Topic Team: Climate Collaboration Missouri Basin

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MBFCC Webinar (August 19)

- Topics/Research
 - "Explaining Hydrologic Extremes in the Upper Missouri River Basin" (Ben Livneh, CU/NOAA)
 - Handout
 - "The Physics of Drought in the U.S. Central Great Plains" (Ben Livneh, CU/NOAA)
 - "Paleo Reconstructions in the Upper Missouri Basin" (Greg Pederson, USGS)
 - Current Climate and Hydro Conditions
 - National Integrated Drought Information System (NIDIS) status (more later)
 - USDA/NRCS, EPA, FEMA, NPS, BOR, USGS, BIA, NOAA

NIDIS Activities: (Drought Early Warning System)

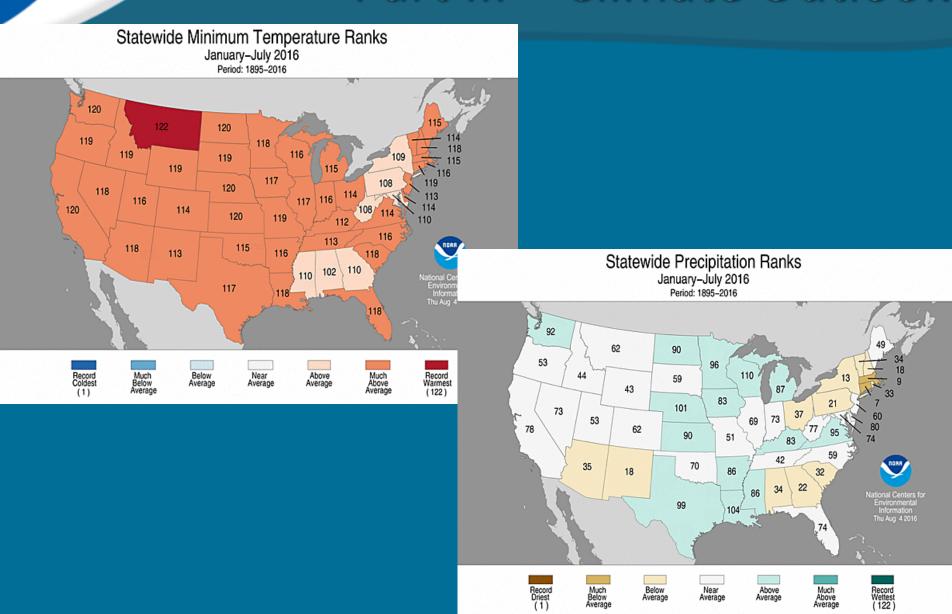
- KS Drought Tournament (November)
- Great Plains Tribal Water Alliance
 - Two successful grants w/BIA
- MO Basin Update meeting Q2
- Wind River
- Montana Drought Resilience Partnership
- KS Tribal Effort w/BIA

Part II Federal Round Robin

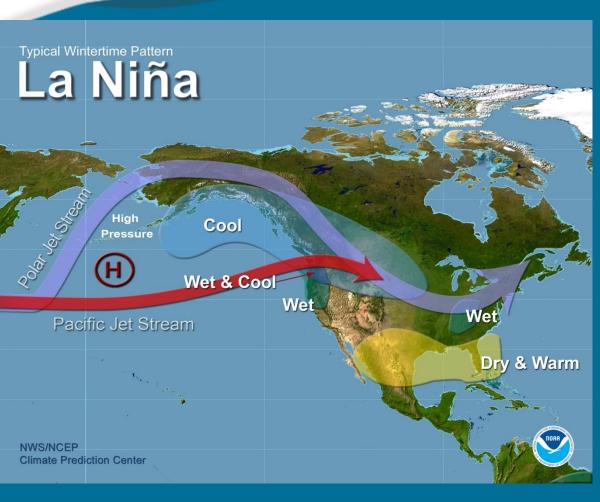
NOAA Update (fed round robin)

- NOAA Water Initiative
 - Hand out: New Model & Capacities
- National Climate Assessment 4.0
 - To be published late 2018
 - N. Great Plains & Midwest
- Federal Partners Tribal Partners Meeting
 - Nebraska City, September 12

