

OnTheMap for Emergency Management

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OnTheMap Emergency Management Uses

- Emergency Preparedness & Response Planning
 - ✓ Where should response efforts concentrate?
 - ✓ What are the major commuting & evacuation patterns?
 - ✓ How do different emergency scenarios compare?
 - ✓ How do future scenarios compare to historical events and measured impacts?

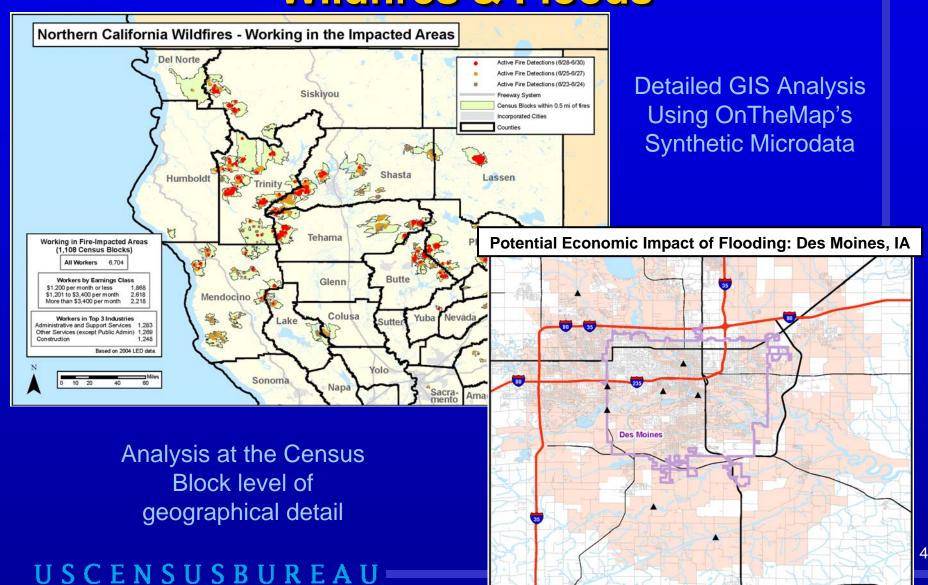
OnTheMap Emergency Management Uses

- **✓** Assessment of Impact on Labor Market
 - ✓ How many affected workers and employers?

✓ Are they living or working in the affected area?

✓ What are the affected industries?

Emergency Management Examples:Wildfires & Floods



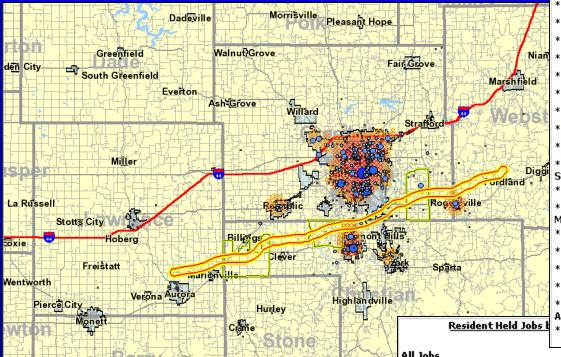
Emergency Management Examples: Tornadoes

\$1,200 per month or less

\$1,201 to \$3,400 per month

More then \$3,400 per month

Where Tornado-Zone Residents Go to Work



	Workers by Industry Type (2-digit NAICS)	2003	
		Count	Share
	* Agriculture, Forestry, Fishing and Hunting	5	0.3%
	* Mining	1	0.1%
4	* Utilities	3	0.2%
Į	* Construction	134	8.6%
Ī,	* Manufacturing	195	12.5%
เที	* Wholesale Trade	132	8.5%
	* Retail Trade	230	14.8%
Ž	* Transportation and Warehousing	79	5.1%
1	* Information	54	3.5%
1/2	* Finance and Insurance	82	5.3%
7	* Real Estate and Rental and Leasing	25	1.6%
gi	* Professional, Scientific, and Technical Services	70	4.5%
j	* Management of Companies and Enterprises	35	2.2%
¥ 1	* Administration & Support, Waste Management and Remediation	76	4.9%
Ę	* Educational Services	13	0.8%
رک	* Health Care and Social Assistance	202	13%
	* Arts, Entertainment, and Recreation	23	1.5%
7	* Accommodation and Food Services	124	8%
1	* Other Services (excluding Public Administration)	74	4.8%
: E	* Public Administration	0	0%

