

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, May 23, 2019

8:30 a.m. EDT

Significant Activity – May 22-23



FEMA

Significant Events:

- Tornado touchdown – Jefferson City, MO
- Flooding – Central Plains

Tropical Activity:

- Atlantic: No significant activity affecting U.S. interests
- Eastern Pacific: Disturbance 1: Medium (40%)
- Central Pacific: No significant activity affecting U.S. interests
- Western Pacific: No significant activity affecting U.S. interests

Significant Weather:

- Flooding - Central U.S.
- Elevated Fire Weather – NM and TX

Declaration Activity:

- Request for Major Disaster Declaration – Louisiana
- Request for Major Disaster Declaration – South Dakota
- Amendment No. 2 to FEMA-4429-DR-MS

Hurricane Season begins in
8 days

Tornado – Jefferson City, MO



Current Situation:

A large storm cell moved north from OK into southeast MO spawning multiple, potential tornadoes, impacting several small towns in/around Jefferson City, MO (Carl Junction, Oronogo, and Golden City). Significant damage reported in an isolated area.

Lifeline Impacts:

Safety & Security

- Preliminary report of structural collapses (Best Western Hotel, Apartment Building, YMCA, nursing home)

Health & Medical

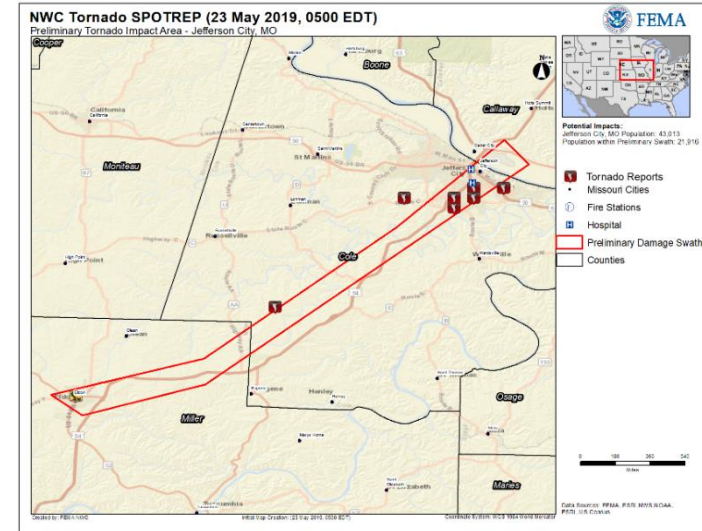
- Three confirmed fatalities across impacted areas
- 9 injuries
- St. Mary's Hospital is on generator power (*HHS SPOTREP as of 4:38 a.m. EDT*)

Energy

- 15k customer power outages (*EAGLE-1 as of 4:20 a.m.*)

State/Local Response:

- MO EOC if Fully Activated
- MO Governor declared a State of Emergency for potential flooding March 21
- State and Jefferson City government offices closed today
- Local US&R
 - State activated US&R MO-TF1; an advance element is on-site with a structural engineer and a Search and Reconnaissance Element
 - Local firefighters conducting rescue operations



FEMA Response:

- FEMA Region VII
 - RRCC activated to Level III (dayshift)
 - IMAT returning from an exercise in CO in order to be postured for response if needed
- FEMA Headquarters:
 - NWC: Steady State, Monitoring 24/7
 - NRCC ROC rostered
 - No unmet needs; no request for FEMA assistance

Flooding – Central U.S.



FEMA

Current Situation:

Two primary areas of concern: Ongoing river flooding due to excessive rainfall, and downstream impacts from USACE-managed, scheduled reservoir releases in areas that are already at-risk

Impacts/Potential Impacts:

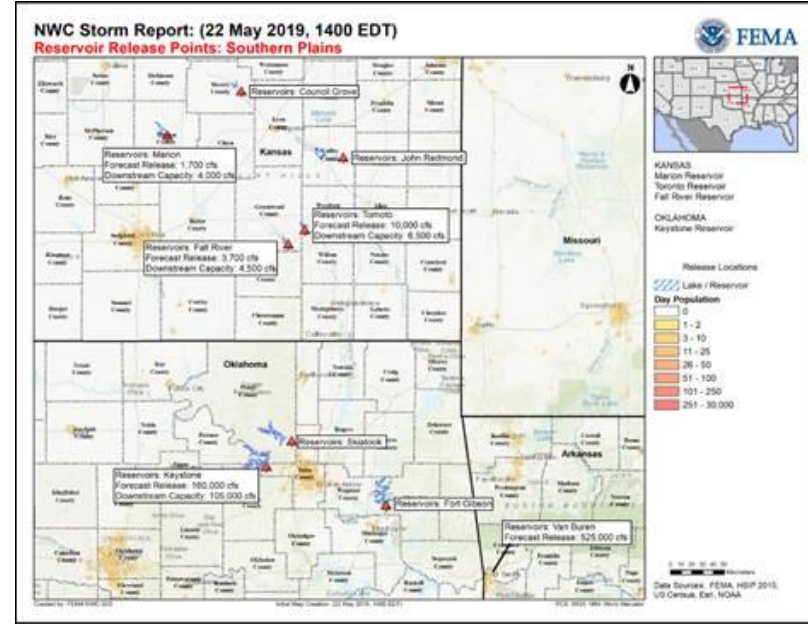
- The Keystone Dam releases (near Bixby, OK) expected to have minimal impacts on surrounding areas
 - Flooding may occur at river “pinch points” like Three Forks Harbor at Muskogee where the Arkansas, Verdigris and Grand Rivers coverage and at Van Buren, AR
 - Flood gauges show the river running at levels just below minor flood stage

Safety & Security

- Mandatory and voluntary evacuations for approx. 2k residents

Food, Water & Sheltering

- 11 shelters are open with 95 occupants (ESF-6 report as of 6:44 a.m. EDT)
 - OK: 6 / 82
 - TX: 1 / 0
 - KS: 4 / 13



Flooding – Central U.S.



FEMA

Response:

State/Local:

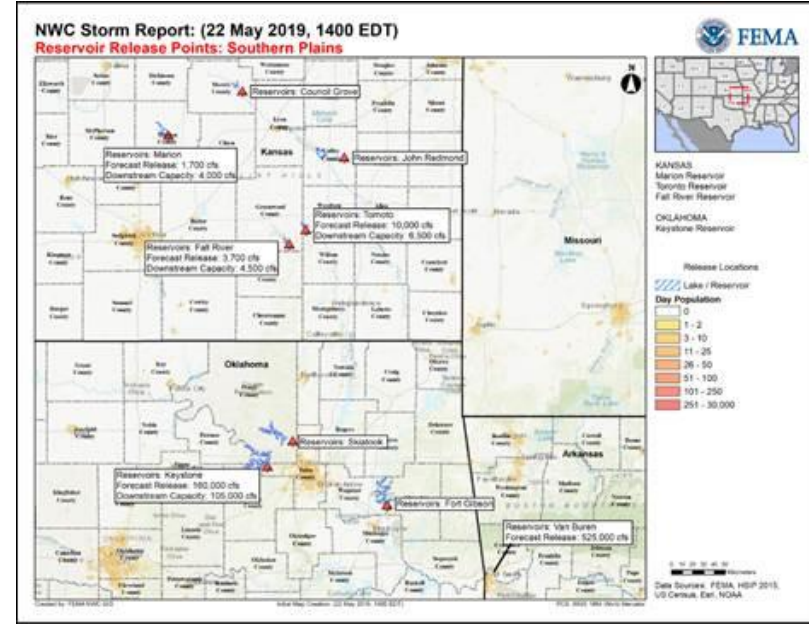
- State EOCs in KS and MO are fully activated
- OK and IL SEOCs are partially activated

FEMA Regions

- FEMA Region V
 - Remains at Steady State; RWC monitoring 24/7
- FEMA Region VI
 - RRCC activated to Level III, with ESF-3 and the DCE (day shift only)
 - IMAT-1 remains deployed to OK EOC with the DCE
 - IMAT-2 remains deployed to Austin (already in place supporting DR-4416)
 - LNO remains deployed to Oklahoma EOC
- FEMA Region VII
 - RRCC activated to Level III
 - LNO deployed to KS State EOC
 - Will preposition potable water in the Kansas City, MO area by Friday

FEMA Headquarters

- NWC Monitoring 24/7
- NRCC ROC rostered



Flooding – Central U.S.



