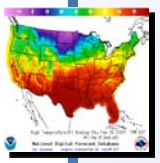
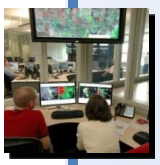
National Weather Service

Protecting Lives and Property





Mississippi River Basin Drainage River Flood Outlook

Interagency Recovery Task Force

Regional Flood Risk Management Workshop

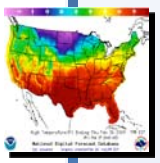
February 22-23, 2012

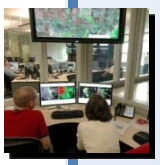
Agenda

- Recent Weather, Snowpack and River Conditions
- Weather Outlook
- River Outlook
- Questions

National Weather Service

Protecting Lives and Property





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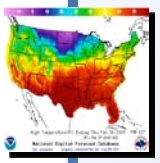
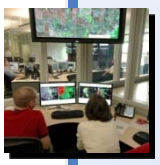
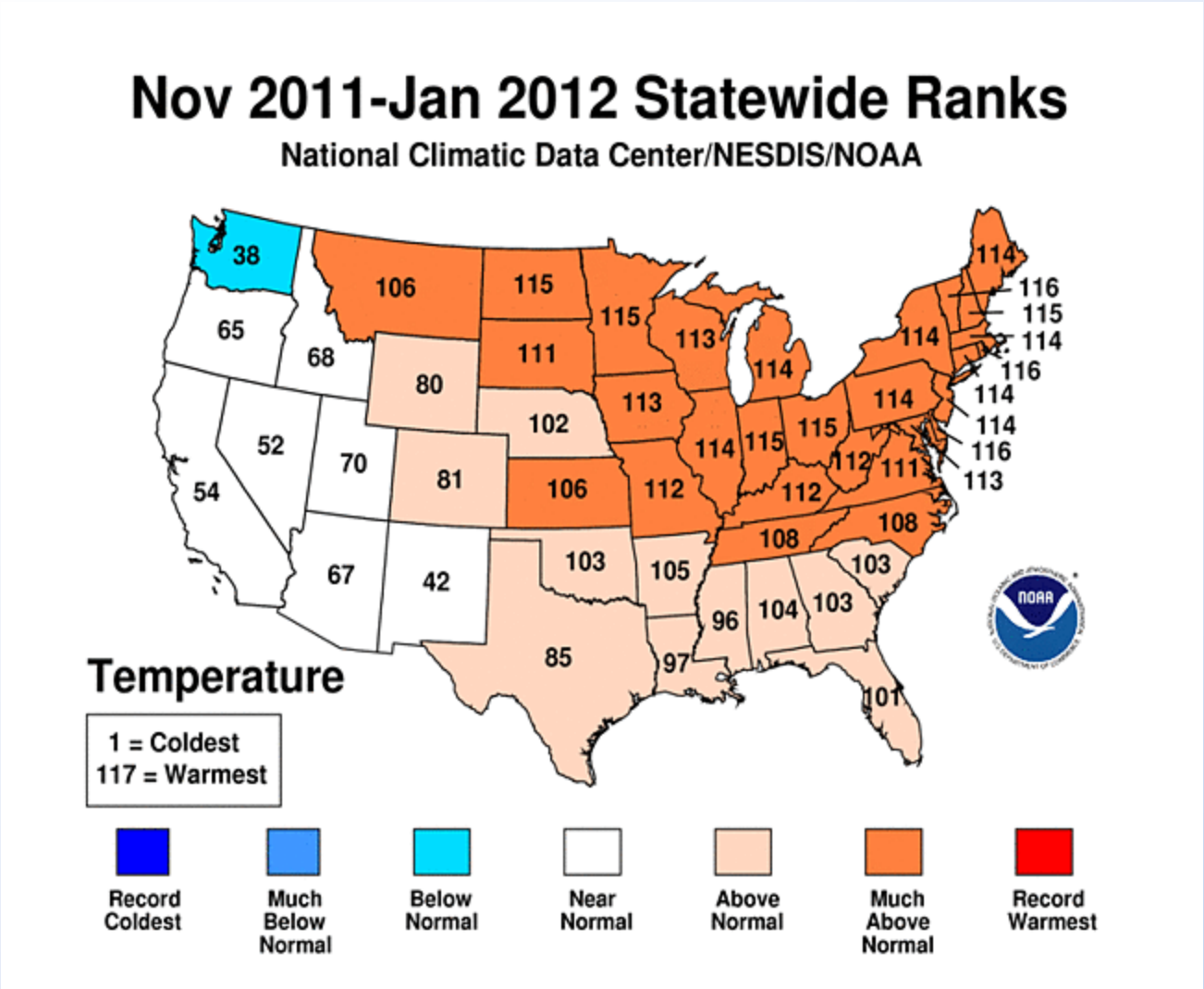
Recent Weather, Snowpack and River Conditions





Nov.-Jan. Temperatures



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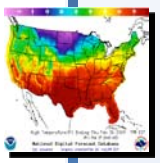
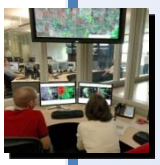
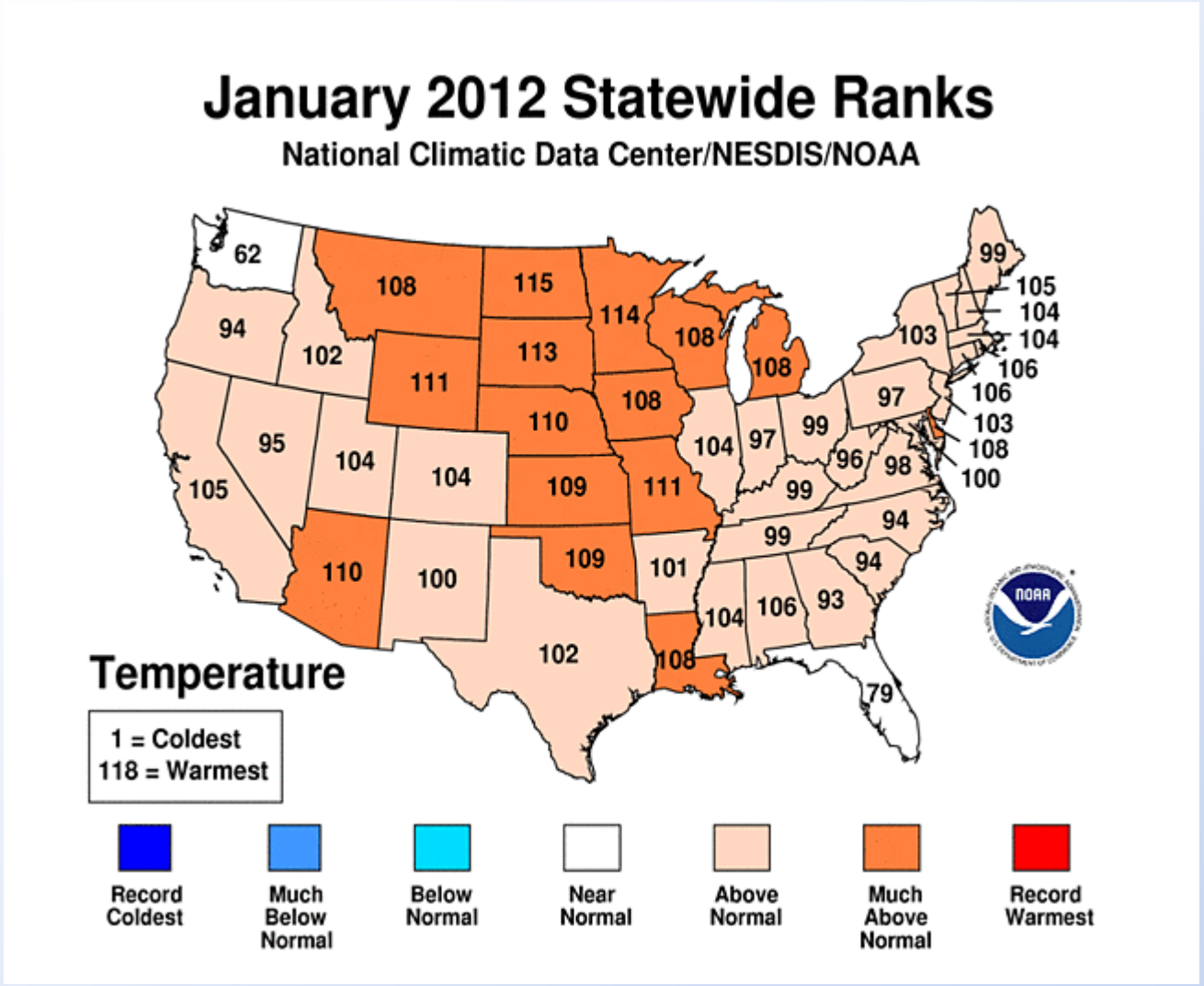




