



**North Carolina Emergency Management**

**North Carolina Office of Recovery and  
Resiliency**

**2020 Year In Review**

# COVID-19






**STAY HOME,  
SAVE LIVES**

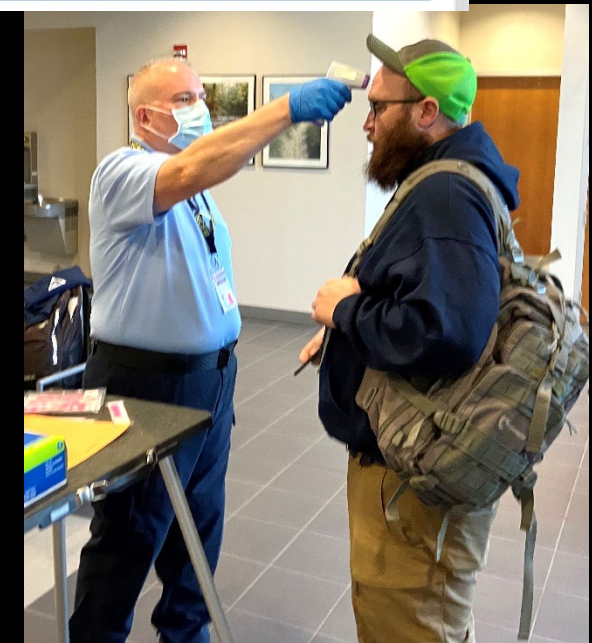
We all need to do our part to slow the spread of COVID-19.

Protect your family, protect your neighbors, protect North Carolina.

@NCDHHS • #COVID19NC

If you leave home, know your 3 Ws!

 <p><b>WEAR</b> a cloth mask over your nose and mouth.</p>	 <p><b>WAIT</b> 6 feet apart. Avoid close contact.</p>	 <p><b>WASH</b> your hands or use hand sanitizer.</p>
<p>@NCDHHS</p>		<p>#StayStrongNC</p>



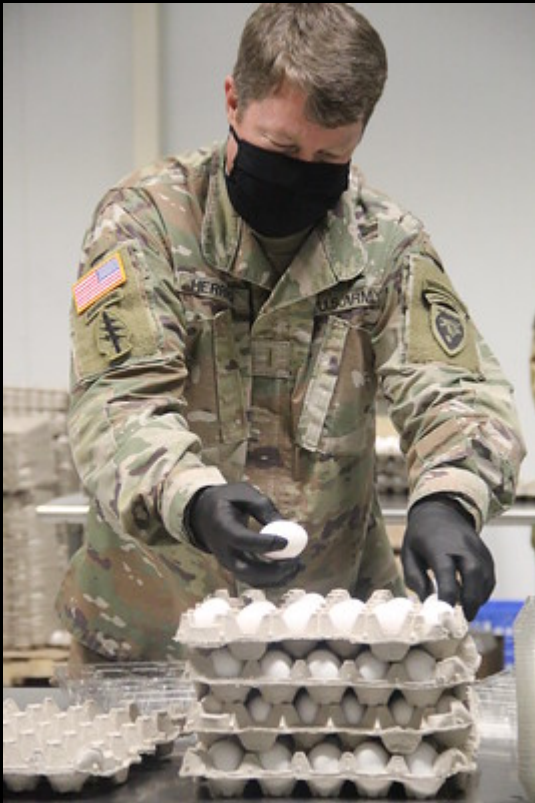
# COVID-19 Warehouse Operations



# COVID-19 PPE distribution



# COVID-19 Food Bank Support



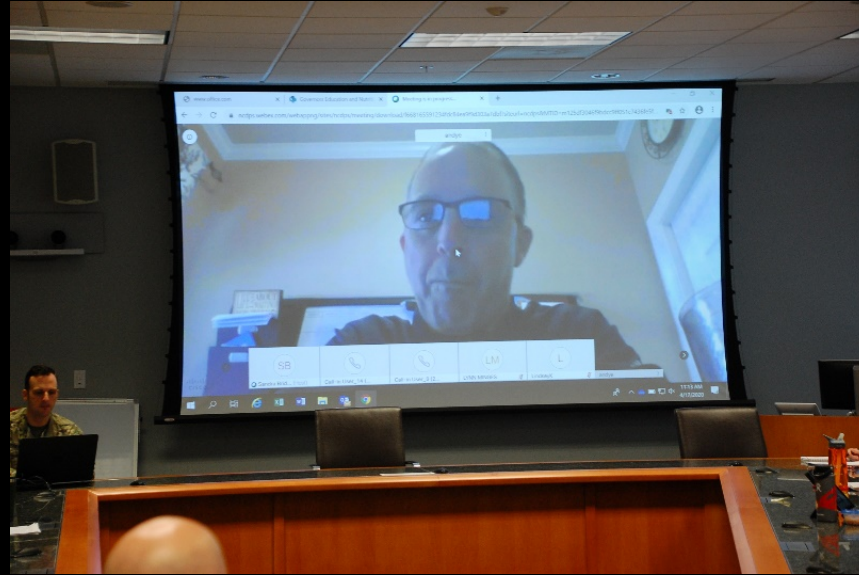
# COVID-19 School feeding support



# COVID-19 Testing Site Support

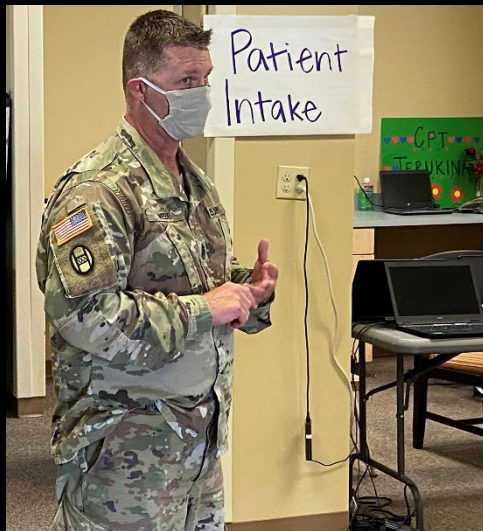


# COVID-19 Food Supply Chain Workgroup





# COVID-19 Hamlet Medical Shelter



# COVID-19 Hamlet Medical Shelter





# Structural Engineers to Puerto Rico

## Magnitude 6.4 Earthquake – January 7, 2020

Two teams of USAR structural engineers and building inspectors from OSFM deployed to help with post-earthquake damage assessments and safety inspections.





Emergency Management Assistance Compact

# Structural Engineers to Puerto Rico

Branch IV: Guánica Communication Lifelines- 07 January 2020, 1400 AST  
Puerto Rico Joint Recovery Office



Data Layer / Map Description:  
This map displays Communications Lifelines in Guánica.





# Mobile Hospital to Atlanta

Elements of North Carolina's mobile disaster hospital were deployed to Grady Hospital in Atlanta in 2019 and stayed for for several months after a water pipe burst and flooded several floors of the hospital.