FEMA

NWC Flood Report Outlook (22 May 2019, 2200 EDT) Central US River Flooding

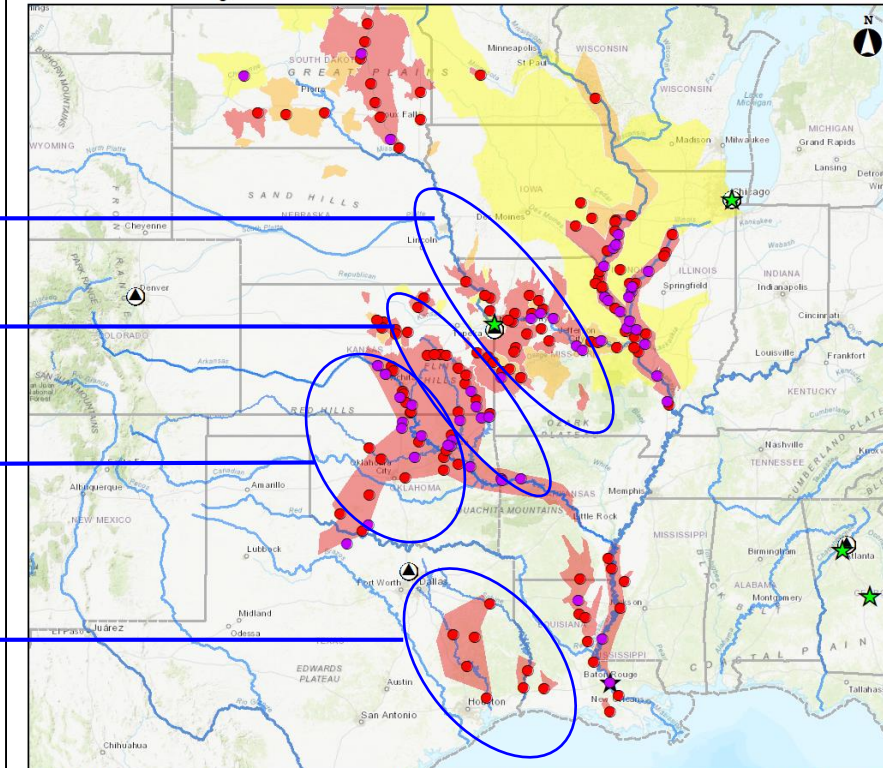


Verdigris River Basin

Neosho River Basin

Arkansas River Basin

Trinity River Basin



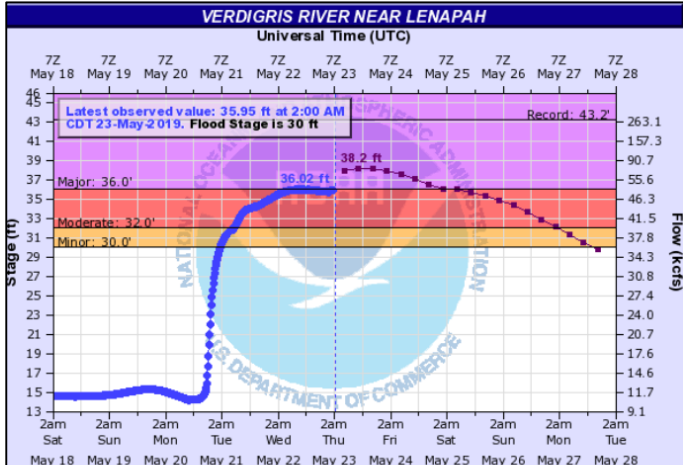
- ★ Joint Field Office (JFO)
- ★ Louisiana Recovery Office (LRO)
- ▲ Regional Office
- USA Major Rivers
- River Gauge Forecasts**
 - Major Stage
 - Major Stage
 - Moderate Stage
 - River Systems
- Significant River Flood Outlook
May 22 - May 24**
 - Occurring or Imminent
 - Likely
 - Possible

0 110 220 330 Miles

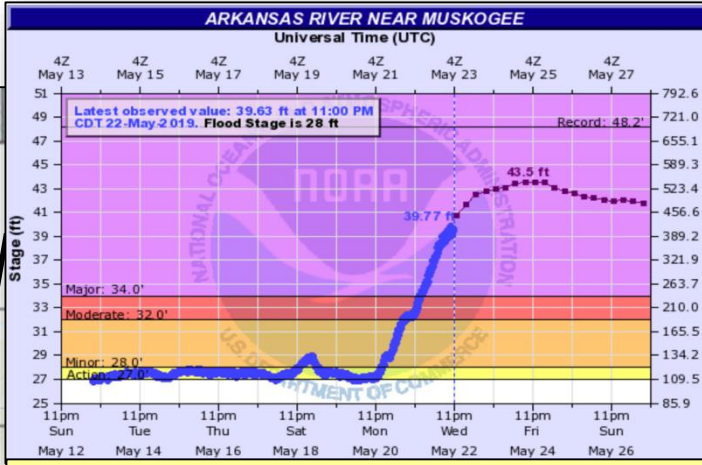
Data Layer / Map Description:
Lower Mississippi Valley Potential Flood Area

Data Sources: FEMA, ESRI, NWS, NOAA, ESRI, US Census

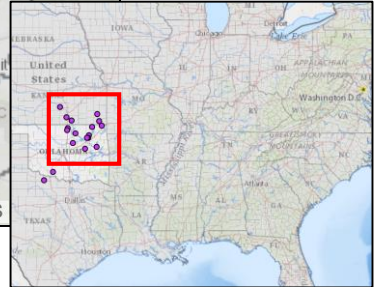
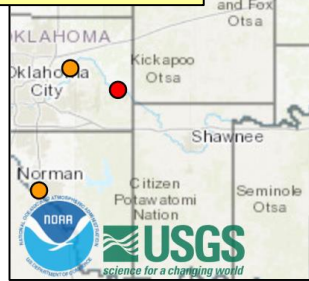
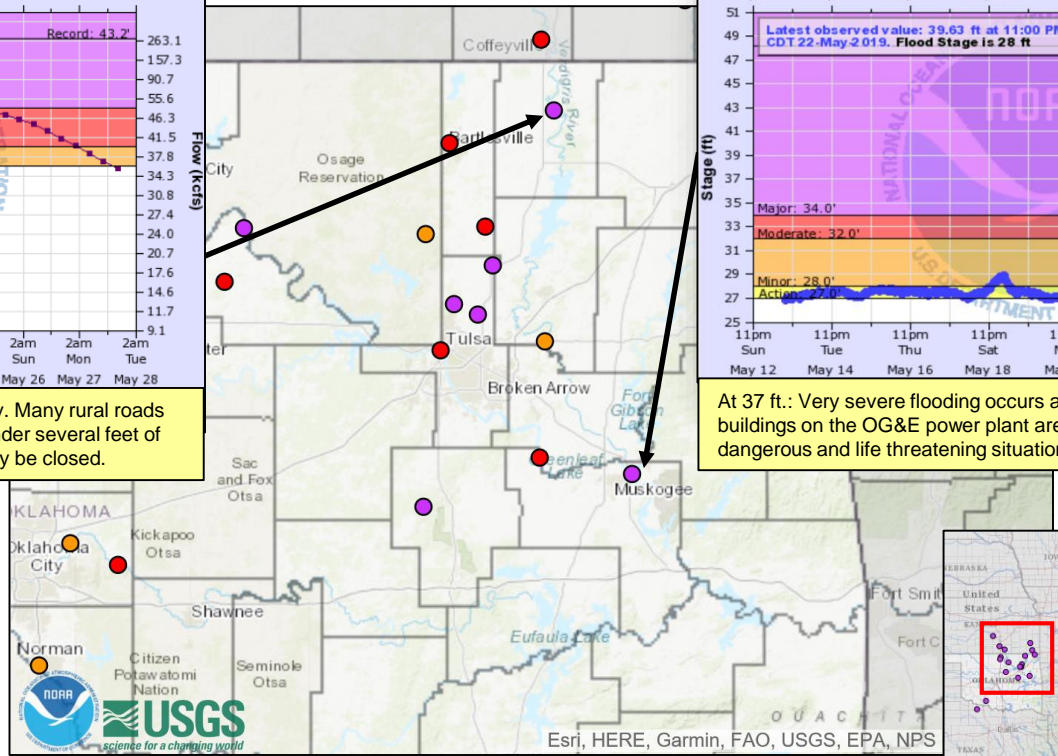
Verdigris River Basin



At 38 ft.: Extreme flooding occurs in Nowata County. Many rural roads are closed. State Highway 10 east of Lenapah is under several feet of water. Highway 169 south of the Kansas border may be closed.



