



South Dakota State University



Onthemap: Emergency Management

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Getting started...

- Interactive mapping tool
- Provides reports containing:
 - workforce, population, and housing characteristics for hurricanes, floods, wildfires, winter storms, and federal disaster declaration areas.

Also contains

Data on affected Workers & Industries

Population & Demographic Data

Potential Impacts

Daily Updates from Authoritative Sources
for Hurricanes, Wildfires, Floods, Winter
Storms, & Disaster Areas

Data Sources

- National Hurricane Center (NHC)
- Geospatial Multi-Agency Coordination Group (GeoMAC)
- Federal Emergency Management Agency
- Hydrometeorological Prediction Center
 - Flood areas
 - Snow and freezing rain areas

Data Sources

- Office of Personnel Management
 - Employees and jobs for federal Employees
- Quarterly Census for Employment and Wages
 - Firm Structure and the location of a business or establishment
- Unemployment Insurance Wage Records

Examples of analysis

- The number of workers within the area.
- The inflow and outflow of workers in and around the area.
- Identify the industries with the most affected workers.
- Discover the home locations of workers who work in the affected area.
- Examine the earnings levels of the affected workers.

Examples of analysis (cont.)

- Quantify the number of people and workers in the path.
- View the daily location of a storm and identify the date it made landfall.
- Identify the largest communities being impacted

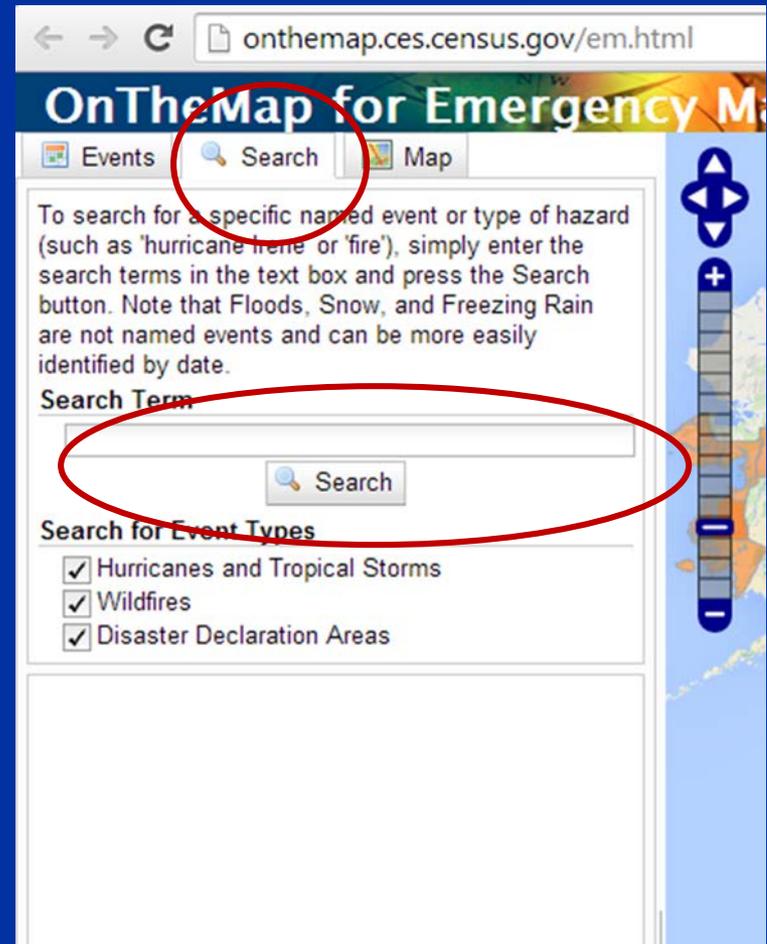
Tabs

- Event- shows the dates, types of events
- Search- for specific events or types of events
- Map- displays and explains the map legend
- Report- provides the different analysis
 - Population
 - Worker Area Profile
 - Worker Area Comparison
 - Worker Home Destination