January Temperatures



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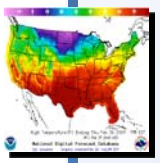
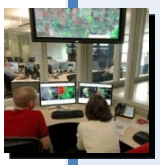
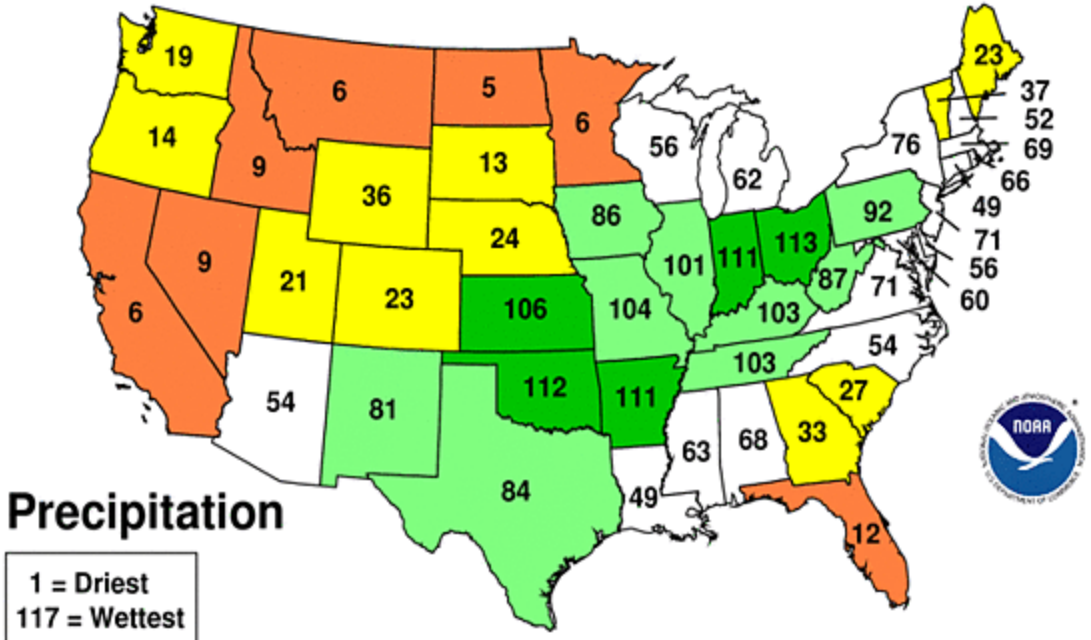




Nov.-Jan. Precipitation



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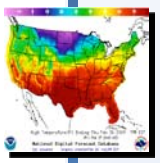
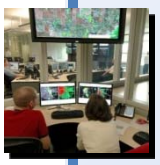
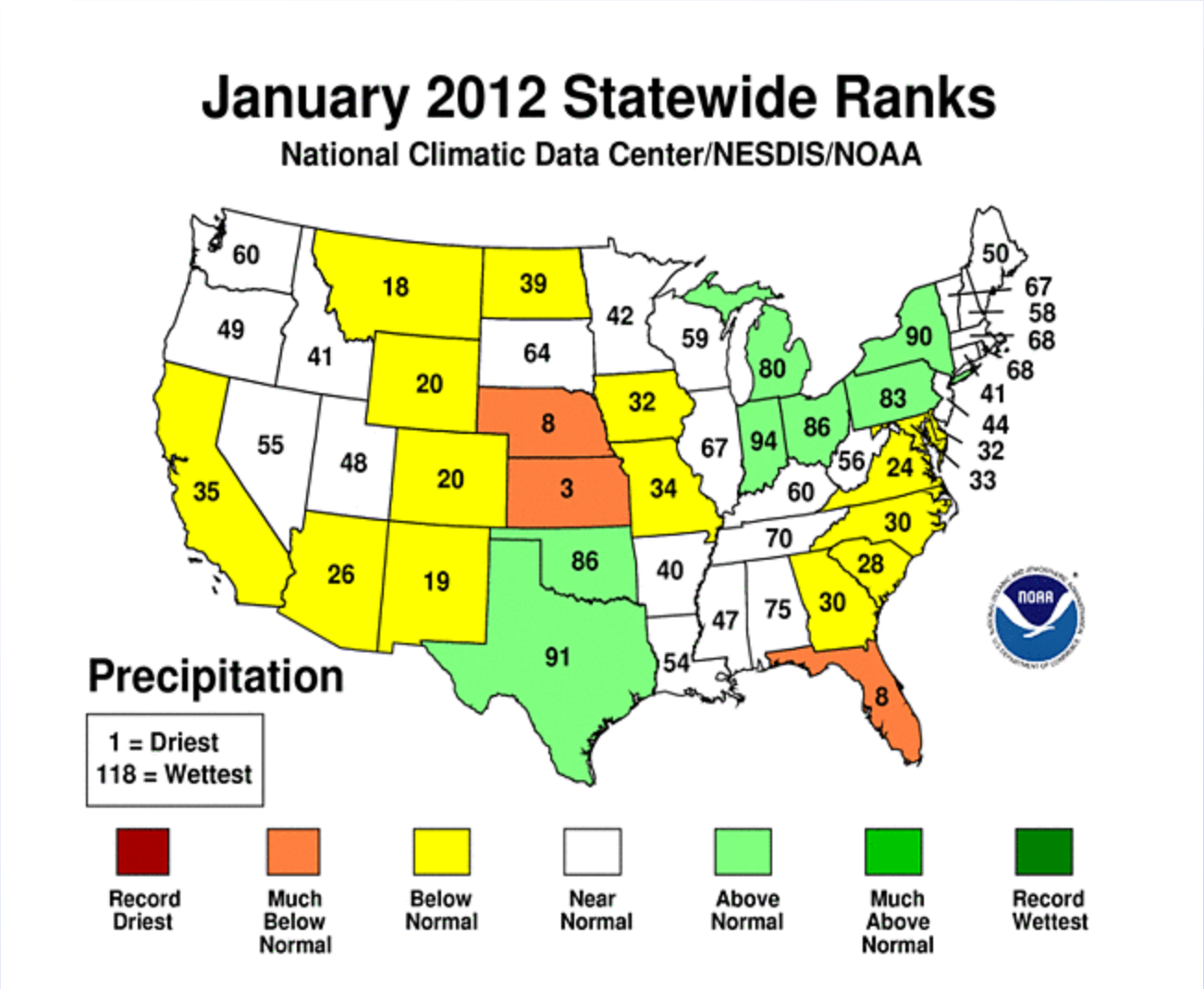




January Precipitation



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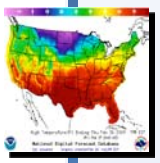
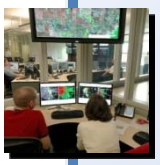
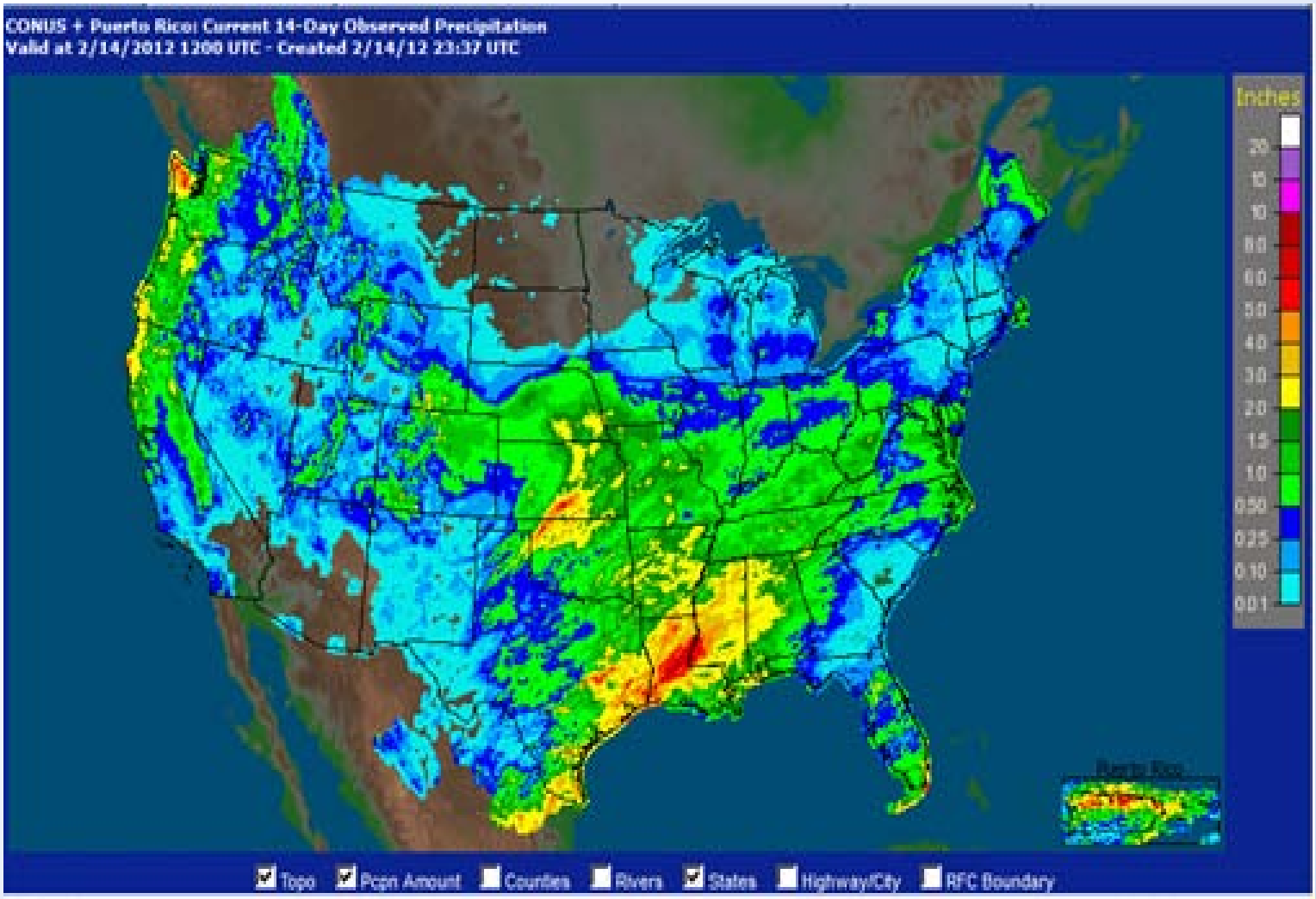