At 37 ft.: Very severe flooding occurs along the River near Muskogee; buildings on the OG&E power plant are flooded. This is an extremely dangerous and life threatening situation.

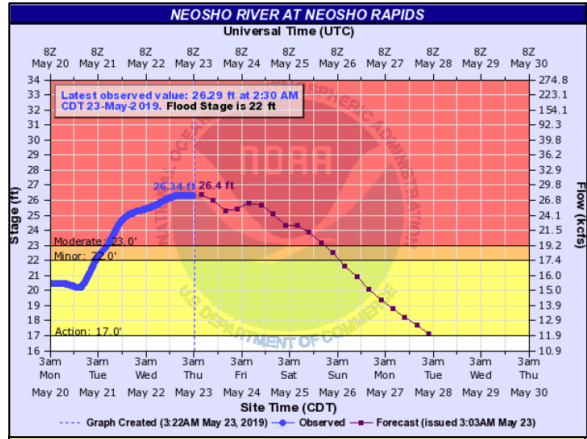


Esri, HERE, Garmin, FAO, USGS, EPA, NPS

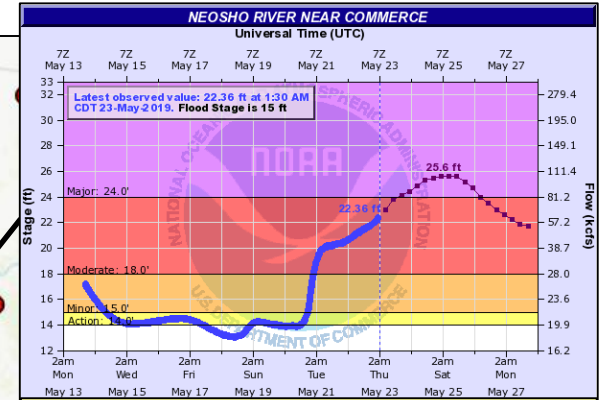
Neosho River Basin



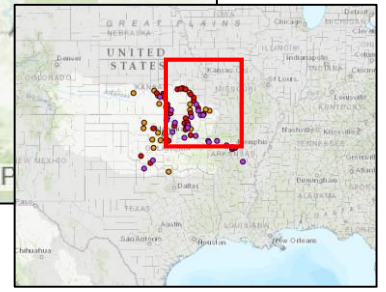
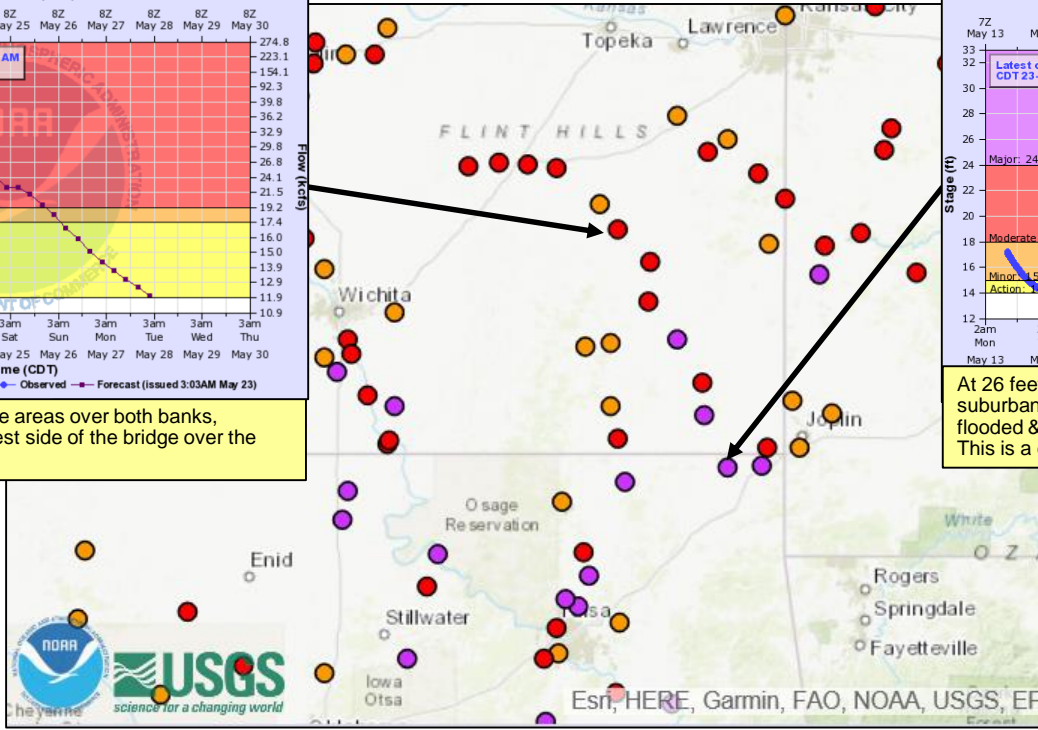
FEMA



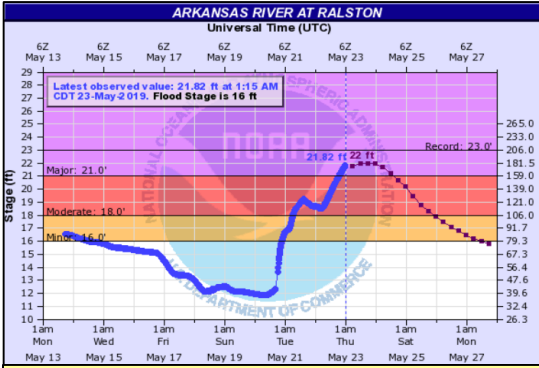
At 26 feet: Water covers large areas over both banks, overtops Road 145 on the west side of the bridge over the Neosho River



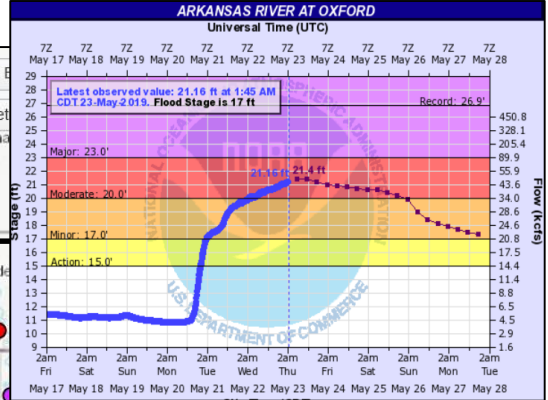
At 26 feet: widespread and damaging flooding occurs; suburban homes & businesses south of Miami may be flooded & some residential evacuation may be necessary - This is a dangerous and life threatening situation



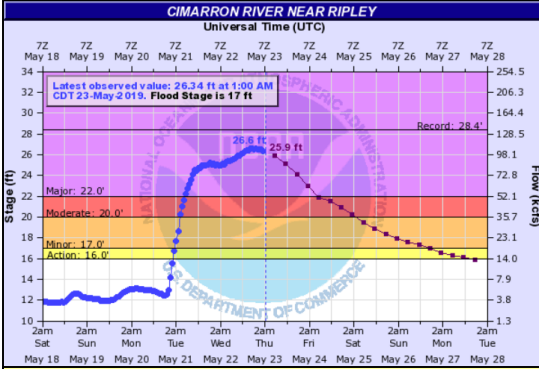
Arkansas River Basin



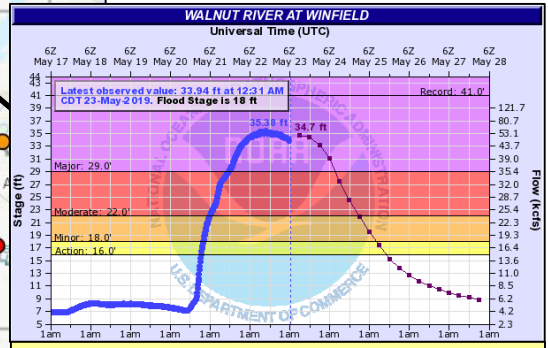
At 22 feet: Severe agricultural flooding; water levels within 2 feet of topping the Ralston sewage treatment levees



