

The Disaster Center is dedicated to the idea that disaster mitigation is cost effective and individuals pursuing their own interest are the greatest potential force for disaster reduction.

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When disaster mitigation is cost effective, we are on the road to bringing disasters to an end.



# **FEMA**

## **Daily Operations Briefing**

**Tuesday, October 6, 2015**

**8:30 a.m. EDT**

# Significant Activity: Oct 5 - 6



**Significant Events:** Southeast Flooding

## **Tropical Activity:**

- Atlantic: Hurricane Joaquin; Disturbance 1 – Low (20%)
- Eastern Pacific: Tropical cyclone activity not expected next 48 hours; Disturbance 1 – Low (20%)
- Central Pacific: Tropical Storm Oho; Disturbance 2 – Low (0%)
- Western Pacific: No activity affecting U.S. interests

## **Significant Weather:**

- Severe thunderstorms and flash flooding possible – Southwest
- Rain & thunderstorms – Across most of the West
- Critical/Elevated Fire Weather areas – None
- Red Flag Warnings – None
- Space weather: Past 24 hours – Minor, G1 geomagnetic storms observed; next 24 hours – none predicted

## **Declaration Activity:**

- Major Disaster Declaration – South Carolina
- Request for Emergency Declaration – Navajo Nation

# Flooding – Southeast



## **Situation:**

- Widespread 10 to 20 inches of rain, with locally higher amounts of over 26 inches since Friday primarily central/coastal SC
- Minor coastal flooding continues today in the Lower Chesapeake Bay area
- Storm system has moved away from the affected areas; no significant weather expected through the weekend

## **Impacts:**

- Flood waters receding; however, major areal/river flooding expected to continue until later in the week
- Numerous Interstates, local/state roads, and bridges closed (550 closures Tuesday, 100 in Columbia)
- 11 (+5) confirmed storm related fatalities in SC (7 due to drowning, 4 due to traffic accidents); one fatality in NC
- 18 private dams have breached or overtopped in SC; as many as 9,000 people potentially impacted
- Local evacuations and rescues continue; hundreds of people evacuated statewide in SC
- Shelters:
  - SC: 24 (+2) open shelters with 838 (-65) occupants (*per SC EOC*)
  - NC: 3 (-2) open with 43 (+23) occupants (*per SC EOC*)
- Power has been restored to a majority of customers
- City of Columbia water system operational but boil-water advisory in effect; no plans to evacuate local hospitals
- Majority of schools, County/Federal Governments returning to normal operations today or tomorrow

# Flooding – Southeast



## **FEMA Region III:**

- RRCC not activated; RWC returned to Watch/Steady State (24/7)
- Region III IMAT reconstituting
- VA EOC remains Partially Activated; VA Governor declared State of Emergency

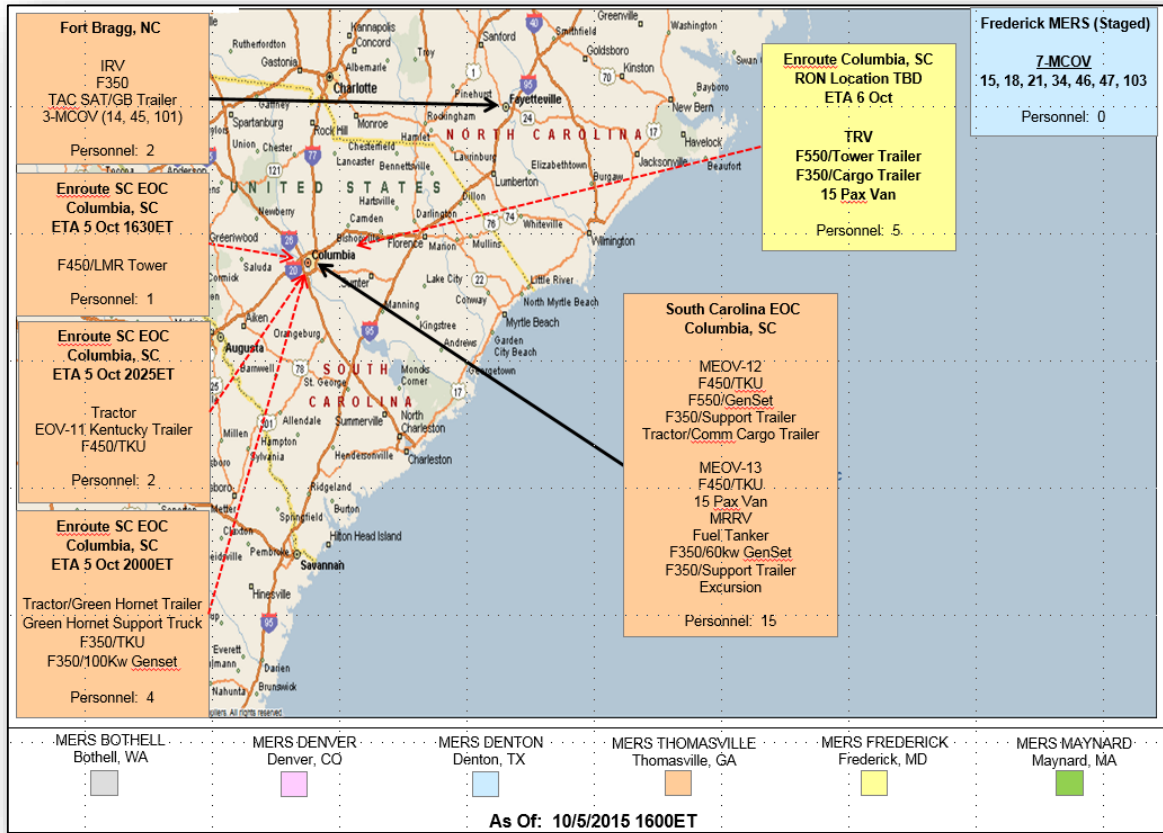
## **FEMA Region IV:**

- RRCC Level 1 – Fully Activated (day shift) with all ESFs & DCE; RWC at Enhanced Watch (night shift)
- Region IV IMAT & LNO deployed to SC; [IMAT and LNO from NC EOC reconstituting](#)
- SC EOC is Fully Activated; SC Governor declared State of Emergency
- NC EOC Monitoring; NC Governor declared State of Emergency
- TN EOC Monitoring

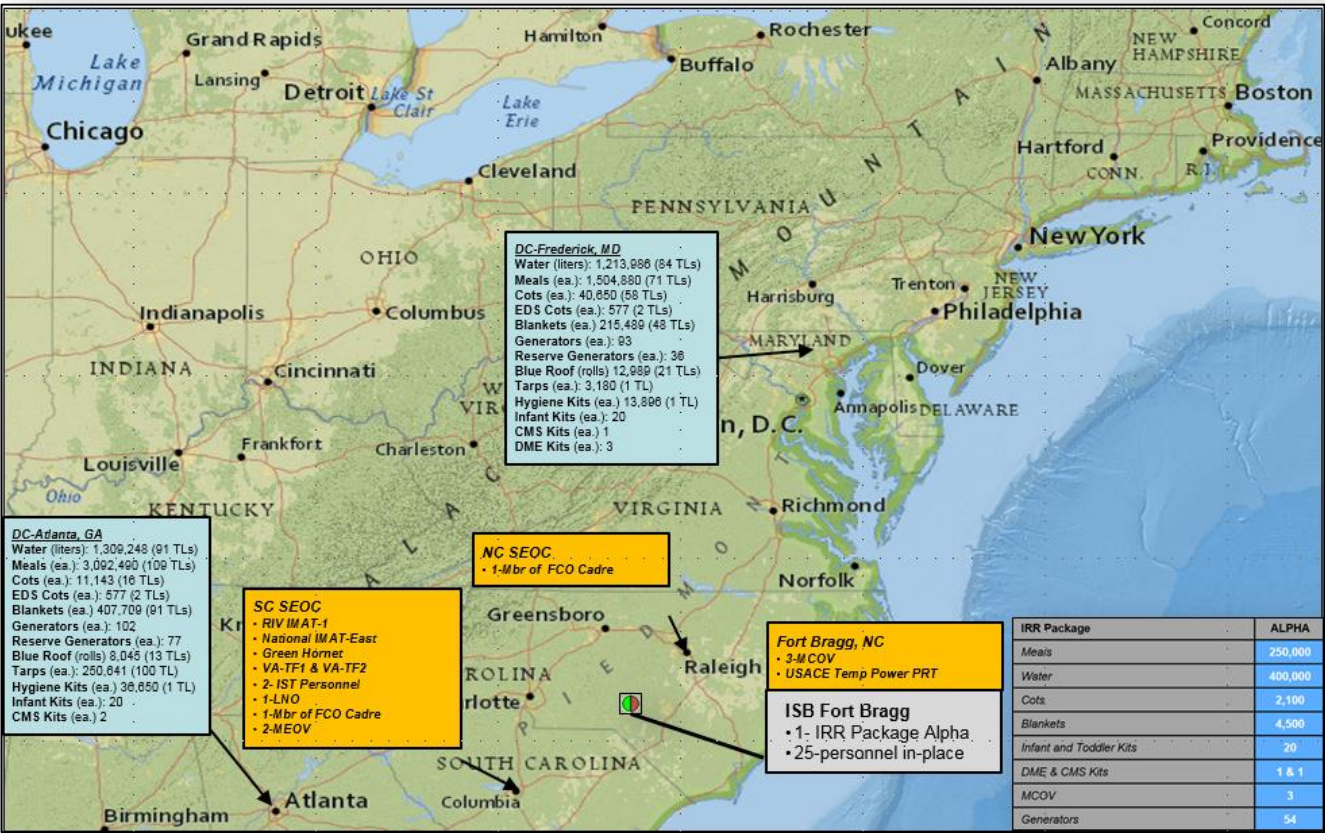
## **FEMA HQ:**

- [Major Disaster Declaration \(FEMA-4241-DR-SC\) approved Oct 5](#)
- Emergency Declaration (FEMA-3373-EM-SC) approved Oct 3
- NRCC not activated (on Advisory); NWC at Enhanced Watch, 24/7
- National IMAT East-1 and DEC communications package/team deployed to SC EOC
- [ISB teams in JBDML \(NJ\) & Westover \(MA\) demobilized; ISB team remains in Ft. Bragg \(NC\)](#)
- US&R IST Red, VA-TF1 & VA-TF2 as Type I Task Forces deployed to SC

