

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

Thursday, September 13, 2018

8:30 a.m. EDT

Significant Activity –Sep 12-13



FEMA

Significant Events: Hurricane Florence; Tropical Storm Olivia; Tropical Storm Isaac

Tropical Activity:

- Atlantic – Hurricane Florence (CAT 2); Tropical Storm Isaac; Hurricane Helene (CAT 1); Subtropical Storm Joyce; Disturbance 1: Medium (50%); Disturbance 2: Low (20%)
- Eastern Pacific – Disturbance 1: Low (20%); Disturbance 2: Medium (40%)
- Central Pacific – Tropical Depression Olivia
- Western Pacific – No activity affecting U.S. interests

Significant Weather:

- Heavy rain with flash flooding possible – Southern Plains and Carolinas to Mid-Atlantic
- Critical/elevated fire weather – CA, NV, AZ, UT, CO, WY, ID and NE
- Red Flag Warnings – CA, NV, UT, CO, WY, and NE

Declaration Activity:

- Major Disaster Declaration approved – Iowa
- Major Disaster Declaration request – New York
- Emergency Declaration approved - Hawaii

Hurricane Florence

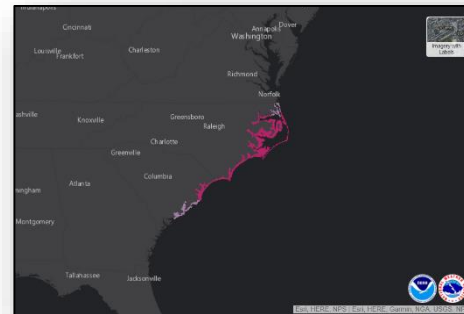
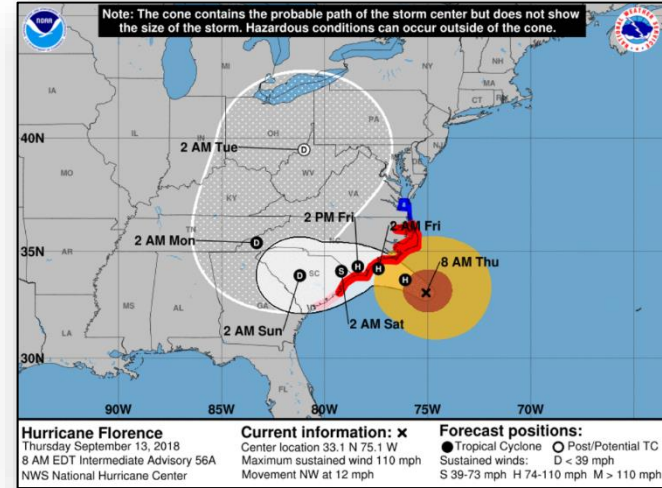


Hurricane Florence (CAT 2) (Advisory #56A as of 8:00 a.m. EDT)

- Located 170 miles ESE of Wilmington, NC; 220 miles E of Myrtle Beach, SC
- Moving NW at 12 mph
- Maximum sustained winds 110 mph
- A turn WNW and W at slower forward speed expected tonight and Friday; then a slow WSW motion forecast Friday night and Saturday
- Hurricane-force winds extend outward up to 80 miles
- Tropical-storm-force winds extend 195 miles

Watches & Warnings

- Storm Surge Warning
 - South Santee River, SC to Duck, NC
 - Albemarle and Pamlico Sounds, including the Neuse and Pamlico Rivers
- Storm Surge Watch
 - Edisto Beach, SC to South Santee River, SC
 - North of Duck, NC to the NC/VA border
- Hurricane Warning
 - South Santee River, SC to Duck, NC
 - Albemarle and Pamlico Sounds
- Hurricane Watch
 - Edisto Beach, SC to South Santee River, SC
- Tropical Storm Warning
 - North of Duck, NC to [Cape Charles Light, VA](#)
 - [Chesapeake Bay](#) south of [New Point Comfort](#)



Tropical Outlook – Atlantic



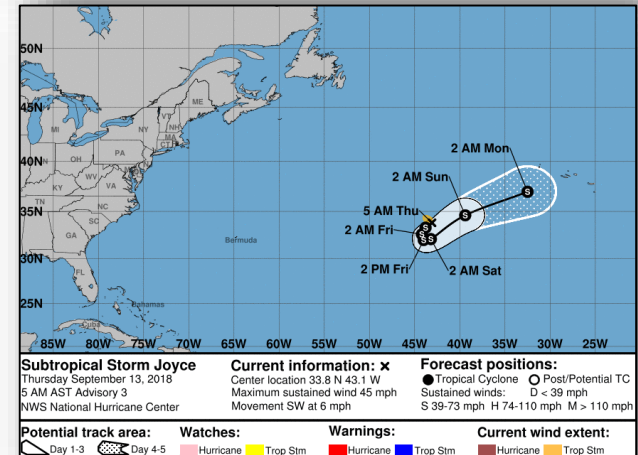
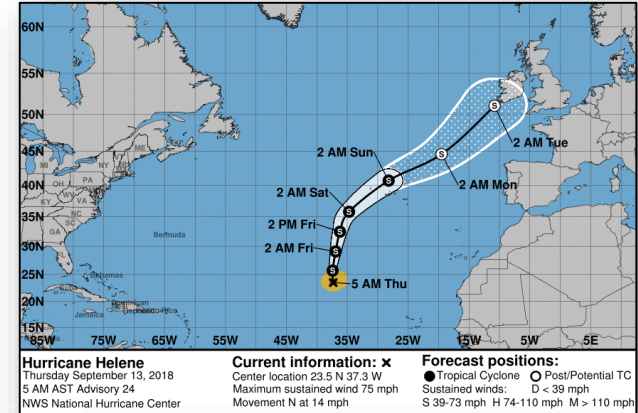
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Hurricane Helene (CAT 1) (Advisory #24 as of 5:00 a.m. EDT)

- 1,215 SSW of Lajes Air Force Base in the Azores
- Moving N at 14 mph
- Maximum sustained winds 75 mph
- Continued weakening is forecast and expected to become a tropical storm by tonight
- No coastal watches or warnings in effect

Subtropical Storm Joyce (Advisory #3 as of 5:00 a.m. EDT)

- 945 miles WSW of the Azores
- Moving SW at 6 mph
- Maximum sustained winds 45 mph
- Could become a tropical storm within the next day or so



Tropical Outlook – Atlantic



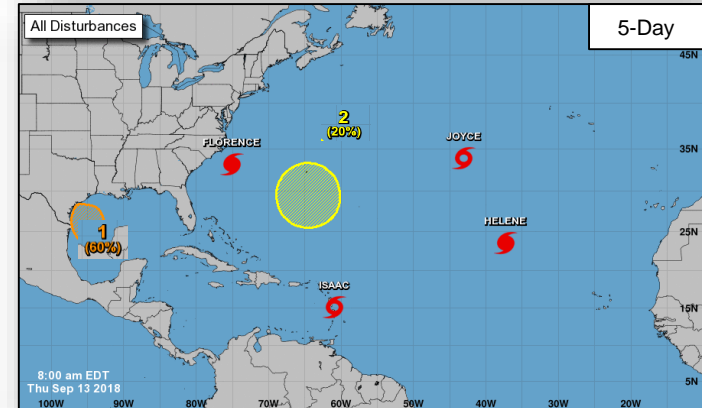
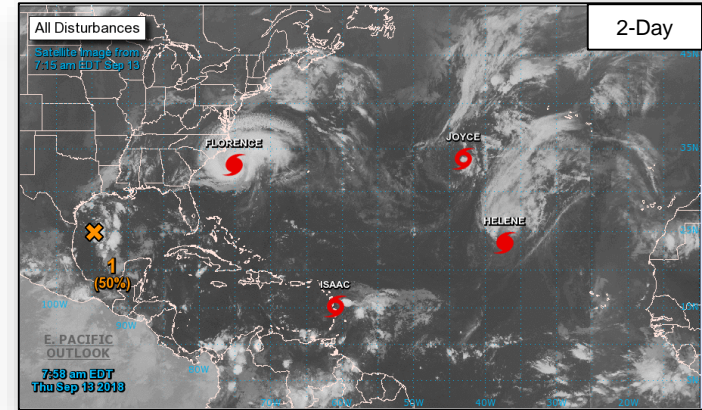
FEMA

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

- Located over western Gulf of Mexico
- Although winds are generally conducive for development of a tropical depression, the system only has about a day before it reaches the western Gulf Coast
- Regardless of development, heavy rainfall and gusty winds expected across portions of Texas and Louisiana on Friday and Saturday
- Formation chance through 48 hours: Medium (50%)
- Formation chance through 5 days: Medium (50%)