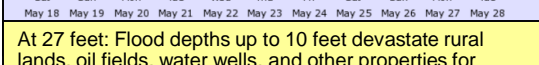
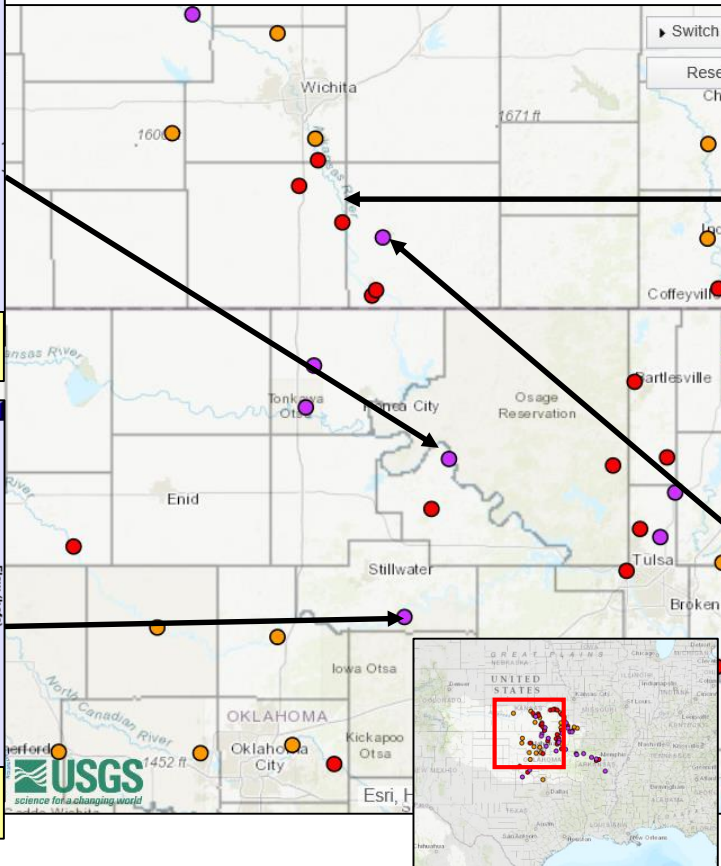
At 22.5 feet: Flood waters cover Wea Street leading east into low lying areas of the flood plain



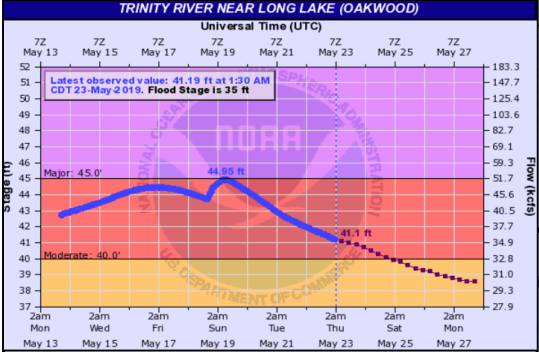
At 27 feet: Flood depths up to 10 feet devastate rural lands, oil fields, water wells, and other properties for many hours after cresting



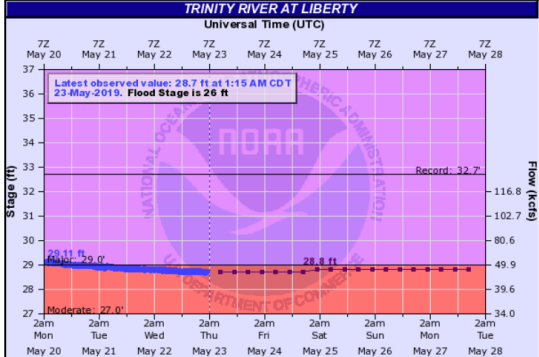
At 45 feet: The levee may become overtopped in the northern part of Winfield



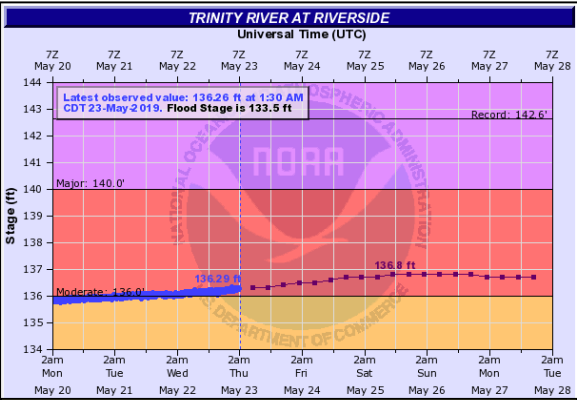
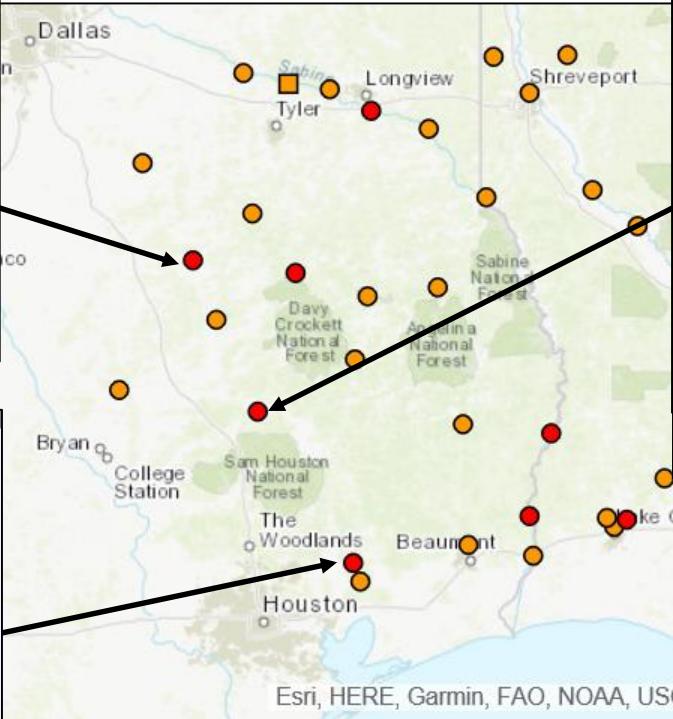
Trinity River Basin



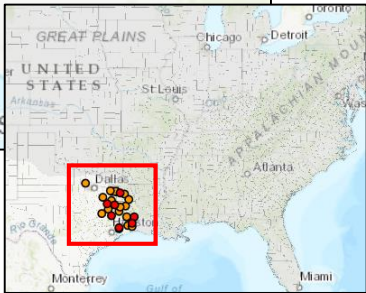
At 45 feet: Major flooding of numerous ranches and farm lands along river expected; Coffield Prison farm and ranch interests flooded



At 29 feet: Major lowland flooding begins, homes in several subdivisions begin flooding. Extensive flooding over much of Liberty County



At 136.5 feet: Approaches to the FM 3478 bridge inundated and impassable. Lowest homes in the Green Rich Shores Subdivision and roads/properties northwest of Riverside flooded with up to one half foot of water.



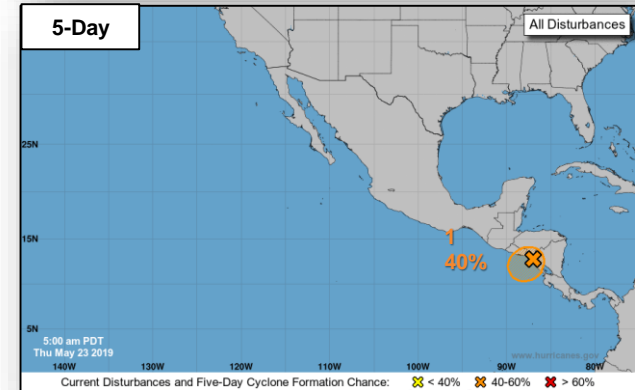
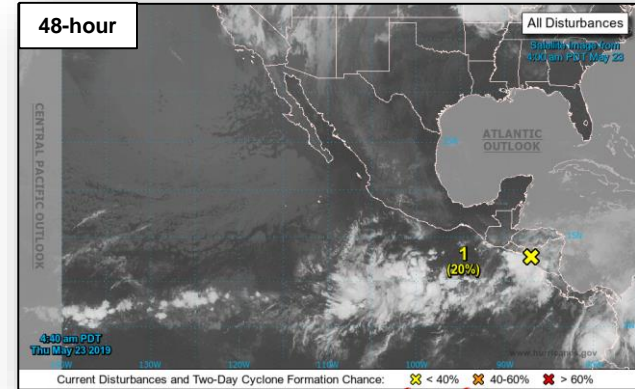
Tropical Outlook – Eastern Pacific



