National Weather Service Preliminary Spring Flood Outlook

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National Weather Service – Des Moines, IA

February 14, 2020

Spring Flood Outlook

As of 2/12

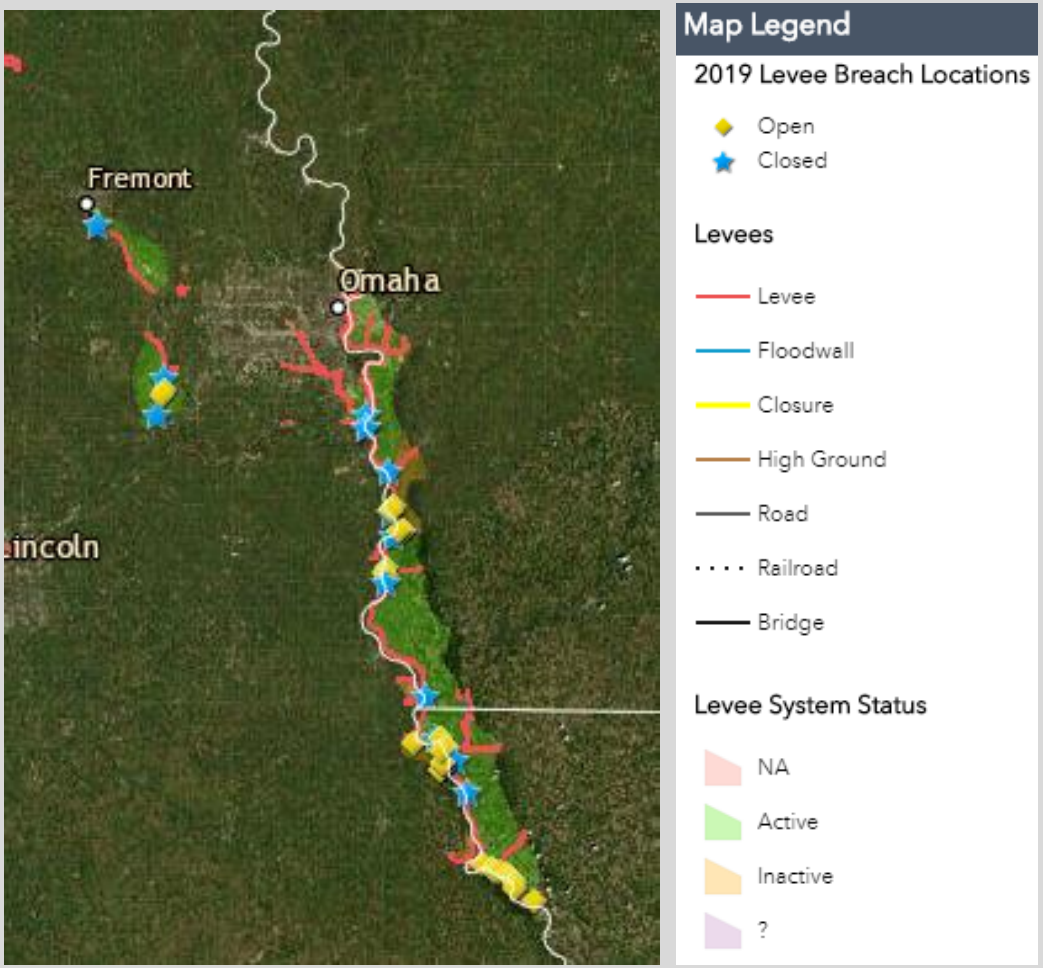
River	Spring Flood Risk
Mississippi River	Much Above Normal
Missouri River above Platte River	Above Normal
Missouri River below Platte River	Much Above Normal
Tributaries to Mississippi River in Iowa	Above Normal (Variable in northeast Iowa)
Tributaries to Missouri River in Iowa	Above Normal

National Weather Service 2020 Spring Flood Outlook Schedule

Thursday, February 13, 2020; Thursday, February 27, 2020 & Thursday, March 12, 2020

