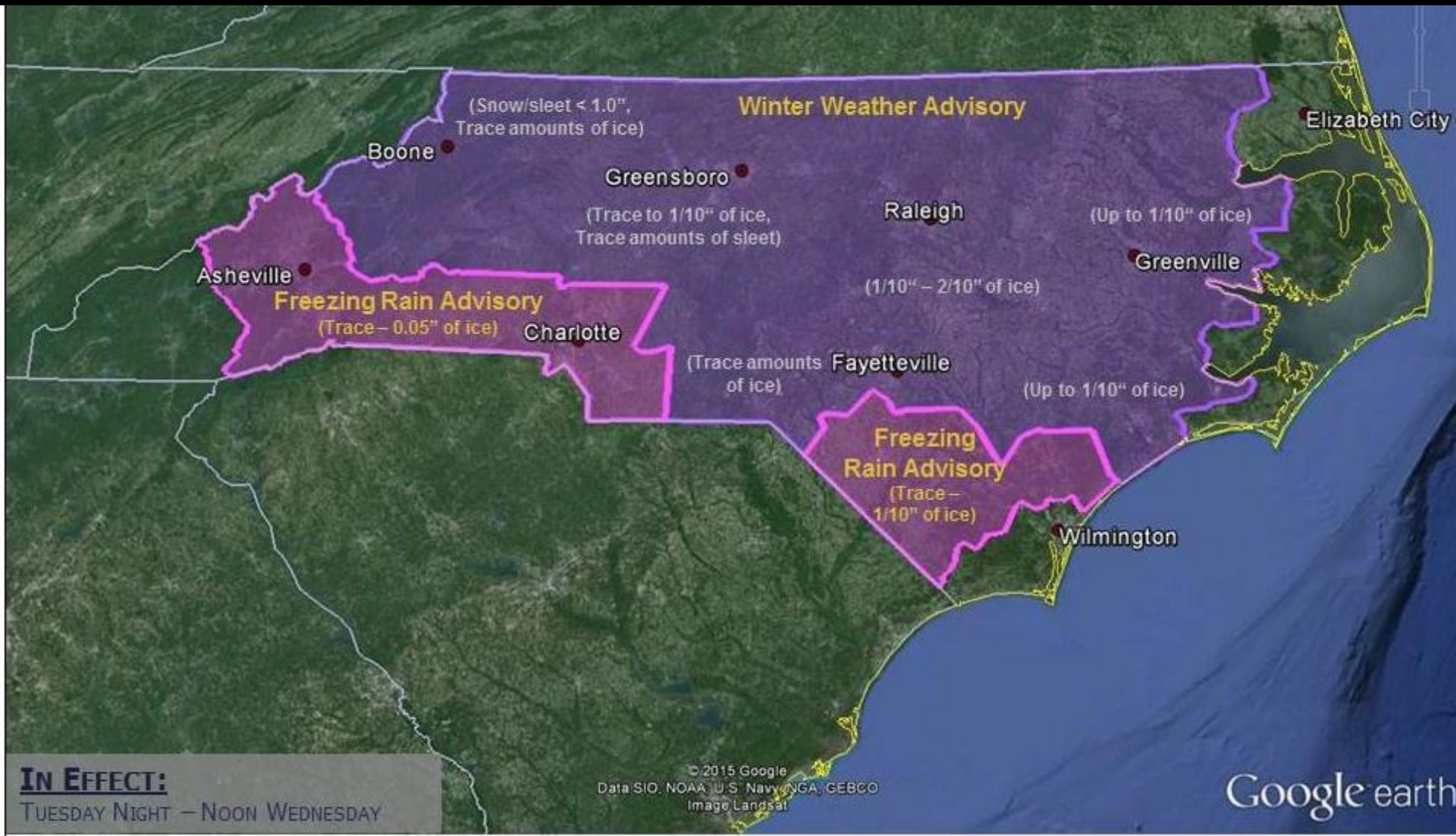


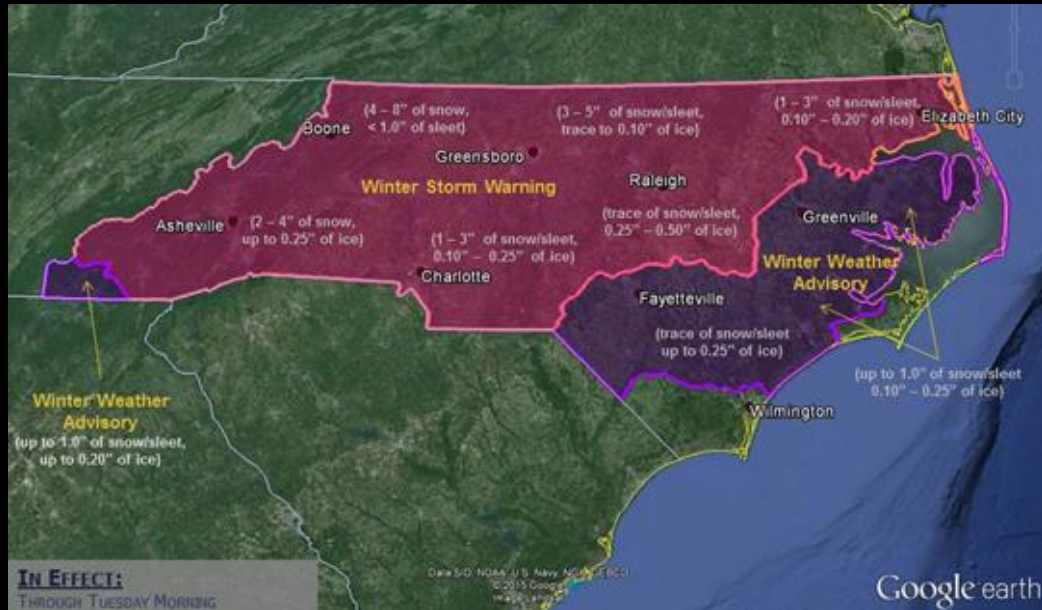
A photograph showing a residential street completely flooded with dark, rippling water. Several palm trees and utility poles are visible, with the water reaching up to their lower trunks. In the background, there are houses and more utility poles under a heavy, overcast sky. The overall scene depicts significant flooding in a coastal or tropical area.