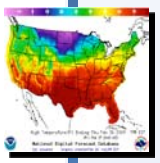


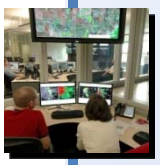
February Precipitation



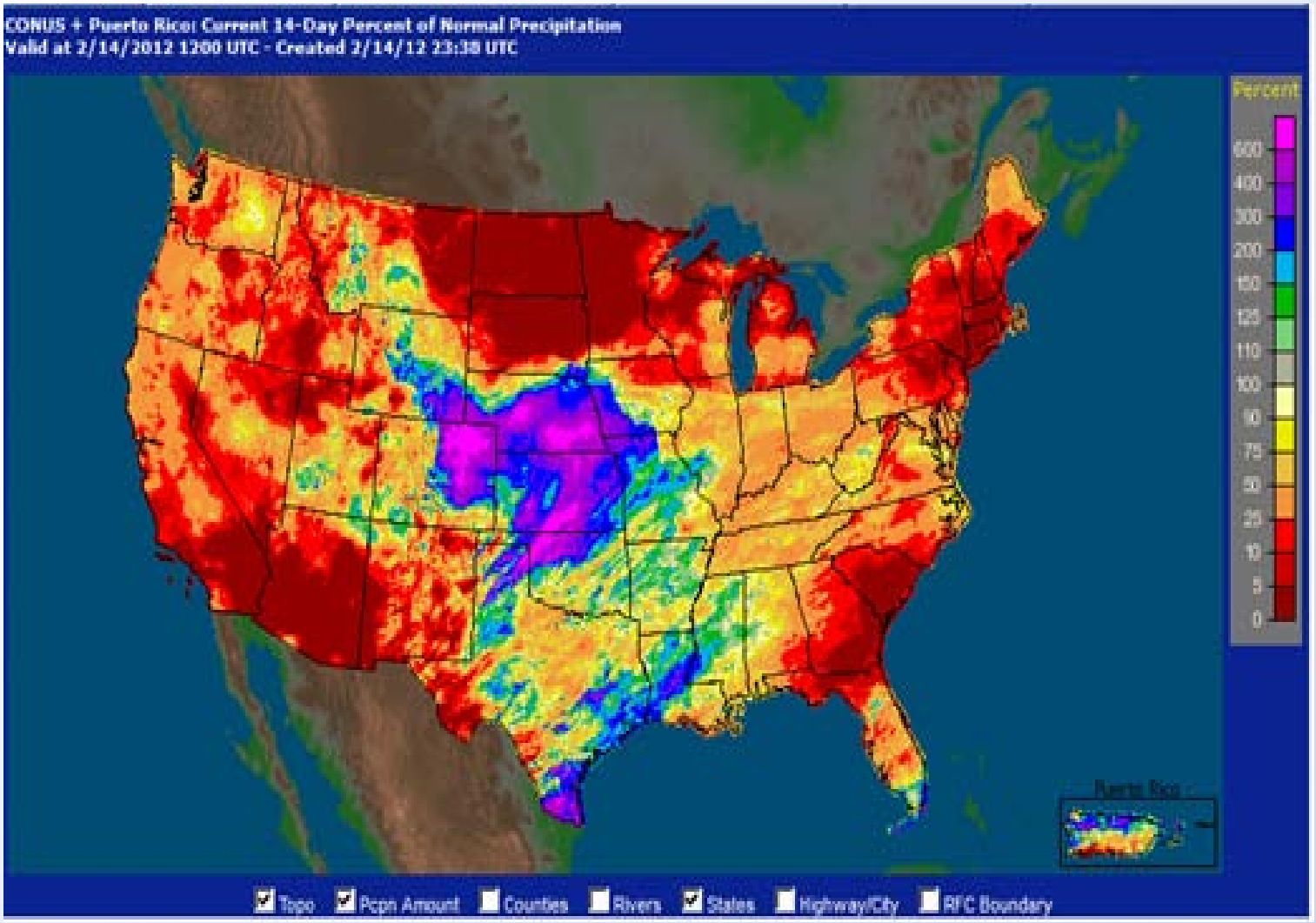
National Weather Service

Protecting Lives and Property





February Precipitation



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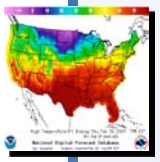
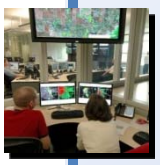
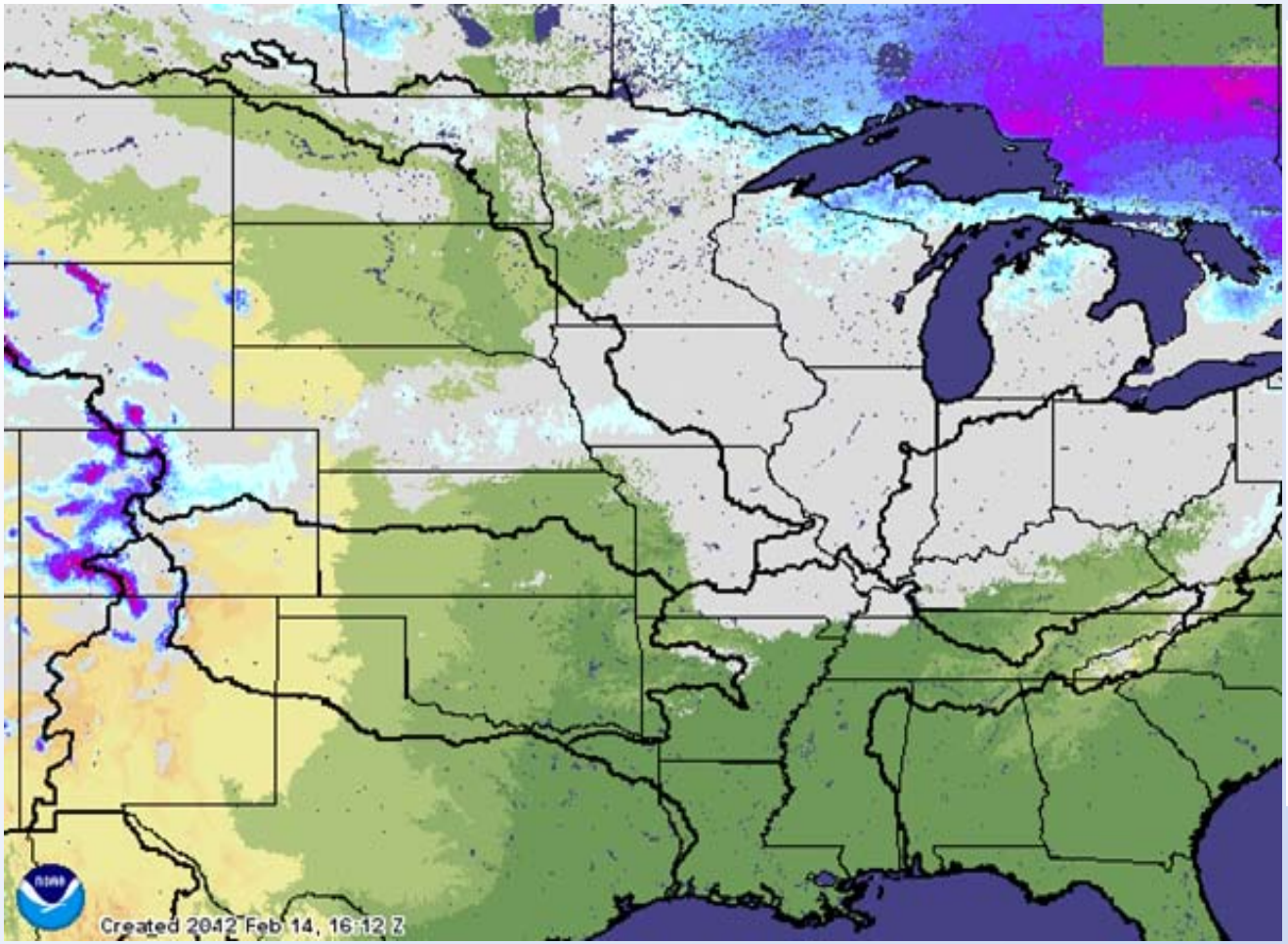




Snowpack Water Content Feb. 15 2011



Inches of water equivalent

	>	18	
16	to	18	
14	to	16	
12	to	14	
10	to	12	
8	to	10	
6	to	8	
5	to	6	
4	to	5	
3	to	4	
2	to	3	
1	to	2	
trace	to	1	

Not Estimated

Elevation in feet

	>	13124	
8203	to	13124	
3281	to	8203	
3	to	3281	
	<	3	

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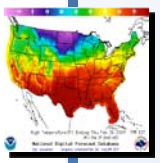