# MERS Deployed Assets

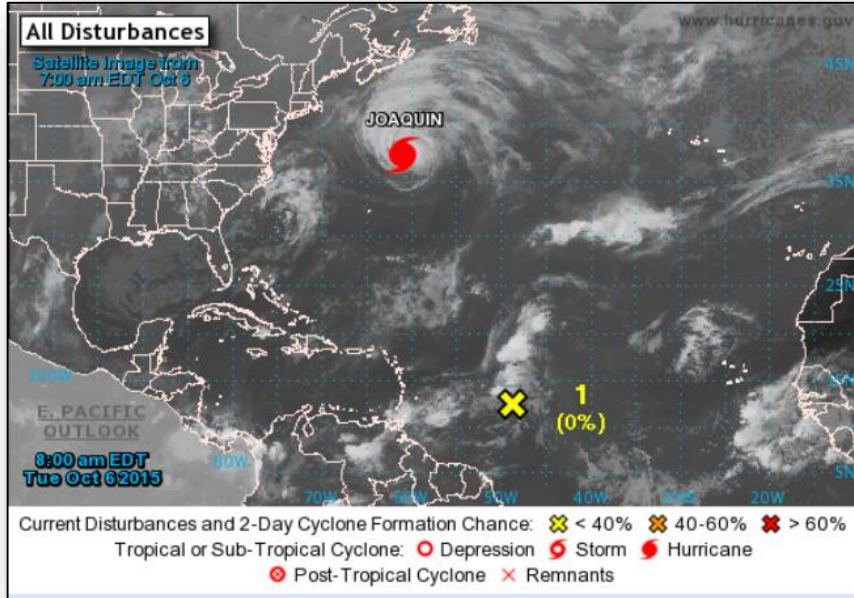


# Commodities & Force Laydown



IRR Package	ALPHA
Meals	250,000
Water	400,000
Cots	2,100
Blankets	4,500
Infant and Toddler Kits	20
DME & CMS Kits	1 & 1
MCOV	3
Generators	54

# 2 Day Tropical Outlook – Atlantic

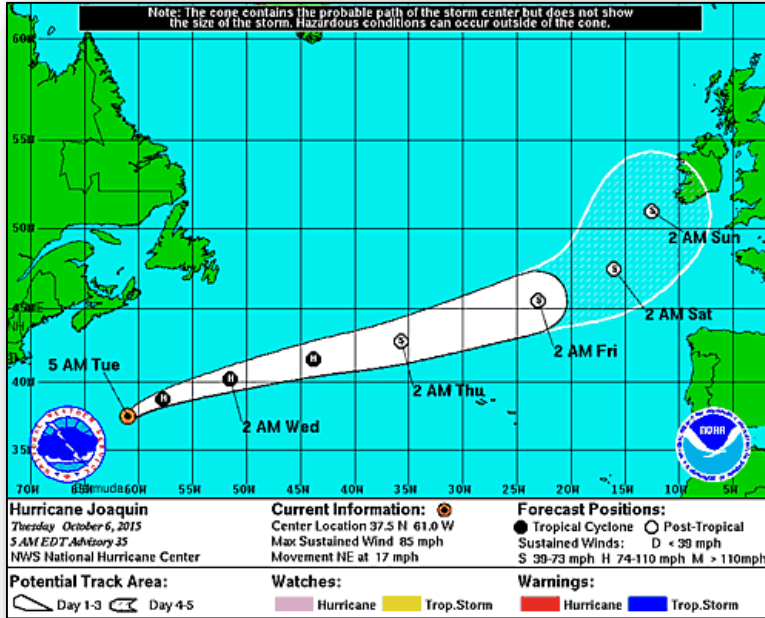


## Disturbance #1 (As of 8:00 a.m. EDT)

- Located 850 E of the Lesser Antilles
- Moving WNW at 15-20 mph
- Upper-level winds continue to be unfavorable for tropical cyclone formation
- Any development of this system should be slow to occur
- Formation chance through 48 hours: Low (0%)
- Formation chance through 5 days: Low (20%)



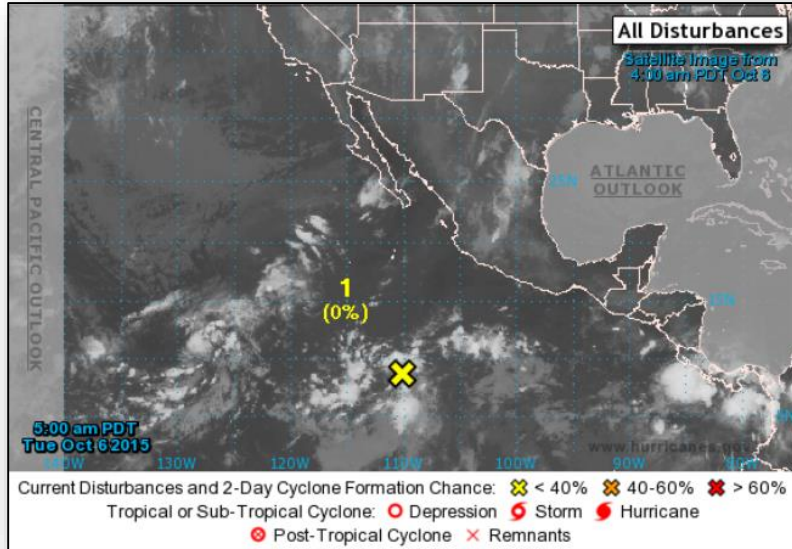
# Atlantic – Hurricane Joaquin



## Hurricane Joaquin (Advisory #35 as of 5:00 a.m. EDT)

- Located 420 miles NNE of Bermuda
- Moving NE at 17 mph
- Turn ENE with increase in forward speed expected today
- A rapid ENE motion expected Tonight and Wednesday
- Maximum sustained winds 85 mph (Category 1)
- Slow weakening forecast next 48 hours
- Expected to become an extratropical cyclone Wednesday
- Hurricane force winds extend 45 miles
- Tropical storm force winds extend 220 miles
- No coastal watches or warnings in effect

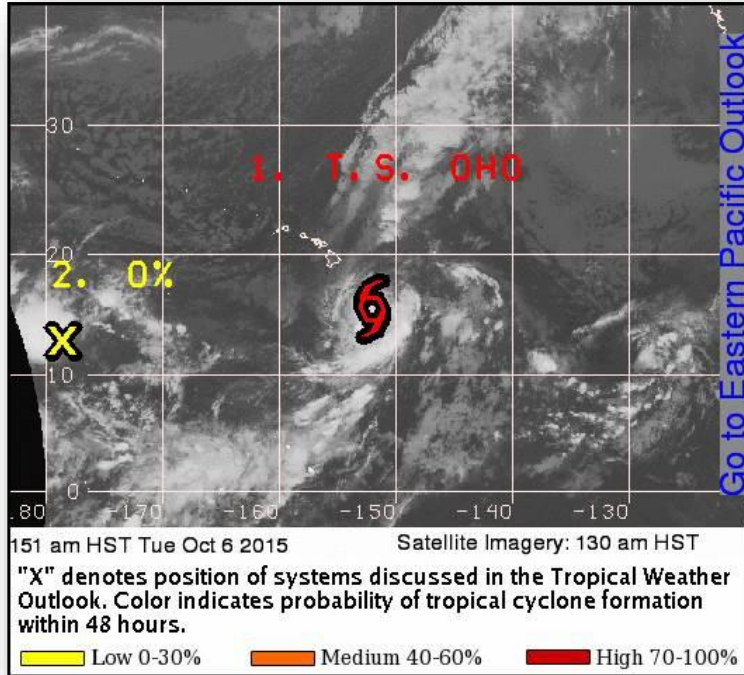
# 2 Day Tropical Outlook – Eastern Pacific



## Disturbance #1 (As of 8:00 a.m. EDT)

- Showers/thunderstorms, located 1,000 miles SW of the southern tip of Baja California, Mexico
- Moving WNW
- Gradual development of this system possible this week
- Formation chance through 48 hours: Low (0%)
- Formation chance through 5 days: Low (20%)

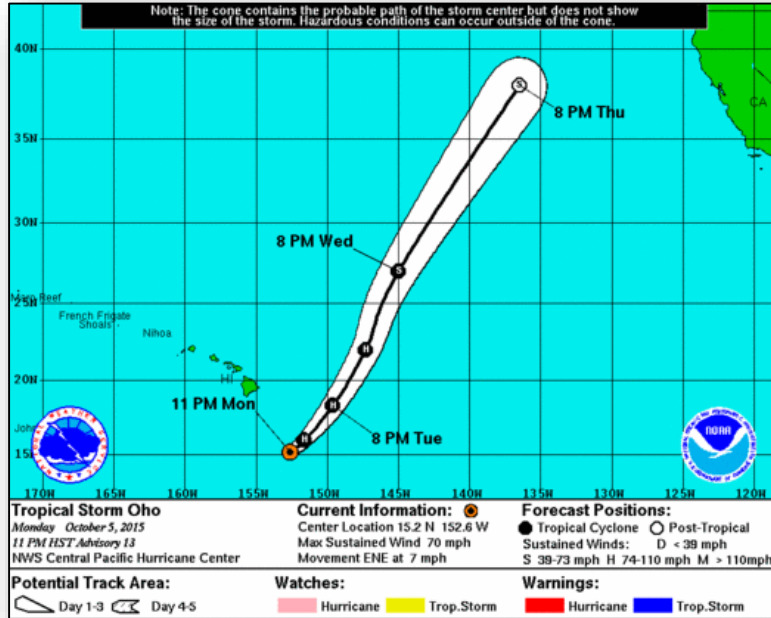
# 2 Day Tropical Outlook – Central Pacific



## Disturbance #2 (As of 8:00 a.m. EDT)

- Disorganized remnant low, formerly Tropical Depression Eight-C
- Located 1,500 miles SW of Honolulu, HI
- Moving W at 10 mph
- Upper-level winds will likely inhibit redevelopment
- Formation chance through 48 hours: Low (near 0%)

# Central Pacific – Tropical Storm Oho



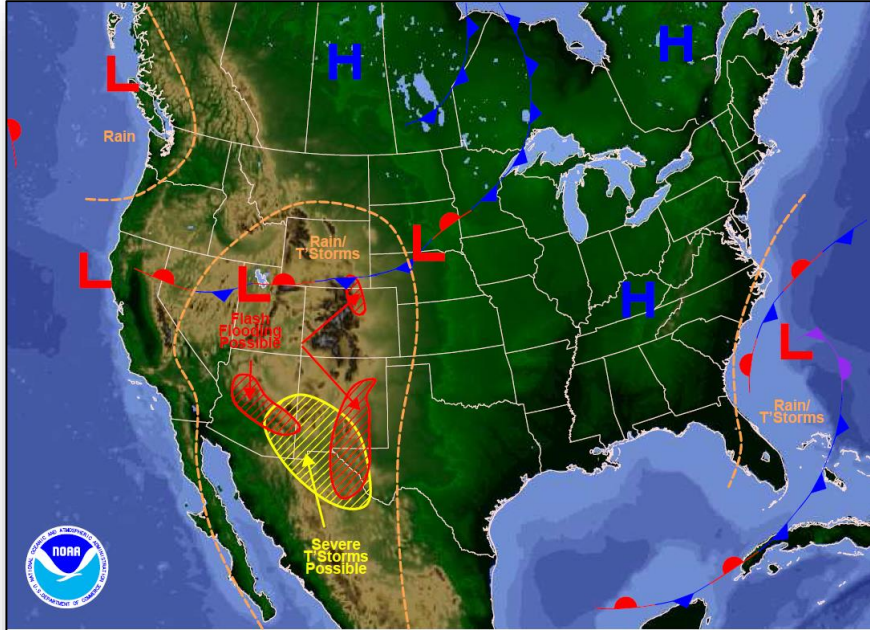
## Tropical Storm Oho Advisory #13 (as of 5:00 a.m. EDT, Oct 6)

