

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.

Please consider making a small donation to the Disaster Center



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



# FEMA

## Daily Operations Briefing

**Tuesday, September 11, 2018**

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

# Significant Activity –Sep 10-11



FEMA

**Significant Events:** Hurricane Florence; Hurricane Olivia; Super Typhoon Mangkhut

## **Tropical Activity:**

- Atlantic – Hurricane Florence (CAT 4); Tropical Storm Isaac; Hurricane Helene (CAT 2); Disturbance 1: Medium (60%); Disturbance 2: Medium (50%)
- Eastern Pacific – Tropical Depression Paul; Disturbance 1: Low (20%)
- Central Pacific – Tropical Storm Olivia
- Western Pacific – Super Typhoon Mangkhut

## **Significant Weather:**

- Heavy rain with flash flooding possible – Southern Plains to Lower Mississippi Valley
- Critical/elevated fire weather – Central Great Basin to Central/Northern Rockies
- Red Flag Warnings – CA, NV, UT, CO, WY & NE

## **Declaration Activity:**

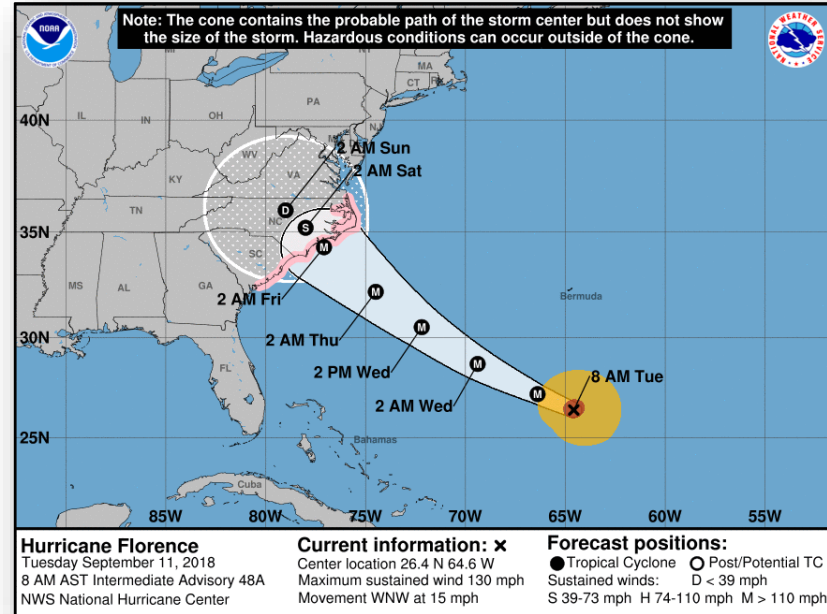
- Emergency Declaration approved - South Carolina
- Emergency Declaration approved - North Carolina
- Emergency Declaration approved - Commonwealth of Northern Mariana Islands
- Emergency Declaration request - Virginia

# Tropical Outlook – Atlantic



## Hurricane Florence (CAT 4) (Advisory #48A as of 8:00 a.m. EDT)

- 405 miles SSE of Bermuda; 950 miles ESE of Cape Fear, NC
- Moving WNW at 15 mph
- Some strengthening is expected during the next 36 hours
- Maximum sustained winds 130 mph
- Hurricane-force winds extend outward up to 40 miles
- Tropical-storm-force winds extend 150 miles
- Hurricane and storm surge watches is in effect for:
  - Edisto Beach – SC to NC, Virginia border
  - Abbeville and Pamlico sounds

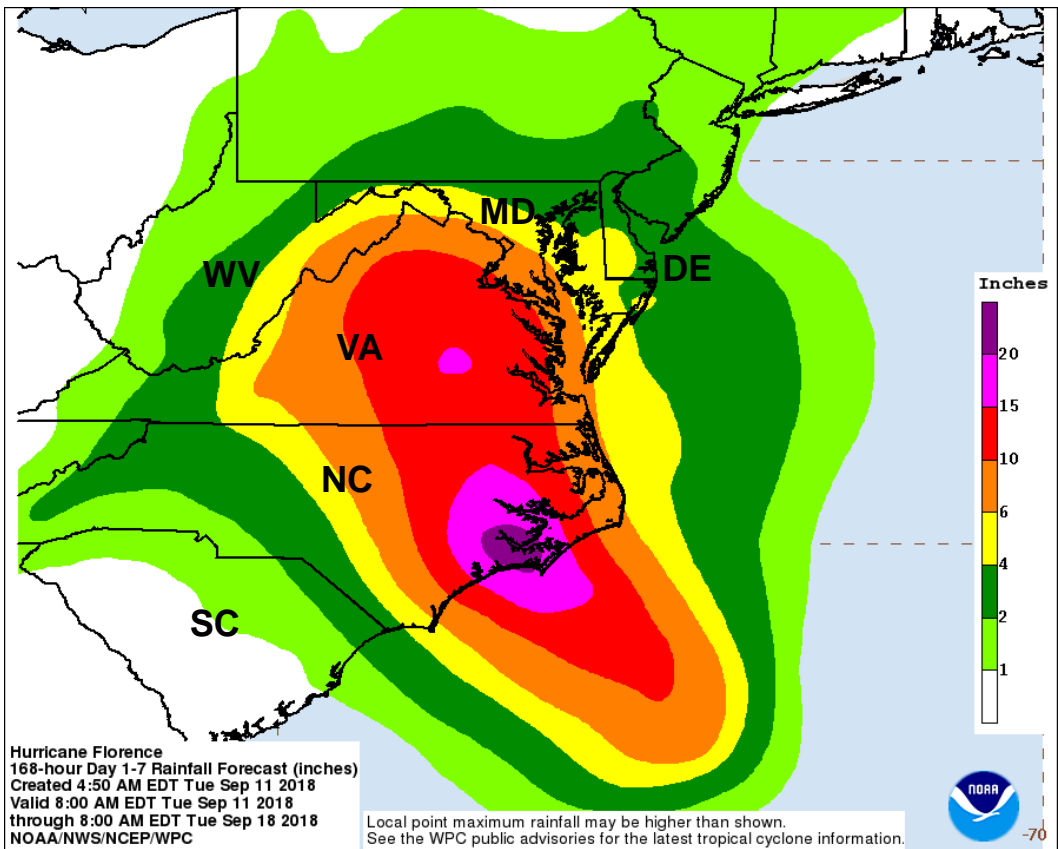


# NWS Weather Prediction Center

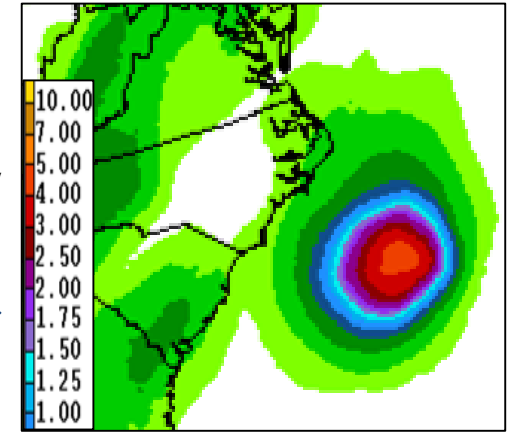


FEMA

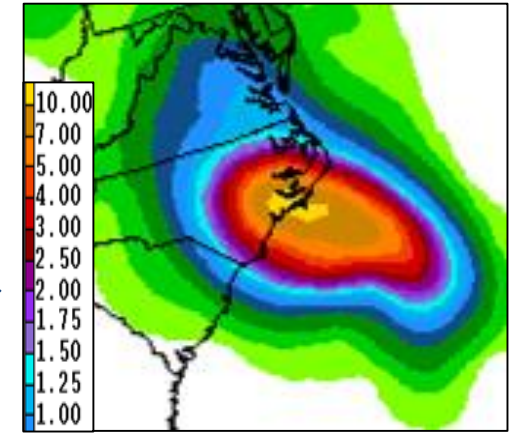
## Total Rainfall Forecast Through Tuesday, Sep. 18, 2018