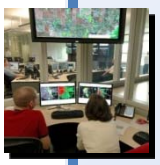

3-Year SWE Comparison

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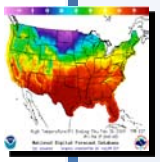
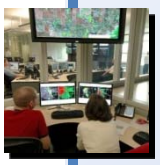
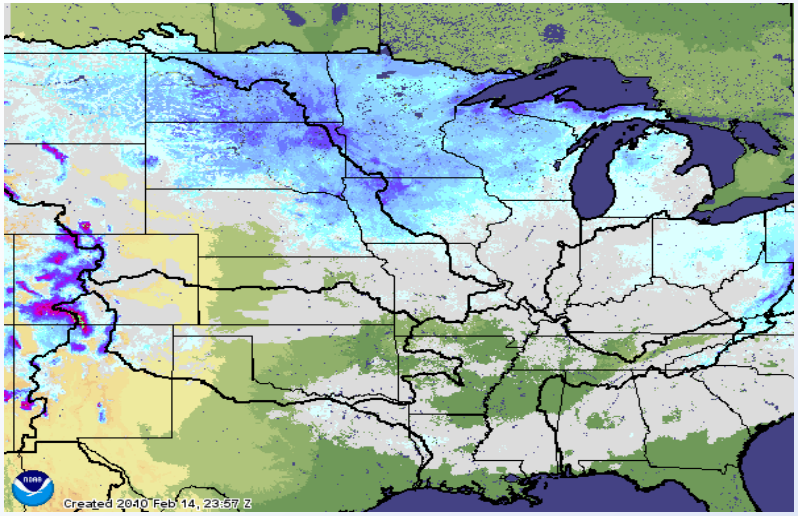
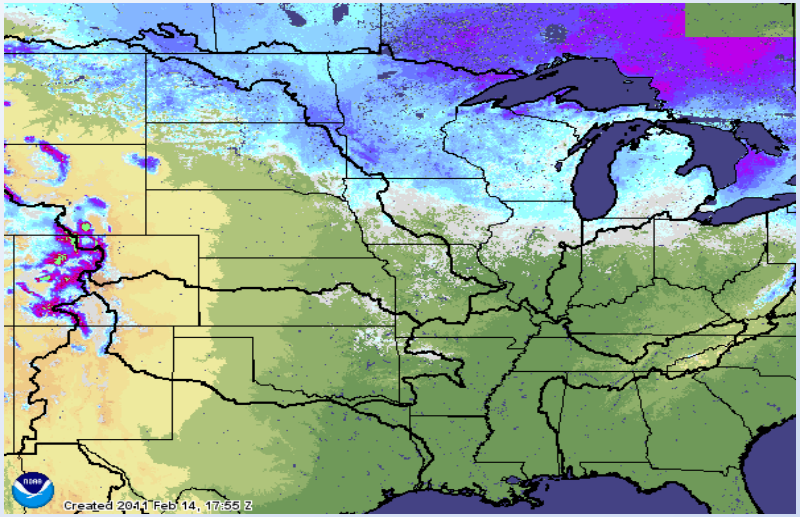