Levee Breaches on Missouri River

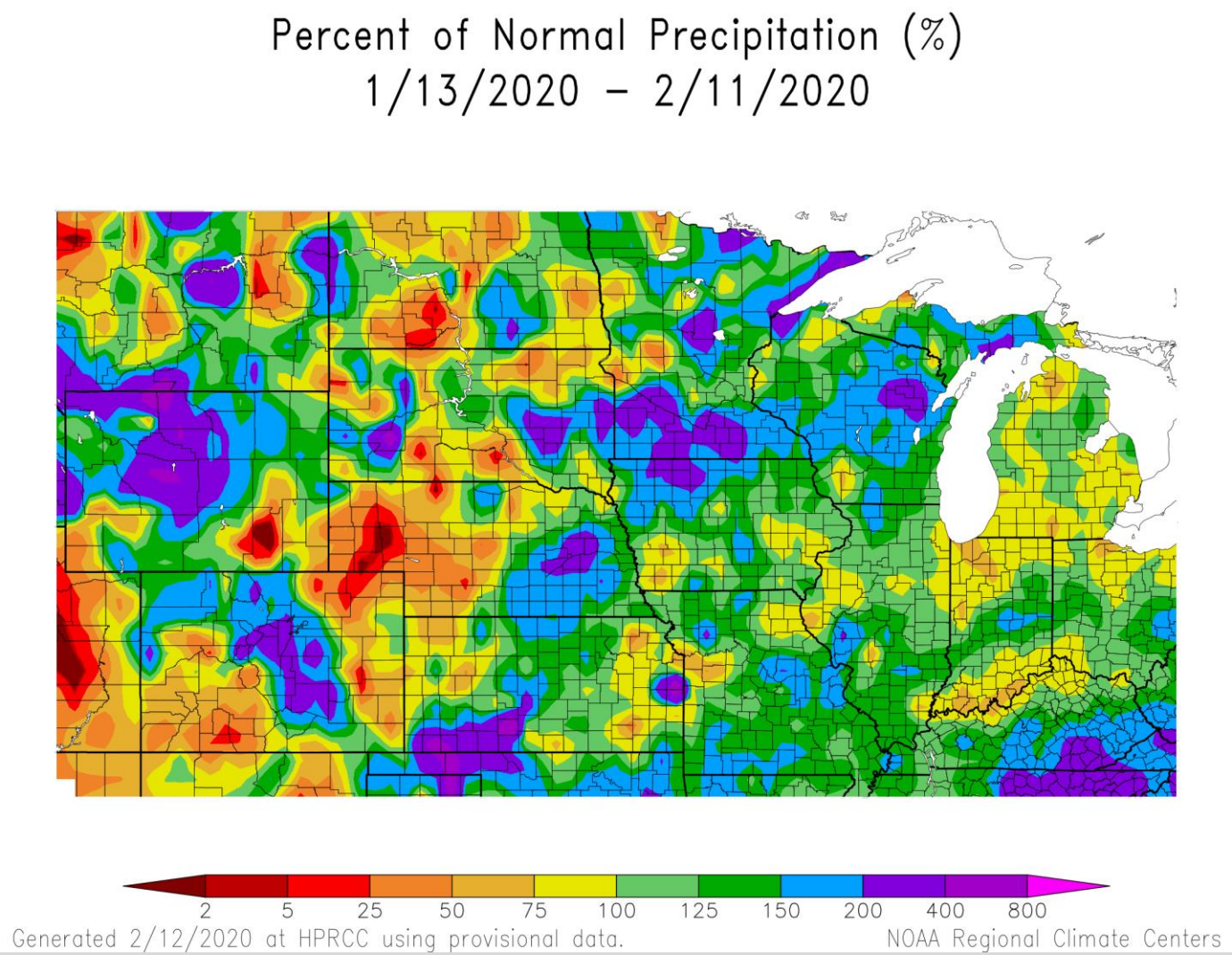
As of 2/12



URL: https://www.nwo.usace.army.mil/Omaha-District-System-Restoration-Team/

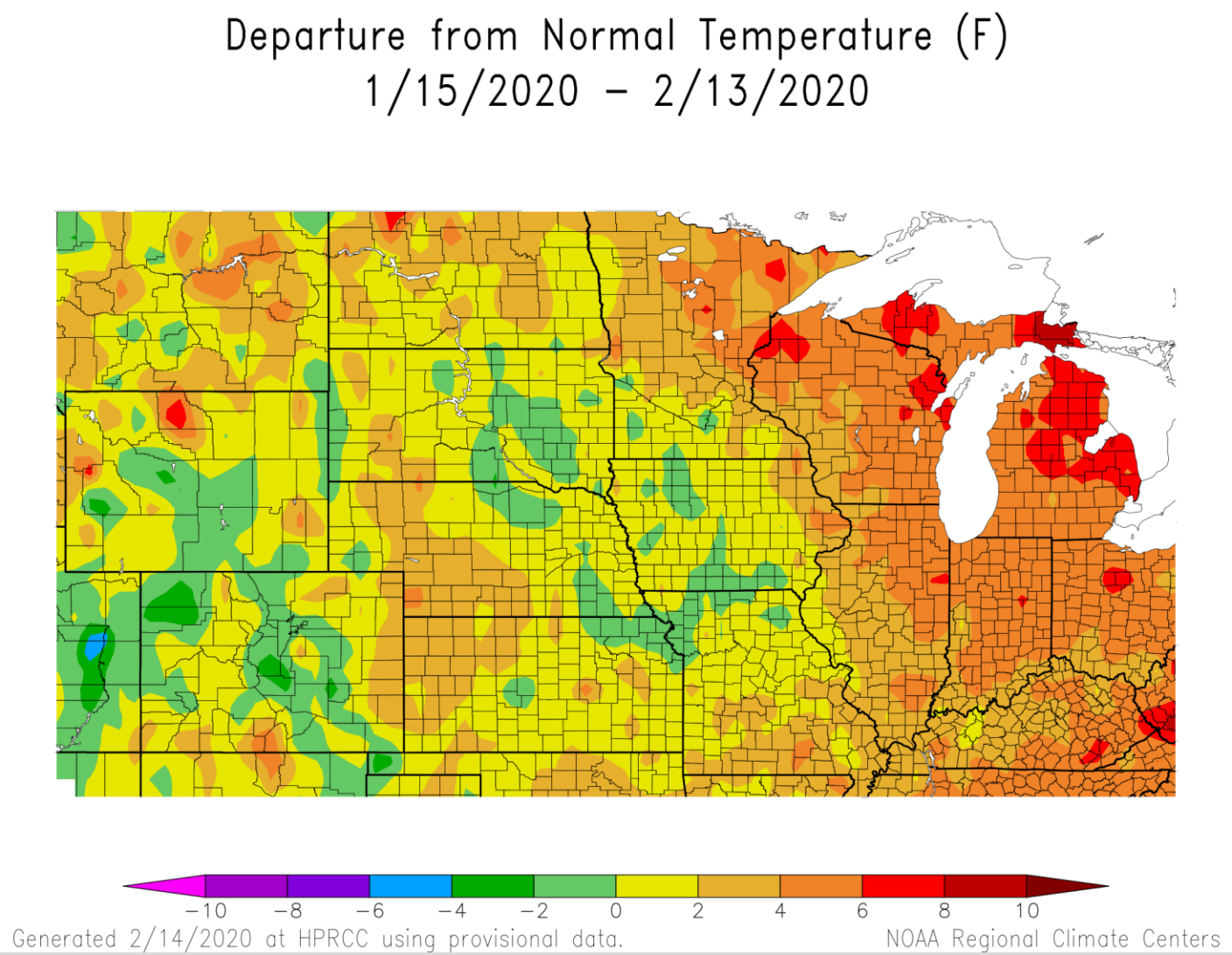
Precipitation % of Normal