# North Carolina Emergency Management 2015 Overview

# Ice Storms

Mid-January saw below-freezing temperatures and steady rainfall, producing as much as one-quarter inch of ice in most North Carolina counties. NCEM warned North Carolinians about the dangers of black ice and hazardous driving conditions. ~ Jan 13-14





The SERT activated to respond to the threat of widespread winter storms. Several inches of snow followed by sleet hindered much of the state, causing 1 death, more than 1,000 traffic accidents, 63,000 power outages and prompting shelters to open in affected counties.  
~ Feb. 16



# Winter Storms



The SERT activated to coordinate response to back-to-back winter storms that brought measurable snowfall to most of the state. Nearly 230,000 people were without power. Residents were urged to stay off of the roads. Two people died from weather-related accidents and the SHP responded to more than 3,000 calls. ~ Feb 24



# Statewide Exercise

Hurricane Falcon, a one-day exercise, tested the SERT's ability to respond to and recover from a Category 3 hurricane. State plans and operations were practiced for both pre- and post-landfall situations. ~March 9-10



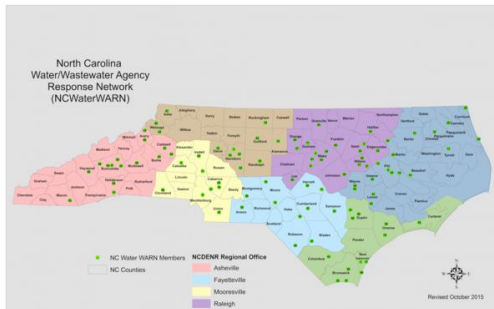
# Train Crash

An Amtrak passenger train collided with a tractor trailer in Halifax County, releasing 2,000 gallons of diesel fuel. Fifteen passengers were taken to the hospital. Local responders, SHP, DOT and NCEM were on scene to assist.

~ March 9



Home

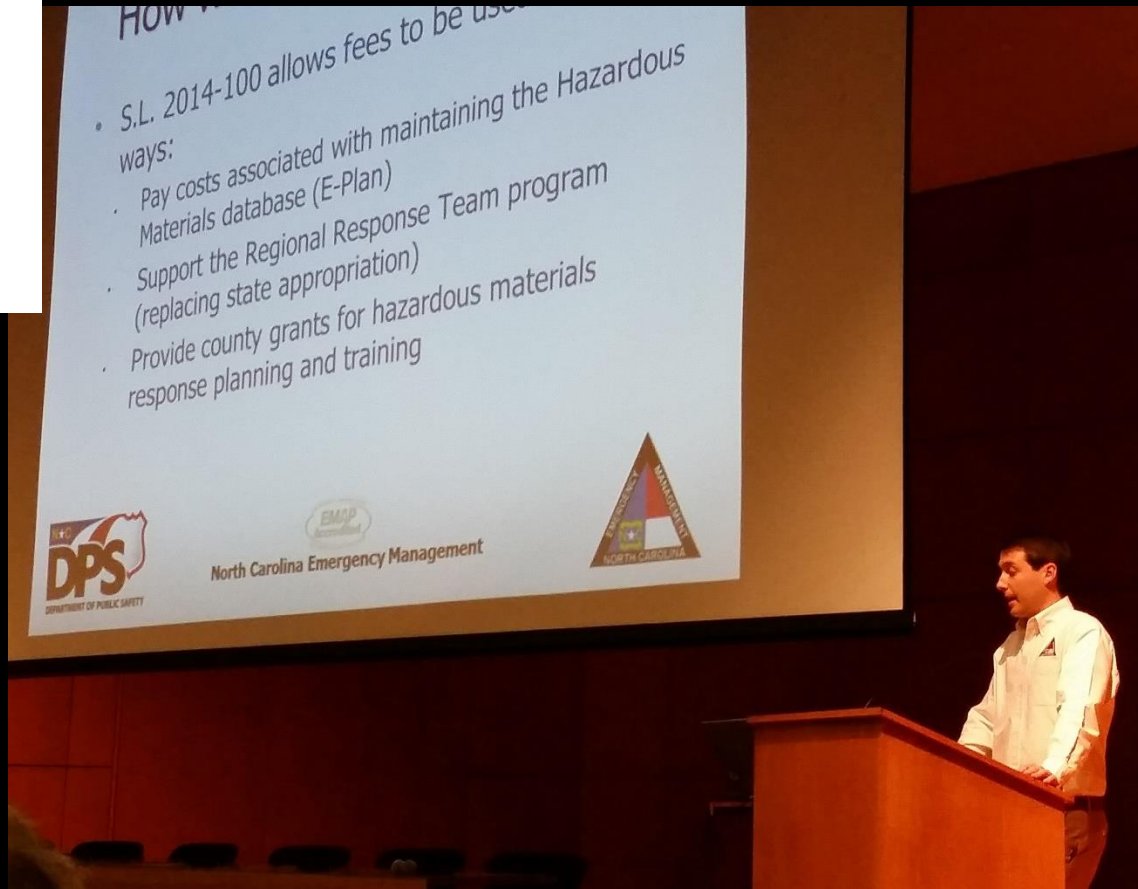


Member Information

- Resources
- Members
- Join

Emergency managers, first responders and public health officials gathered for the semi-annual meeting to discuss changes to the Tier II and EMPG processes. Attendees also learned about NC WaterWARN and a THIRA pilot project, and heard updates on the Centers for Safer Schools and Coal Ash Management Commission. ~ February 4

# NCEM Winter Forum





# NCEMA Spring Conference



State and local emergency management experts came together at the annual spring conference in Cherokee to learn the latest about cybersecurity, how to include people with disabilities in exercises, drones and how they can be used to aid EM agencies, and how other state agencies respond to disasters.

~ March 22-25





# Communications Exercise - CBO



To ensure emergency managers maintain essential communication during emergencies, NCEM partnered with county emergency management agencies to test UHF, HF, AUXCOM, SATCOM and Internet capabilities. ~ April 9-10



# Spring Tornadoes



Tornadoes touched down in Columbus, Greene and Lee counties, causing downed trees, damaging an outbuilding and a few residences, and downed power lines. No injuries were reported. Eight people were displaced because of the Columbus County tornado.

- ~ Greene County March 26
- ~ Columbus County May 21
- ~ Lee County June 27





# SERC Awards



Sharron Stewart received the *SERC Individual Service Award* for her role in expanding the CAMET program and working to develop the SART program in 23 states. Moore County Department of Public Safety earned the *SERC Team Award* for its planning, preparation and execution of the 2014 US Open in Pinehurst.

~ April 17

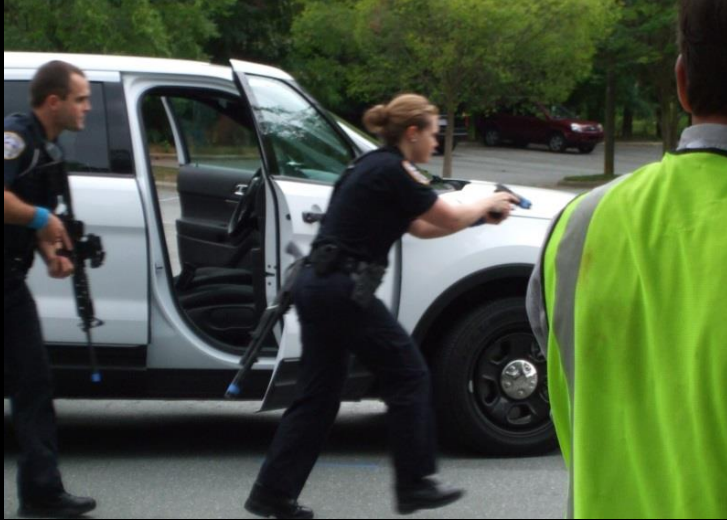


# Providing Essential Training

Effective training gives first responders, emergency managers and law enforcement officers the opportunity to develop, sharpen and practice essential skills for disaster response and recovery. NCEM sponsored more than 340 classes that trained nearly 7,500 personnel on topics such as: disaster response and recovery; sheltering; debris management; handling mass fatalities; damage assessment; mass shootings and response, etc. The division also began developing a series of interactive on-line courses.



