



ArcGIS® for

Emergency Management

ArcGIS for Emergency Management

solutions.arcgis.com/emergency-management

A dramatic, stormy sky with dark, heavy clouds and a bright lightning bolt striking down in the distance. Below the sky, a landscape of green fields and distant hills is visible under the overcast conditions.

ArcGIS® for **Emergency Management**

ArcGISSM Online for
Emergency Management

ArcGIS Online for Emergency Management

ArcGIS Online Configuration

- ▶ Enable maps and apps to support your day-to-day operations and response to incidents or events.
- ▶ Create and deploy maps and apps to serve both citizens and organizational stakeholders.
- ▶ Leverage authoritative content to deliver information.

Free | Esri supported

esriurl.com/EMOnline



A map of an urban area, likely in the Denver region, showing major roads and landmarks. Several blue location pins are placed on the map, indicating specific points of interest. The pins are located near the intersection of W 70th Ave and W 76th Ave, near the intersection of W 76th Ave and W 80th Ave, near the intersection of W 76th Ave and W 80th Ave, near the intersection of W 76th Ave and W 80th Ave, near the intersection of W 76th Ave and W 80th Ave, near the intersection of W 76th Ave and W 80th Ave, near the intersection of W 76th Ave and W 80th Ave, near the intersection of W 76th Ave and W 80th Ave, near the intersection of W 76th Ave and W 80th Ave, near the intersection of W 76th Ave and W 80th Ave.

ArcGIS® for **Emergency Management**

CAMEO Tools

CAMEO Tools

ArcGIS for Desktop Tools

- ▶ Support emergency planners and responder needs.
- ▶ Utilize CAMEO results to further analyze response scenarios.
- ▶ Support regulatory and reporting compliance.

Free | Esri supported

esriurl.com/EMCameo



An aerial satellite-style map of a city area with several red warning icons (triangles with exclamation marks) placed at various locations. The map shows buildings, roads, and green spaces. The icons are scattered across the city, with a cluster in the upper right and others more isolated.

ArcGIS® for **Emergency Management**

Citizen Reports

Citizen Reports

ArcGISSM Online Web Application

- ▶ **Enable the public to submit non-emergency observations, reports and incidents.**
- ▶ **Make publicly reported information immediately available to public safety personnel.**
- ▶ **Optimize response to non-emergency public needs.**

Free | Esri supported

esriurl.com/EMCitRep





ArcGIS® for **Emergency Management**

Common Operational Picture

Common Operational Picture

ArcGISSM Online Web Application

- ▶ **Central location for Emergency Operations Staff to access maps and apps.**
- ▶ **Organize your maps and apps to maintain awareness at all times.**
- ▶ **Increase collaboration between groups in an EOC.**

Free | Esri supported

esriurl.com/EMComOp



An aerial photograph of a residential neighborhood with several orange callout boxes overlaid. The boxes contain text related to ArcGIS for Emergency Management and Community Addresses.

ArcGIS® for Emergency Management

Community Addresses

Community Addresses

ArcGIS for Desktop Tools

- ▶ **Aggregate authoritative address information.**
- ▶ **Deliver focused address maps to stakeholders.**
- ▶ **Support response, regulatory, and administrative needs.**

Free | Esri supported

esriurl.com/EMComAddress





ArcGIS® for **Emergency Management**

Community Parcels

Community Parcels

ArcGIS for Desktop Tools

- ▶ **Aggregate authoritative parcel information.**
- ▶ **Deliver focused parcel maps to stakeholders.**
- ▶ **Support valuation, response, and regulatory needs.**

Free | Esri supported

esriurl.com/EMComParcels





ArcGIS® for **Emergency
Management**

Crowdsource Manager

Crowdsource Manager

ArcGISSM Online Web Application

- ▶ Companion app to Crowdsourcing Reporter.
- ▶ Review submitted problems and observations.
- ▶ Optimize response to submittals.