Past 30 Days



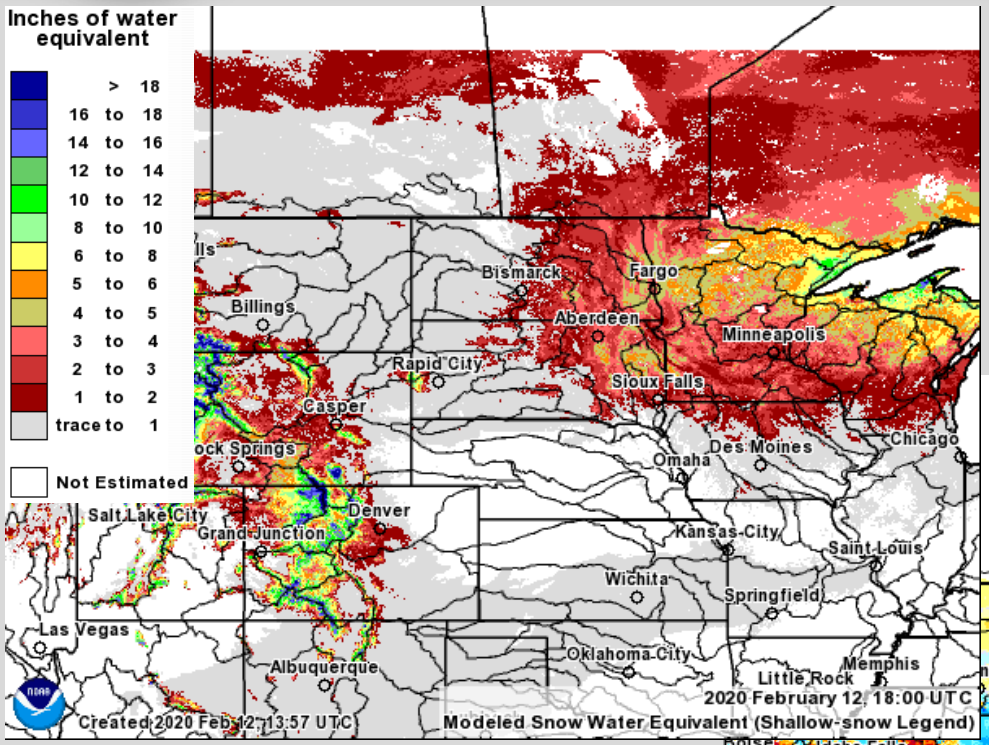
Temperature Dep from Normal

Past 30 Days



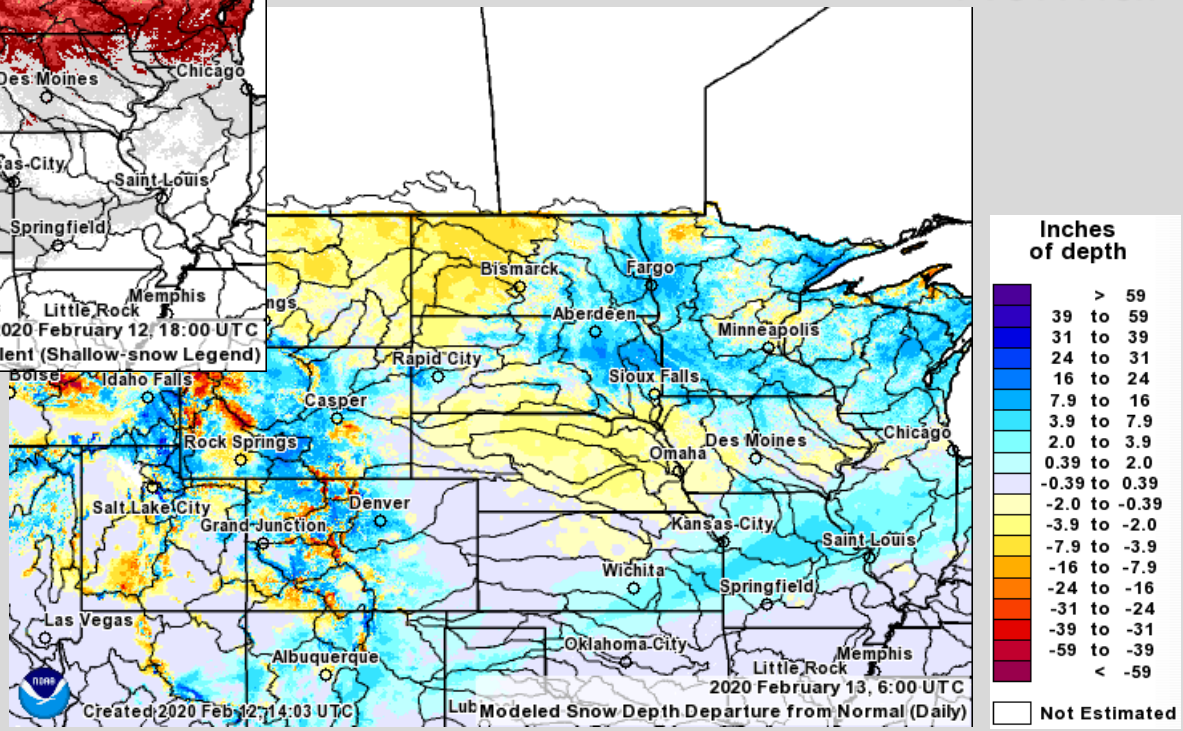
Snowpack

Water Equiv & Depth vs. Normal, 2/12/2020



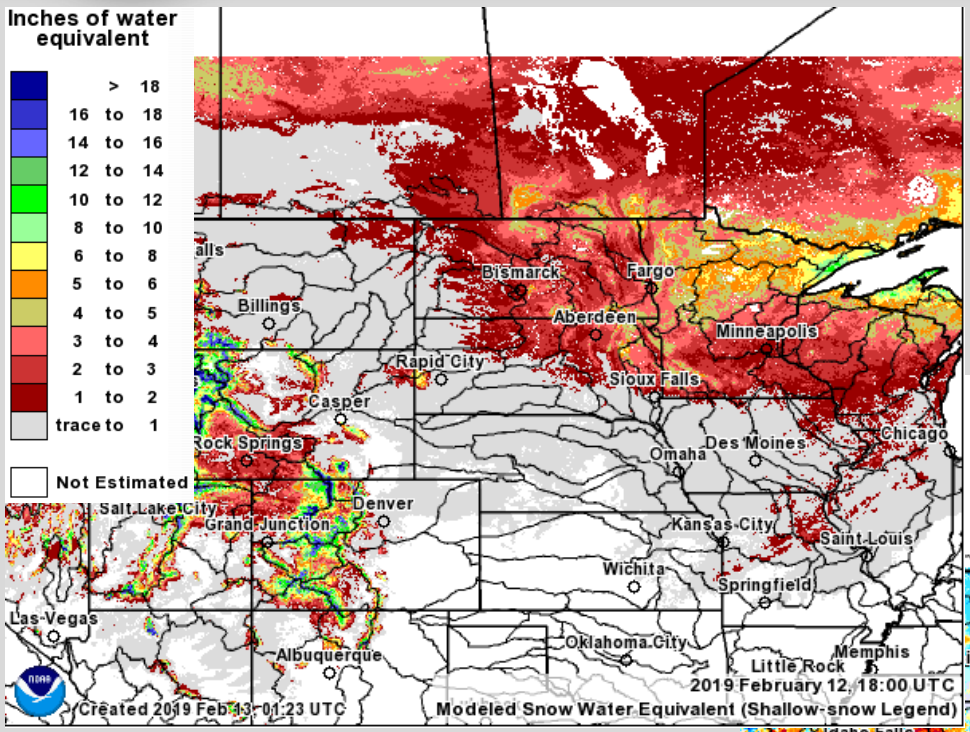