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Disturbance 1 (as of 5:00 a.m. EDT)

- Located just off the west coast of Nicaragua
- Some gradual development possible through the weekend
- Formation chance through 48 hours: Low (20%)
- Formation chance through 5 days: Medium (40%)
- No threat to U.S. or U.S. interests





2019 Season Outlook

5-8 Tropical Cyclones

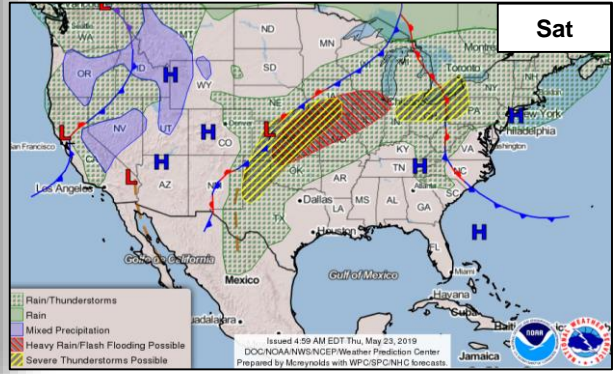
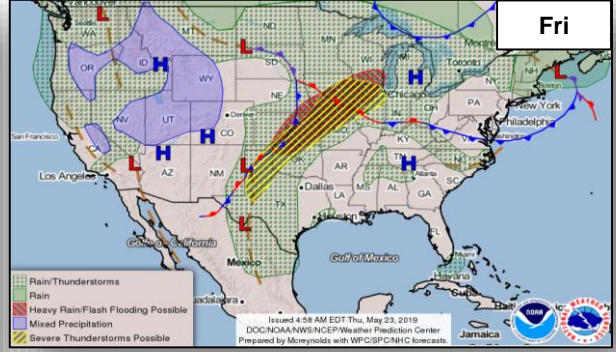
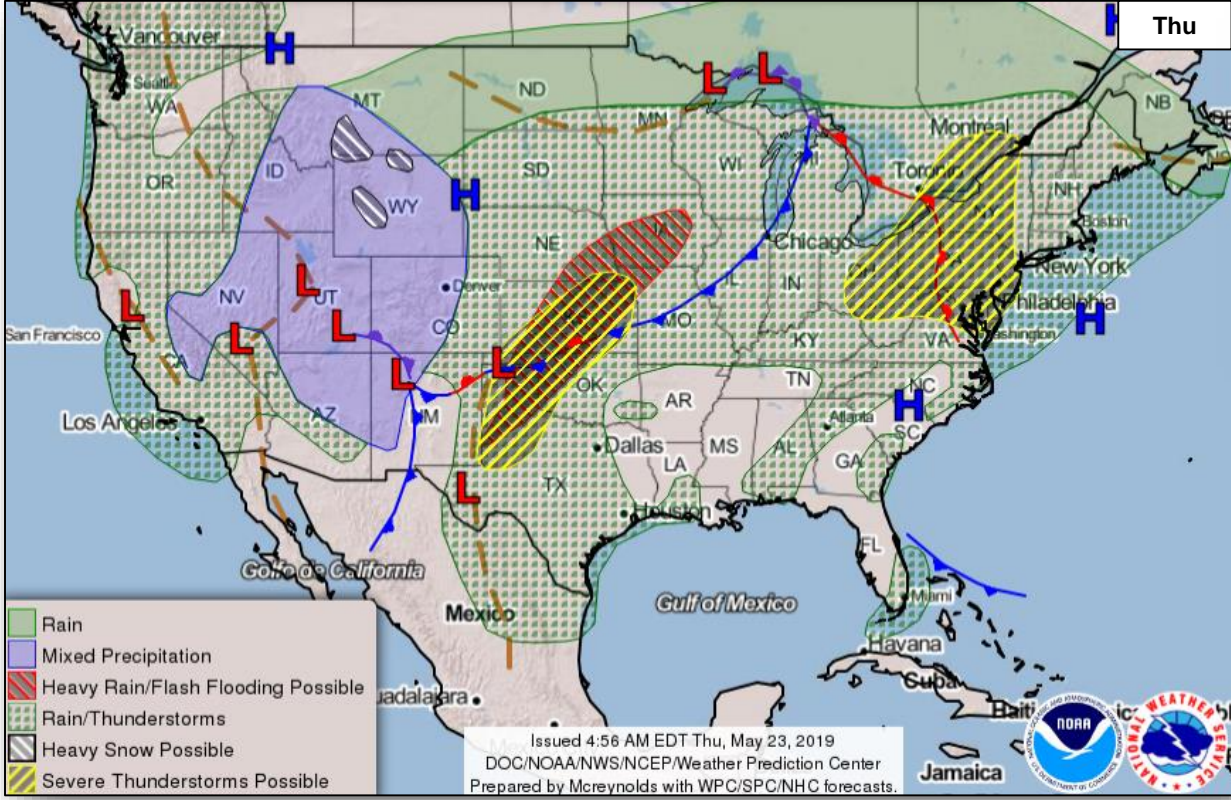
70% Above Normal Season

20% Normal Season

10% Below Normal Season

- Forecast for continued El Niño conditions
- Factors influencing tropical cyclone formation:
 - Ocean temperatures projected to remain above normal
 - Wind shear projected to remain below normal
- El Niño correlates well with above normal tropical cyclones in Central Pacific.

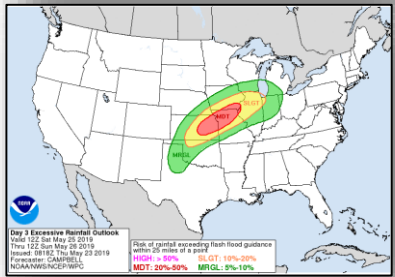
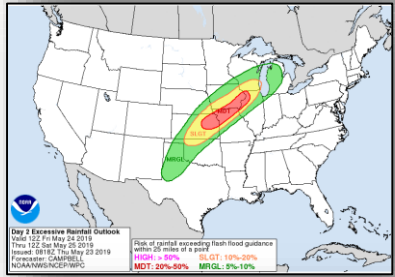
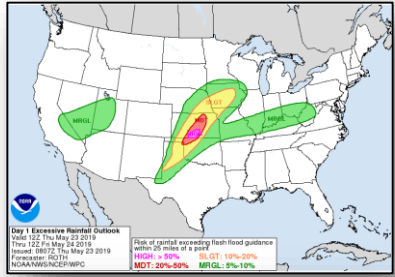
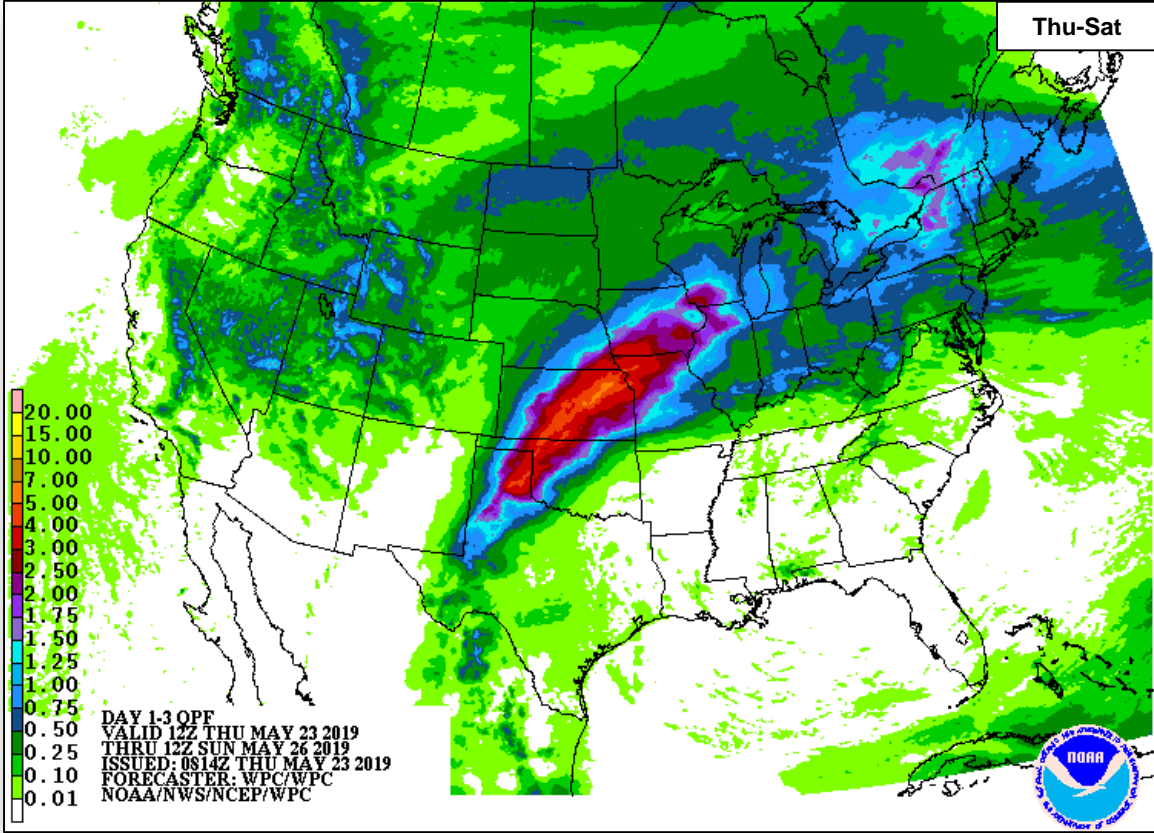
National Weather Forecast



