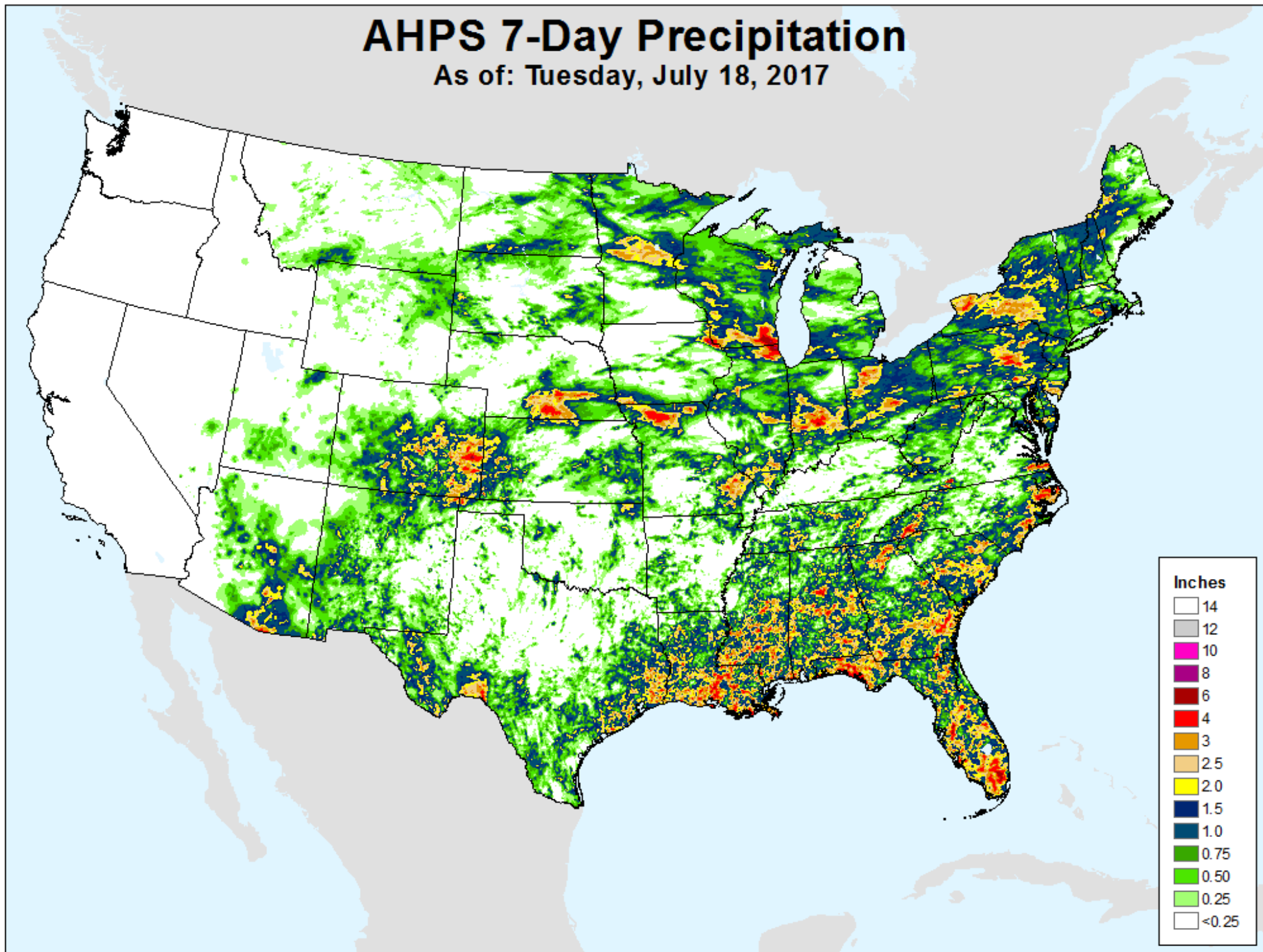


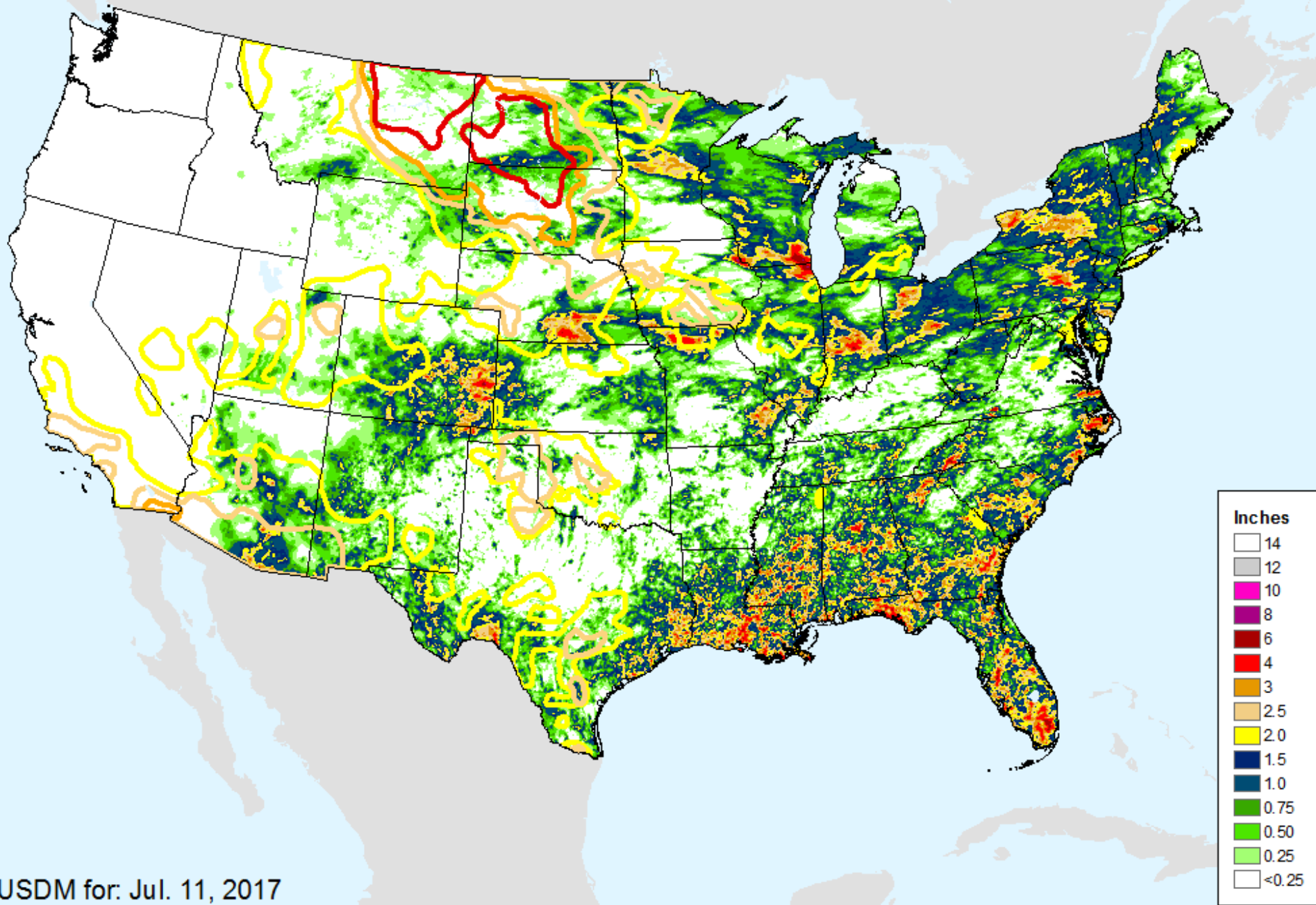
# AHPS 7-Day Precipitation

As of: Tuesday, July 18, 2017



# AHPS 7-Day Precipitation

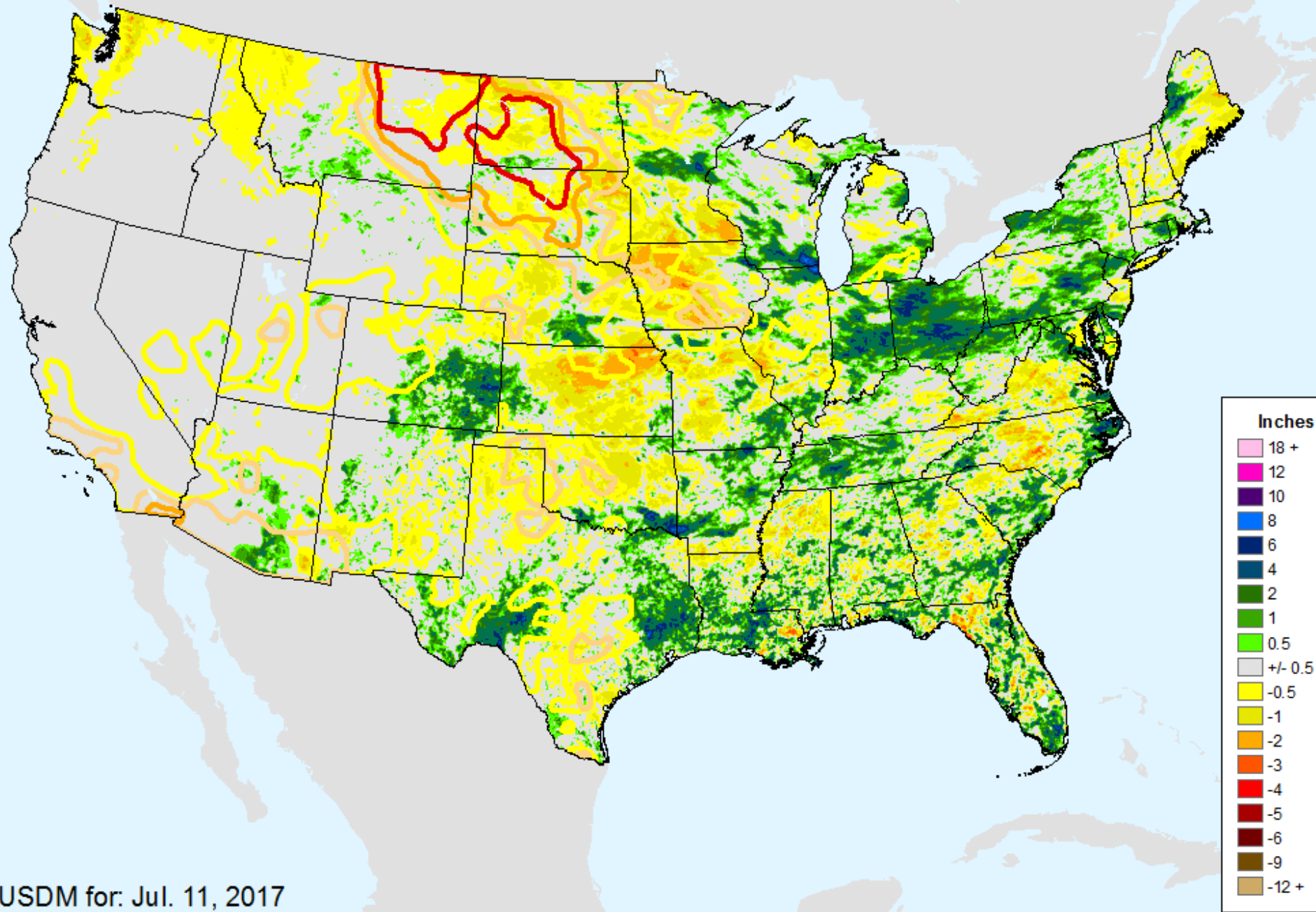
As of: Tuesday, July 18, 2017



USDM for: Jul. 11, 2017

# AHPS 14-Day Precip Departure

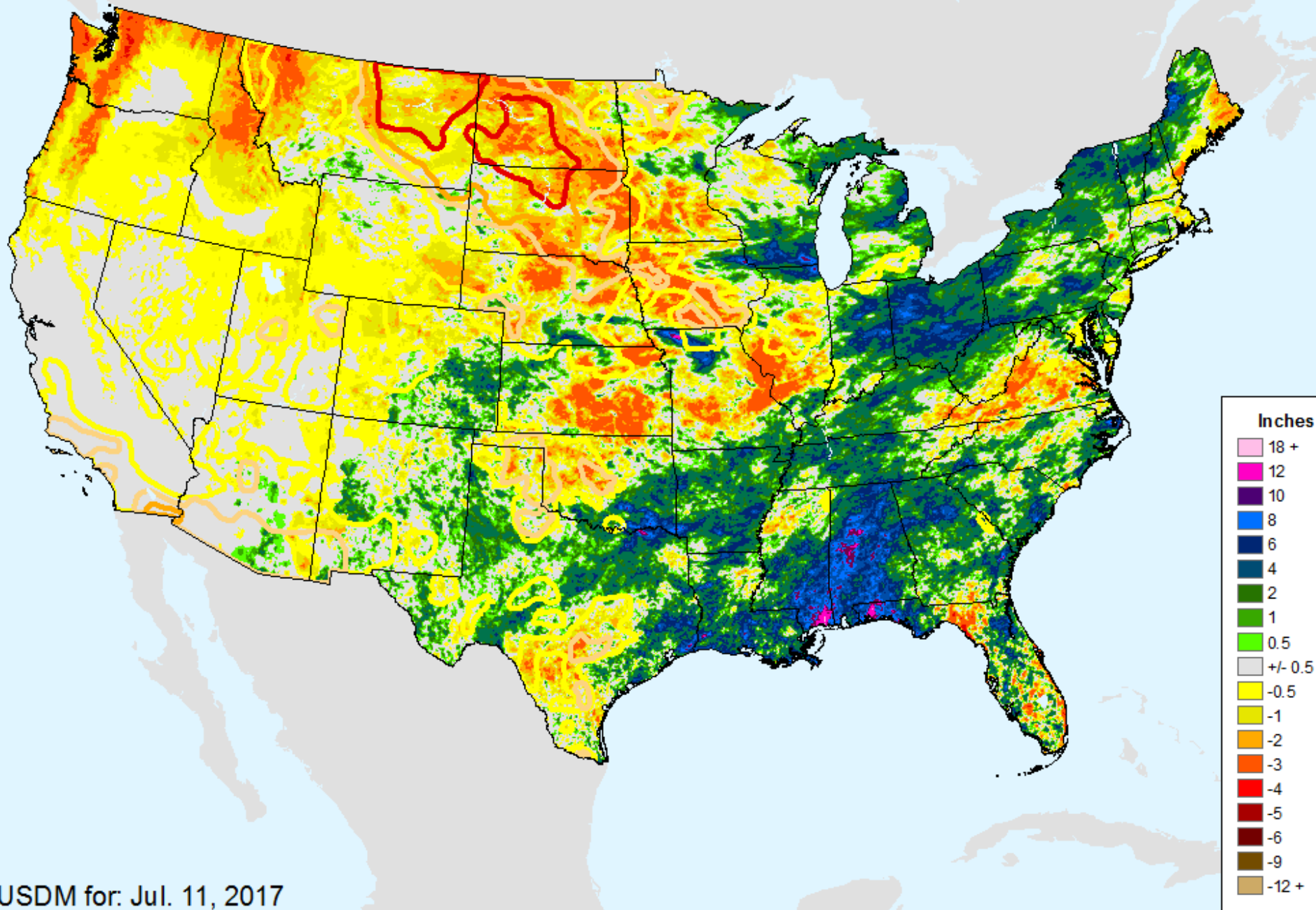
As of: Tuesday, July 18, 2017



USDM for: Jul. 11, 2017

# AHPS 30-Day Precip Departure

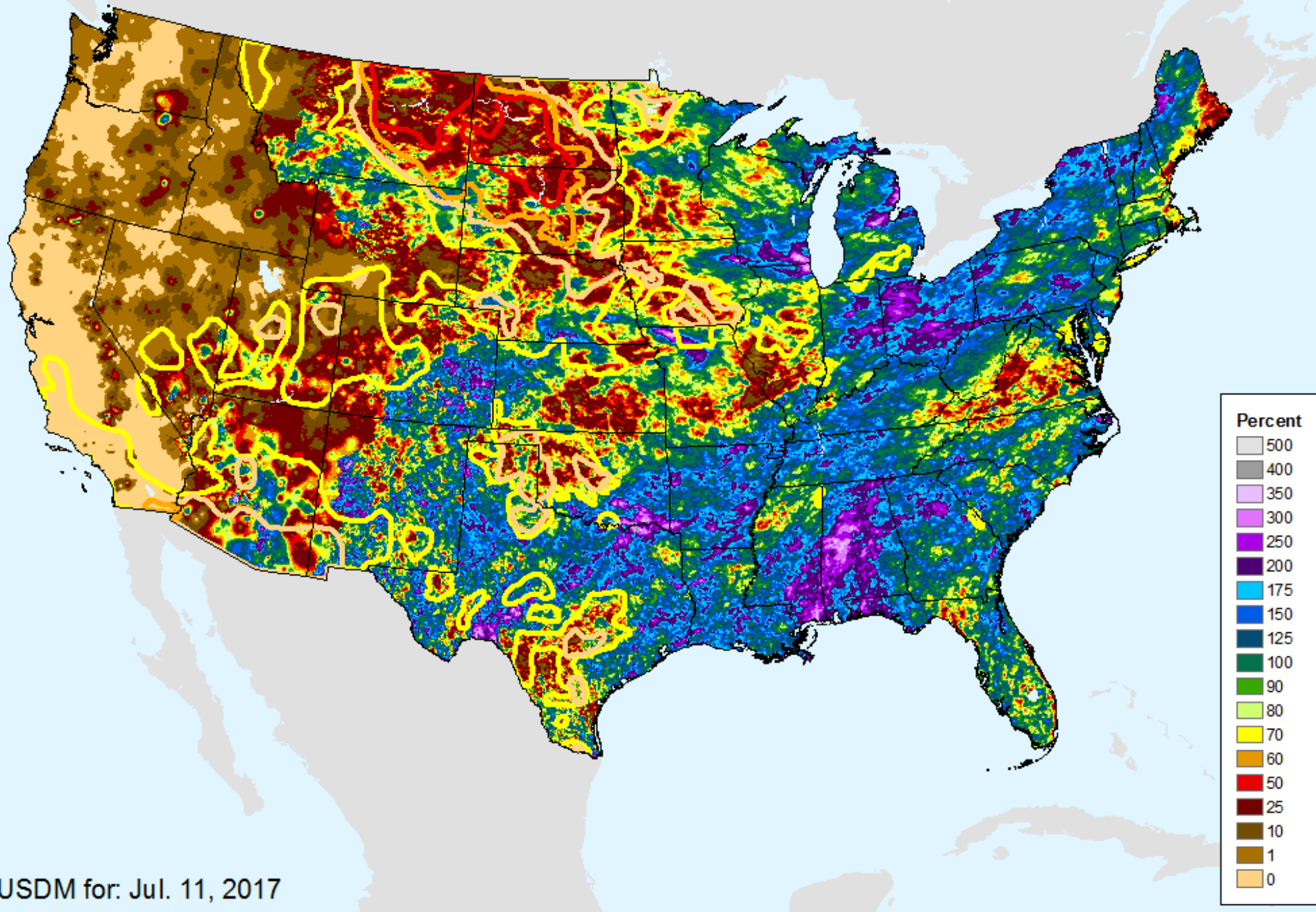
As of: Tuesday, July 18, 2017



USDM for: Jul. 11, 2017

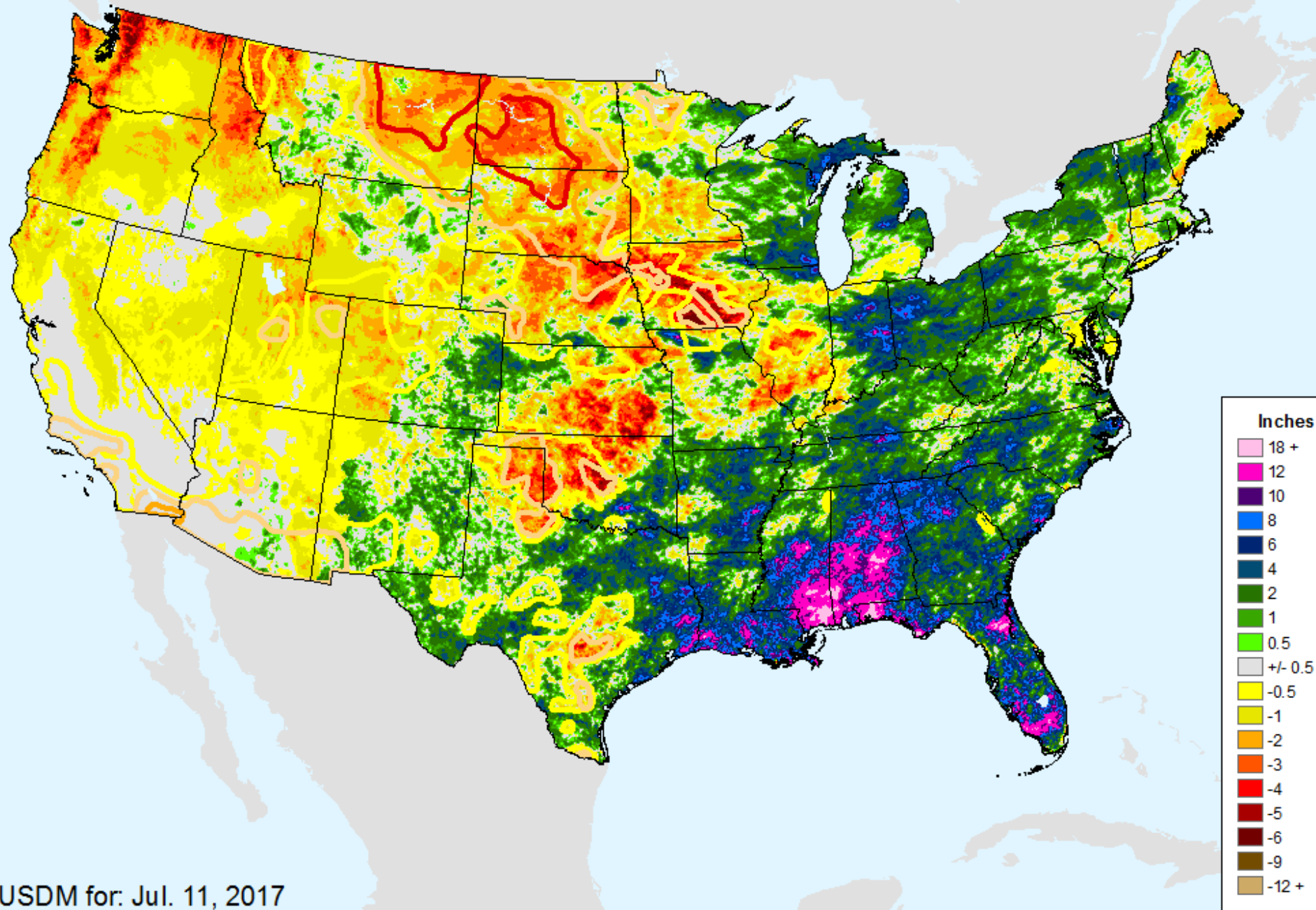
# AHPS 30-Day Pct of Normal Pcp

As of: Tuesday, July 18, 2017