Through Thursday Morning



Through Friday Morning

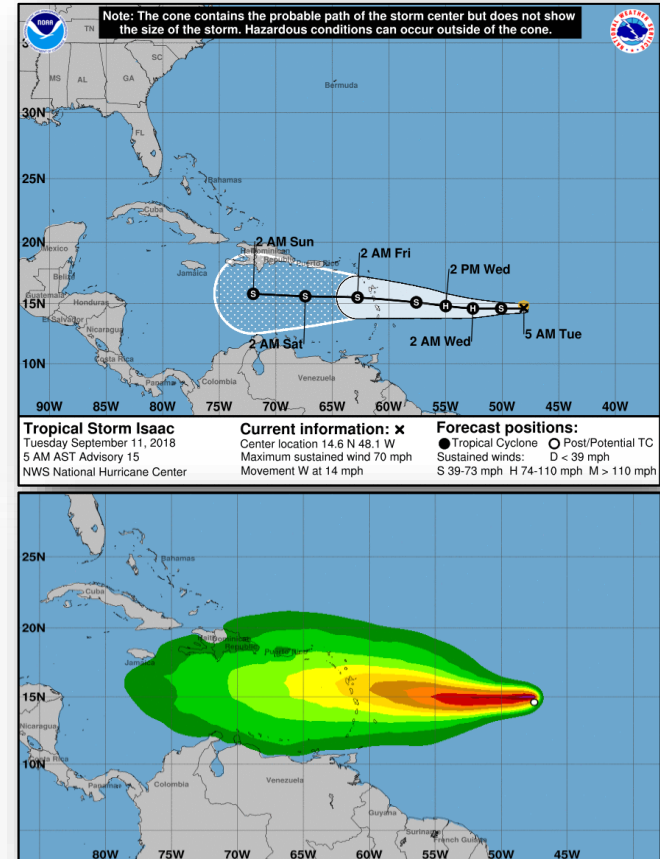


# Tropical Outlook – Atlantic



## Tropical Storm Isaac (Advisory #15, as of 5:00 a.m. EDT)

- 880 miles E of the Lesser Antilles
- Moving W at 14 mph
- Maximum sustained winds are 70 mph
- Tropical-storm-force winds extend 45 miles
- Little change in strength during next few days



# Tropical Outlook – Atlantic

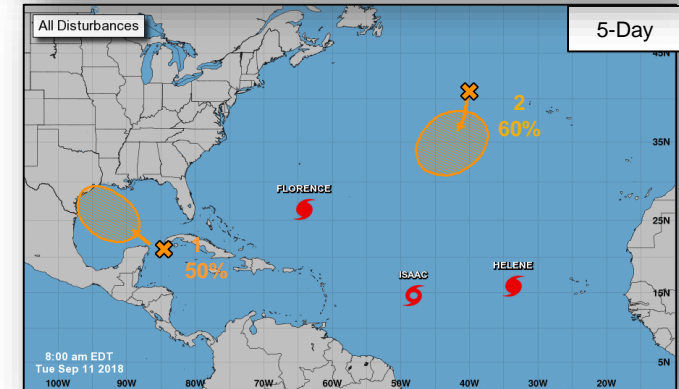
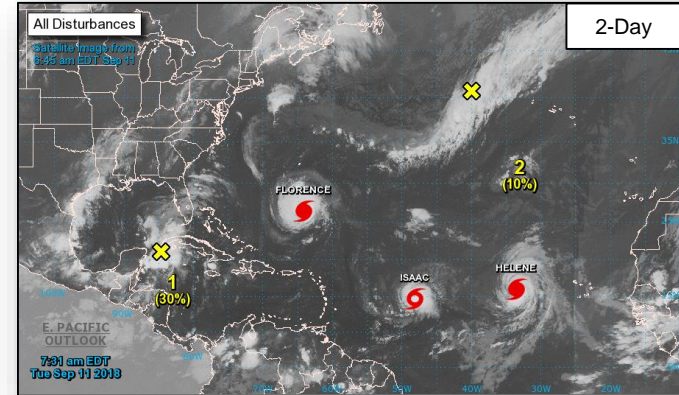


## Disturbance 1 (as of 8:00 a.m. EDT)

- Located over the extreme northwestern Caribbean Sea
- Forecast to become a little more conducive for development; tropical depression could form by Thursday or Friday
- Formation chance through 48 hours: Low (30%)
- Formation chance through 5 days: Medium (60%)

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

- Located over the northeastern Atlantic Ocean
- Some slow tropical or subtropical development; tropical or subtropical depression could form by end of week
- Moving SW
- Formation chance through 48 hours: Low (10%)
- Formation chance through 5 days: Medium (50%)

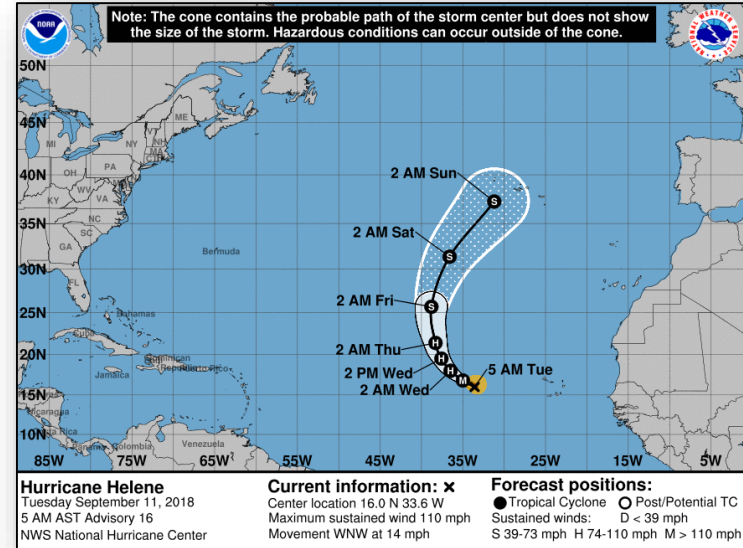


# Tropical Outlook – Atlantic



## Hurricane Helene (CAT 2) (Advisory #16 as of 5:00 a.m. EDT)

- 620 miles W of the southernmost Cabo Verde Islands
- Moving WNW at 14 mph
- Maximum sustained winds 110 mph
- Some additional strengthening is expected during the next 12 hours; gradual weakening trend is expected after that time
- Hurricane force winds extend 35 miles
- Tropical-storm-force winds extend 115 miles
- No coastal watches or warnings in effect





# Tropical Outlook – Eastern Pacific

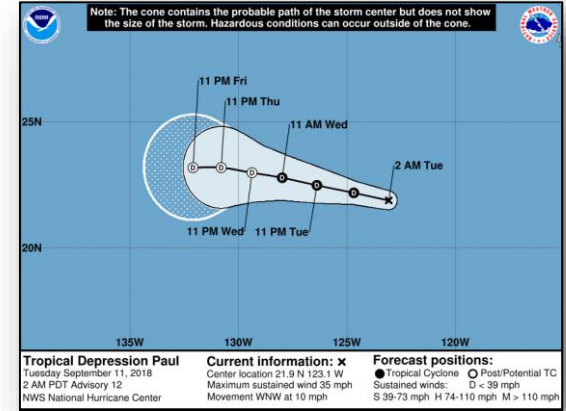


## Tropical Depression Paul (Advisory #12 as of 2:00 a.m. EDT)

- 845 miles W of Baja California Peninsula
- Moving NW at 10 mph
- Maximum sustained winds 35 mph
- Further weakening is forecast during the next few days
- Expected to become a remnant low in a couple of days

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

- South of the southwestern coast of Mexico
- Some gradual development possible
- Formation chance through 48 hours: Low (Near 0%)
- Formation chance through 5 days: Low (20%)