# Training & Exercising with Counties



Field staff routinely partner with county emergency service agencies to sharpen skills and test plans/processes. Exercises conducted this year included active assailant exercises (Washington, Granville, Pamlico, Burke, Alexander), natural disaster exercises (Mitchell, Brunswick, Gates, Carteret, Lee, Rutherford), and exercises to respond to manmade threats. (Haywood, Johnston, New Hanover).



# Wayne Community College

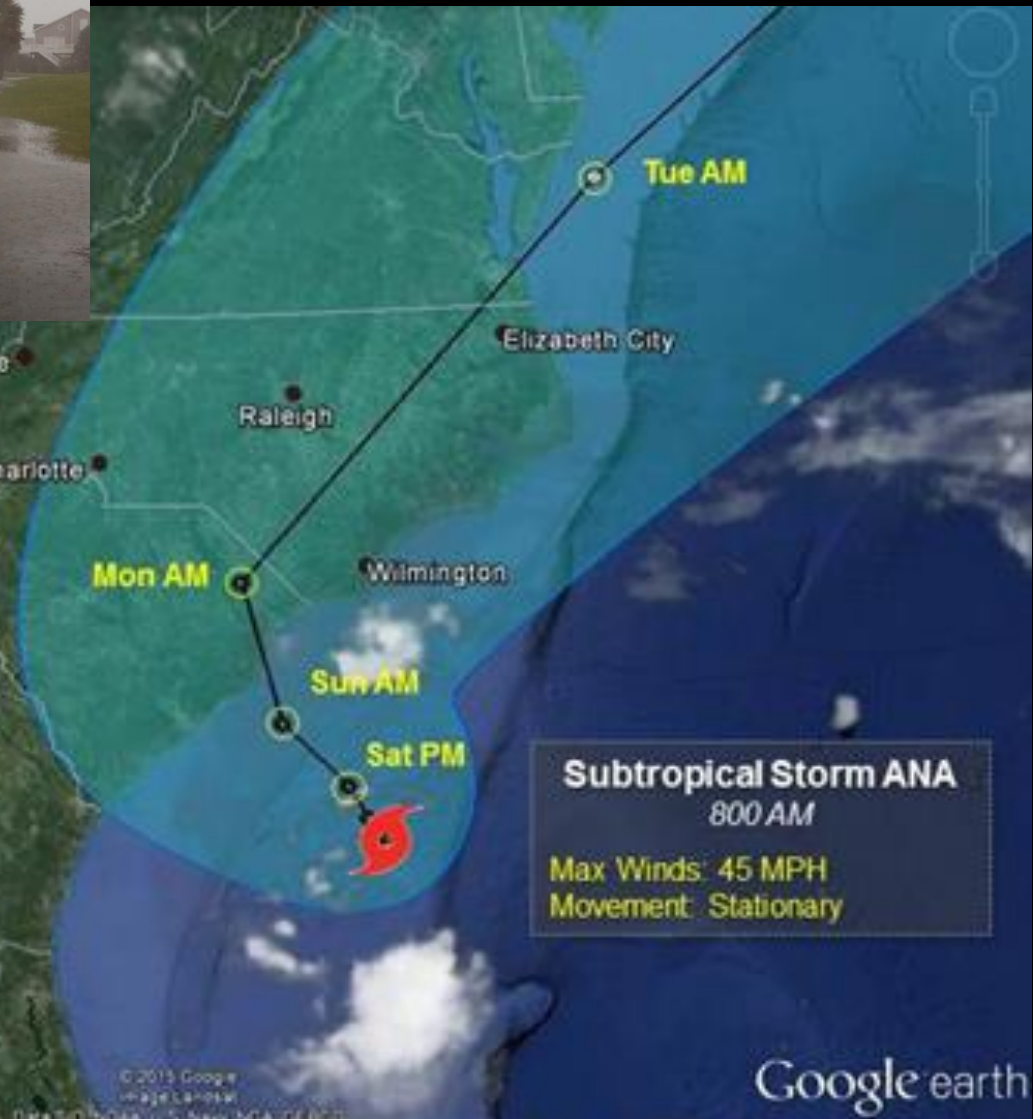
NCEM staff provided operations support to Wayne County when a lone gunman shot & killed a college employee on campus. The college and 3 nearby schools were placed on lockdown as 150+ law enforcement officers and first responders searched for the assailant. The suspect was caught several hours later. ~ April 13



# Tropical Storm Ana



Three weeks before the official start of hurricane season, Tropical Storm Ana made landfall near Myrtle Beach, SC. It is the second earliest Atlantic storm landfall on record. It caused pockets of rain to linger in eastern North Carolina, resulting in 6+ inches of rain in Kinston and Southport, and wind gusts up to 59 miles per hour. ~ May 10



# Middle East Region Search & Rescue College

The weekend event provided intensive training about ground and air search-and-rescue for more than 320 Civil Air Patrol participants from seven states – 130 of those from NC. ~ May 15-17







# Avian Flu Preparation

57 state, county and community partners met in May to discuss coordinated plans and response if High Path Avian Influenza is detected in North Carolina. An even larger group of State Emergency Response Team partners gathered in early December for a tabletop exercise to walk through Avian Flu response plans.

# NCEM-ECU Hurricane Workshop



More than 200 local emergency managers, nonprofit representatives, military, meteorologists and academicians met to review and discuss hurricane predictions, preparedness and response. Topics included state medical shelters, county evacuation zones, the 2015 hurricane season forecast and storm surge measuring project. ~ May 27





# Briefing the President

NCEM Director Sprayberry was one of two state EM directors asked to brief President Obama on state hurricane preparations and recent partnership with the National Hurricane Center. Last July, North Carolina was the first state to partner with the NHC to use experimental maps showing potential levels of storm surge. ~ May 28



# Fracking Exercise

Moore County Emergency Management worked with county first responders plus High Falls and Carthage Fire Departments during a regional hydraulic fracturing exercise to test capabilities to respond to hazardous materials events. ~ May 30



The summer NCEM forum addressed continuity of operations, Avian Influenza and how emergency management agencies will be needed in response, cybersecurity and requirements to own/use unmanned aerial systems. ~ June 3

# NCEM Forum





# IDD Conference

More than 100 people from state and non-profit agencies, centers for independent living and self advocates participated in the mid-year IDD conference. Presenters from California, New Jersey & Wisconsin discussed how to include people with disabilities on CERT teams and the development of Functional Assessment Support Teams in other states. ~ June 11



# DOD Summit

NCEM hosted the 8<sup>th</sup> meeting of officials from Department of Defense agencies to review disaster response plans. ~June 23



# Public Disturbance Workshop



Fifteen federal, state and local agencies met to discuss procedures North Carolina agencies would use during civil disturbances. Partners wanted to ensure there was coordinated communication and response after high-profile public disturbances in other states led to days of riots and unrest. ~ June 25





# Joint DPR Exercise

Emergency managers and first responders from more than 20 western counties & the Eastern Band of Cherokee Indians joined NCEM, NC Air National Guard and Metrolina Healthcare Preparedness Coalition to demonstrate various equipment and assets used in disaster response.