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

- Expected to develop near Bermuda late this weekend or early next week
- Some gradual development is possible after that time while it drifts westward over the western Atlantic
- Formation chance through 48 hours: Low (near 0%)
- Formation chance through 5 days: Low (20%)



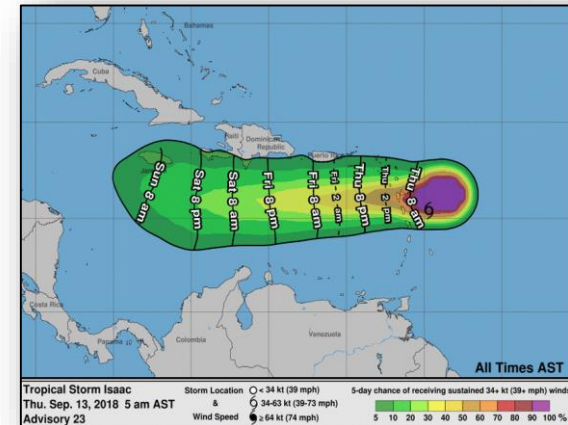
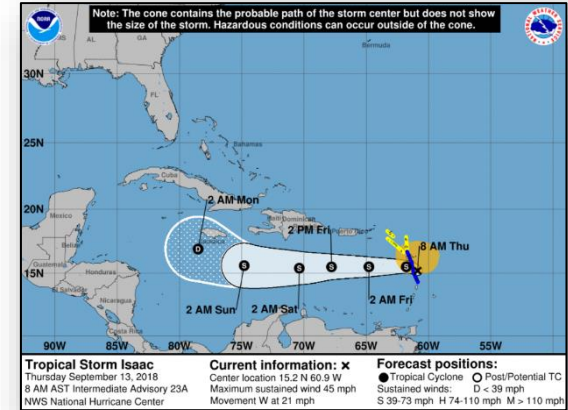
Tropical Storm Isaac



Tropical Storm Isaac (Advisory #23A, as of 8:00 a.m. EDT)

- Located 25 miles E of Dominica
- Moving W at 21 mph
- On the forecast track, should move across the central Lesser Antilles and into the eastern Caribbean Sea later today and then move across eastern and central Caribbean Sea through the weekend
- Maximum sustained winds are 45 mph
- Gradual weakening is forecast as Isaac moves through the eastern Caribbean
- Tropical-storm-force winds extend 160 miles

- Tropical Storm Warning
 - Guadeloupe
 - Martinique
 - Dominica
- Tropical Storm Watch
 - Antigua
 - Barbuda
 - Montserrat
 - St. Kitts and Nevis
 - Saba and St. Eustatius
 - St. Martin and St. Maarten



NWS Weather Prediction Center

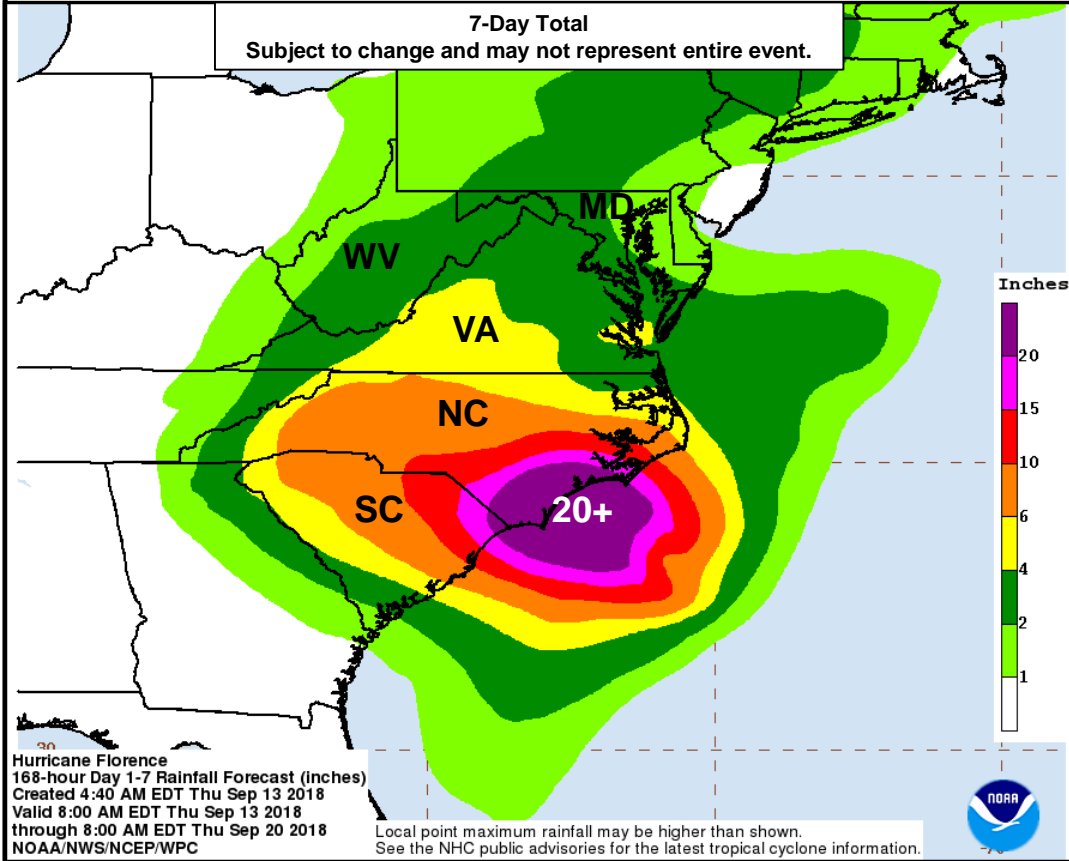
Update #4, 8:30 am EDT, Thursday, Sep. 13, 2018



FEMA

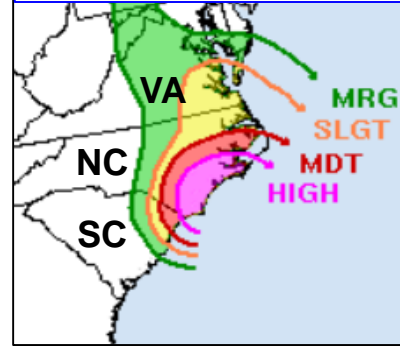
Total Rainfall Forecast Through Thursday, Sep. 20, 2018

7-Day Total
Subject to change and may not represent entire event.

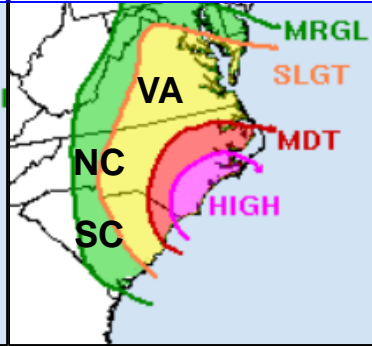


Daily Flash Flood Risk

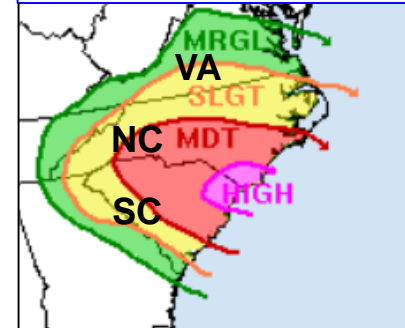
Through Friday AM



Through Saturday AM



Through Sunday AM



Tropical Outlook – Eastern Pacific

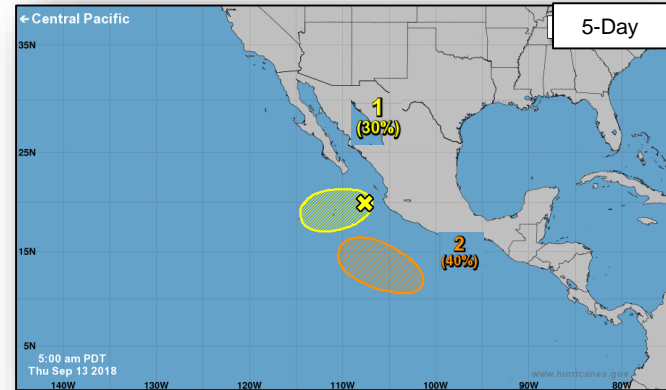
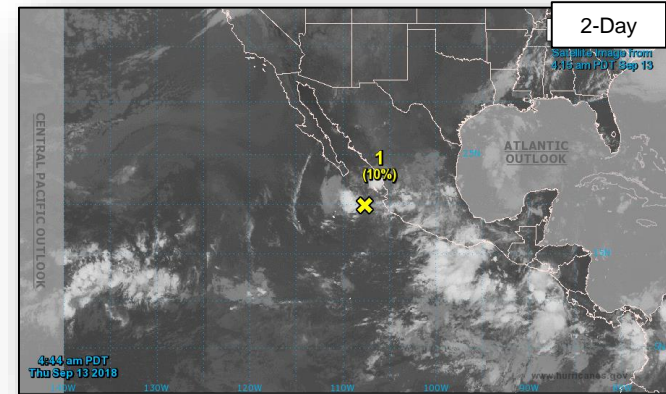