# AHPS 60-Day Precip Departure

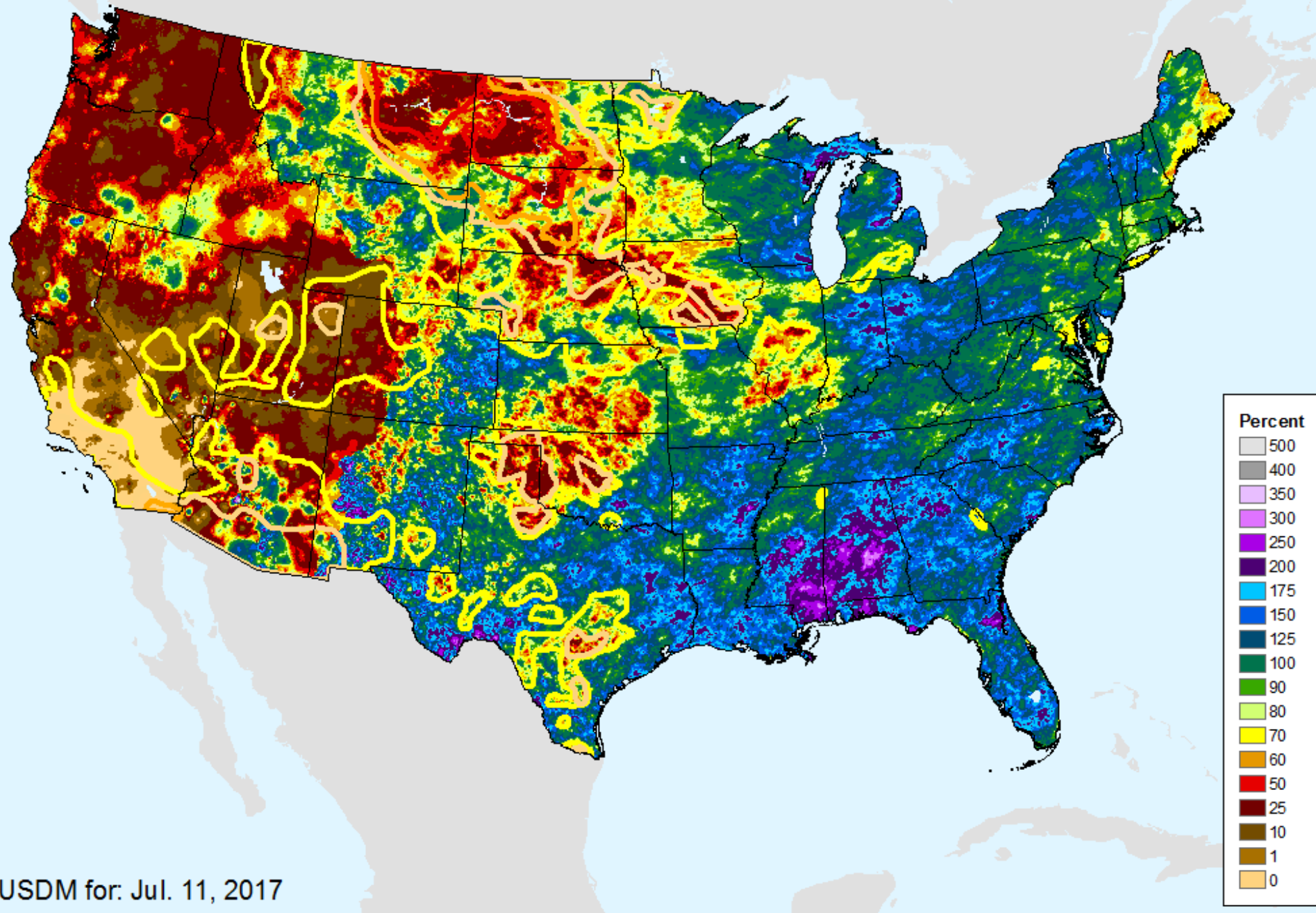
As of: Tuesday, July 18, 2017



USDM for: Jul. 11, 2017

# AHPS 60-Day Pct of Normal Pcp

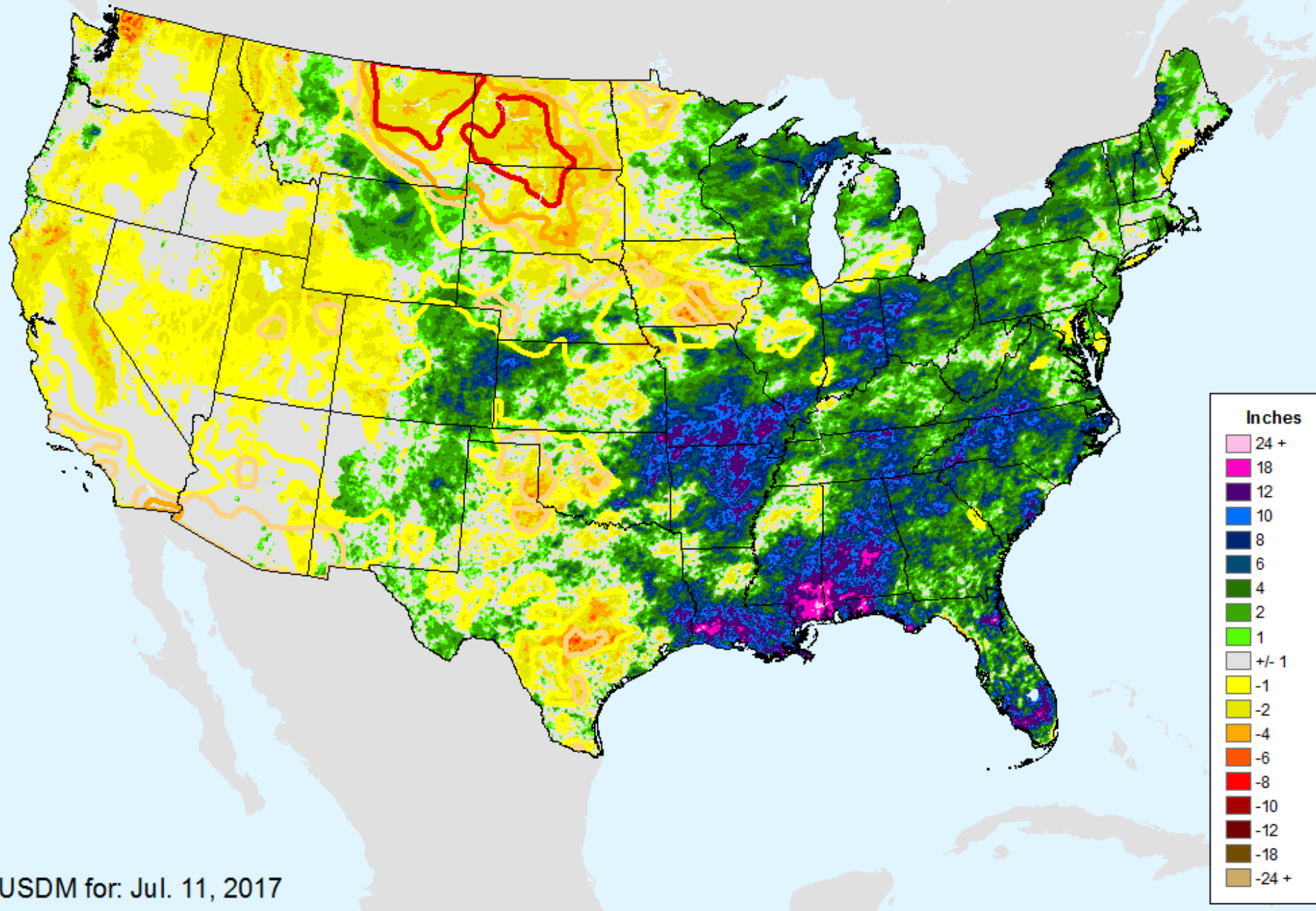
As of: Tuesday, July 18, 2017



USDM for: Jul. 11, 2017

# AHPS 90-Day Precip Departure

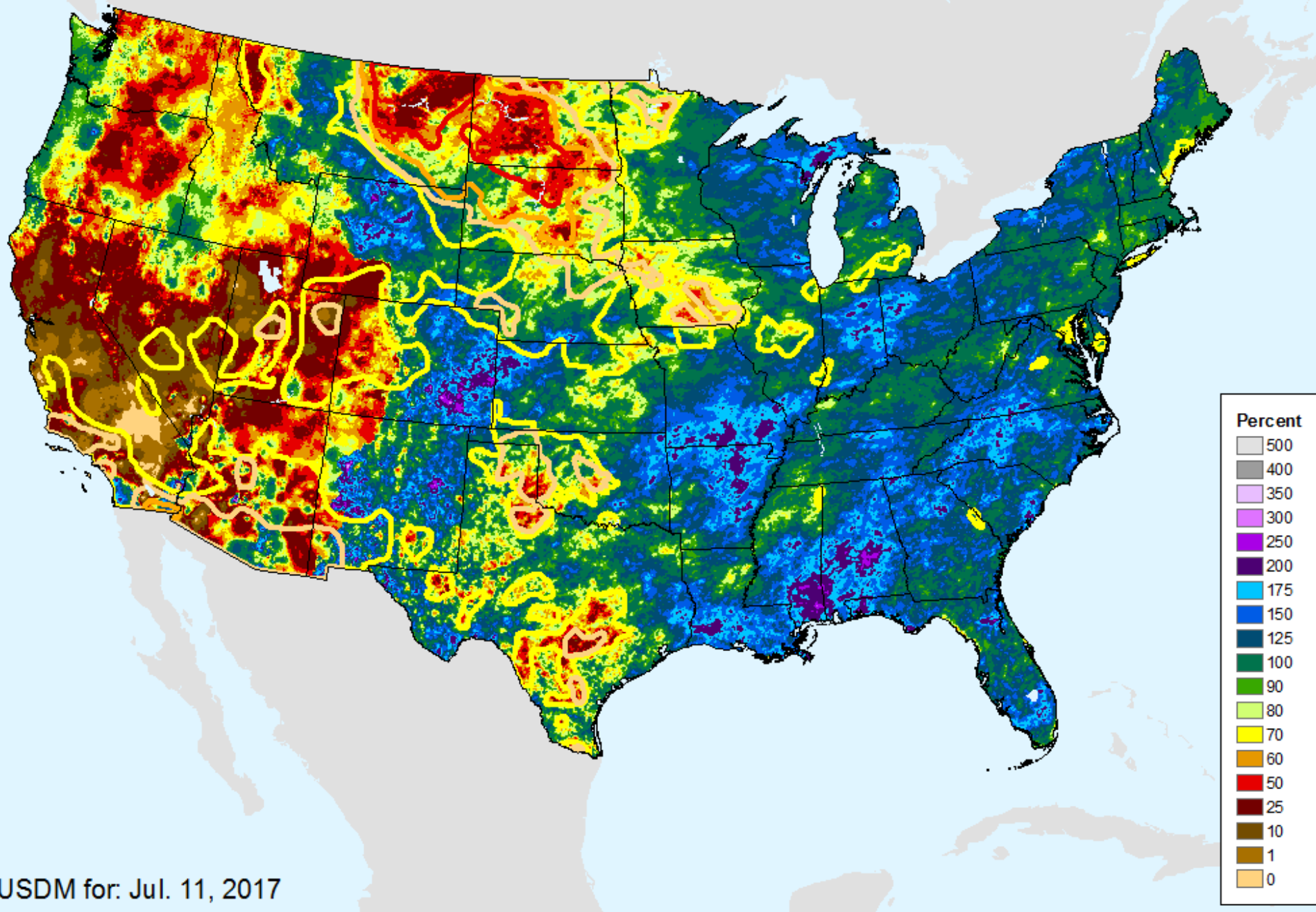
As of: Tuesday, July 18, 2017





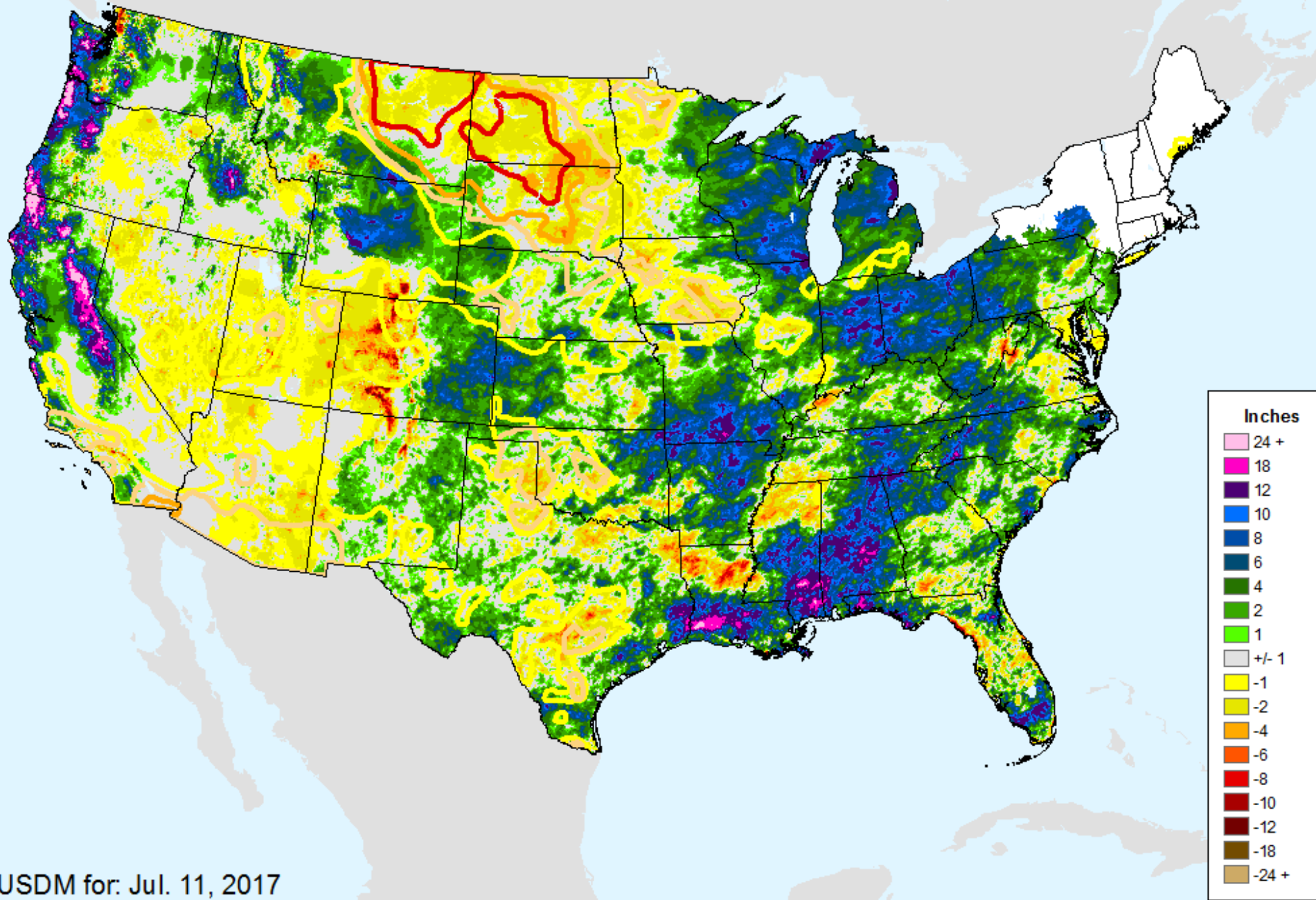
# AHPS 90-Day Pct of Normal Pcp

As of: Tuesday, July 18, 2017



# AHPS 180-Day Precip Departure

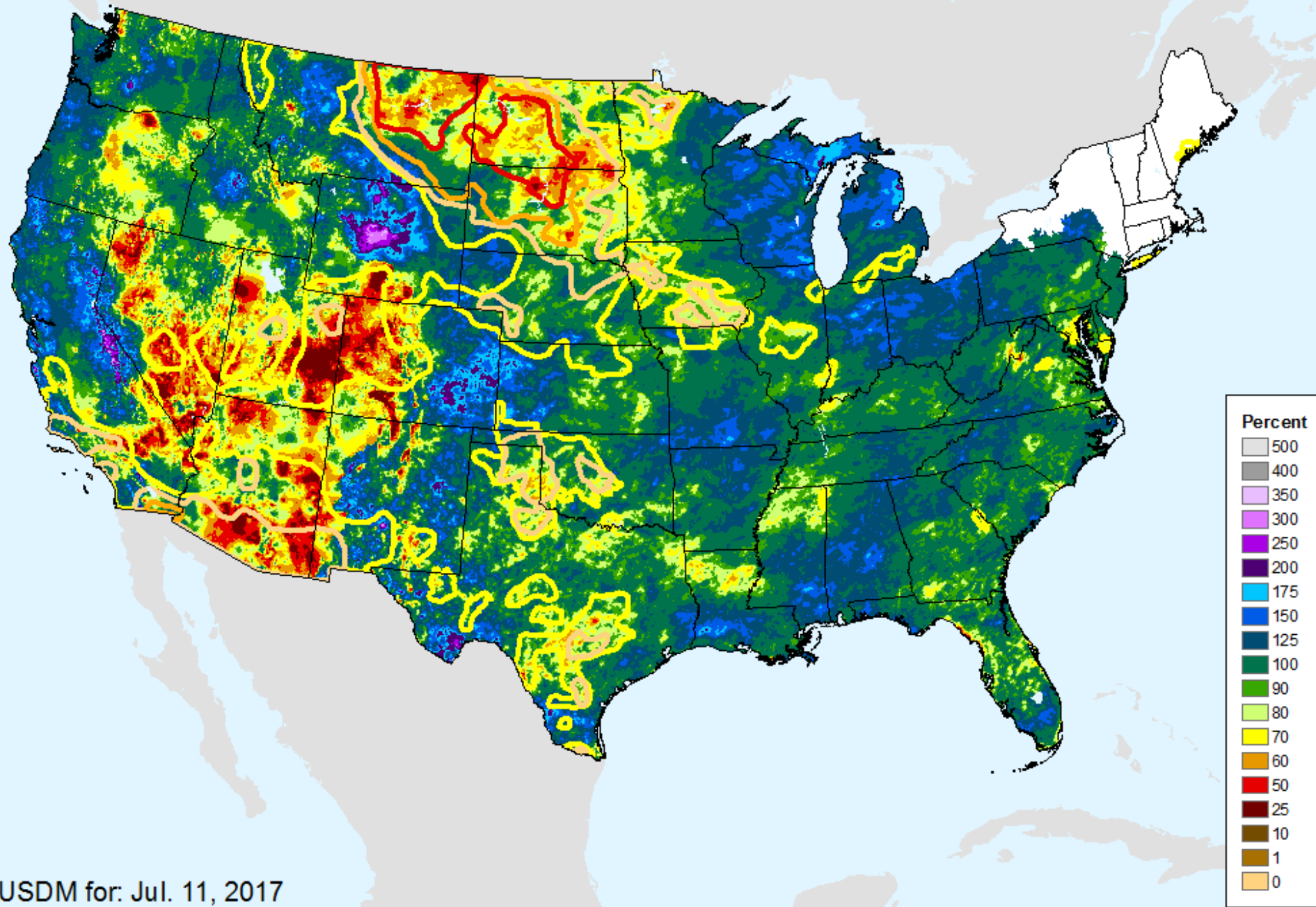
As of: Tuesday, July 18, 2017



USDM for: Jul. 11, 2017