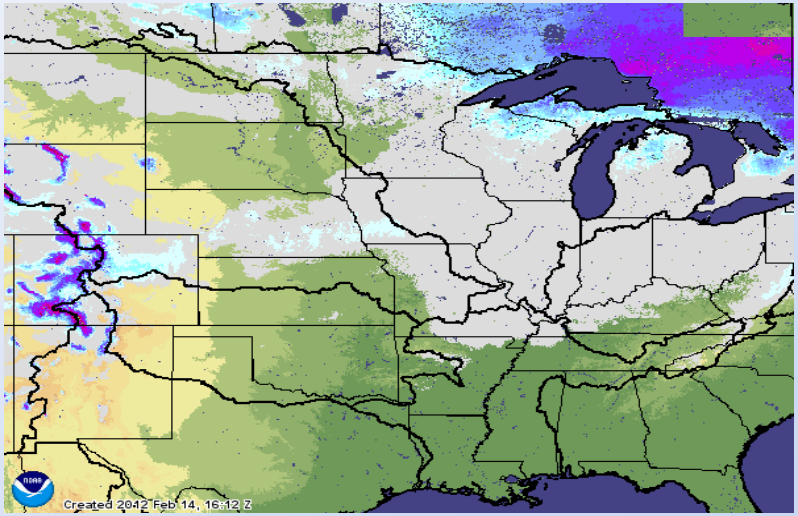
2010

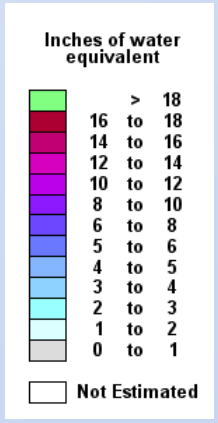


2011

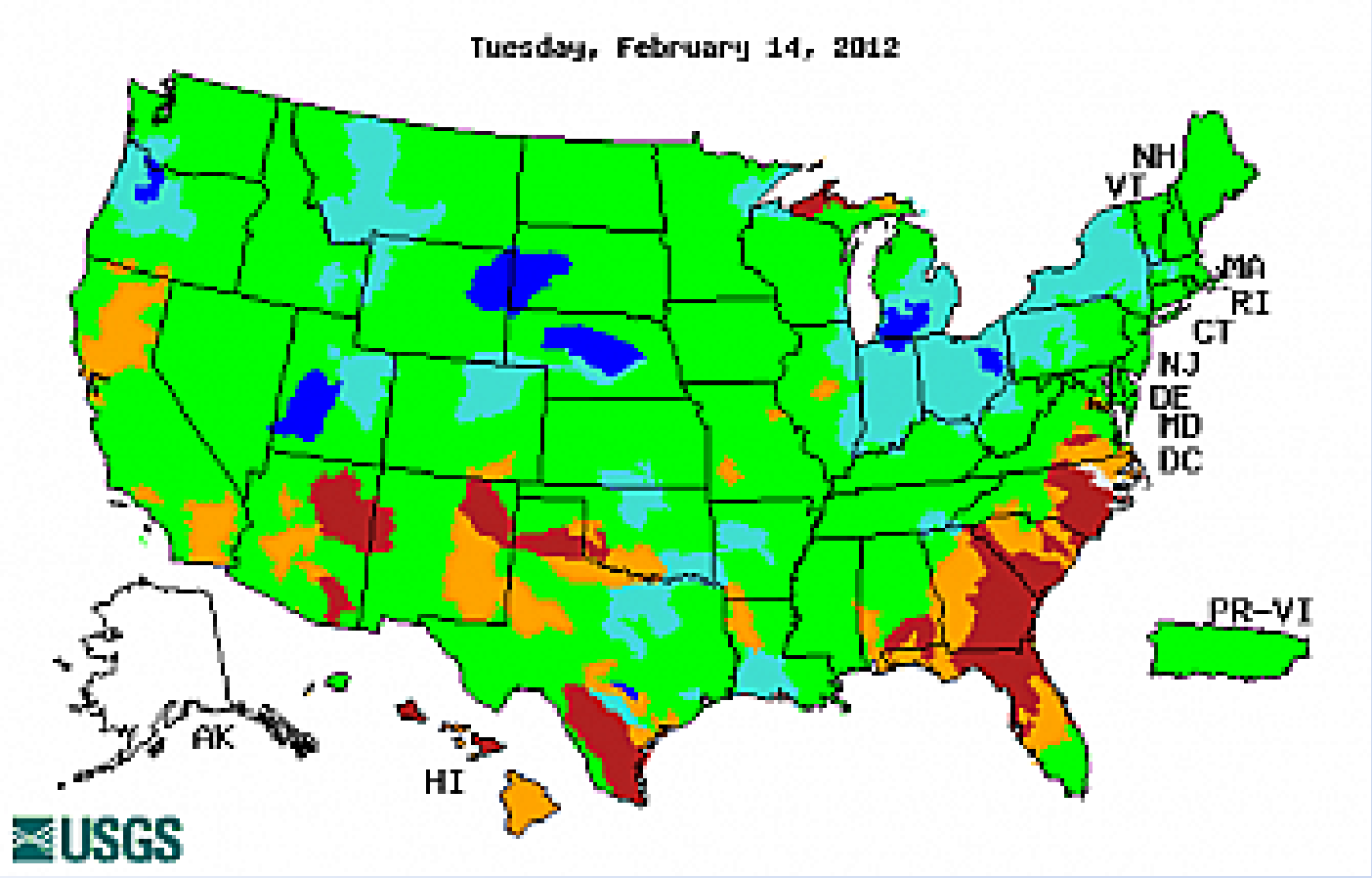


2012





USGS 28-day Streamflows



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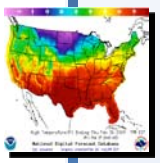
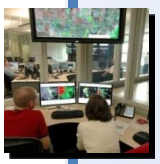
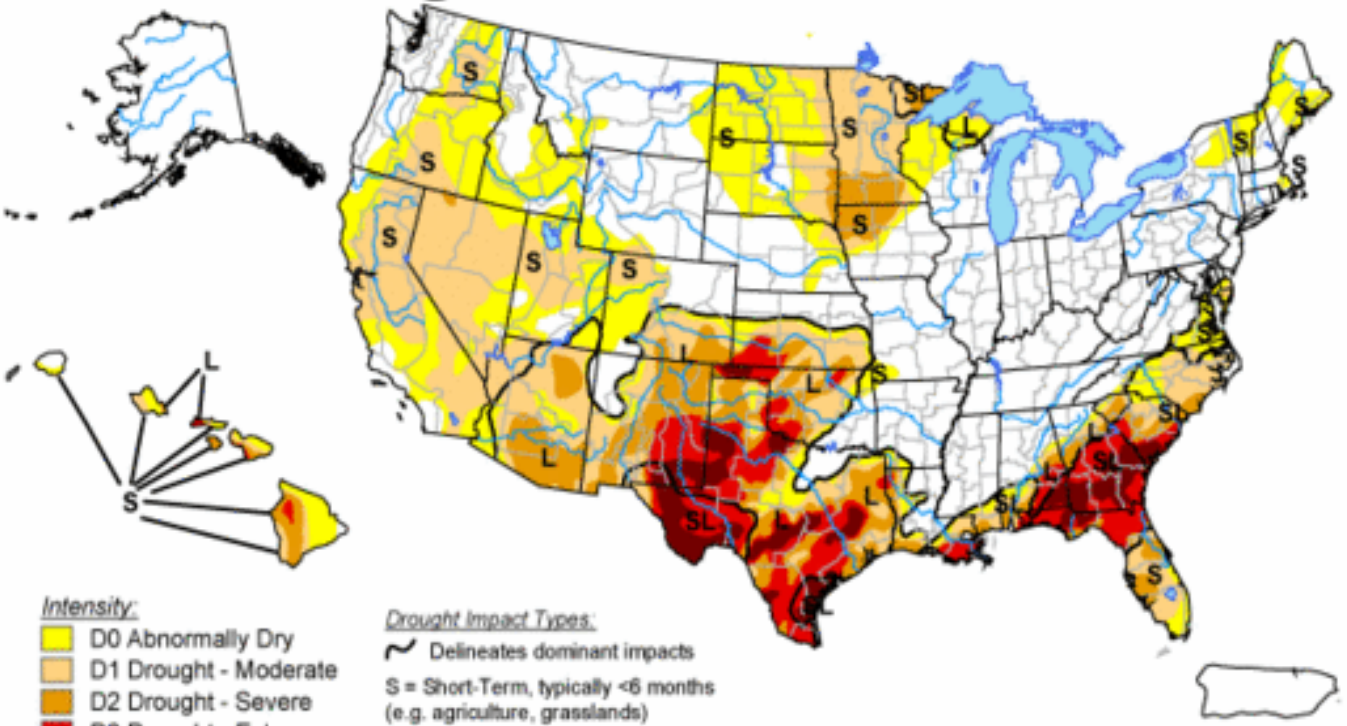
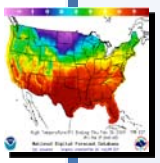
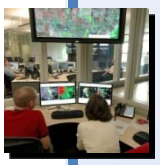




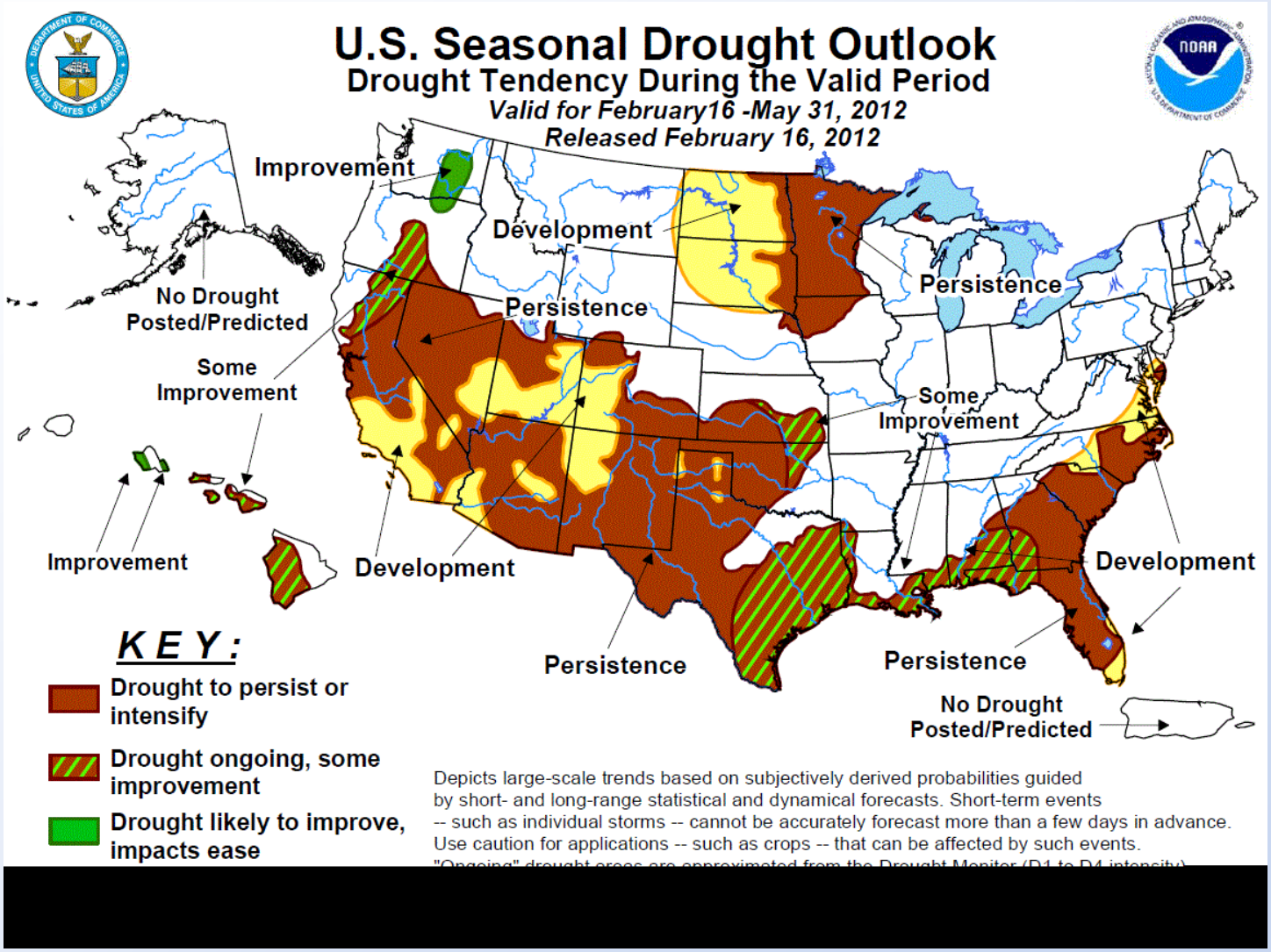
Drought Monitor







Drought Outlook



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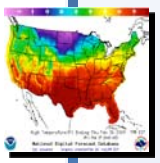

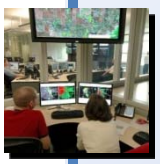

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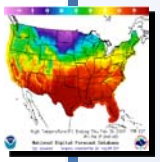
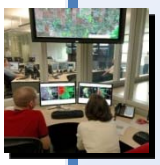
Weather Outlook





Two Week Weather Outlook

- Most active part of storm track will be supressed south from lower Mississippi Valley into parts of the Ohio, Cumberland and Tennessee Valley regions
- Rainfall above normal from lower Mississippi River to parts of Ohio River Valley regions
- Greatest threat for flooding next two weeks appears from lower Mississippi Valley into parts of the Ohio Valley
- Temperatures will swing back and forth between above and below normal but overall will average near normal