Disturbance 1 (as of 8:00 a.m. EDT)

- Located about 150 miles WSW of Cabo Corrientes, Mexico
- Drifting WSW
- Any development of this system should be slow to occur over next few days
- Formation chance through 48 hours: Low (10%)
- Formation chance through 5 days: Low (20%)

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

- Expected to develop well south of the southwestern coast of Mexico over the weekend
- Moving W to WNW at 10-15 mph
- Thereafter, conditions appear conducive for gradual development and a tropical depression could form
- Formation chance through 48 hours: Low (near 0%)
- Formation chance through 5 days: Medium (40%)



Tropical Depression Olivia



Tropical Depression Olivia (Advisory #51 as of 5:00 a.m. EDT)

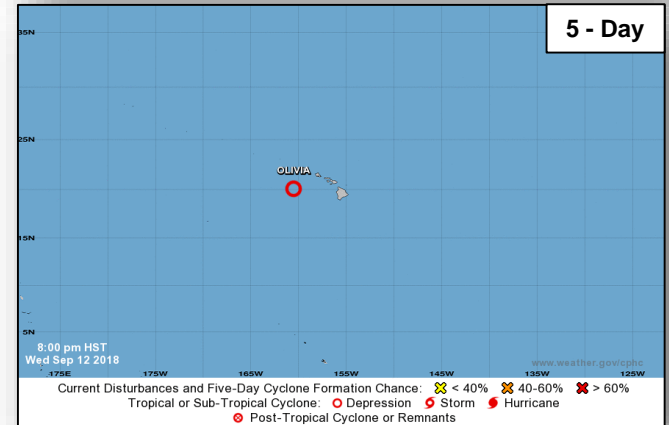
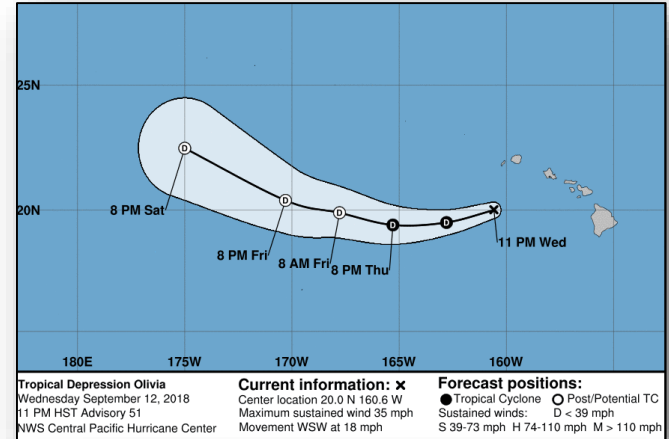
- 195 miles WSW of Honolulu, HI
- Moving WSW at 18 mph
- Maximum sustained winds 35 mph
- Expected to become a post-tropical remnant low late tonight or Friday

Rainfall

- Areas of heavy rainfall will persist through tonight
- Moisture associated with Olivia is expected to produce total rainfall accumulations of 5 to 10 inches in some areas, with isolated amounts of 15 inches, especially in higher terrain
- This rainfall may produce life-threatening flash flooding
- Nine inches of rain have already fallen over parts of Maui

Surf

- Large swells generated by Olivia will impact parts of the main Hawaiian Islands resulting in dangerous surf along east facing shores



Tropical Depression Olivia

Situation

Olivia has passed the Hawaiian Islands and weakened to a Tropical Depression. All Tropical Storm Watches and Warnings have been cancelled for Hawaii

Preparations / Response

FEMA HQ

- NRCC at Level I, 24/7 with all ESFs & LNOs
- 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
- MERS teams deployed to FEMA HQ & HI

FEMA Region IX

- IMAT 1 deployed to HI
- LNOs deployed to all counties in HI

Hawaii (FEMA-3404-EM-HI)

- HI EOC at **Full Activation**
 - Maui County EOC at Full Activation
 - Oahu County EOC at Partial Activation
 - **Kauai County EOC at Monitoring**
 - Hawaii County EOC returned to Normal Operations
- State of emergency declared
- **Emergency Declaration approved September 12**

Lifelines

Safety & Security:

- No destabilizing factors

Food, Water and Shelter:

- **5 (-10) shelters / 58 (-43) occupants**
(ARC Midnight Shelter Count as of 6:06 a.m. EDT)
- No destabilizing factors

Health and Medical:

- No destabilizing factors

Energy:

- No destabilizing factors

Communications:

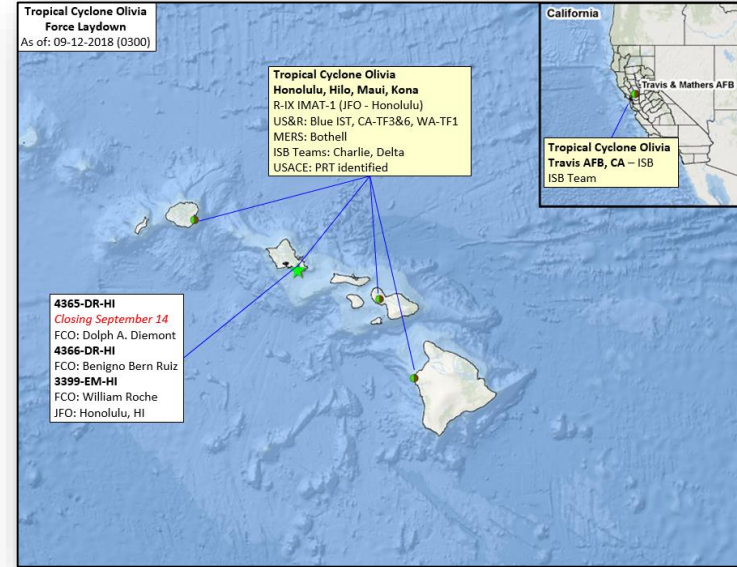
- No destabilizing factors

Transportation:

- **All seaports have re-opened**
- All airports open

Hazardous Waste:

- No destabilizing factors



HI



Hurricane Florence – Lifelines



Safety & Security

- No destabilizing factors

Food, Water and Shelter

- Shelters and durable goods identified to date fall short of the requirements identified in the Region III Hurricane Plan
- Mandatory evacuations across the eastern seaboard affecting approximately 1.5 million people that could have major impacts on road congestion and staging operations
- **Hotel availability severely reduced as residents evacuate affected areas**

Health and Medical

- No destabilizing factors

Energy

- No destabilizing factors

Communications

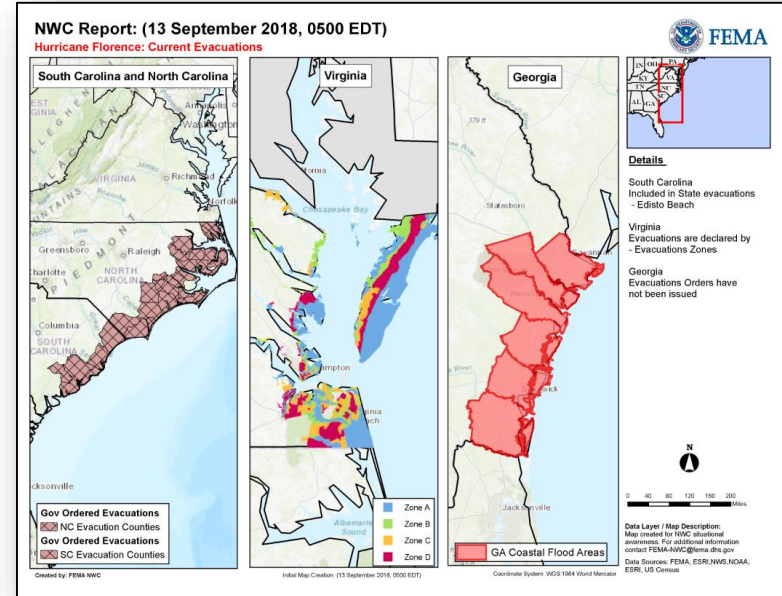
- No destabilizing factors

Transportation

- **SC: Charleston International Airport closed September 13-17; Florence Regional Airport closed September 13-15**

Hazardous Waste

- No destabilizing factors



Hurricane Florence



Situation

Hurricane Florence expected to make landfall along the East Coast Friday.