- Located 350 miles SSE of Hilo, Hawaii
- Moving ENE at 7 mph
- Expected to turn toward the NE today
- Maximum sustained winds 70 mph
- Additional strengthening forecast through Wed
- Tropical storm force winds extend 125 miles
- No coastal watches or warnings in effect

## Response

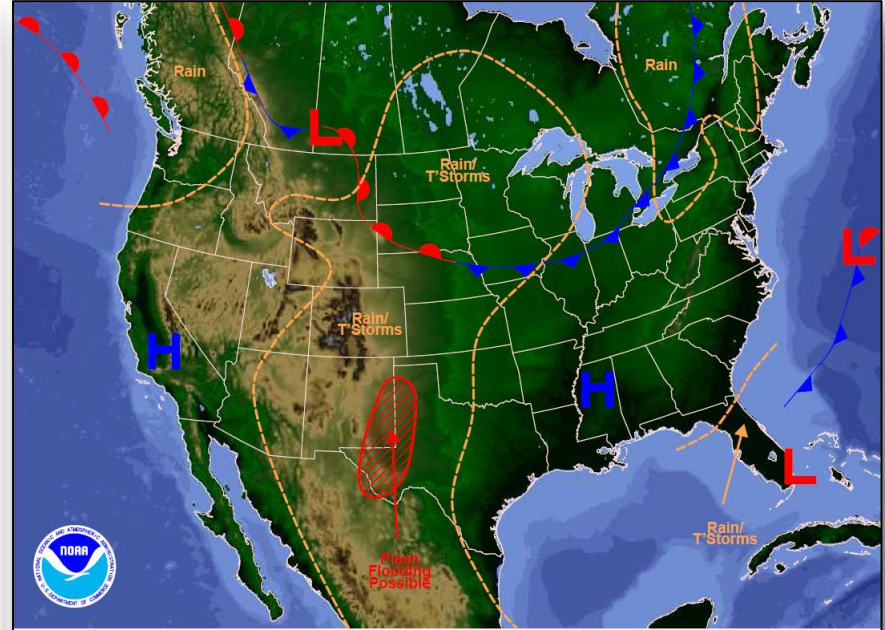
- ISB team (7 people) deployed to DC HI

# National Weather Forecast



Weather Forecast for Tue, Oct 06, 2015, issued 4:28 AM EDT  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by McCreynolds based on WPC, SPC and NHC forecasts

*Today*



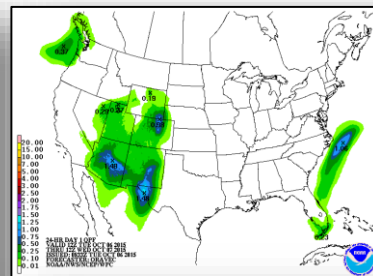
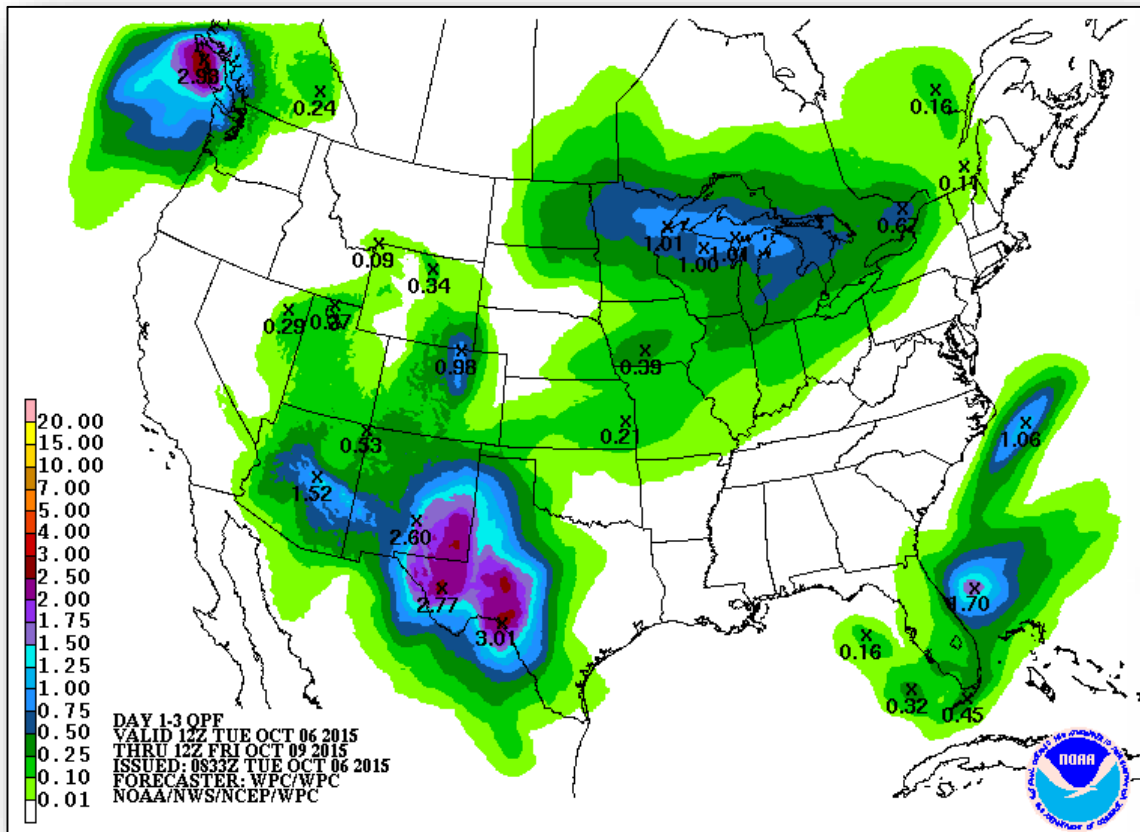
Weather Forecast for Wed, Oct 07, 2015, issued 4:39 AM EDT Tue, Oct 06, 2015  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by McCreynolds based on WPC, SPC and NHC forecasts

