



# **FEMA**

## **Daily Operations Briefing**

**Saturday, April 19, 2014**

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

# Significant Activity: Apr 18 - 19



## **Significant Events:**

- M 5.6 Earthquake – Noatak, Alaska
- M 7.2 Earthquake – Guerrero, Mexico
- M 6.6 Earthquake – Panguna, Papua New Guinea
- Mudslide Recovery – Snohomish County, WA

## **Significant Weather:**

- Heavy rain & flash flooding possible across the coastal Carolinas
- Freezing rain possible – far northeast Minnesota
- Rain and thunderstorms – Southern Rockies/Plains through the Central Rockies/Plains
- Red Flag Warnings: None
- Elevated/Critical Fire Weather Areas: None Space Weather: Moderate space weather past 24 hours; Minor space weather predicted next 24 hours

**FEMA Readiness:** No significant changes

# Significant Earthquake – Alaska



Estimated Population Exposure to Earthquake Shaking									
Estimated Modified Mercalli Intensity	I	II-III	IV	V	VI	VII	VIII	IX	X
Ext. Population Exposure	—	Sk*	Lk	Lk	Lk	Lk	Lk	Lk	Lk
Perceived Shaking	Not Felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
Potential Structure Damage	Resistant	none	none	V.Light	Light	Moderate	Moderate/Heavy	Heavy	V.Heavy
	Vulnerable	none	none	none	Light	Moderate	Moderate/Heavy	Heavy	V.Heavy

## M 5.6 – Noatak, Alaska

- At 2:44 p.m. EDT, April 18, 2014
  - 14 miles ENE of Noatak, Alaska
  - 455 miles WNW of Fairbanks, Alaska
  - Depth of 14 miles
  - Followed by a M 4.7 aftershock the morning of April 19
- No reports of damage/injuries
- No tsunami generated
- USGS issued a Green PAGER alert, indicating:
  - Low likelihood of shaking-related fatalities or injuries
  - 1k residents exposed to Light shaking (MMI: IV)

# Significant Earthquake – Mexico

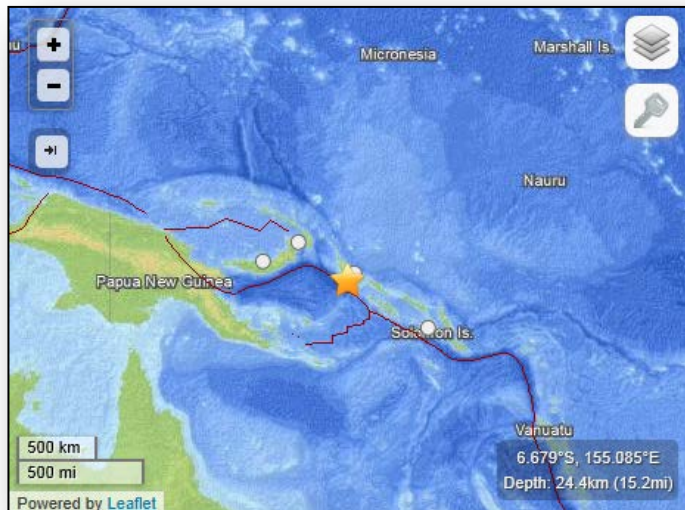


## M 7.2 – Guerrero, Mexico

- At 10:27 a.m. EDT, April 18, 2014
  - 164 miles SW of Mexico City, Mexico
  - Depth – 14.9 miles
- No reports of major damage/injuries
- No tsunami was generated
- USGS issued a Yellow PAGER alert, indicating:
  - 41k residents exposed to Very Strong shaking (MMI: VI)
  - Some casualties/damage possible
  - Impacts should be relatively localized

Estimated Modified Mercalli Intensity		I	II-III	IV	V	VI	VII	VIII	IX	X
Est. Population Exposure		~*	2,837k*	39,297k	1,940k	439k	41k	0k	0k	0k
Perceived Shaking		Not Felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
Potential Structure Damage	Resistant	none	none	none	V/Light	Light	Moderate	Moderate/Heavy	Heavy	V Heavy
	Vulnerable	none	none	none	Light	Moderate	Moderate/Heavy	Heavy	V Heavy	V Heavy

# Significant Earthquake – Papua New Guinea



## M 6.6 – Panguna, Papua New Guinea

- Occurred 9:04 p.m. EDT, April 18, 2014
  - 37 miles SW of Panguna, New Guinea
  - Depth of 15 miles
- No reports of damage/injuries
- No tsunami generated
- USGS issued a Green PAGER alert, indicating:
  - 22k residents exposed to Strong shaking (MMI: VI)
  - Low likelihood of shaking-related fatalities or injuries