Free | Esri supported

esriurl.com/EMCrowdMgr



An aerial photograph of a residential neighborhood with a grid of streets. Two red location markers are placed on the map: one on the left side near a large building complex, and another in the center-right area near a green field. The map is overlaid with orange callout boxes.

ArcGIS® for **Emergency Management**

Crowdsource Reporter

Crowdsource Reporter

ArcGISSM Online Web Application

- ▶ Enables users to submit problems or observations using any device.
- ▶ Comment and vote on submittals by other users.
- ▶ Users can anonymously submit information or be required to authenticate.

Free | Esri supported

esriurl.com/EMCrowdRep





ArcGIS® for **Emergency Management**

Damage Assessment

Damage Assessment

Collector for ArcGIS Configuration

- ▶ Collect structural damage data in connected or disconnected workflows.
- ▶ Conduct field inspections with Collector for ArcGIS.
- ▶ Generate summarized information.

Free | Esri supported

esriurl.com/EMDamAssess



An aerial satellite-style map of a city grid. Several location pins are placed on the map: a green pin with a white bird icon in the upper left, a white pin with a blue and red icon in the middle left, an orange pin with a white location icon in the upper right, and a yellow pin with a white location icon in the lower left. There are also some orange pins in the lower right. The map shows streets, buildings, and green spaces.

ArcGIS® for **Emergency Management**

Debris Reporting

Debris Reporting

ArcGISSM Online Web Application

- ▶ Enable citizens and public safety officials to report debris locations.
- ▶ Curate and respond to requests from the field.
- ▶ Access on smartphones, tablets and desktop.

Free | Esri supported

esriurl.com/EMDebRep





ArcGIS® for **Emergency Management**

Emergency Assistance

Emergency Assistance

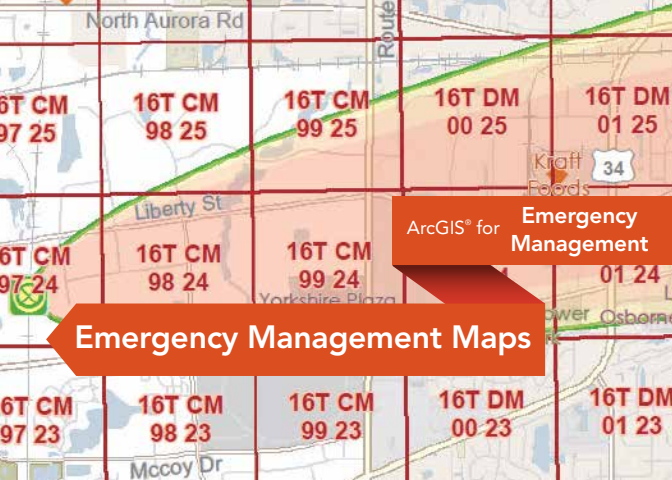
ArcGISSM Online Web Application

- ▶ **Enable citizens to register for emergency assistance.**
- ▶ **Identify vulnerable populations.**
- ▶ **Facilitate response to citizens in need.**

Free | Esri supported

esriurl.com/EMEmergAssist





Emergency Management Maps

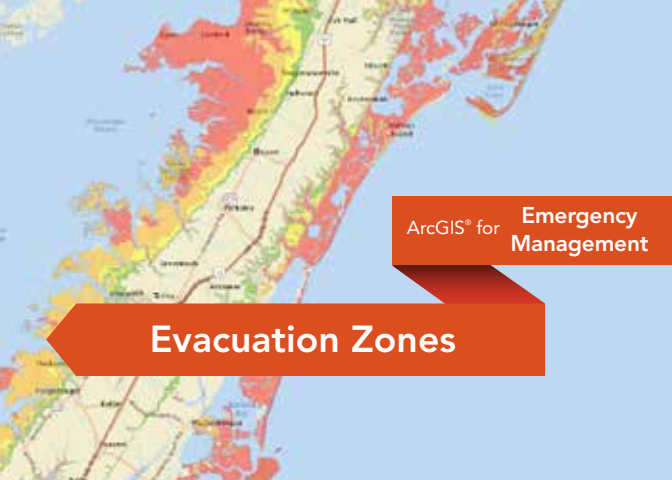
ArcGIS for Desktop Maps

- ▶ Support briefing and response activities.
- ▶ Create standard mapping and report products.
- ▶ Support planning efforts.