Snow Water Equivalent

Snow Depth vs. Normal



Snowpack

Water Equiv & Depth vs. Normal, 2/12/2019



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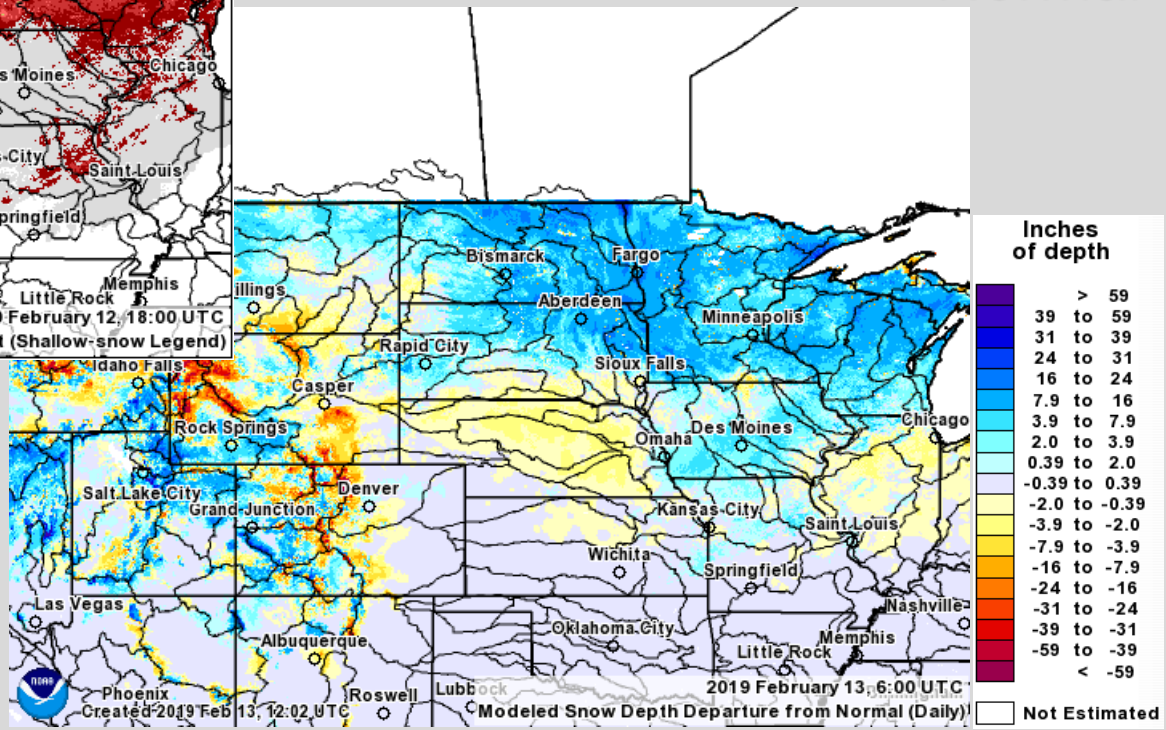
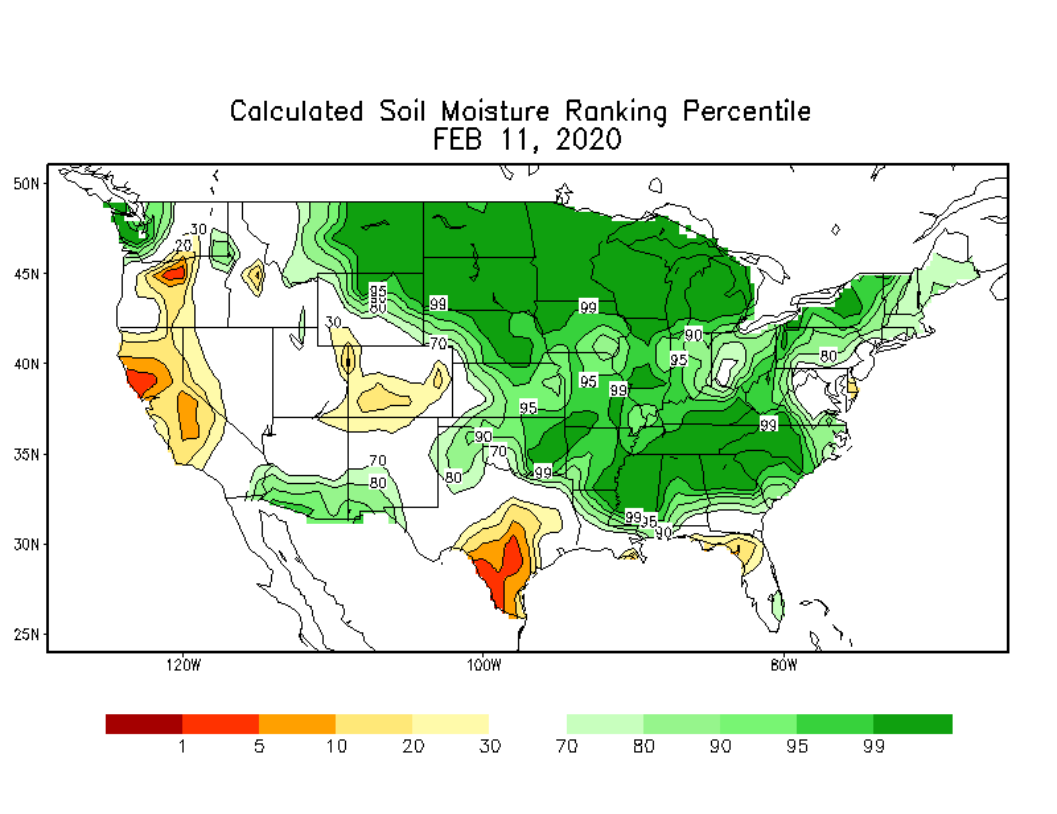