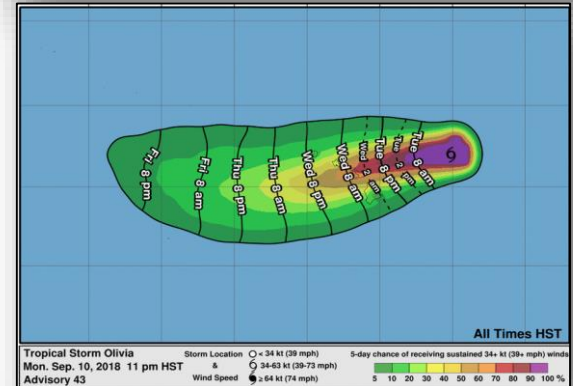
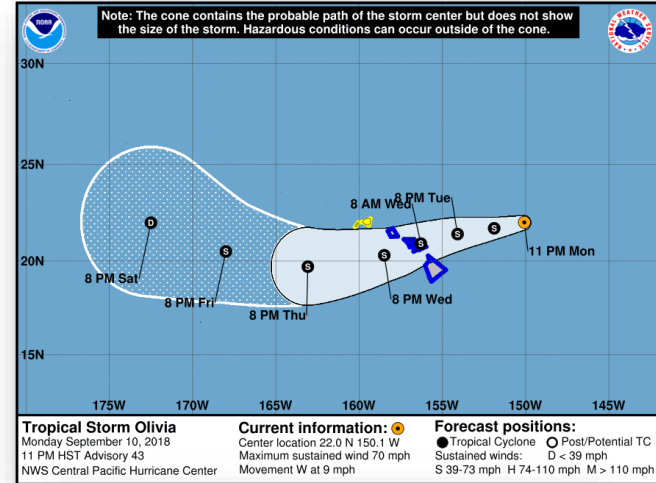


# Tropical Outlook – Central Pacific



## Tropical Storm Olivia (Advisory #43A as of 8:00 a.m. EDT)

- 320 miles ENE of Hilo, HI
- Moving W at 10 mph
- Maximum sustained winds 65 mph
- Tropical storm force winds extend 105 miles
- Gradual weakening over next 2 days; forecast to be tropical storm upon reaching HI
- Tropical Storm Warnings in effect for Maui, Hawaii, and Oahu counties
- Tropical Storm Watch in effect for Kauai County



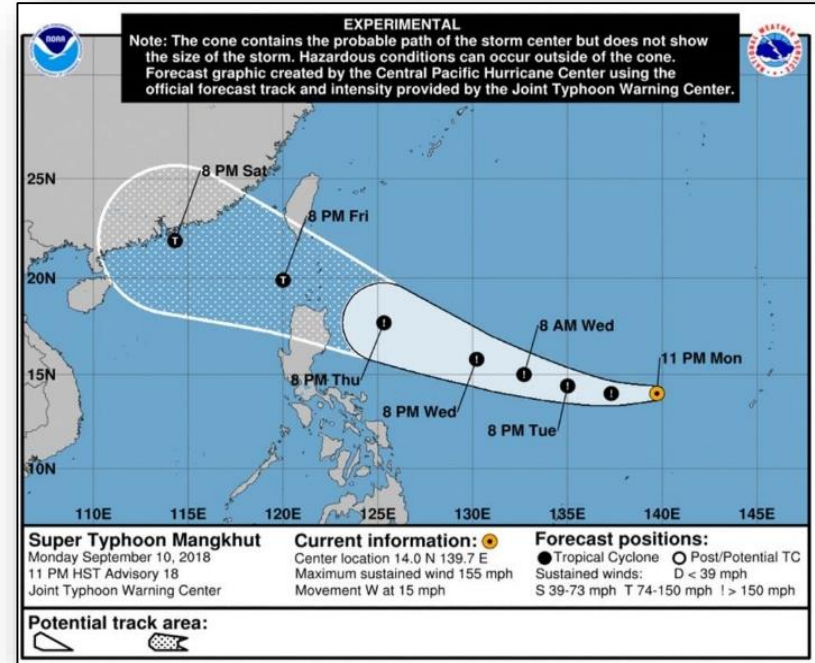
# Typhoon Mangkhut



FEMA

## Super Typhoon Mangkhut (26W) (Advisory #18 as of 5:00 a.m. EDT)

- Located 380 miles W of Guam
- Moving W at 17 mph
- Maximum sustained winds 155 mph
- Typhoon force winds extend 65 miles; Tropical storm force winds extend 205 miles
- Forecast to intensify over the next few days
- No coastal watches or warnings in effect



# Impacts – Pacific



## Situation

- Tropical Storm Olivia forecast to impact the Hawaiian Islands over the next 24-48 hours
- Typhoon Mangkhut (26W) has passed Guam and CNMI

## Safety & Security:

- School and Government Offices closed
- Governor Declared ALL CLEAR (typhoon conditions) for the islands of Saipan, Tinian and Rota

## Food Water and Shelter:

- Shelters / Occupants (*FEMA Region IX*)
  - Hawaii: 1 (-1) / 25 (-1)
  - Saipan: 1 (-7) / 14 (- 450)
  - Guam & Tinian: all shelters are closed
  - Rota: 1 (-1) / 35 (+8)
- Tinian & Rota water service is 100 % online; Saipan water system is offline pending assessments and electrical corrections

## Health and Medical:

- Rota Health Center is currently operating on a loaned generator

## Transportation:

- All airports open and at normal operations with exception of Rota airport which will conduct day operations only

## Hazardous Waste:

- No impacts reported

## Energy:

- Rota has island-wide power outage (intentional shutdown), Tinian has 80% power, Saipan 80%, Guam 70%

## Communications:

- No shortfalls identified

# Response



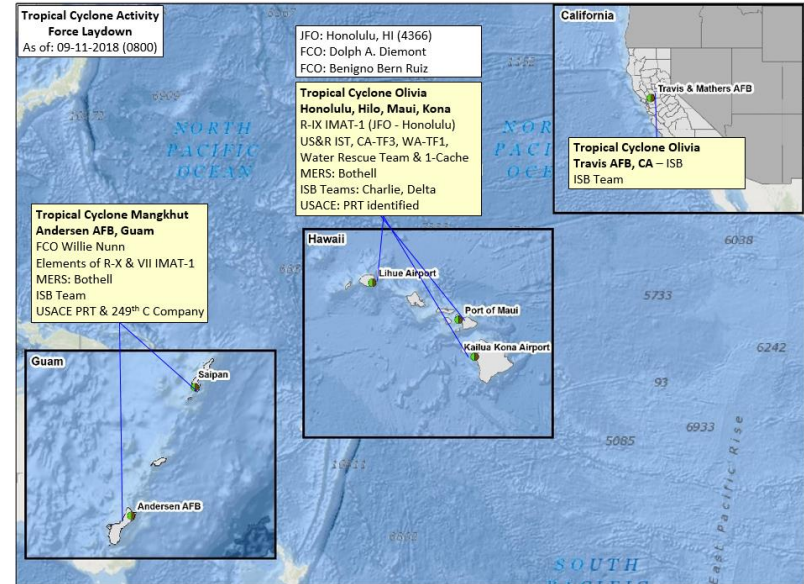
## Preparations / Response

### State/Local/Territorial:

- Guam & CNMI
  - Guam EOC at Full Activation
  - CNMI EOC remains at Full Activation; Governor [requested an Emergency Declaration](#)
- Hawaii:
  - HI EOC at Partial Activation; [Maui County EOC at Full Activation](#)
  - State of Emergency declared
  - [Governor signed a pre-landfall emergency proclamation](#)

### Federal

- Region IX IMAT 1 deployed to HI
- Region VII and X IMATs deployed to Guam
- LNOS deployed to Guam and CNMI
- US&R teams deployed to Honolulu, HI (IST Blue, WA-TF1, personnel from CA-TF6 & CA-TF8); Kona, HI (CA-TF3)
- ISB teams deployed to HI & Guam
- MERS teams deployed to FEMA HQ, HI, & Guam
- [Emergency Declaration 3402-EM-CNMI approved on September 10](#)



# Preparations – Atlantic



## Potential Impacts

### East Coast:

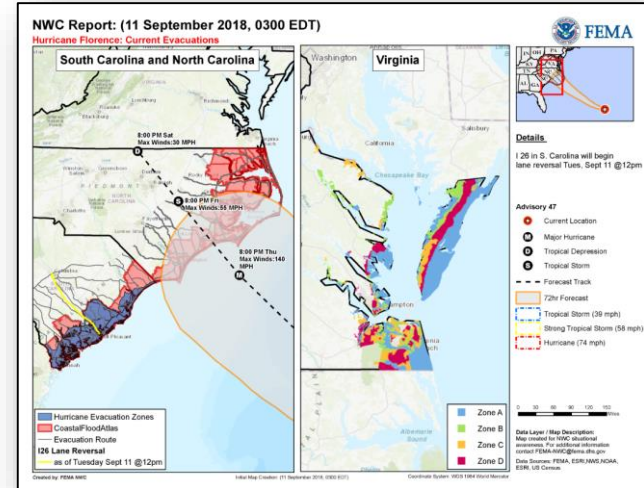
- Heavy congestion is expected along evacuation corridors and road construction may extend evacuation timeline
- Evacuees moving from one potentially impacted state to another can further increase congestion and slow evacuation times
- I-26 (running inland from Charleston, SC) will set-up contraflow direction starting today at 12 noon EDT