# AHPS 180-Day Pct of Normal Pcp

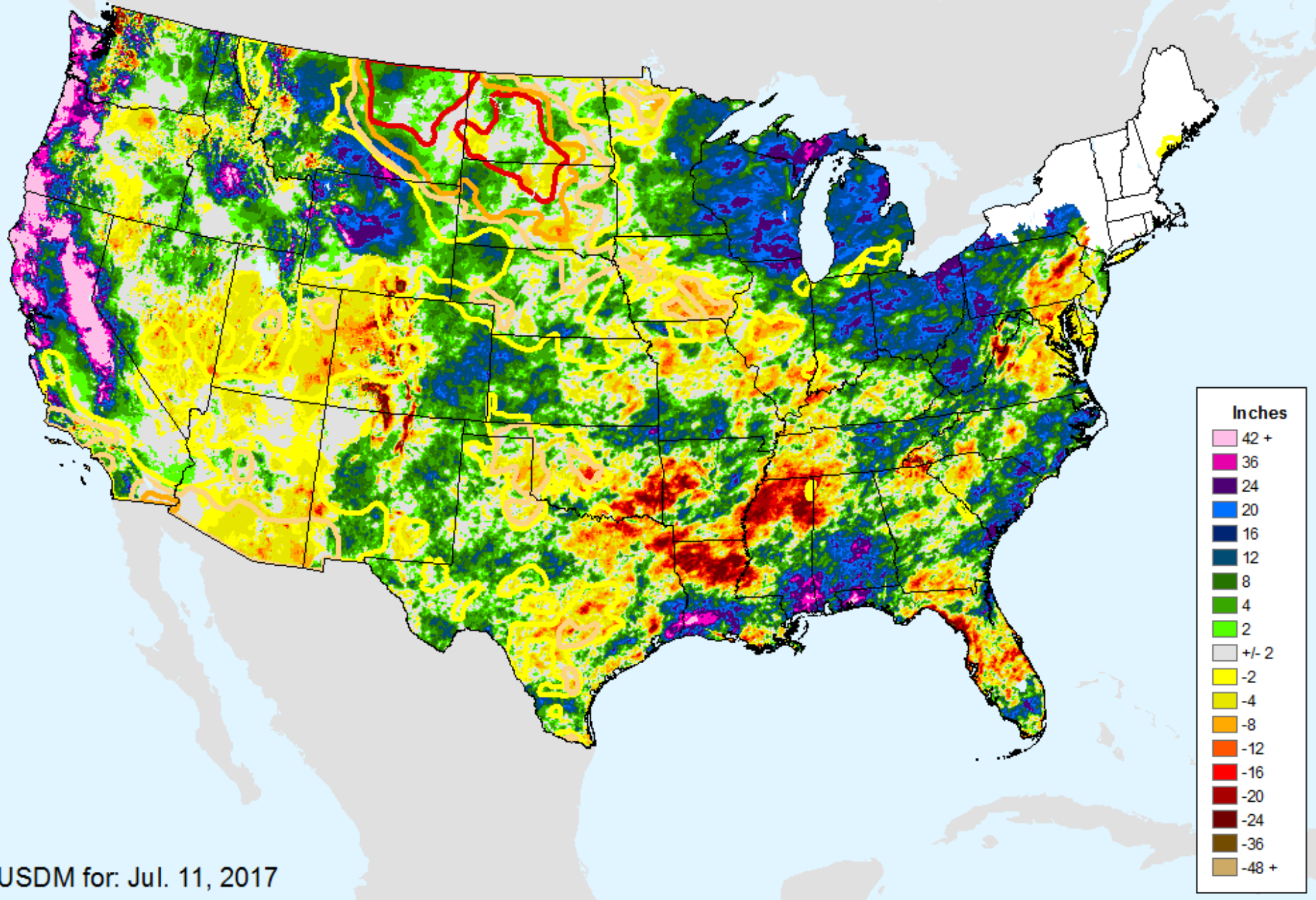
As of: Tuesday, July 18, 2017



USDM for: Jul. 11, 2017

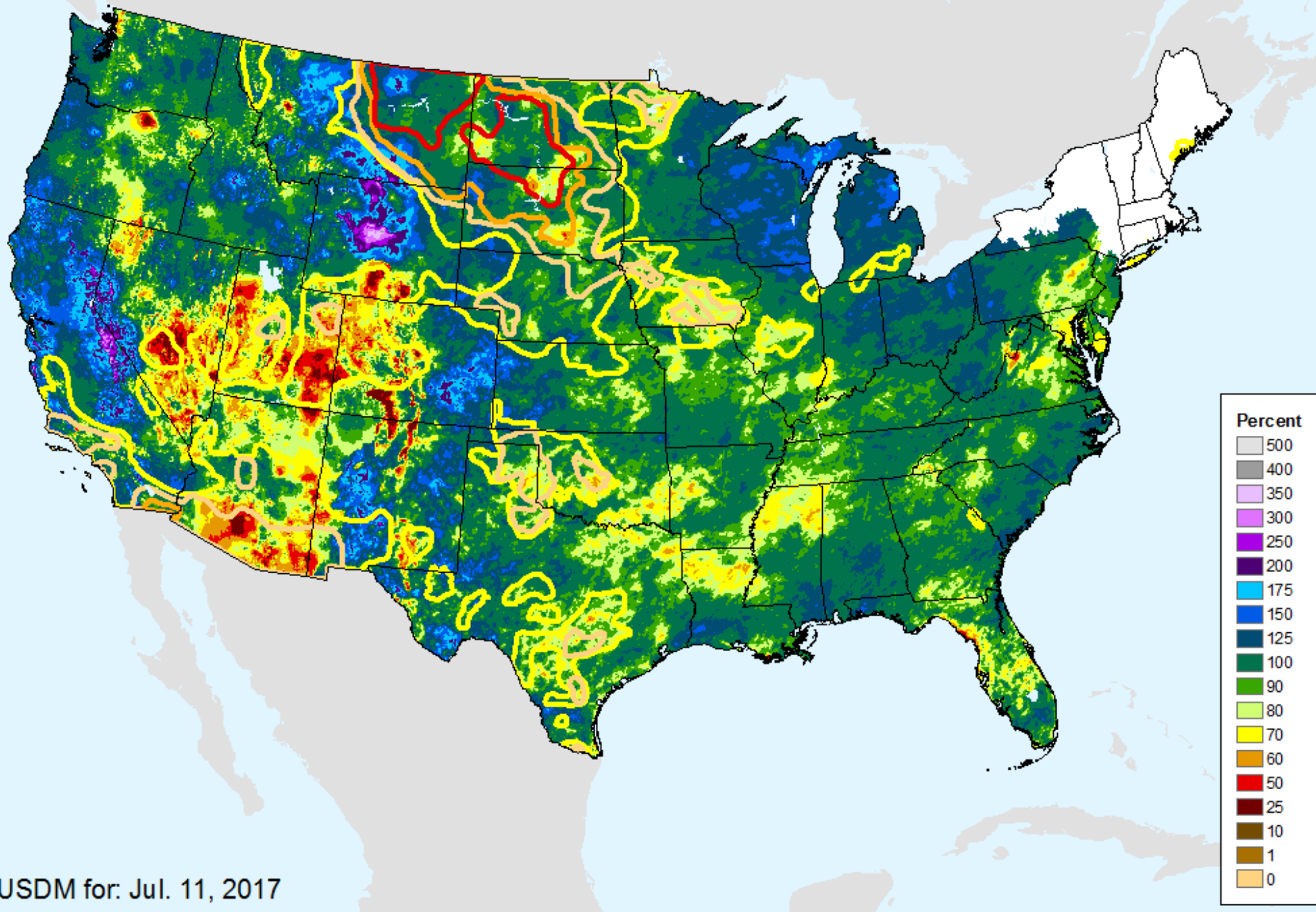
# AHPS Water-Year Precip Departure

As of: Tuesday, July 18, 2017



# AHPS Water-Year Pct of Normal Pcp

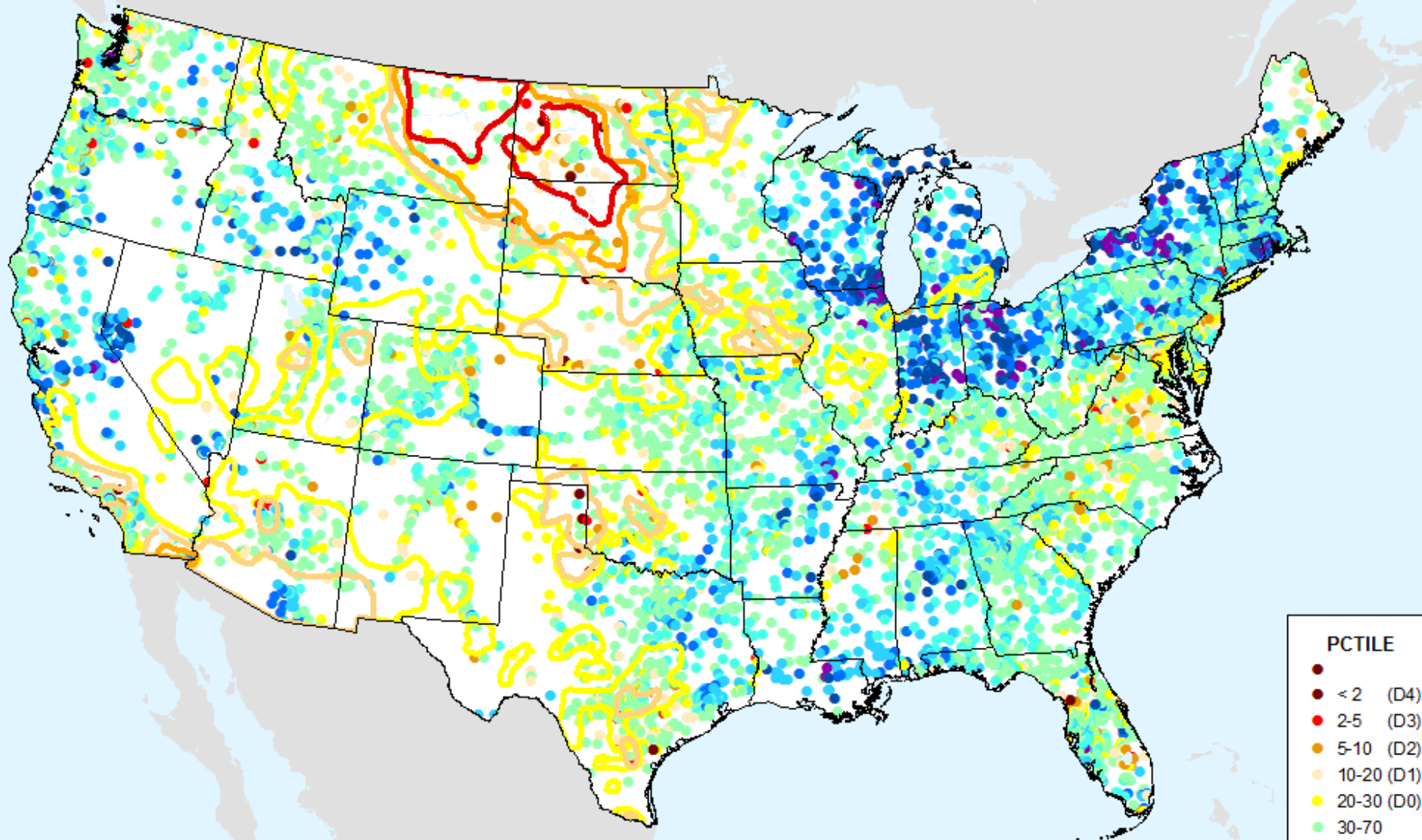
As of: Tuesday, July 18, 2017



USDM for: Jul. 11, 2017

# USGS 7-Day Avg Streamflow

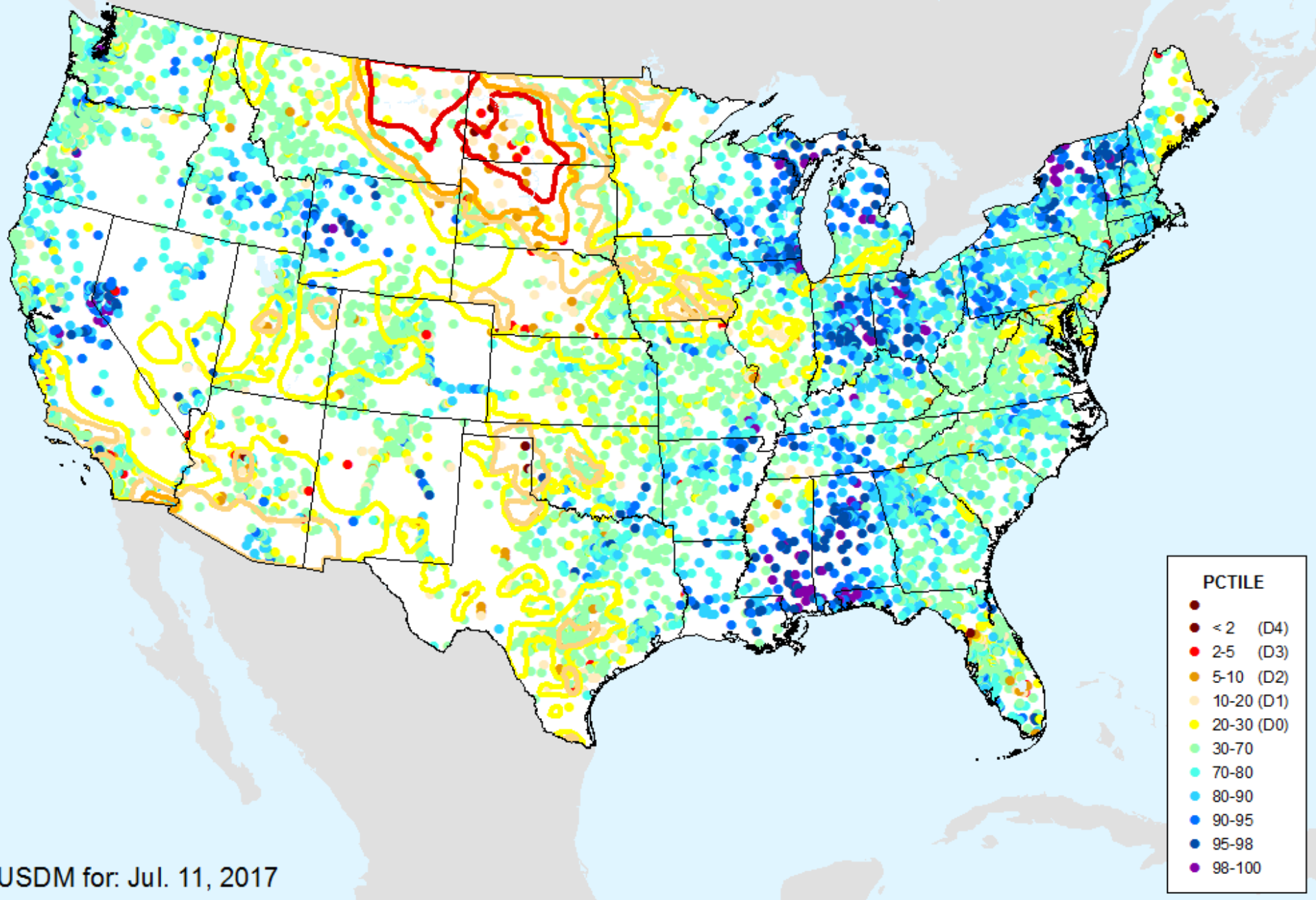
As of: Tuesday, July 18, 2017



USDM for: Jul. 11, 2017

# USGS 28-Day Avg Streamflow

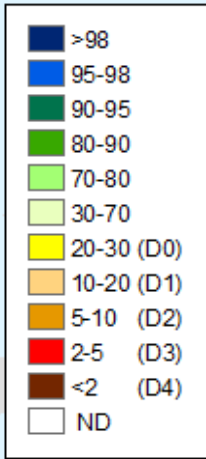
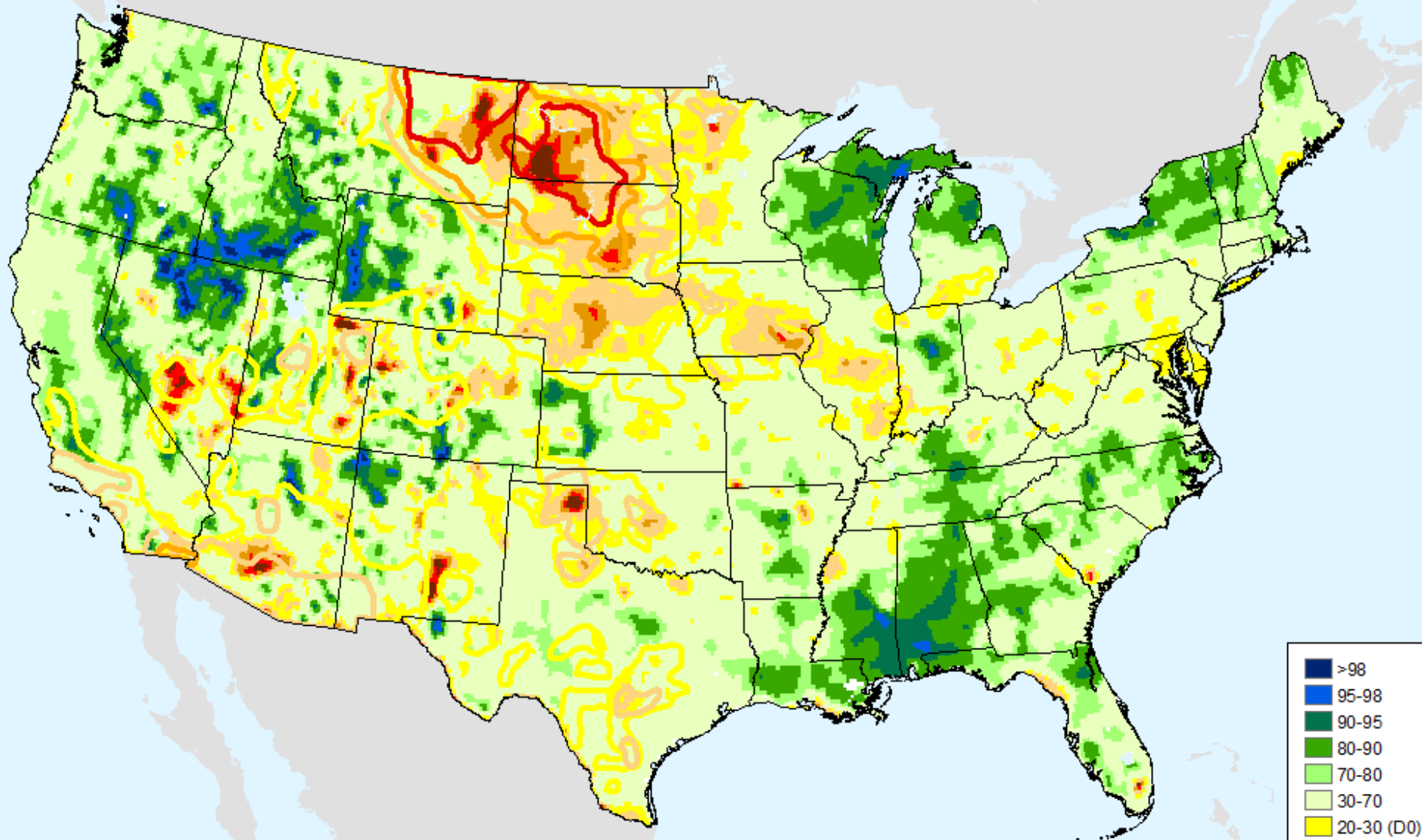
As of: Tuesday, July 18, 2017



