi (jbaranyiUN)
- Jeff Baranyi (jeffbaranyi)
- Jeff Baranyi (JeffbaranyiUN)
- Jeff Baranyi (jbaranyi_NYCOEM)
- Jeff Baranyi (jbaranyiDRP)
- Jeff Baranyi (jbaranyi)
- Jeff Baranyi (jbaranyi_duluth)
- Jeff Baranyi (jbaranyi)

Click a name to remove.

Invitation List

[ ] Add members of the organization immediately, without requiring confirmation

Send Invitation  Cancel
Step#6 – Leverage Web Applications
Map Template Example – North Dakota Flooding
Taylor Bridge Fire Example
Esri Impact Map for Superstorm Sandy

A collection of dynamic maps showing impacted counties provided by FEMA with Esri demographic data. Select a demographic map using the tabs. Click any county to view demographic information.

Local Impact & Population Older Than 64

Click the map to see which percentage of the population is over 64 years old and explore age breakdowns in the affected area.

For more information about this data click here.

Legend

Impact Analysis
Impact Area
Very High
High
Moderate
Low

Population Older than Age 64

2010 Population, Age 65-69 Years: 85,334
Embed in blogs
City of Duluth, MN

- Experienced significant flooding
- City needed help getting information out to the public
- They made a request through the Disaster Response Program for an ArcGIS Online for Organization account
- The Esri Minneapolis Office helped them stand this up
- Also invoked our program with GeoEye to provide post-event imagery
They Shared this info with the public
Embedded ArcGIS Online Maps in their homepage
Road Status
Flood Inundation Areas
Damaged Infrastructure Status

Site 388 has experienced infrastructure damage and has a status of **Under Review**.

- Damage Report: Pavement: No, Water: No, Sanitary Sewer: No, Storm Sewer: Yes, Natural Gas: No, Fiber: No
- Attachments: No attachments found

Zoom to
Step# 7 – Publish Feature Services
Step #8 – Host tile packages
Use in the Atlas template
Step #9 – Create briefings
Step #10 – Use new Apps

- Operations Dashboard for ArcGIS
- Collector
Resources

• Quick Start Guide to ArcGIS Online

• Live Training Seminar - ArcGIS Online Subscriptions: Mapping and GIS for Organizations

• UC 2012 Tech Workshop Video -
  http://video.esri.com/watch/1660/arcgis-online-for-organizations

• Extend the Reach of Your GIS Seminar Series

• ArcGIS Online Help -
Wednesday Closing Session

Closing and Hosted Lunch

11:30 AM–1:30 PM

• Ballrooms A–C, Third Level
• Join conference attendees for lunch and closing session
• Closing Speaker Todd Park, U.S. CTO
• Wrap-up and request for feedback with Jack Dangermond.
<table>
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<tr>
<th>Date</th>
<th>Event</th>
<th>Location</th>
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<tr>
<td>March 21, 2013</td>
<td><strong>Esri DC Meet Up – Big Data &amp; Location Analytics</strong></td>
<td>Washington, DC</td>
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<tr>
<td>April 18, 2013</td>
<td><strong>Esri DC Meet Up</strong></td>
<td>Washington, DC</td>
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<tr>
<td>March 23–26, 2013</td>
<td><strong>Esri Partner Conference</strong></td>
<td>Palm Springs, CA</td>
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<tr>
<td>March 25–28, 2013</td>
<td><strong>Esri Developer Summit</strong></td>
<td>Palm Springs, CA</td>
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<tr>
<td>July 6–9, 2013</td>
<td><strong>Esri National Security Summit</strong></td>
<td>San Diego, CA</td>
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<tr>
<td>July 8–12, 2013</td>
<td><strong>Esri International User Conference</strong></td>
<td>San Diego, CA</td>
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Thank You

Please complete a session evaluation form.

#FedGIS