Governor's Legislative Briefing on Flood Operations
Wednesday, October 21, 2015 at 1:00 p.m.

I. Preparation and Response Operations:

a. Governor's Actions and Declarations:

   i. Executive Order – Declaring a State of Emergency, activating the State Emergency Operations Plan, standing up the State Emergency Operations Center, and calling the National Guard to State Active Duty Status
   ii. Requested and Approved – Direct Federal Assistance and a Presidential Major Disaster Declaration for Public and Individual Assistance

b. State Preparation and Life-Safety Operations:

   i. Infrastructure – Roads, Bridges, and Dams
   ii. Law Enforcement – Security, Rescue, and Traffic Control
   iii. National Guard – Logistics, Security, and Road and Dam Repair
   iv. Search and Rescue, Swift Water Rescue, and Firefighter Mobilization
   v. Mass Care – Food, Water, and Shelter

II. Infrastructure and Public Works Recovery Operations:

a. Debris Removal, FEMA Public Assistance – DOT, Counties, and FEMA

b. Road and Bridge Repair, FEMA Public Assistance – DOT, National Guard, Counties, and FEMA

c. Dam Assessments and Emergency Orders – DHEC

d. Boil Water Advisories and Well Water Testing – DHEC

III. Individual Recovery Operations:

a. FEMA Individual Assistance: Grants for temporary housing or housing repairs

b. SBA Assistance: Low-interest loans for homeowners, renters, or business owners

c. FEMA National Flood Insurance Program (NFIP): Insurance for homeowners in the flood plain

d. Disaster Unemployment Assistance, Tax Extensions, Mortgage Assistance, Insurance Assistance – DEW, DOR, SC HELP (SC Housing Authority), DOI

e. Volunteer Organizations – Team South Carolina

IV. Long-Term Recovery

a. Federal and State Disaster Recovery Coordinators: To assess, recommend, and plan for short- and long-term recovery efforts in various areas at the community level in counties declared federal disaster areas, such as infrastructure, natural resources, economic development, housing, and health services.

Resources for Disaster Assistance

I am an Individual:

- I want to apply for FEMA assistance to help me with temporary housing or housing repairs. Call 1-800-621-FEMA or visit www.disasterassistance.gov
- I am a homeowner or renter and want to apply for a low-interest loan. Visit https://www.sba.gov/content/disaster-assistance
- I live in a floodplain and am part of the National Flood Insurance Program, and I want help making a claim and/or getting an assessment. Call 1-800-427-2419 or visit www.floodsmart.gov or www.dnr.sc.gov/flood
- I lost my job due to the flood and I want help finding a job. Visit www.jobs.scworks.org/vosnet/Default.aspx
- I lost my job due to the flood and want to apply for unemployment benefits. Visit www.dew.sc.gov/claim-guide.asp
- I want DOT to remove household and vegetative debris from the edge of my street. Call SCDOT Customer Service Center toll free: 855-GO-SCDOT (855-467-2368) or visit http://info.scdot.org/PressRelease/Lists/Posts/Post.aspx?ID=2100
- I want to request help with my mortgage payments for the through SC Housing Authority. Visit www.schelp.gov
- I want to talk to someone about mental health issues. Call 1-800-985-5990, text TalkWithUs to 66746 to connect with a trained crisis counselor, or visit www.samhsa.gov/find-help/disaster-distress-helpline
- I suspect price gouging. Contact the South Carolina Attorney General, by Tweeting pictures and documentation to @SCPriceGouging, calling 800-922-1594 or emailing info@scag.gov.

I am a Business Owner:

- I want to apply for a SBA low-interest loan. Visit https://www.sba.gov/content/disaster-assistance
- I want to request an adjuster to help with my claims. Visit https://www.sba.gov/content/disaster-assistance
- I want to apply for an unemployment tax extension. Visit http://dew.sc.gov/news/NR_tax_extension.pdf
- I am a business owner who had a tax extension for filing and need an additional extension due to the flood. Visit https://dor.sc.gov/resources-site/media-site/Pages/SCDOR-TO-OFFER-TAX-RELIEF-TO-THOSE-IMPACTED-BY-SEVERE-STORMS-AND-FLOODING-IN-SC.aspx
- I am a small business owner who needs help re-establishing my business and would like to utilize a Small Business Development Center in my area. Visit http://www.scsbdc.com/loc.php

I am a Local Public Official of a County or Municipality:

- I want to apply for FEMA assistance to help with debris removal from our local roads. Call 202-646-3840 or visit http://www.fema.gov/public-assistance-local-state-tribal-and-non-profit
- I want to ask DOT to help assess damage to our local roads and bridges. Call 855-GO-SCDOT or visit http://www.scdot.org/scdotcontactus/default.aspx

- I want to ask DOT to help with removing debris from our local roads. Call SCDOT Customer Service Center toll free: 855-GO-SCDOT (855-467-2368) or visit http://info.scdot.org/PressRelease/Lists/Posts/Post.aspx?ID=2100
- I want to request help from state law enforcement for security on roads. Visit http://www.sled.sc.gov/Admin2.aspx?MenuID=ContactInformation
- I want to request help from state law enforcement for security on waterways. Visit http://www.dnr.sc.gov/admin/phone.html or call your regional office.
    - Region 1 – Clemson: Anderson, Abbeville, Cherokee, Edgefield, Greenville, Greenwood, Laurens, McCormick, Oconee, Pickens, Spartanburg, Union counties
    - Law Enforcement: 864-654-1671
    - Region 2 – Florence: Chester, Chesterfield, Darlington, Dillon, Fairfield, Florence, Kershaw, Lancaster, Lee, Marion, Marlboro, Williamsburg, York counties
    - Law Enforcement: 843-661-4766
    - Region 3 – Columbia: Aiken, Allendale, Bamberg, Barnwell, Calhoun, Clarendon, Lexington, Newberry, Orangeburg, Richland, Saluda, Sumter counties
    - Law Enforcement: 803-755-1822
    - Region 4 – Charleston: Beaufort, Berkeley, Charleston, Colleton, Dorchester, Georgetown, Hampton, Horry, Jasper counties
    - Law Enforcement 843-953-9307

I want to help:

- I want to volunteer time. Call 803-929-1000 or visit http://sc211.org/
- I want to donate food. Visit http://www.harvesthope.org/donate or call your nearest location.
    - Columbia: 803-254-4432
    - Florence Pee Dee: 843-661-0826
    - Greenville: 864-281-3995
    - Lexington County Emergency Food Pantry: 803-794-1627
- I want to donate a flood bucket. Call 803-227-6031 or visit http://www.scbaptist.org/disaster-relief---flood-buckets/
- I want to donate clothing. Visit https://www.salvationarmycarolinas.org/how-to-help/contribute/donate-goods
- I want more information about existing needs. Call 803-929-1000 or visit http://sc211.org/
- I want to make a donation or volunteer. Call the state donation's management team at 1-888-585-9643 or visit www.scemd.org/recovery-section/donations-and-volunteers
- I want more information about United Way of South Carolina. Call 803-929-1000 or visit http://www.uwasc.org/
- I want to volunteer with the American Red Cross of South Carolina. Visit http://www.redcross.org/local/sc or call your local chapter.
    - Lowcountry SC | North Charleston, SC | 843-764-2323
    - Central SC | Columbia, SC | 803-540-1200
    - Northern SC | Rock Hill, SC | 803-329-6575
    - Eastern SC | Myrtle Beach, SC | 843-477-0020
    - Upstate SC | Greenville, SC | 864-271-8222
- I want more information about Harvest Hope Food Bank. Visit http://www.harvesthope.org/

At Team S.C. hosted County Days, your constituents can:

- Register for financial assistance from FEMA
- Apply for disaster loans from the U.S. Small Business Administration
- Learn more about repairing and flood proofing their home from FEMA
- Apply for unemployment benefits from the S.C. Department of Employment and Workforce
- Apply for food and financial assistance from the S.C. Department of Social Services
- Apply for mortgage or rent assistance from the S.C. Housing Authority and REALTORS
- Get information about mental health and other healthcare services from the S.C. Department of Mental Health and the S.C. Department of Health and Human Services
- Get help with insurance claims from the S.C. Department of Insurance
- Receive a free kit to test well water from the S.C. Department of Health and Environmental Control
- Receive a free tetanus shot from the S.C. Department of Health and Environmental Control
- Register to volunteer in their community with the United Way
- Get a free clean-up kit from the Red Cross

FEMA

Individuals & Households

FIDA_25161

For Official Use Only

Data As Of: 10/21/15

County	Designated Date	Total Valid Registrations	IHP Approved	IHP Approved Award	IHP Disbursed
Bamberg (County)	10/9/2015	77	16	$43,649.77	$35,688.57
Berkeley (County)	10/6/2015	2907	641	$1,776,610.36	$1,686,543.79
Calhoun (County)	10/7/2015	385	71	$139,213.45	$135,035.52
Charleston (County)	10/5/2015	5533	1,109	$2,831,463.88	$2,700,844.90
Clarendon (County)	10/6/2015	2869	624	$1,290,536.74	$1,212,060.79
Colleton (County)	10/9/2015	376	93	$186,084.09	$158,467.04
Darlington (County)	10/7/2015	903	183	$387,114.24	$308,840.25
Dorchester (County)	10/5/2015	2246	618	$2,391,992.05	$2,284,335.42
Fairfield (County)	10/20/2015	126	0	$0.00	$0.00
Florence (County)	10/7/2015	3366	798	$2,422,383.87	$2,150,152.95
Georgetown (County)	10/5/2015	3092	671	$3,043,173.18	$2,545,114.85
Greenwood (County)	10/9/2015	169	47	$180,240.03	$180,140.03
Horry (County)	10/5/2015	3327	647	$1,839,048.61	$1,735,386.76
Kershaw (County)	10/7/2015	847	174	$426,420.94	$407,240.37
Lee (County)	10/7/2015	1340	267	$519,347.72	$492,385.69
Lexington (County)	10/5/2015	3121	836	$3,294,896.14	$3,153,926.26
Marion (County)	10/20/2015	127	0	$0.00	$0.00
Newberry (County)	10/13/2015	92	14	$43,024.66	$35,758.46
Orangeburg (County)	10/5/2015	3831	654	$1,206,500.81	$1,153,231.57
Richland (County)	10/5/2015	13703	3,462	$10,582,823.49	$10,191,582.52
Sumter (County)	10/6/2015	7635	1,901	$7,521,421.02	$7,336,092.69
Williamsburg (County)	10/5/2015	4382	1,027	$3,284,178.96	$2,984,596.61
Total:		**60454**	**13,853**	**$43,410,124.01**	**$40,887,425.04**

Note that Fairfield and Marion Counties were approved for Individual Assistance (IHP) yesterday, October 20, 2015.

Storyboard FEMA-4241-DR-SC: Hazards

10/20/2015 as of 0700 EDT

FEMA

Overview of Hazards

Current Weather: Patchy frost before 8am. Otherwise, sunny, with a high near 69. Northeast wind 3 to 8 mph.