452

674

29%

43,3%

27.7%

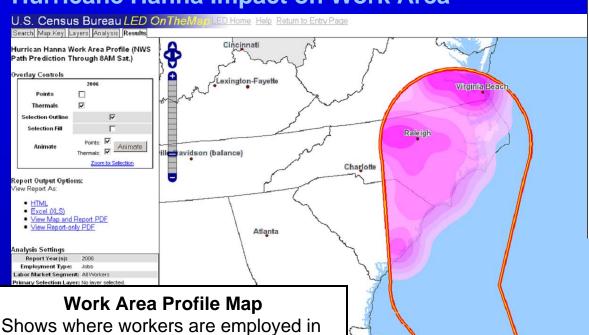
		Count	Share
	Workers by Earnings Paid	2003	
	All Primary Jobs (Private Sector Only) and Baseline Count of Workers	1,557	80.1%
	All Primary Jobs (Worker's highest paying job)	1,843	94.9%
	All Jobs (Private Sector Only)	1,644	84.6%
jt	All Jobs	1,943	100.0%
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Emergency Management Examples: Hurricanes

Miami

Hurricane Hanna Impact on Work Area



Share Count 3,851,764 Total Jobs 100.0% Jobs by Worker Age Count Share Age 30 or younger 986,540 Age 31 to 54 2,223,878 57.7% Age 55 or older 641,341 16.7% Jobs by Earnings Paid Count Share \$1,200 per month or less 1,151,809 29.9% \$1,201 to \$3,400 per month 1,607,250 41.7% More than \$3,400 per month 1,092,703 28.4% Jobs by Industry Type (2-digit NAICS) 2006 Count Share Agriculture, Forestry, Fishing and Hunting 27,209 Mining, Quarrying, and Oil and Gas 2.960 0.1% Extraction Utilities 20,313 0.5% 6.5% Construction 250 366 Manufacturing 432,164 11.2% Wholesale Trade 156,254 4.1% Retail Trade 12.6% 484 900 Transportation and Warehousing 112,670 2.9% Information 79,120 2.1% Finance and Insurance 124,910 3.2%

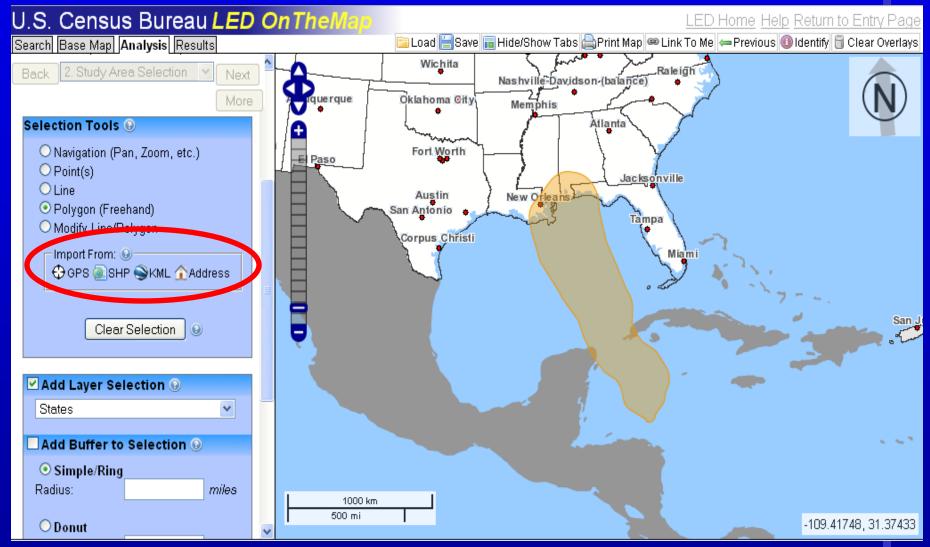
2006

- Shows where workers are employed in the impact zone.
- Projected path of Hanna based on NWS data.
- Plume selection from 20 miles to 150 miles.
- Approx. 3.9 million jobs in this selection for 2006.

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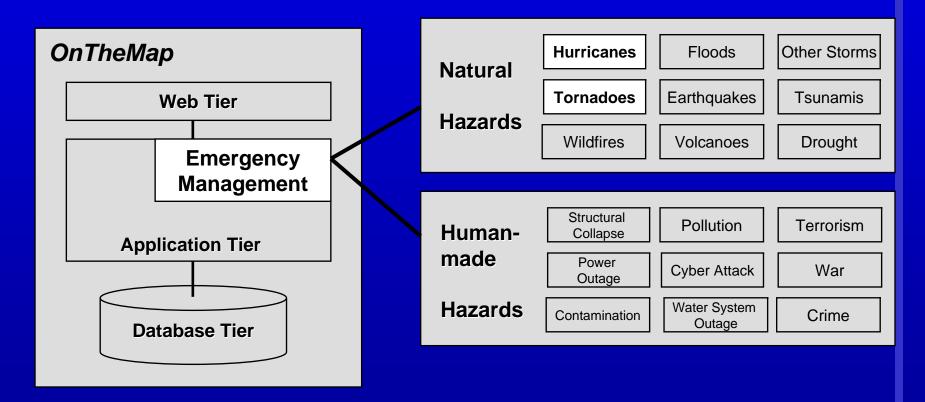
Total Jobs