Estimated <a href="#">Modified Mercalli</a> Intensity		I	II-III	IV	V	VI	VII	VIII	IX	X
Est. Population Exposure		~	294k*	141k	82k	22k	0k	0k	0k	0k
Perceived Shaking		Not Felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
Potential Structure Damage	Resistant	none	none	none	V.Light	Light	Moderate	Moderate/Heavy	Heavy	V.Heavy
	Vulnerable	none	none	none	Light	Moderate	Moderate/Heavy	Heavy	V.Heavy	V.Heavy

# Mudslide Recovery - Washington



**March 22, 2014**

- Large mudslide occurred in Snohomish County (*pop. 745,913*) near town of Oso (*pop. 180*)
- US Forest IMT and FEMA IST are working with the County on a transition plan

## **Impacts**

- 39 confirmed fatalities; 4 people remain missing and/or unaccounted for
- 43 structures affected; 37 destroyed and 6 damaged

## **State/Local**

- Governor declared State of Emergency
- WA State & Snohomish County EOCs remain activated
- US&R WA TF-1 deployed as a state asset
- 189 (+2) National Guard supporting operations
- Red Cross has transitioned services to Family Care Centers to support teams

## **Federal**

- Major Disaster Declaration FEMA-4168-DR approved April 2, 2014
- Three (DRCs) open; JFO operational in Everett, WA
- ▲ US&R IST Blue & WA TF-1 preparing for demobilization
  - ▲ 10 members will remain onsite through April 23, 2014
  - ▲ 2 (-2) Canine Search Teams will remain deployed until 4/23,
- Region X RRCC remains at Watch/Steady State; IMAT deployed; LNO deployed to WA SEOC



<http://snohomishcountywa.gov/2356/Photos>

# Disaster Requests & Declarations



Declaration Requests in Process		Requests APPROVED (since last report)	Requests DENIED (since last report)
1	Date Requested	0	0
IN – DR (Appeal) Severe Winter Storm	April 8, 2014		



# Joint Preliminary Damage Assessments

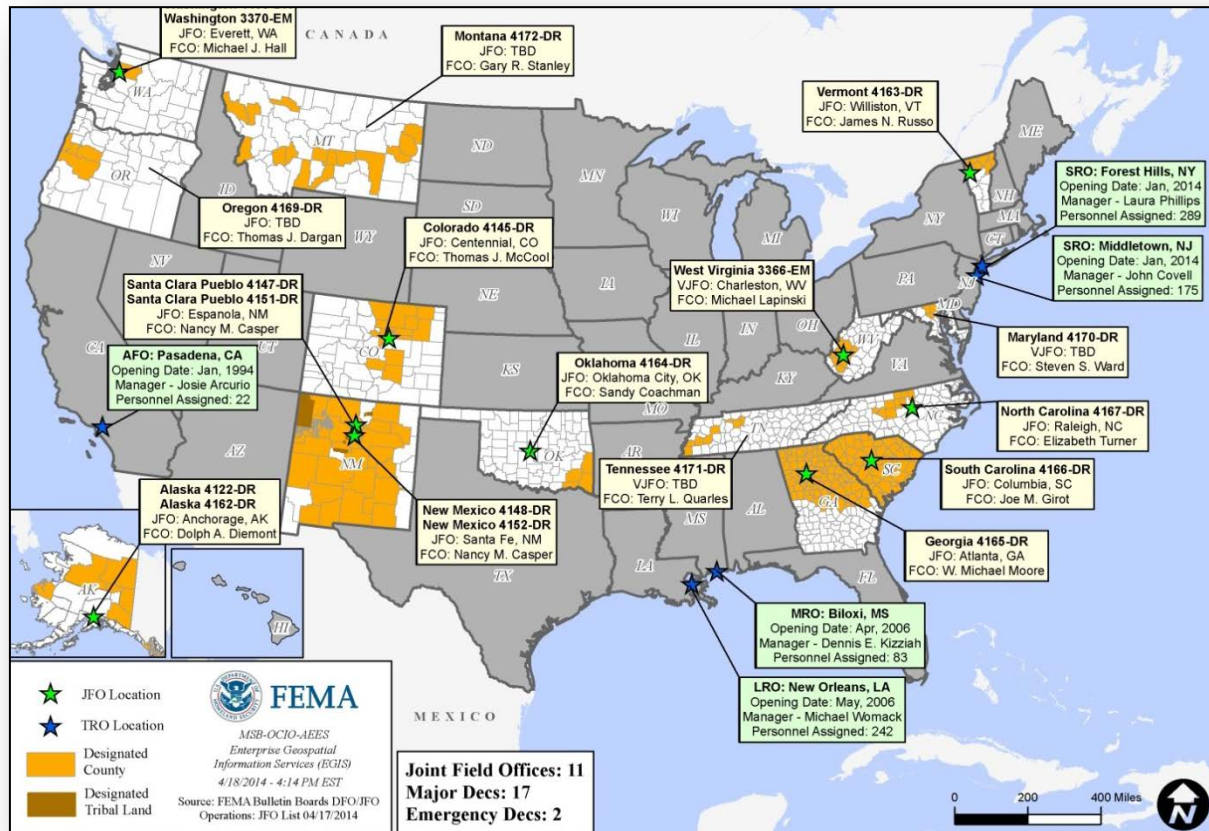
Region	State / Location	Event	IA/PA	Number of Counties		Start – End
				Requested	Complete	
X	WA	Mudslide March 22, 2014	IA	1	1	3/22 – 3/26
			PA	1	0	3/22 - TBD