NWS Warnings:

- Flood Warnings remain for the Santee River near Jamestown and the Edisto River near Givahan's Ferry
- Frost Advisory in effect for Darlington, Dillon, Florence, Marion, Williamsburg & Horry

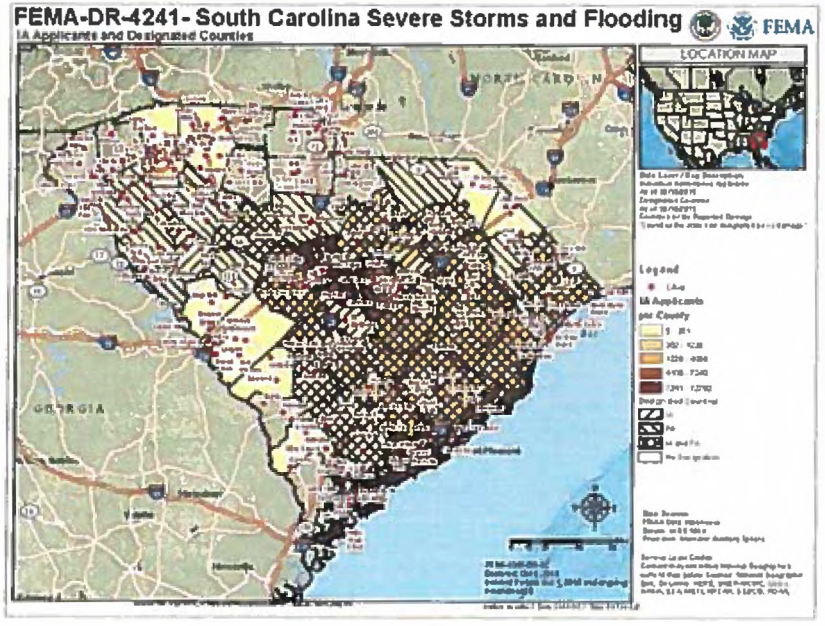
Situation Overview

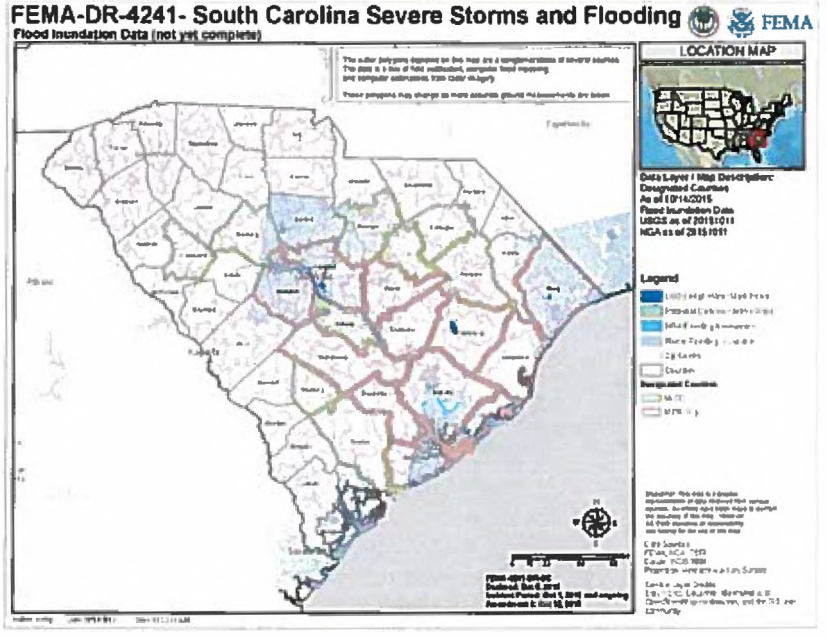
- Designated counties: 28 (25 PA, 20 IA)
- 19 fatalities (8 traffic, 11 drowning)
- Incident: 10/01/2015 – ongoing

SWEAT

Roads

- The only SWEAT indicators still in RED are related to roads & bridges
- 138 roads & 52 bridges closed (as of 0600 10/18/2015)





Storyboard FEMA-4241-DR-SC: Objectives 10/20/2015 as of 0700 EDT

General objectives for the Incident. Joint State/Federal Objectives:

5c.	Provide accessible Mass Care services while relocating, consolidating and/or closing shelters to transition disaster survivors to a safe, sanitary and secure temporary housing solution.
10a.	Provide technical assistance and resources to address disaster survivor public and mental health needs.
3e.	Provide actionable, accessible information to the whole community to assist in recovery.
7b.	Complete all Public and Individual Assistance preliminary damage assessment, analysis, and recommendations in all non-designated counties no later than 21 OCT 2015.
6c.	Provide accessible disaster recovery services to individuals, households and the private sector to include registration and case management, and coordinate with whole community partners to address unmet needs.
11.	Assess and assist in the coordination of the removal and disposal of debris.
2d	Inventory and provide technical assistance in analysis and evaluation, prioritization, and conduct emergency repairs on identified structures and critical infrastructure, including roads, bridges, dams, water and waste water treatment plans, and water distribution systems.
13a.	Assess state, tribal, and local mitigation capacities and strategies and provide resources and technical assistance.
14a.	Assess the factors that contributed to disaster effects and develop a strategy to educate about risk reduction opportunities, including flood plain and insurance technical assistance to local officials and communities.

Storyboard FEMA-4241-DR-SC: Actions

10/20/2015 as of 0700 EDT

FEMA

DRCs/MDRCs Open

Currently Open	22
Opening Today	0
Inspections Today	5
Closing Today	0

(22) DRCs Currently Open

- (2) Lexington County
- (1) Sumter County
- (1) Clarendon County
- (3) Orangeburg County
- (4) Richland County
- (1) Florence County
- (1) Kershaw County
- (2) Horry County
- (1) Dorchester County
- (1) Darlington County
- (2) Charleston County
- (1) Georgetown County
- (1) Lee County
- (1) Williamsburg

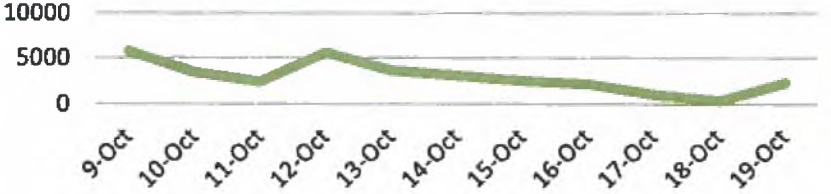
DRCs Opening Today

Disaster Survivor Assistance Teams

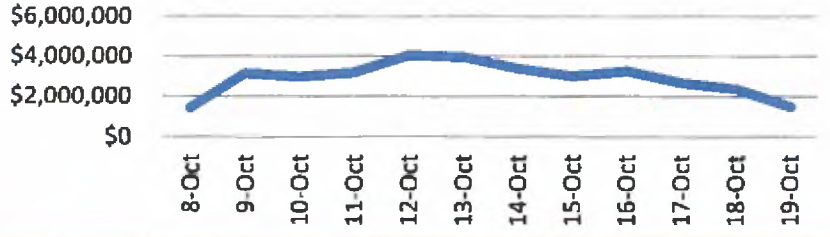
(as of COB 10/19/2015)

32 DSAT	15 Divisions	15.18K Cumulative Interactions

Daily Registrations



Daily Approved



Preliminary Damage Assessments

Output	Projected PDAs	Total Complete	Total Scheduled for 10/20/2015
IA PDAs	0	42	0
PA PDAs	1	32	1

Shelters

Number of Shelters	3 (1 unoccupied)
Total Population	99
Unmet Needs	0

Individual Assistance

Total Registrations	58,623	
IA Applications Approved	11,594	
Total IHP (A/D)	$37.4 M	$ 29.6 M
Total ONA (A/D)	$ 4.48 M	$ 3.77 M
Total HA (A/D)	$ 32.9 M	$ 25.9 M
SBA Loans	$ 1.5 M	
Max Awards (50)	$ 1.65 M	

Housing Inspections

Inspections Assigned	43,850
Total Inspections Returned	36,462
% Completed	79.52%

* Shelter numbers per VAL
*DRC numbers do not include County Fair Booth

Storyboard FEMA-4241-DR-SC: Actions

10/20/2015 as of 0700 EDT

FEMA

Logistics

- 2 State supported Points of Distribution (PODs)

Finance/Admin

(as of 1000 10/19/2015)

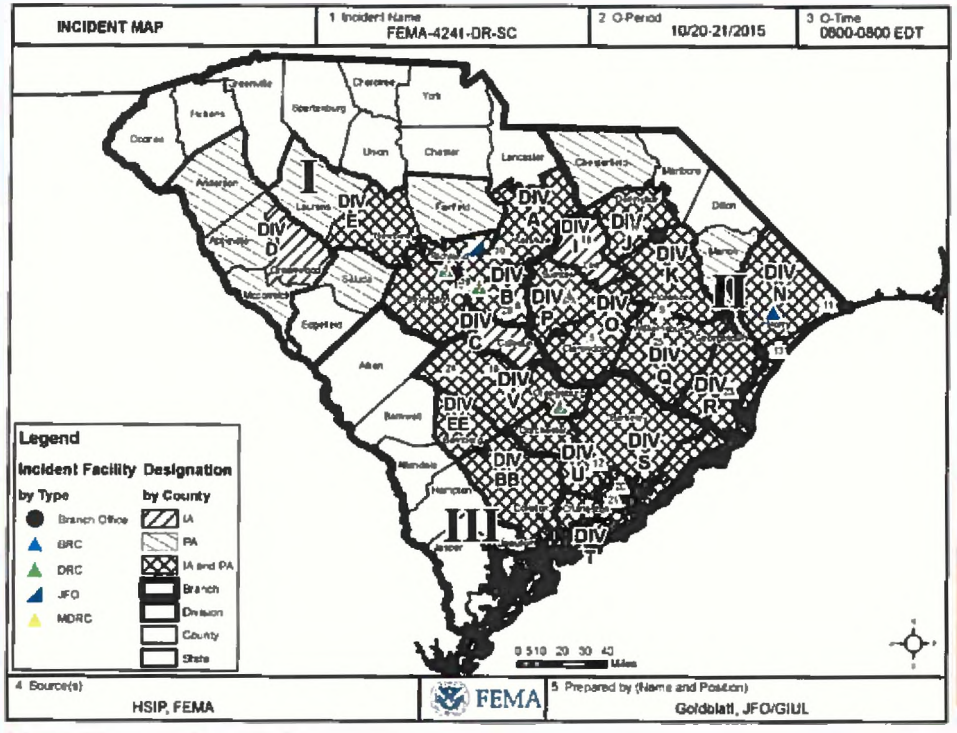
- Checked-in: 1,266 Pending: 69 Total: 1,335
- Total allocations: $86,202,148 Total funds available: $540,997
- 5 IMATs & 28 FEMA Corps Teams deployed

EHP

- Supported 2 PDAs (Charleston, Greenwood)
- Supported 2 Applicant Briefings (Lexington, Sumpter)
- Facilitated Columbia Canal/Dam Task Force

DCE Activities

- ISB, Mob Center, & support to Region IV RRCC



County Opcon Status

(as of 1200 10/19/2015)

- Opcon 4: Six (6) counties: Aiken, Colleton, Georgetown, Richland Horry & Williamsburg
- Opcon 5: all other counties

State Applicant Briefings

- 11 Applicant Briefings Completed
- 2 Applicant Briefings Scheduled for 10/20/2015

External Affairs

- Supporting DRC opening and Team South Carolina Day at Temple of Faith Bible Way Church, Gadsden
- Conducting Congressional office visits in Richland, Horry, Williamsburg counties.
- Performing outreach to South Carolina Commission for Minority Affairs.