Precipitation Forecast



FEMA



Thu

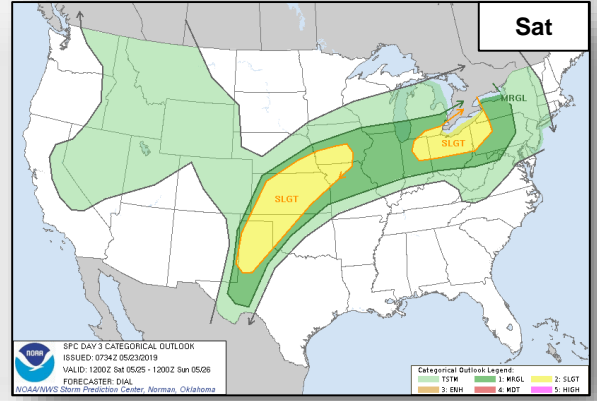
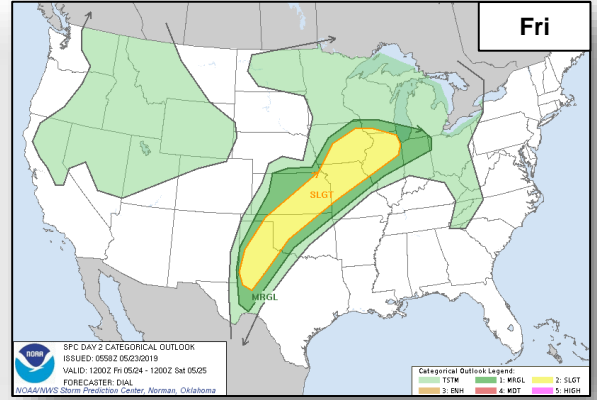
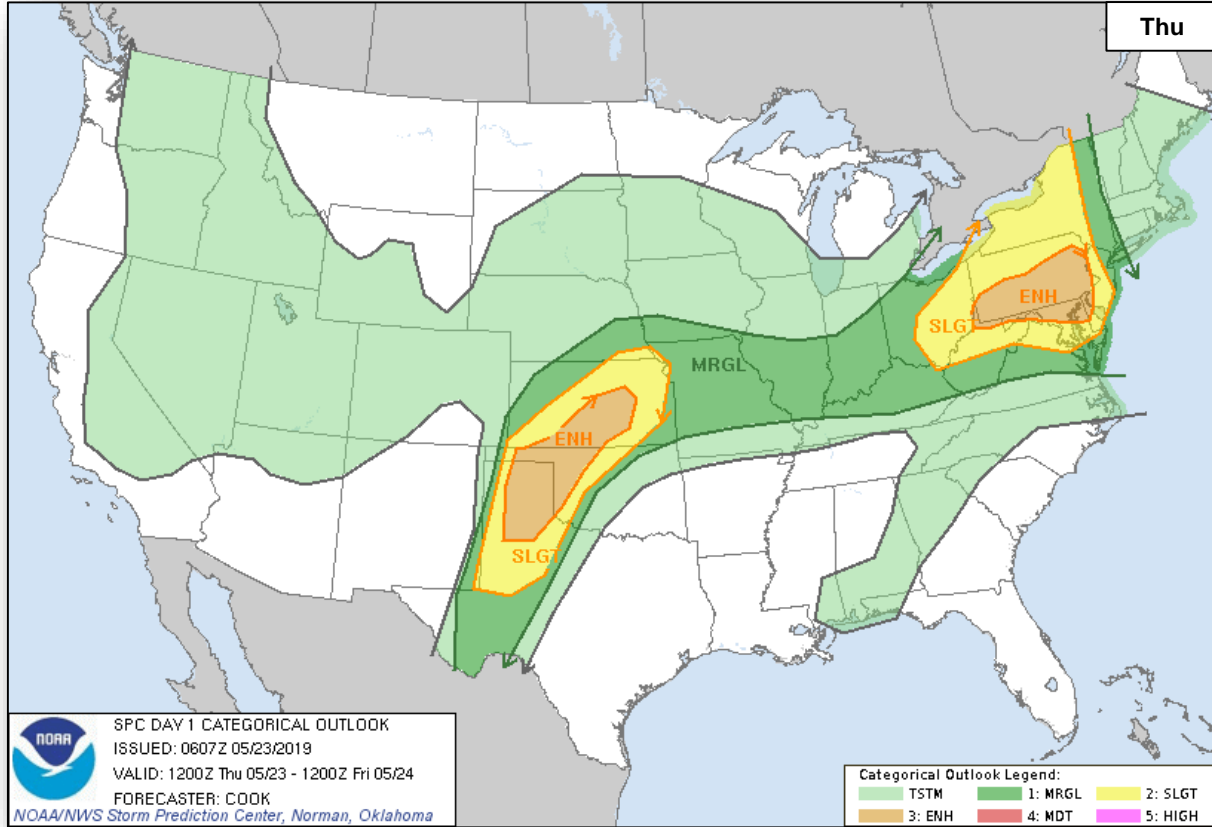
Fri

Sat

Severe Weather Outlook



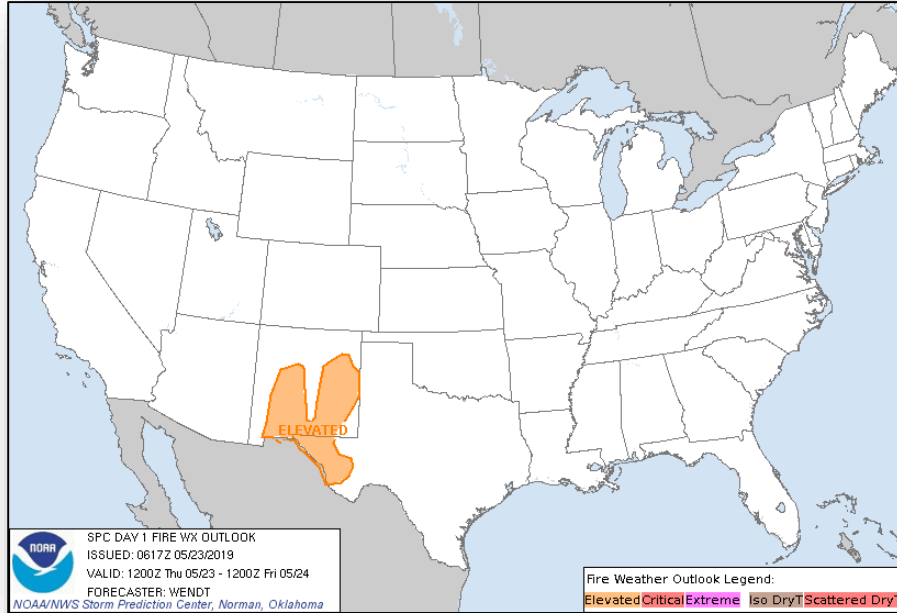
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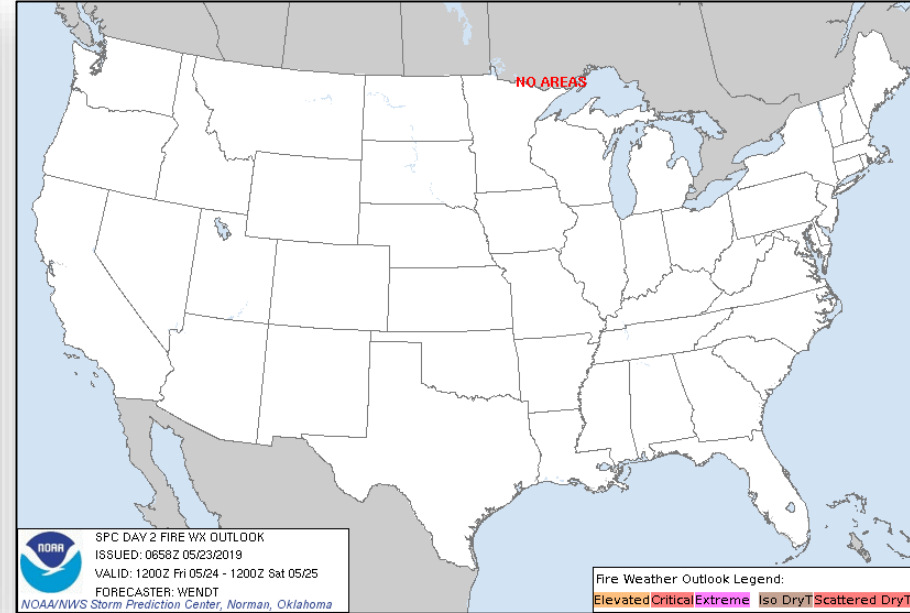
Fire Weather Outlook