*Tomorrow*

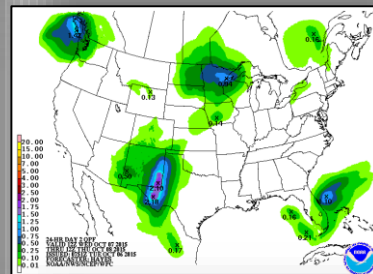
# Precipitation Forecast, 1-3 Day



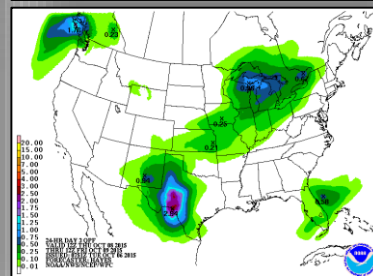
FEMA



Day 1

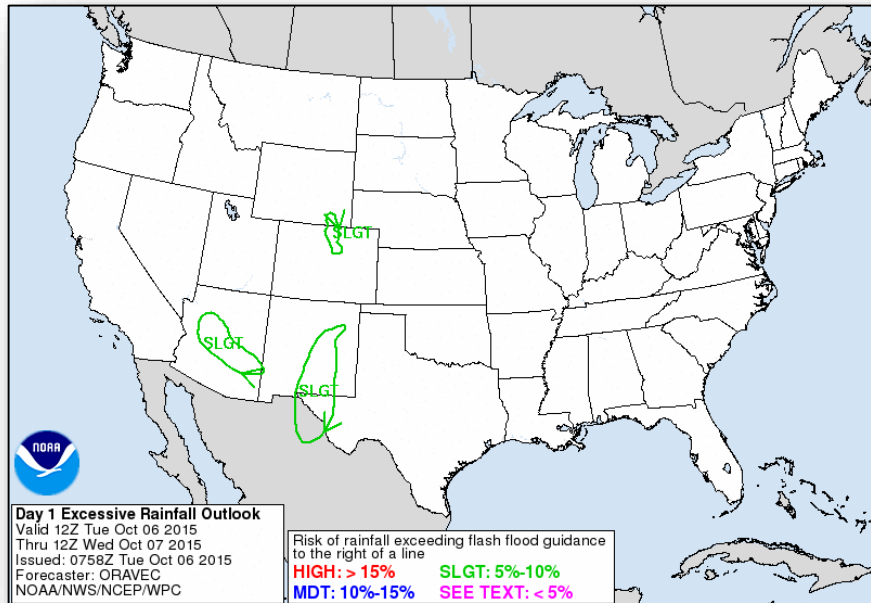


Day 2

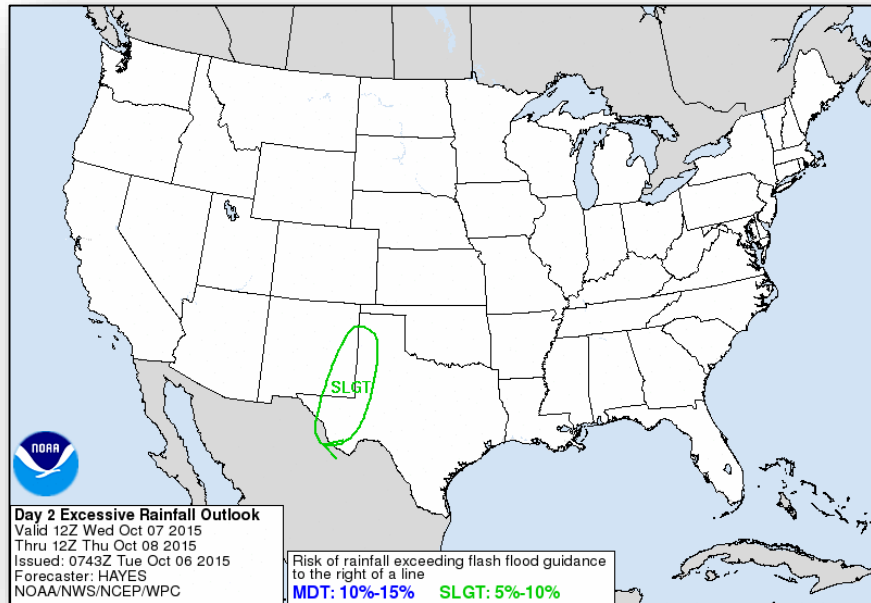


Day 3

# Flash Flood Potential, Days 1-2

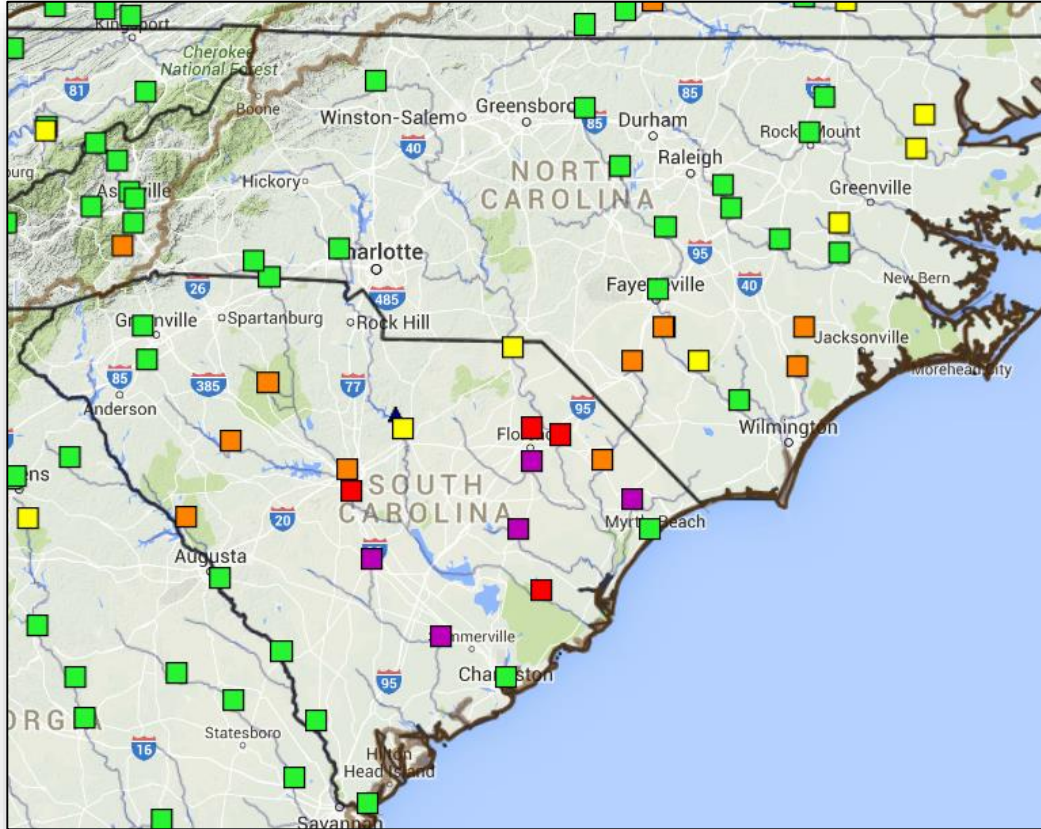


Day 1



Day 2

# River Forecasts

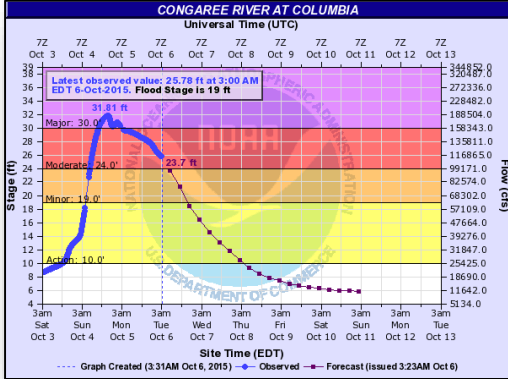


## River Flood Forecast

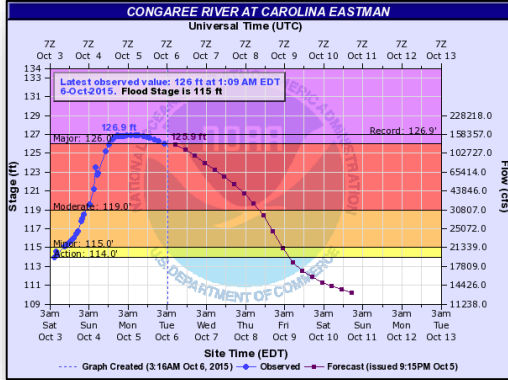
- Near Flood Stage ■
- Minor Flooding ■
- Moderate Flooding ■
- Major Flooding ■



# Congaree River – Columbia, SC

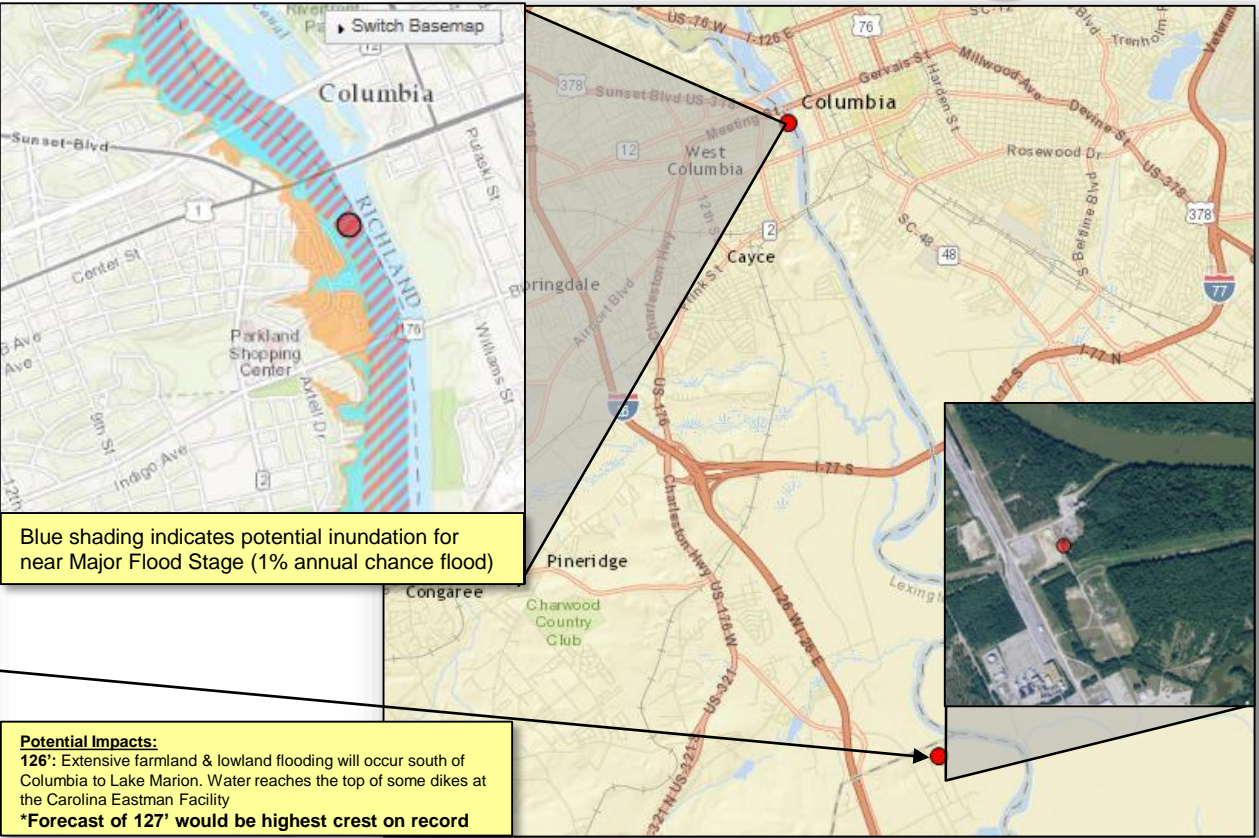


**Potential Impacts:**  
**31'**: The Essex Park Apartments along the Broad River and I-20 become flooded. SCE&G Columbia Canal Hydroelectric Plant and Palmetto Rock Quarry flooded

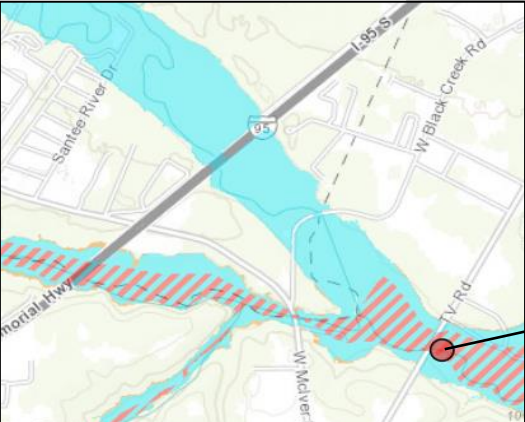
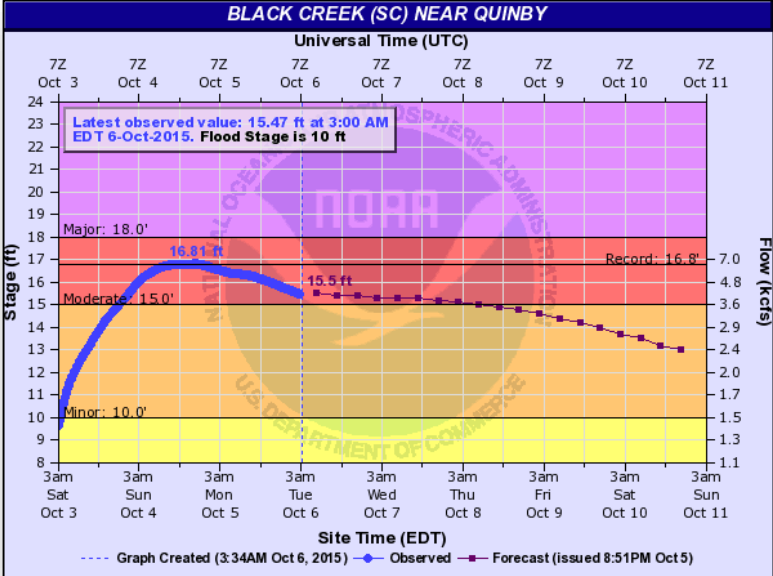


Blue shading indicates potential inundation for near Major Flood Stage (1% annual chance flood)