### Puerto Rico:

- Progress on a large number of recovery projects from 2017 could be slowed or halted and those projects damaged by Hurricane Isaac
- Developing plans if Atlantic ports need to close

### State/Local Preparations:

- North Carolina:
  - EOC at Full Activation
  - Statewide State of Emergency declared; Emergency Declaration approved on September 10
  - Mandatory evacuations in effect for the Outer Banks; however, evacuations are expanding
- South Carolina:
  - EOC at Full Activation
  - Statewide State of Emergency declared; Emergency Declaration approved on September 10
  - Several public schools and government offices will be closed today
  - Mandatory evacuations in effect for all zones in all coastal counties
  - 44 shelters opening today
- Virginia:
  - EOC at Partial Activation; State of Emergency declared; National Guard activated
  - Emergency Declaration requested September 10
  - Mandatory evacuation in effect for Zone A in the Hampton Roads area
- MD EOC at Partial activation; Governor declared a state of emergency
- PA EOC at Partial Activation
- WV EOC at Monitoring
- DE EOC at Monitoring





# Response – Atlantic



## Federal

### FEMA HQ

- NRCC at Level II, 24/7 with all LNOs and ESFs 1, 2, 3, 6, 7, 8, 9, 12, 13 and 15
- National IMAT East-1 deployed to NC
- Region VIII IMAT deployed to DC to pre-stage
- ISB teams deployed to various locations in East Coast, West Coast, Hawaii, Guam, Caribbean and LMD Distribution Centers (Andersen AFB Guam, Fort A.P. Hill VA)

### Region II

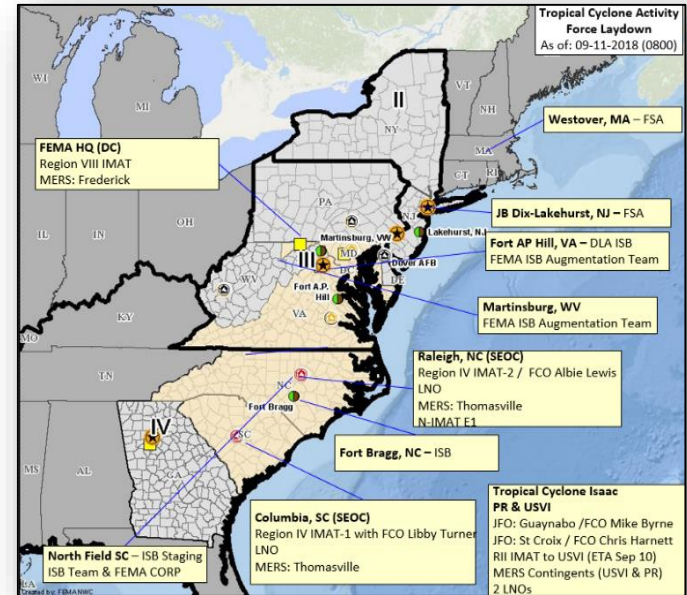
- RWC returned to Steady State
- RRCC at Level II (day shift only) with all ESFs
- 2 LNOs deployed to PREMA EOC; 1 LNO deploying to USVI today
- IMAT Team A deployed to USVI

### Region III

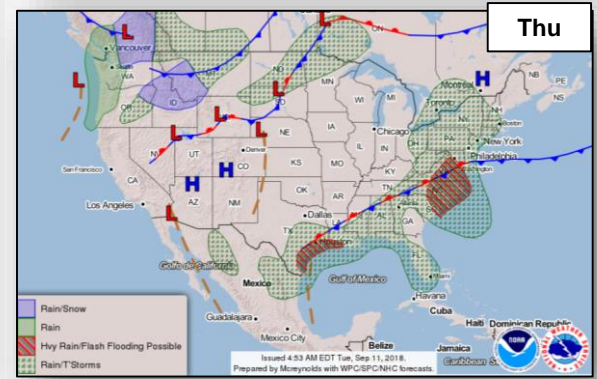
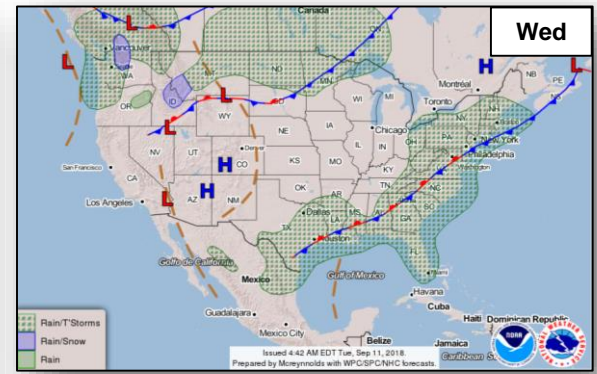
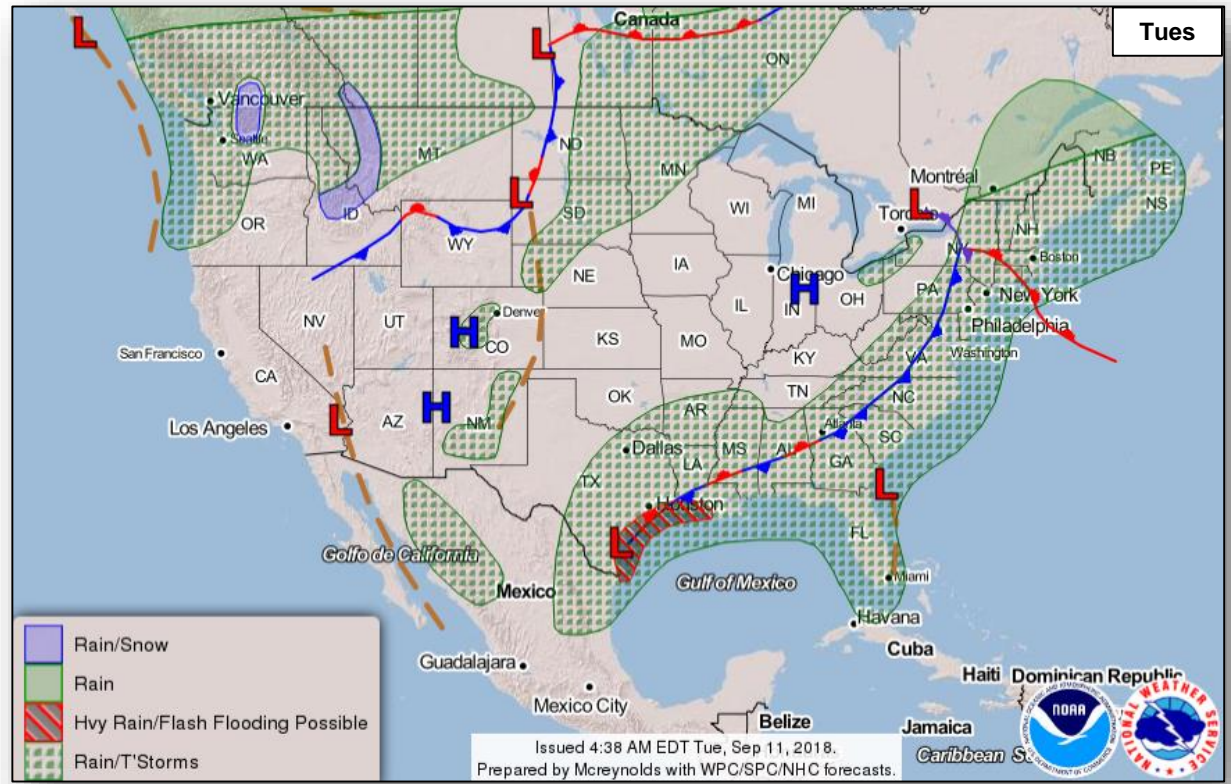
- RRCC at Level II with all ESFs (Except 4 & 11 which will arrive on September 12), DOD USCG, DHS IP, ARC
- LNO deployed to NRCC
- IMAT (Type III) deployed to VA