Current Data Import Capability



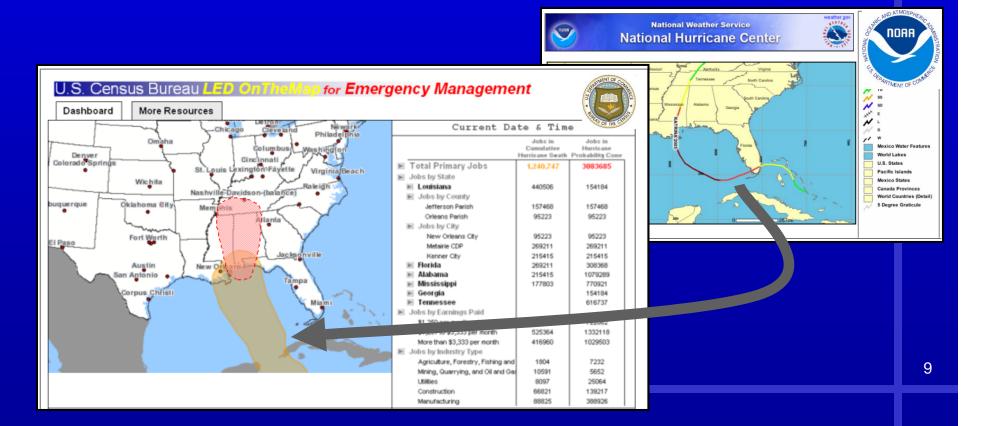
Conceptual Application Overview

- ✓ Spin-off application from OnTheMap
- ✓ Utilizes existing system architecture & technology
- ✓ Proof-of-concept incorporating hurricanes & tornadoes

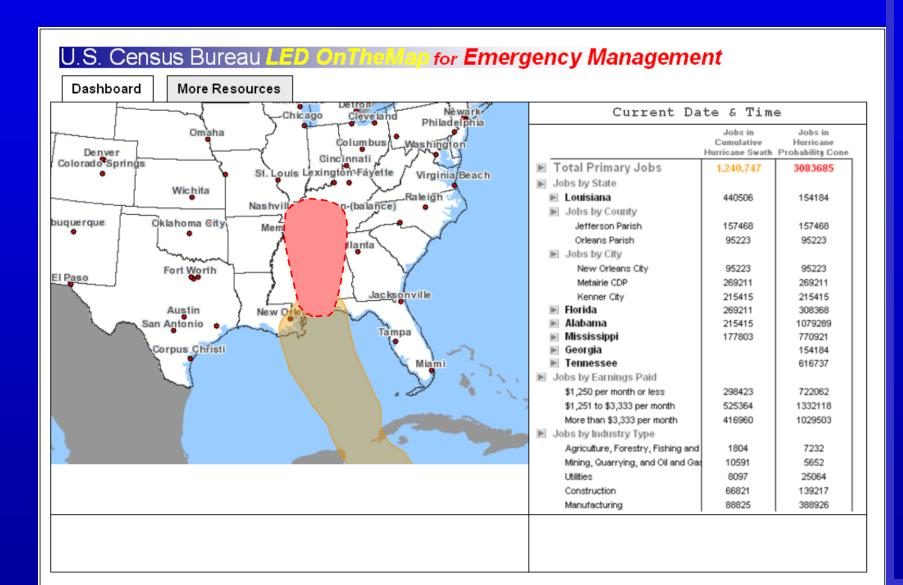


Census – NOAA NWS Collaboration

- ✓ Dashboard integrating OnTheMap / NWS hurricane & tornado data
- ✓ Real-time data integration/update
- ✓ No user interaction or specialized expertise required
- Efficiency and value of existing data and systems increased



Dashboard Mockup



Resources Page Mockup

U.S. Census Bureau LED On The Map for Emergency Management Dashboard More Resources Hurricanes Tornadoes Wildfires Floods **Getting Started** Sample Analyses Xxxxxxxxxxxxxxx Xxxxxxxxxxxxx Xxxxxxxxxxxxxxx Xxxxxxxxxxxxxxx Xxxxxxxxxxxxxxx Xxxxxxxxxxxxxxx XXXXXXXXXXXXXXXX Archived Data Data Sources

What's Next?

✓ Release of OnTheMap for Emergency Management Beta Version this summer

✓ If interested in getting involved, sharing experiences, or providing feedback…please contact:

CES.Local.Employment.Dynamics@census.gov