DR Mission Assignments (DR)

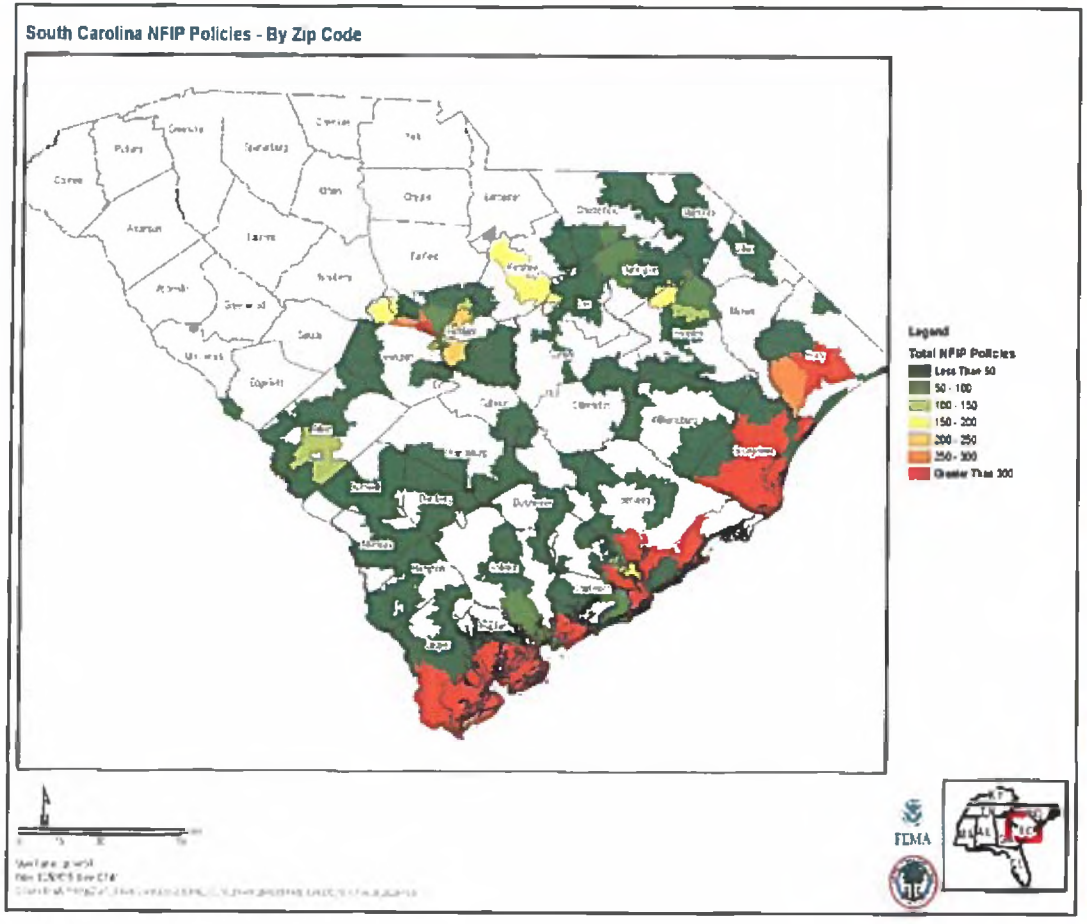
- 22 active Mission Assignments
- 4 Direct Federal Assistance
- 18 Federal Operation Support
- Total: $3,267,600 (Federal)

Emergency Services

- Emergency services has transitioned to 911 Operations
- Last rescue occurred on 10/07/2015
- Rescues total: 32 (24 in one day)

Storyboard FEMA-4241-DR-SC: Mitigation

10/20/2015 as of 0700 EDT



National Floodplain Insurance Program Claims (NFIP Claims for South Carolina Only)	
Total No. of Claims	4,044
No. of Claims Closed with Payment	75
No. of CWOPs	310
Total No. of closed Claims	385
% Closed	9.52%
Advanced/Partial Payments	$6,748,630.00
Amounts Paid on Closed Claims	$1,255,176.59
Total Paid on All Claims	$7,839,639.31
Average Closed Claim with Payment	$16,735.69

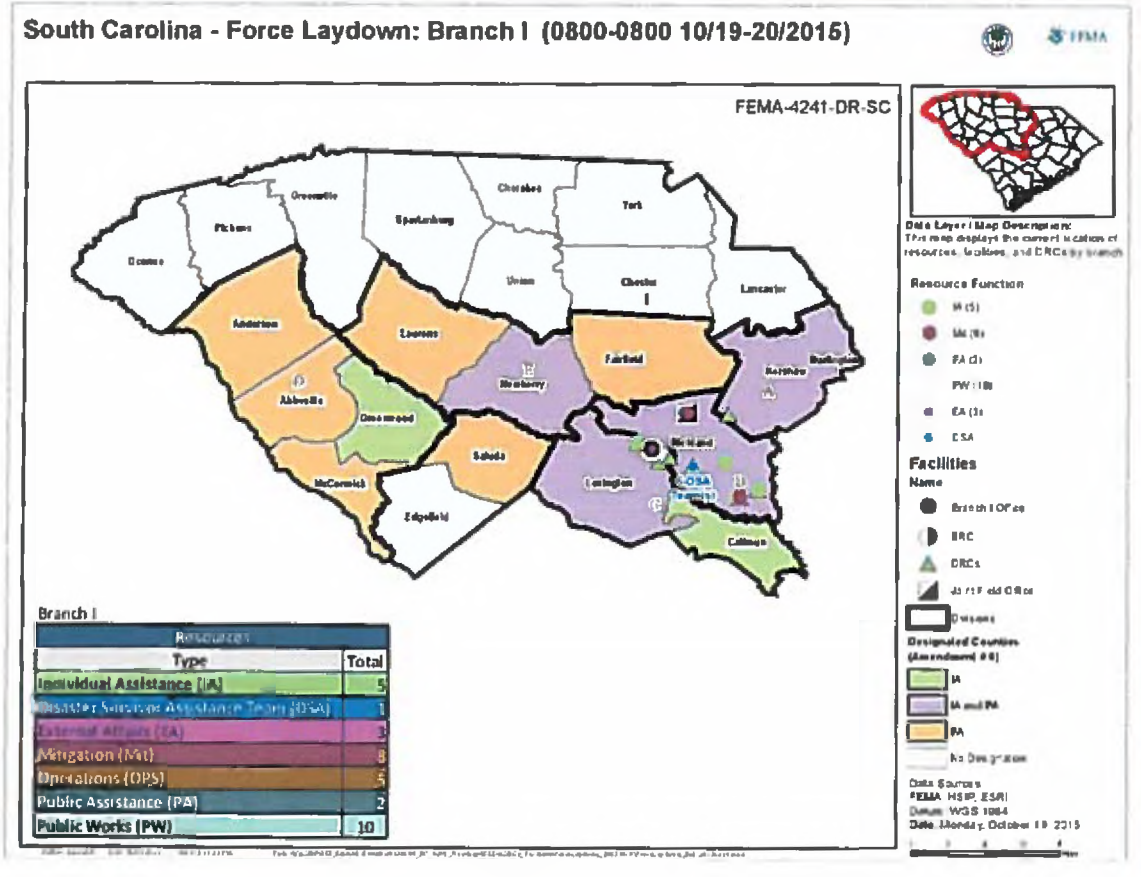
National Floodplain Insurance Program

- NFIP is co-located with the JFO

Status of Hazard Mitigation Plans

- 1 County Mitigation Plan is expired
- 5 County Mitigation Plans expire in 3 months
- 1 Mitigation Plan expires in 3-9 months
- 4 County Mitigation Plans expire in 9-12 months

Storyboard FEMA-4241-DR-SC: Force Laydown Branch I 10/20/2015 as of 0700 EDT



Branch Summary

Division A: 1 MDRC

Division B: 2 MDRCs (1 soft opening today), 3 DRC, 2 shelters

Division C: 2 MDRCs (1 soft opening on 10/21), 1 DRC.

Division D: NSTR

Undesignated Counties

PDA's scheduled for today:

Lexington County (PA) – Applicant Briefing to follow PDA.

DSA Today:

Division A: 1 DSA crew

Division B: 4 DSA crews

Division C: 5 DSA crews

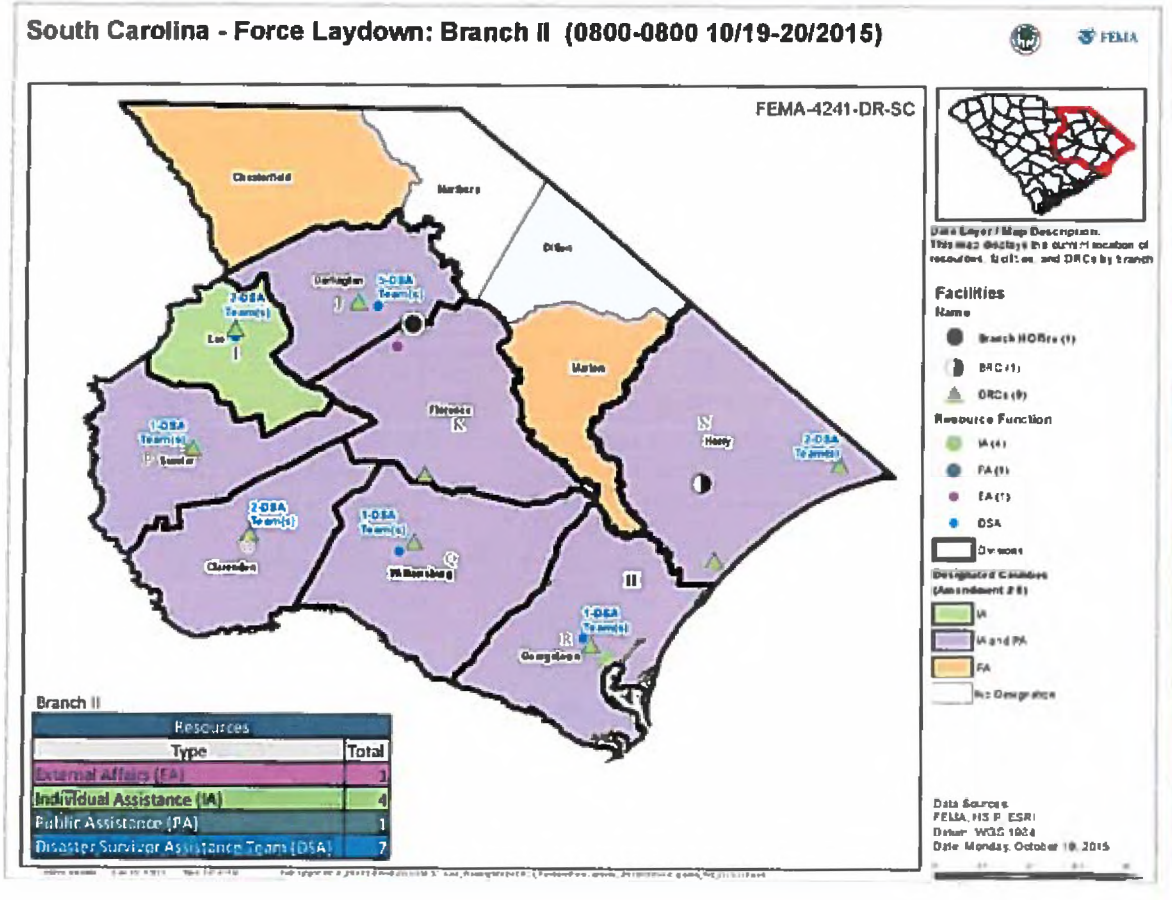
Division D: 1 DSA crew

Division E: 0 DSA crew

Dam/Columbia Canal Update

City of Columbia, SCEMD, FEMA, and USACE met at the Columbia Canal yesterday, 10/19/2015, to view the damage caused by the floods and begin discussions on the repair project. All parties will reconvene today, 10/20/2015 to continue discussions.