FEMA



Thursday

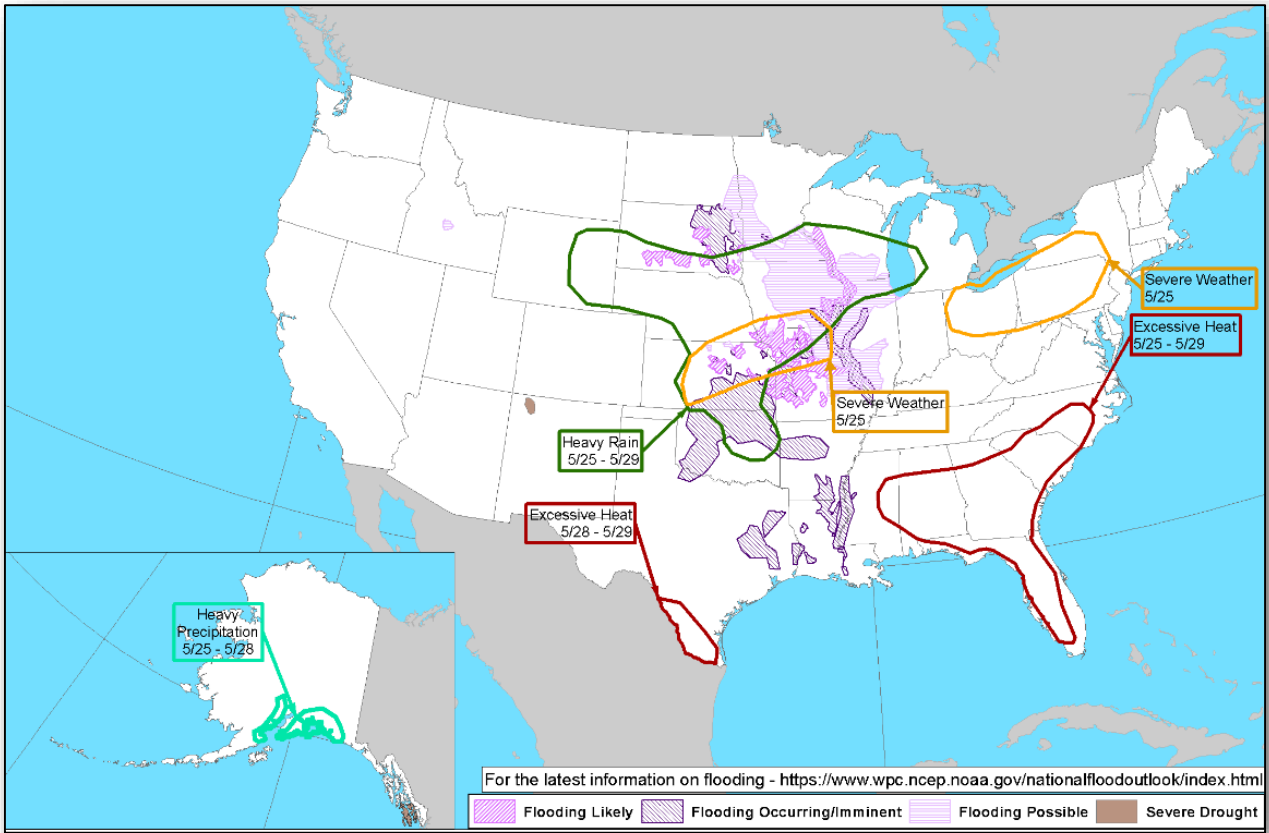


Friday

Hazards Outlook – May 25-29



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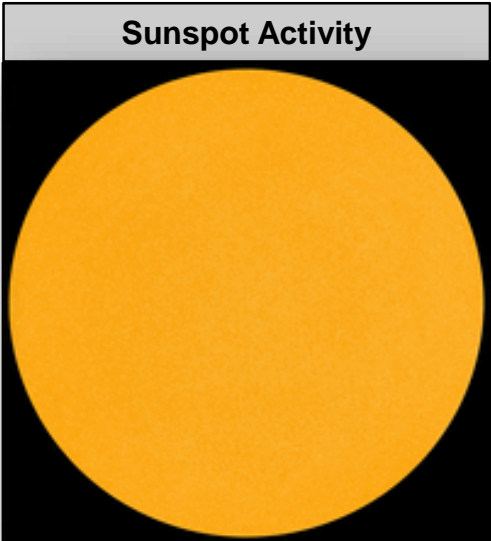
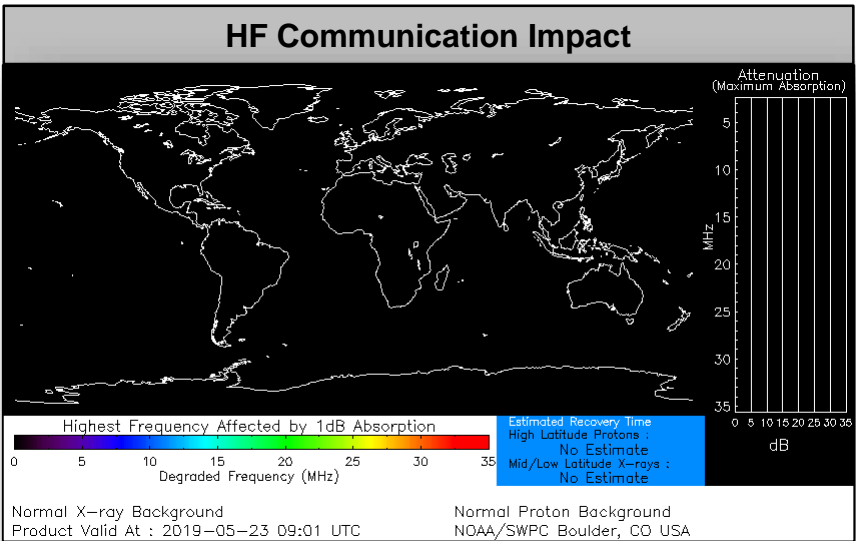
Space Weather



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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



FEMA

Region	State / Location	Event	IA/PA	Number of Counties		Start – End
				Requested	Complete	
IV	MS	Severe weather, tornadoes and flooding April 13-14, 2019	IA	0	0	N/A
			PA	8	0	5/21 – TBD
VI	OK*	<i>Severe weather April 30, 2019</i>	IA	0	0	N/A
			PA	25	9	5/16 – TBD
	TX	Severe weather May 7, 2019	IA	1	1	5/7 – 5/22
			PA	0	0	N/A
VII	PTN**	Severe storms and flooding March 13, – April 1, 2019	IA	1	1	4/18 – 5/22
			PA	1	1	4/17 – 5/9