# Open Field Offices as of April 19, 2014



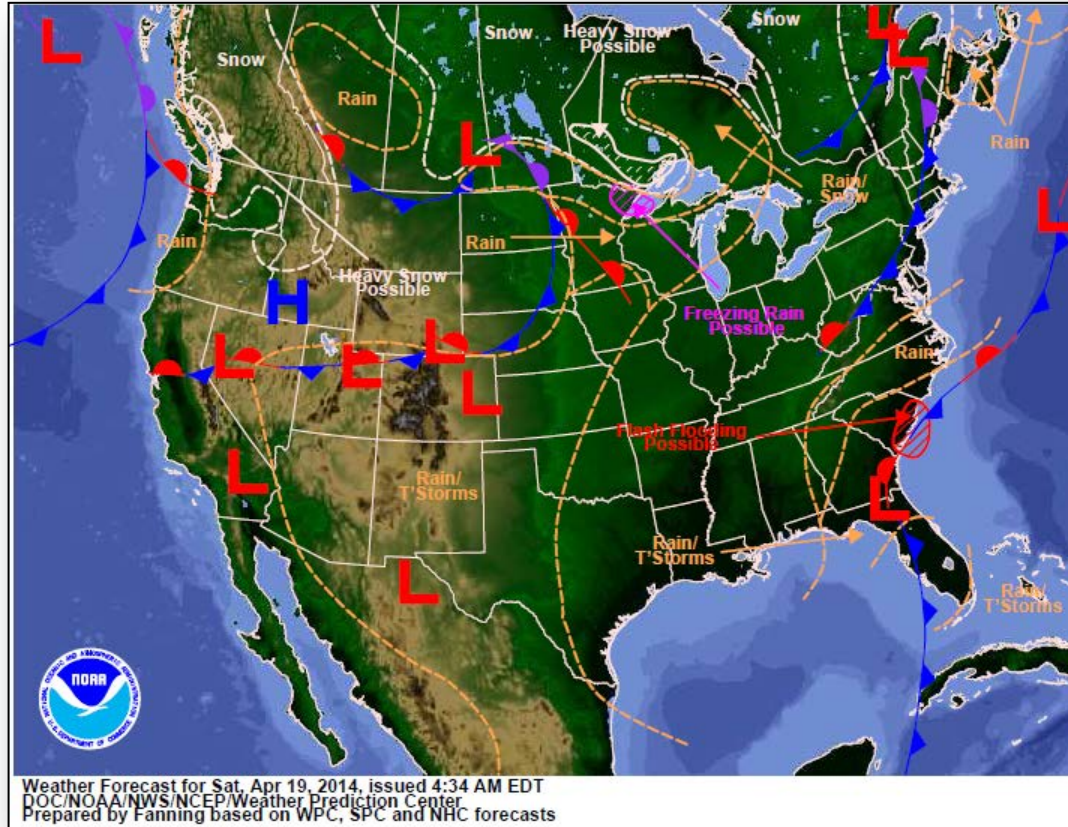
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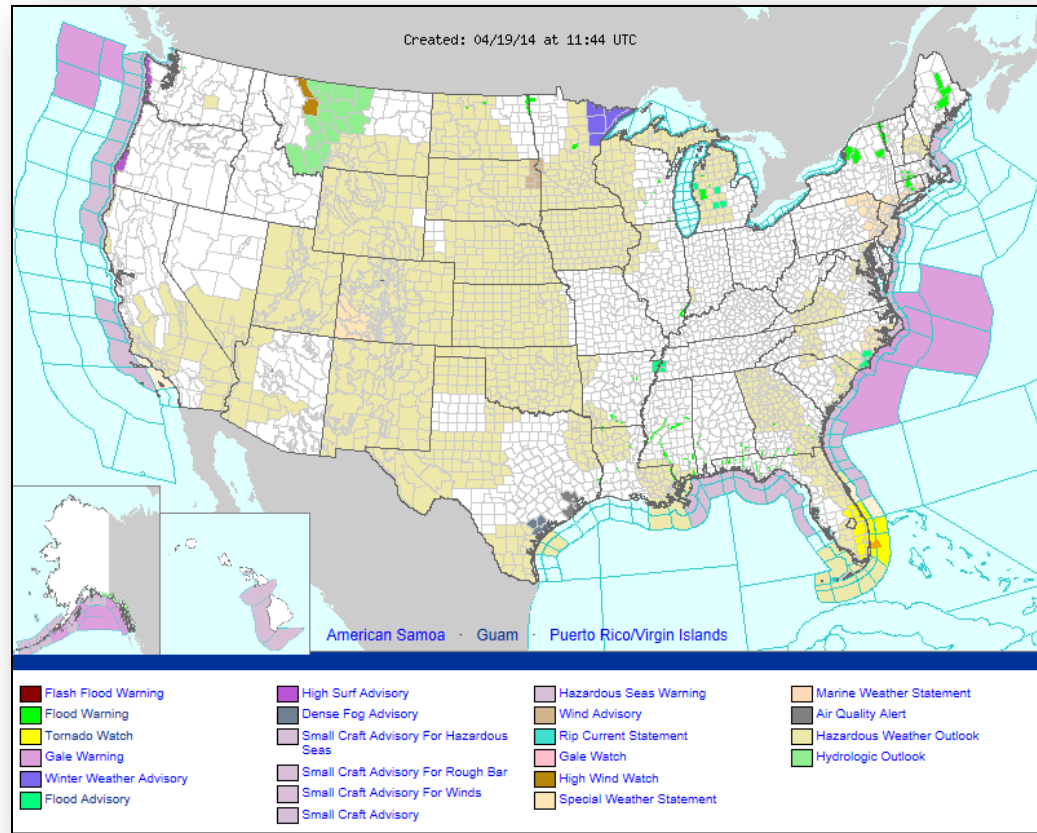
# National Weather Forecast