# Emergency Management Forums

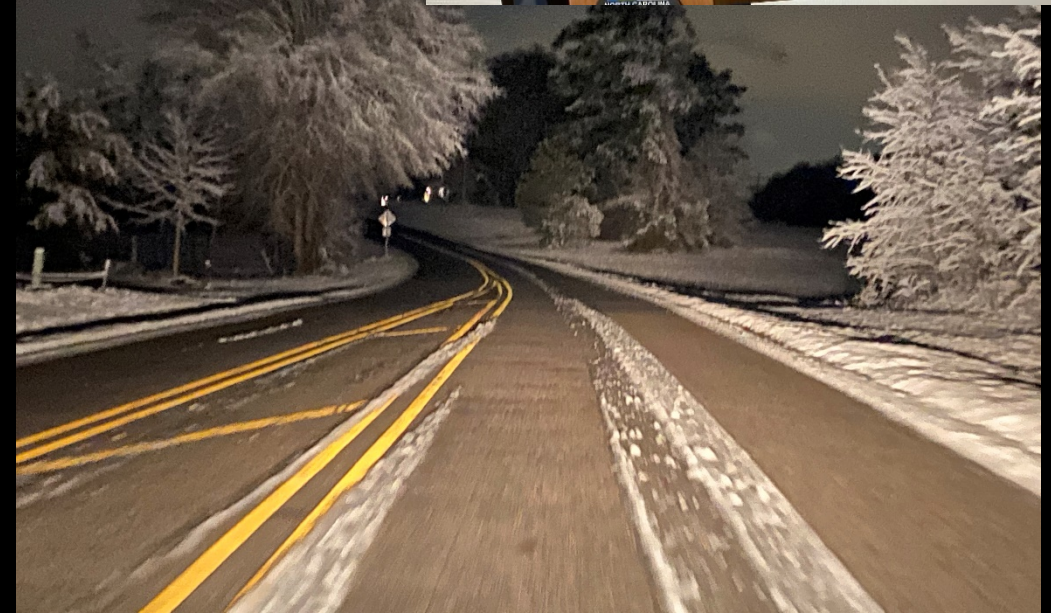
**WEST**  
Morganton – Jan. 14

**CENTRAL**  
Hillsborough – Jan. 15

**EAST**  
Kinston – Jan. 21



# February 2020 Winter Weather



# February Severe Weather Floods/Tornadoes

February 6-19

NFIP claims paid:  
more than \$1 million

DR-4543

Public Assistance for 19 Counties

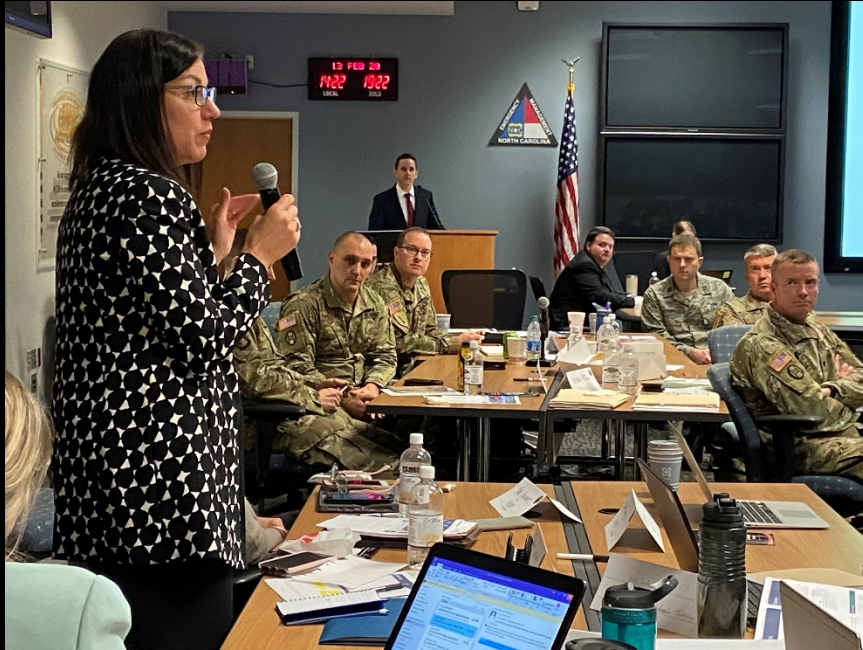


Public Assistance  
projects:  
more than  
\$4.1 million





# Secure the Vote – Table Top Exercise – Feb 13

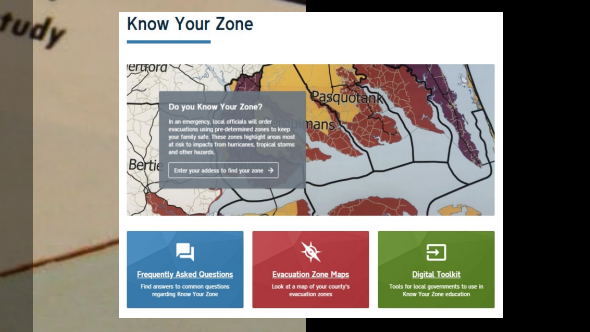


# Know Your Zone

May 12

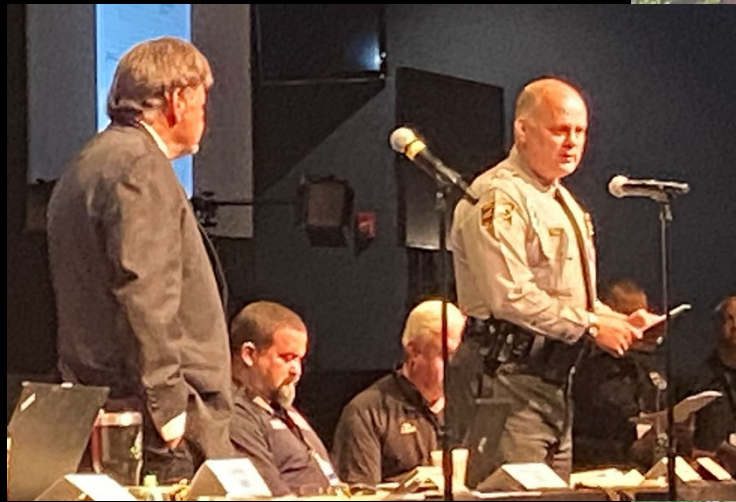


After nearly two years of planning, and a year-long pilot in three counties, Know Your Zone officially launched in May, with a news conference and advertising via billboards, and broadcast and social media ads in English and Spanish.



# George Floyd Memorial Service – Hoke County

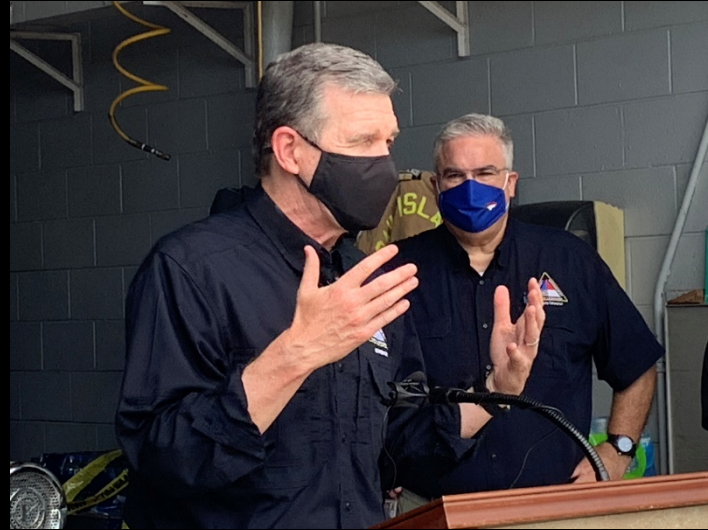
June 6



# Hurricane Isaias

## Oak Island

August 4



# Hurricane Isaias

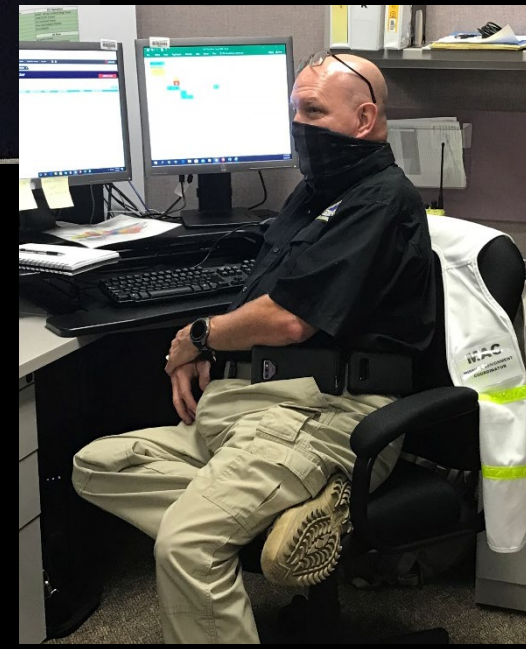
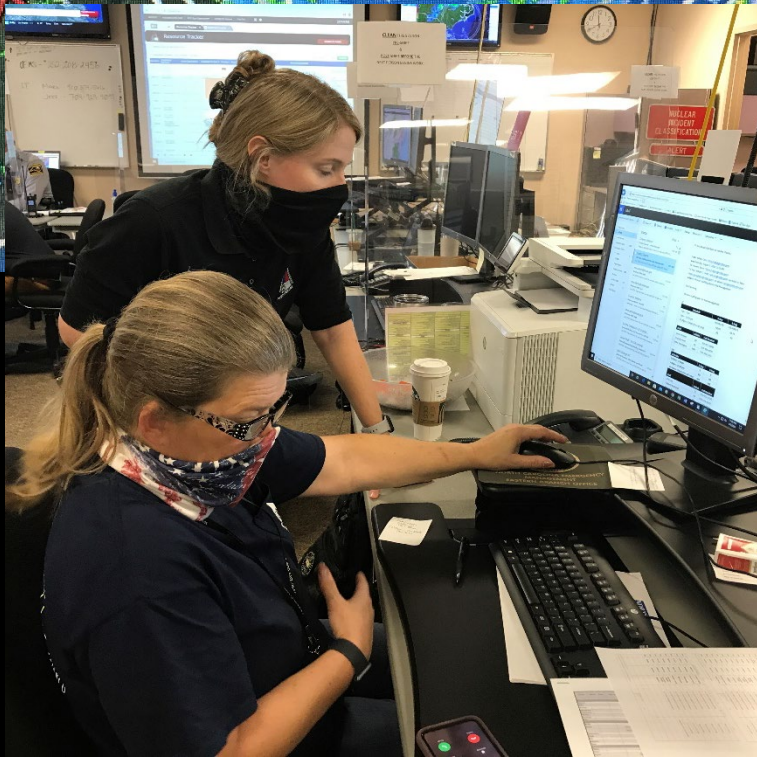
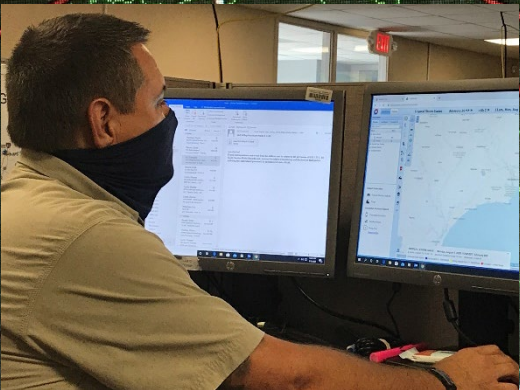
## Bertie County Tornado