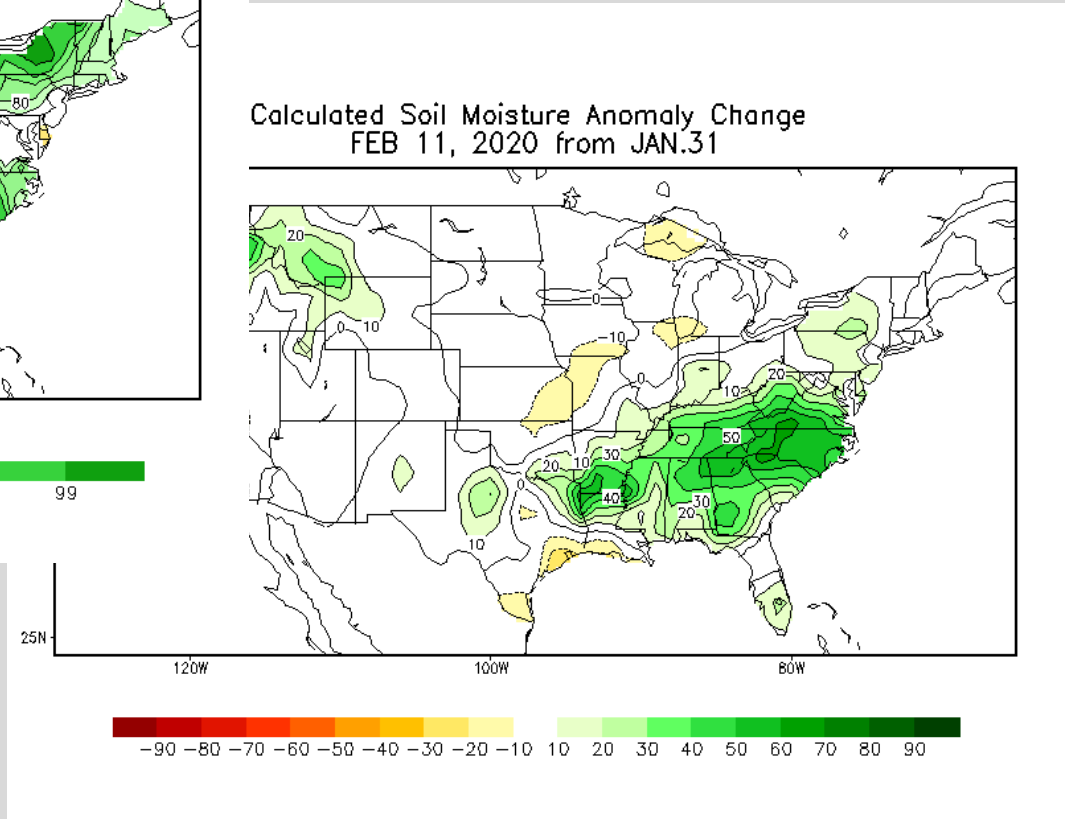
Soil Moisture Percentile

Current Values & Change, 2/11



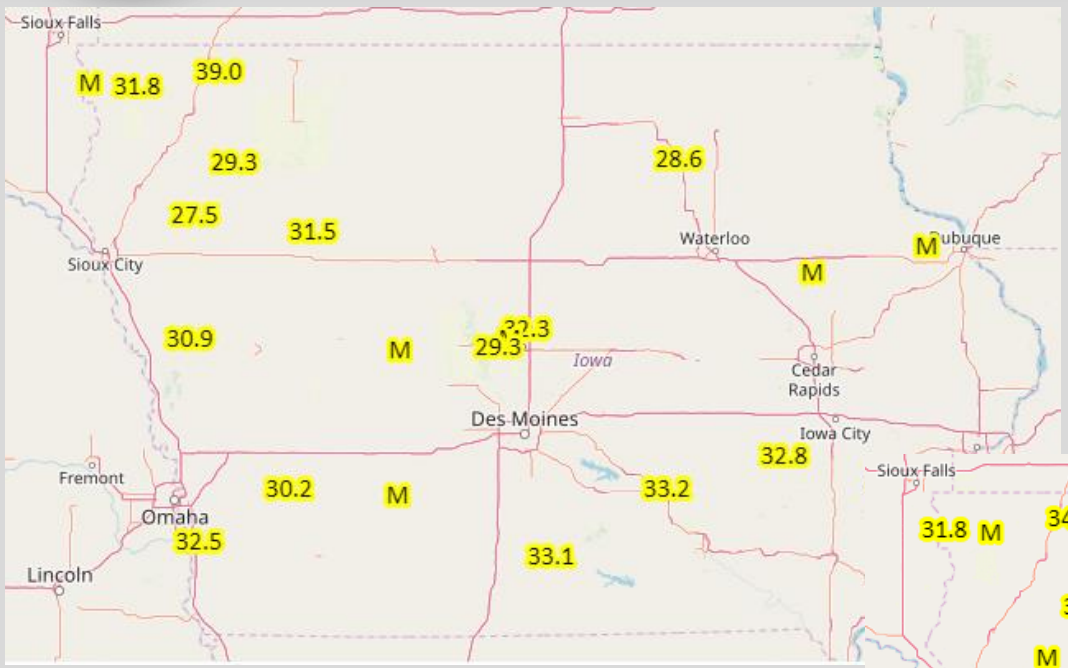
Current Percentiles

Change



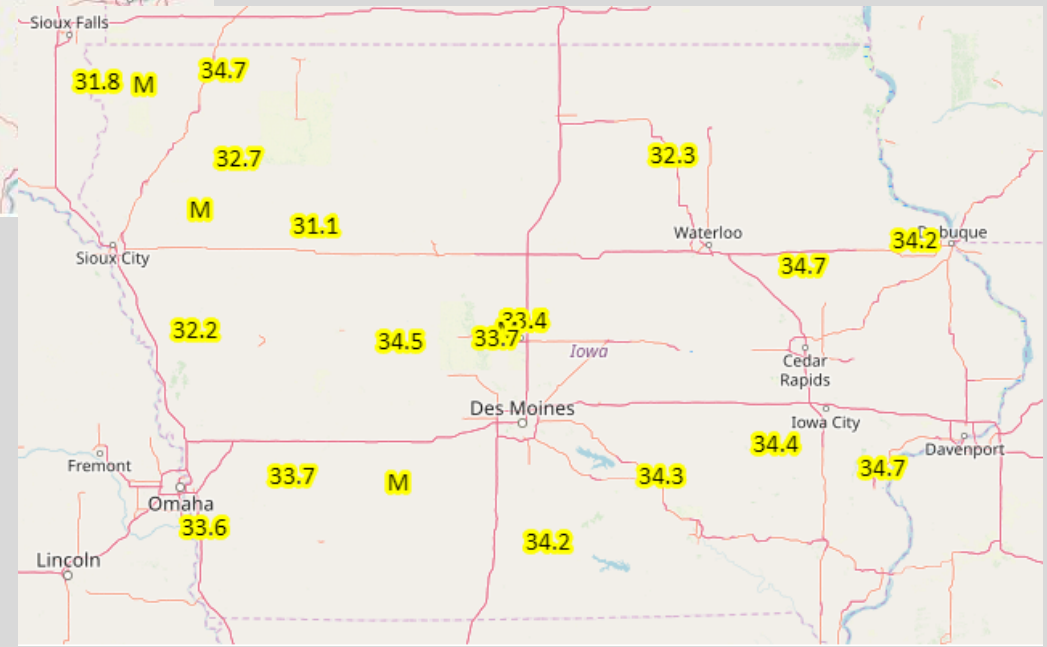
Soil Temperatures/Ground Frost

Temperatures in F, 2/12



4 inch Soil Temps