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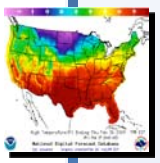
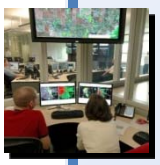
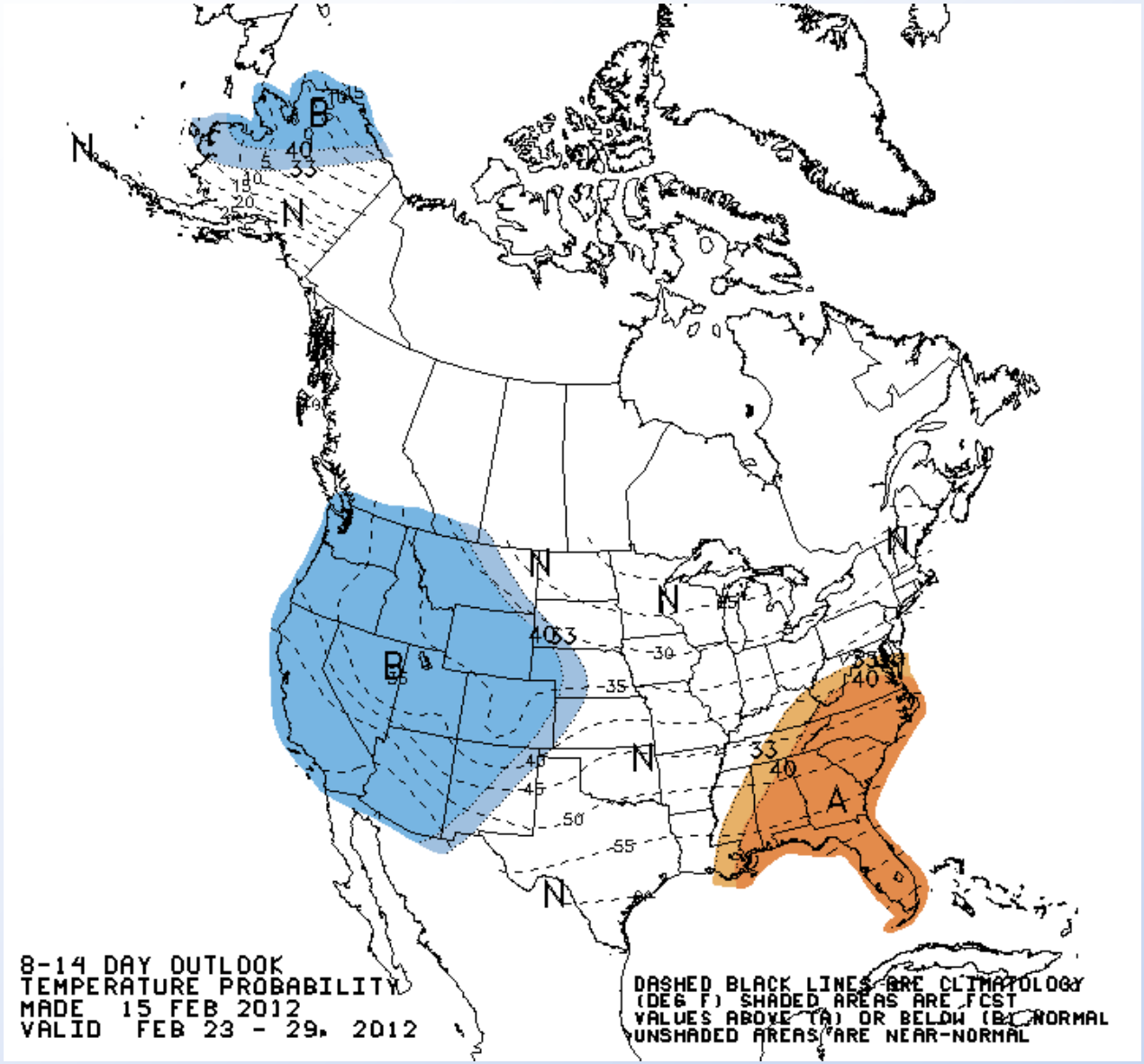




Temperature Outlook



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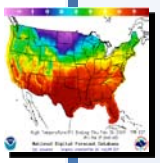
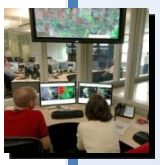
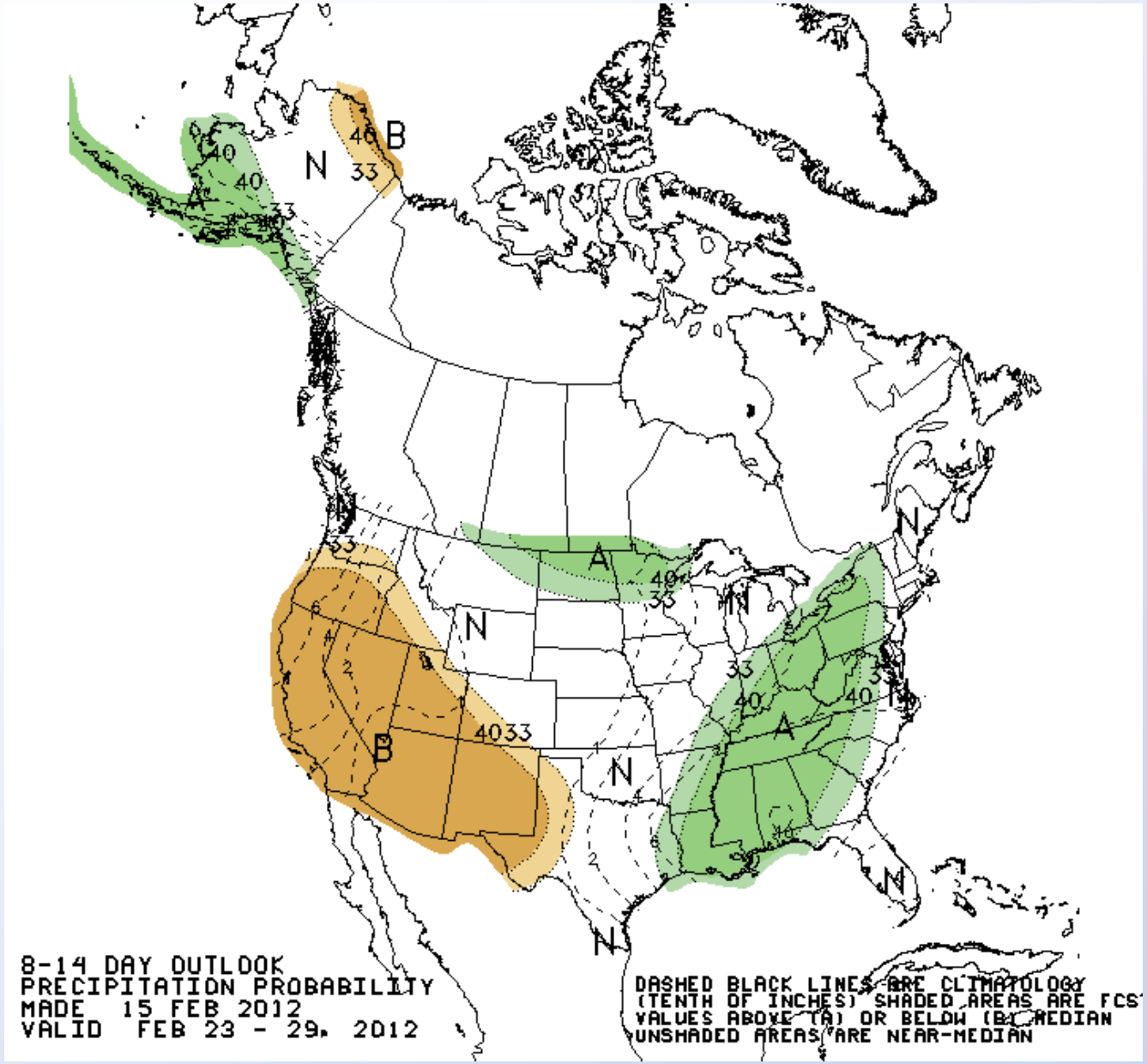




Precipitation Outlook



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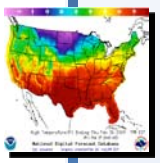
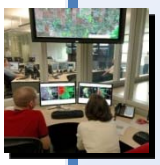
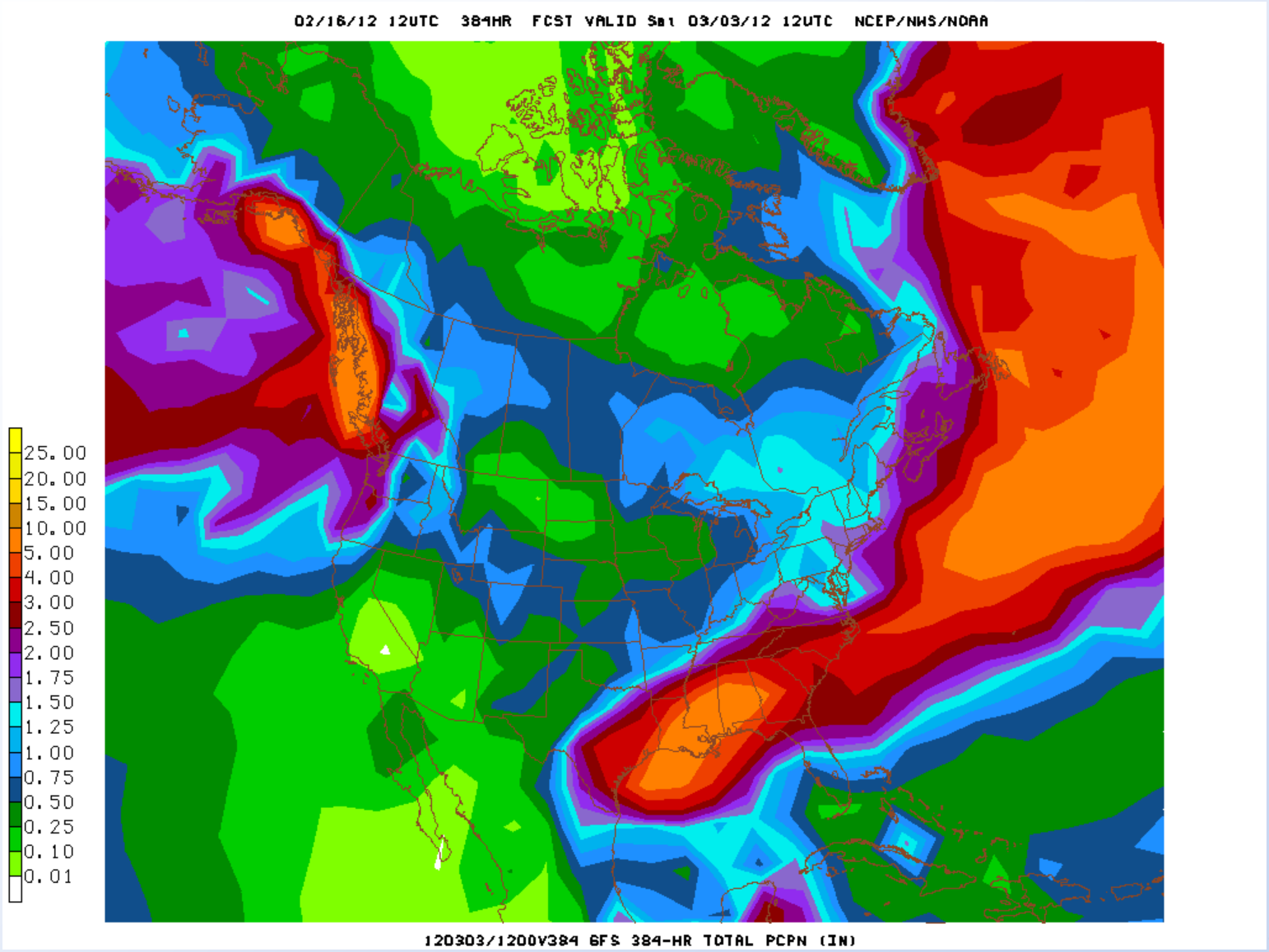