August 5



# Hurricane Isaias

## Eastern Branch Office

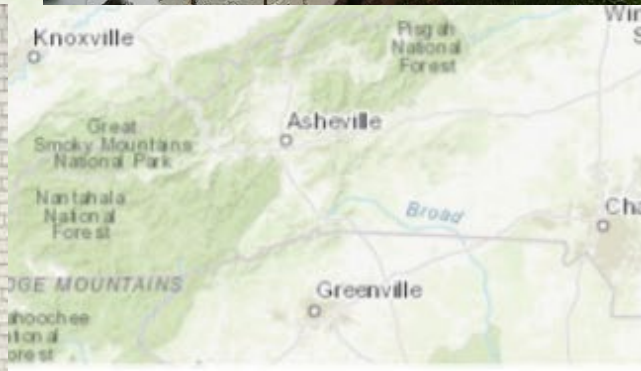
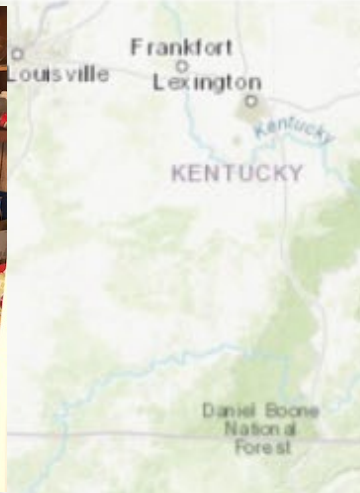


# Sparta Earthquake

August 9

## M 5.1 - 3 km SE of Sparta, North Carolina

2020-08-09 12:07:37 (UTC) | 36.479°N 81.098°W | 9.2 km depth



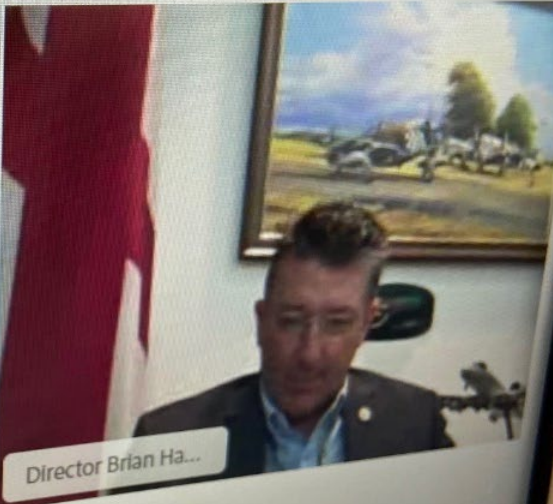
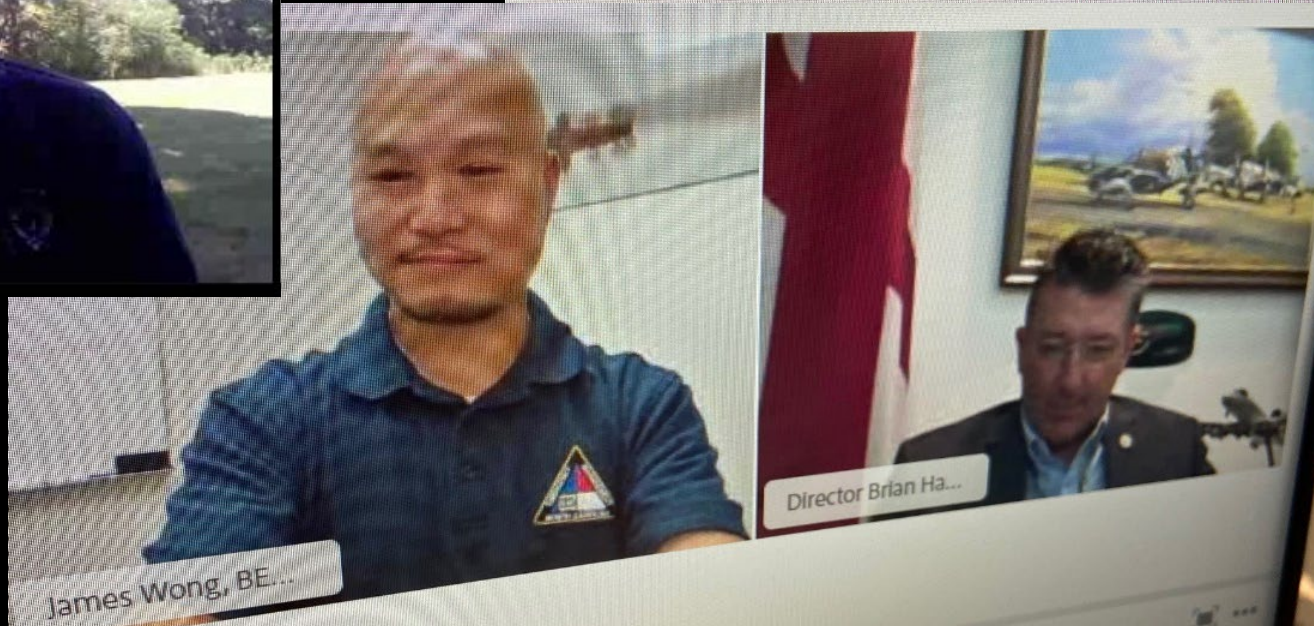
# Sparta Earthquake





# Southeast Private Sector Partnership Summit

August 10-13



# Republican National Convention in Charlotte



August 22-24



**REPUBLICAN NATIONAL CONVENTION**

AUG 24, 2020 | 6 AM to 4 PM





# Water rescue teams to LA for Hurricane Laura

August 27-28



USAR Task Forces from Charlotte and Greensboro deployed in response to a request from Louisiana after Hurricane Laura – but the request was cancelled while teams were enroute.



# Great Southeast Shakeout Earthquake Drill

October 15



**Johnston County Public ...** Nov 5

Johnston County Public Schools will participate in the Great ShakeOut, our yearly earthquake drill, on Friday, Nov. 6 at 10:15 a.m. Read more about the Great Shake Out and tips on how to stay safe during an earthquake by visiting:

[shakeout.org/whyparticipate/](https://shakeout.org/whyparticipate/)