Free | Esri supported

esriurl.com/EMMaps





ArcGIS® for **Emergency Management**

Evacuation Zones

Evacuation Zones

ArcGISSM Online Web Application

- ▶ Identify evacuation levels within the areas.
- ▶ Enable the public to determine when evacuations are required.
- ▶ Support response needs.

Free | Esri supported

esriurl.com/EMEvacZone





ArcGIS® for **Emergency Management**

Flood Planning

Flood Planning

ArcGIS for Desktop Editing Map

- ▶ Analyze seasonal flooding scenarios.
- ▶ Identify critical infrastructure facilities.
- ▶ Mitigate potential loss.

Free | Esri supported

esriurl.com/EMFloodPlan





ArcGIS® for **Emergency Management**

Floodplain Inquiry

Floodplain Inquiry

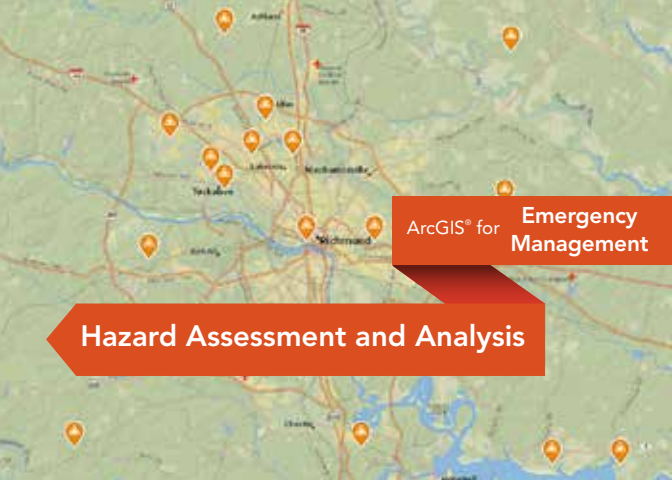
ArcGISSM Online Web Application

- ▶ Locate parcels impacted by floodplain boundaries.
- ▶ Access authoritative FEMA panel information.
- ▶ Facilitate informed decision making.

Free | Esri supported

esriurl.com/EMFloodInquiry





ArcGIS® for **Emergency
Management**

Hazard Assessment and Analysis

Hazard Assessment and Analysis

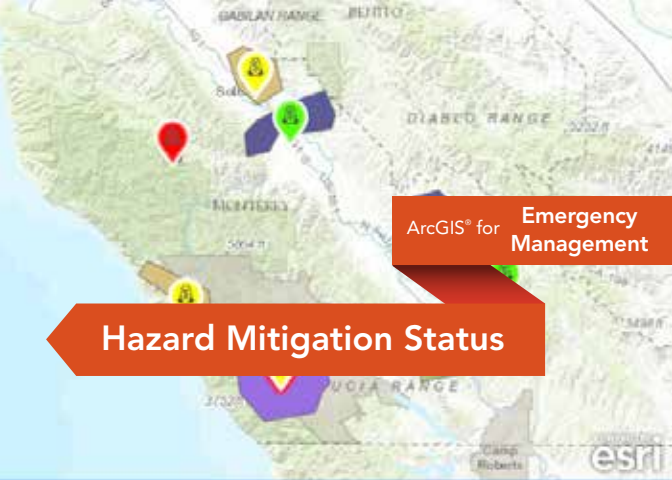
ArcGIS for Desktop

- ▶ Map hazard information from multiple sources.
- ▶ Analyze historic hazard events.
- ▶ Assess likelihood and potential impact of future events.