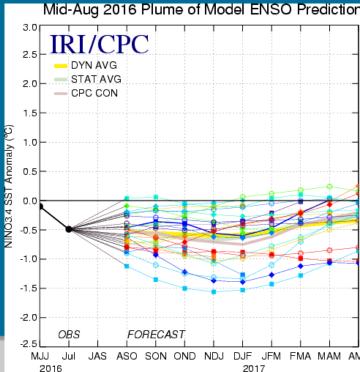
Part III – Climate Outlook



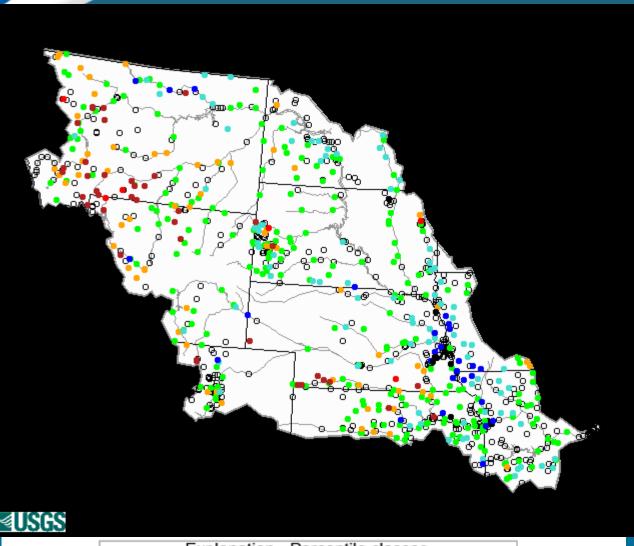
Current Conditions and Outlook



 Likely weak La Nina



28-Day Average Streamflow

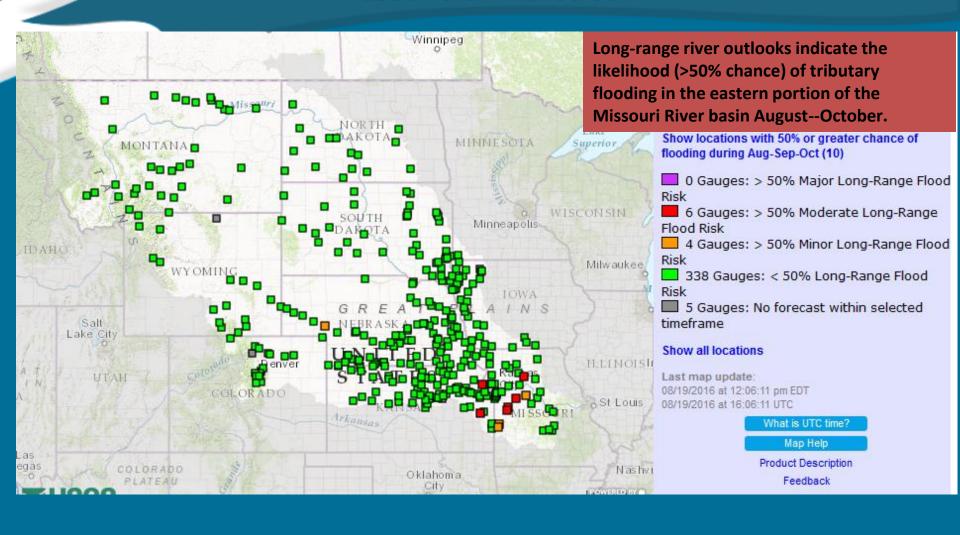


August 24th, 2016

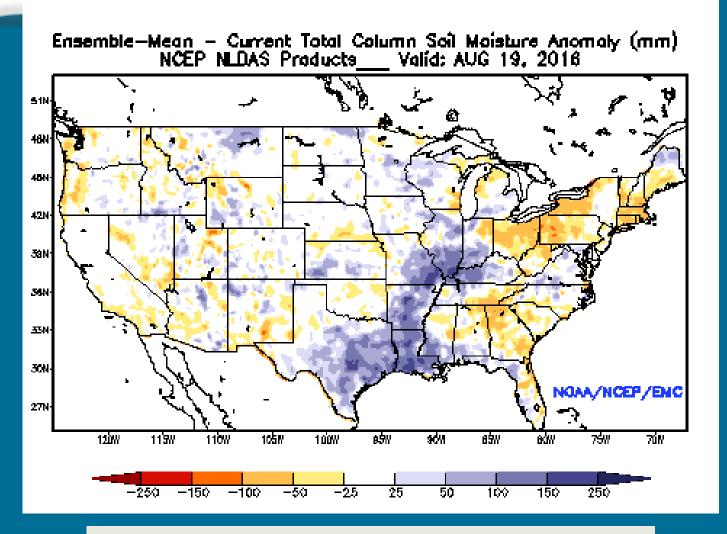
http://waterwatch.usgs.gov/

MISSOURI BASIN

FLOOD POTENTIAL AUG-OCT



Soil Moisture Anomaly



http://www.emc.ncep.noaa.gov/mmb/nldas/drought/

U.S. Drought Monitor Missouri Watershed

August 16, 2016

(Released Thursday, Aug. 18, 2016)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Сиптепт	55.13	44.87	16.15	5.68	1.33	0.00
Last Week 89/2016	51.54	48.46	18.36	5.83	1.60	0.00