🗨️ ↻ 1 ❤️ 3 ⋮

# Catawba Nuclear Station Exercise

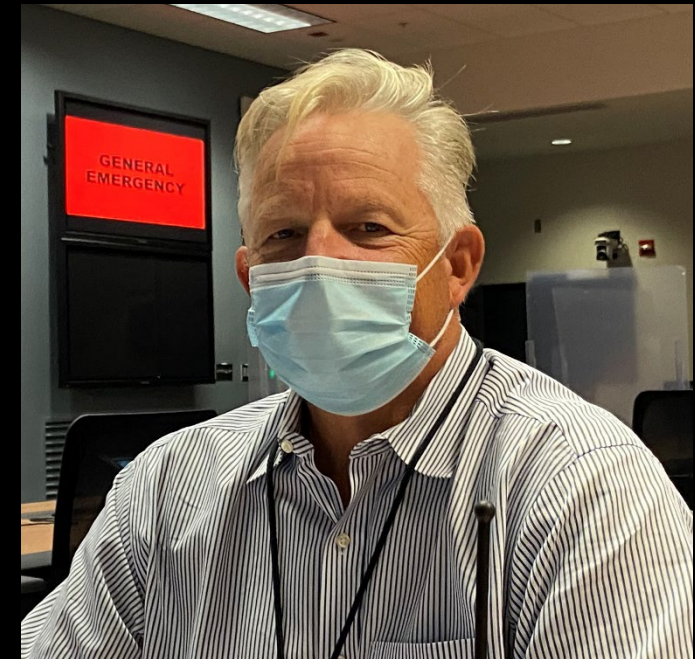
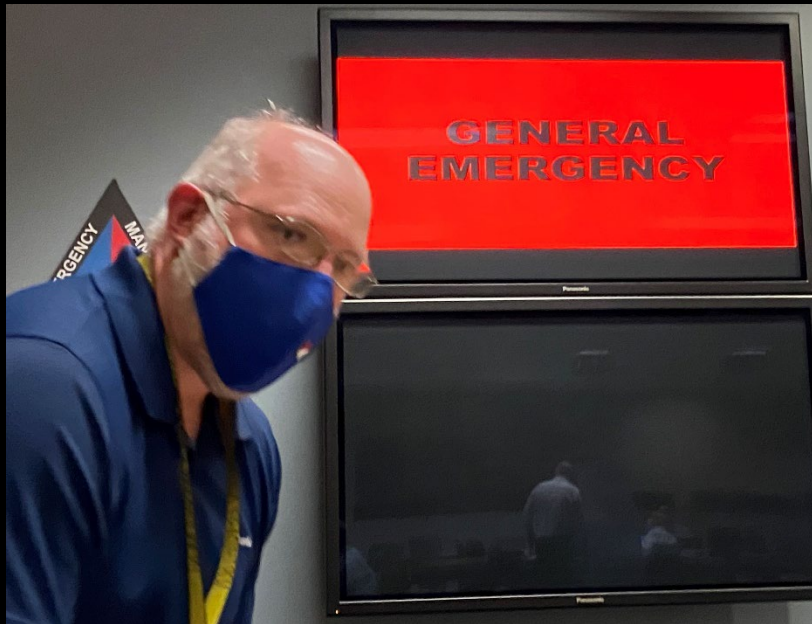
North and South Carolina, along with York, Mecklenburg and Gaston counties tested their coordinated response to a radiological incident at the Catawba Nuclear Station. Sept. 24 & Oct. 27



# Brunswick Nuclear Plant Exercise



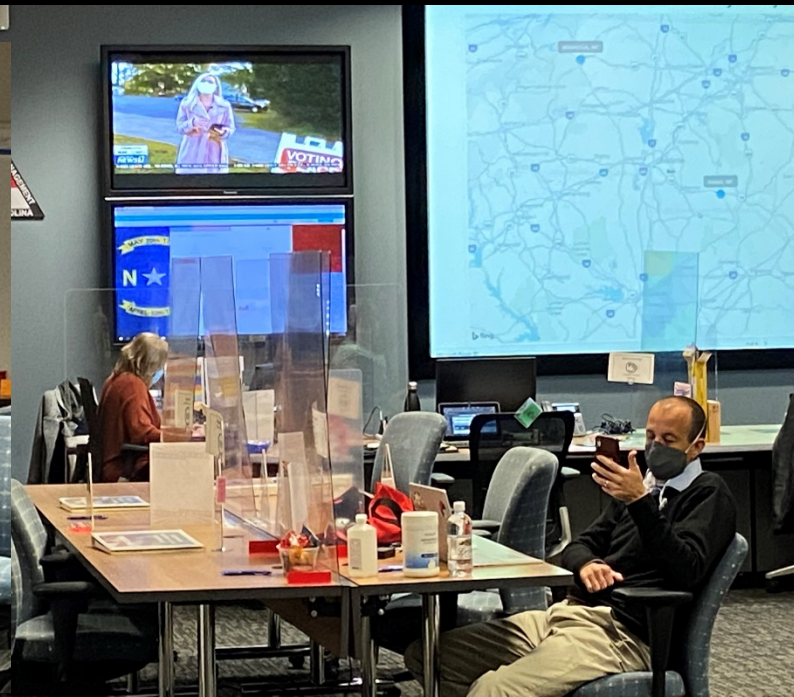
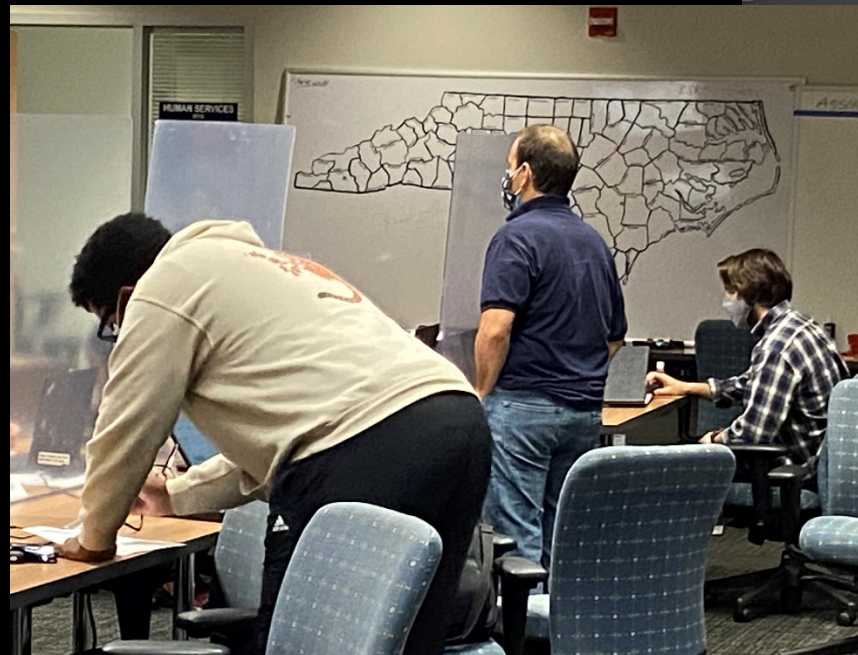
Brunswick and New Hanover counties, NCEM, Duke Energy and SERT partners exercised plans for response to a nuclear emergency at the Brunswick Nuclear Plant in Southport. Oct 28 & Dec 1





# Election Day

November 3



# Flooding / Tropical Storm Eta

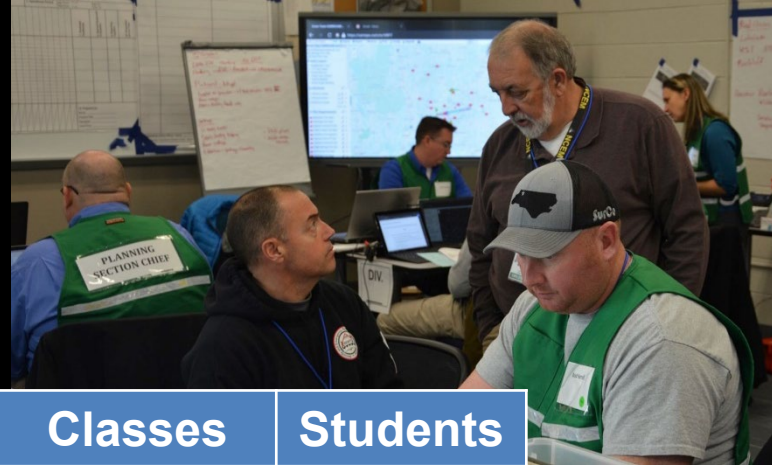


Nov. 12-13





# Providing Essential Training



	Classes	Students
Incident Management and Command	85	1,340
Floodplain	7	360
Search & Rescue	54	819
Hazardous Materials	3	41
Public Information/Communication	5	51
Active Assailant	6	117
Radiological Emergency Preparedness	6	275
Community Emergency Response Team	70	313
Other Federal Training	24	293
Other State Training	59	1,829
<b>TOTAL</b>	<b>319</b>	<b>6,890</b>



# Search & Rescue Training

Hundreds of responders trained with NCEM on various types of SAR operations including:

- Wilderness search classes
- Mountain search classes
- Eastern SAR exercise
- HART training
- Swift water boat operators course
- Advanced swift water boat operators course
- Land search field team training



# NCHART

NC HART combines aviation assets from NCNG & SHP using 3 platforms (NCNG's Blackhawk & Lakota and the Highway Patrol's Bell 407s). Each platform trains monthly with qualified rescue technicians from local fire and rescue agencies.