~ June 25





19 new  
CERT groups  
were started  
this year in  
NC including  
2 new teen  
programs.  
**NC now has  
75 CERTs!**



# CERT Training

72 members from 8 CERTs joined in a statewide exercise called ApCaMo for its sponsors: Apex, Cary and Morrisville. The drill enabled CERT members to test their skills at seven different stations and network with other CERT members. ~ July 11





NCEM, Duke Energy, Mecklenburg, Cabarrus, Catawba, Gaston, Iredell and Lincoln counties tested their coordinated response to a hostile attack during their biennial, federally graded fixed nuclear facility exercise. ~ August 4

# McGuire Nuclear Drill



# Small Plane Crashes

Local emergency responders and NCEM staff responded to a small experimental aircraft crash at Twin Lakes Airport in Davie County. Two people died.  
~ Sept 2

**RIGHT NOW**  
INVESTIGATORS RETURN TO CRASH SITE  
TWIN LAKES AIRPORT, DAVIE COUNTY



A week later, local responders and CBO staff were on scene to provide assistance after a small plane from Sarasota, FL, crashed at the Vulcan Materials East Forsyth Quarry in Kernersville. All three people on board died.  
~ Sept 7



Photo: Winston-Salem Journal



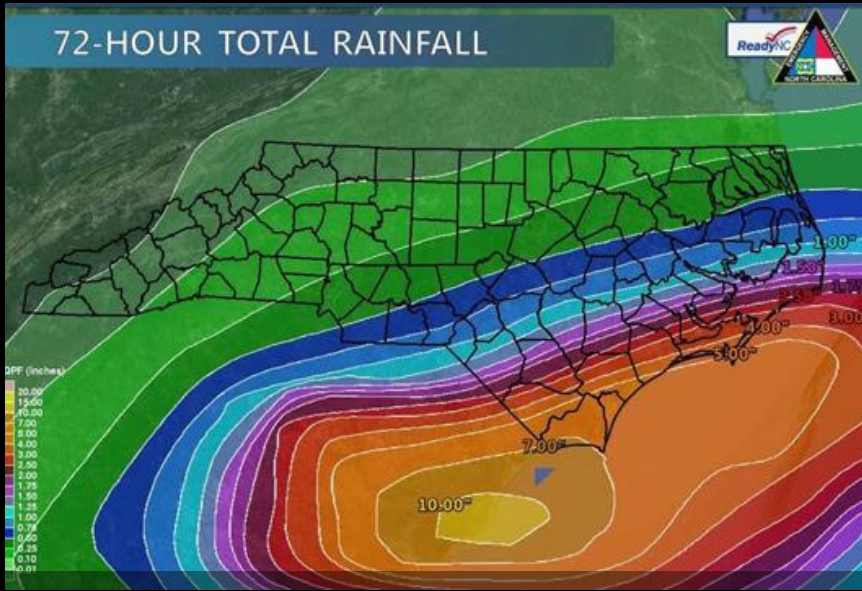
Photo: Winston-Salem Journal

# EBO & NCNG Hurricane Exercise

NCEM eastern branch staff worked with North Carolina National Guard soldiers in a three-day exercise that coordinated simulated response to a hurricane when the NCNG are called in to assist. They reviewed how soldiers are assigned and exercised the state's readiness for a significant storm. ~ September 11-13



## 72-HOUR TOTAL RAINFALL



# Hurricane Joaquin



Several low pressure systems, a stalled front & Hurricane Joaquin collided and dumped 5 -20" of rain in a week across much of the NC. Coastal areas flooded and roads closed due to damage. Two people died; many more were rescued from flooded homes or vehicles.

~ Sept 30- Oct 5



# Sending SC Flood Aid



Rain pounded the Carolinas Sept. 29 – Oct. 6 dumping 5-20 inches of rain. Using EMAC, NCEM sent to South Carolina search-and-rescue teams, NCNG soldiers, road barricades, bottled water and emergency management staff to help them recover from the historical flooding.

~ October





# NCEMA Fall Conference



State and local emergency managers and SERT members discussed emergency preparedness for citizens with disabilities, mass fatality response, lessons learned from Ferguson, Avian Influenza, and response to railway incidents. ~ October 11-14







# Harris Nuclear Drill

NCEM, Duke Energy, Wake, Chatham, Lee and Harnett counties tested their coordinated response to a hostile attack on the piedmont plant. ~ Oct. 27

# HazMat Response



During 2015, RRTs have responded to 25 state hazmat missions and hundreds of local missions such as chemical releases, transportation incidents and criminal acts. They've also provided technical advice to local responders.



# Unmanned Aircraft System



NCEM purchased an unmanned aircraft system (UAS) to aid in response & recovery. Select staff were trained and authorized to operate the UAS. NCEM staff worked with NCDOT Aviation to develop a certificate of authorization in order to use the UAS at specified locations. A MOA was signed with NCA&T and NC Forest Services to perform test flights.

# CAP Encampment

Nearly 800 cadets & 820 senior members support Civil Air Patrol missions across the state. About 200 members participated in the week-long summer encampment training which provides young people with communications and flight line training as well as rocketry, aerospace, engineering, physical fitness and flying. ~ July - August

