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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

Thursday, September 19, 2019

8:30 a.m. EDT

# National Current Operations & Monitoring



FEMA

## Significant Incidents or Threats:

- Heavy rain and flooding possible – TX and LA
- Critical and elevated fire weather – NV, AZ, UT, CO and WY

## Tropical Activity:

- Atlantic:
  - Hurricane Humberto (CAT 3); Tropical Storm Jerry
  - Disturbance 1: Low (30%); Disturbance 2: Low (10%)
- Eastern Pacific:
  - Tropical Storm Kiko; Hurricane Lorena (CAT 1); Tropical Storm Mario
  - Disturbance 1: Low (10%); Disturbance 2: Low (30%)
- Central Pacific:
  - Disturbance 1: Low (near 0%)
- Western Pacific: No activity affecting U.S. interests

**Declaration Activity:** None

# Tropical Cyclone Jerry



## Situation

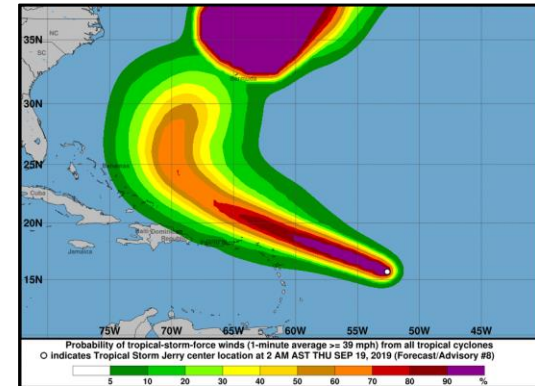
Tropical Storm Jerry will move WNW over the next several days and approach the Leeward Islands on Friday.

## State/Local Response/Preparations

- PR and USVI are not activated

## FEMA Response/Preparations

- NWC Monitoring
- NRCC ROC activated (day shift only)
- Select elements of National IMAT-E and IMAT-W deploying to PR
- MERS deploying small communications package to USVI and PR
- Region I IMAT deployed to PR
- Region II
  - RWC at Enhanced Watch (day shift only)
  - IMAT deployed to USVI
  - LNOs deployed to PR, USVI
  - Deployed 1 DMAT and 2 HMTF to PR
  - Deployed 1 management and 1 Quick Response Team to PR

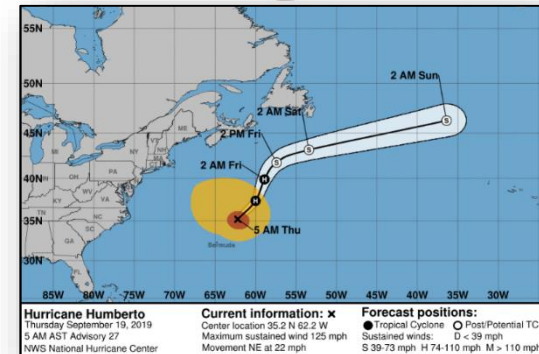


# Tropical Outlook – Atlantic



## Hurricane Humberto (CAT 3) (Advisory #27 as of 5:00 a.m. EDT)

- 250 miles NE of Bermuda
- Moving NE at 22 mph
- Maximum sustained winds 125 mph
- Hurricane-force winds extend 90 miles; tropical-storm force winds extend 405 miles
- Expected to become a post-tropical cyclone by Friday



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

- 525 miles E of Leeward Islands
- Moving WNW at 16 mph
- Maximum sustained winds 70 mph
- Tropical storm force winds extend 45 miles
- Expected to become a hurricane later today
- Expected to produce total rainfall accumulations of 1-2 inches with maximum amounts of 3 inches across the Virgin Islands and Puerto Rico



Current Disturbances & 5 Day Cyclone Formation: ✘ < 40% | ✘ 40-60% | ✘ > 60%  
Tropical / Sub-Tropical Cyclone: ○ Depression | ● Storm | ● Hurricane | ● Post-Tropical Cyclone / Remnants

Potential track area: Day 1-3 (dotted) | Day 4-5 (stippled)  
Watches: Hurricane (pink) | Trop Stm (yellow)  
Warnings: Hurricane (red) | Trop Stm (blue)  
Current wind extent: Hurricane (brown) | Trop Stm (orange)

# Tropical Outlook – Atlantic

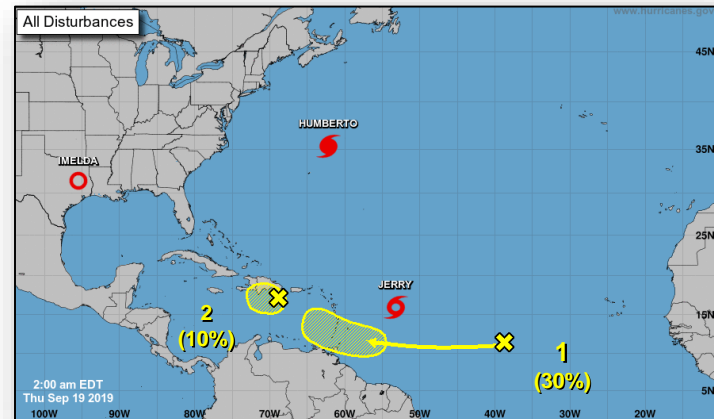


## Disturbance 1 (as of 2:00 a.m. EDT)

- 1,000 miles W of Cabo Verde Islands
- Formation chance through 48 hours: Low (near 0%)
- Formation chance through 5 days: Low (30%)

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

- Located near and to the southeast of Dominican Republic
- Forecast to move slowly NW through the weekend
- Formation chance through 48 hours: Low (10%)
- Formation chance through 5 days: Low (10%)



Current Disturbances & 5 Day Cyclone Formation: < 40% | 40-60% | > 60%  
Tropical / Sub-Tropical Cyclone: Depression | Storm | Hurricane | Post-Tropical Cyclone / Remnants

Potential track area: Day 1-3 | Day 4-5 | Watches: Hurricane | Trop Stm | Warnings: Hurricane | Trop Stm | Current wind extent: Hurricane | Trop Stm

# Tropical Outlook – Eastern Pacific



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## **Tropical Storm Kiko** (*Advisory #28 as of 5:00 a.m. EDT*)