USDM for: Jul. 11, 2017

# NLDAS Top 1m Soil Moisture

As of: Tuesday, July 18, 2017

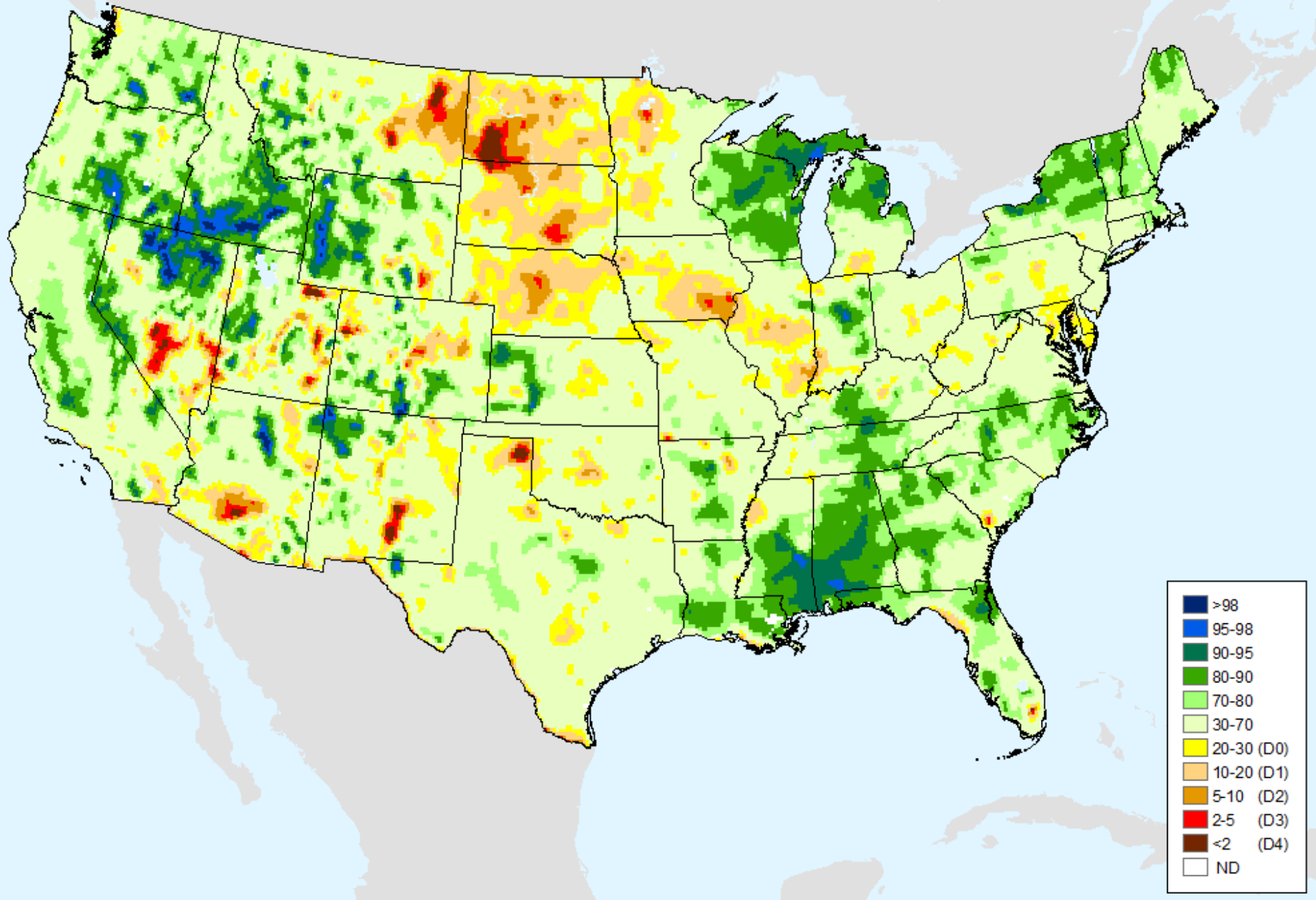


USDM for: Jul. 11, 2017



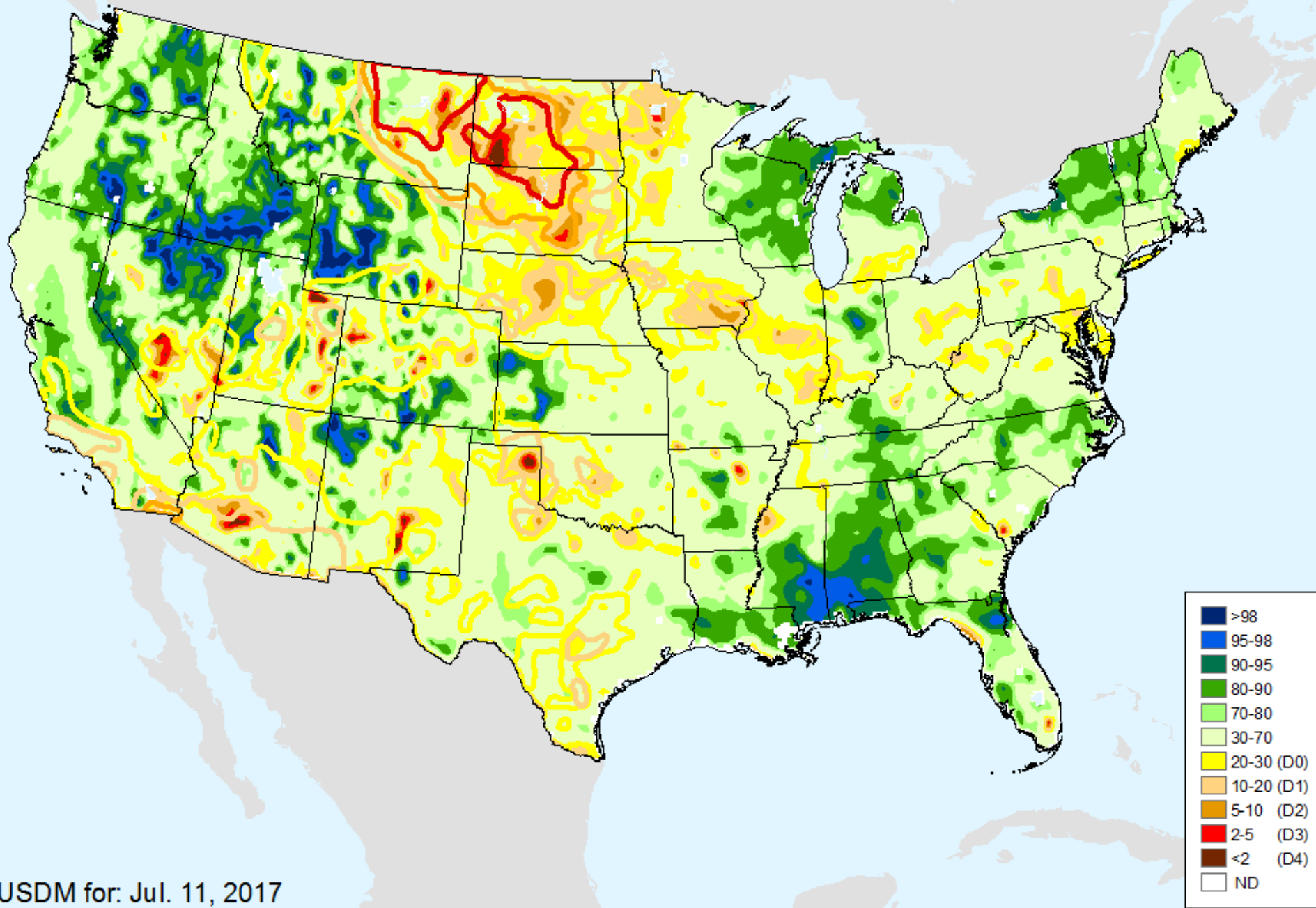
# NLDAS Top 1m Soil Moisture

As of: Tuesday, July 18, 2017



# NLDAS Total Column Soil Moisture

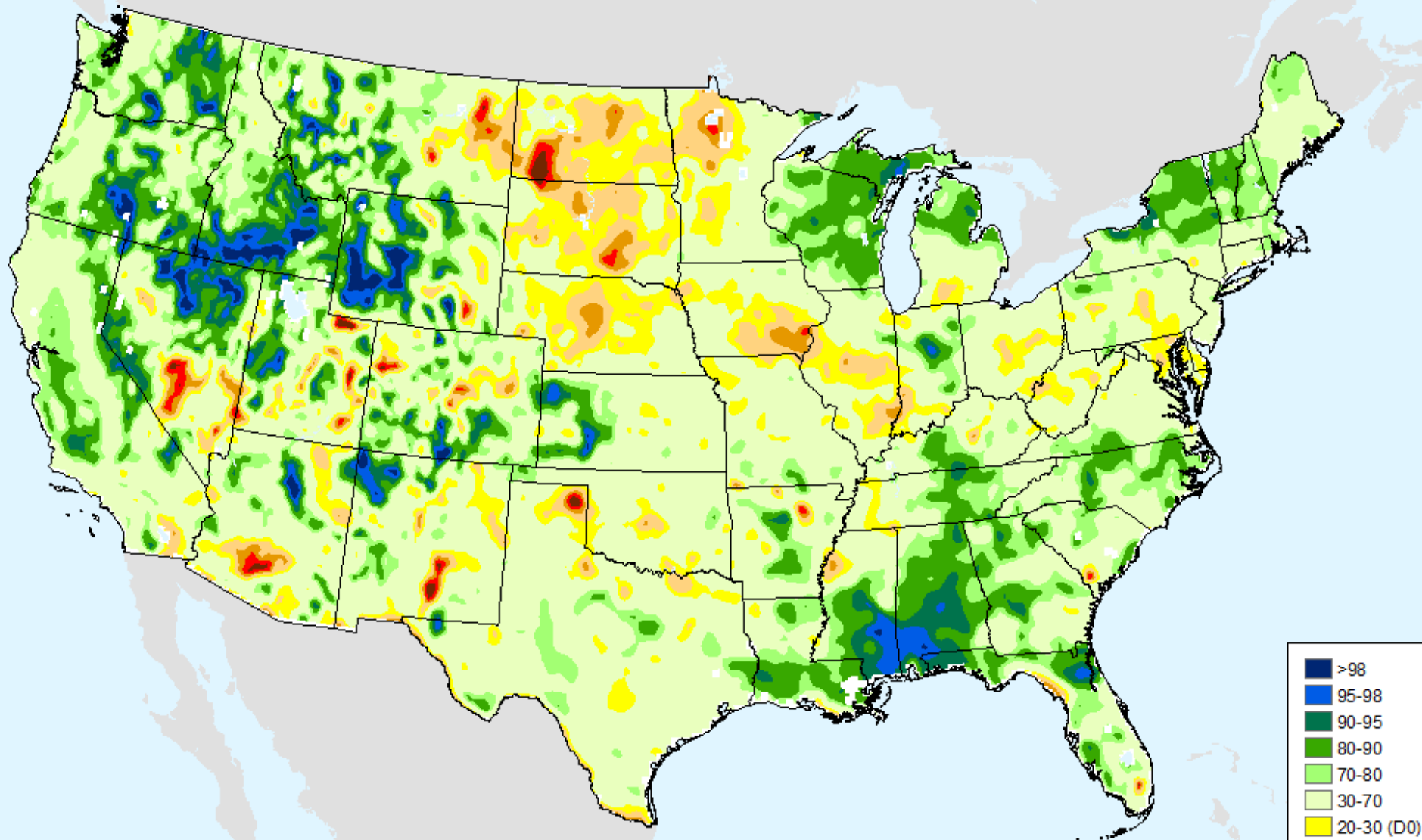
As of: Tuesday, July 18, 2017



USDM for: Jul. 11, 2017

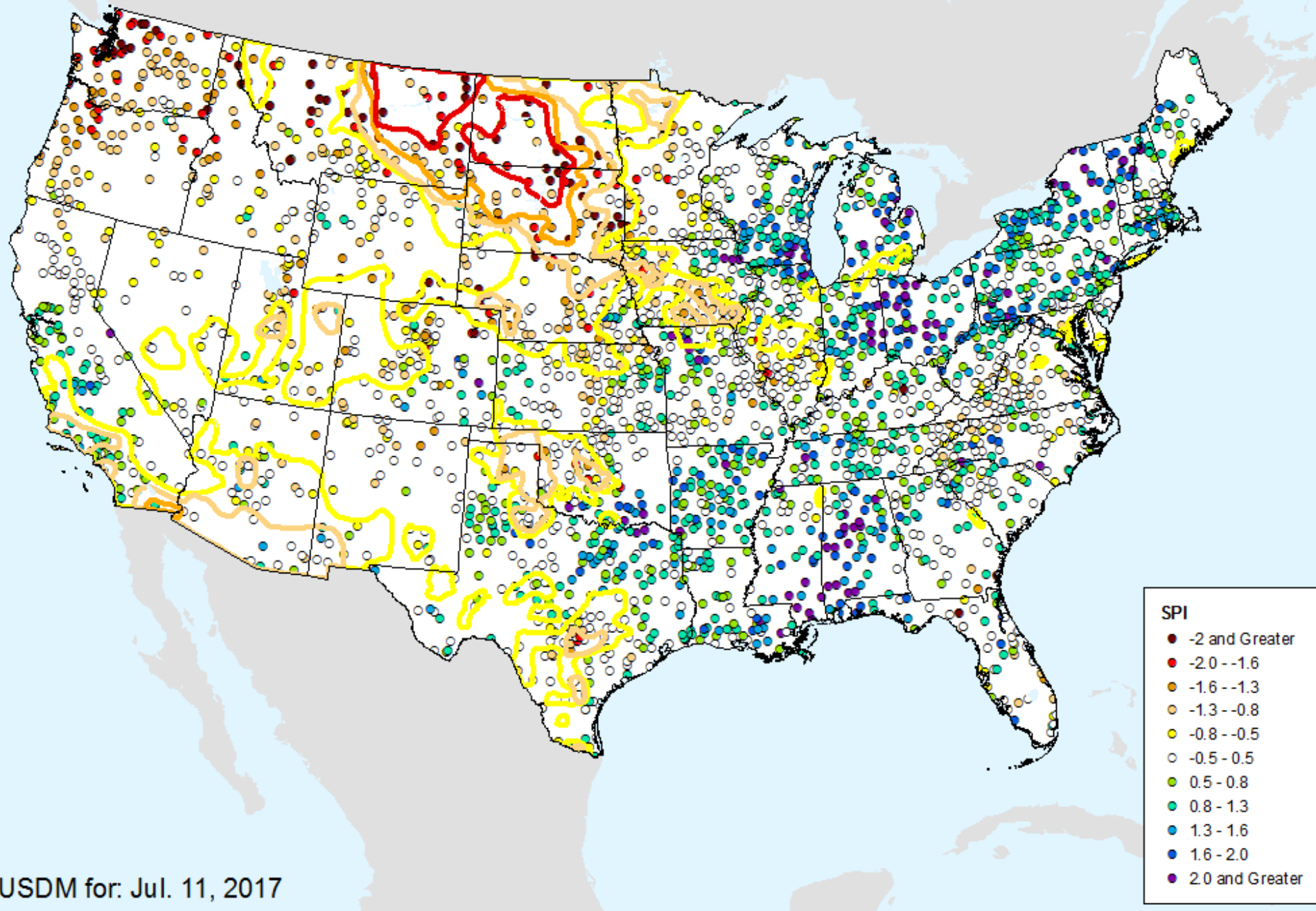
# NLDAS Total Column Soil Moisture

As of: Tuesday, July 18, 2017



# HPRCC 1-month SPI

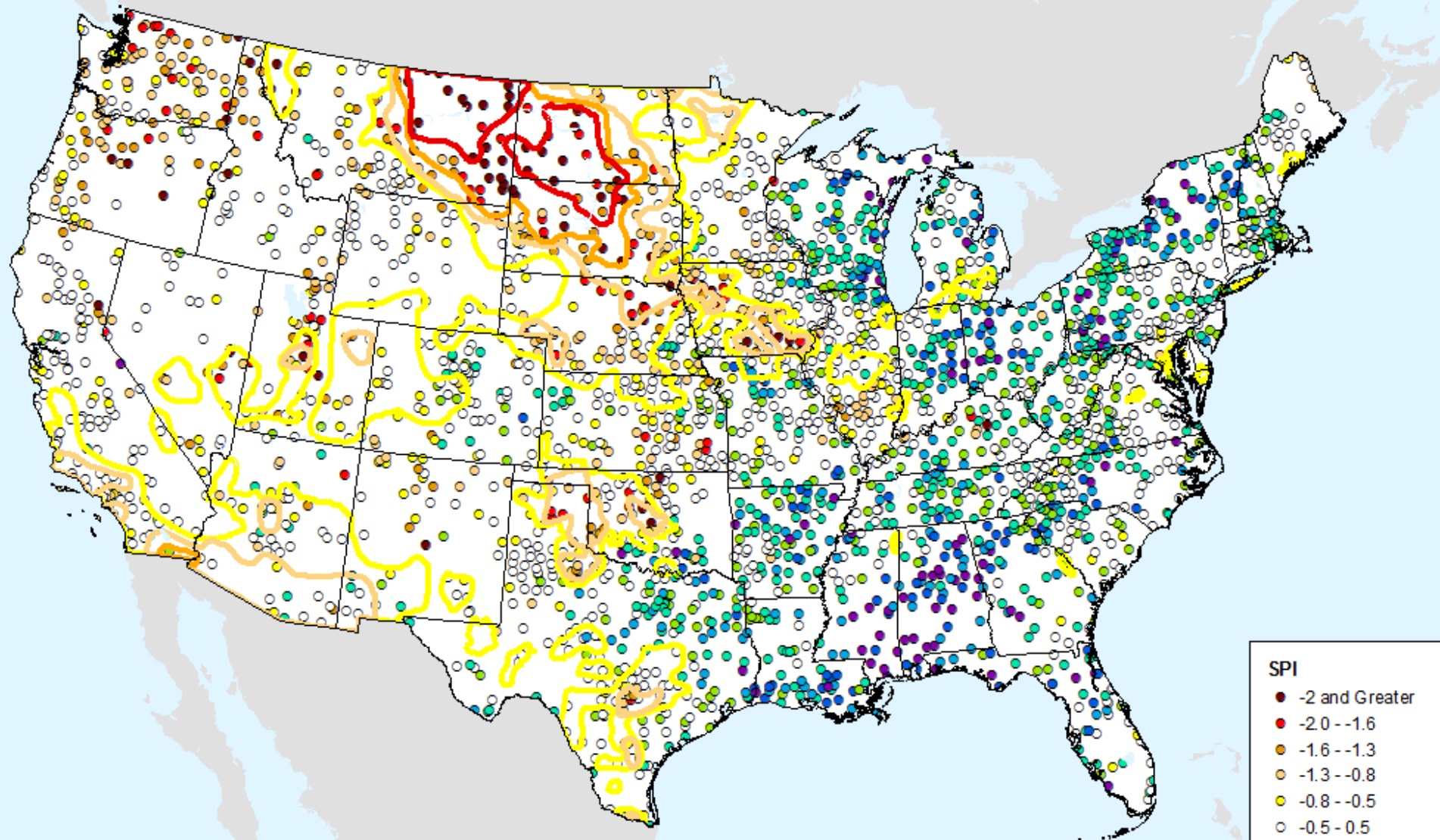
As of: Tuesday, July 18, 2017



USDM for: Jul. 11, 2017

# HPRCC 2-month SPI

As of: Tuesday, July 18, 2017

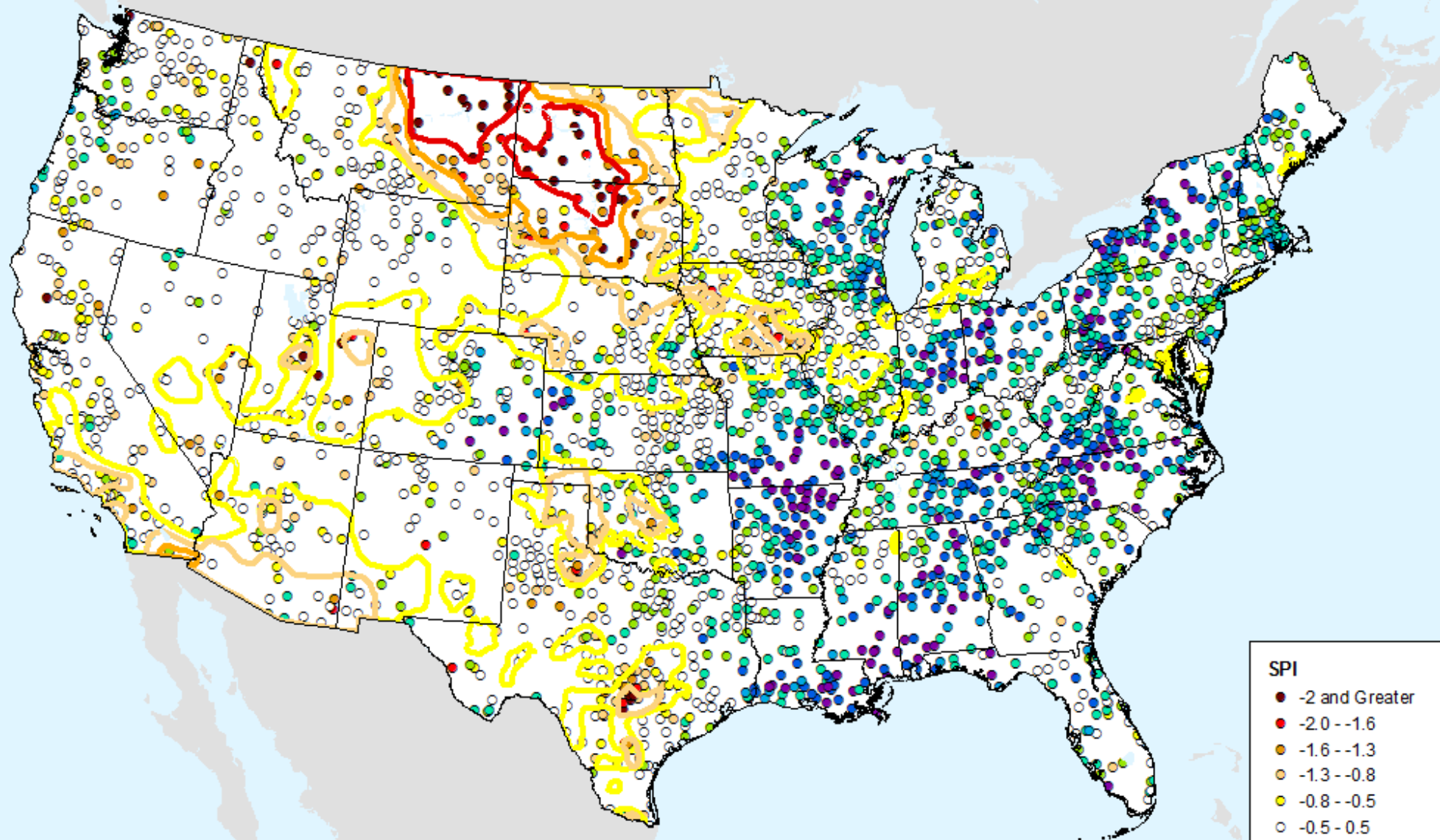


- SPI**
- -2 and Greater
  - -2.0 -- -1.6
  - -1.6 -- -1.3
  - -1.3 -- -0.8
  - -0.8 -- -0.5
  - -0.5 - 0.5
  - 0.5 - 0.8
  - 0.8 - 1.3
  - 1.3 - 1.6
  - 1.6 - 2.0
  - 2.0 and Greater

USDM for: Jul. 11, 2017

# HPRCC 3-month SPI

As of: Tuesday, July 18, 2017

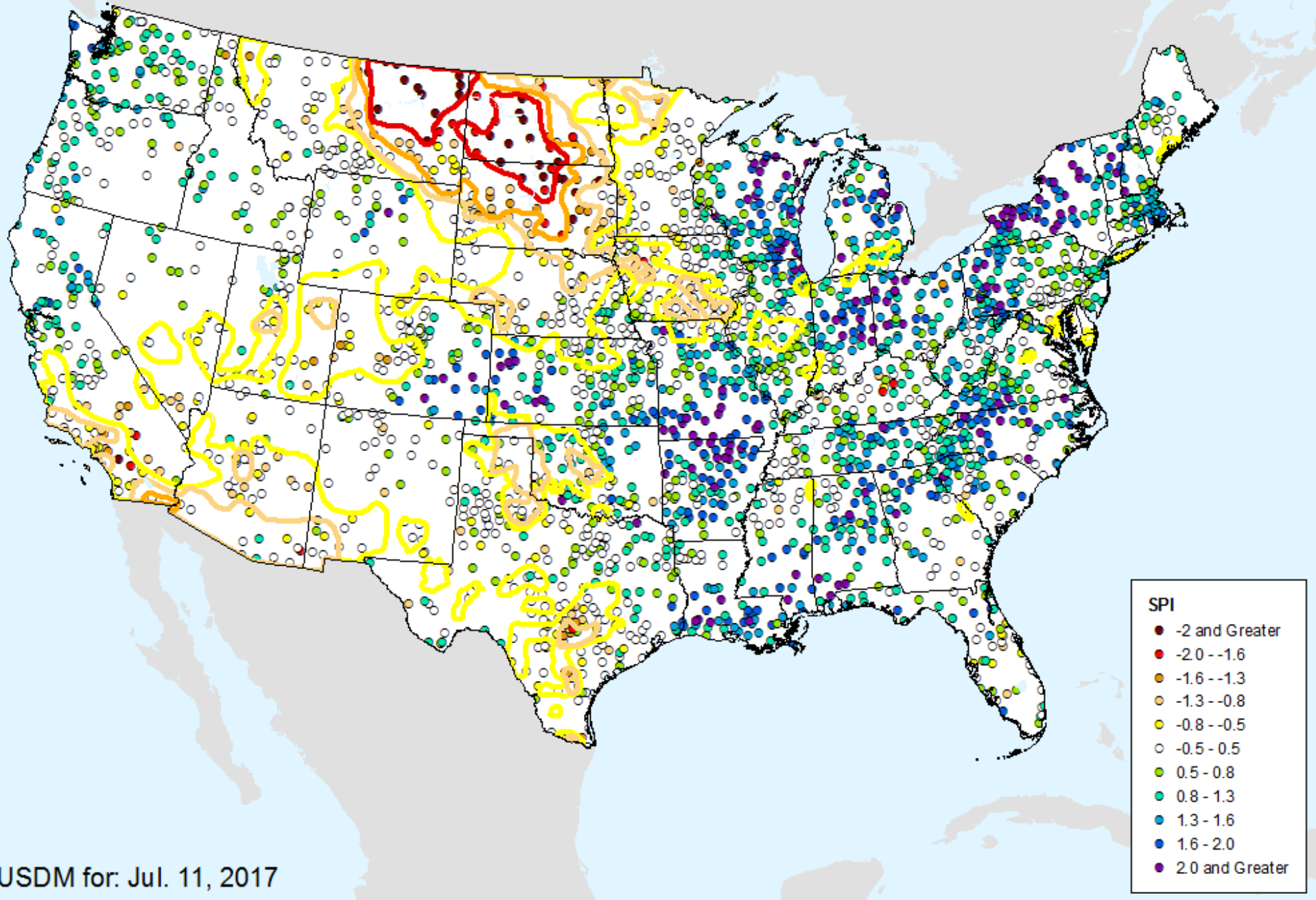


- SPI**
- -2 and Greater
  - -2.0 --1.6
  - -1.6 --1.3
  - -1.3 --0.8
  - -0.8 --0.5
  - -0.5 -0.5
  - 0.5 -0.8
  - 0.8 -1.3
  - 1.3 -1.6
  - 1.6 -2.0
  - 2.0 and Greater