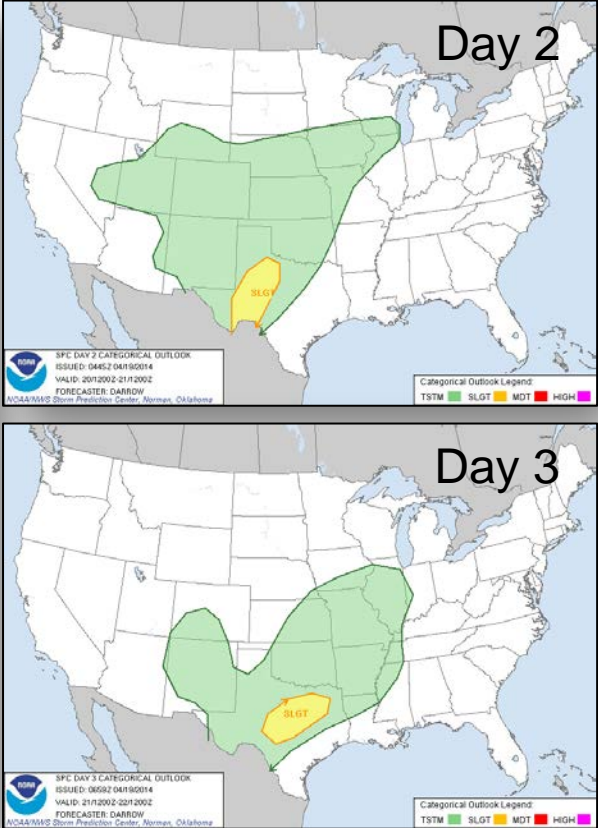
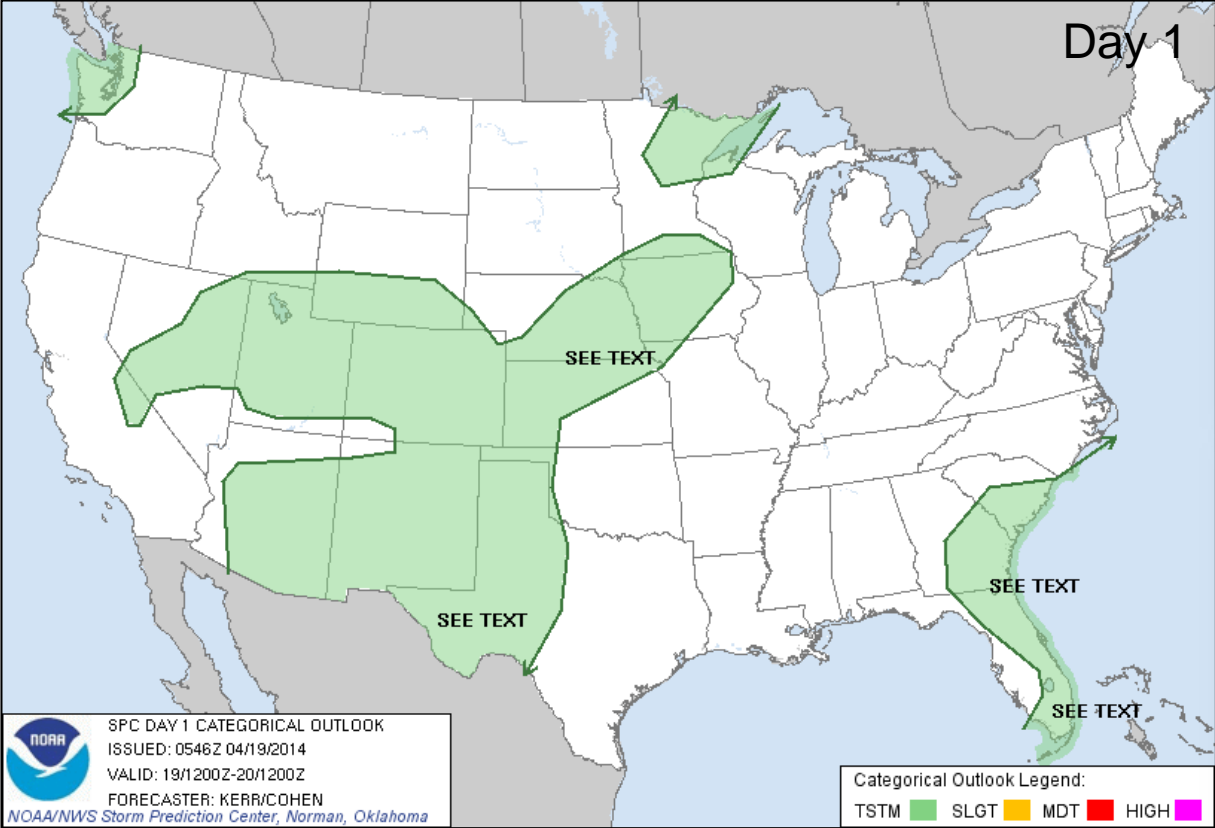
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# Active Watches/Warnings