- 1,285 miles WSW of the southern tip of Baja California, Mexico
- Moving W at 6 mph
- Maximum sustained winds 65 mph
- May regain hurricane strength by Friday
- Tropical storm force winds extend 60 miles

## **Tropical Storm Mario** (*Advisory #8 as of 5:00 a.m. EDT*)

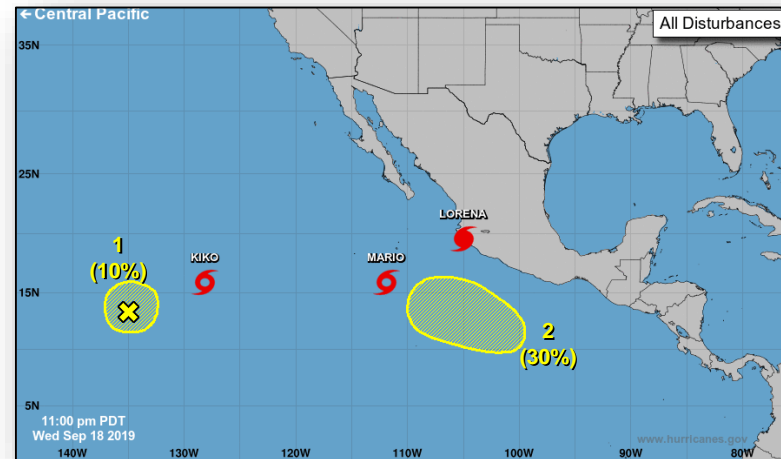
- 500 miles SSW of the southern tip of Baja California
- Moving N at 7 mph
- Maximum sustained winds 65 mph
- Tropical storm force winds extend 45 miles
- Forecast to become a hurricane tonight

## **Hurricane Lorena (CAT 1)** (*Advisory #8A as of 8:00 a.m. EDT*)

- 25 miles SE of Cabo Corrientes, Mexico
- Moving NNW at 8 mph
- Maximum sustained winds 75 mph
- Hurricane force winds extend 10 miles
- Tropical storm force winds extend 80 miles

## **Disturbance 1** (*as of 2:00 a.m. EDT*)

- Located over the far SW portion of the eastern North Pacific
- Formation chance through 48 hours: Low (10%)
- Formation chance through 5 days: Low (10%)



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

- Could form south of the southern coast of Mexico
- Moving slowly W or WNW
- Slow development is possible
- Formation chance through 48 hours: Low (near 0%)
- Formation chance through 5 days: Low (30%)

Current Disturbances & 5 Day Cyclone Formation: ✕ < 40% | ✖ 40-60% | ✗ > 60%

Current / Sub-Tropical Cyclone: ○ Depression | ● Storm | ● Hurricane | ⊗ Post-Tropical Cyclone / Remnants

Potential track area:

Day 1-3 Day 4-5

Watches:

Hurricane Trop Stm

Warnings:

Hurricane Trop Stm

Current wind extent:

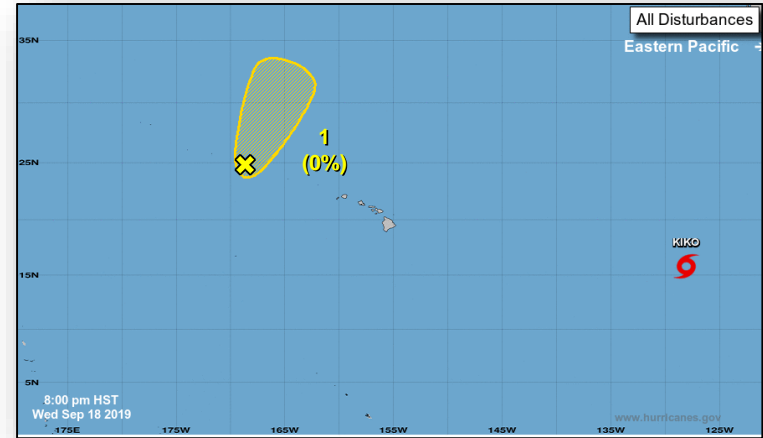
Hurricane Trop Stm

# Tropical Outlook – Central Pacific



## Disturbance 1 *(as of 2:00 a.m. EDT)*

- 625 miles W of Kauai, HI
- Moving NNE
- Formation chance through 48 hours: Low (near 0%)
- Formation chance through 5 days: Low (near 0%)



Current Disturbances & 5 Day Cyclone Formation: < 40% | 40-60% | > 60%  
Tropical / Sub-Tropical Cyclone: Depression | Storm | Hurricane | Post-Tropical Cyclone / Remnants

Potential track area: Day 1-3 | Day 4-5 | Watches: Hurricane | Trop Stm | Warnings: Hurricane | Trop Stm | Current wind extent: Hurricane | Trop Stm