## In 2020, NCHART crews...

- Flew seven missions in Avery, Haywood, Stanly, Stokes and Transylvania (3) counties.
- Numerous training events
- Cross-training technicians continues



# Civil Air Patrol



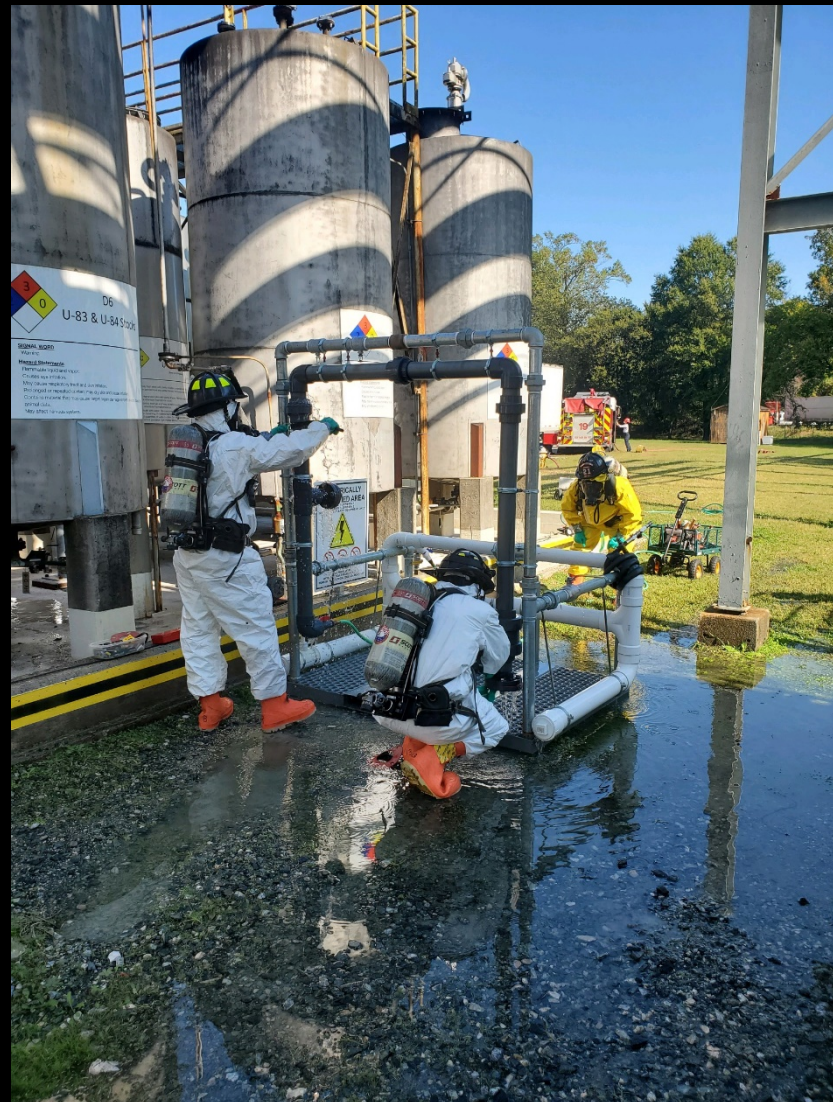
CAP was actively involved in PPE transportation and distribution, traveling more than 50,000 miles to deliver PPE supplies in 27 NC Wing vehicles.



NC Regional Response Teams provide support to locals during chemical releases, criminal acts and transportation incidents. In 2020:

- Responded to 33 state hazmat missions
- Handled hundreds of local missions
- Introduced NC Hazmat Worst Case Analysis Tool
- All 7 RRTs under new contract for next five years

# HazMat Response & Training



# CERT Training and Response

- With the addition of one new program in Moore County (Whispering Pines), North Carolina now has 93 Community Emergency Response Teams trained in basic disaster response skills – in 52 counties. 2,095 volunteers
- Many local monthly meetings on Zoom.
- CERT training – 117 in-person and 69 through OnlineCERT.org
- 27 CERT volunteers helped staff a POD in Bertie County for six days after tornado
- Hatteras Island CERT assisted with damage assessment and storm cleanup after several storms
- Chatham CERT assisted with HART training



# Hurricane Dorian Recovery - Ocracoke



- Debris removal complete
- 200+ home elevations in development through Hazard Mitigation
- Travel trailers provided
- VOAD repairs continuing
- New school under construction



# Hazard Mitigation

*Before*



*After*







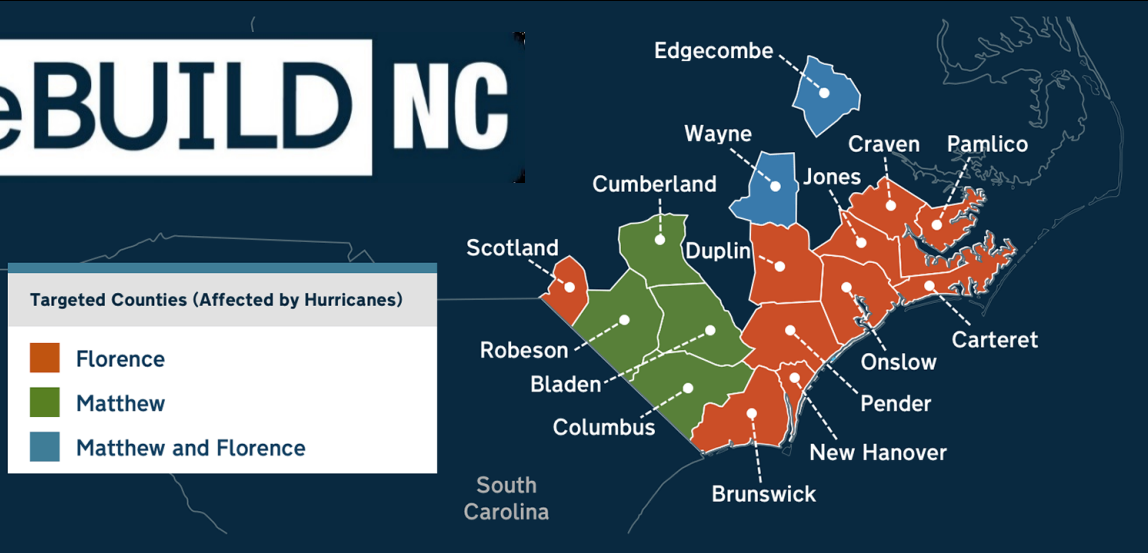
# NCORR

NORTH CAROLINA OFFICE OF RECOVERY AND RESILIENCY

- Homeowner Recovery Program launched throughout Eastern North Carolina
- Repairs, reconstructions and elevations
- Nearly 3,200 applications received



## ReBUILD NC



Columbus County - Reconstruction



- One year of On-Pace HUD spending status
- More than \$205 million awarded to homeowners, small businesses local governments
- Funds to NC Housing Finance Agency for new affordable housing projects





NORTH CAROLINA OFFICE OF RECOVERY AND RESILIENCY

## BUILDING ON HIGHER GROUND:

COMMUNITY RESILIENCE STRATEGIES FOR THE STORMS TO COME

PRESENTED BY



A BUILDING OF WARMTH AND LIGHT: STRATEGIES TO SUPPORT RURAL LEADERS FACING CHALLENGING CONDITIONS

OCT 28 | 11:00 AM



## NATURAL HAZARDS RESILIENCE

A QUICK START GUIDE FOR NORTH CAROLINA COMMUNITIES

North Carolina Office of Recovery and Resiliency, a division of the North Carolina Department of Public Safety



MARCH 2020



North Carolina

## Climate Risk Assessment and Resilience Plan

Impacts, Vulnerability, Risks, and Preliminary Actions

A Comprehensive Strategy for Reducing North Carolina's Vulnerability to Climate Change