Free | Esri supported

esriurl.com/EMHazard





DIABLO RANGE

BEJITO

5000 ft

5000 ft

DIABLO RANGE

5000 ft

4140

MICHIGAN

5000 ft

ArcGIS® for **Emergency Management**

Hazard Mitigation Status

3/325

UOIA RANGE

Camp Roberts

esri

Hazard Mitigation Status

Operations Dashboard for ArcGIS

- ▶ **Monitor status of project needs.**
- ▶ **Determine overall funding status.**
- ▶ **Map mitigation areas.**

Free | Esri supported

esriurl.com/EMMitStat



ArcGIS® for **Emergency
Management**

Hazard Vulnerability Analysis

Hazard Vulnerability Analysis

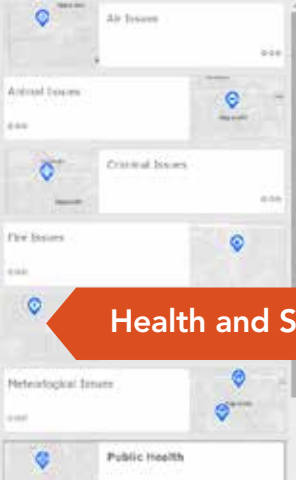
ArcGIS for Desktop

- ▶ Map public and private assets.
- ▶ Analyze repetitive loss properties.
- ▶ Assess and analyze development trends.

Free | Esri supported

esriurl.com/EMVulnAnalysis





ArcGIS® for **Emergency Management**

Health and Safety Reports

Health and Safety Reports

ArcGISSM Online Web Application

- ▶ Enable organizations to submit authoritative information.
- ▶ Collect health and safety concerns from the public.
- ▶ Monitor reports and assign for resolution.

Free | Esri supported

esriurl.com/EMHealthRep



Streets

Frederick

California

Salisbury

ArcGIS® for
Emergency
Management

Richmond

Impact Summary Map

443k

Seniors (Age 65+)

744k

Children (Age <14)

20k

Households with ...

3.8m

Total Population

Esri, DeLorme | Esri, DeLorme

THE POWER OF
esri

Impact Summary Map

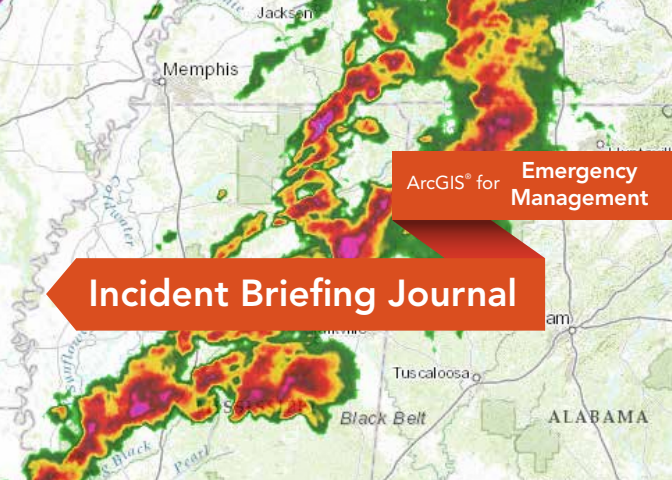
ArcGISSM Online Web Application

- ▶ Communicate the impact of an event to interested parties.
- ▶ Summarize information for the affected population.
- ▶ Quickly understand overall impact.

Free | Esri supported

esriurl.com/EMImpSum





Jackson

Memphis

ArcGIS® for **Emergency Management**

Incident Briefing Journal

am

Tuscaloosa

Black Belt

ALABAMA

Sunflower

Black

Pearl

Incident Briefing Journal

ArcGISSM Online Web Application

- ▶ Interactively brief staff.
- ▶ Communicate status and information around events and activities.
- ▶ Communicate information to a wide range of stakeholders.