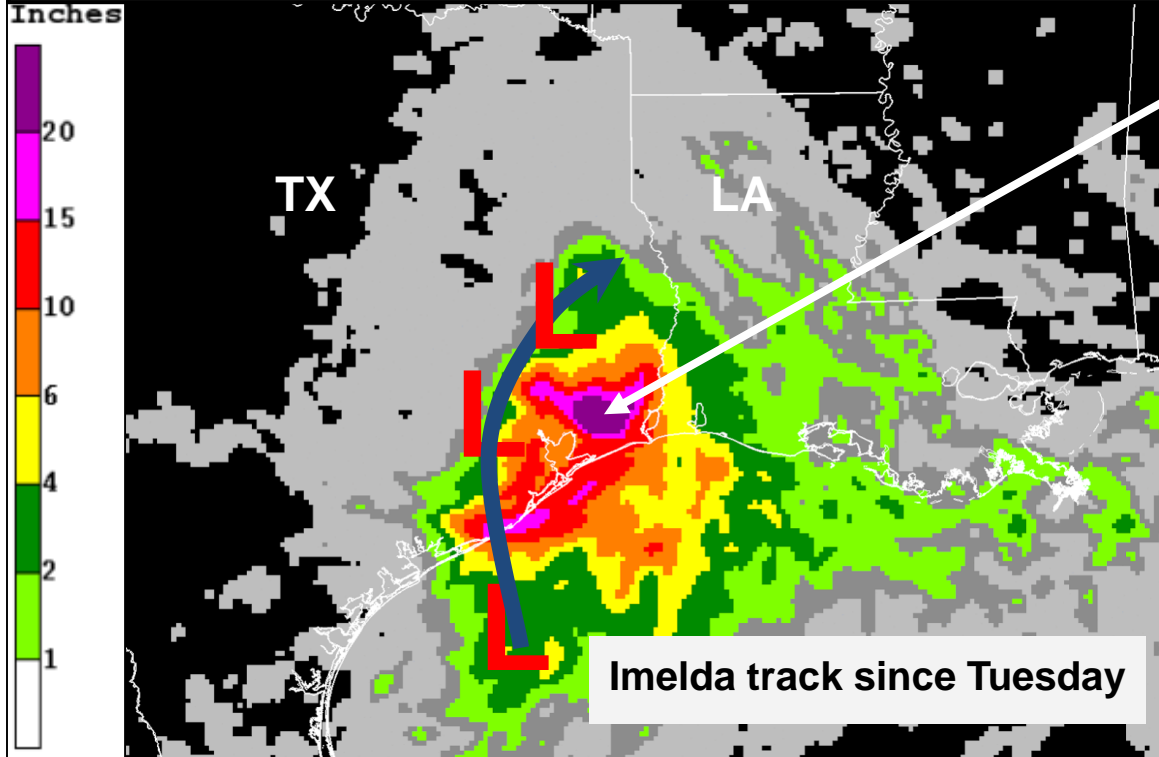
# NWS Weather Prediction Center

Update #2, 8:30 am EDT, Thursday, September 19, 2019



FEMA

## Radar Estimated RAINFALL since 7 am CDT Mon., Sept. 19



## Observed RAINFALL

HAMSHIRE, TX 28.11"

SAN BERNARD, TX 21.39"

SARGENT, TX 19.66"

FREEPORT, TX 17.75"

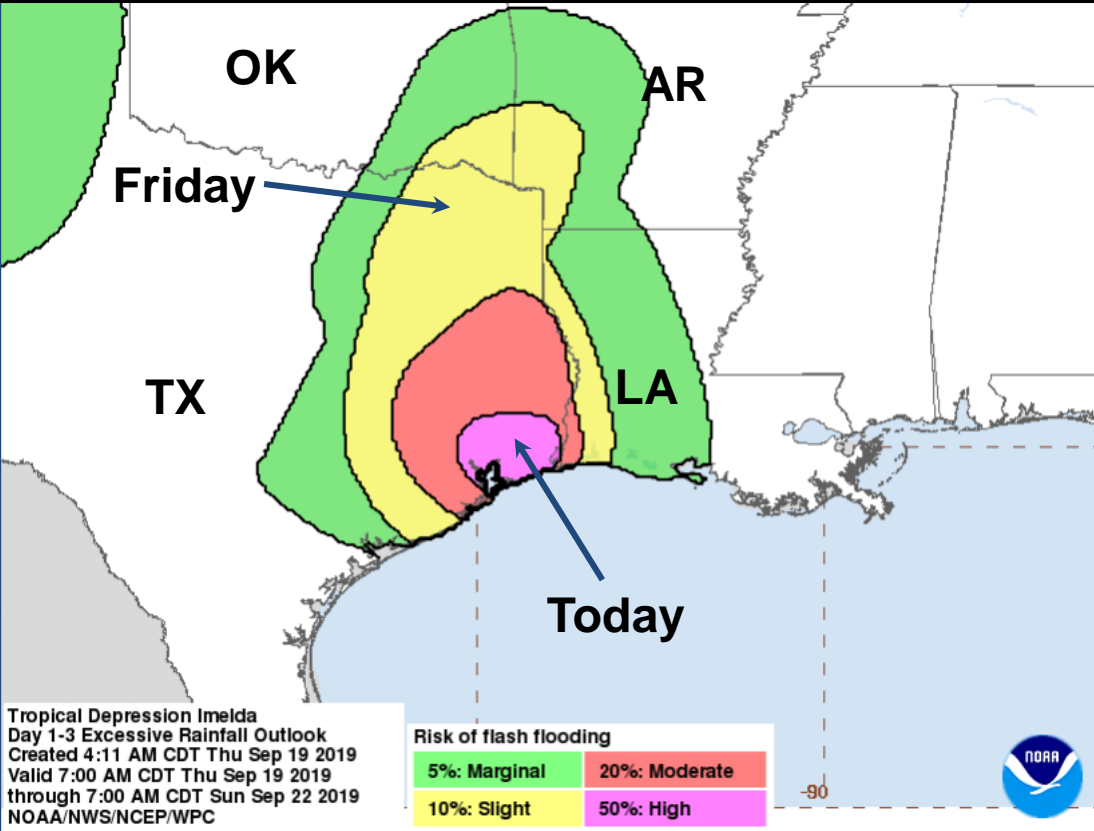
*3-day radar estimated rainfall of over isolated parts of southeast TX...30"*

# NWS Weather Prediction Center

Update #2, 8:30 am EDT, Thursday, September 19, 2019



## Flash Flooding Risk through Saturday Morning



## Key Message

**This system will continue to produce significant to life-threatening flash flooding along portions of the Upper Texas Coast.**