*PDAs temporarily suspended

**Ponca Tribe of Nebraska

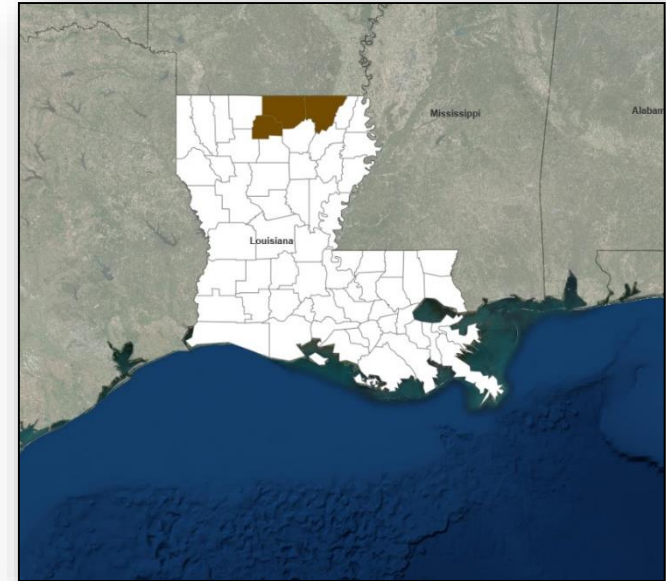
Declaration Request



FEMA

Louisiana

- The Governor requested a Major Disaster Declaration on May 21, 2019
- For severe storms and tornadoes during the period of April 24-25, 2019
- Requesting:
 - Individual and Public Assistance for Lincoln, Morehouse, and Union Parishes
 - Hazard Mitigation statewide



■ IA/PA

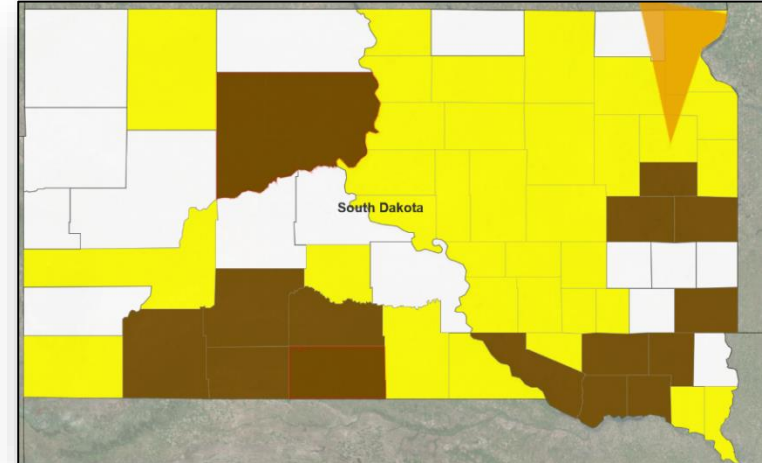
Declaration Request



FEMA

South Dakota

- The Governor requested a Major Disaster Declaration on May 21, 2019
- For snowstorm, severe winter storm and flooding during the period of March 13 to April 26, 2019
- Requesting:
 - Individual Assistance (only) for the Pine Ridge Indian Reservation
 - Public Assistance (only) for 42 counties and the Lake Traverse Indian Reservation
 - Individual and Public Assistance for 16 counties as well as the Cheyenne River, and the Rosebud Indian reservations
 - Hazard Mitigation for all areas within the state



■ IA/PA

■ Tribal Areas

Disaster Requests & Declarations



FEMA

Declaration Requests in Process					Requests APPROVED (since last report)	Requests DENIED (since last report)
3	IA	PA	HM	Date Requested	0	0
MT – DR Snowstorms and Flooding		X	X	May 9, 2019		
LA – DR Severe Storms and Tornadoes	X	X	X	May 21, 2019		
SD – DR Snowstorm, Severe Winter Storm, and Flooding	X	X	X	May 21, 2019		

Disaster Amendments



FEMA

Amendment	Date Issued	Action
Amendment No. 2 to FEMA-4429-DR-MS	May 22, 2019	Adds 4 counties for Public Assistance

FEMA Common Operating Picture

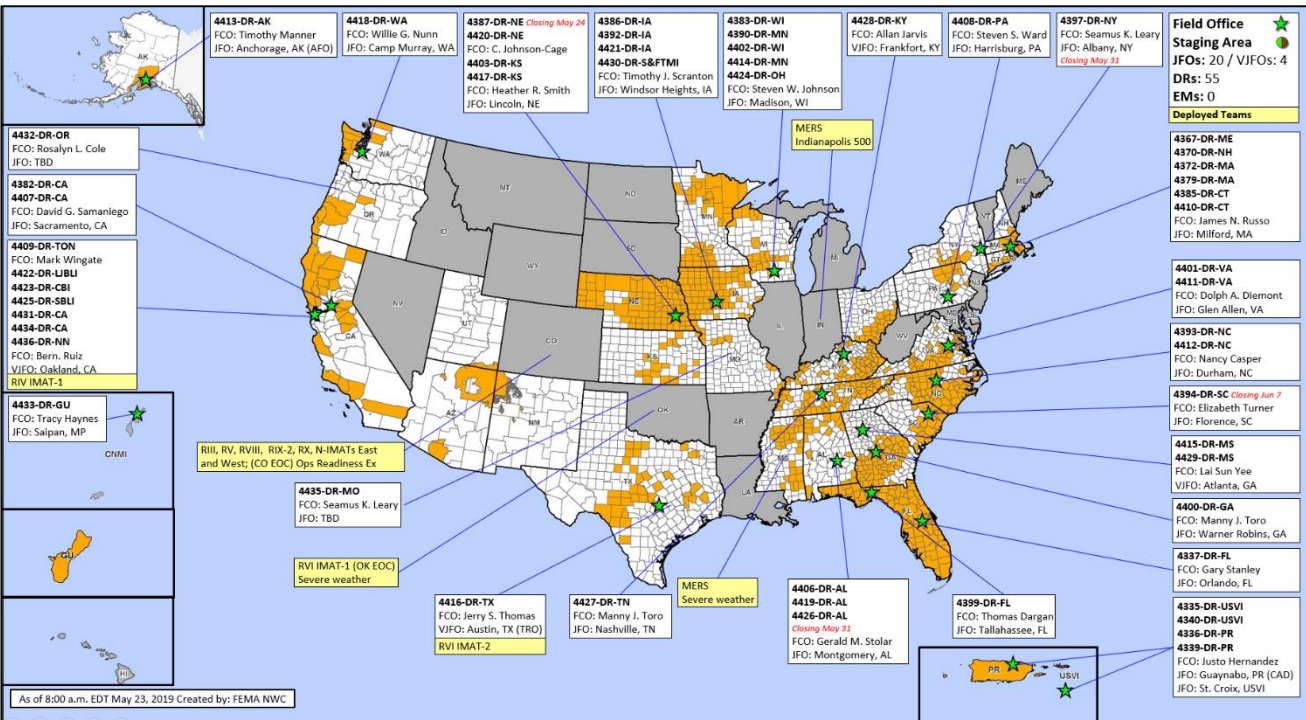


FEMA

FEMA HQ	
NWC	NRCC
Monitoring	Rostered

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

Activation Details
 R-VI: Severe Weather (day shift)
 R-VII: Jefferson City Tornado



As of 8:00 a.m. EDT May 23, 2019 Created by: FEMA NWC

N-IMATs	
3 Teams	
East	CO (EX)
West	CO (EX)
Crisis	

R-IMATs
>7 Teams

I	
II	
III	CO (EX)
IV-1	
IV-2	
V	CO (EX)
VI-1	OK
VI-2	TX
VII	
VIII	CO (EX)
IX-1	CA
IX-2	CO (EX)
X	CO (EX)

FMC	PMC
NMC	Deployed

Team:	US&R	MERS	FCOs	FDRCS	IM WORKFORCE
Status	(>66%)	(>66%)	(≤1Type 1)	(=2)	
Assigned:	28	36	29	12	13,154 ▼
Unavailable	1 (+1)	0	0	0	3,641
Deployed:	0	1	25	10	5,707 ▲
Available:	27 (-1)	35	4	2	3,806/28% ▼

IM CADRE AVAILABILITY SUMMARY	
Cadres with 25% or Less Availability	
EA 25% (126/509); EHP 7% (34/487); ER 3% (2/60); FL 17% (28/166); HM 19% (205/1,106); IT 24% (158/652); LOG 19% (253/1,313); NDRS 25% (69/273); OPS 22% (56/259); PA-NEW 6% (150/2,424); PLAN 18% (66/376); SAF 8% (4/53); SEC 15% (19/123)	



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

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