Two Week Precipitation Totals



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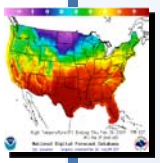
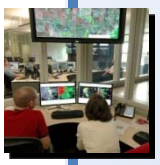
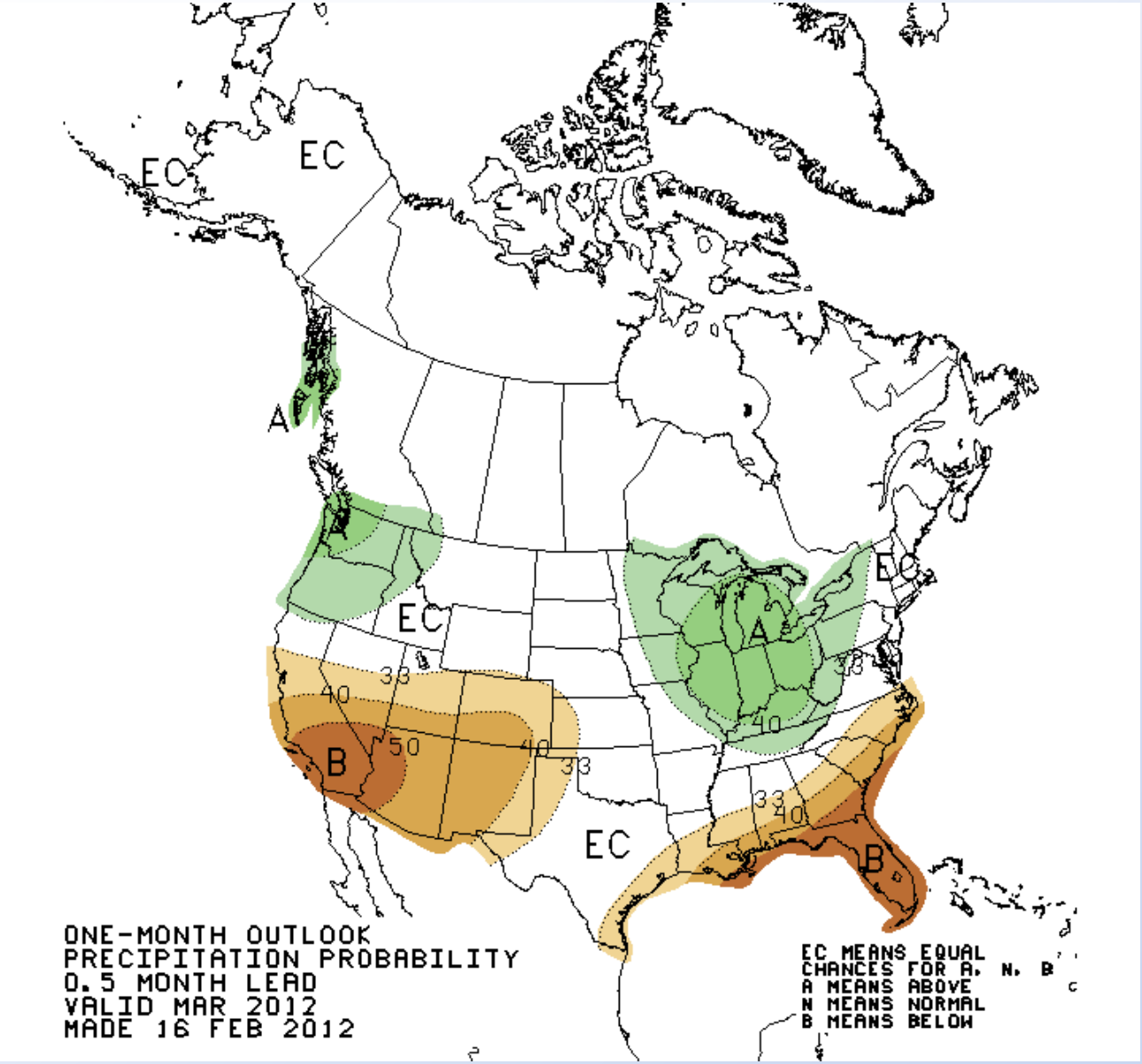




March Precipitation Outlook



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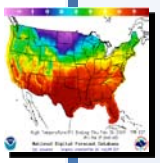
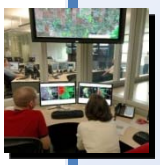
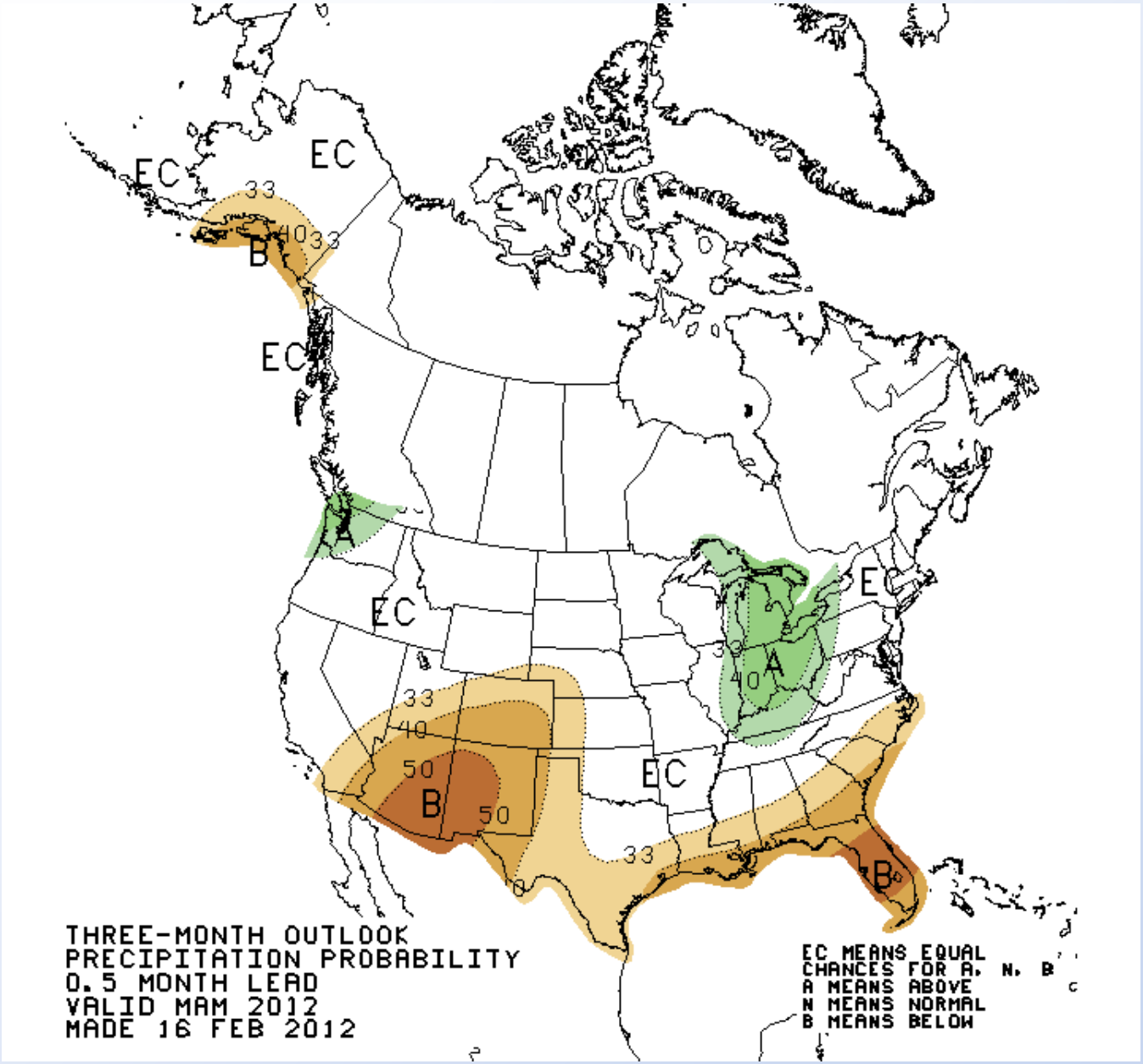