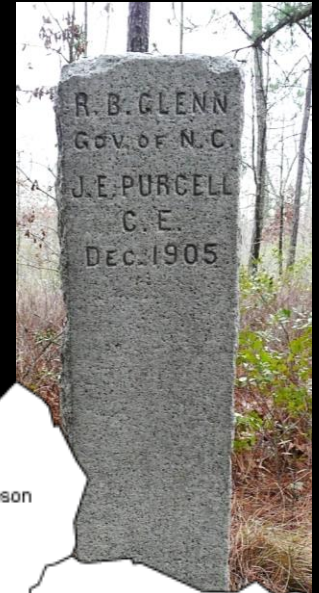
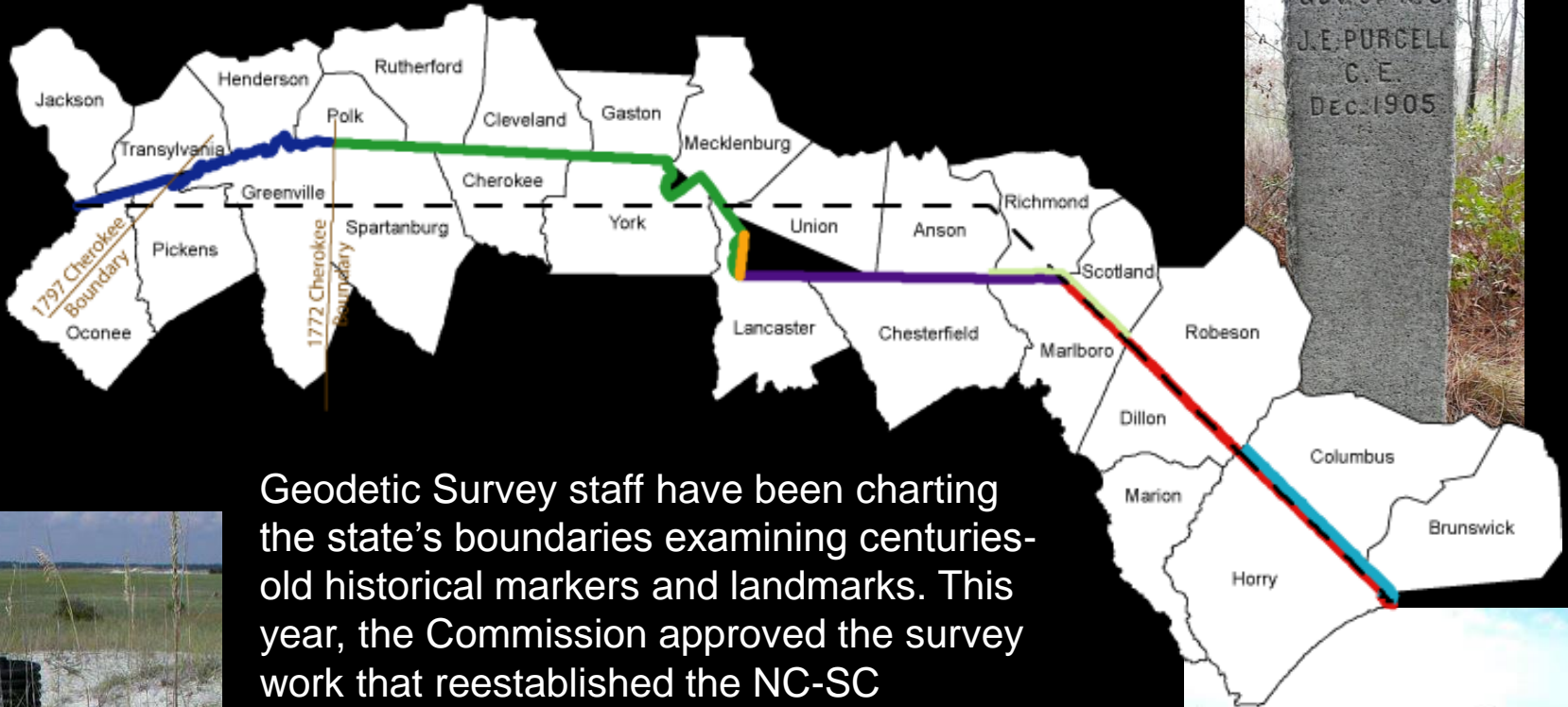


# Mitigating Hazards

After the April 2014 tornadoes damaged more than 300 homes, the NCEM Individual Assistance Program helped many apply for and receive grant funding to help rebuild their homes. One family in Chowan County invited IA staff to return for the blessing of their new home. ~ September 19



# NC – SC Boundary Commission



Geodetic Survey staff have been charting the state's boundaries examining centuries-old historical markers and landmarks. This year, the Commission approved the survey work that reestablished the NC-SC boundary. Legislation was introduced that would minimize impact to affected property owners. The NC-SC boundary should be finalized by September 2016.



# Preparing our Communities

NCEM led five campaigns to prepare North Carolinians for various types of severe weather including tornadoes, hurricanes, earthquakes, snow and ice. Materials were sent to county emergency management agencies, schools, local health departments, Latino partners, state agencies and others.




### Driving Safety Tips

- Don't drive in snow and ice unless you have to.
- Reduce your speed.
- Be sure the gas tank is full.
- Leave lots of room between you and other vehicles.
- Approach bridges and overpasses with caution.
- Keep basic items on hand – scraper, jumper cables, blankets, flashlight, first aid kit, road map.
- If you start to slide, take your foot off of the gas pedal.



**Hurricane Preparedness Week**  
May 24 - 30

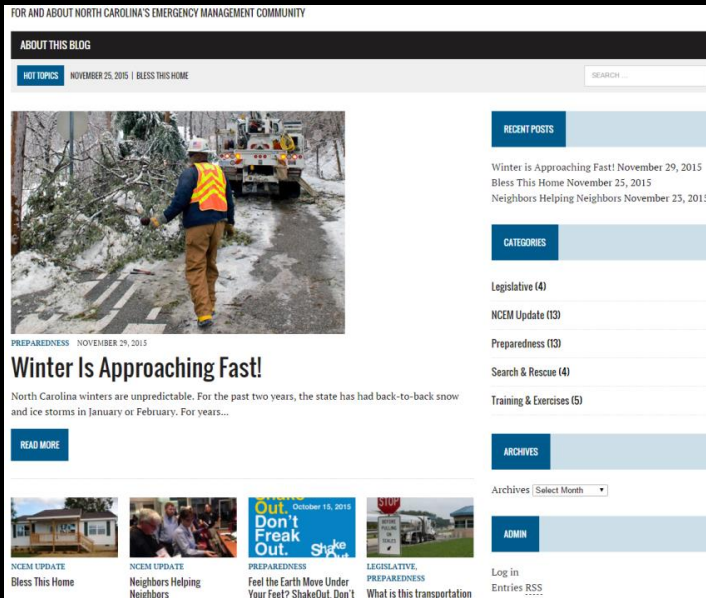


**Plan. Prepare. Stay Informed.**

# Community Outreach

To improve preparedness, this year NCEM:

- Started a blog, *Inside NCEM*, with news for and about the EM community.
- Developed a video highlighting what EM does to explain how partners work together in emergencies.
- Printed Plan-Prepare-Stay Informed cards (in English and Spanish)
- Created a display for outreach events that showcases how to plan, prepare and stay informed







Wakefield, VA



Wilmington

NCEM works closely with the National Weather Service to prepare for, respond to and recover from storm-related emergencies. During 2015, NCEM staff visited the seven NWS offices that serve North Carolina.

## Partnering with NWS



Blacksburg, VA



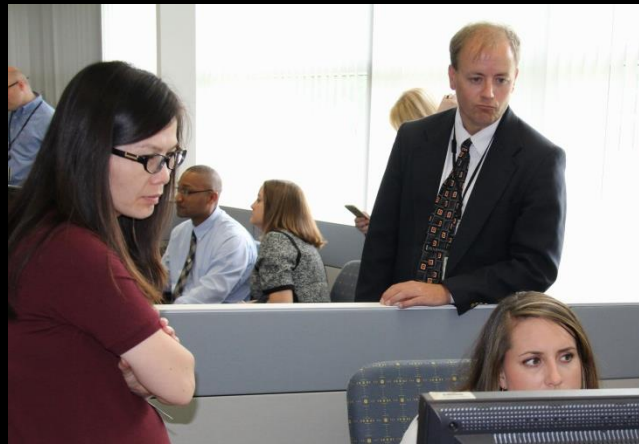
NCEM and NWS are working to encourage all counties to be certified StormReady by:

- Establishing a warning point & EOC
- Having multiple ways to get weather warnings
- Creating a system to monitor local weather
- Promoting emergency preparedness
- Developing a hazardous weather plan

NC has certified:

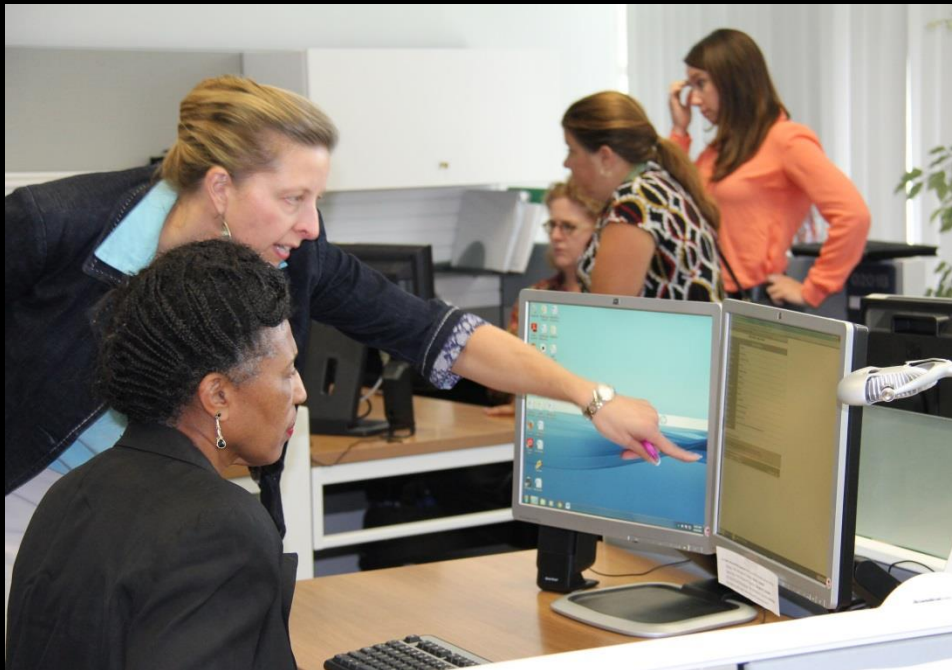
- 61 counties
- 7 universities
- 7 communities
- 4 military sites
- 2 commercial sites

# Storm Ready Initiative



Public Information Officers from other state agencies are needed to operate the Joint Information Center during State Emergency Operations Center activations. DPS Communications staff trained 26 PIOs in 2015 to support JIS/JIC operations.

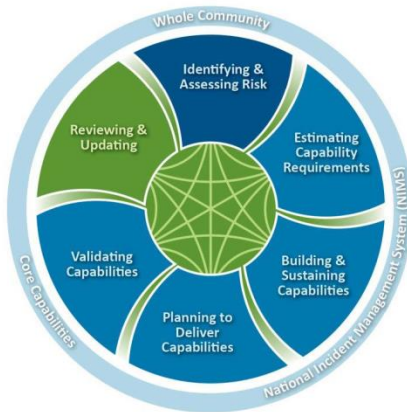
# PIO Training



# Sharing Best Practices

## North Carolina 2015 THIRA/SPR

Core Capability Worksheet: Public Health & Medical Services



The following document was created to assist participants with the 2015 Threat Hazard Identification and Risk Assessment (THIRA) and State Preparedness Report (SPR) developmental process. The objective in 2015 is to further refine our results from 2014, which are included in this worksheet as part of the facilitation process. Also included are elements from the Comprehensive Planning Guide 201 (Second Edition) and the National Planning Frameworks. The information captured in this worksheet may not be distributed outside this THIRA/SPR workgroup without coordination with North Carolina Emergency Management (NCEM) and is considered Unclassified//For Official Use Only (U//FOUO).

Invited by FEMA Region 8, NCEM staff traveled to Colorado to share about North Carolina's Threat and Hazard Identification Risk Assessment Program, how NCEM does annual threat hazard identification and its State Preparedness Report. NCEM developed worksheets to help SERC and SERT partners collect data regarding threats and capability gaps for each of the 31 core capabilities define by FEMA. FEMA cited North Carolina's approach as a best practice for both collecting the data *and* using it to determine funding uses to close identified capability gaps. These best practices were also shared at the National Homeland Security Conference in San Antonio.

# NCEM as an International Model



Environmental officials from Abu Dhabi learned about the state's hazmat capabilities and Regional Response Teams.

~ Oct. 16



# NCEM as an International Model

Tanzanian officials toured the EBO to about medical and other resources, and the EBO's ability to aid counties in response and recovery. EBO staff also provided the visitors with details about how counties make county-to-county and county-to-state requests through the WebEOC system.

~ March 3



# NCEM as an International Model



CBO Manager Steve Powers traveled twice to South Korea to share NC's experience on disaster preparedness and response and discuss national response policy and framework. South Korean Ministry of Public Safety officials followed up by visiting with NCEM officials and learning best practices from local and state level. ~ April, August & November



# Coal Ash Management Commission



While awaiting clarification about eligible commissioners, CAMC staff:

- visited 7 unique coal ash sites
- Released a Preliminary Report on Beneficial Use
- Developed a Coal Ash Primer & Basin Profile book
- Continued conducting research for beneficial uses of coal ash







NCHART teams trained monthly rotating through every region of the state. In the east, HART technicians worked with 12 county partners to perform water rescues after simulated airline crash. In the west, teams practiced urban area rescues from building and structures.



Nearly 40 NCHART technicians are called to rescue hikers trapped on rock ledges, people surrounded by rising water or stranded in the wilderness.