Storm Surge - Heights above ground

- 9-13 ft: Cape Fear NC to Cape Lookout NC, including the Neuse, Pamlico, Pungo, and Bay Rivers
- 6-9 ft: North Myrtle Beach SC to Cape Fear NC; Cape Lookout NC to Ocracoke Inlet NC
- 4-6 ft: South Santee River SC to North Myrtle Beach SC; Ocracoke Inlet NC to Salvo NC
- 2-4 ft: Salvo NC to North Carolina/Virginia Border; Edisto Beach SC to South Santee River SC

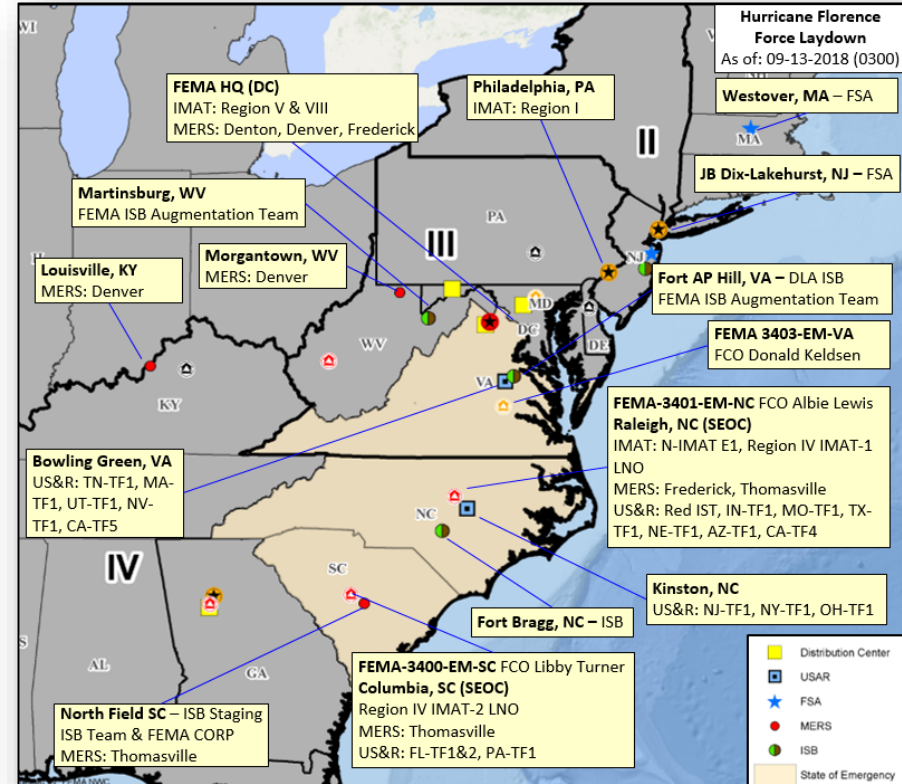
Rainfall

- 20-30 inches, isolated 40 inches: Coastal North Carolina into far northeastern South Carolina; this rainfall would produce catastrophic flash flooding and prolonged significant river flooding
- 6 to 12 inches, isolated 24 inches: Rest of South and North Carolina into southwest Virginia

Preparations/Response

FEMA HQ

- NRCC at Level I, 24/7 with all LNOs and ESFs
- National IMAT East-1 deployed to NC
- Region V deployed to DC to pre-stage
- Region I IMAT deployed to VA
- [Region VIII IMAT deployed to Region IV HQ \(GA\)](#)
- MERS assets deployed
- FSAs established at Ft. A.P. Hill, VA and Martinsburg, WV
- [Composite IMAT deployed to SC EOC](#)



Hurricane Florence



Region IV

- [RRCC at Level I, 24/7](#)
- LNOs and DCO/DCE deployed to [GA](#), NC and SC
- IMAT 1 deployed to NC; IMAT 2 deployed to SC
- Regional HLT deployed to NHC

North Carolina (FEMA-3401-EM-NC)

- EOC at Full Activation; State of Emergency declared
- [15 counties under mandatory or voluntary evacuation](#)
- US&R: Red IST, [3 – Type 1](#); [4 – Type 3](#); [11 – MRP Water Team](#)
- [Shelters: 82 \(+77\) open with 2,912 \(+2,541\) occupants](#) (*ARC Midnight Shelter Count as of 6:06 a.m. EDT*)

South Carolina (FEMA-3400-EM-SC)

- EOC at Full Activation; State of Emergency declared
- Mandatory evacuations in effect for 6 counties, all other orders rescinded
- [Shelters: 42 \(+11\) open with 3,822 \(+2,437\) occupants](#) (*ARC Midnight Shelter Count as of 6:06 a.m. EDT*)
- US&R: [4 – Type 1](#); [1 MRP Water Team](#)

Georgia

- [EOC at Full Activation; State of Emergency declared](#)

Tennessee

- EOC at Monitoring (EMAC support)

Kentucky

- EOC at Monitoring (EMAC support)

Region III

- RRCC at Level II (day shift), [Level III \(night shift\)](#) with all ESFs, DOD USCG, DHS IP, ARC;
- LNO deployed to NRCC
- [IMAT \(Type III\) deployed to VA](#)

Virginia (FEMA-3403-EM-VA):

- EOC at [Full Activation](#); State of Emergency declared; National Guard activated
- Mandatory evacuations in effect for Zone A (19 counties) in the Hampton Roads area
- [Shelters: 9 open with 12 occupants](#) (*ARC Midnight Shelter Count as of 6:06 a.m. EDT*)
- [US&R: 2 – Type 3; 3 – MRP Water Teams](#)

State Response

- MD EOC at Partial Activation; State of Emergency declared
- WV EOC at Full Activation
- DE EOC at Monitoring
- [DC EOC returned to Normal Operations](#)
- [Shelters: MD/DE – 3 shelters open with 7 occupants](#) (*ARC Midnight Shelter Count as of 6:06 am EDT*)

Region II

- NJ EOC at Monitoring (EMAC support and US&R requirements)

Tropical Storm Isaac

Situation

Puerto Rico and the USVI could see possible impacts from Tropical Storm Isaac on Thursday. Progress on a large number of recovery projects from 2017 could be slowed, halted or set-back due to potential impacts. **Rainfall of 0.5 to 1.5 inches with isolated amounts to 3 inches are forecast across Puerto Rico and the USVI which may cause flash flooding.**