USDM for: Jul. 11, 2017

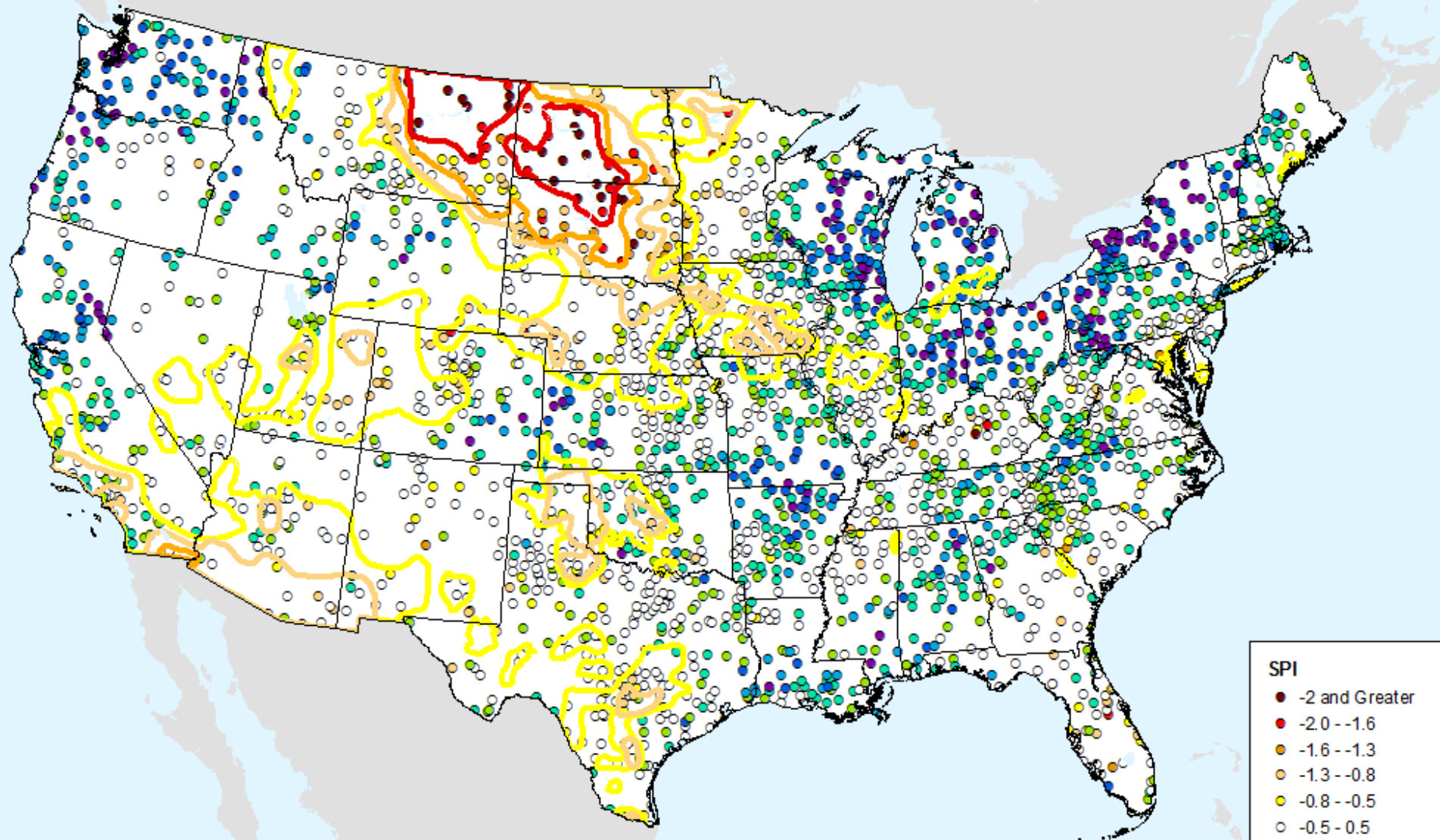
# HPRCC 4-month SPI

As of: Tuesday, July 18, 2017



# HPRCC 6-month SPI

As of: Tuesday, July 18, 2017



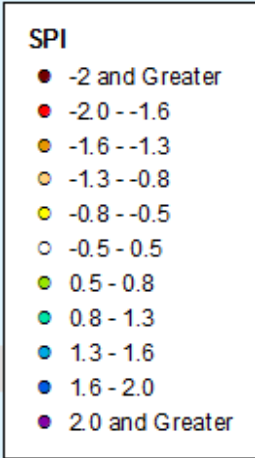
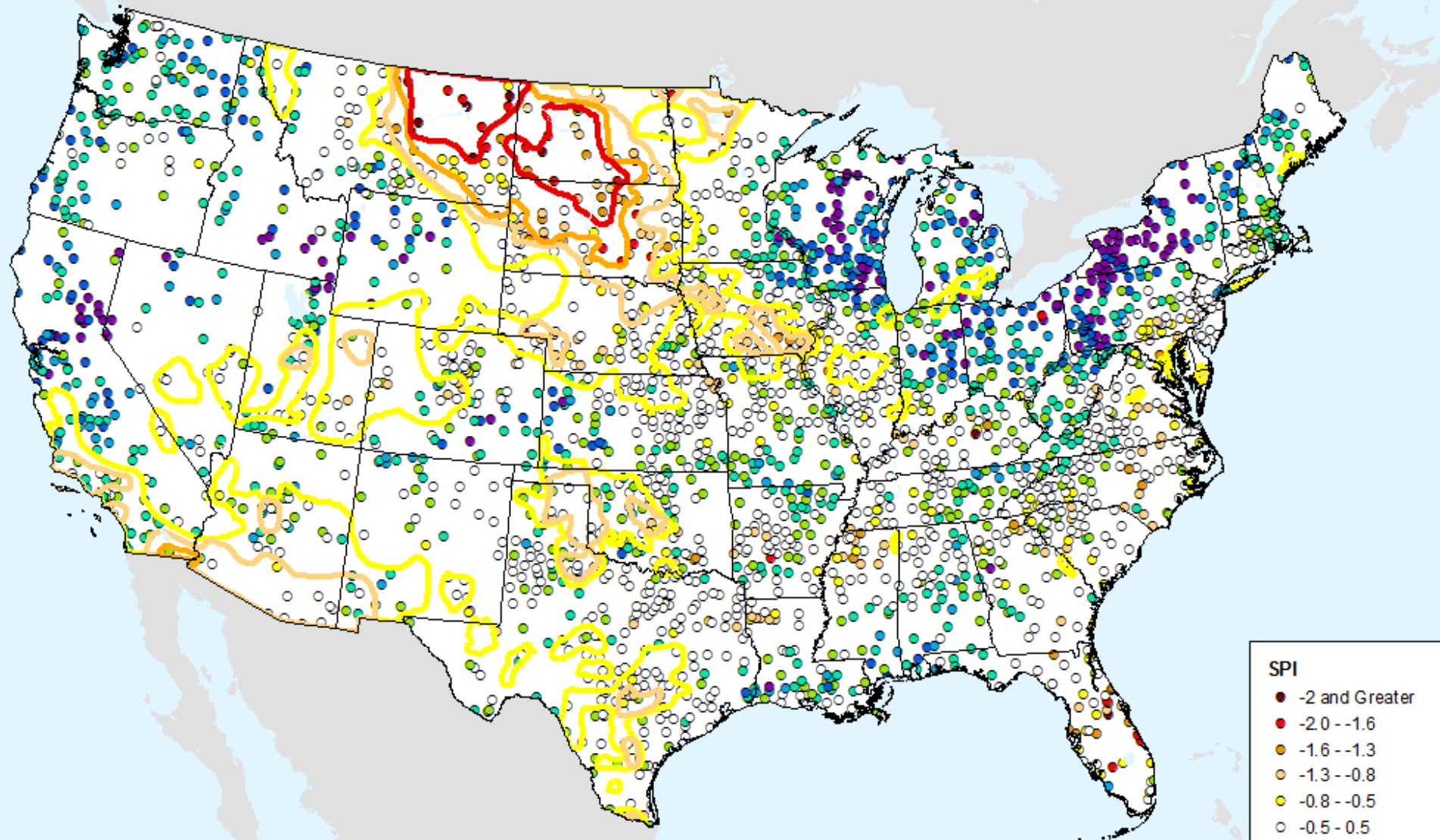
- SPI**
- -2 and Greater
  - -2.0 -- -1.6
  - -1.6 -- -1.3
  - -1.3 -- -0.8
  - -0.8 -- -0.5
  - -0.5 - 0.5
  - 0.5 - 0.8
  - 0.8 - 1.3
  - 1.3 - 1.6
  - 1.6 - 2.0
  - 2.0 and Greater