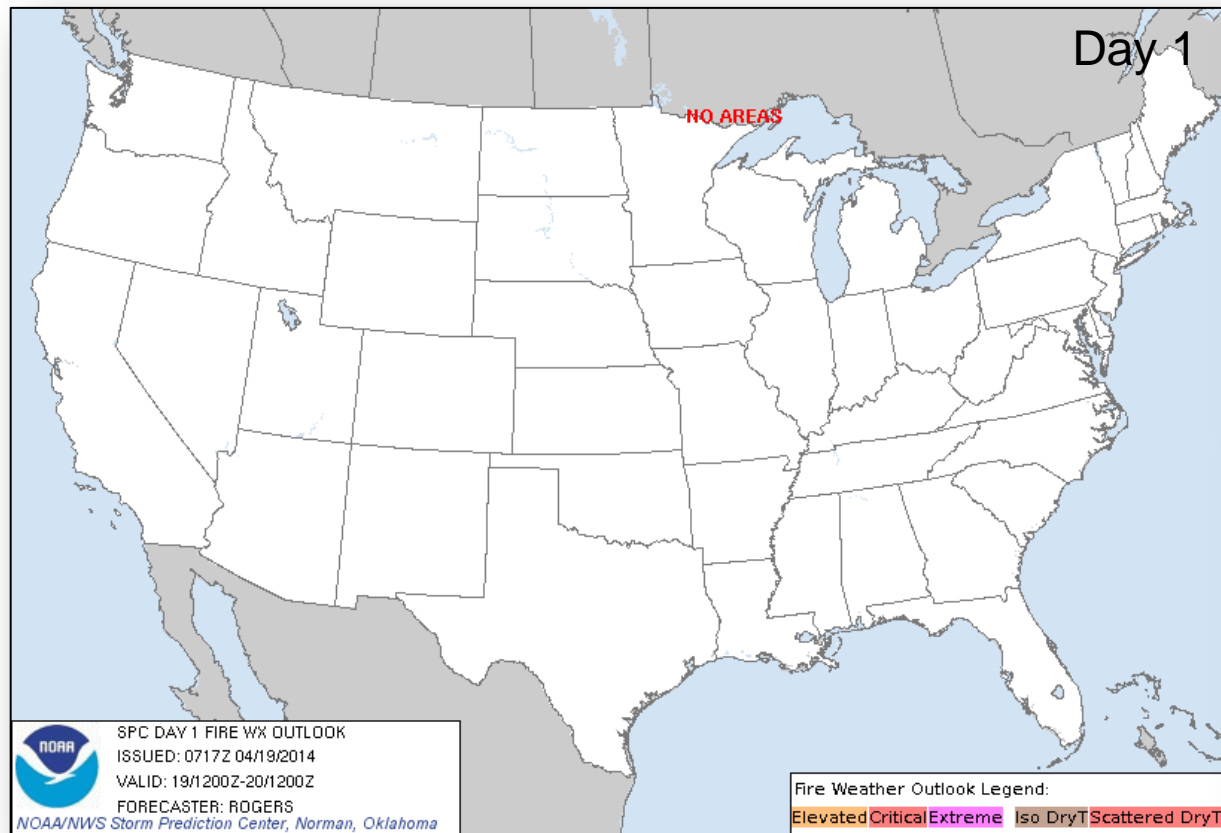


# Convective Outlook – 3 Day





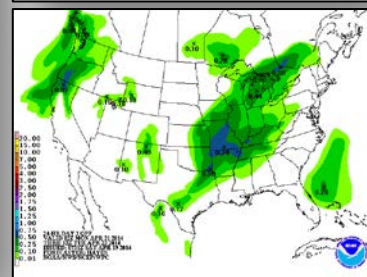
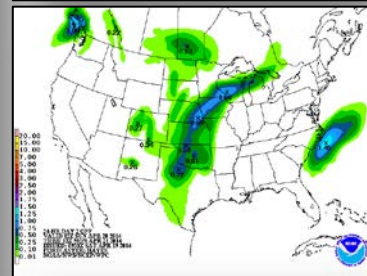