Storyboard FEMA-4241-DR-SC: Force Laydown Branch II 10/20/2015 as of 0700 EDT



Branch Summary

APPLICANT BRIEFINGS
10/20 - Sumter
10/26 - SC Hospital Association

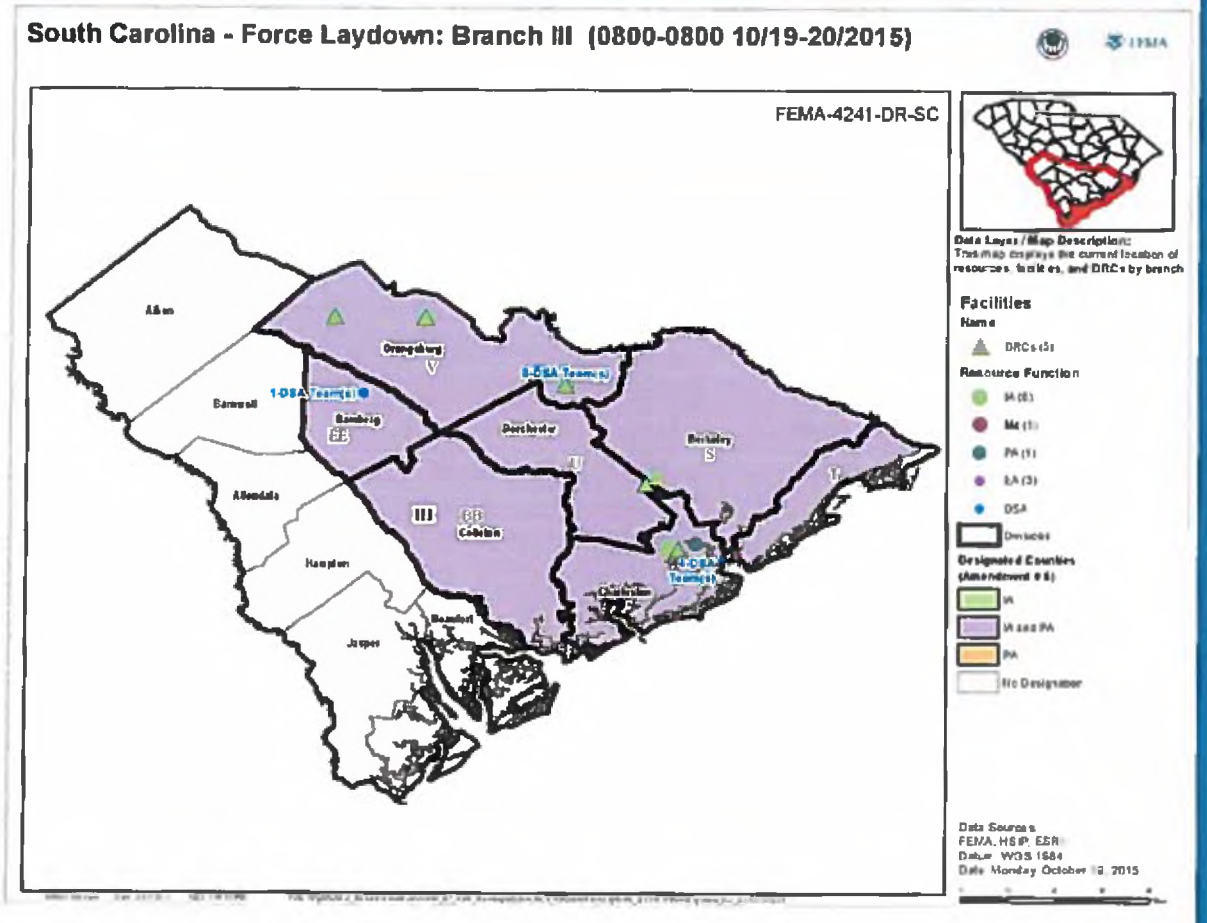
BOILED WATER ADVISORY (BWA)
Georgetown – Interfor Corp. area, 88 people affected

DAMS (10)
Chesterfield – 1 (D3180)
Clarendon – 3 (D3498, D3490, D3487)
Darlington – 2 (D3435, D3526)
Lee – 1 (D2412)
Sumter – 3 (D1578, D1460, D1917)

DRCs (9)
Clarendon - 1 (MDRC5)
Darlington - 1 (MDRC17)
Florence - 1 (MDRC9)
Georgetown - 1 (MDRC23)
Horry - 2 (MDRC11, MDRC13)
Lee - 1 (MDRC18)
Sumter - 1 (DRC4)
Williamsburg - 1 (MDRC25)

PA/PDA's
10/19/15 – Horry
10/20/15 - Sumter

Storyboard FEMA-4241-DR-SC: Force Laydown Branch III 10/20/2015 as of 0700 EDT



Branch III Summary

Individual Assistance

DRC's:

Division S: N/R
Division T: MDRC (#20), MDRC (#21)
Division U: MDRC (#12)
Division V: DRC (#6), MDRC (#16), MDRC (#24)
Division BB: N/R
Division EE: N/R

Disaster Survivor Assistance Team's:

Division S: 0 DSATs
Division T: 4 DSATs (Crew 31, Crew 35, Crew 5A, Crew 5B)
Division U: 0 DSATs
Division V: 8 DSATs (Crew 10, Crew 14B, Crew 27, Crew 29A, Crew 29B, Crew 3, Crew 30)
Division BB: 2 DSATs (Crew 26, Crew 37)
Division EE: 1 DSAT (Crew 32)

Public Assistance

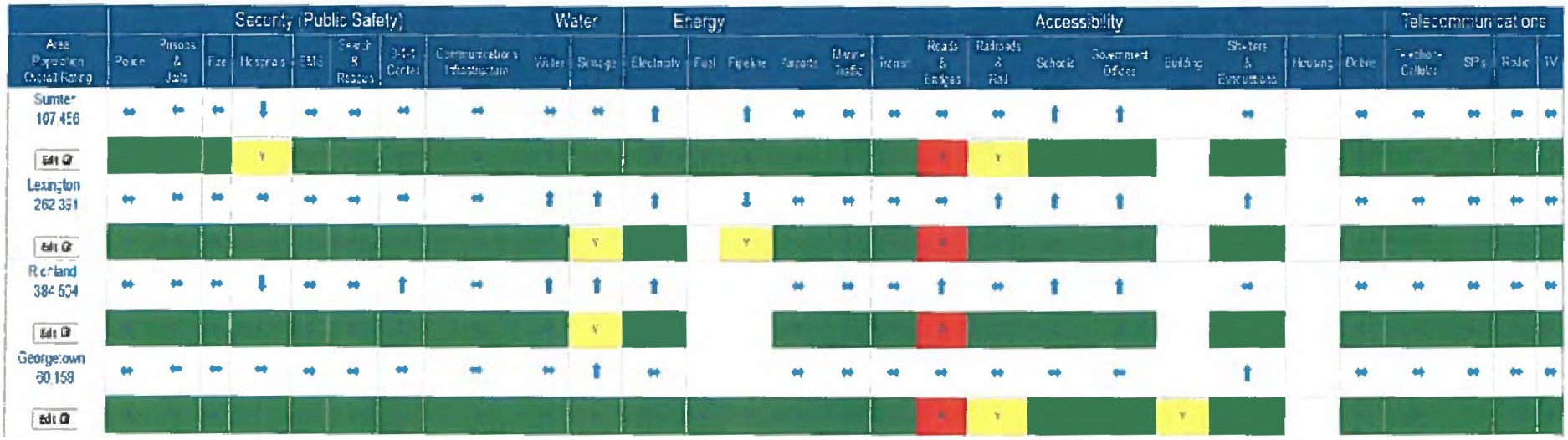
- **Division S:** 3 Rd. closures, 2 BWA's affecting 27 survivors.
- **Division T:** 2 Rd. closures, PA PDA 10/20, 2 BWA's affecting 36 survivors.
- **Division U:** 1 Rd. closure, 1 BWA/1 BWN affecting 36 survivors
- **Division V:** 4 Rd. closures.
- **Division BB:** N/R
- **Division EE:** N/R

Undesignated Counties

***Aiken:** 1 BWN affecting 370 survivors.

Storyboard FEMA-4241-DR-SC: SWEAT

10/19/2015 as of COB



Emergent Issues: Roads and Bridges

Sumter County:

- 18 state and 1 federal roads are flooded. 14 county roads are washed out.
- 1 bridge structure is washed out. 1
- bridge replacement on S-44 is needed.
- The Cains Millpond Dam (D1578), Lake View Pond Dam (D1917), and Ellerbees Mill Pond Dam (D1460) breached. There is no threat to public safety.

Lexington County :

- 46 roads are damaged. Source is South Carolina DOT and Division C Supervisor.

Richland County:

- 86 roads are damaged. Source is South Carolina DOT

Georgetown County

- 4 State, 2 washouts. Pennyroyal Rd. closed until after 11-26-15.
- All roads to Big Dam Swamp open, Pine Tree Landing closed.