USDM for: Jul. 11, 2017



# HPRCC 9-month SPI

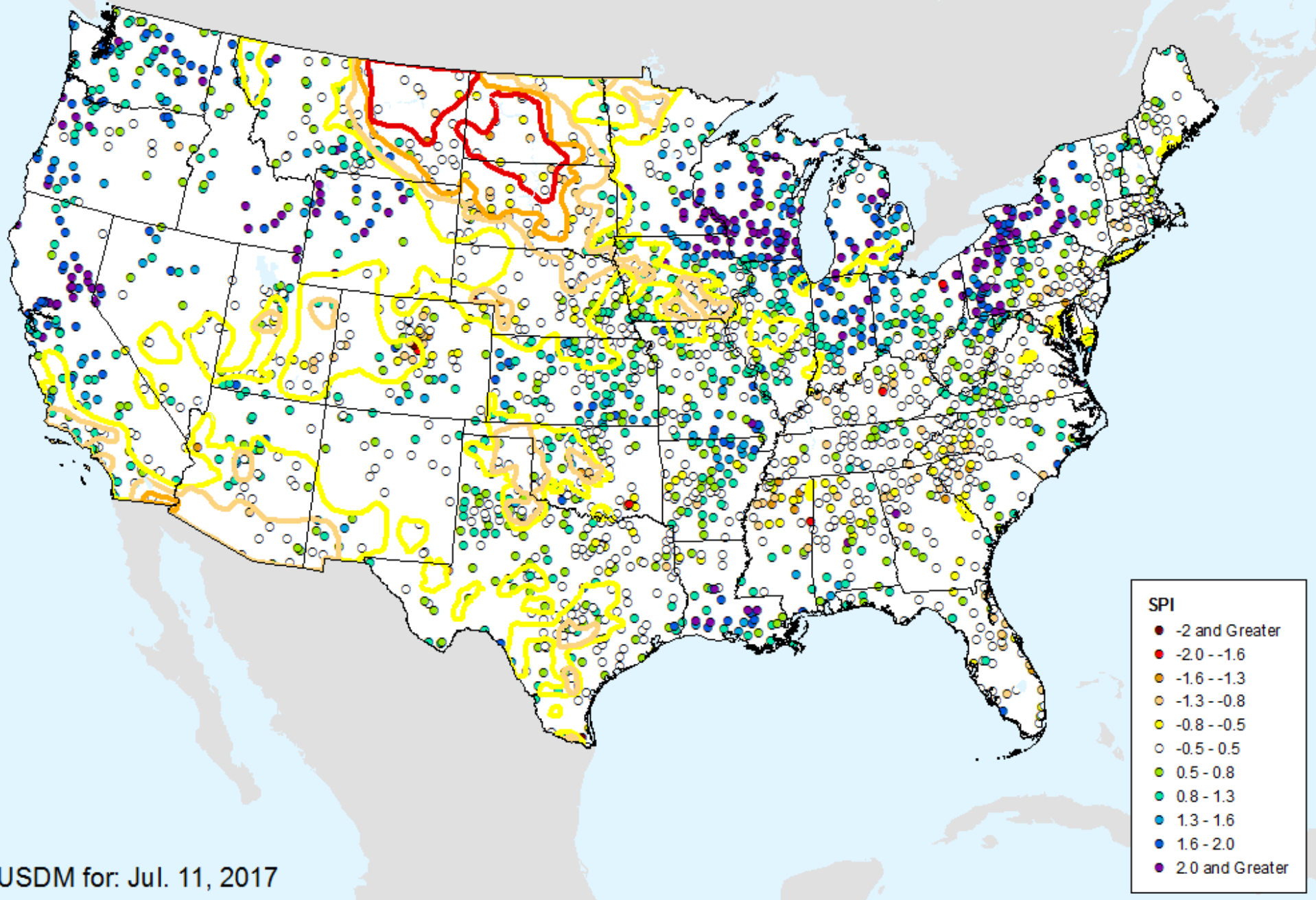
As of: Tuesday, July 18, 2017



USDM for: Jul. 11, 2017

# HPRCC 12-month SPI

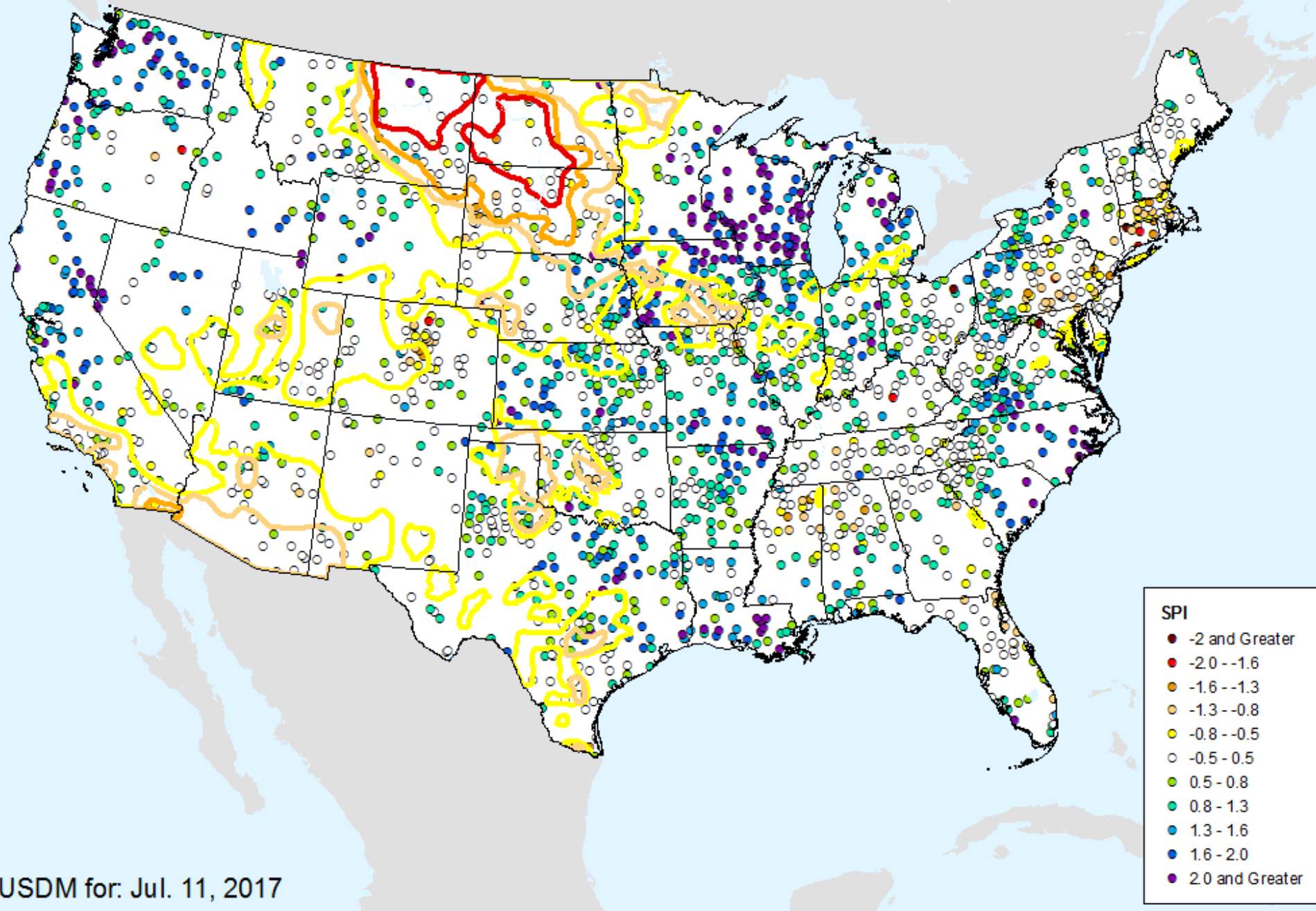
As of: Tuesday, July 18, 2017



USDM for: Jul. 11, 2017

# HPRCC 24-month SPI

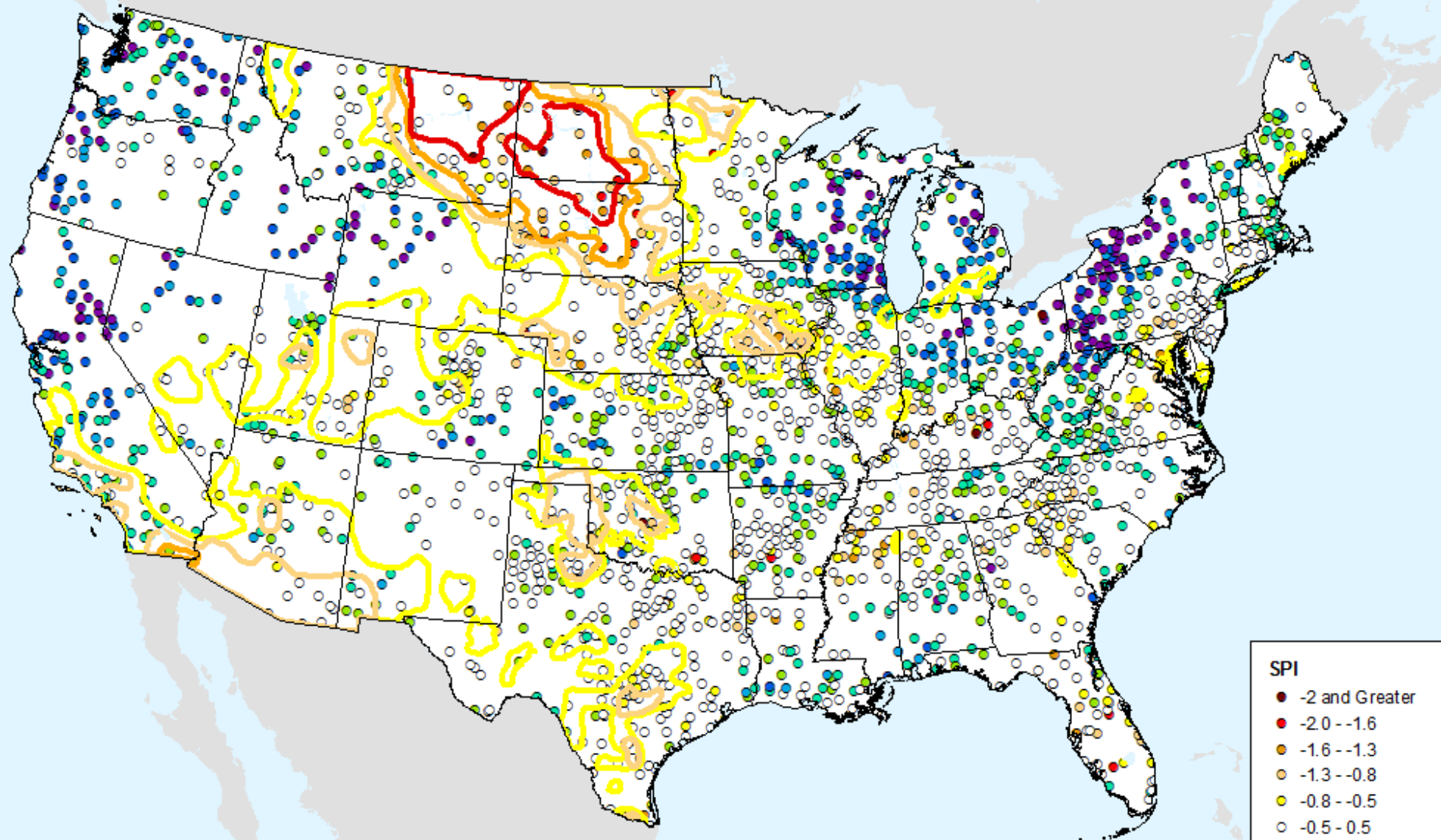
As of: Tuesday, July 18, 2017



USDM for: Jul. 11, 2017

# HPRCC Water Year-to-date SPI

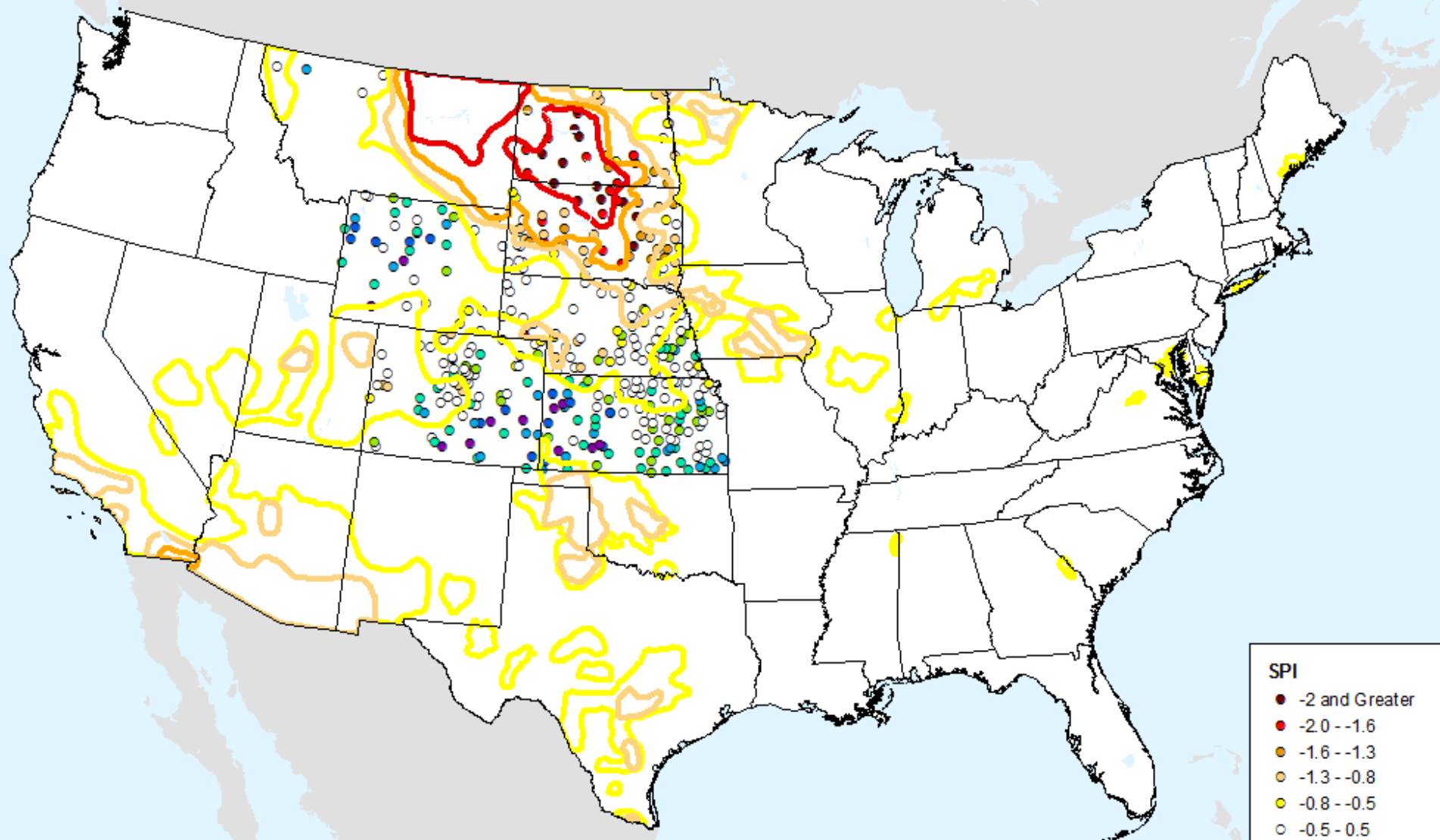
As of: Tuesday, July 18, 2017



USDM for: Jul. 11, 2017

# HPRCC Year-to-date SPI

As of: Tuesday, July 18, 2017



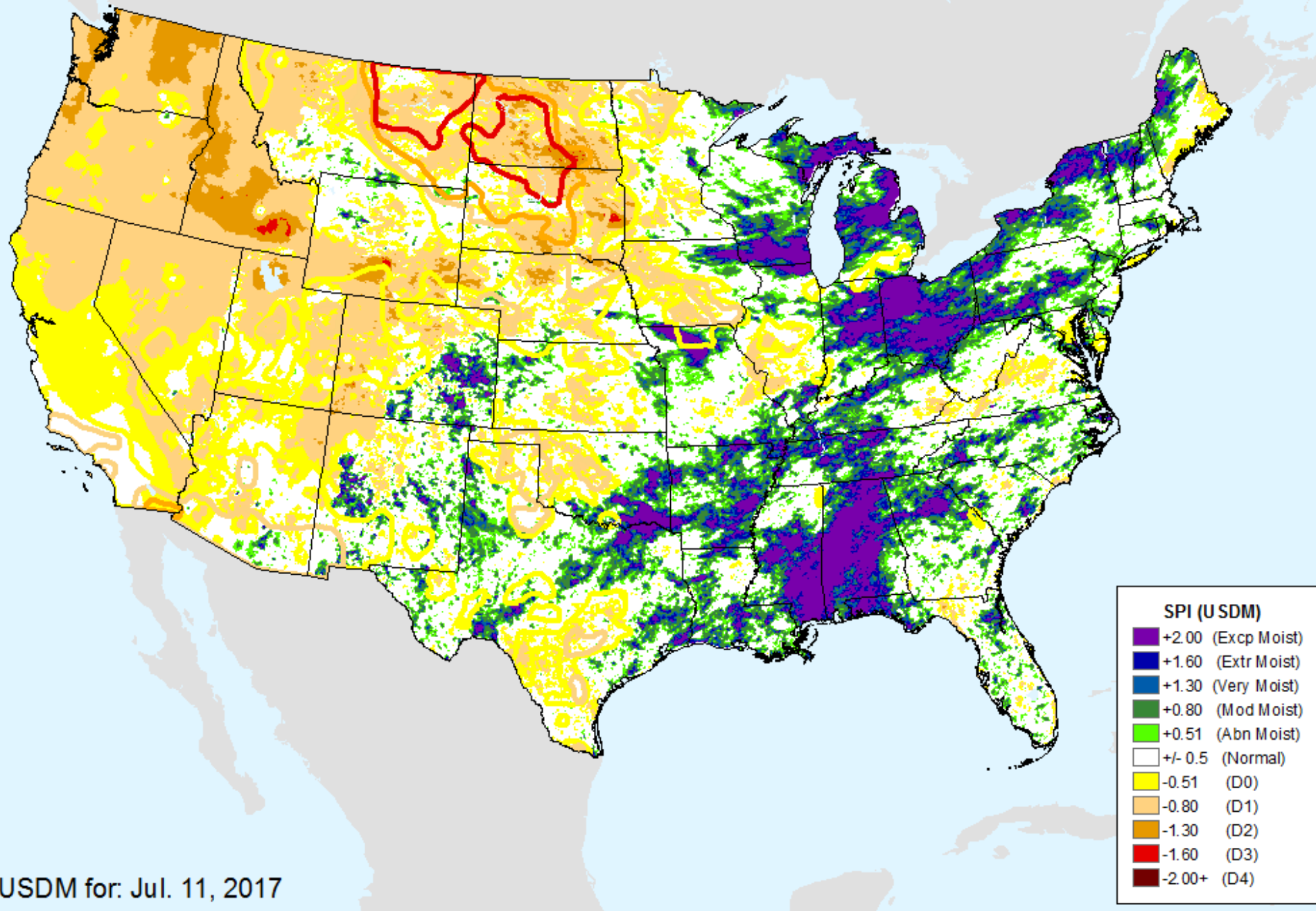
USDM for: Jul. 11, 2017

**SPI**

- -2 and Greater
- -2.0 -- -1.6
- -1.6 -- -1.3
- -1.3 -- -0.8
- -0.8 -- -0.5
- -0.5 - 0.5
- 0.5 - 0.8
- 0.8 - 1.3
- 1.3 - 1.6
- 1.6 - 2.0
- 2.0 and Greater

# AHPS 1-month SPI

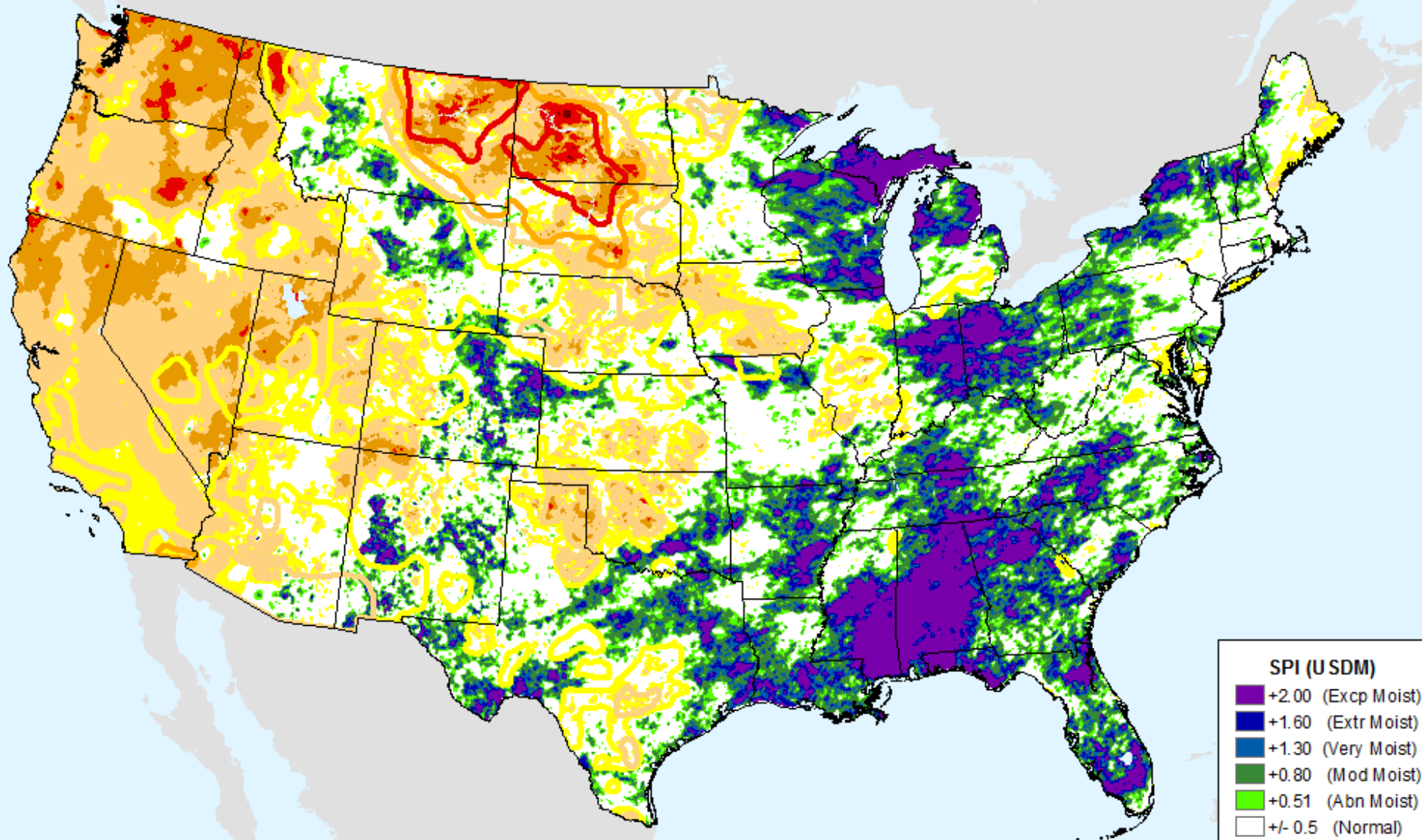
As of: Tuesday, July 18, 2017



USDM for: Jul. 11, 2017

# AHPS 2-month SPI

As of: Tuesday, July 18, 2017



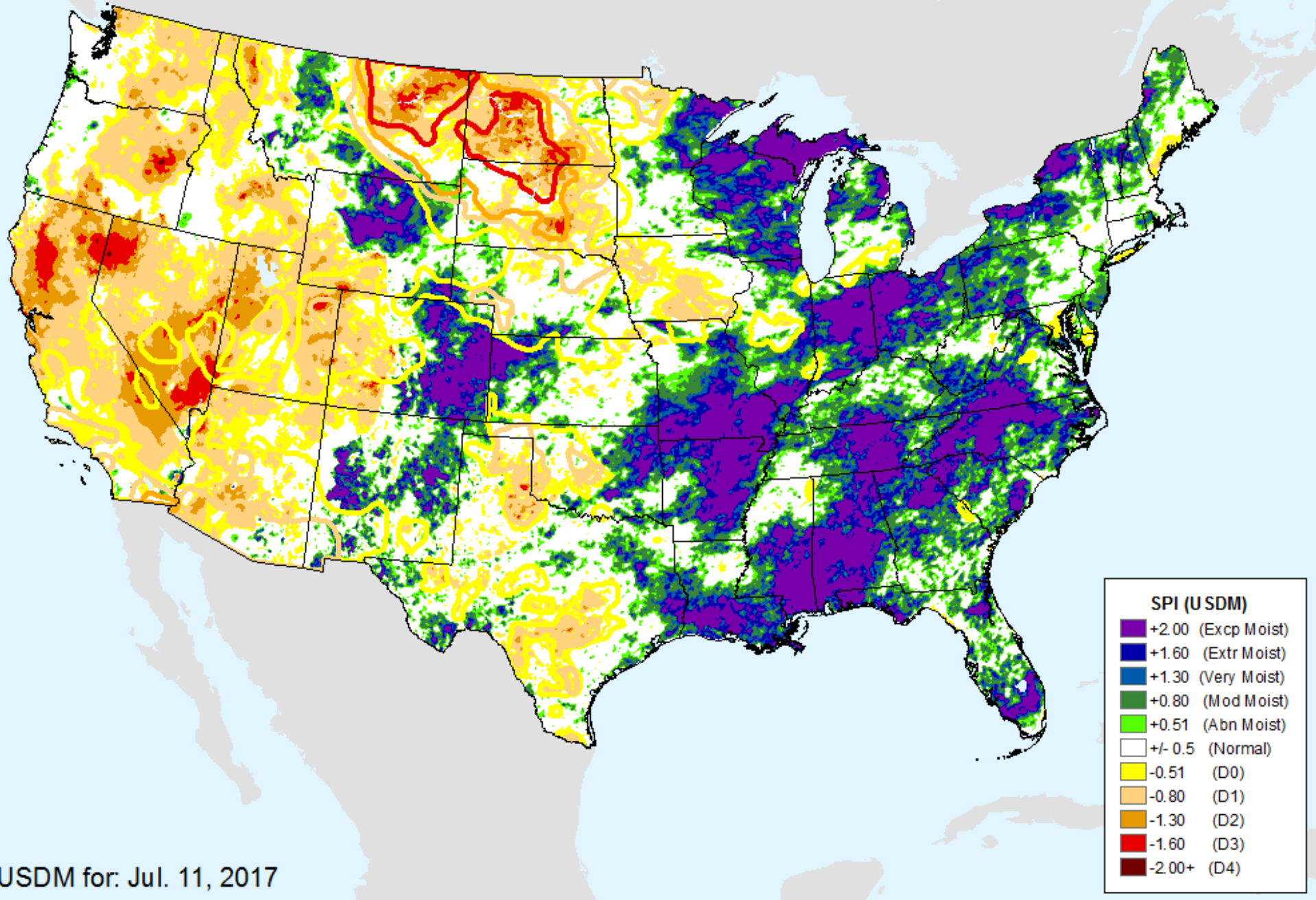
## SPI (USDM)

- +2.00 (Excp Moist)
- +1.60 (Extr Moist)
- +1.30 (Very Moist)
- +0.80 (Mod Moist)
- +0.51 (Abn Moist)
- +/- 0.5 (Normal)
- 0.51 (D0)
- 0.80 (D1)
- 1.30 (D2)
- 1.60 (D3)
- 2.00+ (D4)

USDM for: Jul. 11, 2017

# AHPS 3-month SPI

As of: Tuesday, July 18, 2017

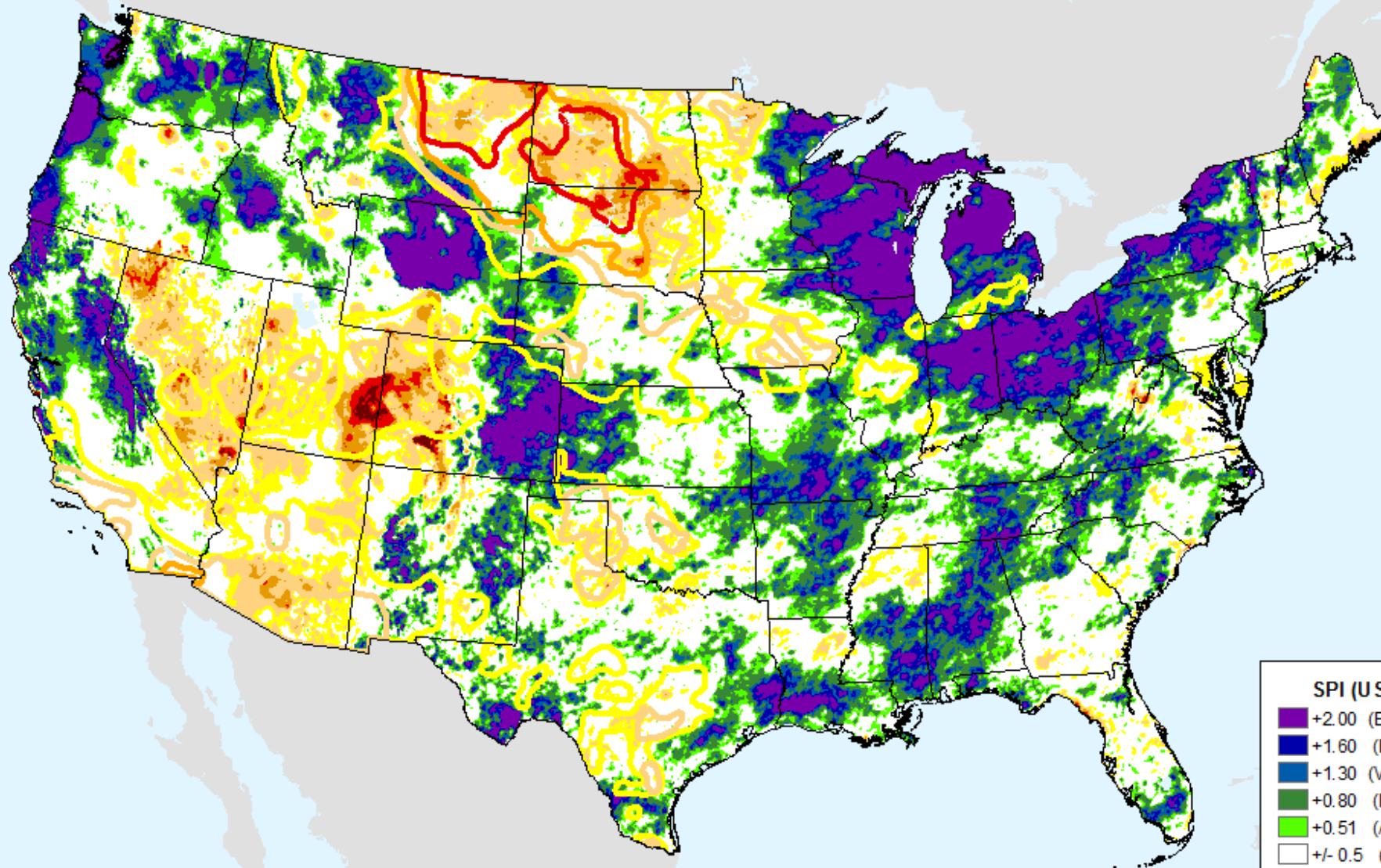


USDM for: Jul. 11, 2017



# AHPS 6-month SPI

As of: Tuesday, July 18, 2017



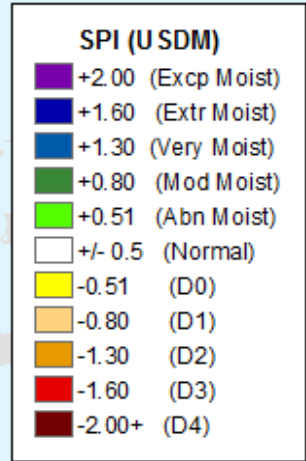
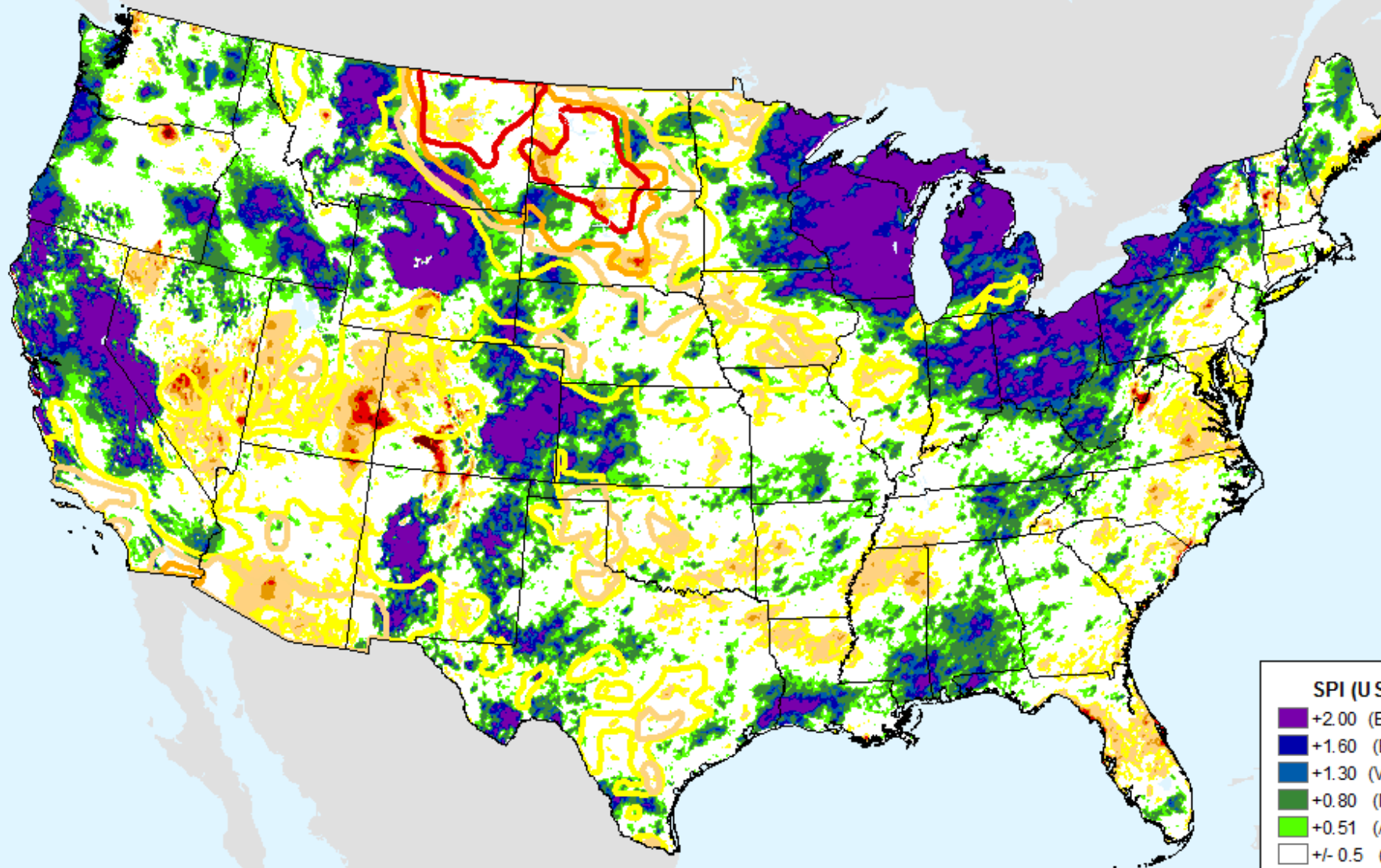
## SPI (USDM)