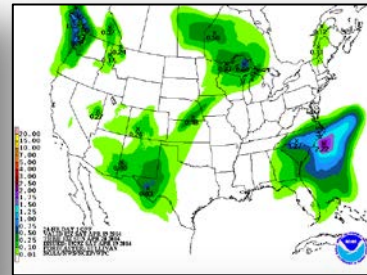
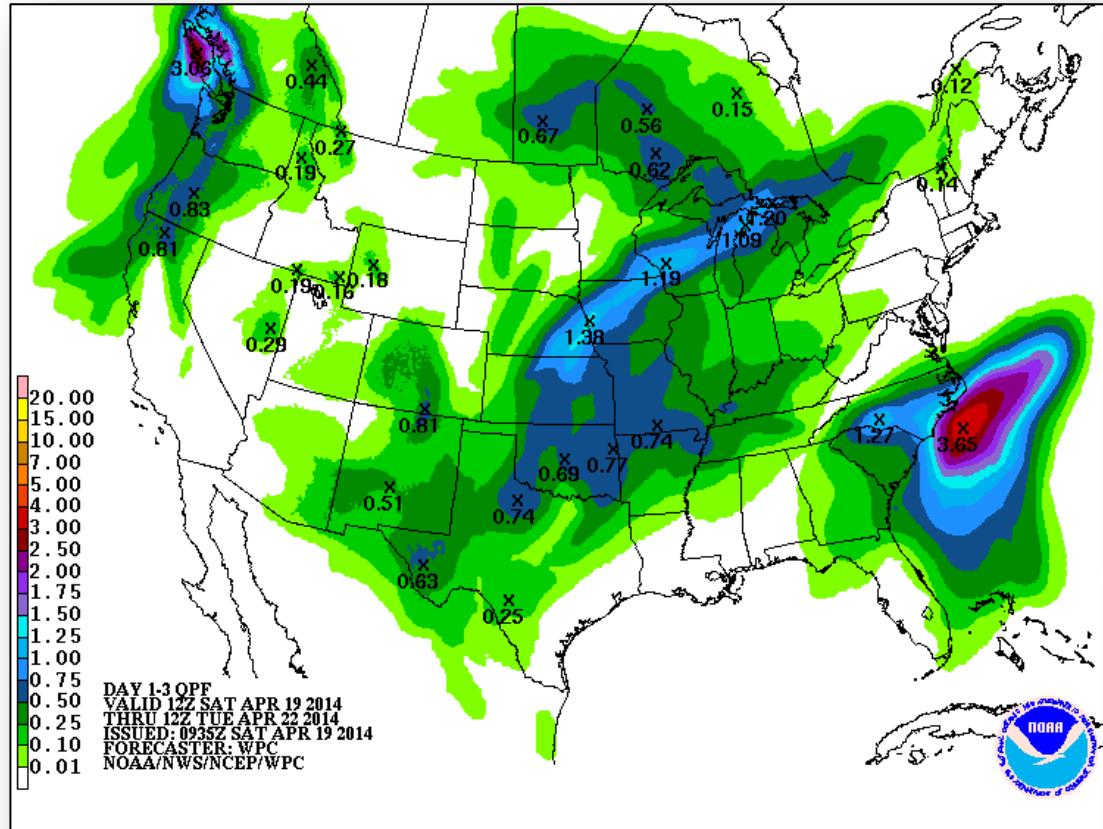
# Critical Fire Weather Areas, Days 1 – 8