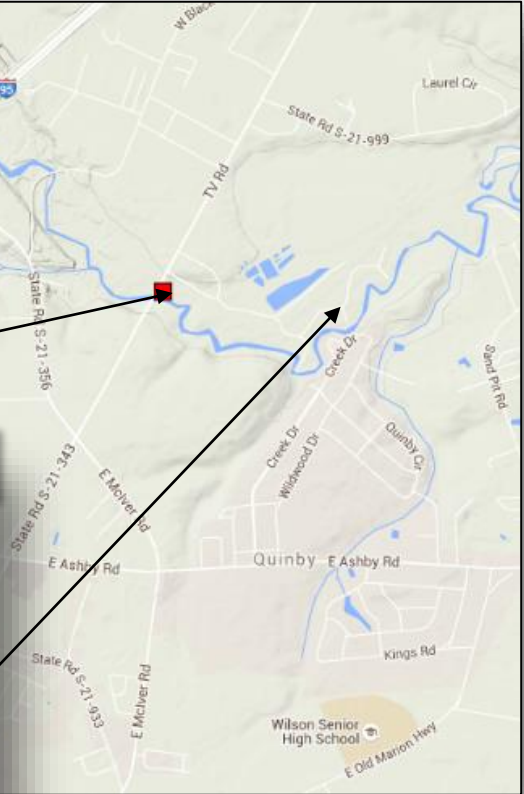
**Potential Impacts:**  
**126'**: Extensive farmland & lowland flooding will occur south of Columbia to Lake Marion. Water reaches the top of some dikes at the Carolina Eastman Facility  
**\*Forecast of 127'** would be highest crest on record



# Black Creek River – Quinby, SC



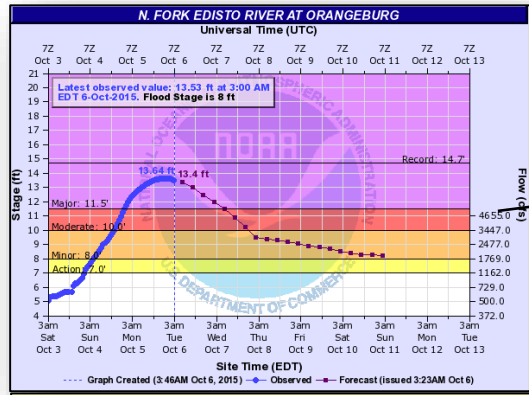
Blue shading indicates potential inundation for near Major Flood Stage (1% annual chance flood)



**Potential Impacts:**  
 Affected daytime population 1,845 (based on FEMA Flood Hazard Layer)  
 17': Floodwaters inundate approximately 20 homes on Creekside Drive, East Black Creek Road and Crooked Creek Drive  
 \*Crest of 16.8' was highest crest on record at this location.



# Edisto River



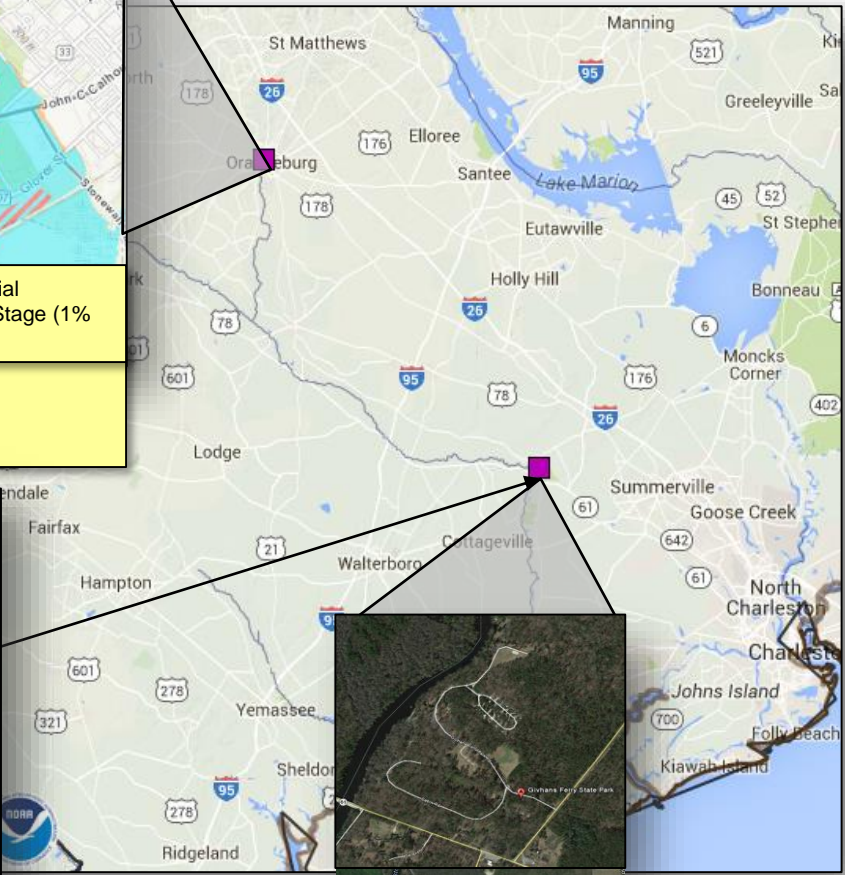
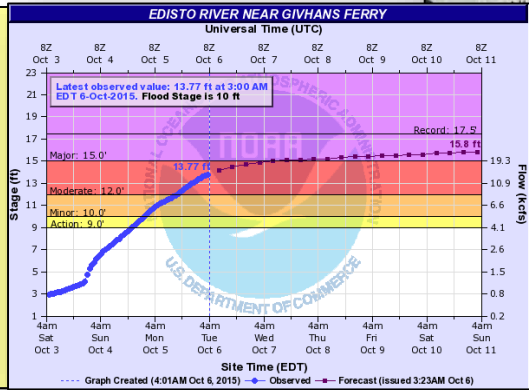
Blue shading indicates potential inundation near Major Flood Stage (1% annual chance flood)

**Potential Impacts:**

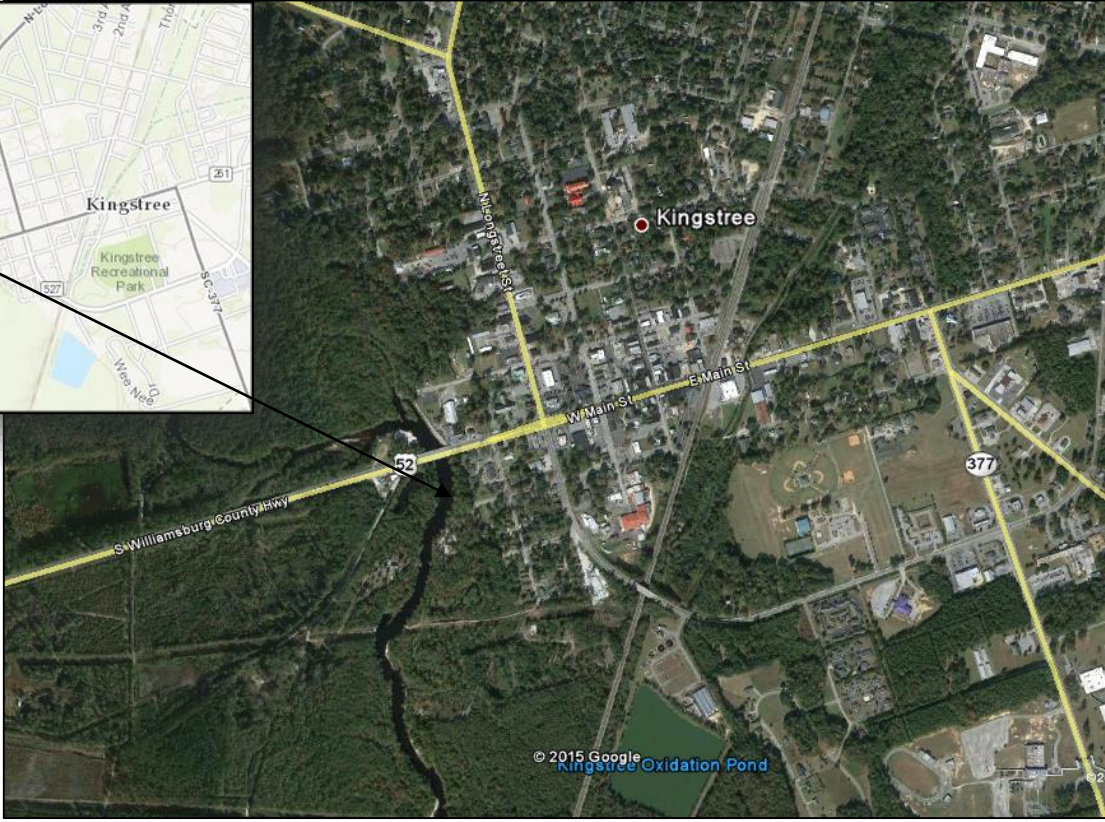
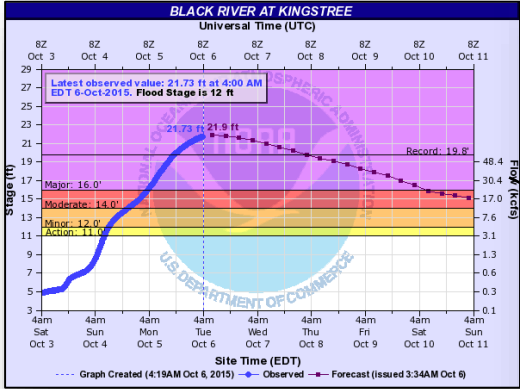
- 12': Secondary roads near Orangeburg become flooded; extensive farmland and lowlands downstream from Orangeburg will be flooded
- 11' River exceeds levee diking; large areas in the city of Orangeburg will be flooded

**Potential Impacts:**

- \*Estimated population of 250 along river between Canadys Landing & Norman Landing (26 mi)
- 15' Major flooding occurs; entire flood plain between Canadys & Norman Landing inundated. Extensive damage to homes & cabins & most river access roads are impassable
- 14.2' Homes along Happiness Lane flooded
- \*Forecast of 15.8' would be above 4th highest crest on record at this location



# Black River – Kingstree, SC



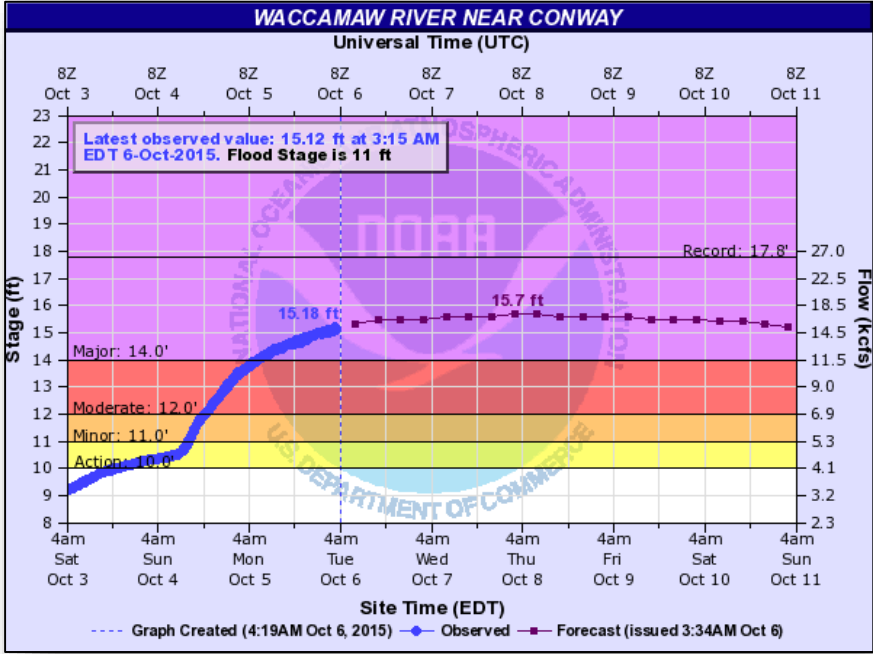
**Potential Impacts:**  
FEMA Flood Hazard Layer not available for this location.