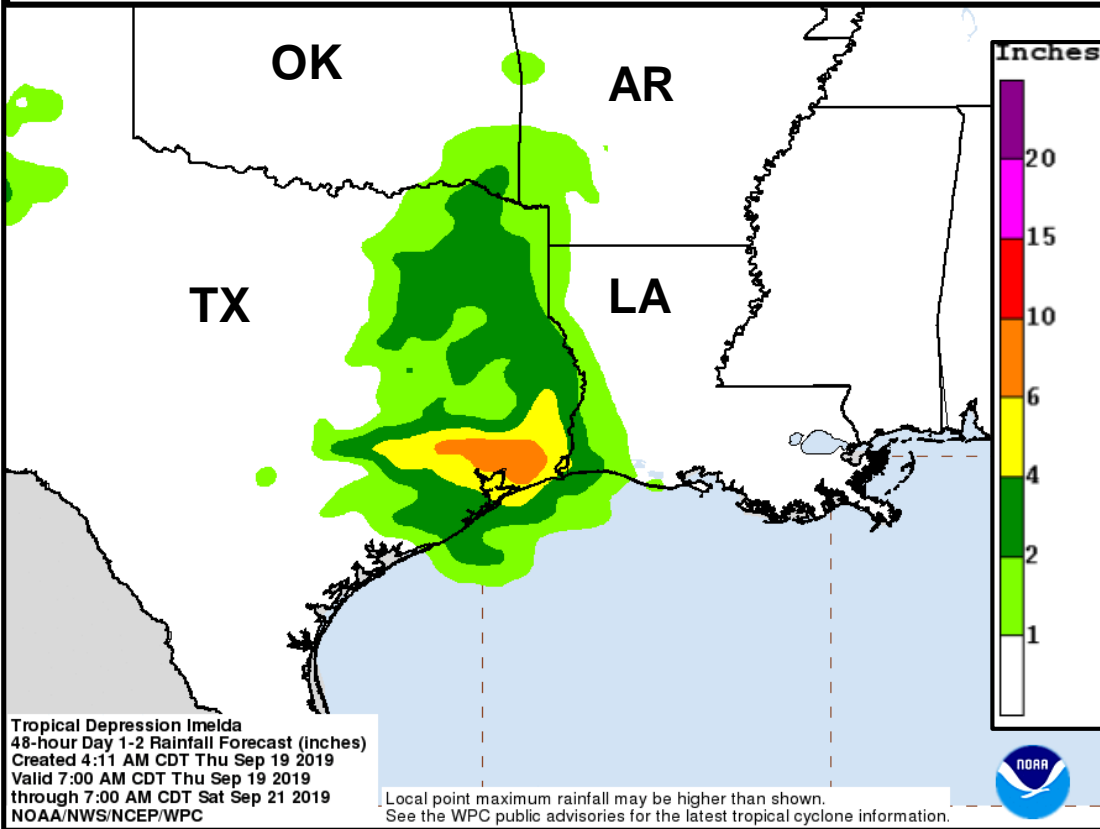
# NWS Weather Prediction Center

Update #2, 8:30 am EDT, Thursday, September 19, 2019



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## 2-Day Rainfall Forecast Through Early Saturday, Sept. 21



## Tropical Depression Imelda

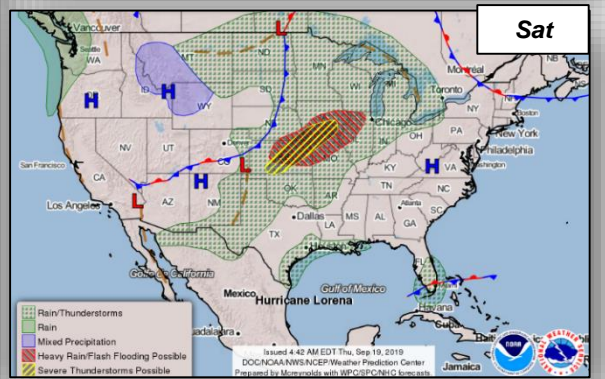
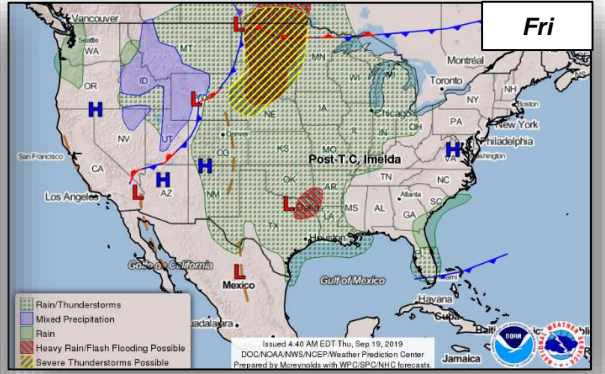
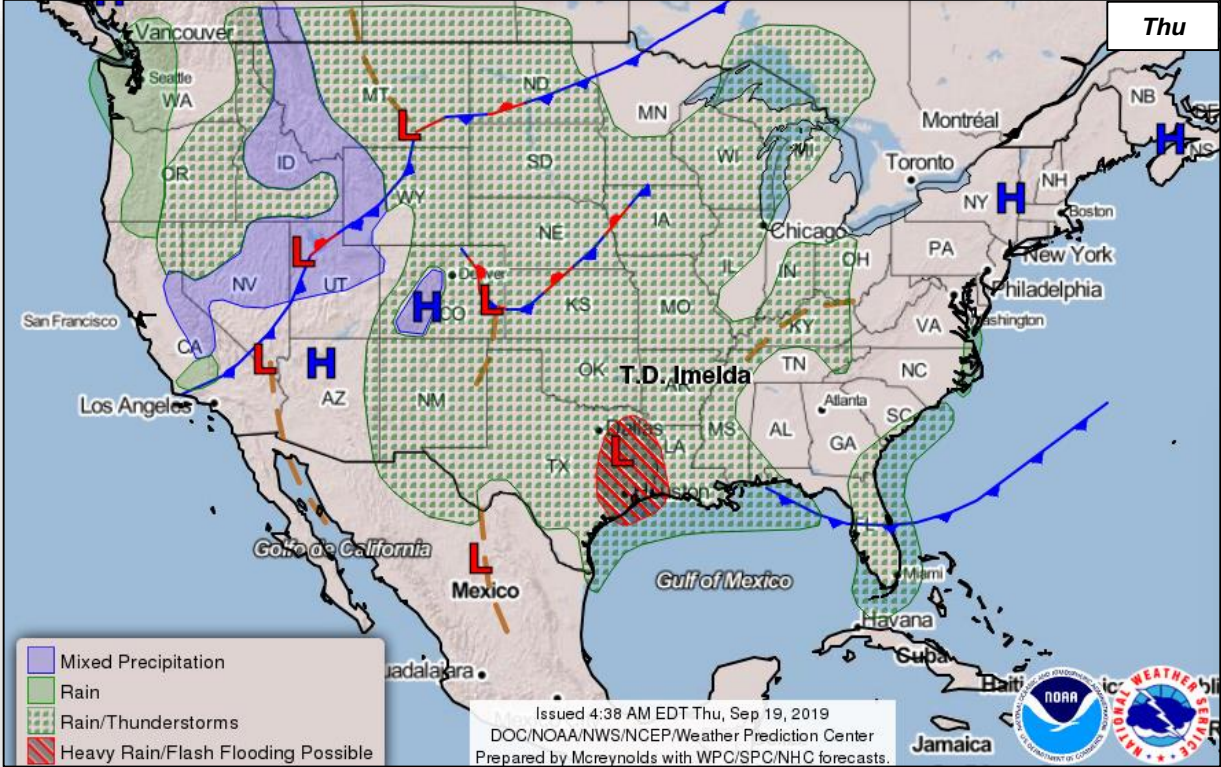
### Additional Rainfall:

- Upper Texas Coast/southeast Texas, 5-10"
- Southwest Louisiana, 3-5"
- Rest of east Texas, 2-4"

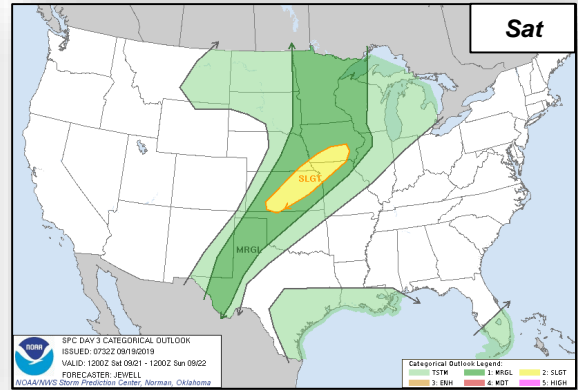
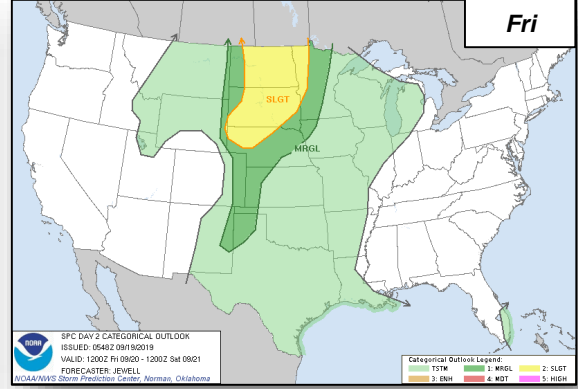
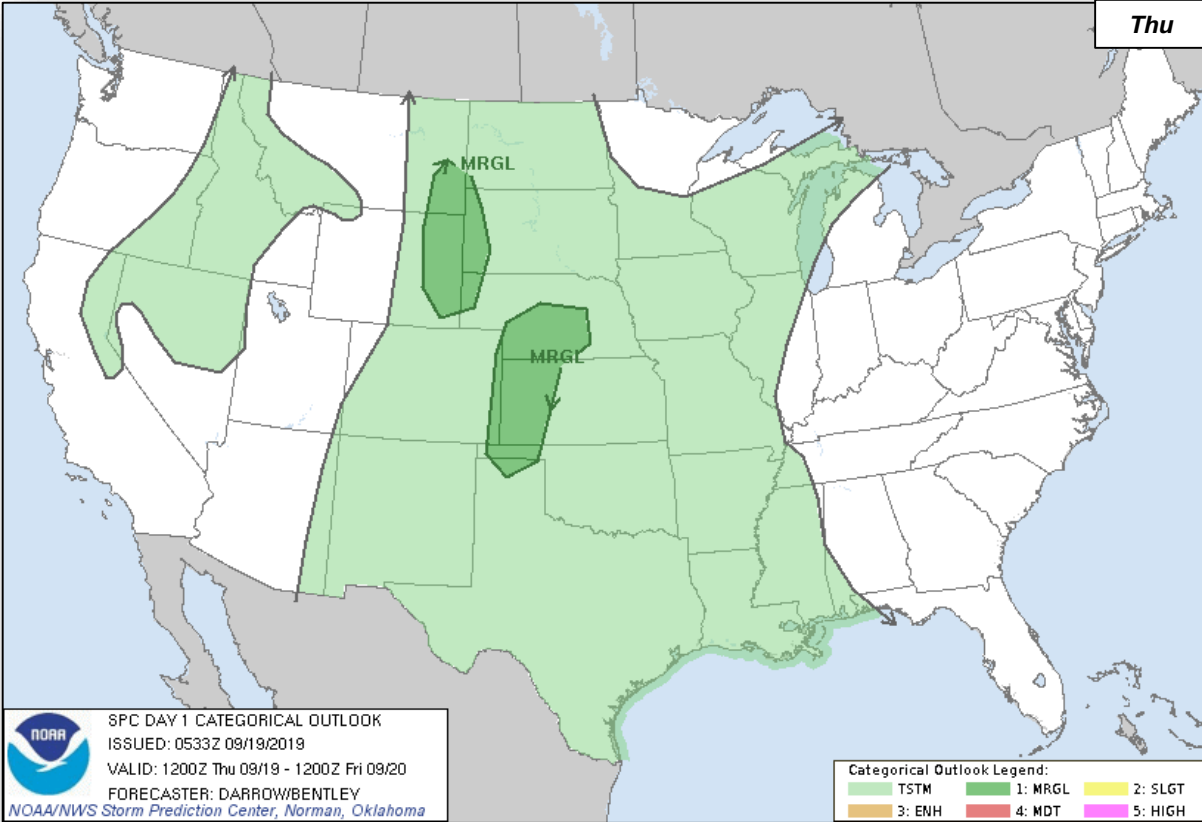
### Event Total Rainfall:

- Upper Texas Coast into/southeast Texas, 25-35"
- Southwest Louisiana, as much as 10"
- Rest of east Texas, as much as 8"