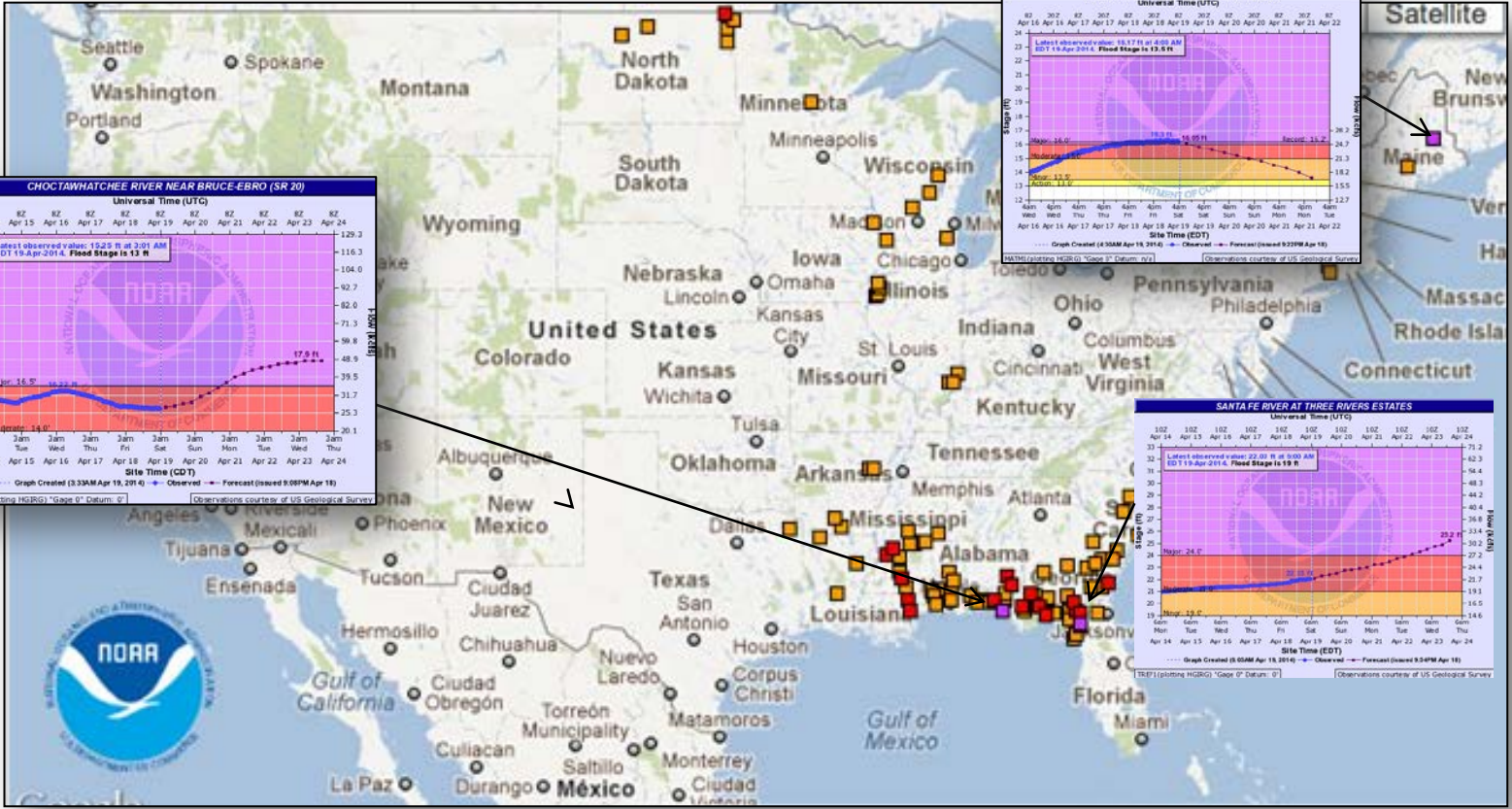
# Precipitation Forecast – 3 Day



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# River Forecast







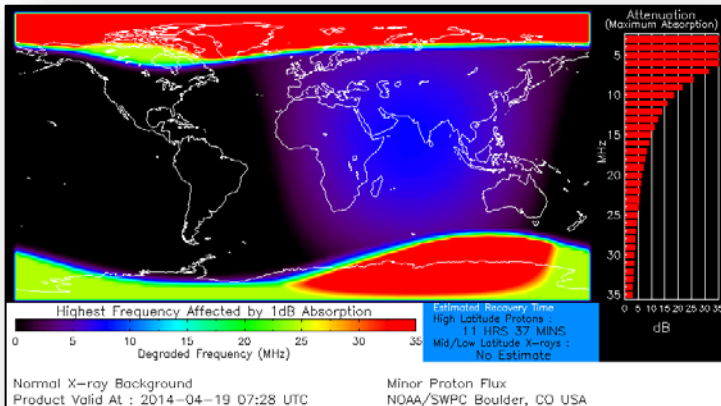
# Space Weather



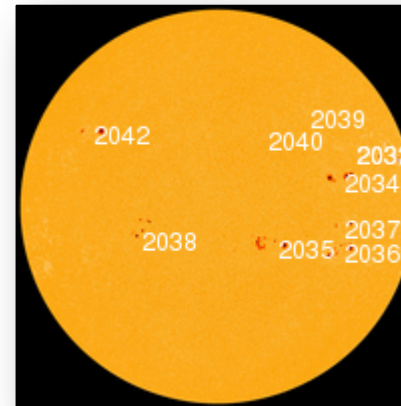
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NOAA Scales Activity (Range: 1/minor to 5/extreme)	Past 24 Hours	Current	Next 24 Hours
Space Weather Activity:	Moderate	Minor	Minor
• Geomagnetic Storms	None	None	G1
• Solar Radiation Storms	S1	S1	S1
• Radio Blackouts	R2	None	R1

## HF Communication Impact



## Sunspot Activity



# FEMA Readiness – Deployable Teams/Assets



Deployable Teams/Assets									
Resource	Status	Total	Available		Partially Available	Not Available	Deployed Activated	Comments	Rating Criterion
FCO		39	17	53%	0	5	16		OFDC Readiness: FCO    Green    Yellow    Red Type 1   3+            2            1 Type 2   4+            3            2 Type 3   4              3            2 FDRC    3            2            1
FDRC		9	6	56%	0	0	3		
US&R		28	26	92%	1	1	0	<ul style="list-style-type: none"> <li>NM-TF1 (Yellow – Conditional)</li> <li>IST Blue deployed to WA</li> <li>WA-TF1 (Red-deployed to WA as state asset)</li> </ul>	<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	<ul style="list-style-type: none"> <li>IMAT West deployed to WA for