**19.7':** Flood waters affect residential streets in Kingstree. Overflow from a canal on East Main Street near the railroad crossing may damage some stores in the area. Highway 52 and 261 closed.

**18.0':** Flood water will begin to overflow Highway 52 and 261 causing some closures. Some evacuations may become necessary in the Kingstree area.

**\*Forecast of 21.9'** will be highest crest on record at this location; 19.8 previous record in 1973

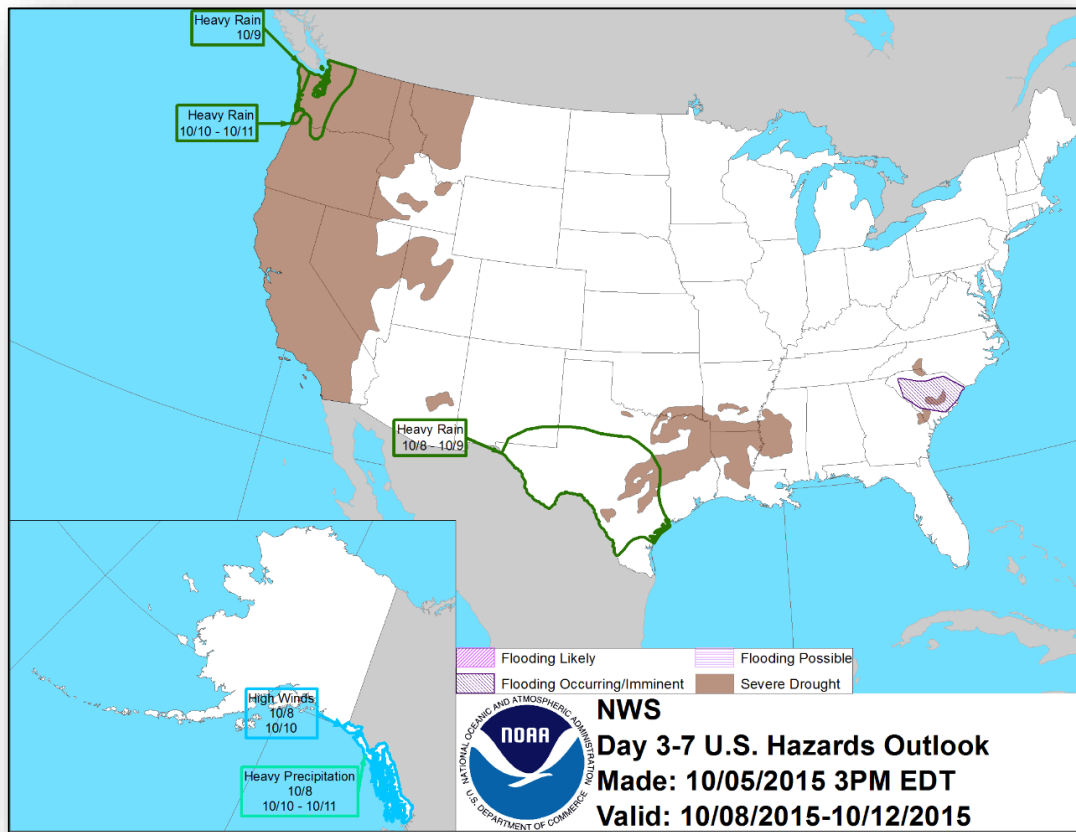
# Waccamaw River – Near Myrtle Beach, SC



**Potential Impacts:**  
 Most of the river is bordered by swamp and farmland  
 At forecast flood level, Hwy 501 and SC 905 become flooded. Homes and businesses near Business 501 (Conway) may experience flooding. Flooding also occurs in the basement of the government building at 4th Avenue and Kingston. The Conway Marina will be flooded. Railroad trestles in downtown Conway will flood at 15.9 feet

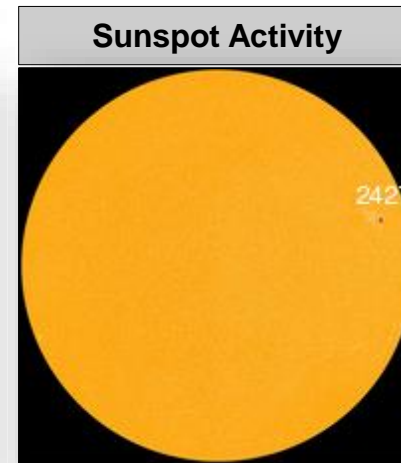
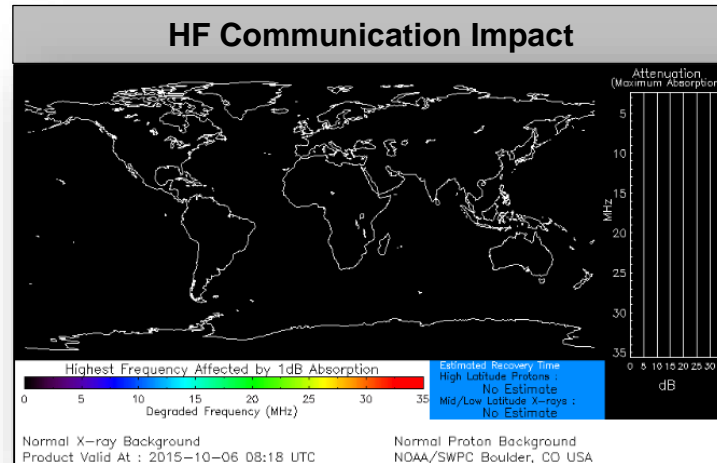


# Hazard Outlook, October 8-12



# Space Weather

	Past 24 Hours	Current	Next 24 Hours
Space Weather Activity:	Minor	None	None
• Geomagnetic Storms	G1	None	None
• Solar Radiation Storms	None	None	None
• Radio Blackouts	None	None	None



# National Fire Activity – October 2, 2015



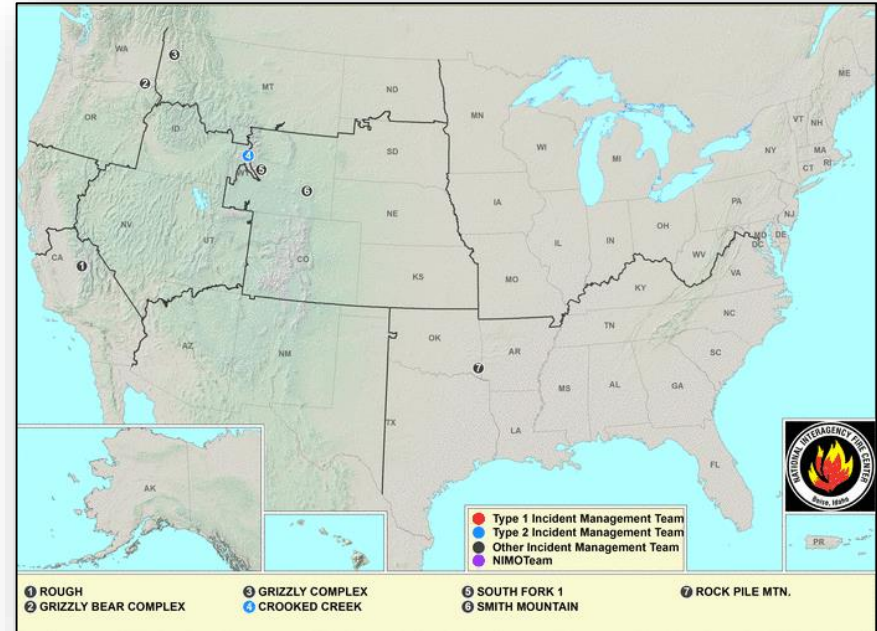
## National Preparedness Level: 1

- **Initial attack activity:** Light – 59 New Fires
- **New Large Fires:** 1
- **Large Fires Contained:** 0
- **Uncontained Large Fires:** 5
- **NIMOs committed:** 0
- **Type 1 IMTs committed:** 0
- **Type 2 IMTs committed:** 1

### Preparedness Level 1

Description: Geographic Areas accomplish incident management objectives utilizing local resources with little or no national support. Conditions are not favorable to support significant wildland fire activity in most geographic areas. Resource capability is adequate with little or no mobilization of resources occurring through the National Interagency Coordination Center. Potential for emerging significant wildland fires is expected to remain minimal.

## Large Fire Map





# Disaster Requests & Declarations



Declaration Requests in Process		Requests APPROVED (since last report)	Requests DENIED (since last report)
1	Date Requested	1	0
SC – DR Severe Storms and Flooding (Expedited)	October 5, 2015	October 5, 2015	
Navajo Nation – EM Toxic Chemical Spill	October 2, 2015		

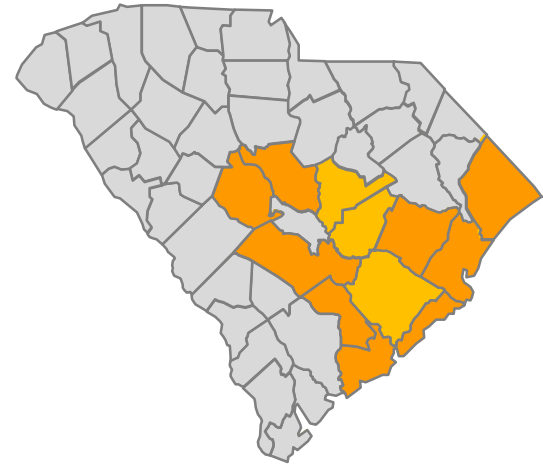
# Major Disaster Declaration - South Carolina



FEMA

## FEMA-4241-DR-South Carolina

- President approved Major Disaster Declaration for the State of South Carolina on October 5, 2015
- For Severe Storms and Flooding that occurred October 1, 2015 and continuing
- Provides:
  - Individual Assistance for 8 counties
  - Public Assistance for 11 counties (Categories A and B, including direct federal assistance)
  - All counties and Indian Tribes in the State eligible for Hazard Mitigation
- FCO: W. Michael Moore of the National FCO Program