# National Weather Forecast



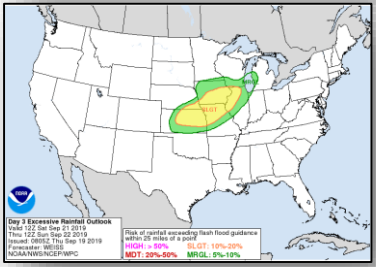
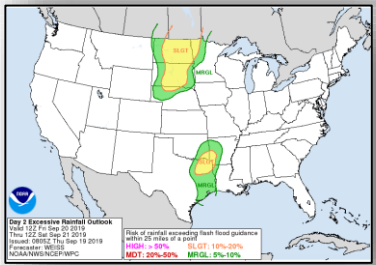
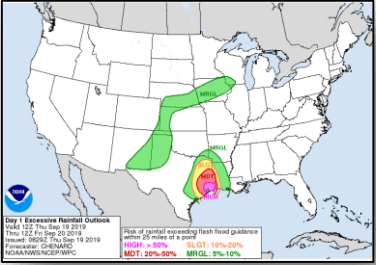
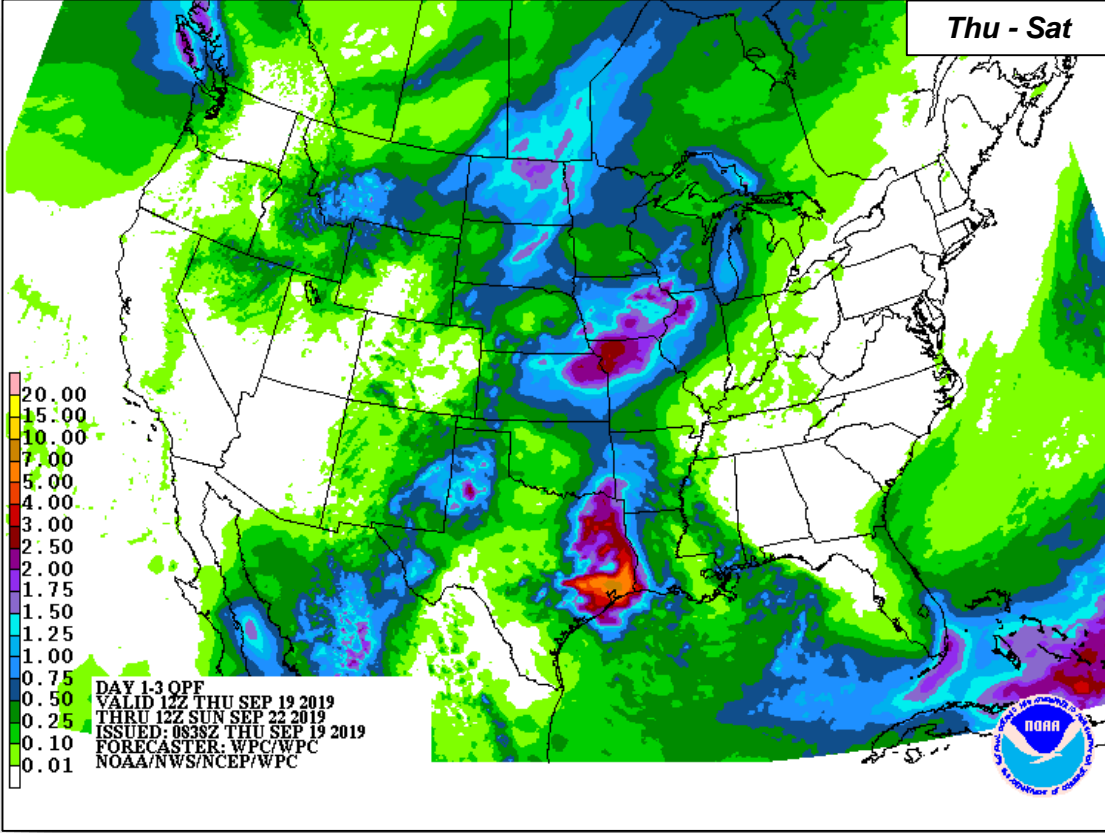
# Severe Weather Outlook