March-May Precipitation Outlook



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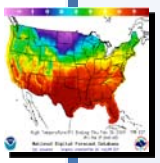

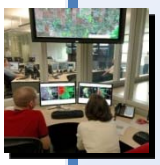

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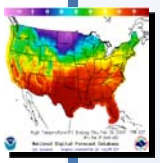
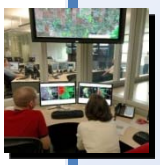
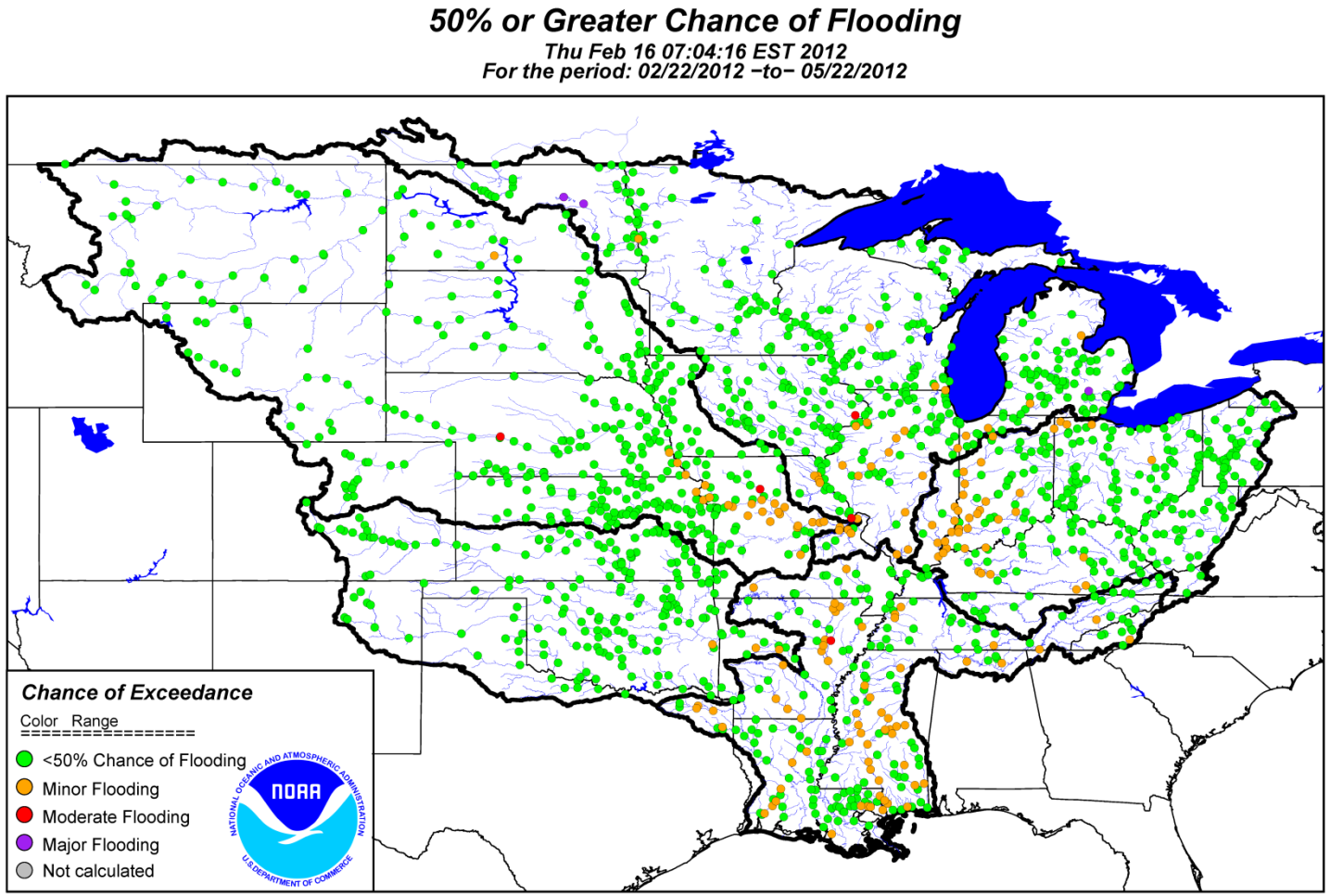
90- Day River Flood Outlook
Winter/Spring 2012





2012 90-Day River Flood Outlook



For individual location specifics visit water.weather.gov

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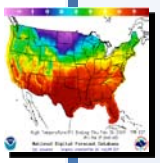

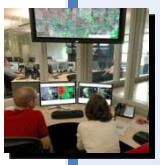

Comparison of 2012 to 2011

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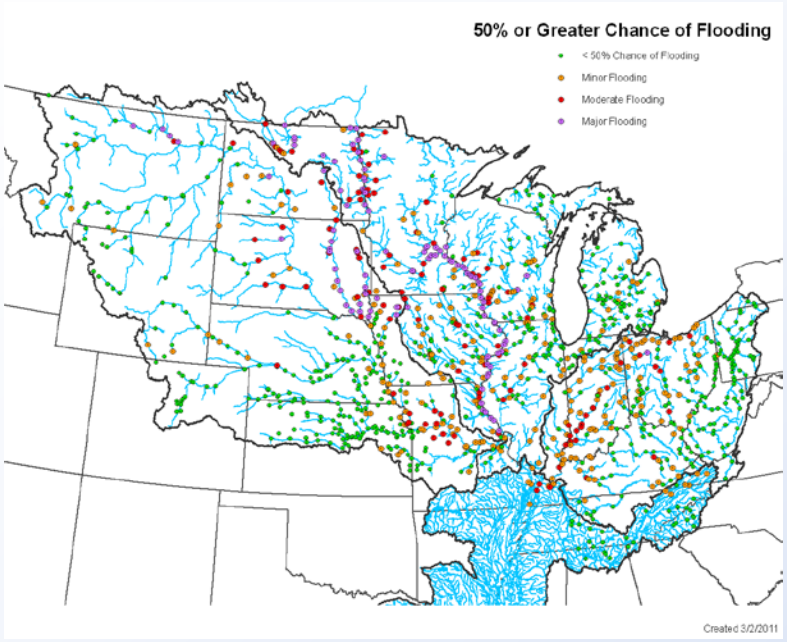
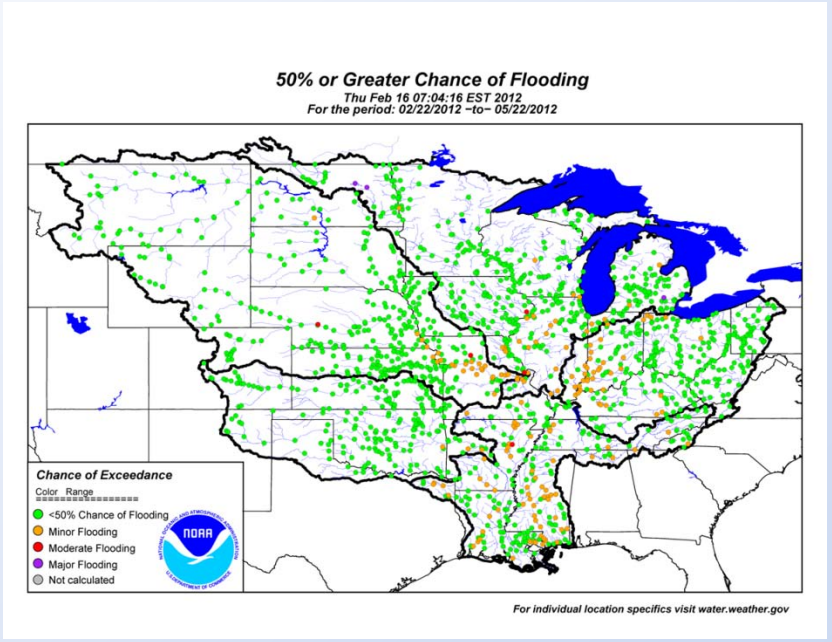
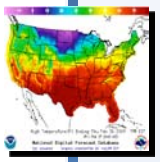
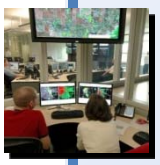
Late winter/spring 2011



Late winter/spring 2012







Risk is far less in the upper Missouri, upper Mississippi River, Red River of the North this year than last year based on greatly reduced snow water content.

Greatest flood threat is in the lower Ohio, lower Mississippi ,and lower Missouri River regions in 2012, but risk appears to be reduced at this time compared to 2011. Rainfall is primary contributor, so uncertainty remains.

Flood Outlook Summary

- La Nina weaker than 2011 in 2012 meaning influence on weather pattern less than 2011. This allows other climate regimes to have greater influence.
- Heaviest rainfall next two weeks concentrated from lower Mississippi to Ohio Valley regions.
- Primary flood threat into spring appears focused in lower Ohio, lower Mississippi and lower Missouri basins but likely less than 2011.
- Severity still uncertain and will be driven by rainfall this late winter and spring.
- The National Weather Service will provide flood outlook updates in the coming weeks and months.

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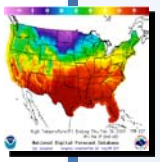

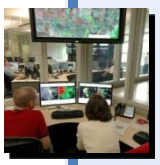

Questions?

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