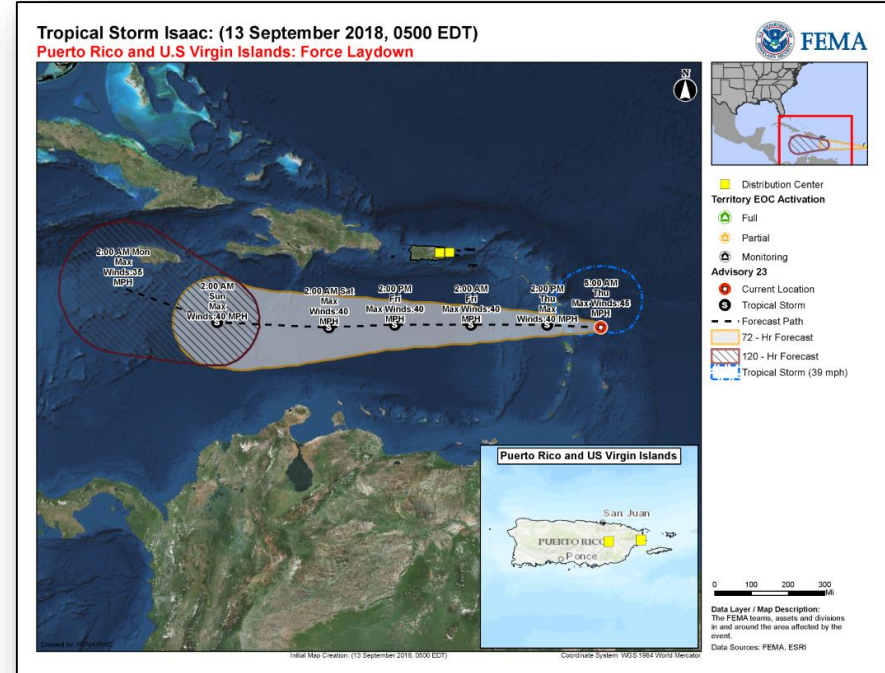
Preparations/Response

FEMA HQ

- NRCC at Level I, 24/7 with all LNOs and ESFs

FEMA Region II

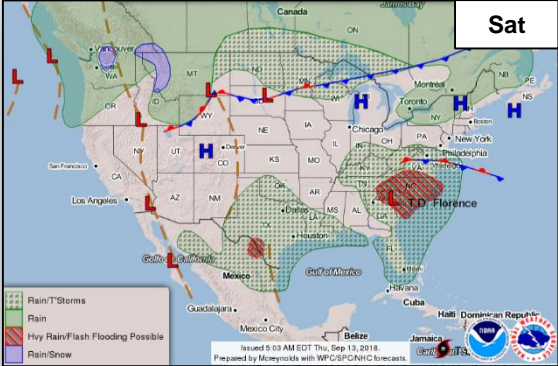
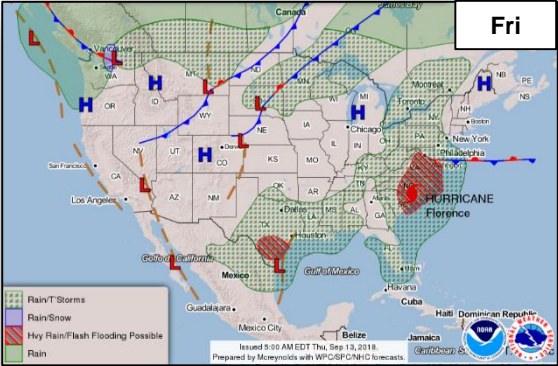
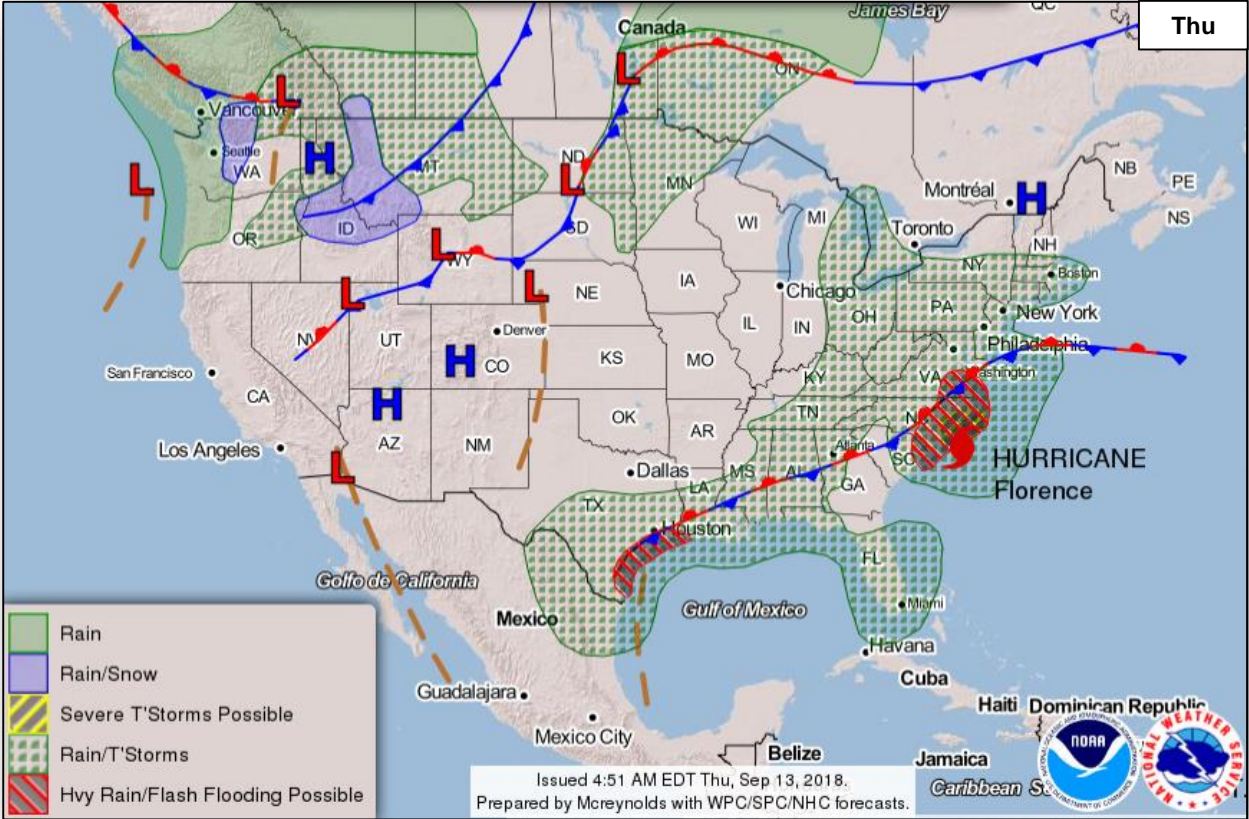
- RRCC at Level II (day shift only) with all ESFs
- 2 LNOs deployed to PREMA EOC; 1 LNO deployed to USVI
- IMAT deployed to USVI
- Puerto Rico returned to Normal Operations
- USVI returned to Normal Operations



National Weather Forecast



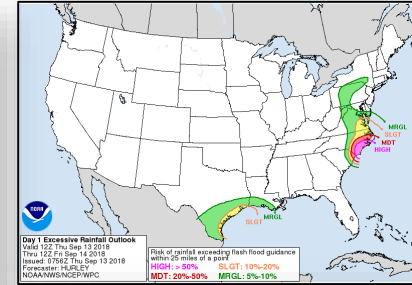
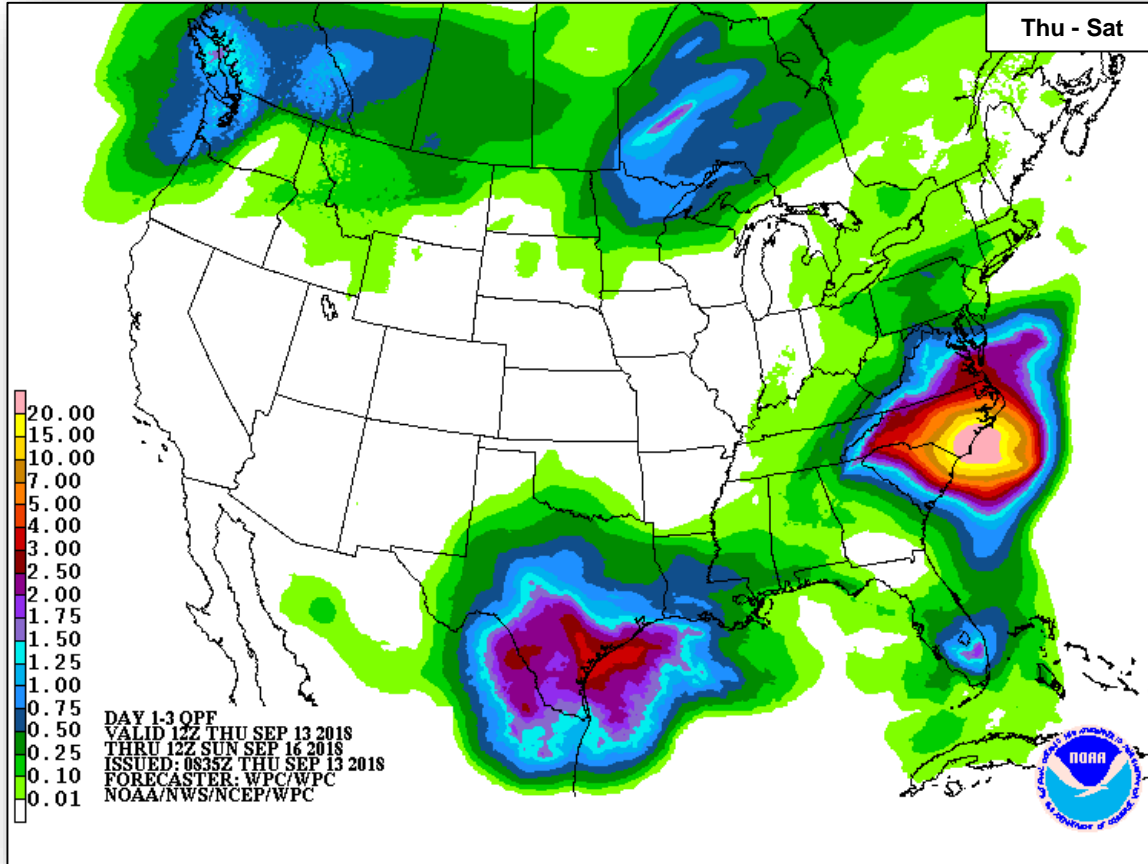
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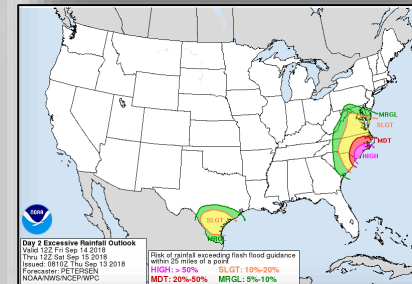
Precipitation / Excessive Rainfall Forecast