- +2.00 (Excp Moist)
- +1.60 (Extr Moist)
- +1.30 (Very Moist)
- +0.80 (Mod Moist)
- +0.51 (Abn Moist)
- +/- 0.5 (Normal)
- 0.51 (D0)
- 0.80 (D1)
- 1.30 (D2)
- 1.60 (D3)
- 2.00+ (D4)

USDM for: Jul. 11, 2017

# AHPS 9-month SPI

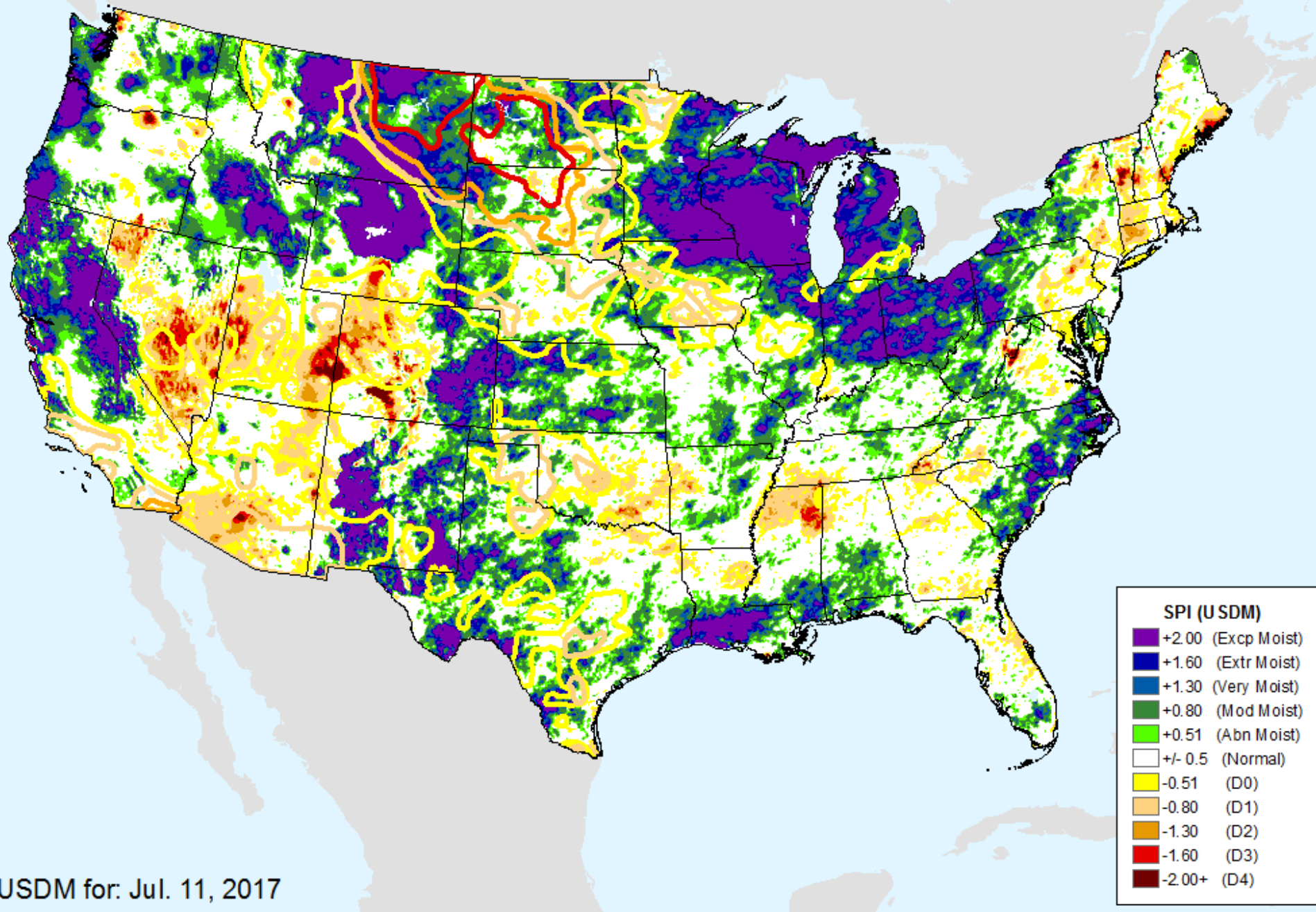
As of: Tuesday, July 18, 2017



USDM for: Jul. 11, 2017

# AHPS 12-month SPI

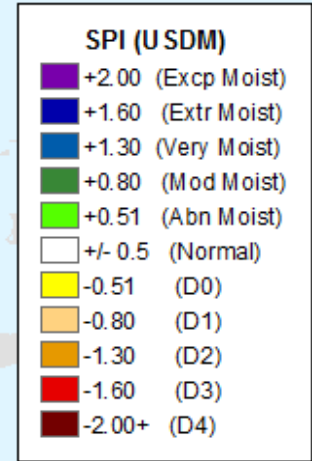
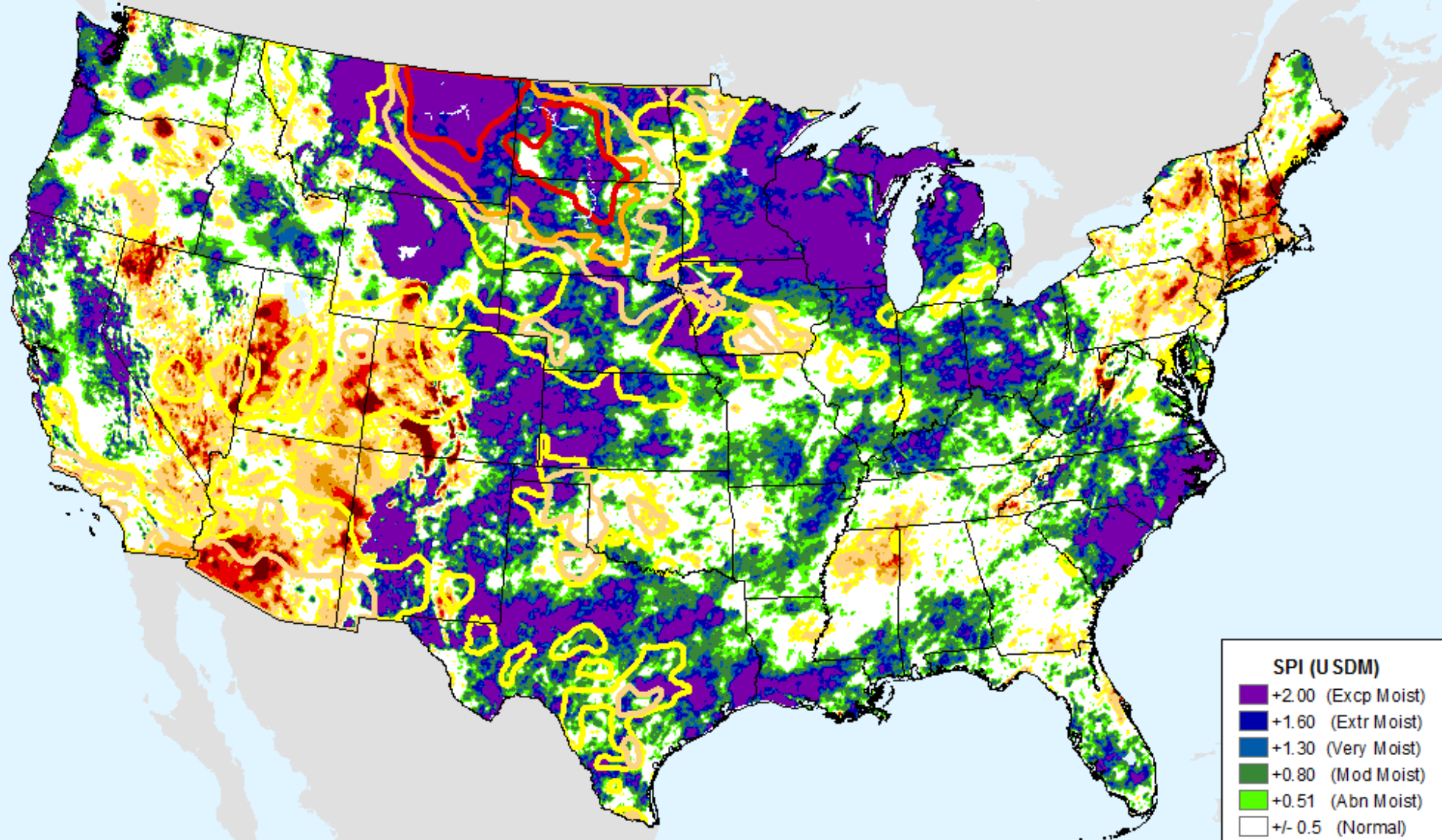
As of: Tuesday, July 18, 2017



USDM for: Jul. 11, 2017

# AHPS 24-month SPI

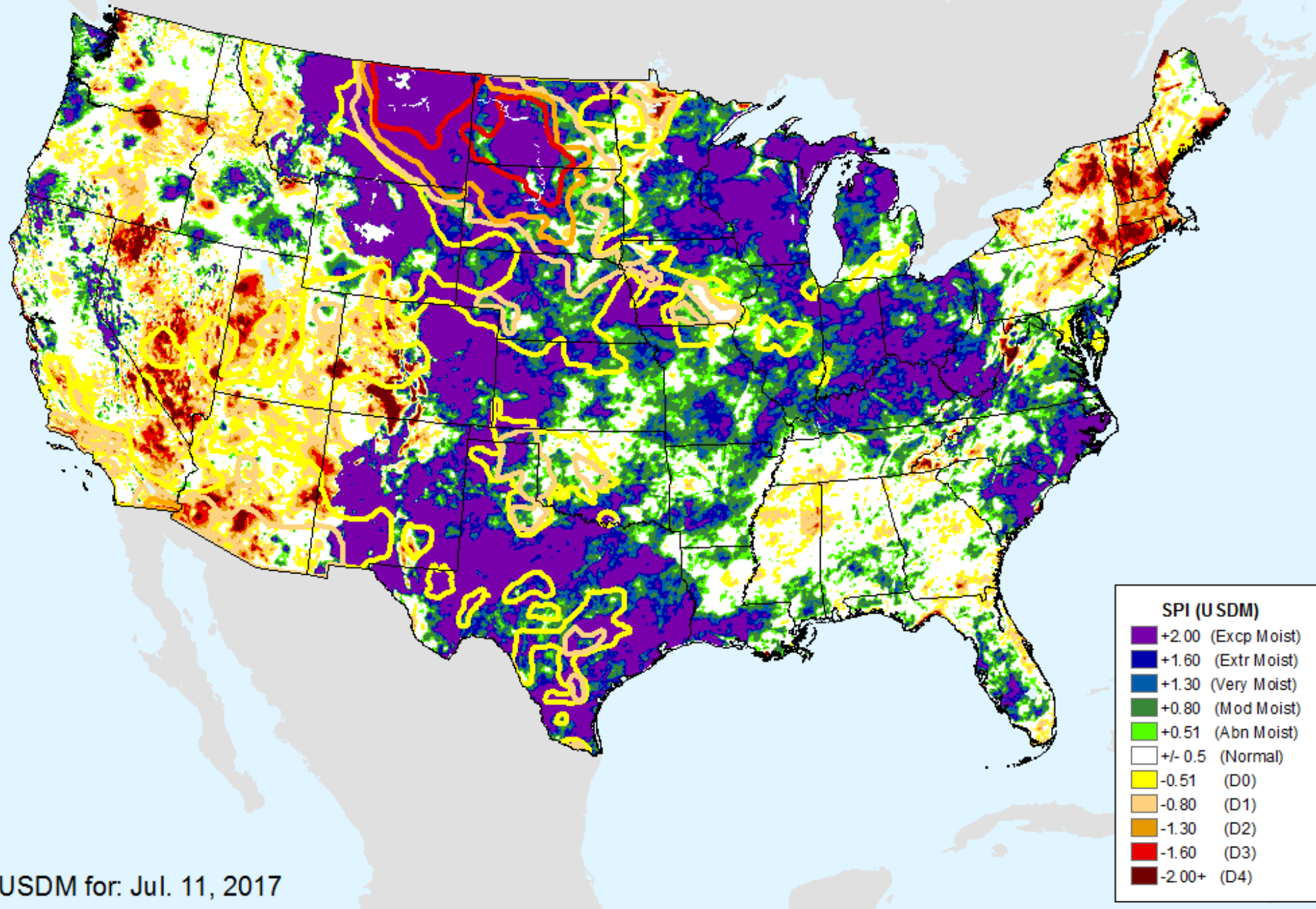
As of: Tuesday, July 18, 2017



USDM for: Jul. 11, 2017

# AHPS 36-month SPI

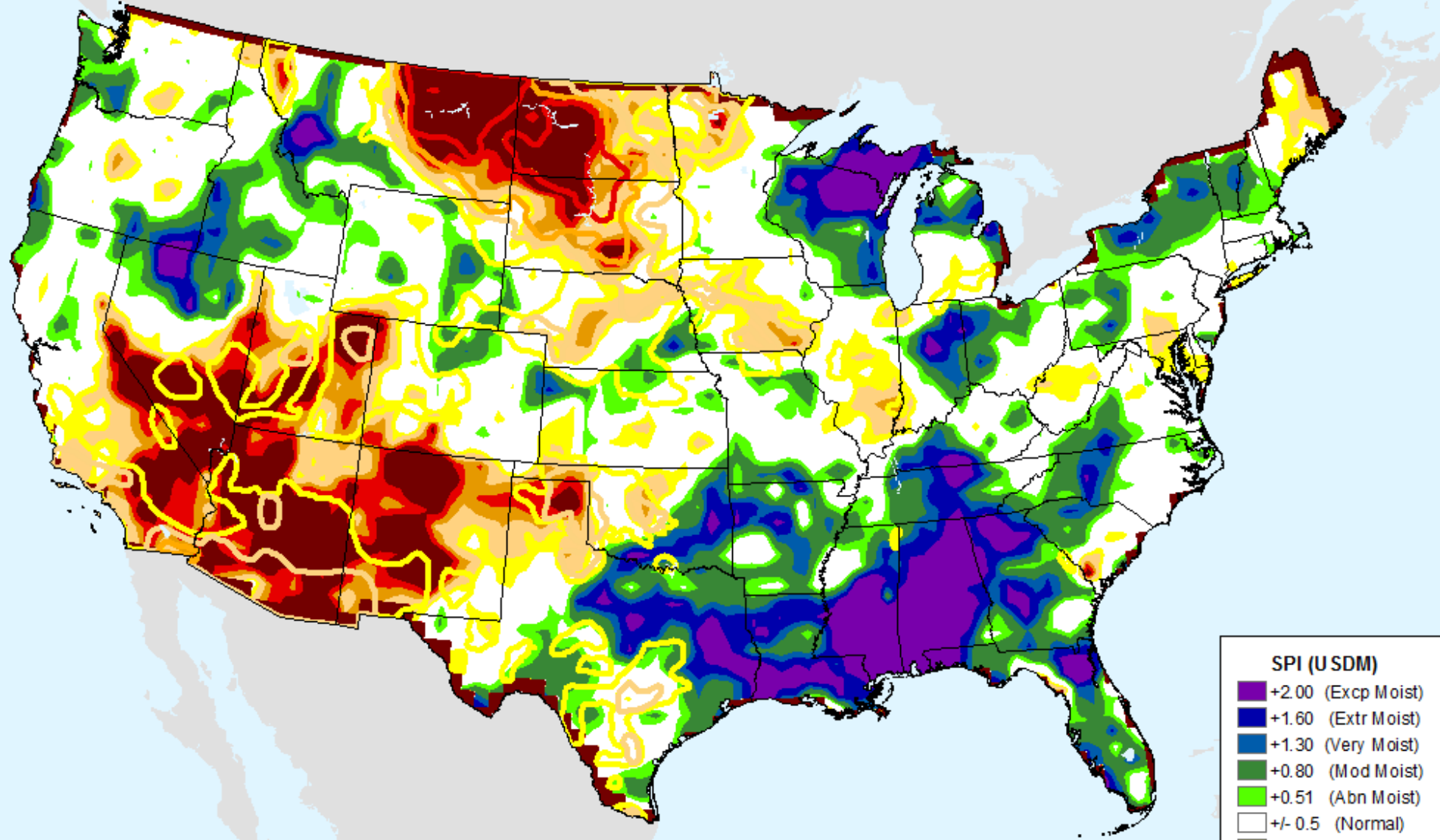
As of: Tuesday, July 18, 2017



USDM for: Jul. 11, 2017

# CPC 3-month SPI

As of: Tuesday, July 18, 2017

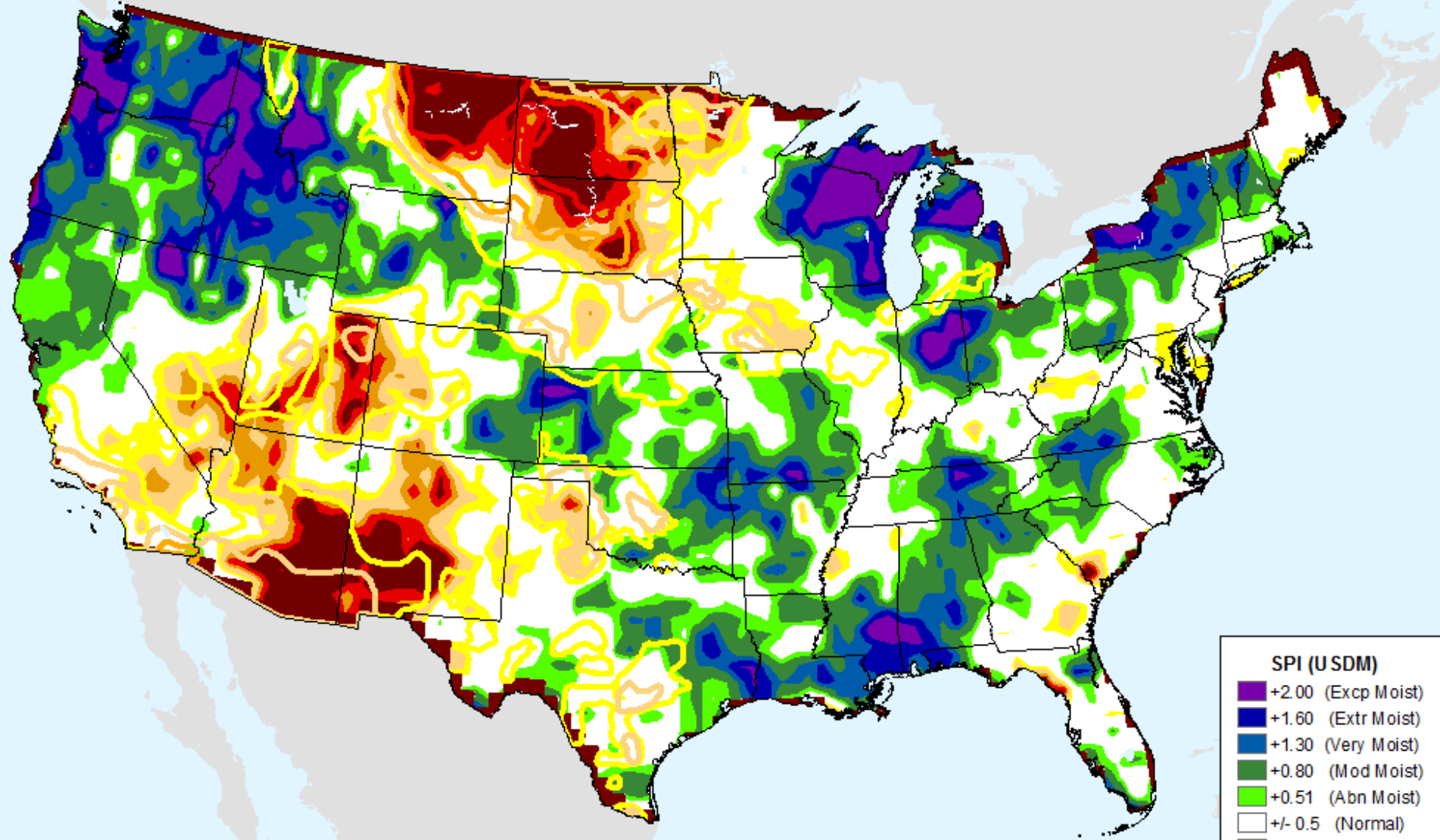


SPI (USDM)	
Dark Purple	+2.00 (Excp Moist)
Dark Blue	+1.60 (Extr Moist)
Blue	+1.30 (Very Moist)
Green	+0.80 (Mod Moist)
Light Green	+0.51 (Abn Moist)
White	+/- 0.5 (Normal)
Yellow	-0.51 (D0)
Orange	-0.80 (D1)
Dark Orange	-1.30 (D2)
Red	-1.60 (D3)
Dark Red	-2.00+ (D4)