12 inch Soil Temps



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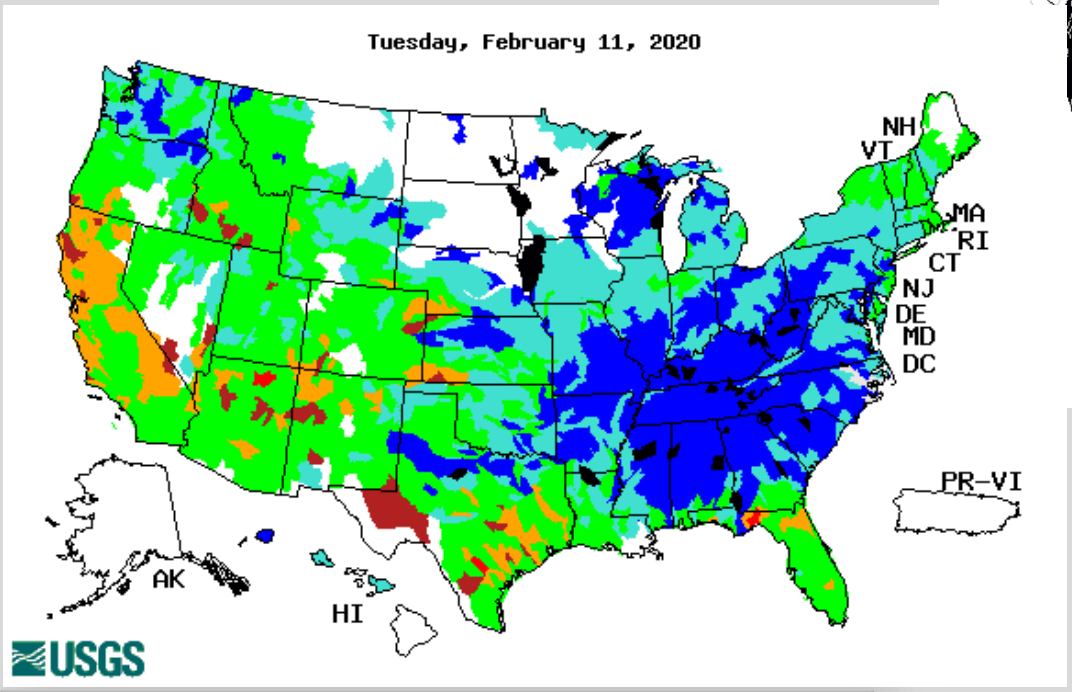
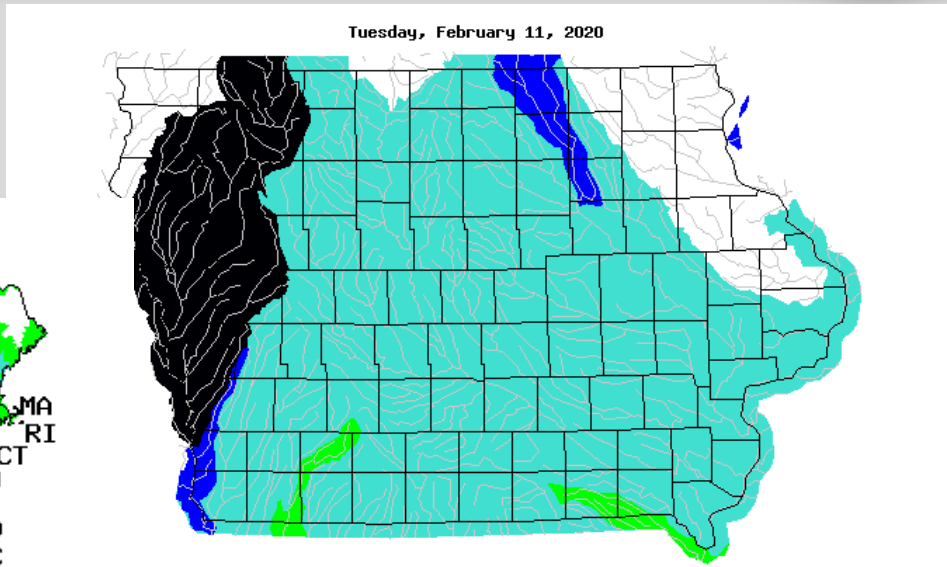
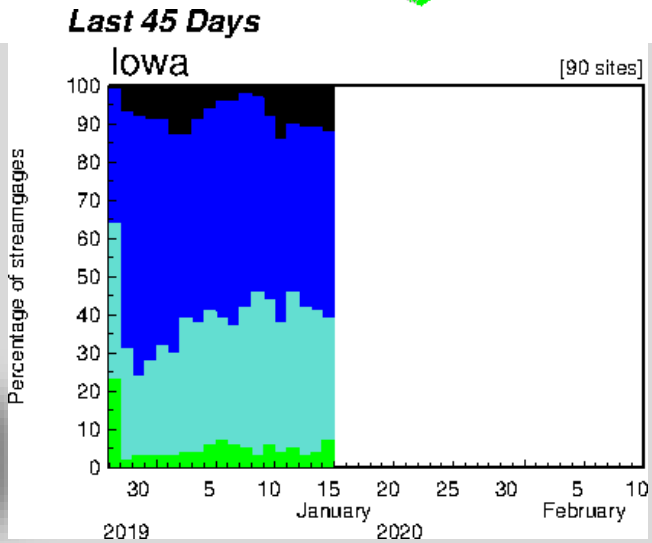
Current Streamflow

Values vs. Normal (Percentiles), 2/11







Explanation - Percentile classes						