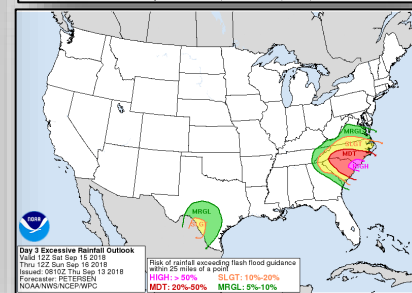
FEMA



Thu



Fri

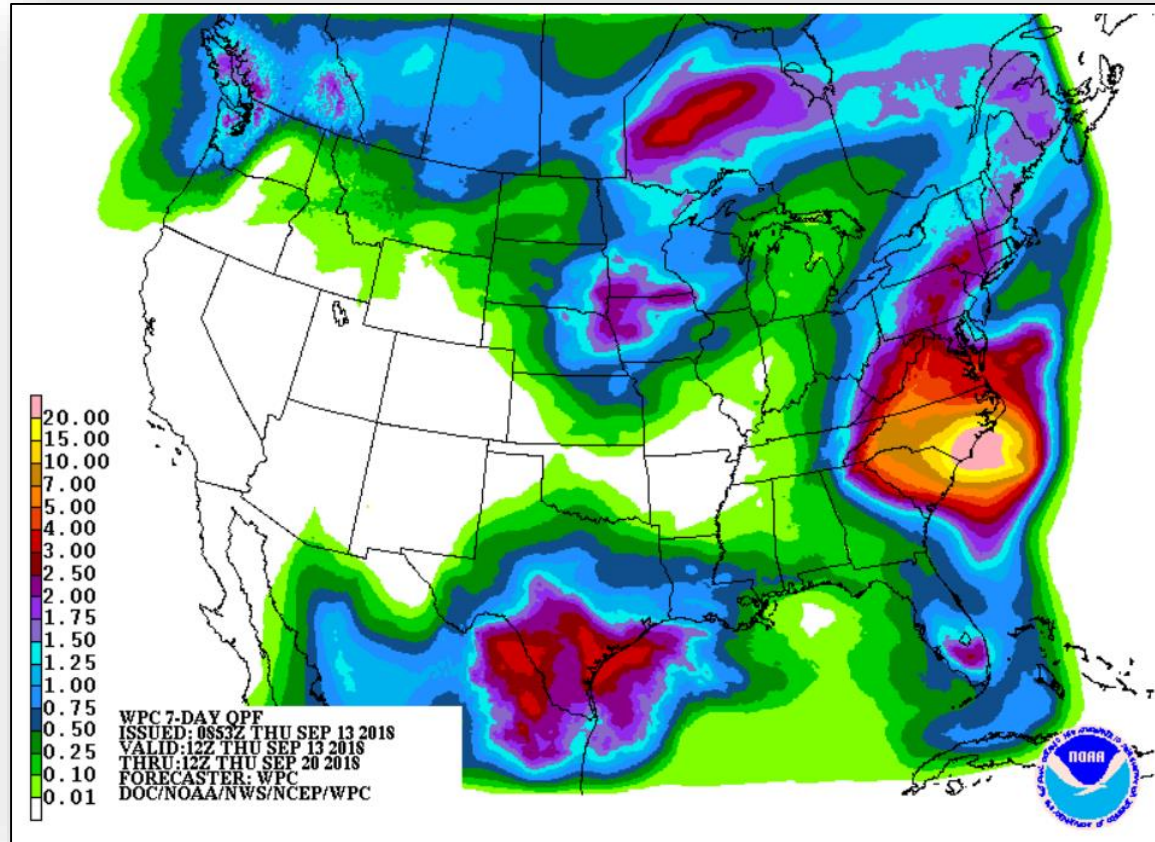


Sat

7-day Forecast Precipitation



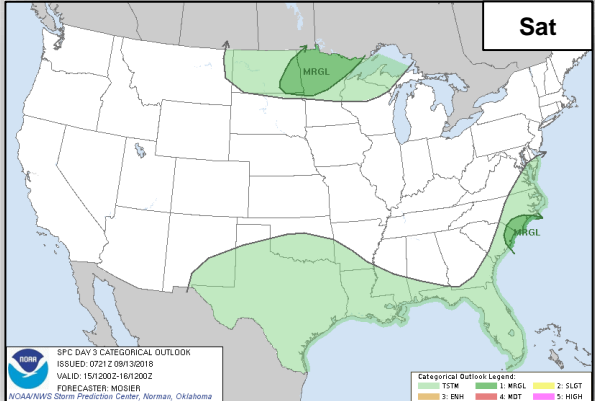
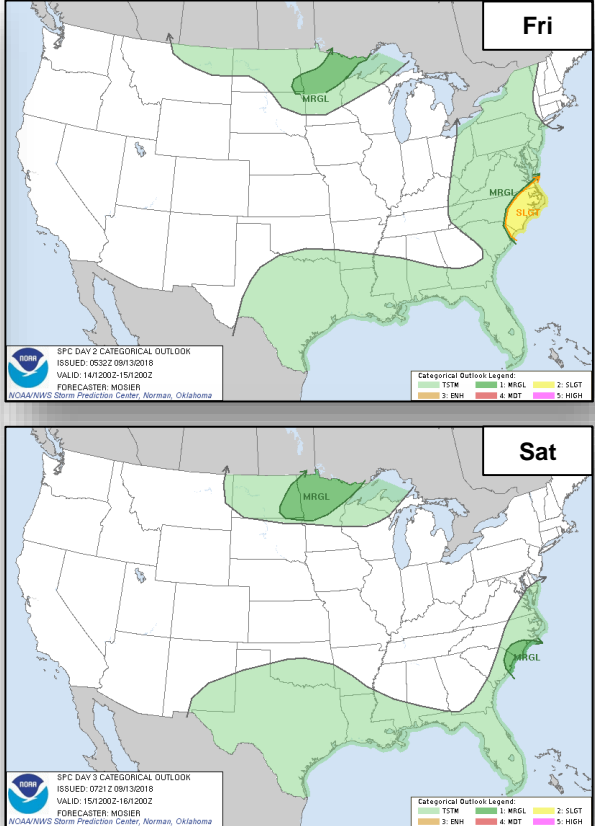
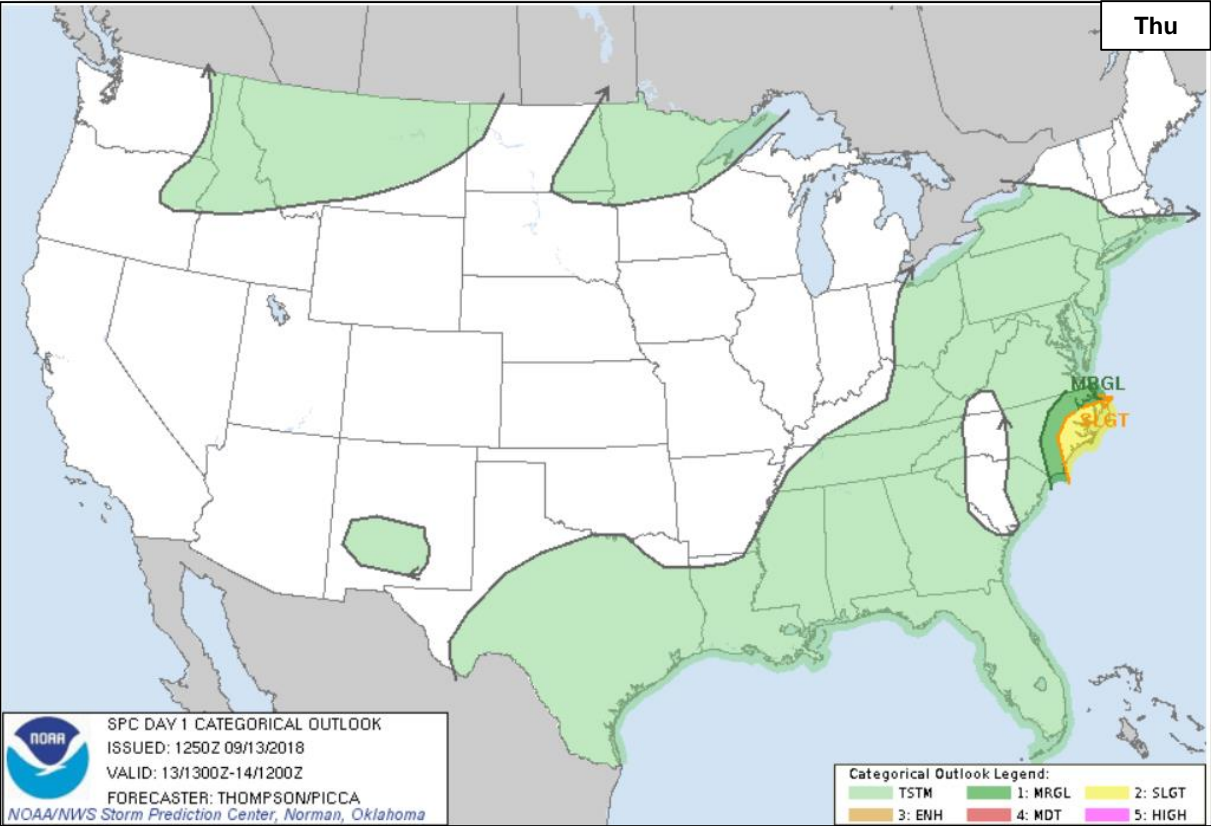
FEMA