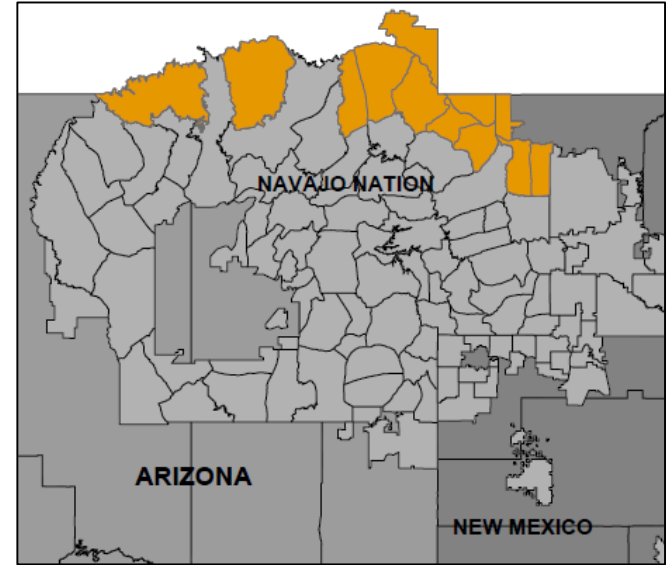
- Counties designated for Individual Assistance & Public Assistance
- Counties designated for Public Assistance only

# EM Request - Navajo Nation



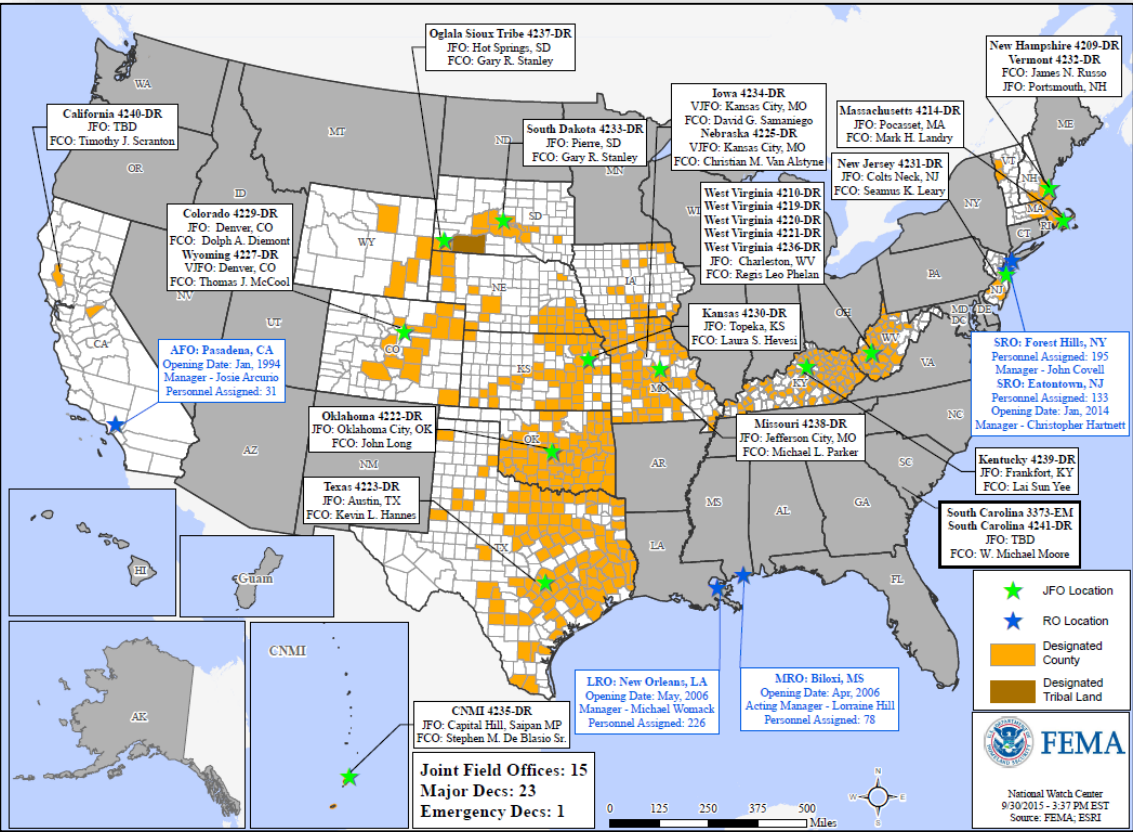
**October 2, 2015**

- President of Navajo Nation requested Emergency Declaration for Navajo Nation
- For toxic chemical spill (associated with Gold King Mine spill) beginning August 8, 2015 and continuing
- Requesting Public Assistance:
  - Debris removal and emergency protective measures (Categories A & B), including direct federal assistance



 Requested Chapters

# Open Field Offices as of October 6



# FEMA Readiness – Deployable Teams /Assets



Deployable Teams/Assets																									
Resource	Status	Total	FMC Available		Partially Available	Not Available	Detailed, Deployed, Activated	Comments	Rating Criterion																
FCO		35	12	34%	0	3	20		OFDC Readiness: <table border="1"> <tr> <td>FCO</td> <td>Green</td> <td>Yellow</td> <td>Red</td> </tr> <tr> <td>Type 1</td> <td>3+</td> <td>2</td> <td>1</td> </tr> <tr> <td>Type 2</td> <td>4+</td> <td>3</td> <td>2</td> </tr> <tr> <td>Type 3</td> <td>4</td> <td>3</td> <td>2</td> </tr> </table> FDRC    3       2       1	FCO	Green	Yellow	Red	Type 1	3+	2	1	Type 2	4+	3	2	Type 3	4	3	2
FCO	Green	Yellow	Red																						
Type 1	3+	2	1																						
Type 2	4+	3	2																						
Type 3	4	3	2																						
FDRC		9	3	33%	0	1	5																		
US&R		28	24	86%	1	1	2	IST Red, VA-TF1 & VA-TF2 (Blue) – Deployed as Type 1 Task Forces to SC NY TF-1 Available PA-TF1 (Yellow) - Sep 29-Oct 5 for Cache Reconstitution NM-TF1 (Red) – Personnel shortages	<ul style="list-style-type: none"> <li>Green = Available/FMC</li> <li>Yellow = Available/PMC</li> <li>Red = Out-of-Service</li> <li>Blue = Assigned/Deployed</li> </ul>																
National IMAT		3	2	67%	0	0	1	N IMAT East-1 deployed to SC	<ul style="list-style-type: none"> <li>Green: 3 avail</li> <li>Yellow: 1-2 avail</li> <li>Red: 0 avail (<i>Individual N-IMAT red if 50% of Section Chiefs and/or Team Leader is unavailable for deployment.</i>)</li> </ul>																
Regional IMAT		13	6	46%	1	0	6	<u>Deployed:</u> RIII Reconstituting (Available) RIV (Team 1) Deployed to SC RVI (Team 2) Deployed to TX RVII Deployed to MO RVIII (Team 1) Deployed to CO RIX (Team 1) Deployed to Guam/CNMI; (Team 2) Deployed to CA RX (Yellow) Partially Mission Capable	<ul style="list-style-type: none"> <li>Green: 7 or more avail</li> <li>Yellow: 4 - 6 teams available</li> <li>Red: &gt; 8 teams deployed/unavailable</li> </ul> R-IMAT also red if TL Ops/Log Chief is unavailable & has no qualified replacement																
MCOV		59	13	22%	0	10	36	10 MCOVs deployed to CA 10 en route (7 to Frederick, 3 to Fort Bragg) 16 unit prep (8 Frederick, 8 Thomasville)	<ul style="list-style-type: none"> <li>Green = 80 – 100% avail</li> <li>Yellow = 60 – 79% avail</li> <li>Red = 59% or below avail</li> <li>Readiness remains 95%</li> </ul>																

# FEMA Readiness – National/Regional Teams



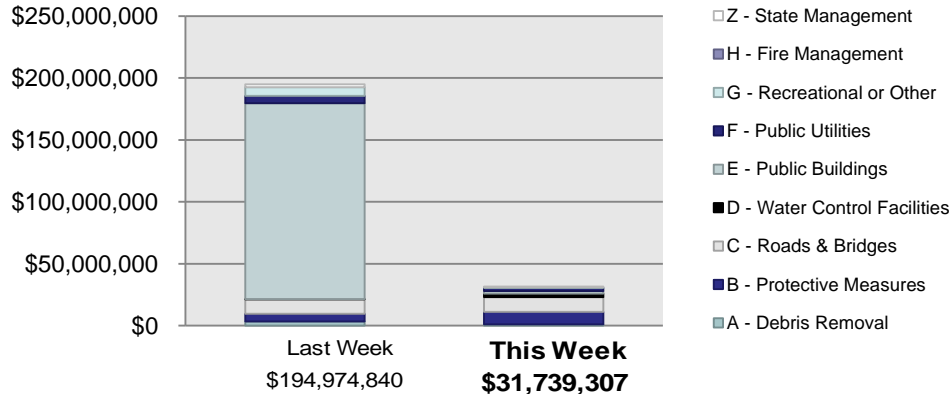
National/Regional Teams									
Resource	Status	Total	FMC Available		Partially Available	Not Available	Status	Comments	Rating Criterion
NWC		5	5	100%	0	0	Activated	Enhanced Watch (24/7)	<ul style="list-style-type: none"> <li>• Green = FMC</li> <li>• Yellow = PMC</li> <li>• Red = NMC</li> </ul>
NRCC		2	344	89%	0	44	Not Activated	NRCS on Advisory	
HLT		1	N/A	N/A	0	0	Activated		
DEST							Not Activated		
RRCCs		10	10	100%	0	0	Activated	Region IV – Level I (day shift) with all ESFs & DCE	
RWCs/MOCs		10	10	100%	0	0	Activated	Region IV – Enhanced Watch (night shift)	

# Public Assistance Grant Program



PA Project Worksheets Obligated in past week, as of 10/5/2015 at 1400 Eastern Time										
PA Category	Emergency Work		Permanent Work					H - Fire Management	Z - State Management	Total
	A - Debris Removal	B - Protective Measures	C - Roads & Bridges	D - Water Control Facilities	E - Public Buildings	F - Public Utilities	G - Recreational or Other			
Number Of PWs Obligated	22	62	95	4	36	22	10	0	3	254
Federal Share Obligated	\$1,164,265	\$9,945,460	\$12,049,334	\$2,863,103	\$1,939,628	\$2,748,084	\$506,382	\$0	\$523,051	\$31,739,307