### Region IV

- RRCC at Level II, 24/7
- LNOs deployed to NC and SC EOCs
- DCO/DCE teams in NC and SC
- IMAT 1 deployed to NC EOC
- IMAT 2 deployed to SC EOC Regional HLT deployed to NHC



# National Weather Forecast

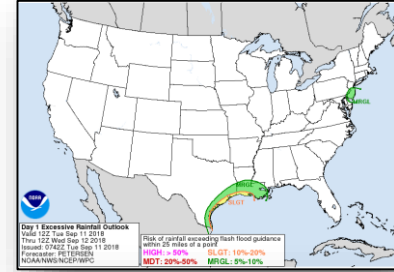
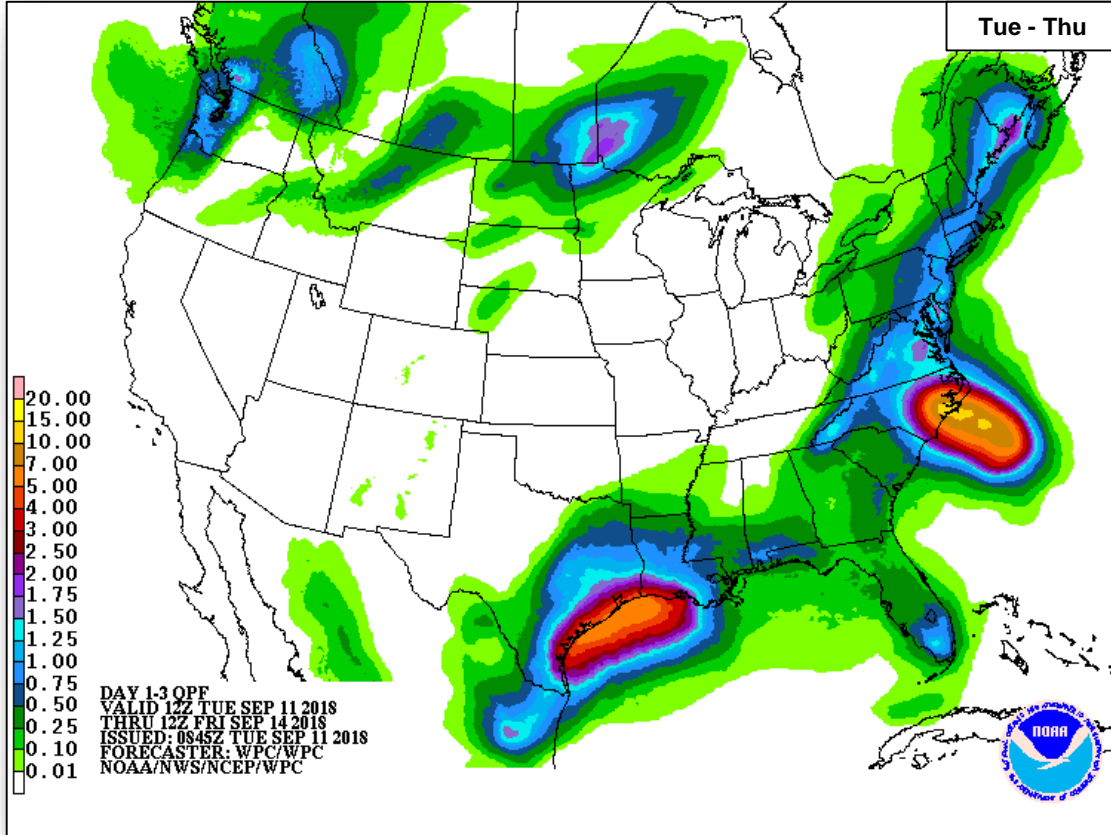




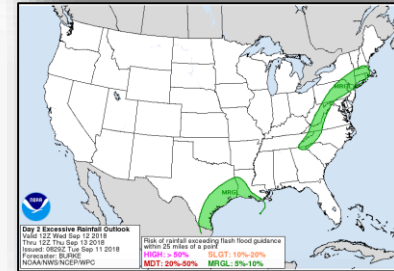
# Precipitation / Excessive Rainfall Forecast