3 Month's Ago 547/2016	88.50	11.50	2.74	0.20	0.00	0.00
Start of Calendar Year 12/29/2015	76.44	23.56	5.55	1.28	0.00	0.00
Start of Water Year 9/29/2015	65.65	34.35	6.75	3.42	0.66	0.00
One Year Ago 848/2015	84.15	15.85	5.37	1.91	0.11	0.00

Intensity:

D0 Abnormally Dry
D1 Moderate Drought
D2 Severe Drought

The Drought Monitor focuses on broad-scale conditions.

Local conditions may vary. See accompanying text summary for forecast statements.

Author:

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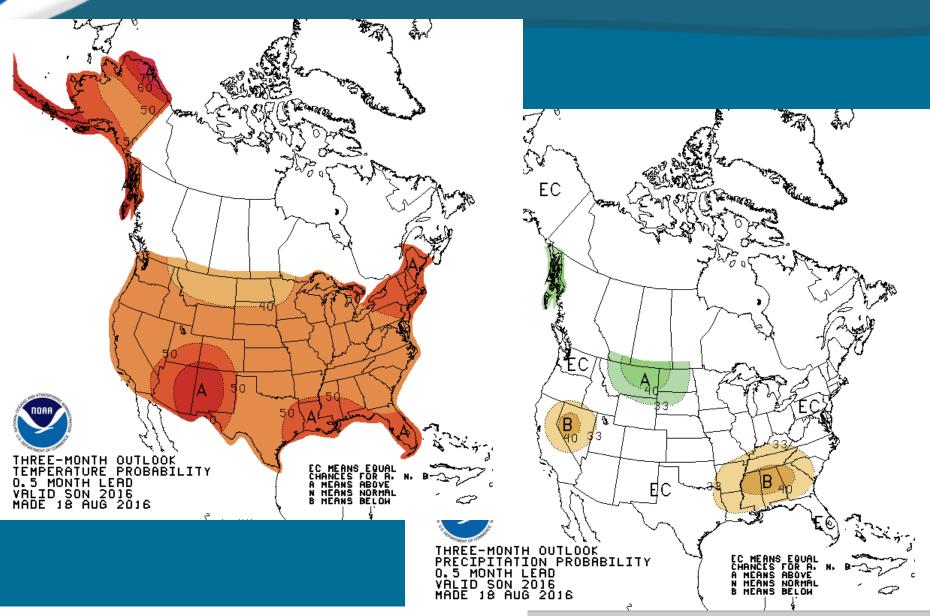






http://droughtmonitor.unl.edu/

Sep-Nov Temp & Precip Outlook



Dec-Feb Temp & Precip Outlook