Low	<10	10-24	25-75	76-90	>90	High
	Much below normal	Below normal	Normal	Above normal	Much above normal	

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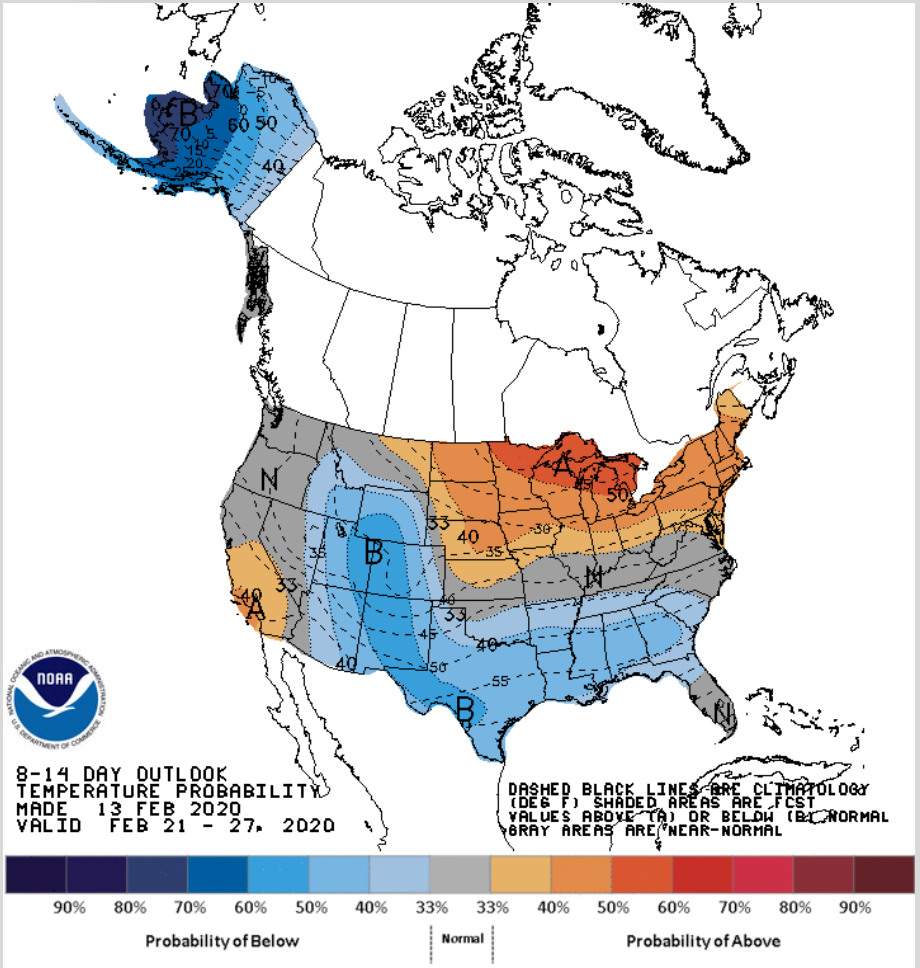
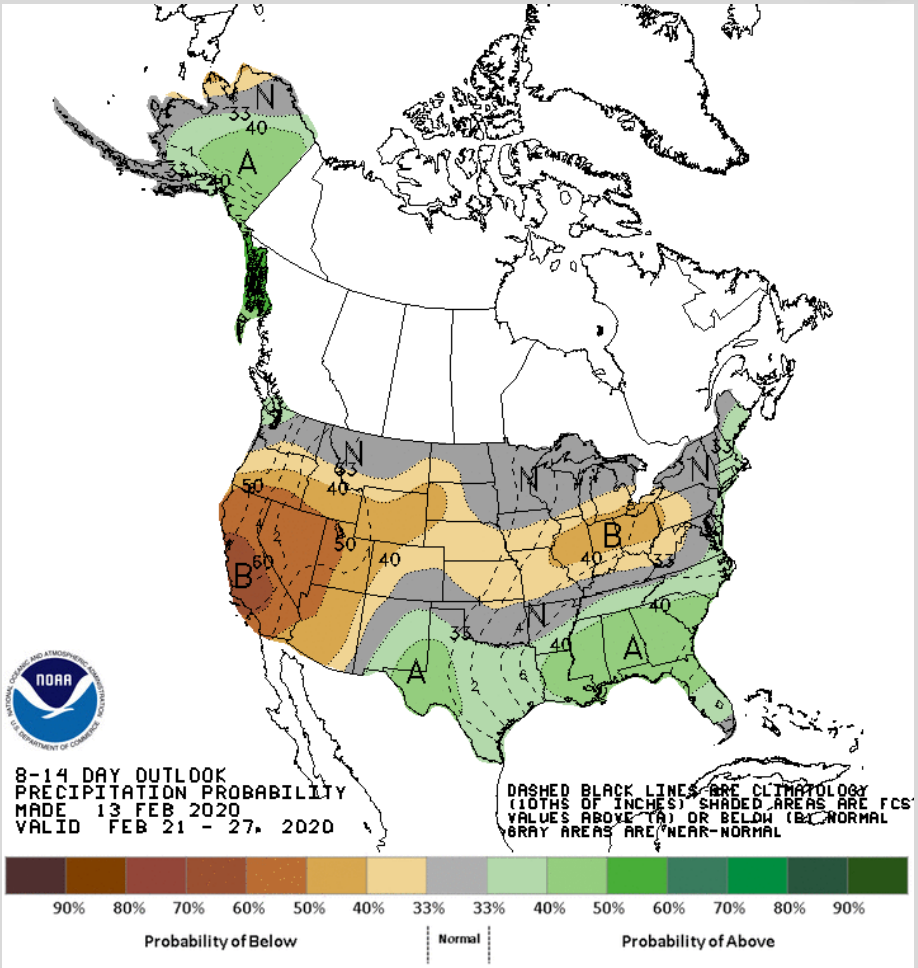
2-Week Temp/Precip Outlooks