* This SWEAT shows only those counties with Red (Critical) areas

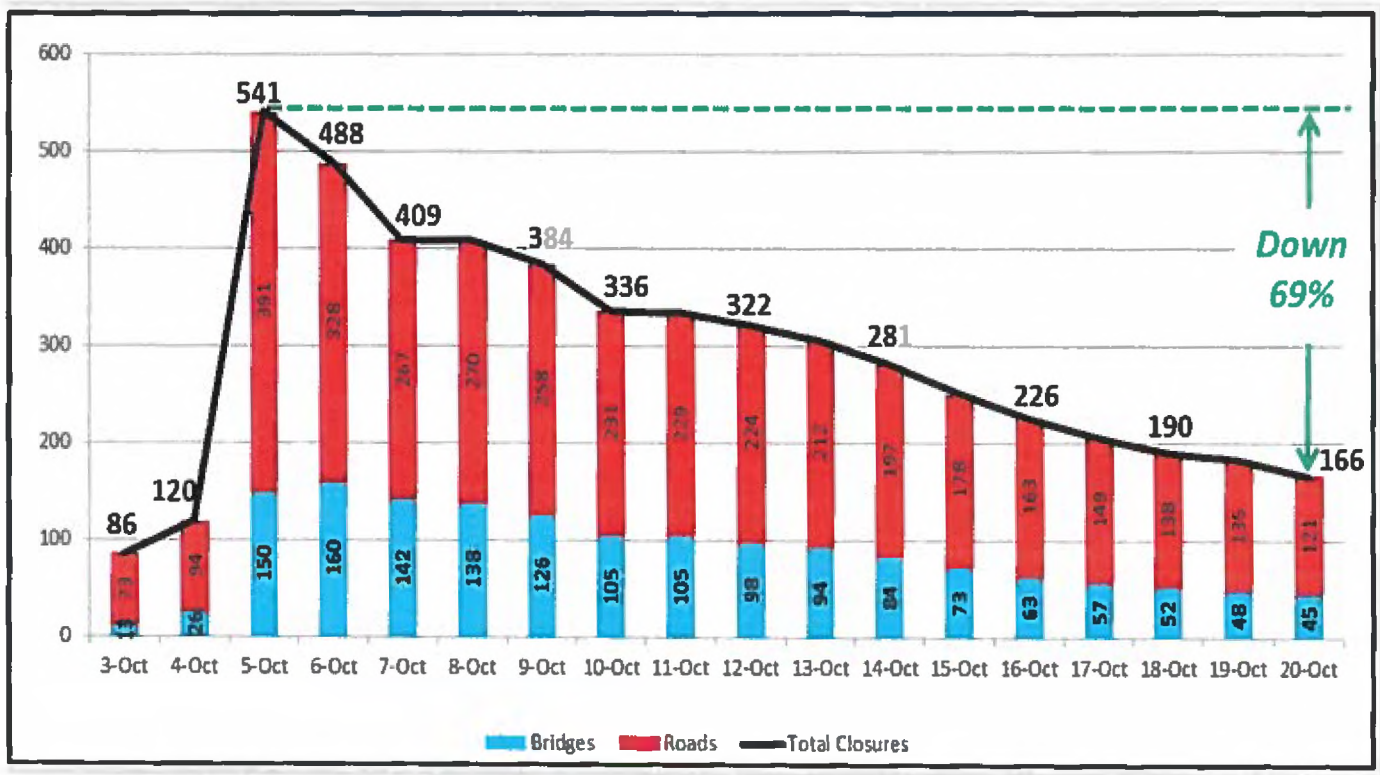
Infrastructure Recovery Daily Report

Tuesday, October 20, 2015

Resources Currently Deployed on Recovery Operations

- **Approximately 300 SCDOT Highway Work Crews are assigned to the event.** Over the past 2 days, we staggered rest periods which staffed recovery efforts at approximately 156 Crews or nearly 1100 Highway Workers addressing the closures on Monday.
- **19 Highway/Bridge Contractors have been engaged to assist with 52 different "emergency/spot repairs" in 12 counties.** 18 of the firms are SC firms, 1 GA firm. 3 of the firms are DBEs.
- 6 Debris Removal Contractors have been engaged. 2 are SC firms. **36 Debris Collections Trucks & Trailers are operating.**
- **SCDOT Call Center is operating 6 am—7pm daily.** There have been over **3.5 Million visits to the SCDOT Road Conditions webpage** during this event.

Closures on the State-Maintained System



All Interstates are OPEN.

16 Primary Routes remain CLOSED statewide. *Richland: US 21, US 321, SC 12, SC 48, SC 263, SC 760 & SC 769. Clarendon: US 15, US 301 & US 521 (partial). Kershaw: SC 12. Orangeburg: SC 6. Newberry: US 176. Florence: SC 51. Sumter: US 76 Business. Williamsburg: SC 512.*

Majority of the current closures are on the Secondary System. Priority is placed on high volume Secondaries, routes around schools, fire departments and other critical access areas.

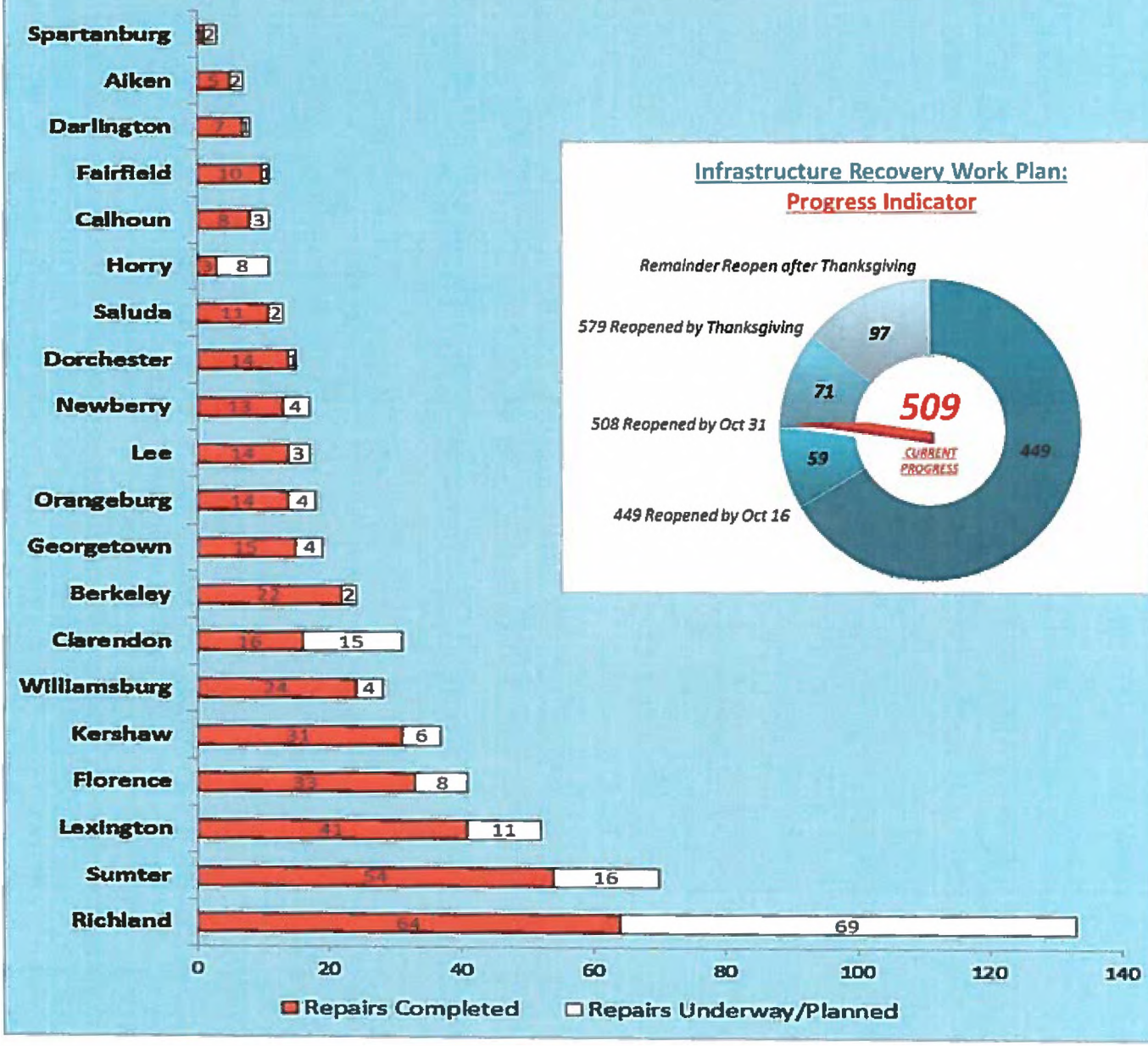
Infrastructure Recovery Daily Report

Tuesday, October 20, 2015

All repairs to the state-maintained system have been completed in 10 Counties to date:

Abbeville County, Allendale County, Anderson County, Bamberg County, Charleston County, Colleton County, Greenwood County, Laurens County, Marion County & McCormick County.

Repair Status for State-Maintained Road & Bridges



Please visit us at www.scdot.org / Storm Resources In order to get an up-to-date listing of road closures and anticipated repair schedules by County. Updates are also provided on Facebook & Twitter.

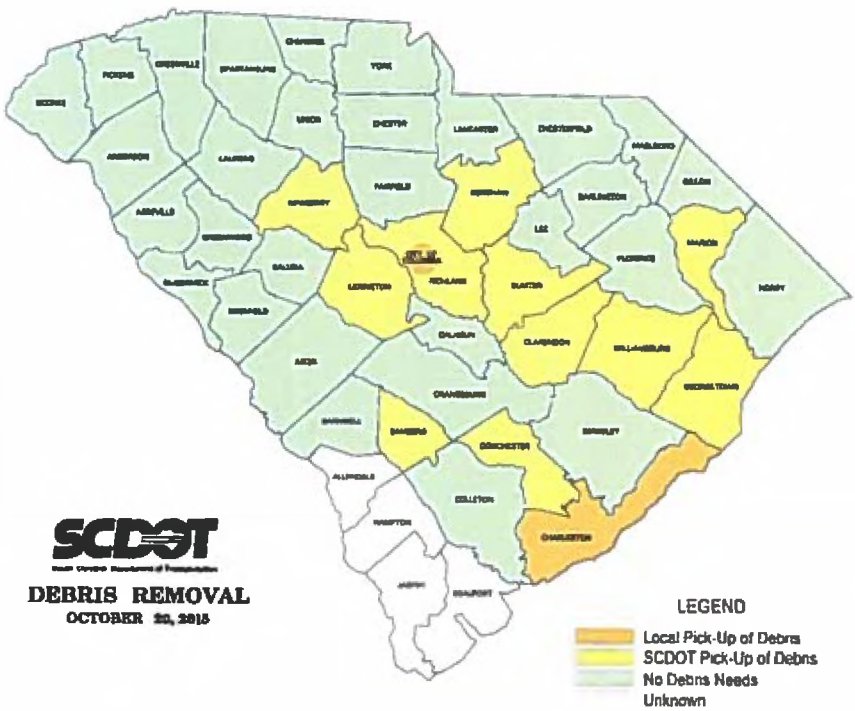
Infrastructure Recovery Daily Report

Tuesday, October 20, 2015

Other Modes of Transportation

- **Transit, Airports, Ports, Passenger Rail and Short-Line Rail are all operating NORMALLY.**
- **Norfolk Southern:** Columbia-to-Spartanburg Line (W line) is projected to be out of service until the week of Nov 9 due to bridge repairs. Traffic is being rerouted to accommodate local service with minor delays expected.
- **CSX:** Eastover Subdivision (Columbia, SC to Orangeburg, SC) is now open but has delayed service. CSX estimates 4-5 weeks until full repairs are completed.

Debris Removal Operations



Collected to Date: approx. 376 loads
(18,684 CY)

Over the next 2 days, SCDOT Debris Removal Contractors will be working in:

- **Richland County** in the Forest Acres area and in Andrews Point.
- **Lexington County** in the Pine Glenn subdivision and Cold Stream subdivision.
- **Dorchester County** in the Tranquil Estates neighborhood and then will move to the Summerwood subdivision **and**
- **Sumter County** in the Tuder Place area southwest of US 378 and in the Swan Lake area and Sassafras Drive.

SCDOT is leading Debris Removal in 11 Counties and 8 Municipalities : Bamberg, Clarendon, Dorchester, Georgetown, Kershaw, Lexington, Marion, Newberry, Richland, Sumter and Williamsburg plus the City of Sumter, Town of Summerville, City of Denmark, Town of Kingstree, Town of Andrews, City of Georgetown and Town of Hemingway.

Charleston County and the City of Columbia are leading the Debris Removal efforts within their respective areas.