## Public Assistance Obligated per Category In the Past 2 Weeks – 9/21/2015 through 10/5/2015



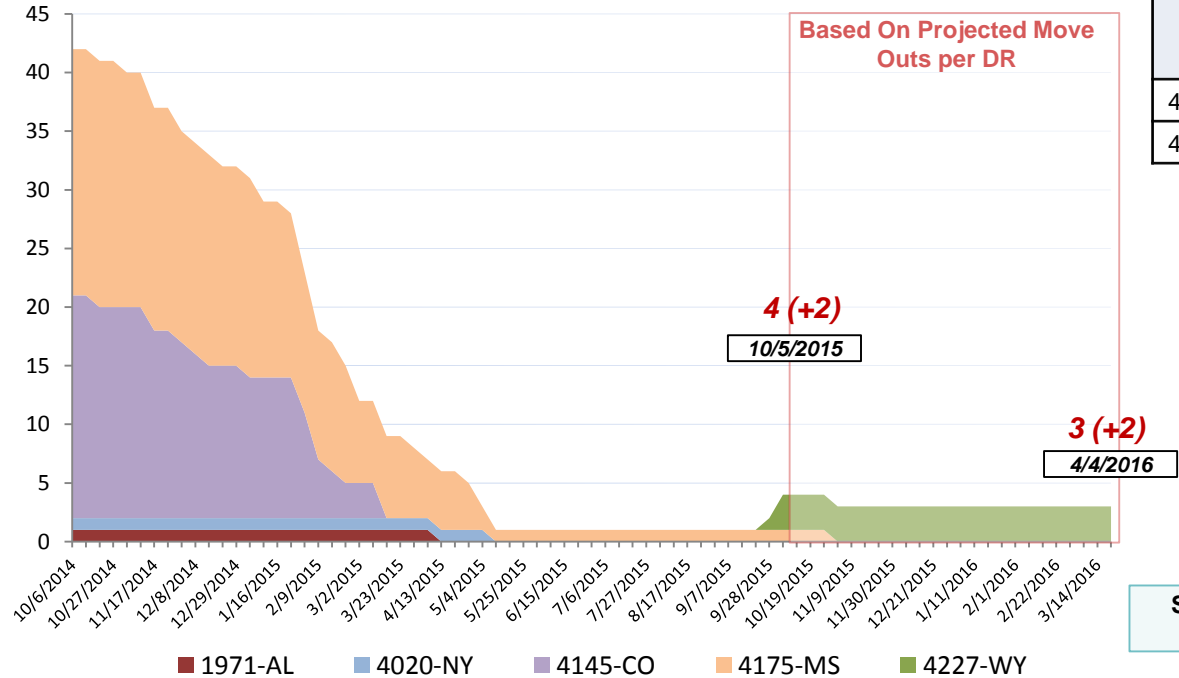
## PA Highlights

- On 9/30 a Category C grant for over \$4.4 million was obligated to the Schoharie County, NY for repairs to the Blenheim Bridge due to damages which resulted from DR-4020, Hurricane Irene.

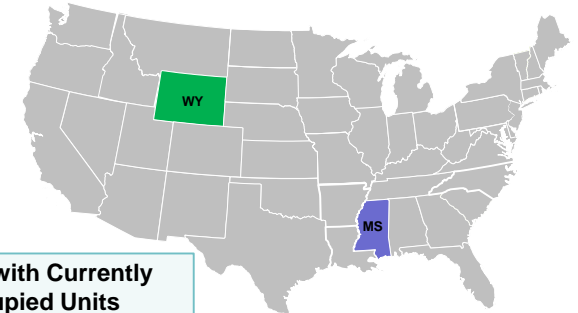
# Direct Housing



**Total Households in FEMA Direct Housing per State  
Past Year per Week, 10/6/2014 – 10/5/2015, Projected to 4/4/2016  
There are currently 4 Households Occupying 4 Temporary Units**



DR	IA Declaration Date	Program End Date	Current # of Households in Direct Housing (Weekly Change)
4175-MS	4/30/2014	<b>10/30/2015</b>	<b>1 (0)</b>
4227-WY	7/7/2015	<b>1/7/2017</b>	<b>3 (+2)</b>

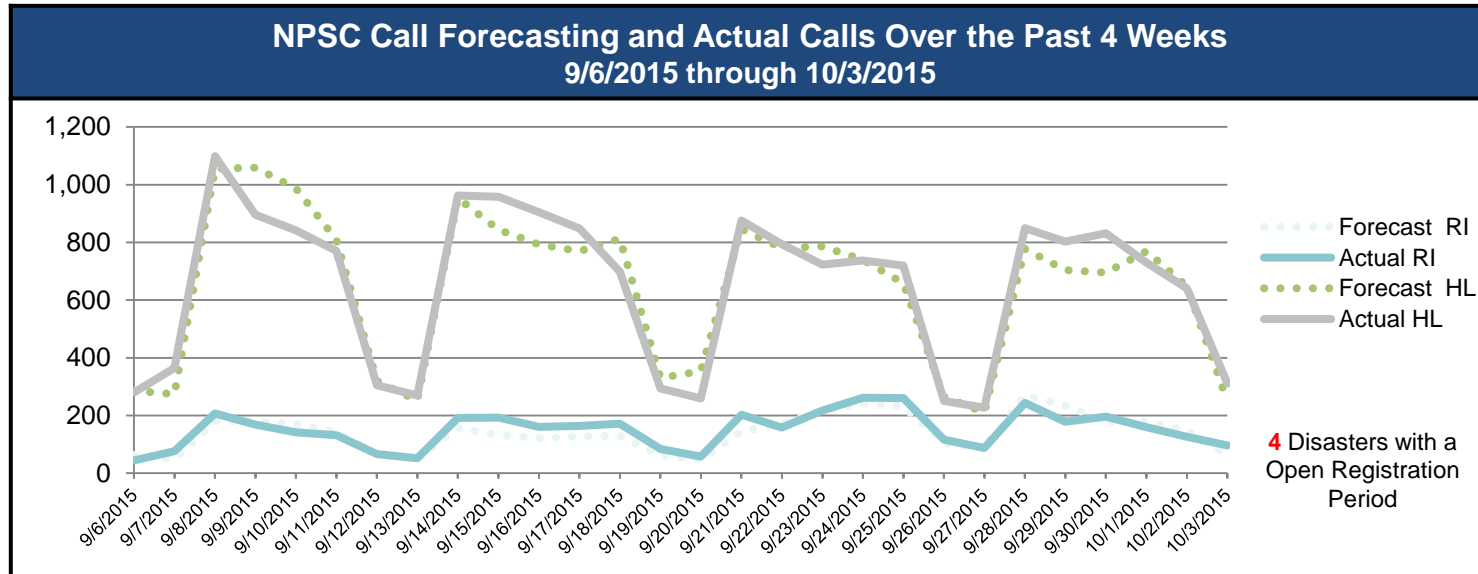




# NPSC Activity



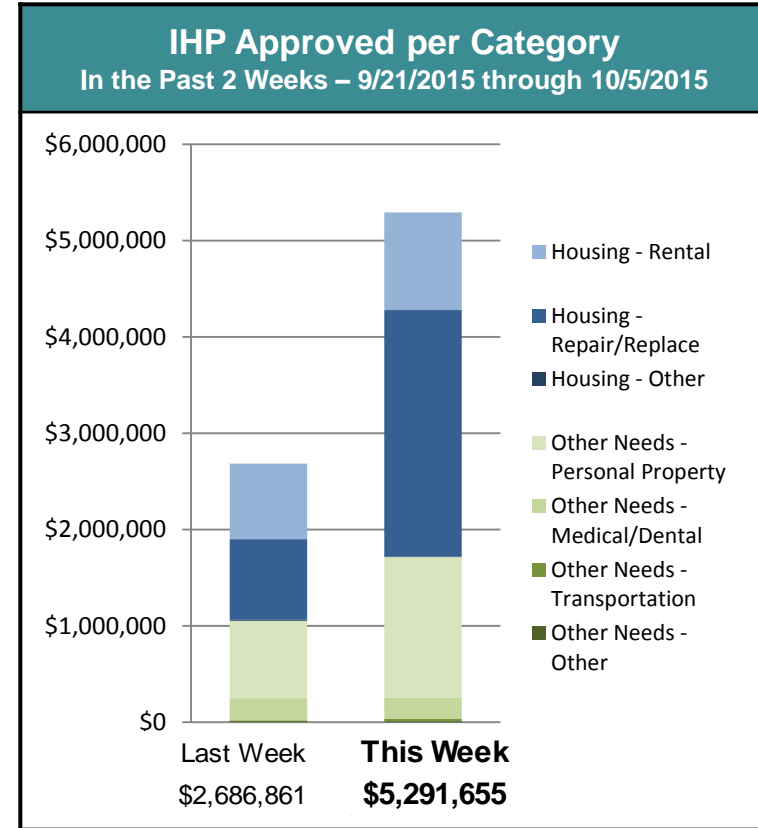
NPSC Call Activity in the Past Week				
9/27/2015 through 10/3/2015				
Call Type	Projected Calls	Actual Calls	Average Answer Time	Maximum Delay Time
Registration Intake	1,201	1,107	:12	2:54
Helpline	4,069	4,332	:12	4:55
All Calls	5,270	5,439	:12	4:55



# Individual Assistance Activity



Individuals and Households Program Activity as of October 5, 2015 at 0000 EST					
	In Past 7 Days		Cumulative		
	Applicants Approved	Amount Approved	Applicants Approved	Amount Approved	
Open Registration Period	4235-MP Declared 08-05-2015 End Of Reg Period 10-05-2015				
	Housing Assistance	172	\$566,967.94	3,329	\$15,687,864.59
	Other Needs Assistance	232	\$335,691.21	3,358	\$6,869,794.01
	<b>Total IHP</b>	<b>\$902,659.15</b>		<b>\$22,557,658.60</b>	
	4237-SD Declared 08-07-2015 End Of Reg Period 10-06-2015				
	Housing Assistance	31	\$38,658.31	33	\$39,738.31
	Other Needs Assistance	11	\$7,243.76	201	\$188,067.52
	<b>Total IHP</b>	<b>\$45,902.07</b>		<b>\$227,805.83</b>	
	4239-KY Declared 08-12-2015 End Of Reg Period 10-12-2015				
	Housing Assistance	61	\$204,987.39	806	\$4,443,270.87
	Other Needs Assistance	5	\$16,139.37	167	\$609,448.21
	<b>Total IHP</b>	<b>\$221,126.76</b>		<b>\$5,052,719.08</b>	
	4240-CA Declared 09-22-2015 End Of Reg Period 11-23-2015				
Housing Assistance	456	\$2,485,497.21	482	\$2,562,435.93	
Other Needs Assistance	181	\$1,113,136.56	190	\$1,212,712.94	
<b>Total IHP</b>	<b>\$3,598,633.77</b>		<b>\$3,775,148.87</b>		
Other IHP Active	6 Declarations IHP Programmatically Open - Closed Registration *				
	Housing Assistance	104	\$278,355.63		
	Other Needs Assistance	84	\$244,978.08		
	<b>Total IHP</b>	<b>\$523,333.71</b>			
<b>Total IHP Approved in Past Week</b>		<b>\$5,291,655.46</b>			





# FEMA

**FEMA's mission is to support our citizens and first responders to ensure that as a nation we work together to build, sustain, and improve our capability to prepare for, protect against, respond to, recover from, and mitigate all hazards.**