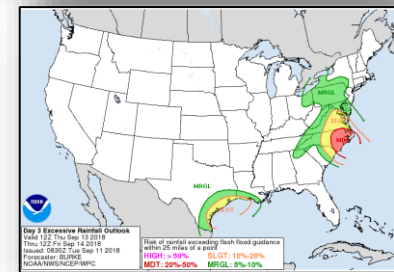
FEMA



Tue



Wed

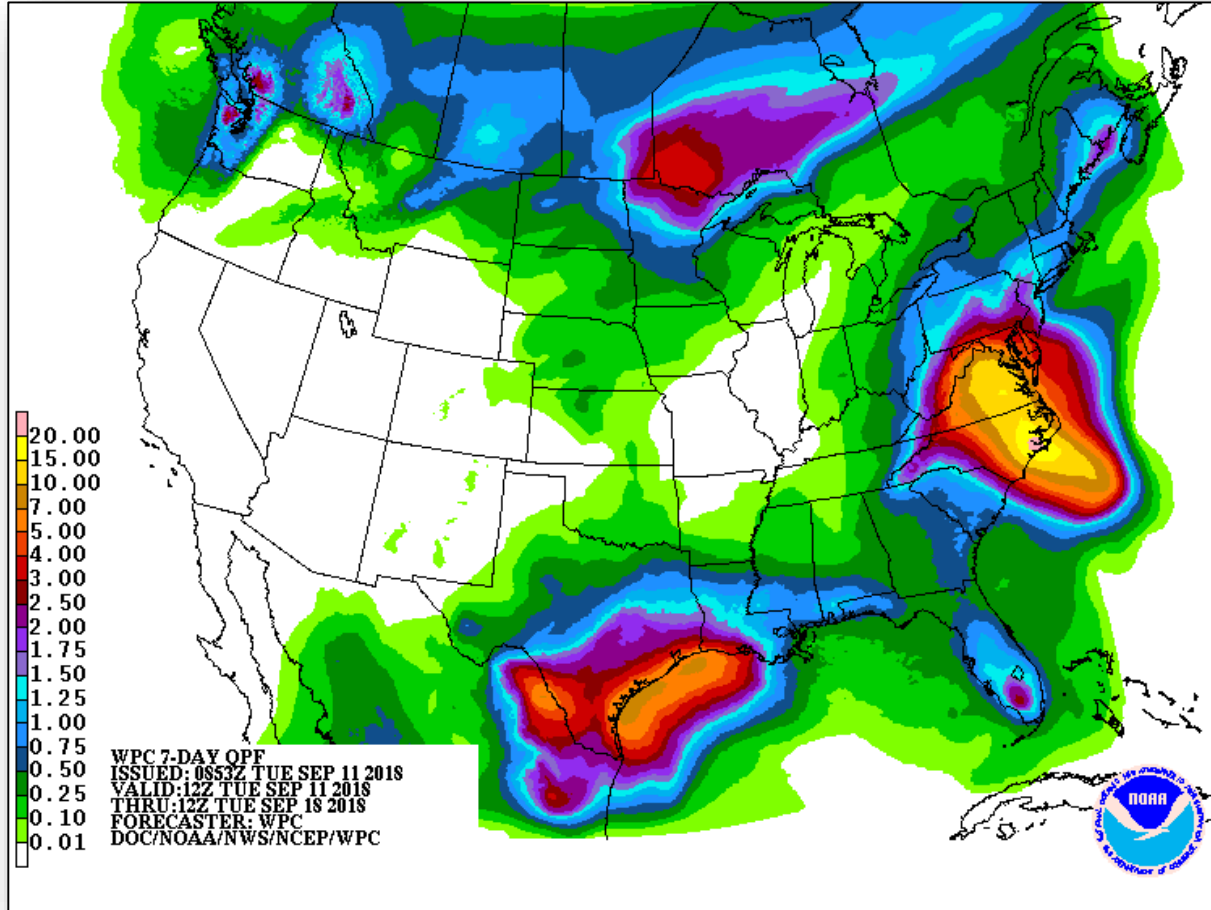


Thu

# 7-day Forecast Precipitation



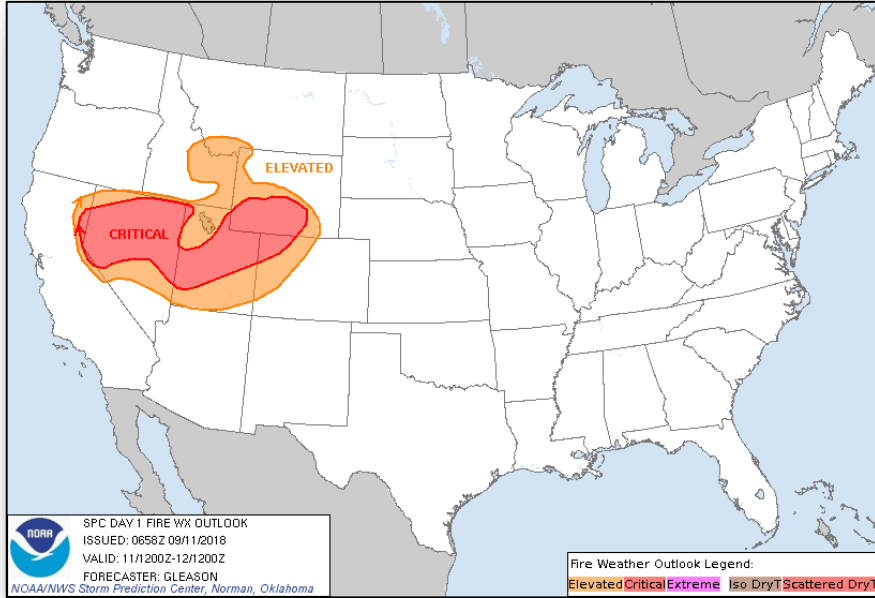
FEMA



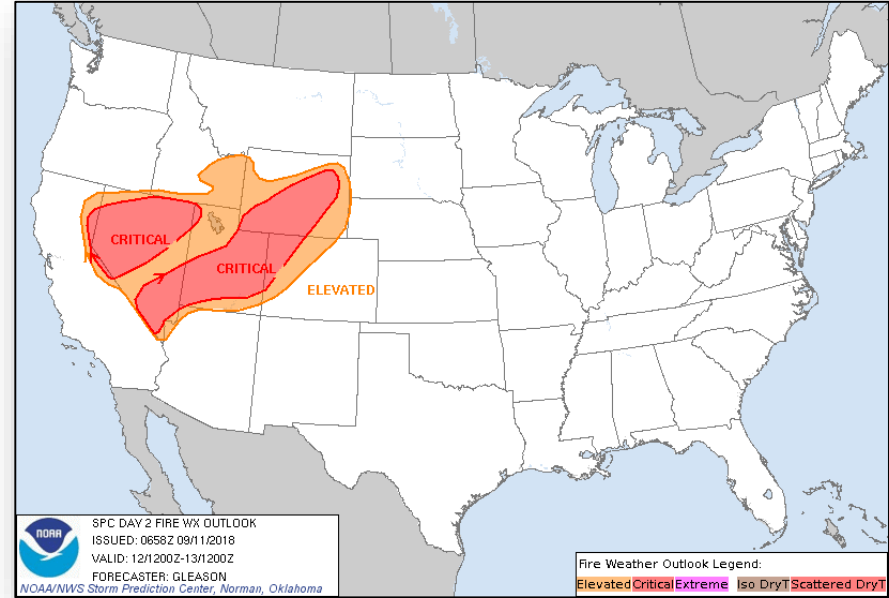
# Fire Weather Outlook



FEMA



**Monday**

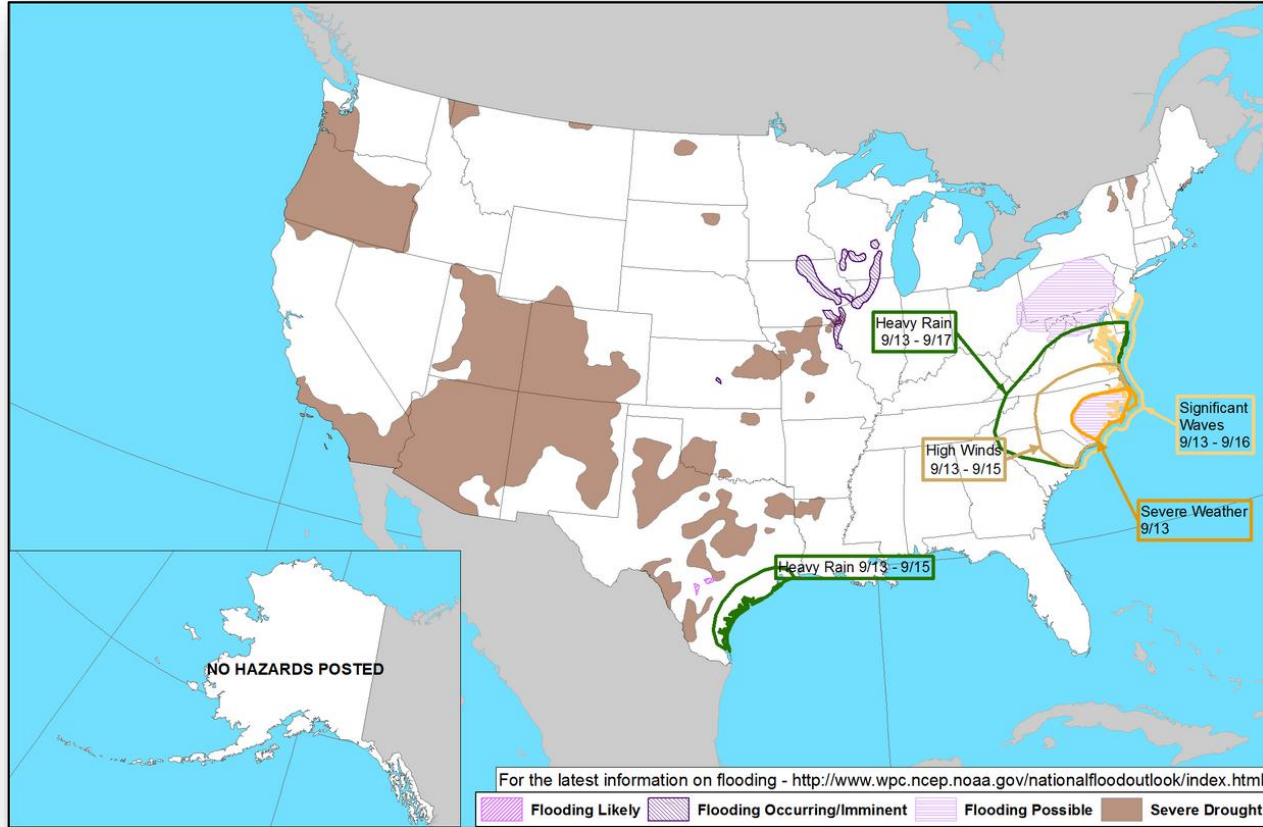


**Tuesday**

# Hazards Outlook – Sep 13-17



FEMA



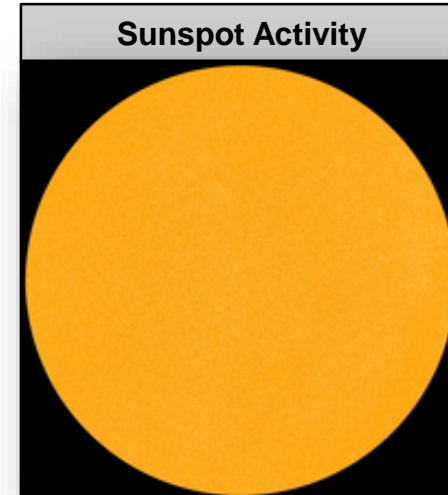
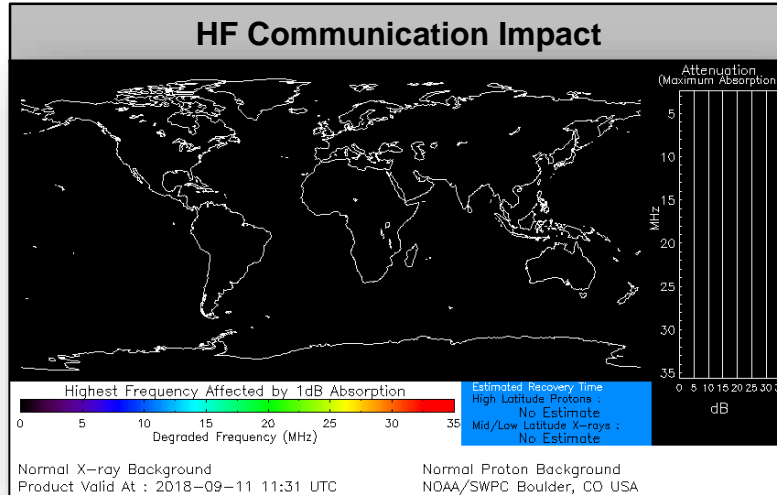
# Space Weather