June 2020



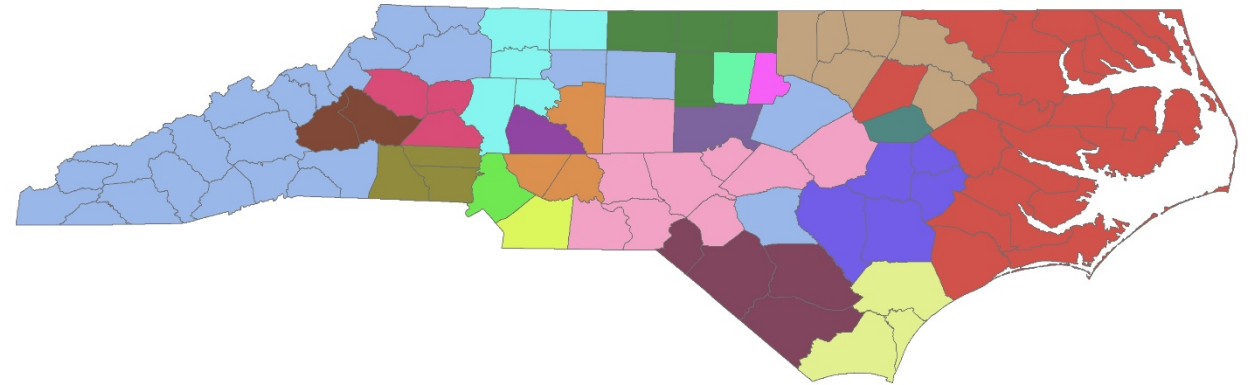


HOUSING OPPORTUNITIES + PREVENTION OF EVICTIONS



NORTH CAROLINA OFFICE OF RECOVERY AND RESILIENCY

## HOPE Program Community Partner Coverage



HOPE rent and utility assistance program launched during pandemic



42,500 + participants

\$13 million + distributed

### Legend

#### Counties by Community Partners

#### Partners

- |   |  |   |
|---|--|---|
| Central Piedmont Community Action (1)         | Family Abuse Services (4)                | Orange County (1)                       |
| Charlotte Mecklenburg Housing Partnership (1) | Family Care Center of Catawba Valley (3) | Partners (3)                            |
| Community Link (3)                            | Good Shepherd (3)                        | Rowan Helping Ministries (1)            |
| Diakonos (5)                                  | Greene Lamp (5)                          | Southeastern Family Violence Center (4) |
| Durham DSS (1)                                | Hope Station (1)                         | The REACH Center (6)                    |
|   | Johnston Lee Harnett (9)                 | Trillium (22)                           |
|   | Legal Aid (24)                           | Union County Community Shelter (1)      |
|   | McDowell Mission Ministries (2)          |   |



NORTH CAROLINA OFFICE OF RECOVERY AND RESILIENCY

## Grants and Loans

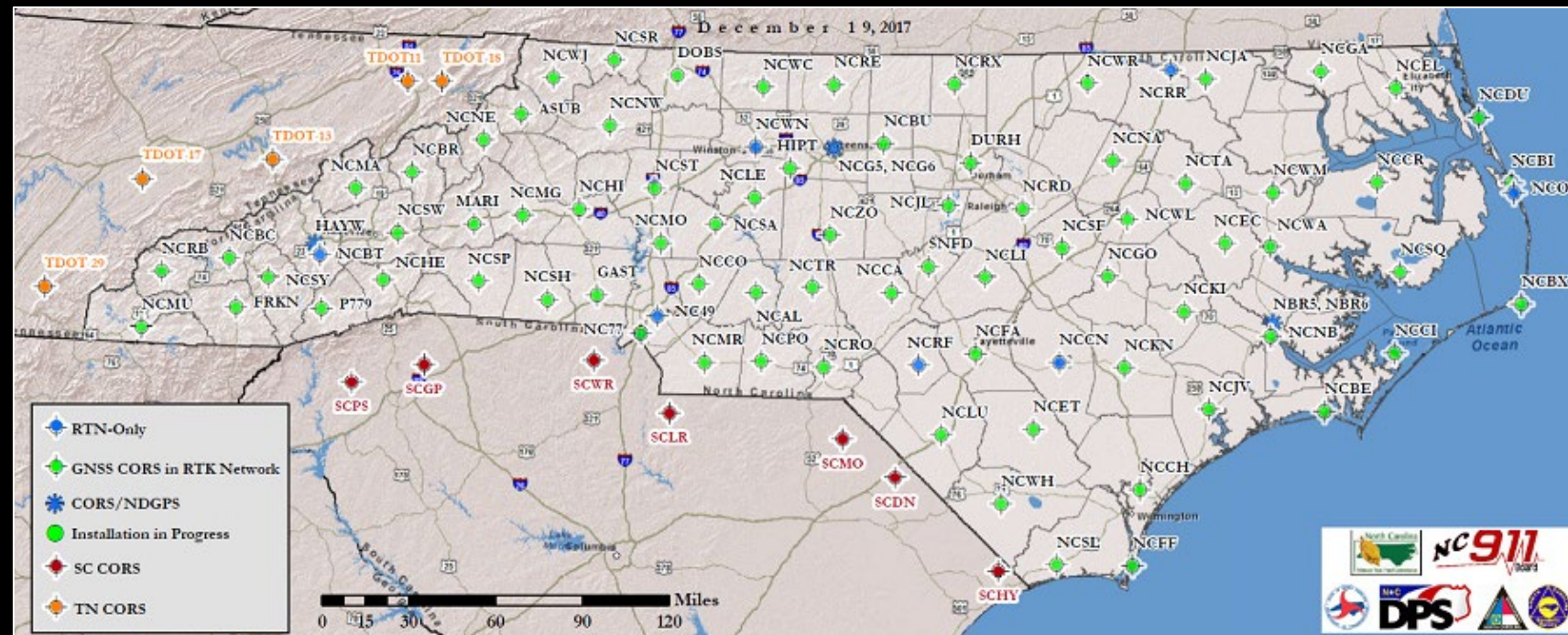
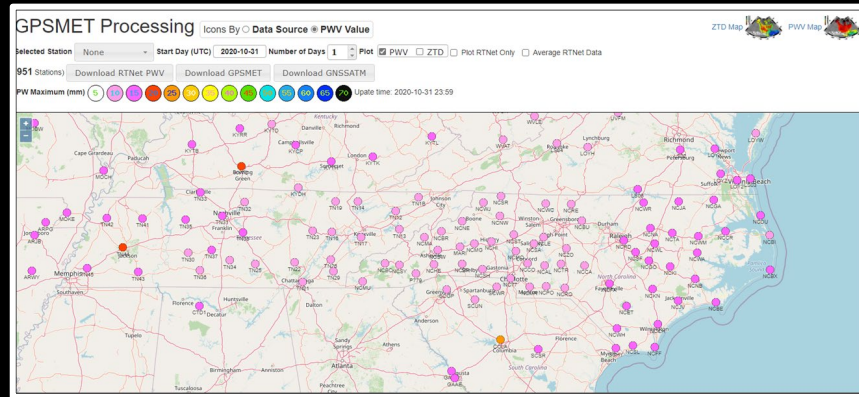
- Nearly \$50 million in state-funded grants and loans to local and tribal governments
- Infrastructure projects, reconstructing community buildings, operating expenses, disaster recovery support



# Continuously Operating Reference Station (CORS) Network

## Supports Public Safety Applications

- Floodplain mapping
- FIMAN
- SERA
- 911
- Statewide aerial imagery project
- Statewide LiDAR elevation project
- High water mark data collection
- NOAA Weather Forecast
- Earthquake Monitoring
- Recovery/Mitigation



Solar Powered CORS at Oregon Inlet

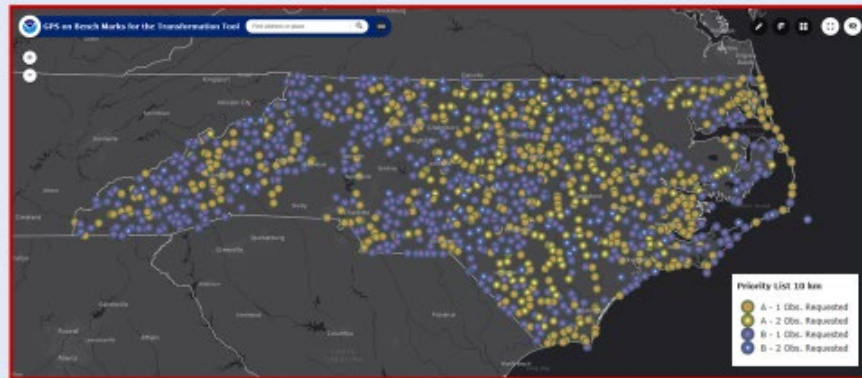


# Preparing NC for the 2024 Datum Change

## National Geodetic Survey GPS on Bench Mark Project

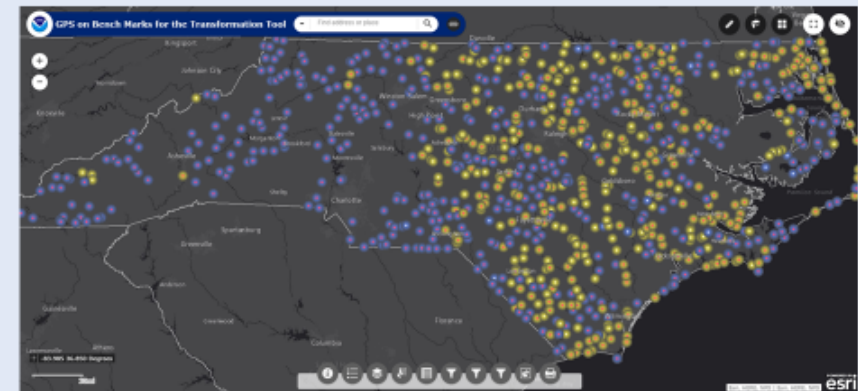
### National Geodetic Survey GPS on Bench Marks 2020/2021

- 2020 (As of 1/1/2020)
  - NGS has prepared a list of geodetic monuments for GNSS data collection



### National Geodetic Survey GPS on Bench Marks 2020/2021

- 2020 (status as of 12/1/2020)
  - NGS has prepared a list of geodetic monuments that we review for possible GNSS data collection



# NC SPARTA (WebEOC) New Features

Made dozens of modifications during the COVID response:

- Developed a non-congregate shelter application to include a WebEOC board and external website
- Modified the Logistics inventory views and processes in Resource Tracker
- Adjusted multiple Public Health positions to allow requesting on behalf of counties
- Developed capability for counties to create a summary report within the County Summary board
- Made multiple updates to Resource Tracker due to COVID response
- Created multiple reports
- Created an Risk Management Accounting application to work in coordination with NCAS
- Developed a WebEOC Customization board to input requests and prioritize

**NC BEOC**  
NORTH CAROLINA BUSINESS EMERGENCY OPERATIONS CENTER

## Non-Congregate Shelter

Enter your email to begin the process. A code will be provided via email. Once the code is entered, you will then be able to select the County and Hotel for the MOA. Review and approve the MOA and a final email will notify you that the MOA is signed.