mudslide</li> </ul>	<ul style="list-style-type: none"> <li>Green: 3 avail</li> <li>Yellow: 1 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	7	54%	0	2	4	<ul style="list-style-type: none"> <li>Region IV deployed to NC &amp; SC</li> <li>Region VI deployed to OK</li> <li>Region X deployed to WA</li> <li><u>Not Mission Capable:</u></li> <li>Region V: Personnel shortages</li> <li>Region VII: Personnel/equipment shortages</li> </ul>	<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> <li><i>R-IMAT also red if TL Ops/Log Chief is unavailable and has no qualified replacement.</i></li> </ul>
MCOV		55	50	91%	0	2	3	<ul style="list-style-type: none"> <li>2 not available – maintenance</li> <li>3 deployed to WA for mudslide</li> </ul>	<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>

# FEMA Readiness – National/Regional Teams



National/Regional Teams									
Resource	Status	Total	Available		Partially Available	Not Available	Deployed/ Activated	Comments	Rating Criterion
NWC		5	5	100%	0	0	24/7		<ul style="list-style-type: none"><li>• Green = FMC</li><li>• Yellow = PMC</li><li>• Red = NMC</li></ul>
NRCC		2	356	93%	0	26	Not Activated		
HLT		1	1	100%	0	0	Not Activated		
DEST							Not Activated		
RRCCs		10	10	100%	0	0	Not Activated		
RWCs/MOCs		10	10	100%	0	0	24/7		



# 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.**