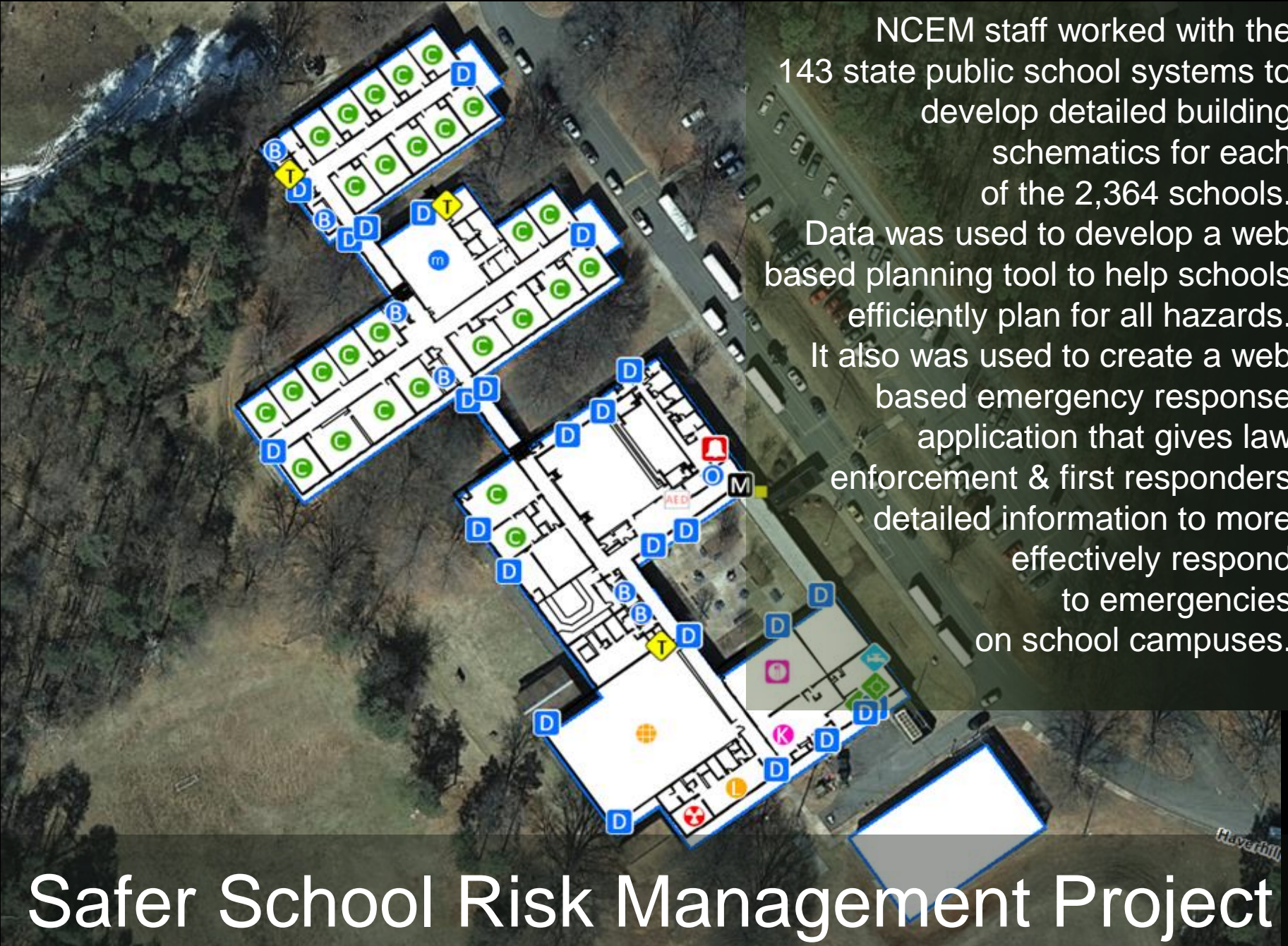
Regional Response hazardous materials teams supported multiple chemistry and technician schools, assisted with local exercises and presented at multiple LEPCs. RRT conducted several outreach missions with local responders statewide.



# Search & Rescue Training



NCEM partnered with local first responders from across the state to provide numerous search & rescue classes for wilderness, mountain, swift water, urban and helicopter programs. More than 1400 responders across the state participate in one or more of the 85+ state search and rescue teams that are responsible for saving lives and property during major disasters and daily mishaps.



NCEM staff worked with the 143 state public school systems to develop detailed building schematics for each of the 2,364 schools. Data was used to develop a web based planning tool to help schools efficiently plan for all hazards. It also was used to create a web based emergency response application that gives law enforcement & first responders detailed information to more effectively respond to emergencies on school campuses.

# Safer School Risk Management Project

# Improving Safety with Better Planning

NCEM staff worked with other state agencies to create mobile applications and web-based reporting tools that can help improve safety at a variety of facilities. Specific applications were created for child cares, licensed care facilities and mental health care facilities. Staff even developed a web-based tool that enables dam owners to better track and report safety of the state's medium to high-risk dams.

North Carolina  
**Risk Management Portal**  
*Preparing and protecting North Carolina's greatest assets*

Home Mapping and Analysis **Planning Tools** Clearinghouse

This page provides password-protected access to helpful tools for generating risk management plans. Each Risk Management Plan tool focuses on a specific hazard and/or vulnerable asset. Each tool provides hazard and vulnerability identification, consequence analysis, and development of risk management strategies.

- Child Care Emergency Preparedness and Response Plan
- County Disaster Recovery Plan
- Emergency Action Plan for Dams
- Flood Risk Management Plan
- Licensed Care Facility Risk Management Plan
- Mental Health Care Facility Risk Management Plan



# ReadyNC.org

The ReadyNC website was updated to include a Spanish version and improve accessibility for individuals with developmental disabilities. The site now includes a high contrast option, is accessible for screen readers and has American Sign Language video translations for many pages.



Planifique. Prepárese. Manténgase informado.

Home Planifique y Prepárese Manténgase informado Mi riesgo Recuperar y Reconstruir Participar Noticias

FMIS Floodplain Mapping Information System NC Floodmaps

Weathering the Storms: Improving North Carolina's Ability to Respond - Part 4

Click here for Ebola information

Descargue la aplicación gratis para móvil (en inglés)

**Tweets**

**N.C. DENR** @NCDENR 25 Nov  
New tool gives state officials easier access to emergency plans in case dam fails #NCDEMILR #NCPublicSafety bit.ly/1Fn144i  
Retweeted by NC Emergency Manager

**NC DHHS** @ncdhhs 5 Nov  
UPDATE: Additional Testing Confirms a Negative Result for Ebola for Patient at Duke University Hospital. For more: bit.ly/1uy91cm  
Retweeted by NC Emergency Manager

**NC DPH** @NCPublicHealth 3 Nov  
Preliminary NEGATIVE Result for #Ebola in Patient at Duke University Hospital owl/Difvd  
Retweeted by NC Emergency Manager

**NC DHHS** @ncdhhs 2 Nov  
Sec. Wos: We expect preliminary results of Ebola testing will be complete tomorrow (Monday) morning.  
Retweeted by NC Emergency Manager

Plan. Prepare. Stay Informed.

español accessibility high contrast Twitter Facebook YouTube RSS

Home  
My Risk

- Make a Plan
- Get a Kit
- Protect Your Home
- Insurance
- Vital Records
- Evacuating
- Emergency Alerts
- Seniors
- Functional Needs
- Pets