### Memorandum of Agreement (MOA)

Click to begin the Non-Congregate Shelter MOA process. For hotel owners and/or their legal representative. You must have been in contact with the NCEM BEOC or one of their representatives for vetting prior to beginning this process. You will be asked to validate your hotels and give contact information for each. Afterwards, you will be presented with the MOA for e-signature. A summary email will be sent to you.

[MOA](#)

### Survey

Click to begin the Non-Congregate Shelter Survey process. For hotel management and/or hotel points of contact. You must have been in contact with the NCEM BEOC, one of their representatives, or your information was entered by the hotel owner or legal representative for vetting prior to beginning this process. You will be given a quick survey of hotel rooms, availability status, and booking. A summary email will be sent to you.

[Survey](#)

**Risk Management Accounting**

### Cost Centers

[Create New](#)

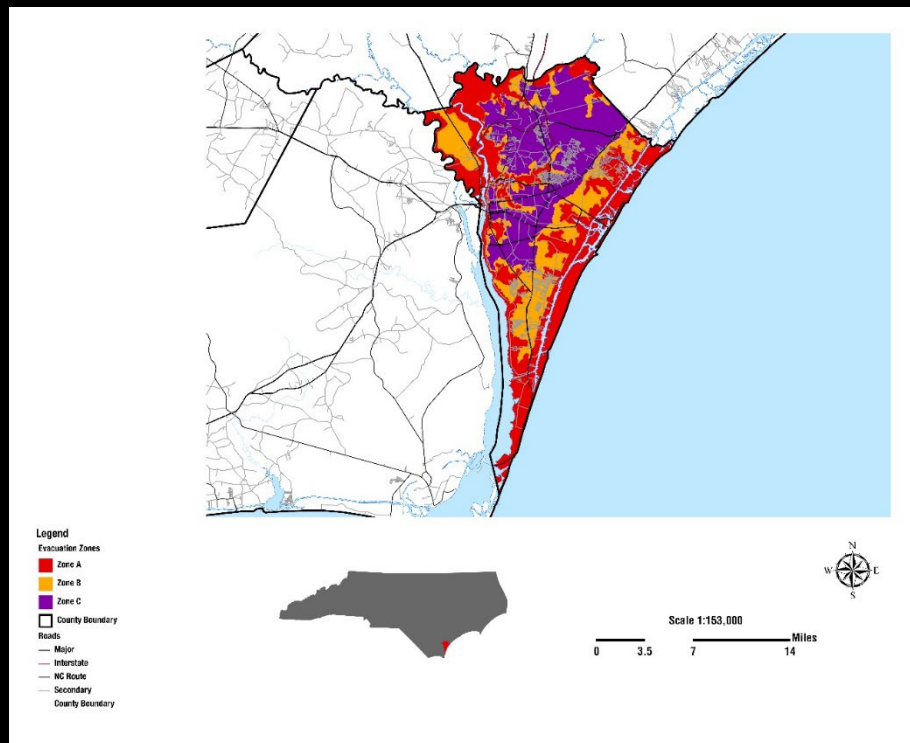
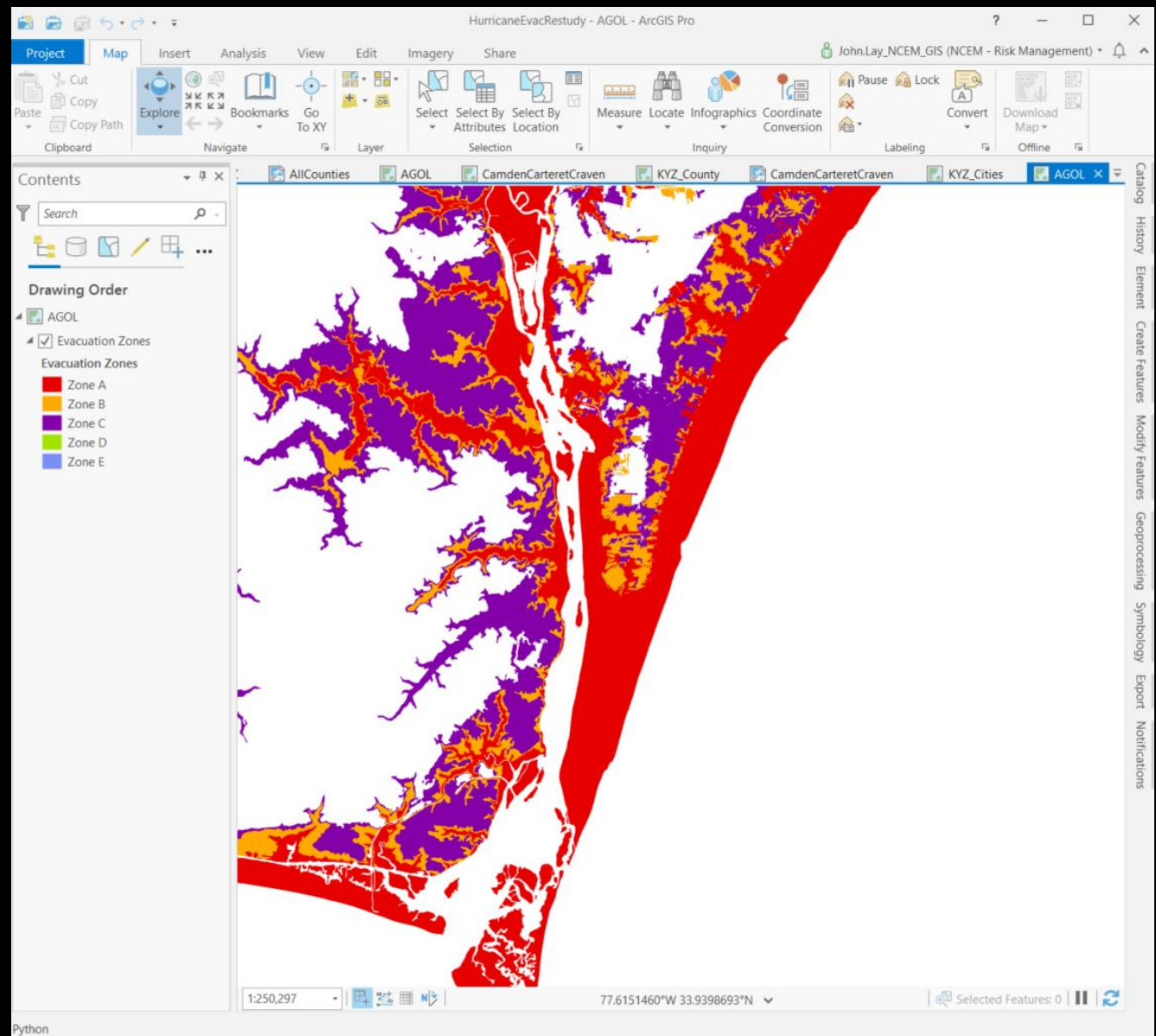
Show  entries

	Cost Center	Grant	Title	Period of Performance	Extension	Budget	In Pr Cont
+	1017-0021	Dane 200k operating budget	Dan's operating money	2021-06-30		\$200,000.00	\$100,000.00
+	1504-8006-3C10	LOMC	FY20 LOMC	2022-09-30		\$210,000.00	\$102,000.00
+	1504-8006-3C16	LOMC	FY16 LOMC	2018-02-28	2021-02-28	\$336,000.00	\$333,000.00



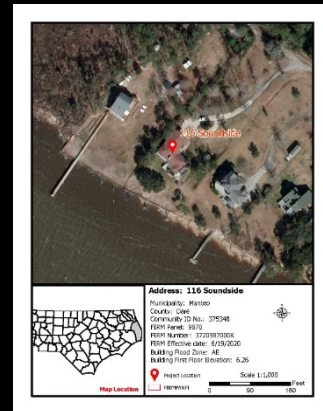
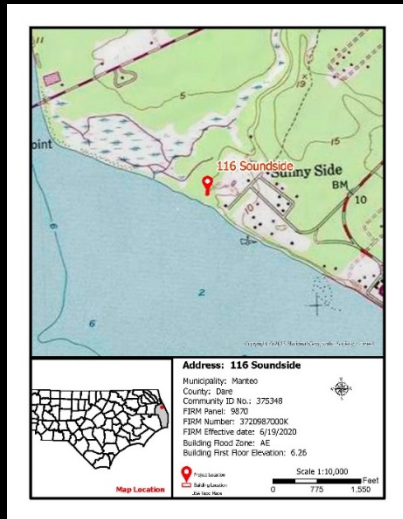
# Know Your Zone

- Coordinated with the Natural Hazards to complete the Know Your Zone maps for the ReadyNC app
- Assisted several counties with formatting their evacuation zones.