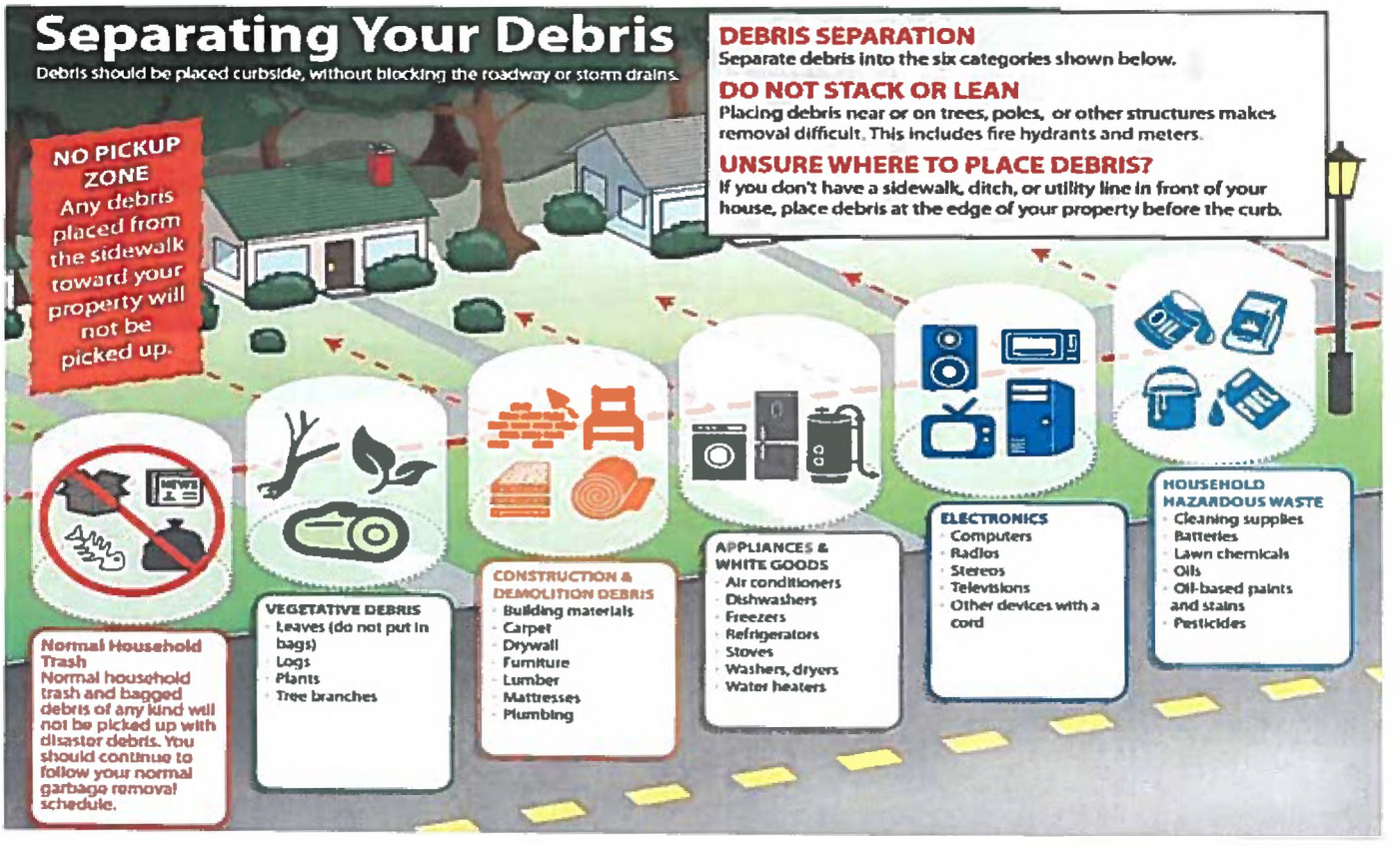
Red text indicates agreements being finalized.

Infrastructure Recovery Daily Report

Tuesday, October 20, 2015

Requested Assistance

Request continued assistance messaging urging the communities to bring the storm-related debris to the roadside and sort it into the 6 categories.



BACKGROUND

30 SEPTEMBER
SC. GOV NIKKI HALEY AND S.C. EMERGENCY MANAGEMENT DIVISION (SCEMD) MONITORING RAIN SYSTEM PREDICTED OVER CAROLINAS OCT 3-4 AND HURRICANE JOAQUIN'S UNCERTAIN PATH IN BAHAMAS

1 OCTOBER
GOV. HALEY DECLARES STATE OF EMERGENCY TO BE PREPARED TO RESPOND TO PROJECTED RAINS AND FLOOD. S.C. NATIONAL GUARD PREPOSITIONS EQUIPMENT AND PERSONNEL STATE-WIDE.

2 OCTOBER
SCNG C2 ESTABLISHED IN CONGLOMERATES. RAINS IMPACT LOW COUNTRY AND PEE DEE AREA.

3 OCTOBER
RAINS CONTINUE AND GET HEAVIER, IMPACTING MIDLANDS. FIRST COUNTY MISSIONS TASKED. FEMA DECLARES STATE OF EMERGENCY

4 OCTOBER
RAINS CONTINUE AND BEGIN IMPACTING UPSTATE.

5 OCTOBER
FEDERAL STATE OF EMERGENCY DECLARED FOR AFFECTED COUNTIES

5 OCTOBER
DUAL-STATUS COMMAND AUTHORITY APPROVED BUT NEVER EXECUTED

10-25 OCTOBER
EMAC AGREEMENT WITH NCNG

SOUTH CAROLINA NATIONAL GUARD

FLOOD RESPONSE HIGHLIGHTS OCT 1-ONGOING

The Adjutant General for South Carolina, U.S. Army Maj. Gen. Robert E. Livingston, Jr. directs priorities and phases:

Priorities

Search and Rescue
Ground/ Air Extraction
Protection of Infrastructure
Emergency Restoration

Phases

Pre-Surge Activities
- Establish LNOs and Pre-position response assets
- Air/ Ground evacuation
- Critical Infrastructure Protection
- Shelter and Distribution Point Support

Immediate Response
- Search and Rescue
- Air/ Ground Evacuation/Extraction
- Critical Infrastructure Protection
- Shelter and Distribution Point Support
- Security Operations

Post-Surge Activities
- Damage Assessments
- Critical Infrastructure Protection
- Shelter and Distribution Point Support
- Security Operations
- Open Lines of Communication

Emergency Restoration
- Damage Assessment
- Hasty Repair
- Open Lines of Communication

1) First county mission executed: 3 OCT, more than 390 S.C. National Guard Soldiers mobilized to fill and transport 13,500 sandbags to 8 counties.
2) On 4 OCT, 700 S.C. National Guard personnel including swift water rescue assets from VA, TN and GA prepositioned for life saving response.
3) Early Afternoon 4 OCT, S.C. Helicopter Aquatic Rescue Team (SC-HART) conducts 25 hoist rescues/lives saved in 4 hours in Midlands.
4) From OCT 3-14+, the S.C. Military Department executed flood response operations, peaking between 8-11 OCT with over 4,100 personnel on the ground.

Vehicle/Aircraft Assets used:

More than 300 LMTVs
More than 170 HMMWVs
9 UH-60 Black Hawks
3 LUH-72s
3 CH-47 Chinooks
4 Bridge boats
4 Fire Trucks
More than 150 pieces Engineer Equipment

SOUTH CAROLINA NATIONAL GUARD
FLOOD RESPONSE OCT 1-ONGOING 2015

MISSIONS

218TH MANEUVER ENHANCEMENT BRIGADE
Wellness checks
High Water Transport
Traffic Control Points
Damage Assessments
Sandbag Support
Evacuation Support
Shelter Support
Water Storage
Assist Fire Department
Security
Logistics Transport
Emergency Road Repair

59th TROOP COMMAND
Debris Clearance
Points of Distribution
Logistics Transport
Engineer Support
Water Storage
Water Purification (ROWPU)
Rock and Sand hauling
Security Support
Sandbag Support
Ground Evacuations
High Water Transport
Firefighter Support
Traffic Control Points
Emergency Road Repair

228th SIGNAL BRIGADE
Wellness checks
High Water Transport
Traffic Control Points
Damage Assessments
Evacuation Support
Shelter Support
Security Support

59th AVIATION TROOP COMMAND
Helicopter Aquatic Rescue
Damage Assessments
Search and Rescue
Sling Load operations
Personnel Transport

STATE GUARD
Point of Distribution
Shelter Security
Infrastructure assessment
Engineer Support

S.C AIR NATIONAL GUARD
Air Operations Branch
Public Affairs Support
Plans and Operations
Logistics Support

130th MANEUVER ENHANCEMENT BRIGADE
Emergency Road Repair
General Support

"Many of us spoke of Hugo as a defining moment in our state's history, when we demonstrated to our nation the resiliency of South Carolinians. There is no doubt generations will again speak of the strength, character and compassion South Carolinians have shown the world through this historic flood event. When your state called, you were ready . I could never be more proud of the level of response and commitment you have shown your communities."
U.S. Army Maj. Gen. Robert E. Livingston, Jr.
The Adjutant General for South Carolina

SOUTH CAROLINA NATIONAL GUARD RESPONSE STATISTICS TO DATE

- 28 lives saved by Helicopter Aquatic Rescue Teams
- 11 lives saved by boat rescue
- 170 lives saved by High Water Vehicle Transport
- More than 3,000 individuals evacuated using High Water Transport vehicles
- Nearly 1.8 million gallons of water purified to support 3 hospitals in Columbia, preventing patients from need to evacuate
- Responded to 77 Fire Calls with the City of Columbia
- 60,000 gallons water pumped from flooded downtown Columbia
- Transported 92,000 Red Cross Meals and MREs
- Transported 16,500 gallons bulk water
- Transported more than 70,000 bottles of water
- Transported 526,000 empty small sandbags
- Transported 80 pallets in support of operations
- Transported over 130,000 filled small sandbags to 15 counties
- Transported over 3,500 tons of raw sand
- Filled and transported 7,000 one-ton sandbags
- Manned 138 Traffic Control/Security Points
- Conducted over 2,000 Wellness Checks
- 19 Point of Distribution sites established for water and supply distribution
- Provided security for 5 shelters
- Assisted in 2 dam saves and inspected 10 dams
- Provided engineer assets and coordinated the response efforts in conjunction with the City of Columbia and FERC for the Columbia Canal repair
- Transported 35,000 tons of large rocks to Canal
- Provided security for Swift Boat assets at Fire Academy
- Sling-loaded 100 one-ton sandbags & construction equipment to Columbia canal
- Conducted more than 125 emergency road restoration missions to open roads that had been washed out by the floods in support of public safety and mobility
- 3-15OCT logged over 290 Army Aviation flight hours
- 260,000 miles from military vehicles tracked
- Conducted operations in 20 Counties (Berkley, Calhoun, Charleston, Colleton, Clarendon, Darlington, Dorchester, Florence, Greenwood, Greenville, Georgetown, Horry, Kershaw, Lee, Lexington, Marion, Newberry, Richland, Sumter, Williamsburg)
- To date more than 350 missions complete and more than 50 ongoing

SOUTH CAROLINA NATIONAL GUARD

FLOOD RESPONSE OCT 1-ONGOING 2015

Historic Event Significance

- Called "1,000 year flood"- Epic event
- 11 Trillion gallons of rain water impacted Carolinas (1-5 OCT)
- 19 Citizens lost their lives, mostly due to traffic accidents and flood water related incidents on roads.