Free | Esri supported

esriurl.com/EMIncJrnl



A map of the Virginia Beach area showing various incident status markers. The markers include green teardrop shapes with a white 'L' symbol, red teardrop shapes with a white flame symbol, black teardrop shapes with a white 'X' symbol, and orange teardrop shapes with a white bell symbol. The map also shows a blue dashed line and the text 'Virginia Beach' and 'Chesapeake' in the bottom left corner.

ArcGIS® for **Emergency Management**

Incident Status Dashboard

Incident Status Dashboard

Operations Dashboard for ArcGIS

- ▶ **Monitor response activities.**
- ▶ **Measure progress toward incident objectives.**
- ▶ **Support incident response decisions.**

Free | Esri supported

esriurl.com/EMOpsDash



A map showing a coastal region with a large blue area representing a flood zone. A location pin is placed in the upper right quadrant. A road labeled 'Harrison Woods Blvd' is visible. Other labels include 'Stony Lake Co.', 'TIC of Virginia Beach', and 'Vii B'.

ArcGIS® for **Emergency Management**

Logistics Planning

Logistics Planning

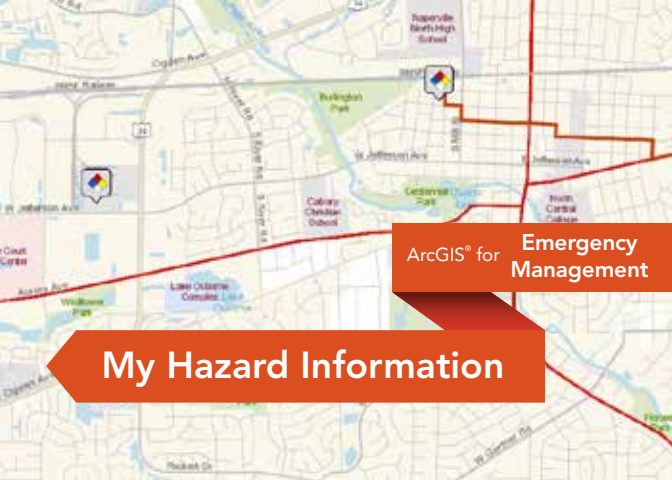
ArcGISSM Online Web Application

- ▶ Plan logistical operations during an incident.
- ▶ Manage resource requests.
- ▶ Accessible on any device.

Free | Esri supported

esriurl.com/EMLogPlan





ArcGIS® for **Emergency Management**

My Hazard Information

My Hazard Information

ArcGISSM Online Web Application

- ▶ **Locate hazards and nearby government facilities.**
- ▶ **View evacuation routes.**
- ▶ **Access on desktops, smartphones, and tablets.**

Free | Esri supported

esriurl.com/EMHazInfo





ArcGIS® for **Emergency Management**

Operations Response

Operations Response

ArcGISSM Online Web Application

- ▶ Understand the current status of emergency facilities and response teams.
- ▶ Optimize emergency response activities.
- ▶ Accessible on any device.

Free | Esri supported

esriurl.com/EMOpsResp





ArcGIS® for **Emergency
Management**

Photo Survey

Photo Survey

ArcGIS Web Application

- ▶ Collect and process location-aware photos.
- ▶ Conduct a focused property inventory.
- ▶ Monitor property survey results.

Free | Esri supported

esriurl.com/EMPhotoSur





ArcGIS® for **Emergency Management**

Public Information Map

Public Information Map

ArcGISSM Online Web Application

- ▶ Quickly share public information during incidents.
- ▶ Integrate social media feeds.
- ▶ Support response needs.

Free | Esri supported

esriurl.com/EMPubInfo



A topographic map showing a network of roads and water bodies. Several road segments are highlighted in orange, indicating closures. Red and white icons are placed along these roads. A large orange arrow points from the text 'Road Closures' to the map. Another orange box contains the text 'ArcGIS for Emergency Management'.

ArcGIS® for **Emergency
Management**

Road Closures

Road Closures

ArcGISSM Online Web Application

- ▶ Track road blocks or closures.
- ▶ Share closure information with public.
- ▶ Support construction, incident, and event closures.