# Automating Hazard Mitigation's Map Products

- Streamlined the Hazard Mitigation property map process for faster turnaround
- Working to map 5,200+ past buyout sites



**Address: 40 Sarah Ellen Drive**  
 Pin Number: 9500-69-3928

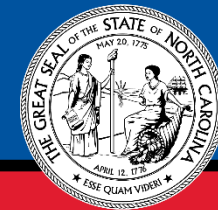
County: HYDE COUNTY Description: LOT 13, UPLAND TRENT  
 Municipality: Ocracoke Acres: 0.3  
 Community ID: 95-406 Heated Sq Feet: 1666  
 Deed Ref: 95-406  
 Plat: 85-478

Scale 1:1,500

9.527, 0.787

# SERC Meetings

The State Emergency Response Commission met four times this year to review, assess, plan and implement projects and procedures to protect North Carolina residents. The January meeting was in person, all other meetings were virtual.



**State Emergency  
Response Commission**  
October 16, 2020

# Preparing Communities

- Severe Weather
- Hurricane
- Winter Weather
- Great Shakeout
- Preparedness Month
- Know Your Zone



In partnership with the National Weather Service, NCEM led four campaigns to prepare North Carolinians for various types of severe weather including tornadoes, hurricanes, snow and ice. Materials were sent to county emergency management agencies, issued by Governor's office and pushed across social media platforms.

WINTER WEATHER  
**BE READY**

- Make a family communications plan.
- Restock your emergency supplies kit — include rock salt, sand, snow shovels and heating fuel.
- Bring pets inside.
- Use charcoal grills and generators OUTSIDE only. The fumes can be deadly.

**EMERGENCY KIT**

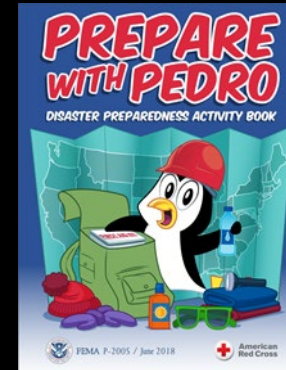
- Water (1 gallon/person for 3-7 days)
- Food (non perishable)
- Cell phone & charger
- Blanket & pillow
- Seasonal changes of clothes & sturdy shoes
- Prescription drugs & first aid kit
- Toiletries
- Flashlight & extra batteries
- NOAA weather radio
- Cash
- Important documents

**BE DISASTER READY**

- Make a family communications plan.
- Build an emergency supplies kit.
- Stay informed.
- Make sure you have a way to receive weather alerts.
- Check ReadyNC.org for updates.

**Just 1 inch of water can cause \$25,000 of damage to your home.**

GET FLOOD INSURANCE





# Podcast

## Rebuilding Smarter Through Hazard Mitigation



**Steve McGugan**  
NCEM Assistant Director

**Jason Pleasant**  
Hazard Mitigation Development Manager



## Winter Weather Preparedness



Sgt. Marcus Bethea  
NC State Highway Patrol



Kevin Kalbaugh  
Meteorologist



Diana Thomas  
Meteorologist



WHERE TO LISTEN



# 110+ News Conferences for COVID-19



Home Our Organization DPS Services Careers That Matter About DHS

## News Conference - Live Streams

English Web Stream

Next media update at 2 pm Thursday, April 30

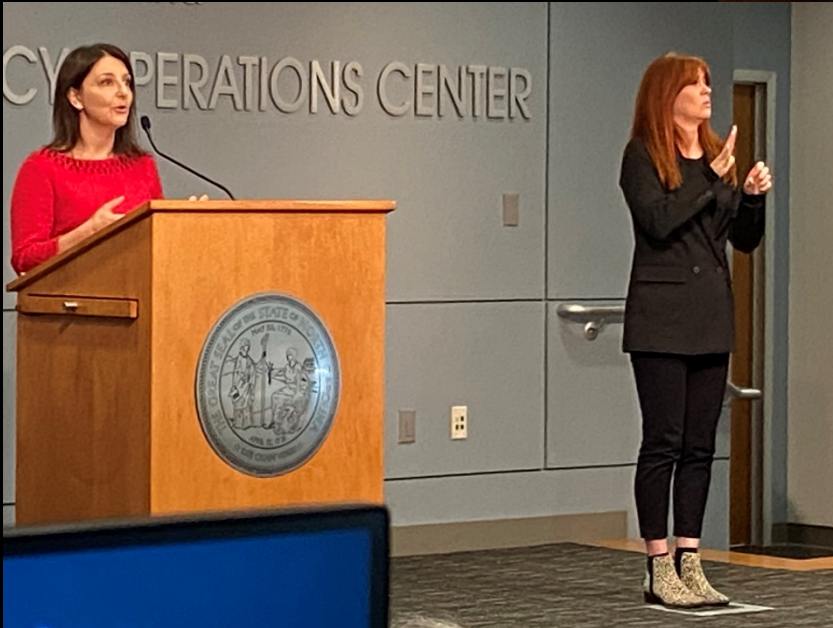
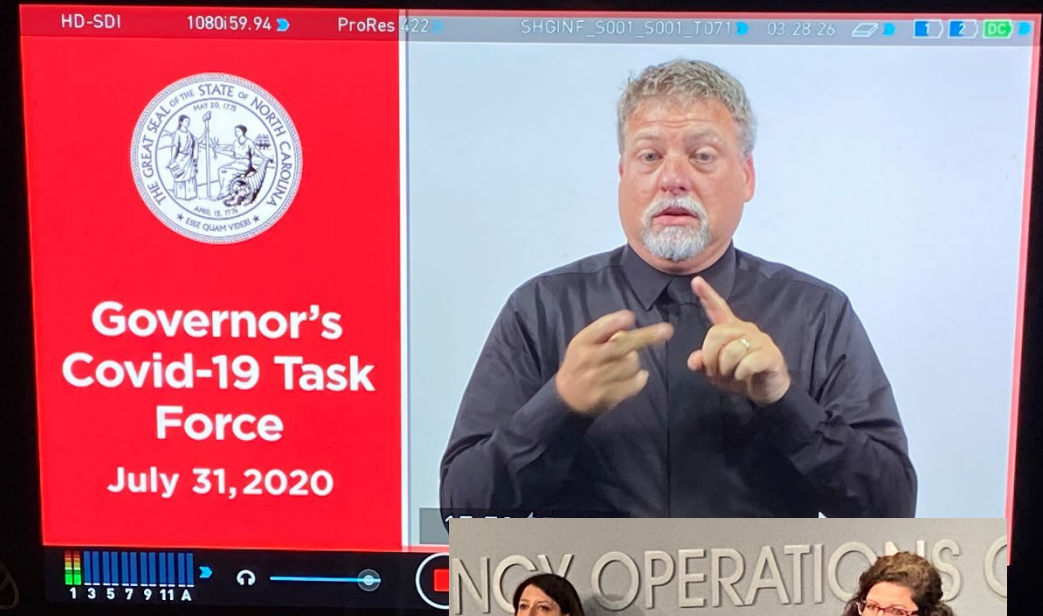
Spanish Web Stream

American Sign Language Web Stream

# Interpreting News Conferences into Spanish



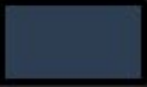


# American Sign Language





- ✓ 7 universities
- ✓ 9 communities
- ✓ 5 military sites
- ✓ 2 commercial sites



	<b>StormReady [91]</b>
	<b>StormReady and TsunamiReady [5]</b>
	<b>No Status [9]</b>

- 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

# Happy Holidays!