City of Columbia Canal Operation

- Canal primarily used for controlled water supply to Water Treatment Facility for City of Columbia (30 MGD) and power generation
- Canal provides water for more than 80,000 people, with no real back up. The canal repair was a no fail mission.
- Levee constructed 1820s; headwater gates 1894
  (Aged infrastructure)
- Levee breached 4 OCT 3.5 miles downstream of headwater gates
- Plans to construct Rock Dam upstream of levee breach
- Access to levee using aviation and dumping rock off 12th Street Bridge onto levee
- Over 16 agencies in response:
  - City of Columbia
  - South Carolina Electric and Gas (SCE&G)
  - S.C. Army National Guard
  - S.C. Air National Guard
  - N.C. Army National Guard
  - State Guard
  - S.C Department of Transportation
  - Columbia Police and Department of Public Safety
  - Chao and Associates
  - Khleinschmidt
  - McClam and Associates Inc.
  - D&J Machinery
  - FERC
  - Lockhart
  - Blanchard Mechanical
  - Patriot Construction
- 2,500 loads of rock and more than 35,000 tons of rock hauled from 5-12 OCT
- 560 1 ton rock bags filled by hand
- 600 1 ton sand bags filled
- Over 72,000 small sandbags filled
- Sandbags & temp frames blocked old headwater gates to reduce flowrate.
- Temporary pumps installed into river; multiple power distribution & data line on levee re-routed
- Canal closed Monday 12 OCT; crisis averted
- Water restrictions lifted 14 OCT

www.facebook.com/SCGuard
www.facebook.com/SCTAG
www.flickr.com/SCGuard
www.twitter.com/SCNationalGuard
www.dvidshub.net/unit/SCNG
www.youtube.com/SCNationalGuard

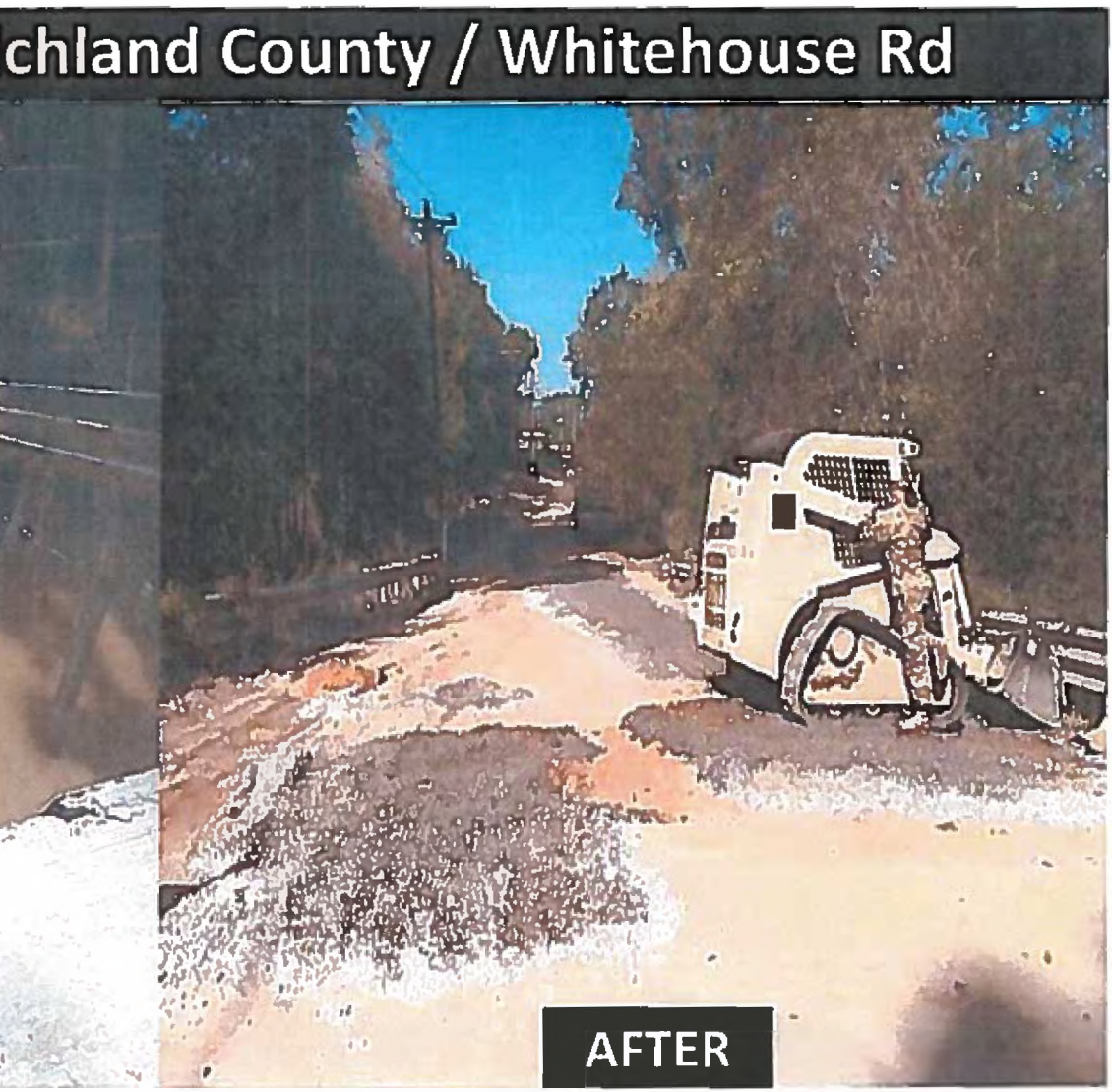
EN MISSION STATUS

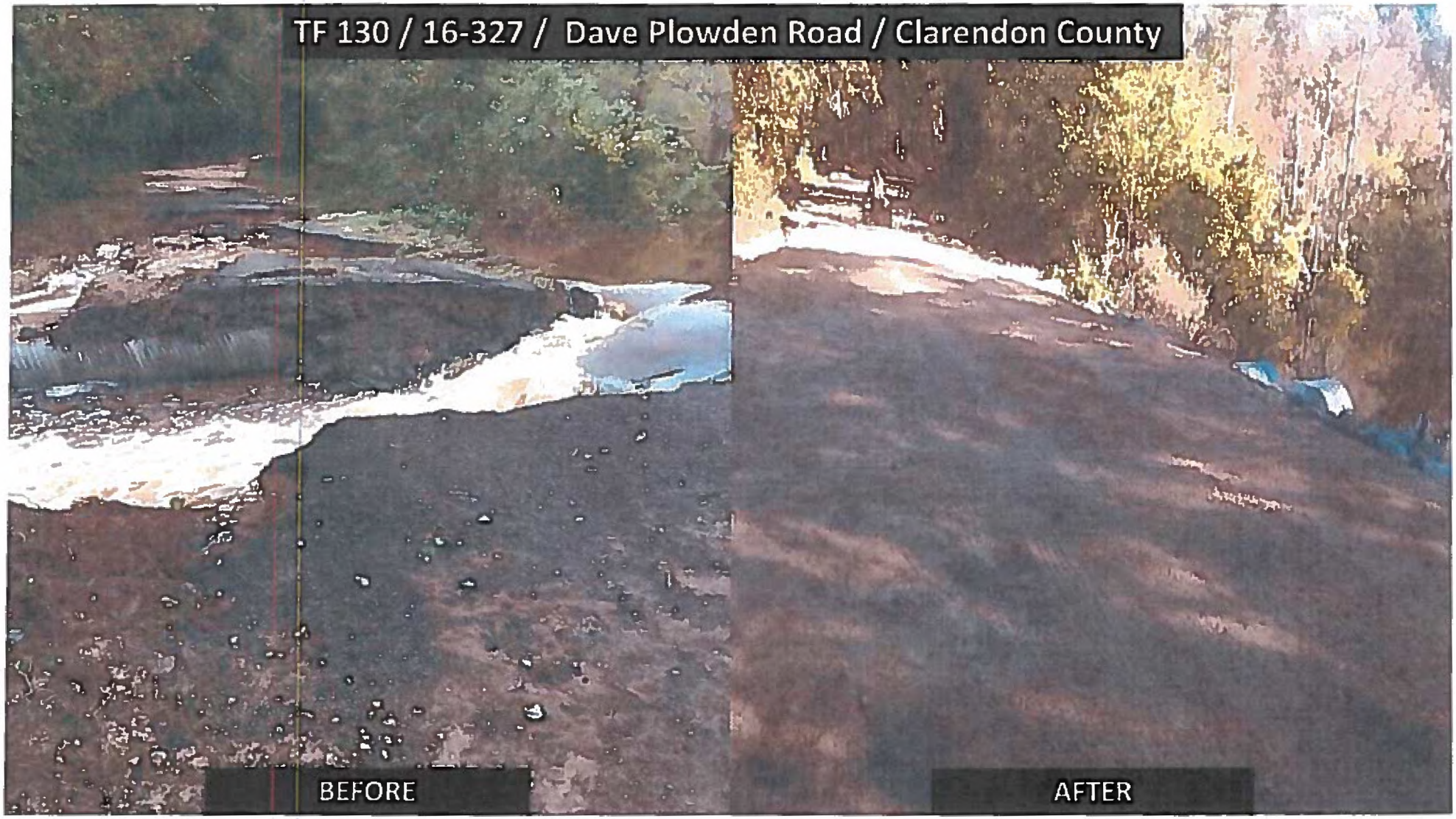
AS OF 202200OCT15

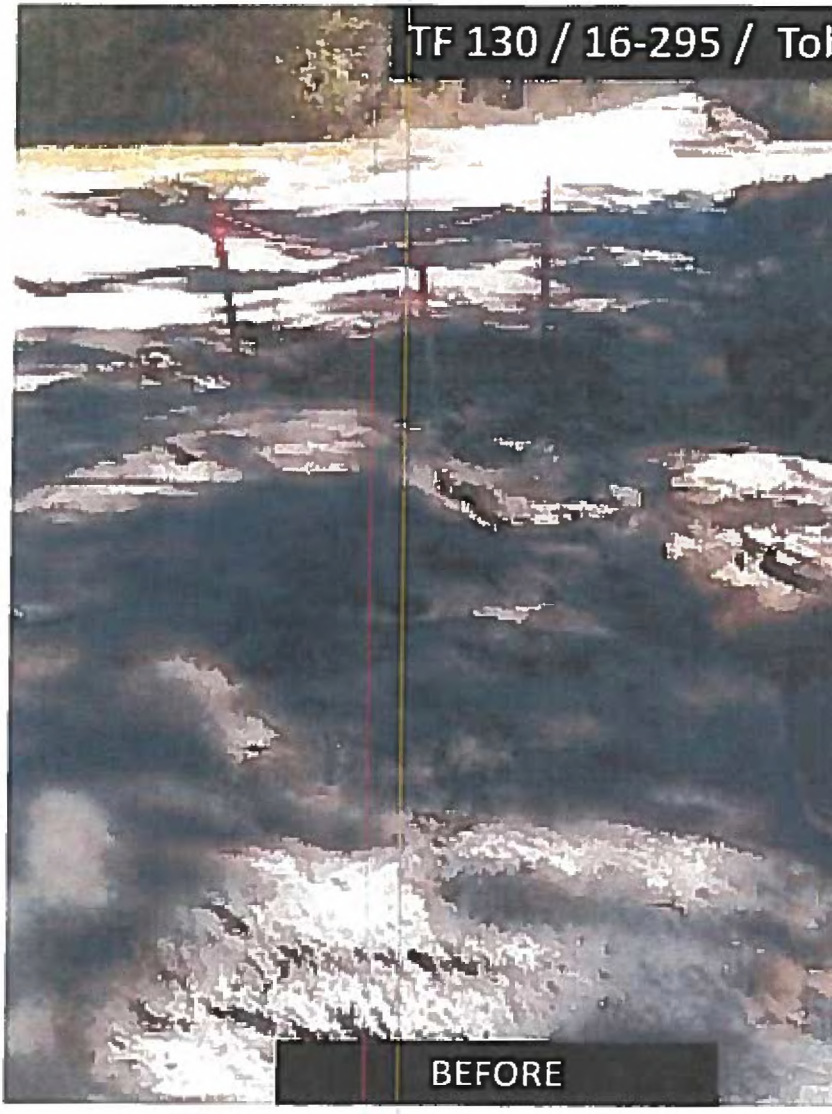
County	Missions Assigned	Mission Started	QUEUE Pending	Missions Completed
Clarendon	29	5	7	17
Georgetown	9	1	4	4
Sumter	1	0	0	1
Bamberg	5	0	5	0
Williamsburg	19	6	0	13
Calhoun	4	0	0	4
Lexington	32	2	4	26
Richland	29	5	2	22
Kershaw	1	0	0	1
Total:	**129**	**19**	**22**	**88 (68%)**