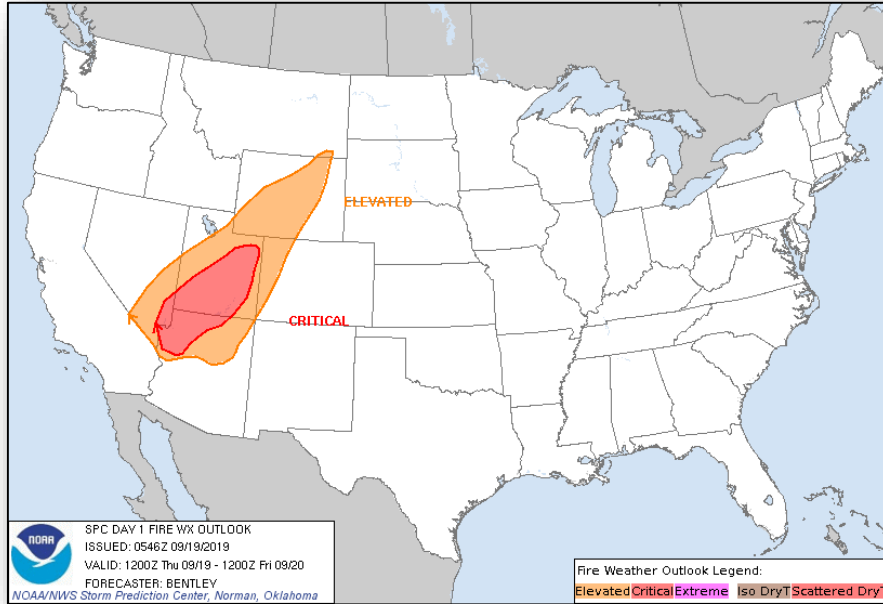
# Precipitation Forecast



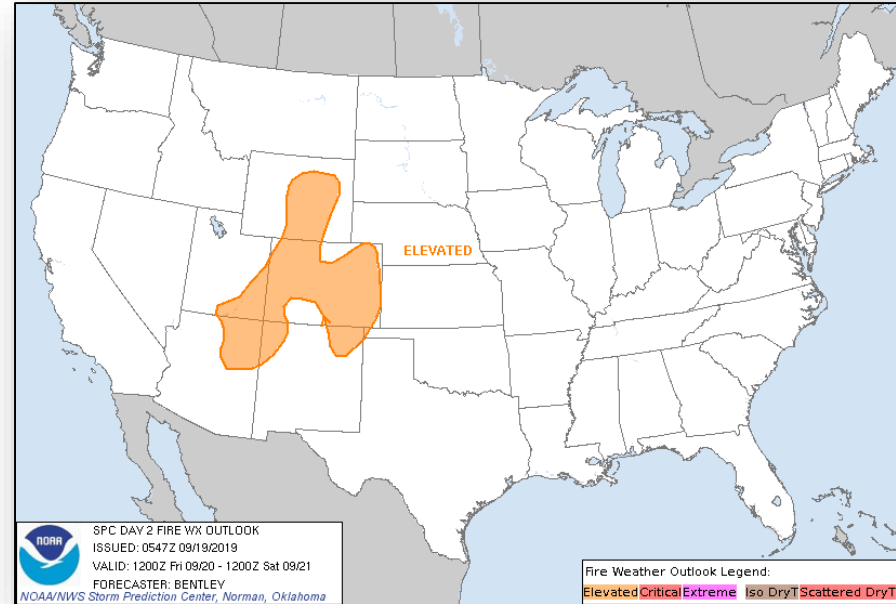
FEMA



# Fire Weather Outlook



*Today*

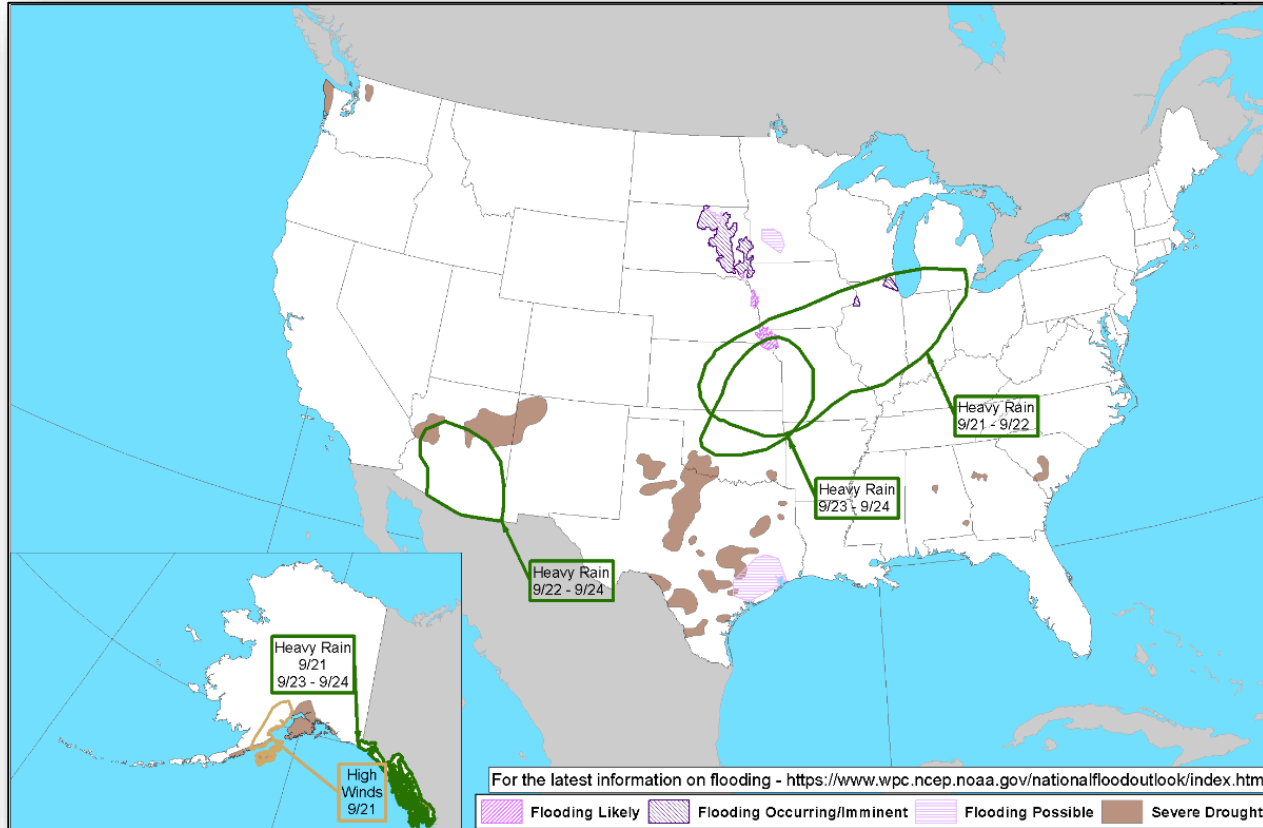


*Tomorrow*

# Hazards Outlook – Sep 21-25



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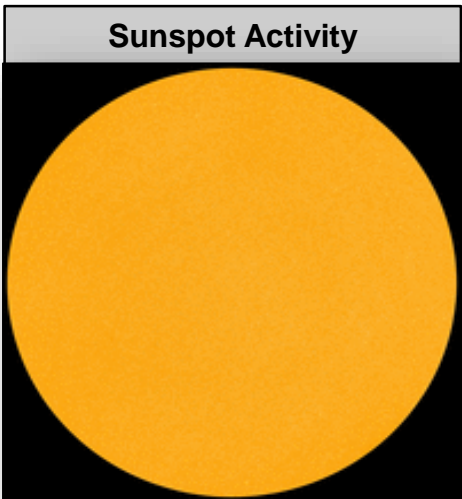
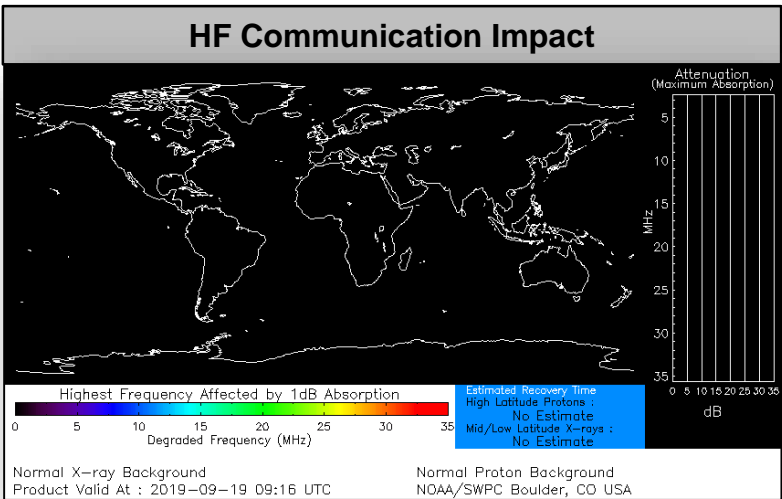
# Space Weather