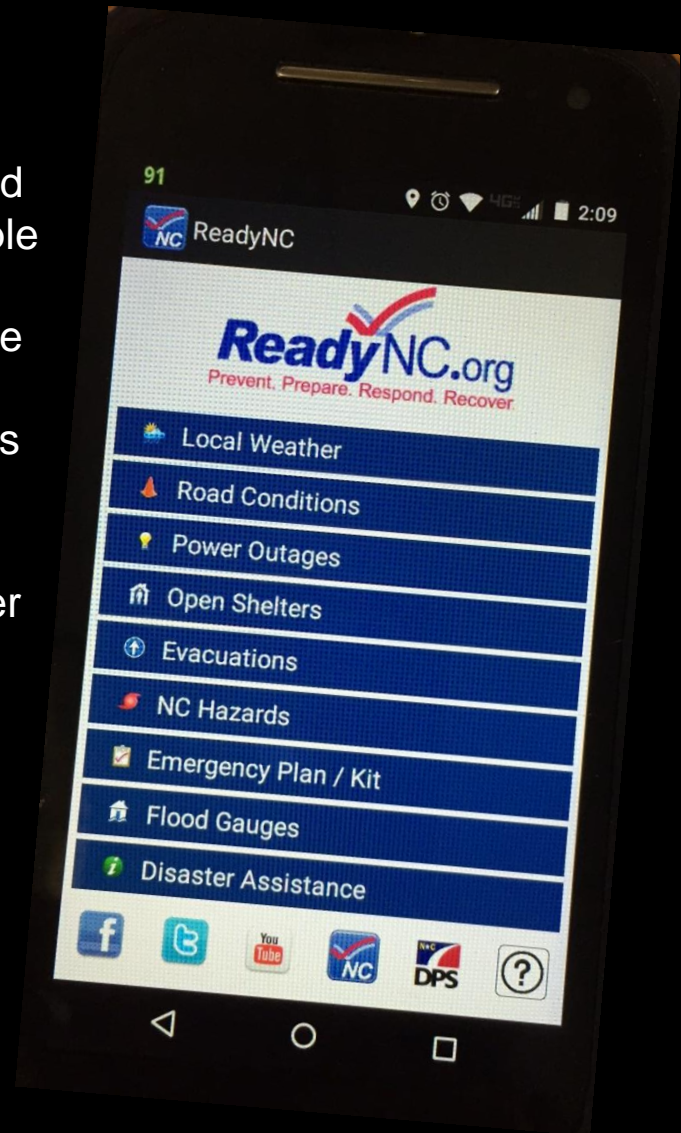
Download our NC free mobile app

Get a Kit

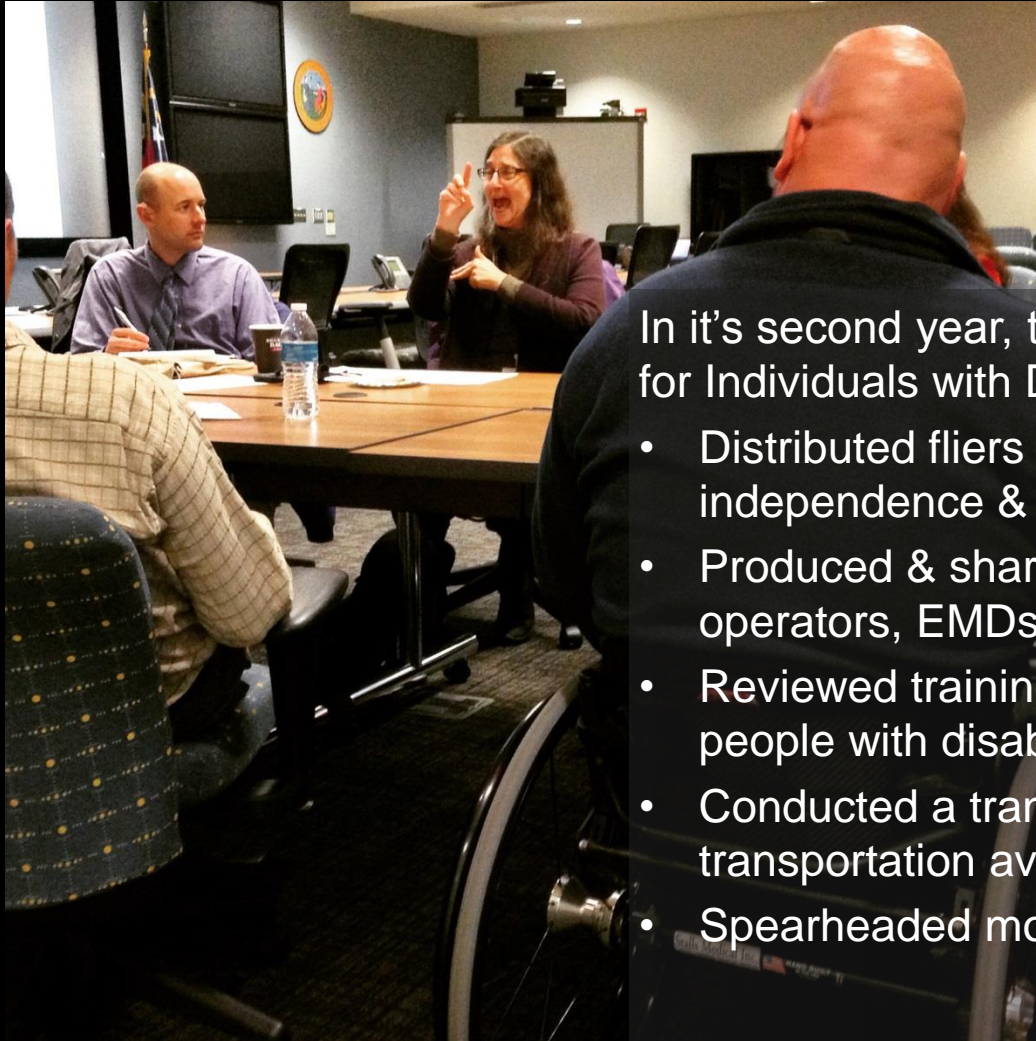
# Updating the ReadyNC App

By the end of its second year, 53,500+ users had downloaded the ReadyNC mobile app (Apple & Android combined). In 2015, the app was updated to provide more detailed evacuation information and locations/hours of operations for disaster recovery help centers.

~ November



# Emergency Preparedness Initiative



In it's second year, the Emergency Preparedness Initiative for Individuals with Developmental Disabilities:

- Distributed fliers to help homebound residents maintain independence & be prepared for emergencies
- Produced & shared 600 Show Me tools to shelter operators, EMDs & first responders
- Reviewed training materials to include more images of people with disabilities
- Conducted a transportation survey to identify types of transportation available, vehicle functions & capacities.
- Spearheaded modifications to [www.ReadyNC.org](http://www.ReadyNC.org).





## SERC Meetings

The 19-member State Emergency Response Commission met quarterly to review, assess, plan and implement projects and procedures to protect North Carolina residents and the environment through effective emergency planning. Topics for 2015 included homeland security, cyber security, Avian Influenza and the chemical industry in North Carolina and nationwide.

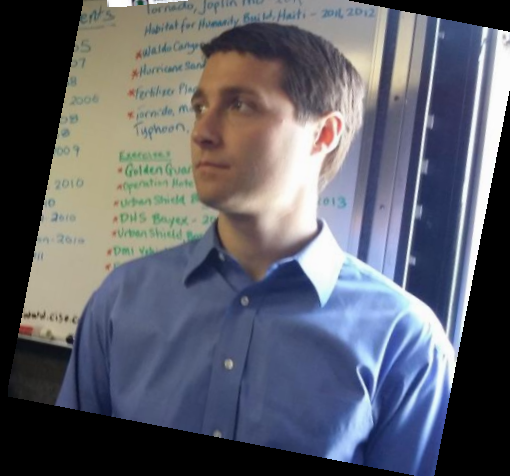
# Partnering with the Private Sector

In it's first full year, NCEM trained dozens of private sector partners on WebEOC and resource manager so they could report available resources & equipment. The Business EOC was activated to support winter storms & participated in the statewide exercise. Best practices also were shared with six other states.



# The Faces of NCEM





# The Faces of NCEM





# The Faces of NCEM





# The Faces of NCEM

## CENTRAL BRANCH





# The Faces of NCEM