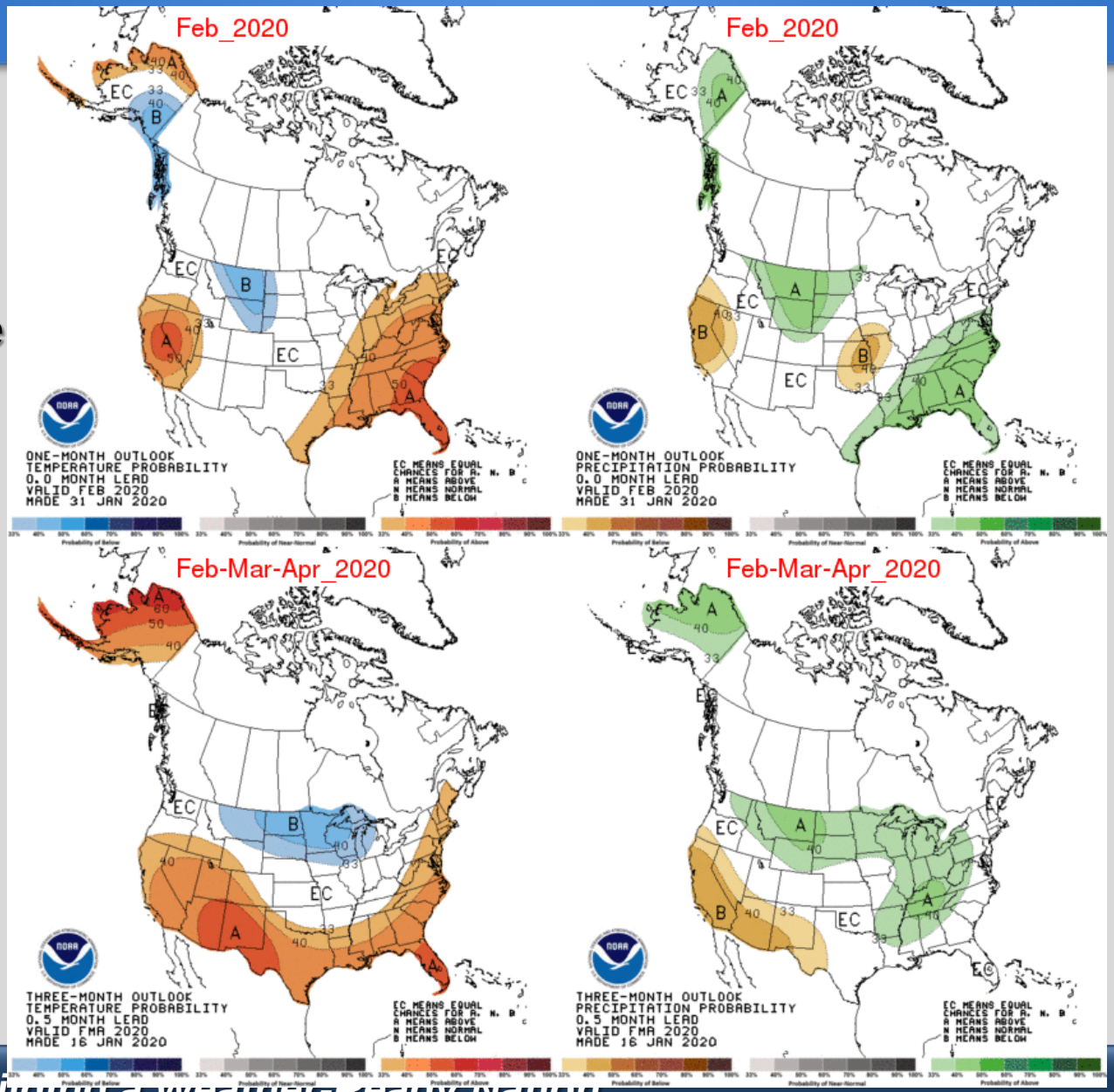
Temperature



Precipitation

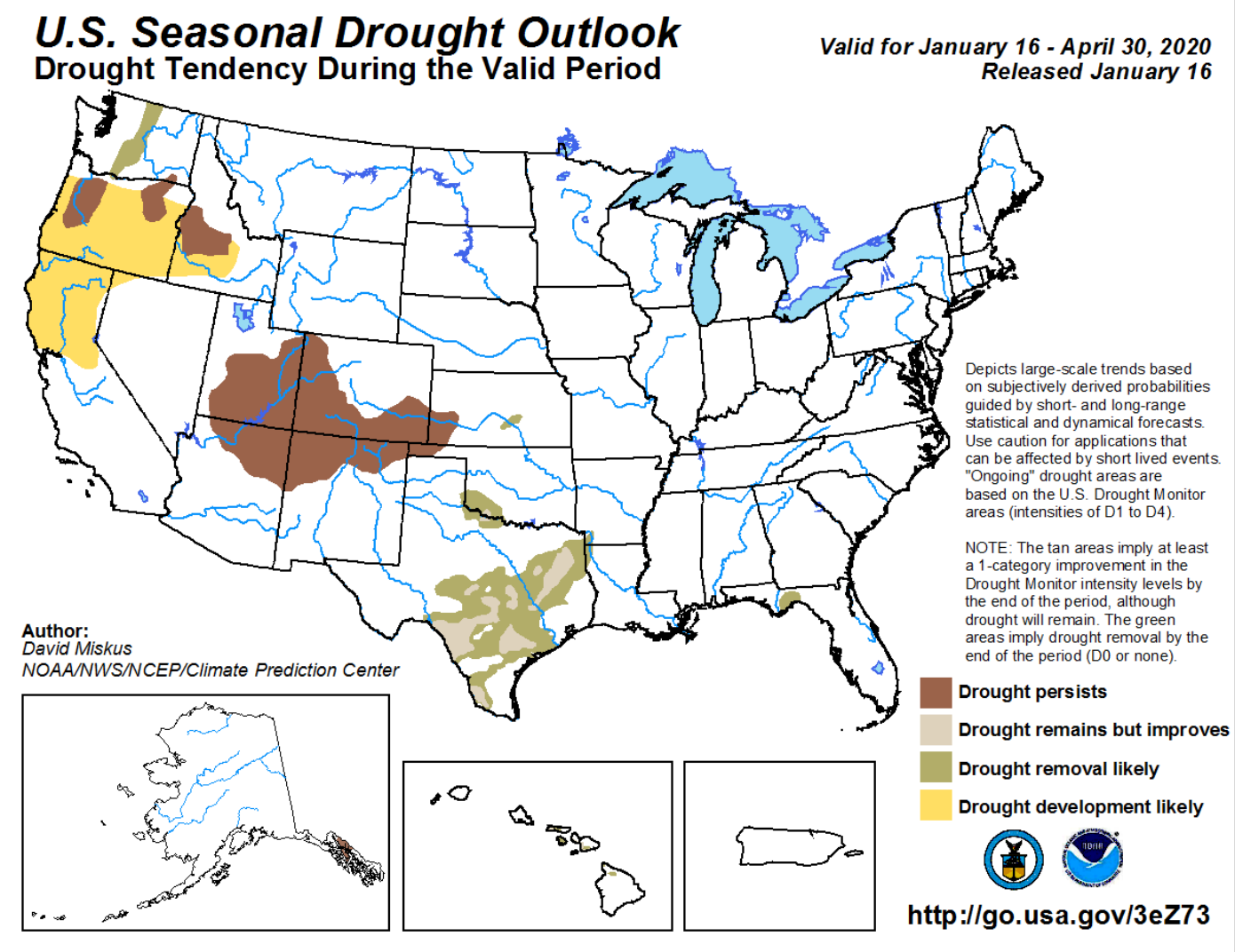
Temp/Precip Outlooks

Temperature on Left



Precipitation on Right

Seasonal Drought Outlook



Spring Flood Outlook Factors

As of 2/12

Factor	Contribution to Flood Risk
Snowpack	Increased Risk
Soil Moisture	Increased Risk
Frost Depth	Lowered Risk
Streamflow/Stream Levels	Increased Risk
Precipitation Outlook	Increased Risk (Missouri River)

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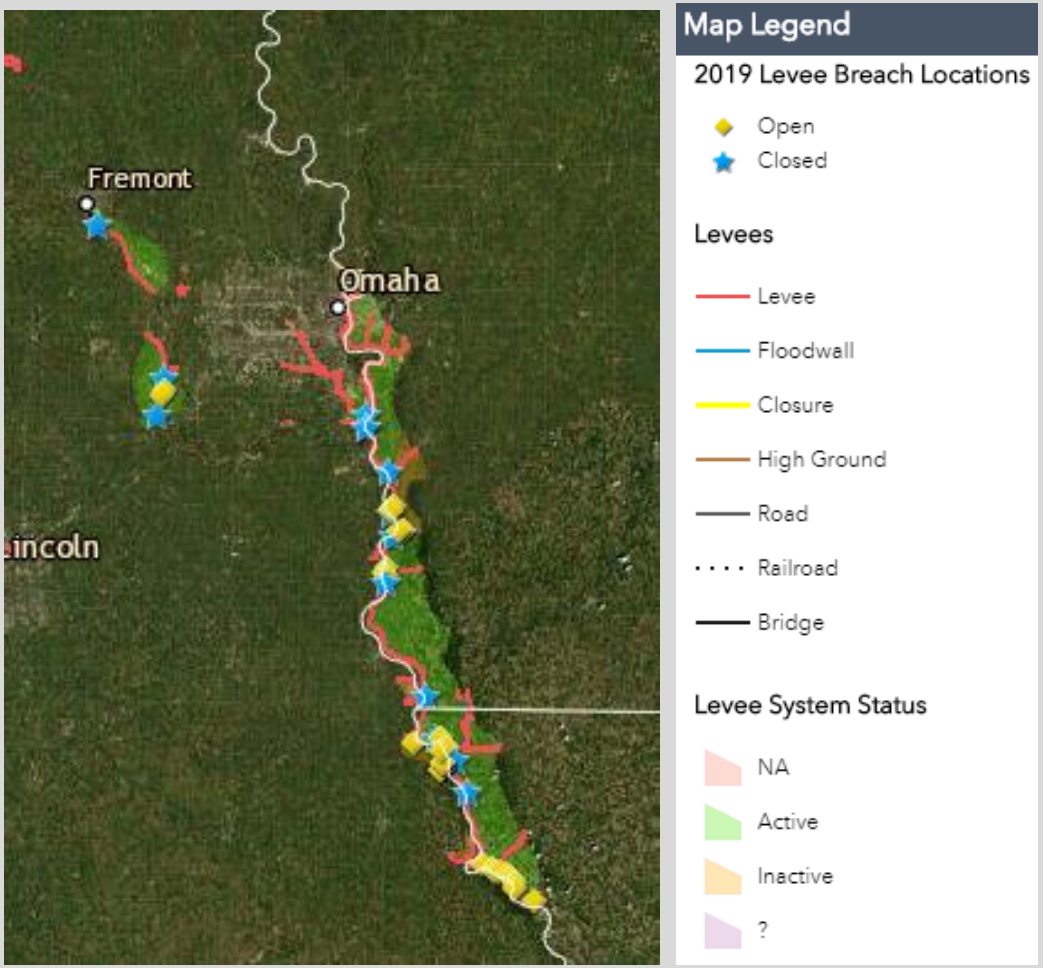

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Thank You

- **NWS Office Contacts**
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