Severe Weather Outlook



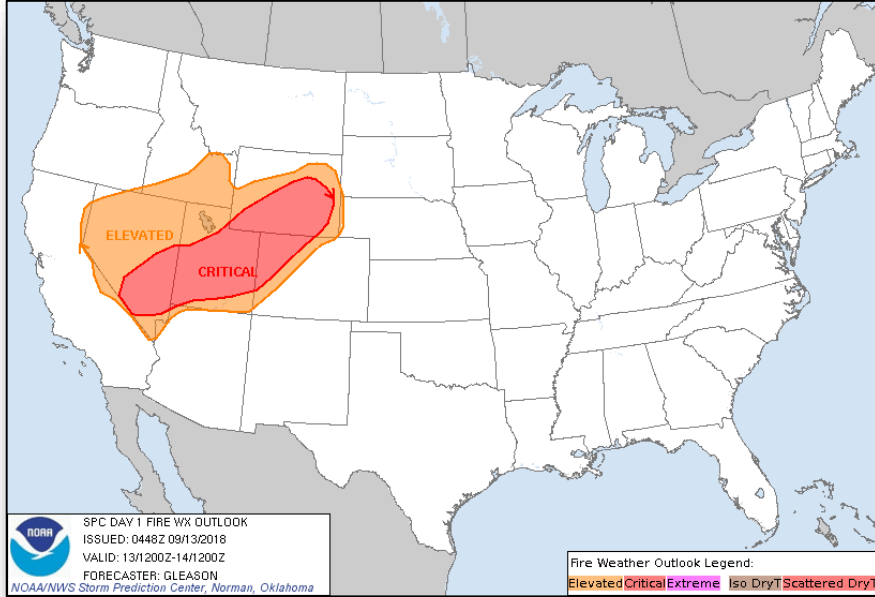
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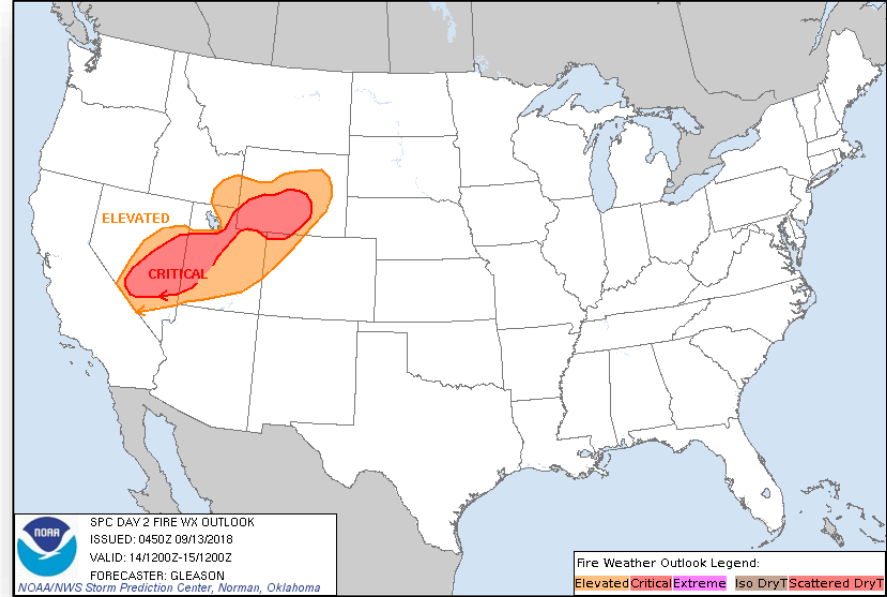
Fire Weather Outlook