Free | Esri supported

esriurl.com/EMRoadClose



A satellite-style map showing a region with a river and several towns. Numerous red and green location pins are scattered across the map, indicating specific points of interest. The text 'ArcGIS® for Emergency Management' is overlaid on the right side of the map.

ArcGIS® for **Emergency
Management**

A large orange arrow pointing to the left, containing the text 'Shelter Locator' in white. The arrow is positioned at the bottom of the image, overlapping the map.

Shelter Locator

Shelter Locator

ArcGISSM Online Web Application

- ▶ Help the public locate emergency shelters.
- ▶ Better coordinate shelter services during incidents.
- ▶ Accessible on any device.

Free | Esri supported

esriurl.com/EMSheltLoc





ArcGIS® for **Emergency
Management**

Situation Awareness Viewer

Situation Awareness Viewer

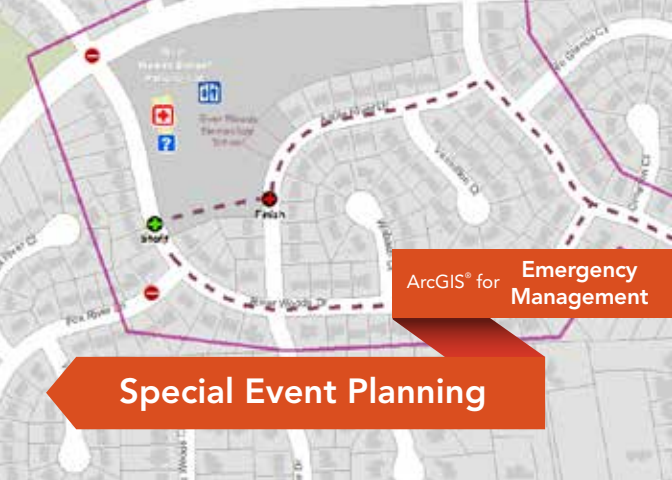
ArcGISSM Online Web Application

- ▶ Identify impact of incidents on people and infrastructure.
- ▶ Assists communities to plan for impending incidents.
- ▶ Increase preparedness and response.

Free | Esri supported

esriurl.com/EMIncView





ArcGIS® for **Emergency Management**

Special Event Planning

Special Event Planning

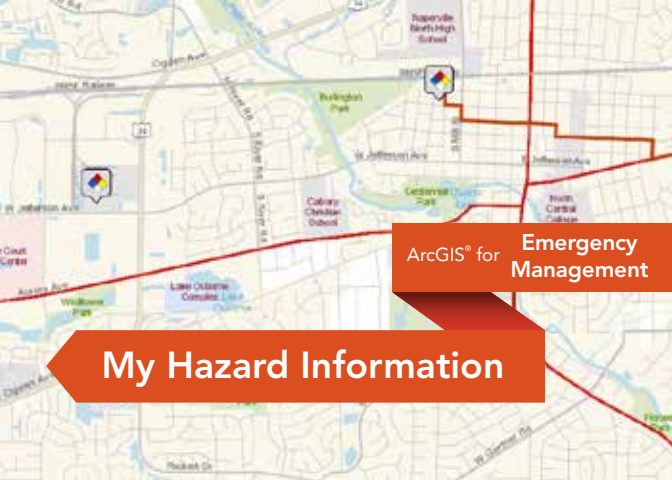
ArcGISSM Online Web Application

- ▶ Streamline special event data planning.
- ▶ Promote collaboration.
- ▶ Publish special events maps.

Free | Esri supported

esriurl.com/EMSpEventMgt





ArcGIS® for **Emergency Management**

My Hazard Information

My Hazard Information

ArcGISSM Online Web Application

- ▶ **Locate hazards and nearby government facilities.**
- ▶ **View evacuation routes.**
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Free | Esri supported

esriurl.com/EMHazInfo