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	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



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Region	State / Location	Event	IA/PA	Number of Counties		Start – End
				Requested	Completed	
IV	NC	Tropical Cyclone Dorian Aug 30, 2019	IA	0	0	N/A
			PA	24	9 (+1)	9/10 – TBD
	FL	Tropical Cyclone Dorian Aug 30, 2019	IA	0	0	N/A
			PA	18	0	9/9 – TBD

# Declaration Requests in Process – 8



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State / Tribe / Territory – Incident Description	Type	IA	PA	HM	Requested
LA – Flooding	DR		X	X	Aug 15
SD (+2 Tribes*) – Severe Storms, Tornadoes, and Flooding	DR		X	X	Aug 19
SD (+2 Tribes**) – Severe Winter Storms and Flooding	DR		X	X	Aug 28
IL – Severe storms and Flooding	DR	X	X	X	Aug 28
SC – Hurricane Dorian	DR		X	X	Sep 5
SD – Severe Storms, Tornadoes, and Flooding	DR		X	X	Sep 10
AR – Severe Storms and Flooding	DR		X	X	Sep 12
NC – Hurricane Dorian	DR		X	X	Sep 13

\* *Cheyenne River Reservation and the Lower Brule Indian Reservation*

\*\* *Cheyenne River Reservation and the Rosebud Indian Reservation*

# FEMA Common Operating Picture

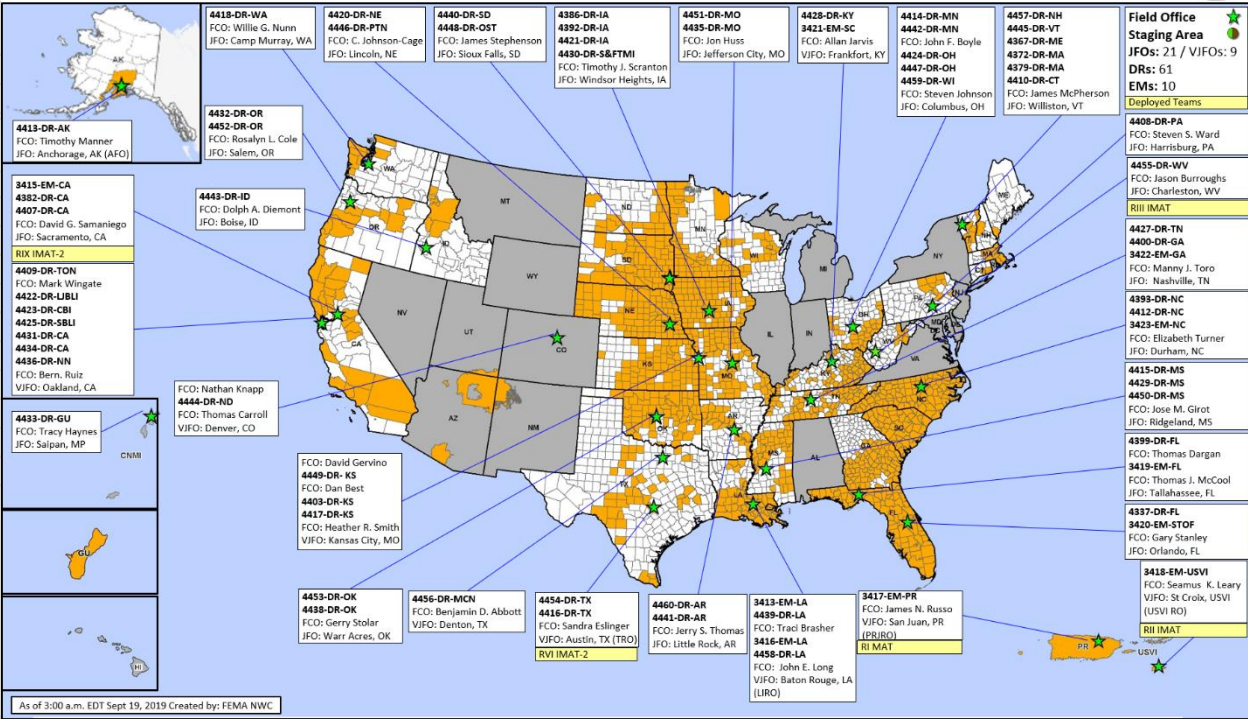


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FEMA HQ	
<b>NWC</b>	<b>NRCC</b>
Monitoring	ROC

FEMA REGIONS		
WATCH	RRCC	
Monitoring	I	Rostered
Enhanced	II	Rostered
Monitoring	III	Rostered
Monitoring	IV	Rostered
Monitoring	V	Rostered
Enhanced	VI	Rostered
Monitoring	VII	Rostered
Monitoring	VIII	Rostered
Monitoring	IX	Rostered
Monitoring	X	Rostered

**Activation Details**  
 NRCC Response Operations Cell (ROC) – TS Jerry (day shift)  
 Region II RWC – TS Jerry (day shift)  
 Region VI RWC – TD Imelda (day shift)



N-IMATs	
2 Teams	
E	
W	
C	
R-IMATs	
≤ 3 Teams	
I	PR
II	USVI
III	WV
IV-1	
IV-2	
V	
VI-1	
VI-2	TX
VII	
VIII	
IX-1	
IX-2	CA
X	
FMC	PMC
NMC	Deployed

Team:	US&R	MERS	FCOs	FDRCs	IM WORKFORCE
Status	(>66%)	(>66%)	(≤1 Type 1)	(≤3)	
Assigned:	28	36	38	12	13,680 ▲
Unavailable	1 (+1)	0	1	0	4,209 ▼
Deployed:	0	0	34	9	5,428 ▲
Available:	27 (-1)	36	3	3	4,043 / 30% ▼

IM CADRE AVAILABILITY SUMMARY	
Cadres with 25% or Less Availability	
EHP 9% (48/545); ER 15% (10/69); FL 18% (27/151); FM 21% (58/282); HM 24% (291/1,197); HR 25% (53/209); IT 16% (101/648); LOG 22% (296/1,337); PA 9% (247/2,686); PLAN 18% (72/403); SAF 13% (7/54); SEC 24% (31/132)	

As of 3:00 a.m. EDT Sept 19, 2019 Created by: FEMA NWC



# FEMA

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