FEMA

	Space Weather Activity	Geomagnetic Storms	Solar Radiation	Radio Blackouts
Past 24 Hours	Moderate	G2	None	None
Next 24 Hours	Moderate	G2	None	None

For further information on NOAA Space Weather Scales refer to: <http://www.swpc.noaa.gov/noaa-scales-explanation>



# Joint Preliminary Damage Assessments



FEMA

Region	State / Location	Event	IA / PA	Number of Counties		Start – End
				Requested	Completed	
III*	PA	Severe Weather July 21-27, 2018	IA	12	5	9/5 – TBD
			PA	13	6	9/5 – TBD
	PA	Severe Weather August 10-15, 2018	IA	14	4	9/5 – TBD
			PA	15	2	9/5 – TBD

*\* Region III PDAs are paused to support R-III operations for Hurricane Florence. The remaining counties will be rescheduled in the future once staffing is available.*

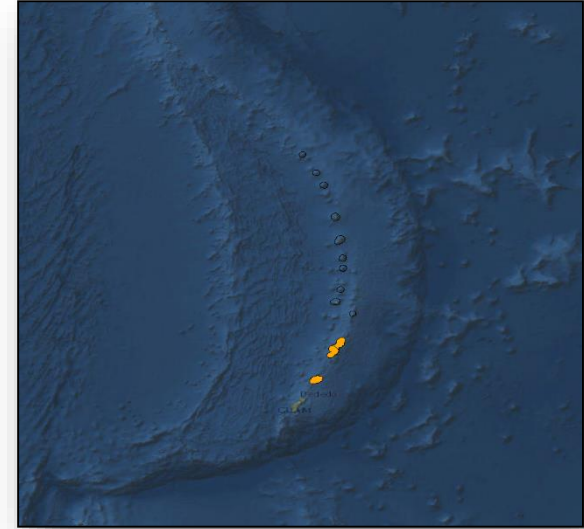
# Declaration Approved



FEMA

## FEMA-3402-EM-Northern Mariana Islands

- Emergency Declaration was approved for the Northern Mariana Islands on September 10, 2018 for Typhoon Mangkhut beginning September 10, 2018 and continuing
- Provides emergency protective measures (Category B), limited to direct federal assistance, under Public Assistance program at 75% federal funding for the islands of Rota, Saipan, and Tinian
- FCO is Willie G. Nunn



■ PA

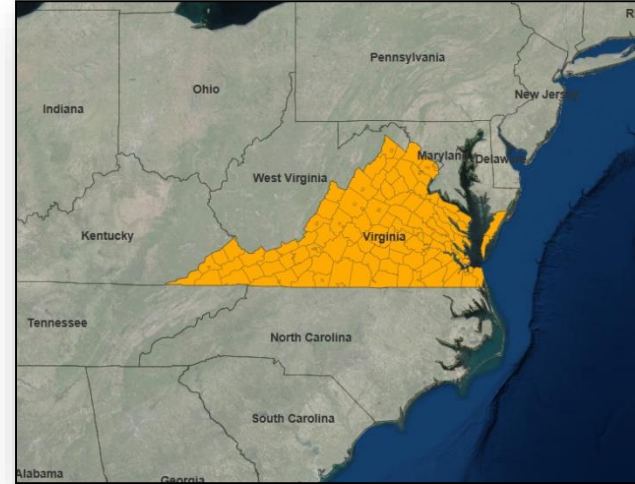
# Declaration Request



FEMA

## Virginia

- The Governor requested an Emergency Declaration on September 10, 2018
- For Hurricane Florence beginning September 8, 2018 and continuing
- Requesting:
  - Individual Assistance
  - Emergency protective measures (Category B), limited to direct federal assistance
  - Hazard Mitigation for the entire commonwealth



■ IA



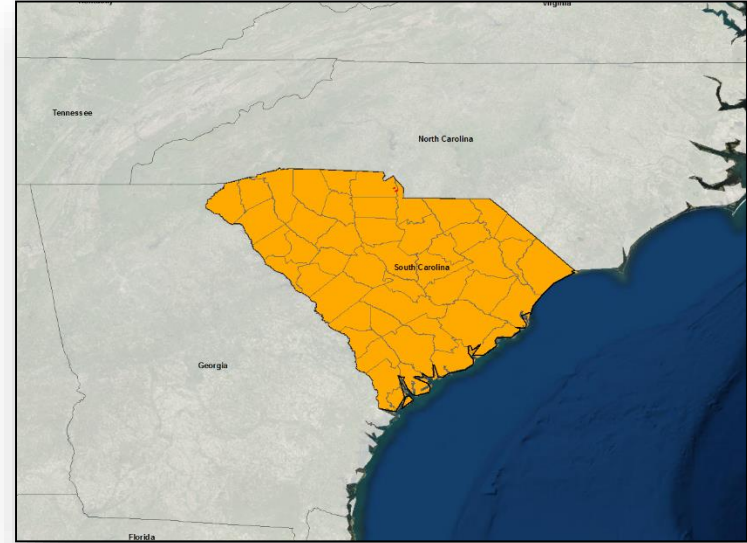
# Declaration Approved



FEMA

## FEMA-3400-EM-SC

- Emergency Declaration was approved for the State of South Carolina on September 10, 2018 for Hurricane Florence beginning September 8, 2018 and continuing
- Provides emergency protective measures (Category B), limited to direct federal assistance, under Public Assistance program at 75% federal funding for all 46 South Carolina counties and the Catawba Indian Nation
- FCO is Elizabeth Turner



PA

Catawba Indian Nation

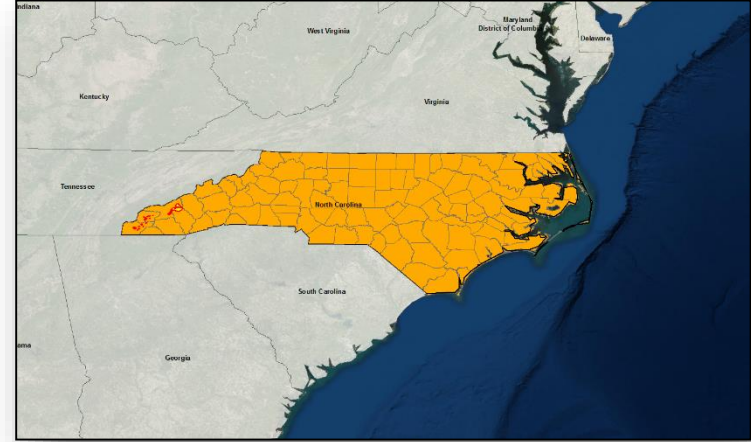
# Declaration Approved



FEMA

## FEMA-3401-EM-NC

- Emergency Declaration was approved for the State of North Carolina on September 10, 2018 for Hurricane Florence beginning September 7, 2018 and continuing
- Provides emergency protective measures (Category B), limited to direct federal assistance, under Public Assistance program at 75% federal funding for all 100 North Carolina counties and the Eastern Band of Cherokee Indians
- FCO is Albert Lewis



PA



Eastern Band of Cherokee Indian

# Disaster Requests & Declarations



FEMA

Declaration Requests in Process					Requests APPROVED (since last report)	Requests DENIED (since last report)
8	IA	PA	H M	Date Requested	3	0
LA – DR Flooding		X	X	June 29, 2018		
IA – DR Severe Storms and Tornadoes	X	X	X	August 17, 2018		
Cheyenne River Sioux Tribe- DR Severe Storm and Straight-line Winds	X	X	X	August 17, 2018		
Oglala Sioux Tribe – DR Severe Storms, Tornadoes, and Straight-line Winds	X		X	August 27, 2018		
NJ – DR Severe Storms and Flooding	X		X	August 30, 2018		
HI – DR Hurricane Lane and Wildfires	X	X	X	September 5, 2018		
PA – (Appeal) DR Severe Storms, Flooding, and Landslides		X	X	September 7, 2018		
SC – EM Hurricane Florence		X		September 9, 2018	Declared September 10, 2018	
CNMI – EM Typhoon Mangkhut		X		September 10, 2018	Declared September 10, 2018	
NC – EM Hurricane Florence		X		September 10, 2018	Declared September 10, 2018	