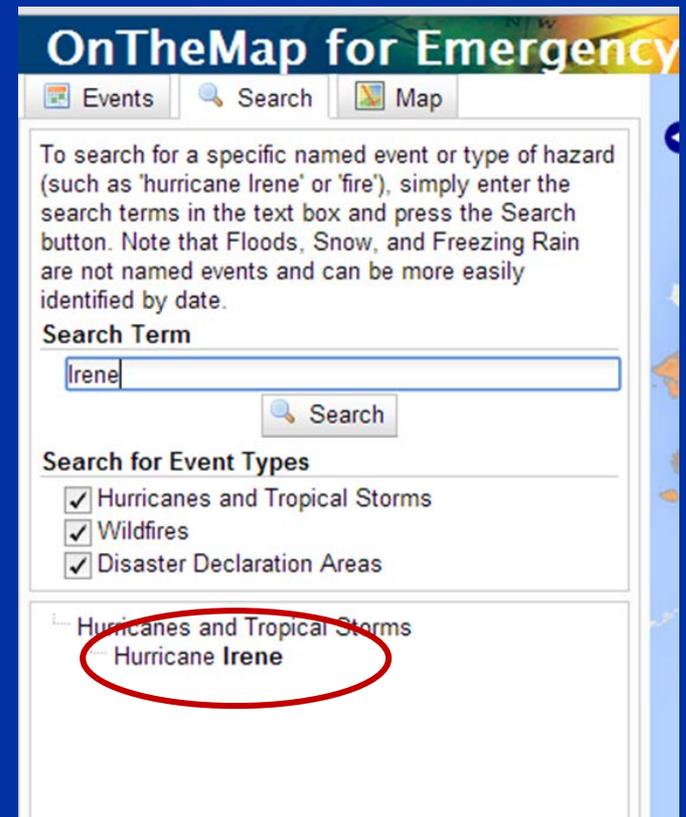
Steps in creating analysis

Search for event

- Click on the Search tab and type in event



Select event from list



OnTheMap for Emergency

Events Search Map

To search for a specific named event or type of hazard (such as 'hurricane Irene' or 'fire'), simply enter the search terms in the text box and press the Search button. Note that Floods, Snow, and Freezing Rain are not named events and can be more easily identified by date.

Search Term

Irene

Search

Search for Event Types

- Hurricanes and Tropical Storms
- Wildfires
- Disaster Declaration Areas

Hurricanes and Tropical Storms

- Hurricane **Irene**

Click the Events Tab to view a list of all dates when event was active.

OnTheMap for Emergency

Events Search Map

Welcome to OnTheMap for Emergency Management!
Access detailed U.S. Census Bureau reports on the workforce and population for current natural hazard and emergency related events. To start, click on an emergency event area of interest on the map or search by date using the date ranges below or by event name or type using the Search tool.

Show Dates

8/20/2011 - 8/30/2011

Show Event Types

- Hurricanes and Tropical Storms
- Wildfires
- Flood Outlook Areas
- Disaster Declaration Areas
- Snow and Freezing Rain Probability Forecasts

[Refresh Event List](#)

08/30/2011

08/29/2011

08/28/2011

08/27/2011

08/26/2011

08/25/2011

08/24/2011

08/23/2011

08/22/2011

08/21/2011

08/20/2011

Click anywhere inside the forecast area

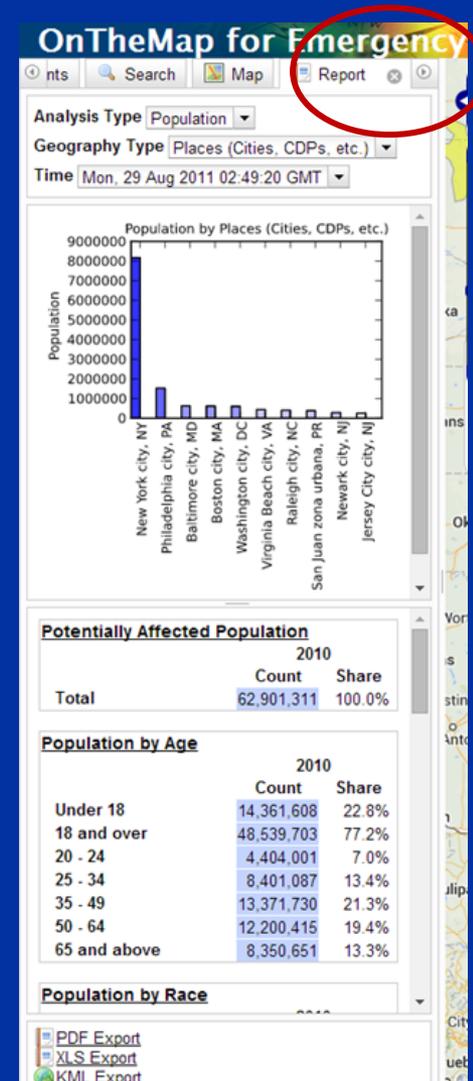
A small popup window appears displaying the name of the storm, the date it was loaded into the

OnTheMap for Emergency Management, with a 'View Report' link.



After clicking on
'View Report'.

The Report tab
automatically opens
displaying the
population analysis
report results.



OnTheMap Links

Main Page:

<http://onthemap.ces.census.gov/>

For Emergency Management:

<http://onthemap.ces.census.gov/em.html>