FEMA



Thursday

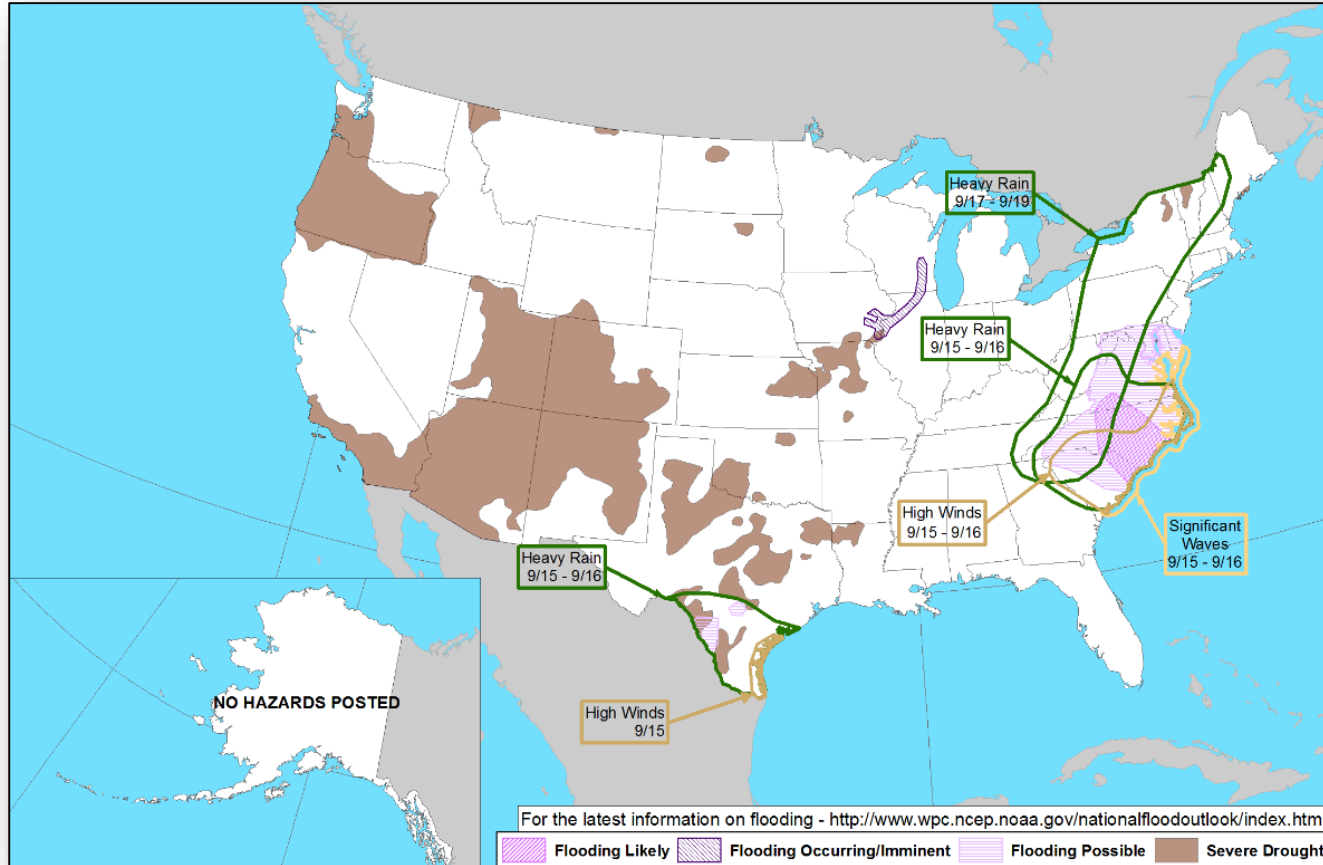


Friday

Hazards Outlook – Sep 15-19



FEMA



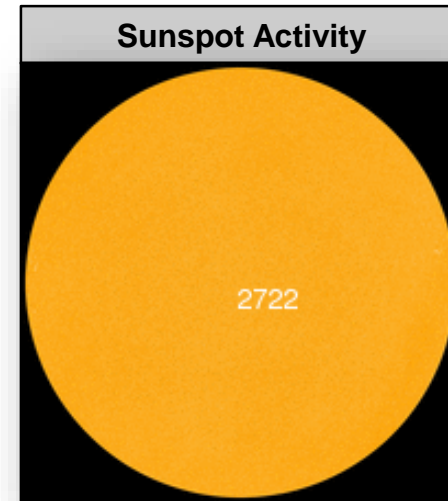
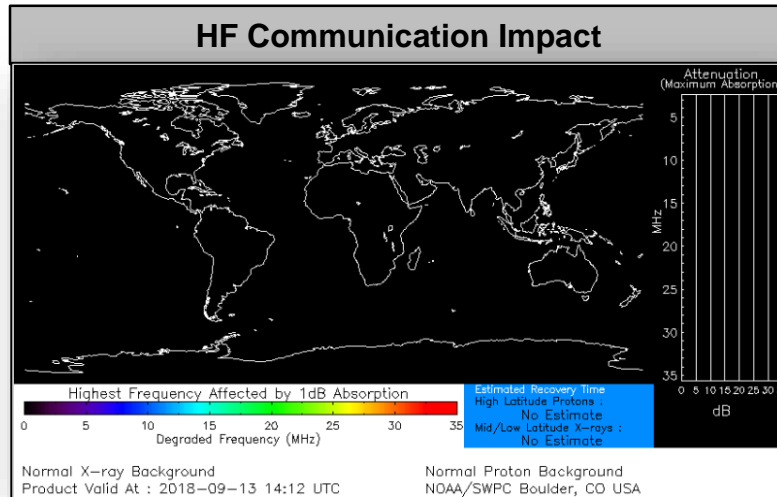
Space Weather



FEMA

	Space Weather Activity	Geomagnetic Storms	Solar Radiation	Radio Blackouts
Past 24 Hours	None	None	None	None
Next 24 Hours	None	None	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.*

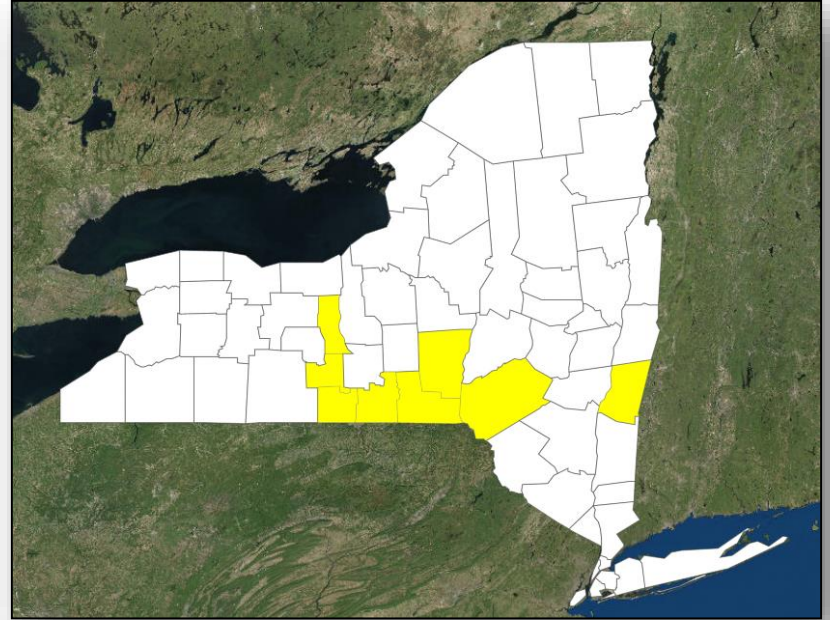
Declaration Request



FEMA

New York

- The Governor requested a Major Disaster Declaration on September 12, 2018
- For severe storms and flooding that occurred August 13 – 18, 2018
- Requesting:
 - Public Assistance for 8 counties
 - Hazard Mitigation statewide



■ PA

Declaration Approved



FEMA

FEMA-3404-EM-HI

- Emergency Declaration approved on September 12, 2018 for the State of Hawaii
- For Tropical storm Olivia occurring on September 9, 2018 and continuing
- Provides emergency protective measures (Category B), limited to direct federal assistance, under the Public Assistance program at 75 percent federal funding for three (3) counties and the City and County of Honolulu
- FCO is Dolph A. Diemont



■ PA

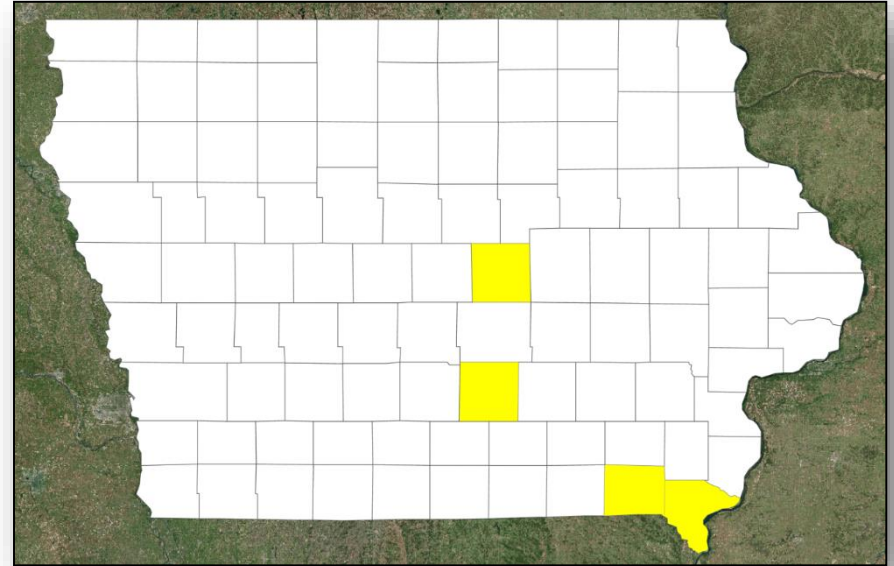
Declaration Approved



FEMA

FEMA-4392-DR-IA

- Major Disaster Declaration approved September 12, 2018 for the State of Iowa
- For severe storms and tornadoes on July 19, 2018
- Provides:
 - Public assistance for 4 counties
 - Hazard mitigation statewide
- FCO is Timothy J. Scranton



■ PA

Disaster Requests & Declarations



FEMA

Declaration Requests in Process					Requests APPROVED (since last report)	Requests DENIED (since last report)
7	IA	PA	HM	Date Requested	2	0
LA – DR Flooding		X	X	June 29, 2018		
IA – DR Severe Storms and Tornadoes	X	X	X	August 17, 2018	Declared September 12, 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		
HI – EM Tropical Storm Olivia		X		September 11, 2018	Declared September 12, 2018	
NY – DR Severe Storms and Tornadoes		X	X	September 9, 2018		

Readiness – Deployable Teams and Assets



FEMA

Resource	Force Strength	Available	Deployed	Other	Cadres with 25% or Less Availability
IM Workforce	11,851 ▲	2,798 ▼ 24%	5,534 ▲	3,519	DSA 7% (60/838); EHP 15% (57/387); ER 14% (6/43); FL 22% (35/157); FM 22% (57/264); HR 12% (29/235); IT 14% (88/629); LOG 2% (23/1,168); OPS 11% (28/259); PA 10% (188/1,822); PLAN 13% (45/341); SAF 6% (3/53); SEC 11% (12/108)
National IMATs* (1-2 Teams)	East 1: East 2: West:	Deployed Charlie B-48			
Regional IMATs (< 3 Teams)	Assigned: Available: PMC / NMC: Deployed:	13 1 1 11			
National ISBs (0 Teams)	Team A Team B Team C	Deployed Deployed Deployed			
US&R (≥ 66%)	Assigned: Available: PMC / NMC: Deployed:	28 1 (+1) 2 (-1) 25			
MERS (33-65%)	Assigned: Available: PMC / NMC: Deployed:	36 20 (-2) 0 16 (+2)			
FCO (≤ 1 Type I)	Assigned: Available: PMC / NMC: Deployed:	33 7 2 24			
FDRC (≥ 3)	Assigned: Available: PMC / NMC: Deployed:	14 3 2 9			

* 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



FEMA

Status		Activated Team	Activation Level	Activation Times	Reason / Comments
NWC (5 Teams)	Steady State				
NRCC (2 Teams)	Activated	Blue	Level I	24/7	Tropical Activity – Atlantic & Pacific
HLT (1 Team)	Activated				
RWC / MOCs (10 Regions)	Activated	Region VI	Enhanced Watch	Day shift only	Severe Weather
RRCCs (10 Regions)	Activated	Region II Region III Region IV Region VI	Level II Level II / Level III Level I Level III	Day shift only Day shift / Night shift 24/7 Day shift (beginning at 1:00 pm EDT)	Tropical Activity – Atlantic Tropical Activity – Atlantic Tropical Activity – Atlantic Flooding



FEMA

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