# Disaster Requests & Declarations (cont)



**FEMA**

Declaration Requests in Process					Requests APPROVED (since last report)	Requests DENIED (since last report)
<b>8</b>	IA	PA	HM	Date Requested	<b>3</b>	<b>0</b>
VA – EM Hurricane Florence	X		X	September 10, 2018		

# Readiness – Deployable Teams and Assets



FEMA

Resource	Force Strength	Available	Deployed	Other	Cadres with 25% or Less Availability
<b>IM Workforce</b>	11,861 ▼	3,792 ▼ 32%	4,559 ▲	3,510	EHP 14% (56/389); ER 16% (7/43); FL 23% (36/157); HR 17% (39/235); IT 21% (129/629); LOG 15% (179/1,168); OPS 14% (37/262); PA 11% (195/1,831); SAF 4% (2/53); SEC 12% (13/107); PLAN 19%(66/341); FM 25% (36/157)
<b>National IMATs*</b> (1-2 Teams)	East 1: East 2: West:	Deployed Charlie B-48			<div data-bbox="608 259 879 376"> <p>4351-DR-AK 4369-DR-AK 4391-DR-AK FCO: Thomas J. Dargan JFO: Anchorage, AK</p> </div> <div data-bbox="884 259 1033 338"> <p>4384-DR Confederated Tribes of the Colville Reservation FCO: Timothy B. Manner JFO: Nespelem, WA</p> </div> <div data-bbox="1039 259 1168 338"> <p>4388-DR-MT FCO: James Stephenson JFO: Denver, CO</p> </div> <div data-bbox="1174 259 1304 338"> <p>4347-DR-KS 4375-DR-NE 4387-DR-NE FCO: C. Johnson-Cage JFO: Kansas City, MO</p> </div> <div data-bbox="1309 259 1420 338"> <p>4390-DR-MN FCO: Steven Johnson JFO: TBD R-V IMAT</p> </div> <div data-bbox="1425 259 1574 338"> <p>4386-DR-IA FCO: Timothy J. Scranton JFO: Windsor Heights, IA</p> </div> <div data-bbox="1580 259 1729 376"> <p>4360-DR-OH FCO: Steven W. Johnson 4363-DR-IN Closing September 17 4381-DR-MI 4383-DR-WI FCO: David G. Samaniego JFO: Chicago, IL</p> </div> <div data-bbox="1738 259 1864 376"> <p><b>Field Offices</b> ★ JFOs: 18 DRs: 44 EMs: 3 Deployed Teams (Location)</p> </div>
<b>Regional IMATs</b> (< 3 Teams)	Assigned: Available: PMC / NMC: Deployed:	13 1 1 11			<div data-bbox="608 382 763 453"> <p>4382-DR-CA FCO: William Roche JFO: Sacramento, CA R-IX IMAT-2 (JFO)</p> </div> <div data-bbox="1574 382 1864 502"> <p>4354-DR-ME 4372-DR-MA 4355-DR-NH 4379-DR-MA 4356-DR-VT 4380-DR-VT 4367-DR-ME 4385-DR-CT 4370-DR-NH FCO: James N. Russo 4371-DR-NH JFO: Manchester, NH R-I IMAT (JFO)</p> </div>
<b>National ISBs</b> (0 Teams)	Team A Team B Team C	Deployed Deployed Deployed			
<b>US&amp;R</b> (≥ 66%)	Assigned: Available: PMC / NMC: Deployed:	28 0 (-25) 3 (+3) 25 (+22)			<div data-bbox="608 567 763 627"> <p>3402-EM-Mariana Island FCO: Willie G. Nunn JFO: TBD</p> </div> <div data-bbox="1574 507 1864 562"> <p>4368-DR-NJ FCO: Lai Sun Yee JFO: Colts Neck, NJ R-III IMAT FEMA NRCC</p> </div> <div data-bbox="1574 567 1864 627"> <p>4374-DR-MD 4376-DR-MD FCO: Emily Breslin JFO: Philadelphia, PA</p> </div>
<b>MERS</b> (≥ 66%)	Assigned: Available: PMC / NMC: Deployed:	36 28 (-7) 0 8 (+7)			<div data-bbox="608 687 782 780"> <p>Tropical Cyclone Support R-VII IMAT (Andersen AB) R-X IMAT (Andersen AB) ISB Team MERS</p> </div> <div data-bbox="1574 687 1864 748"> <p>4359-DR-WV 4378-DR-WV FCO: Steven S. Ward JFO: Charleston, WV</p> </div> <div data-bbox="1574 753 1864 813"> <p>3401-EM-NC FCO: Albert Lewis JFO: TBD R-IV IMAT 1 NC EOC</p> </div>
<b>FCO</b> (≤ 1 Type I)	Assigned: Available: PMC / NMC: Deployed:	33 9 (-1) 2 22 (+1)			<div data-bbox="792 720 1130 846"> <p>4389-DR-Havasupai Tribe FCO: Nancy Casper JFO: TBD</p> <p>4373-DR-OK Closing September 21 FCO: Traci L. Brasher JFO: Denton, TX</p> </div> <div data-bbox="1333 775 1477 835"> <p>4337-DR-FL FCO: Thomas J. McCool JFO: Orlando, FL</p> </div> <div data-bbox="1333 840 1477 911"> <p>4377-DR-TX Closing September 14 FCO: Jerry S. Thomas JFO: Austin, TX R-VI IMAT-1 (JFO)</p> </div> <div data-bbox="1545 802 1690 911"> <p>4350-DR-MS 4358-DR-KY 4361-DR-KY FCO: Manny J. Toro 4362-DR-AL FCO: Thomas J. McCool JFO: Atlanta, AL</p> </div> <div data-bbox="1574 917 1864 977"> <p>3400-EM-SC FCO: Elizabeth Turner JFO: TBD R-IV IMAT 2 SC EOC MERS</p> </div>
<b>FDRC</b> (≥ 3)	Assigned: Available: PMC / NMC: Deployed:	14 7 3 4			<div data-bbox="801 868 975 988"> <p>Tropical Cyclone Support Honolulu, Hilo, Maui R-IX IMAT-1 (JFO - Honolulu) ISB Teams MERS US&amp;R IST, CA-TF3, WA-TF1, Water Rescue Team</p> </div> <div data-bbox="1168 868 1323 977"> <p>4365-DR-HI Closing September 14 FCO: Dolph A. Diemont 4366-DR-HI FCO: Benigno Bern Ruiz 3399-EM-HI JFO: Honolulu, HI</p> </div> <div data-bbox="1477 917 1671 999"> <p>4336-DR-PR 4339-DR-PR FCO: Michael F. Byrne JFO: Guaynabo, PR MERS</p> </div> <div data-bbox="1574 917 1864 999"> <p>4335-DR-USVI 4340-DR-USVI FCO: Christopher Harnett JFO: St. Croix, USVI MERS</p> </div>

\* B-2 Status: Assemble ≤ 2-hrs, On Site ≤ 18-hrs; B-48 Status: Assemble and deploy ≤ 48hrs; Charlie Status: No team assemble time requirement

# FEMA Readiness – Activation Teams



Status		Activated Team	Activation Level	Activation Times	Reason / Comments
<b>NWC</b> (5 Teams)	Steady State				
<b>NRCC</b> (2 Teams)	Activated		Level II	24/7	Tropical Activity – Atlantic & Pacific
<b>HLT</b> (1 Team)	Activated				
<b>RWC / MOCs</b> (10 Regions)	Steady State				
<b>RRCCs</b> (10 Regions)	Activated	Region II Region III Region IV	Level II	Day shift only 24/7 24/7	Tropical Activity – Atlantic

Backup Regions: VIII, V & VII



# FEMA

**FEMA's mission is helping people before, during, and after disasters.**