TF 59 / 178 EN BN / Ri

BEFORE


chland County / Whitehouse Rd
AFTER


TF 130 / 16-327 / Dave Plowden Road / Clarendon County
BEFORE
AFTER


TF 130 / 16-295 / Tol
BEFORE

pias Road / Clarendon County
AFTER

DHEC SUMMARY

Dams

October 20, 2015 UPDATE: Below is a listing of all of the confirmed failed dams to date after the historic 2015 flooding in South Carolina. The table includes links to inspection reports and/or additional records on file for each dam. All reports listed are from before the 2015 flooding events.

Aiken County

Dam Name	Class*	Dam Number	Latitude	Longitude	
Corbett Lake	C3	D2052	33.648651	-81.211333	Download
SC NONAME 02019 (Bailey Pond)	C3	D2034	33.594676	-81.285939	Download
Able/ Cobett Pond Dam	C3	D2048	33.62181631	-81.23376209	Download

Claredon County

Dam Name	Class*	Dam Number	Latitude	Longitude	
O E Rose Dam	C2	D3487	33.80674348	-80.09057333	Download
Lakewood Pond Dam	C2	D3490	33.7318223	-80.09334774	Download

Darlington County

Dam Name	Class*	Dam Number	Latitude	Longitude	
Chapman's Pond Dam	C2	D3533	34.42	-79.941666	Download

Kershaw County

Dam Name	Class*	Dam Number	Latitude	Longitude	
Cook Pond Dam	C2	D1068	34.15243939	-80.77560768	Download

Lexington County

Dam Name	Class*	Dam Number	Latitude	Longitude	
Old Mill Pond Dam	C1	D0958	33.974641	-81.232641	Download
Gibson's Pond Dam	C2	D0959	33.969067	-81.244925	Download
Barr Lake Dam	C2	D1717	33.958512	-81.259604	Download

Lee County

Dam Name	Class*	Dam Number
Clyburn	C2	D2412

Orangeburg County

Dam Name	Class*	Dam Number
JW Smoaks Pond	C2	D3738
Culler Pond (SCNONAME 38070)	C3	D3682
Busbees Pond (Hutto's Millpond Dam)	C2	D3701
SCNONAME 38036 (Cleveland Street)	C3	D3743

Richland County

Dam Name(s)	Class*	Dam Number
Cary's Lake Dam	C1	D0026
Upper Rocky Creek/ North Lake/Overcreek Rd.	C1	D0029
Lower Rocky Ford Dam /Rocky Ford Lake	C1	D0028
Semmes Lake Dam	Federal	Fort Jackson
Beaver Dam/Wildewood Pond #2/Boyd Pond Two (Controlled release)	C2	D0567
Lake Elizabeth	C1	D 0024
Ulmers Pond	C1	D0581
Sunview Lake Dam	C2	D0579
Walden Place Dam	C1	D0572
Pinewood Lake Dam	C2	D0580

Latitude	Longitude	
34.329886	-80.302055	Download

Latitude	1Longitude	
33.525181	-80.934540	Download
33.63670829	-81.15938027	Download
33.55656622	-81.05704327	Download
33.52294114	-80.51387012	Download

Latitude	Longitude	
34.048873	-80.957954	Download
34.040808	-80.951982	Download
34.036033	-80.952343	Download
34.004763	-80.941769	Download
34.096382	-80.886478	Download
34.113028	-80.987693	Download
33.968661	-80.895350	Download
33.96735	-80.91163	Download
34.11678	-80.84591	Download
33.94404929	-80.91198374	Download

Dam Name(s)	Class*	Dam Number	Latitude	Longitude	
Covington Lake Dam	C2	D0545	34.13463666	-80.97464885	Download
Murray Pond Dam	C2	D0595	33.98543068	-80.70793299	Download
Wilson Millpond Dam	C2	D0594	33.99992669	-80.74288775	Download
Weston Pond Dam	C3	D0593	33.883093	-80.768417	Download
Clarkson Pond Dam	C3	D0599	33.870060	-80.826624	Download
Duffies Pond Dam	C2	D0600	33.84433294	-80.85269049	Download

Sumter County

Dam Name	Class*	Dam Number	Latitude	Longitude	
Ellerbees Millpond Dam	C2	D1460	34.06843763	-80.53162143	Download

What the dam classifications mean:
C1 – Failure may cause loss of life or serious damage to infrastructure.
C2 – Failure will not likely cause loss of life but may damage infrastructure.
C3 – Failure may cause limited property damage

USACE Inspection Status of SCDHEC's 652 State Permitted Dams

* Breached Dams. Some are state confirmed only.

Does not include federal non-regulated dam.

Wednesday - Oct. 14, 2015 (Total CORPS Inspections 324)

	S1	Class 1	Class2	Class3
Red	0	0	2	0
Orange	0	10	17	1
Breached	0	7	16	8

Thursday - Oct. 15, 2015 (Total CORPS Inspections 390)

	S1	Class 1	Class2	Class3	Emergency Orders Sent
Red	0	0	2	0	2
Orange	0	10	19	1	30
Breached*	0	7	16	8	31
					63

Friday - Oct. 16, 2015 (Total CORPS Inspections 450)

	S1	Class 1	Class2	Class3	Emergency Orders Sent
Red	0	0	3	0	3
Orange	0	10	25	1	36
Breached*	0	7	16	8	31
					70

Saturday - Oct. 17, 2015 (Total CORPS Inspections 510)

	S1	Class 1	Class2	Class3	Emergency Orders Sent
Red	0	0	3	0	3
Orange	0	10	27	1	36
Breached*	0	7	16	8	31
					70

Sunday - Oct. 18, 2015 (Total CORPS Inspections 578)

	S1	Class 1	Class2	Class3	Emergency Orders Sent
Red	0	0	3	0	3
Orange	0	10	30	1	41
Breached*	0	7	16	8	31
					75

Monday - Oct. 19, 2015 (Total CORPS Inspections 625)

	S1	Class 1	Class2	Class3	Emergency Orders Sent
Red	0	0	3	0	3
Orange	0	10	30	1	41
Breached*	0	7	16	8	31
					75

Tuesday - Oct. 20, 2015 (Total CORPS Inspections 645)

	S1	Class 1	Class2	Class3	Emergency Orders Sent
Red	0	0	3	0	3
Orange	0	10	30	1	41
Breached*	0	7	16	8	31
					75

Scheduled Completion** - Thursday, Oct. 22, 2015

*** Earliest time out-of-town owner could schedule to meet and allow DHEC site access for the last dam inspection.*

Class 1 - High Hazard Dams
Class 2 - Significant Hazard Dams
Class 3 - Low Hazard Dams
S1 - Doesn't meet size criteria for 1, 2, or 3 classification, but potential threat to downstream area

Red - Needs immediate attention, failure possible
Orange - Needs damage repair, could lead to failure
Breached - Has failed

Emergency Orders Issued by County

County Name	Class 1	Class 2	Class 3	
Aiken		3	3	
Anderson		1		
Chester		3		
Chesterfield		1		
Clarendon		3		
Darlington		2		
Edgefield		6		
Fairfield		1		
Greenwood		3		
Kershaw	2	2		
Laurens	2			
Lee		1		
Lexington	1	2	1	
Marlboro	1			
Orangeburg		2	2	
Richland	11	14	3	
Saluda		1		
Spartanburg		1		
Sumter		3		
Totals	17	49	9	75

DHEC SUMMARY

Boiled Water Advisories, Mobile Vaccination Clinics, Well Water Testing

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10/20/2015 – Update on Boiled Water Advisories

As of today, there are **5 boiled water advisories in 5 counties affecting 32,888 people, down from 40 advisories that affected an estimated 436,045 people at the peak of the response** to the disaster.

Below is a breakdown of the existing advisories:

- Richland County - Fort Jackson affecting 32,391 people.
- Aiken County - New Holland Water District affecting 370 people.

The following are businesses on wells that remain under a boiled water advisory:

- Shumans Foods in Dorchester County affecting 24 people.
- Cohens Drywall in Berkeley County affecting 15 people.
- Interfor in Georgetown County affecting 8 people.

10/20/2015 – Update on Mobile Vaccination Clinics

DHEC has **administered 3,200 tetanus vaccines** through our mobile clinics to date.

DHEC **has conducted mobile clinics at 31 sites in 14 counties** as of today.

Additionally, DHEC has conducted 6 offsite clinics, mostly at Disaster Recovery Centers.

Counties served by mobile clinics so far:
Charleston
Dorchester
Orangeburg
Lexington
Sumter
Clarendon
Richland
Florence

Kershaw
Horry
Darlington
Lee
Georgetown
Williamsburg

10/20/15 – Update on DHEC Well Water Testing:

DHEC **has tested 763** well water samples **from 34 counties** as of 1 p.m. today.

To date, DHEC **has distributed more than 3,000 well water testing kits** statewide.

Note: Before people sample, they need to disinfect their wells, wait 7-10 days then sample - so we expect this to continue for several more weeks.

A breakdown of testing performed by county so far is below:

County	Total Number of Sample Requests
Aiken	3
Allendale	1
Bamberg	2
Barnwell	1
Calhoun	4
Edgefield	0
Orangeburg	12
Saluda	3
Beaufort	0
Colleton	16
Hampton	0
Jasper	0
Abbeville	1
Anderson	2
Dorchester	8
Fairfield	7
Greenwood	4
Laurens	2
Lexington	64
McCormick	1
Newberry	1

Richland	350
Berkeley	13
Charleston	20
Chesterfield	0
Clarendon	73
Darlington	3
Dillon	1
Florence	33
Kershaw	8
Lee	3
Marlboro	0
Marion	0
Sumter	95
Cherokee	0
Greenville	0
Oconee	0
Pickens	2
Spartanburg	0
Union	0
Chester	1
Lancaster	1
York	2
Horry	9
Georgetown	6
Williamsburg	11

TOTAL 763