USDM for: Jul. 11, 2017

# CPC 6-month SPI

As of: Tuesday, July 18, 2017

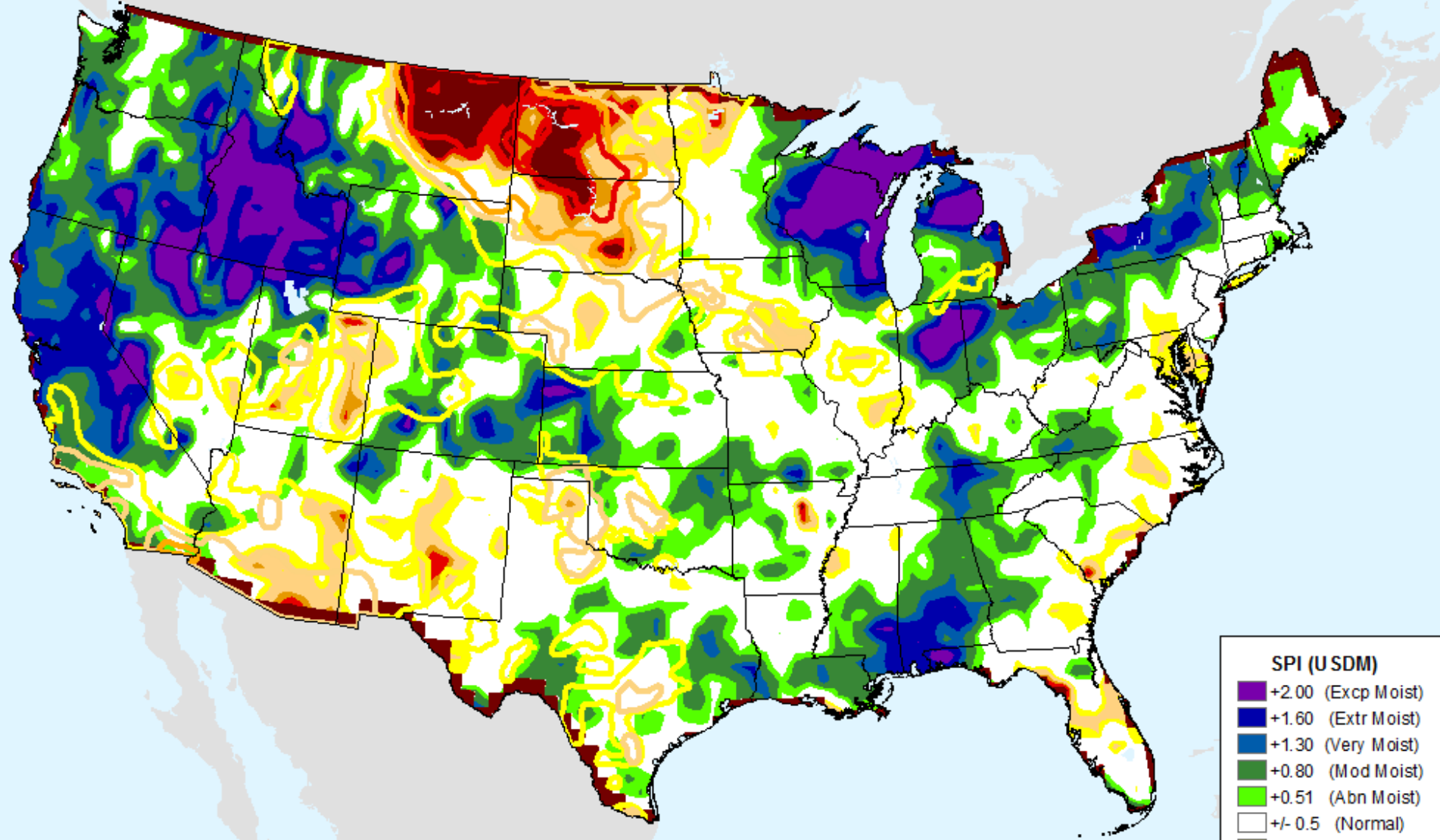


SPI (USDM)	
Dark Purple	+2.00 (Excp Moist)
Dark Blue	+1.60 (Extr Moist)
Blue	+1.30 (Very Moist)
Dark Green	+0.80 (Mod Moist)
Light Green	+0.51 (Abn Moist)
White	+/- 0.5 (Normal)
Yellow	-0.51 (D0)
Light Orange	-0.80 (D1)
Orange	-1.30 (D2)
Red	-1.60 (D3)
Dark Red	-2.00+ (D4)

USDM for: Jul. 11, 2017

# CPC 9-month SPI

As of: Tuesday, July 18, 2017



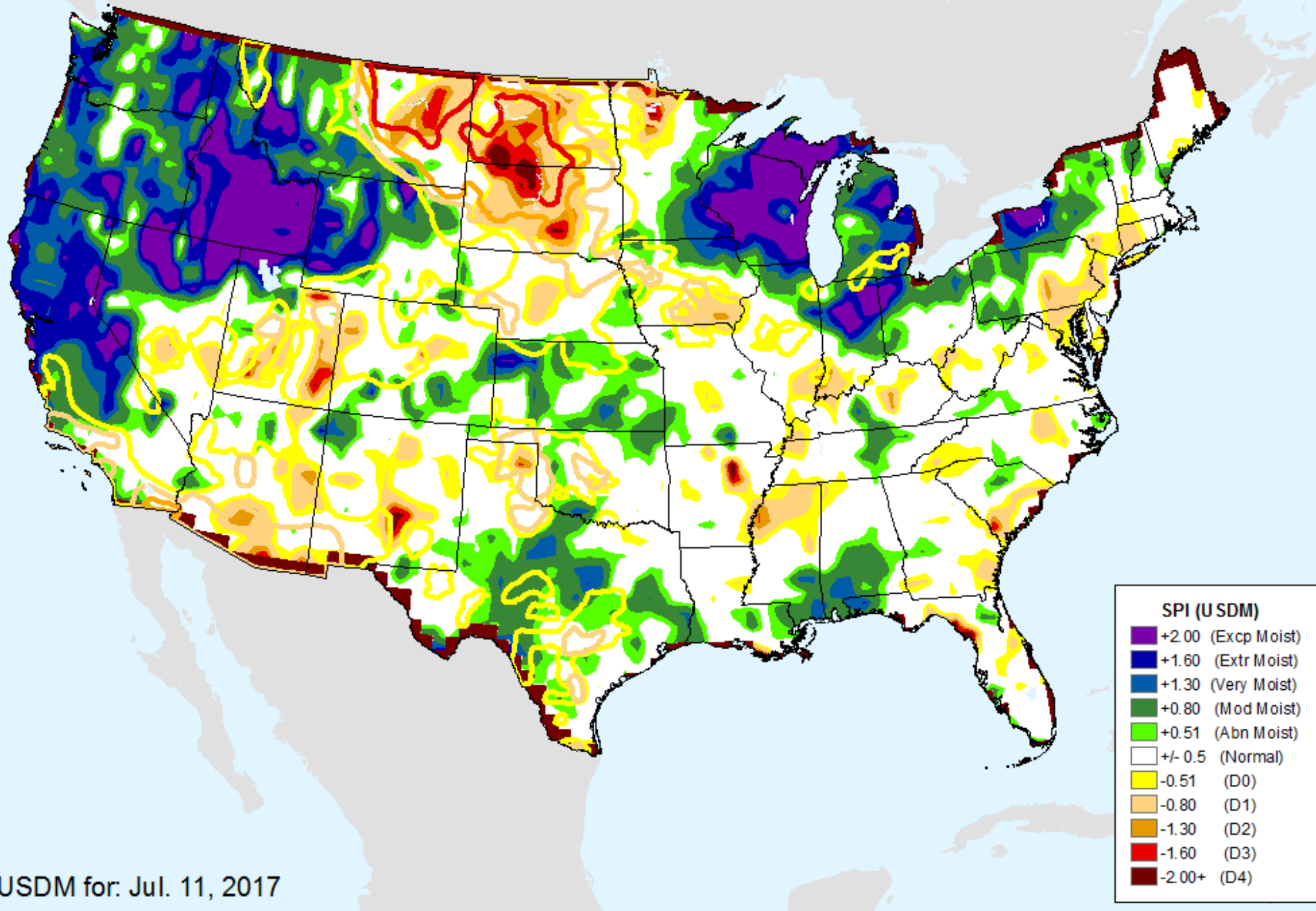
SPI (USDM)	
Dark Purple	+2.00 (Excp Moist)
Dark Blue	+1.60 (Extr Moist)
Blue	+1.30 (Very Moist)
Dark Green	+0.80 (Mod Moist)
Light Green	+0.51 (Abn Moist)
White	+/- 0.5 (Normal)
Yellow	-0.51 (D0)
Light Orange	-0.80 (D1)
Orange	-1.30 (D2)
Red	-1.60 (D3)
Dark Red	-2.00+ (D4)

USDM for: Jul. 11, 2017



# CPC 12-month SPI

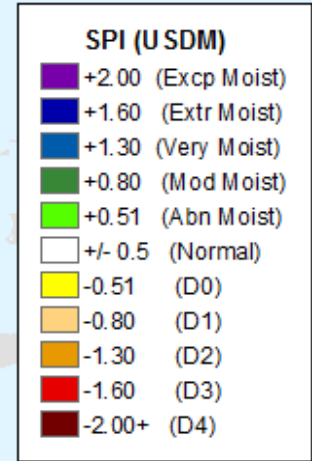
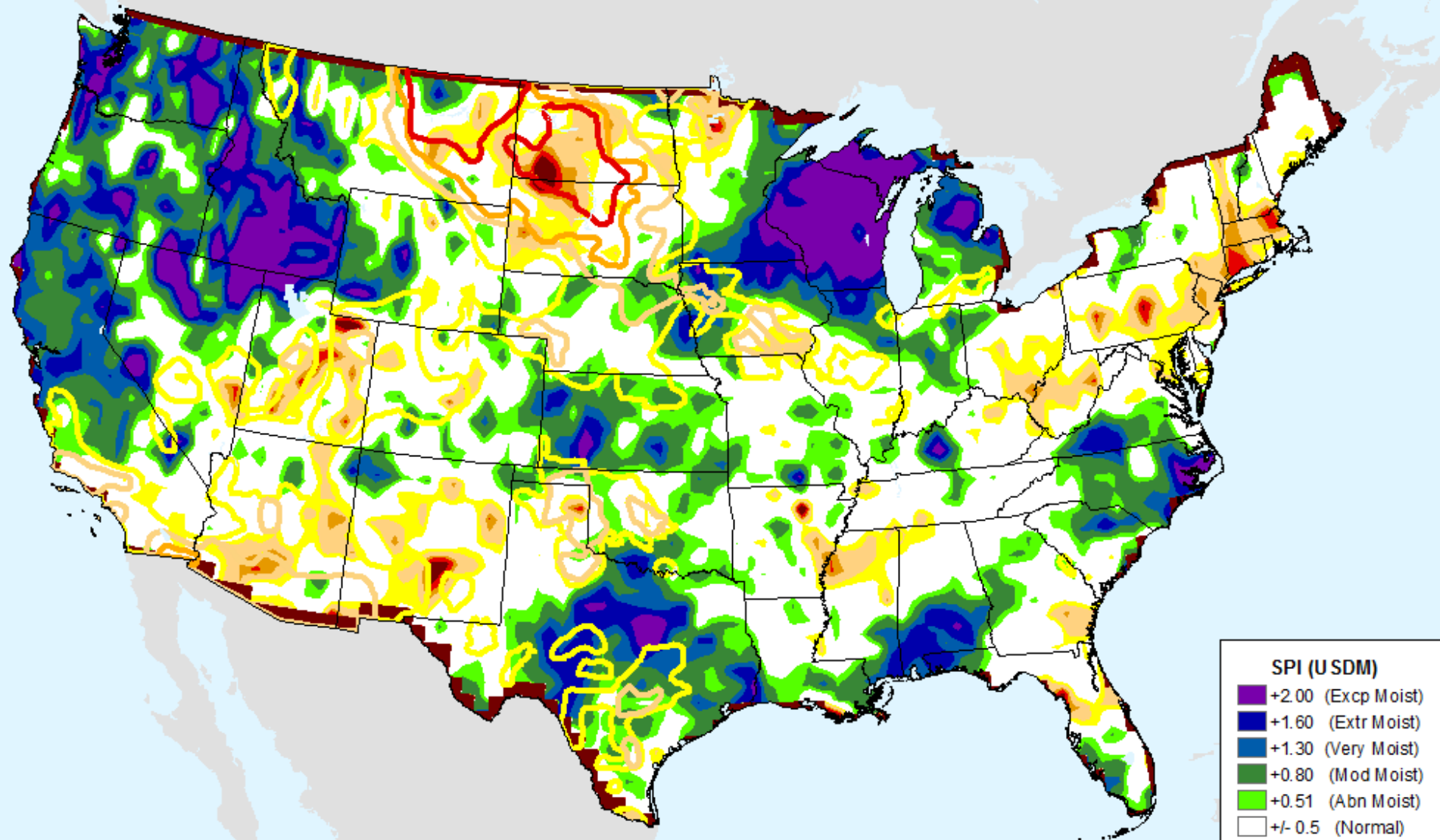
As of: Tuesday, July 18, 2017



USDM for: Jul. 11, 2017

# CPC 24-month SPI

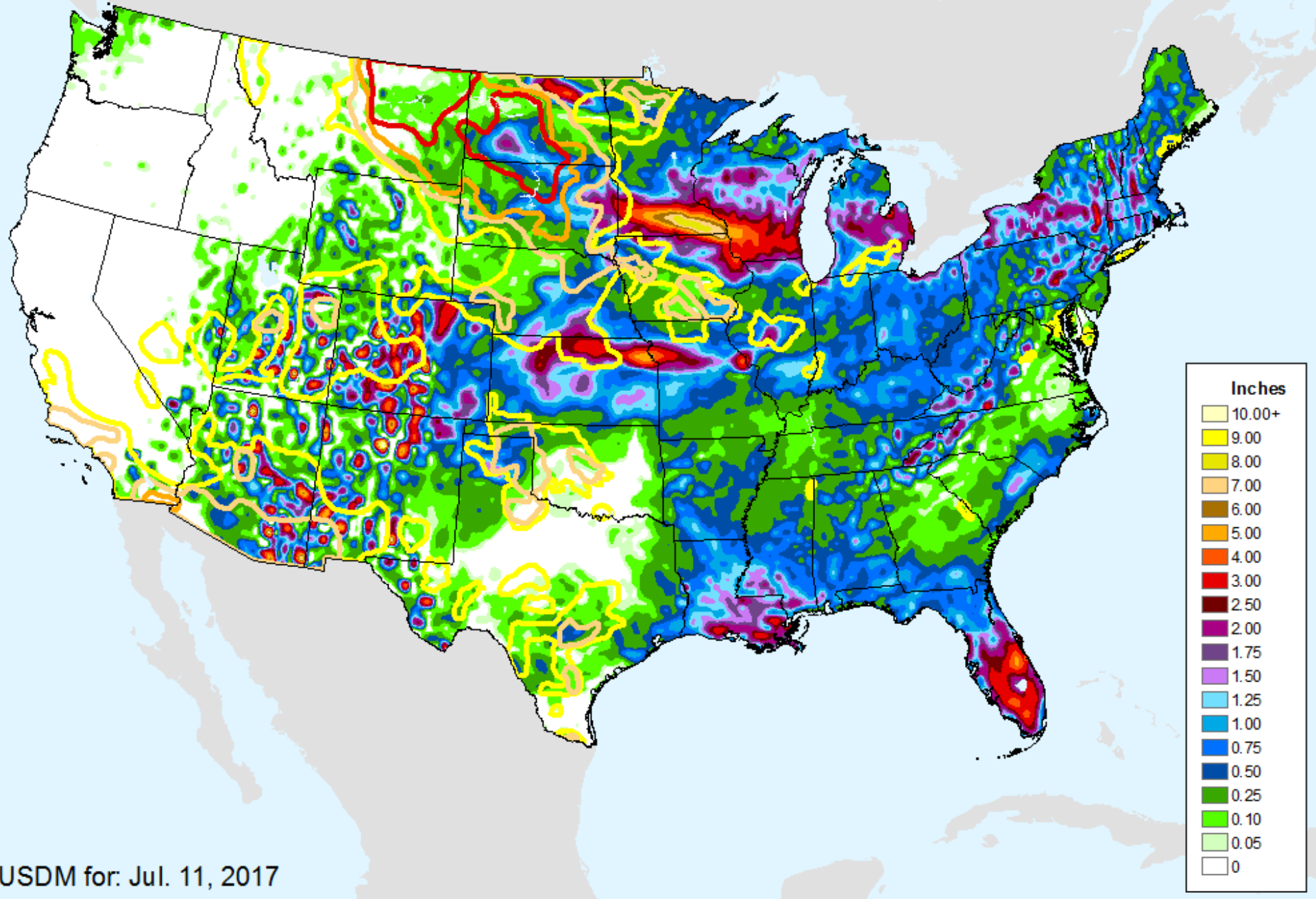
As of: Tuesday, July 18, 2017



USDM for: Jul. 11, 2017

# GFS (00z) 7-Day Precip Forecast

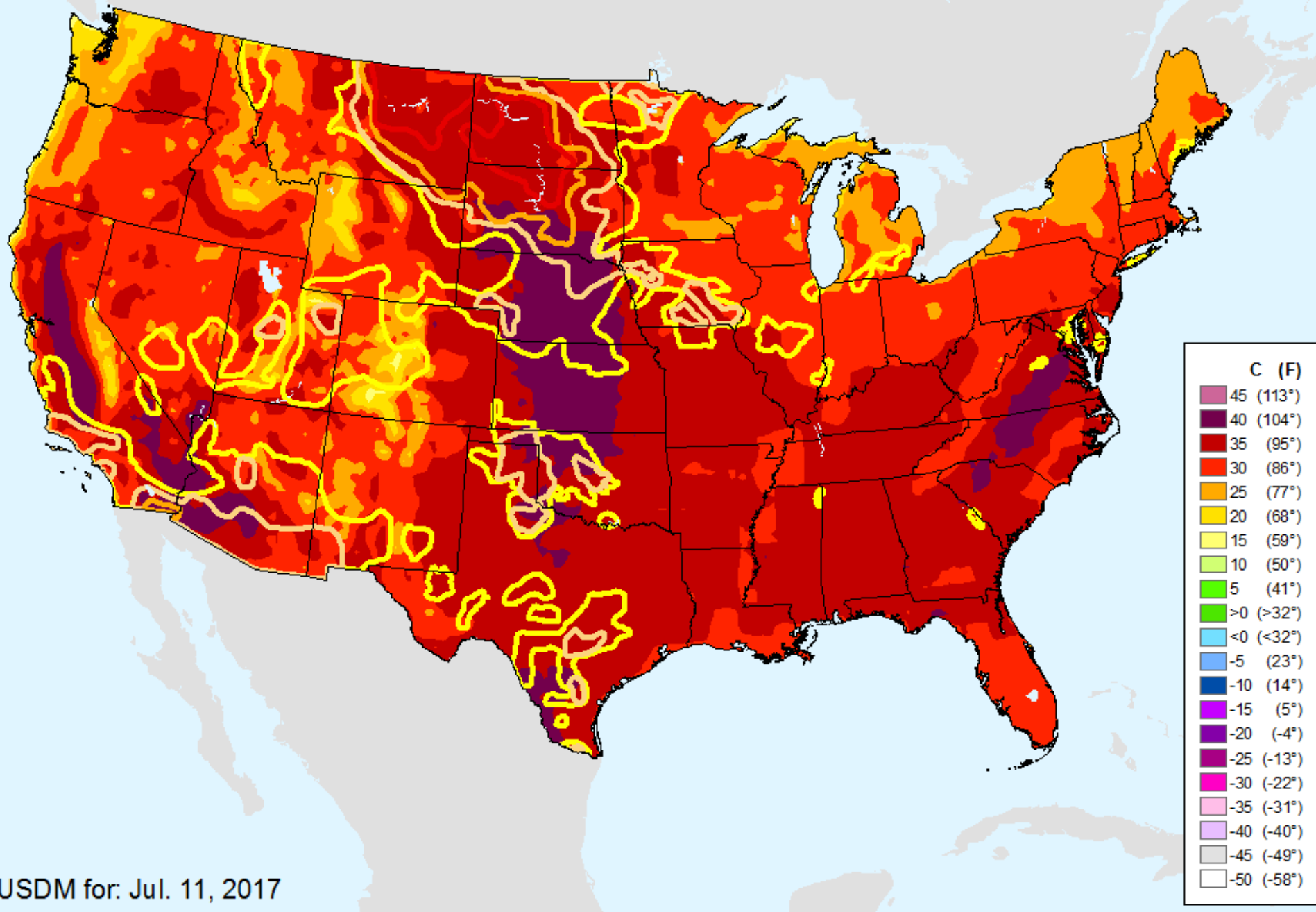
As of: Tuesday, July 18, 2017



USDM for: Jul. 11, 2017

# GFS (00z) 7-Day Max Temp Forecast

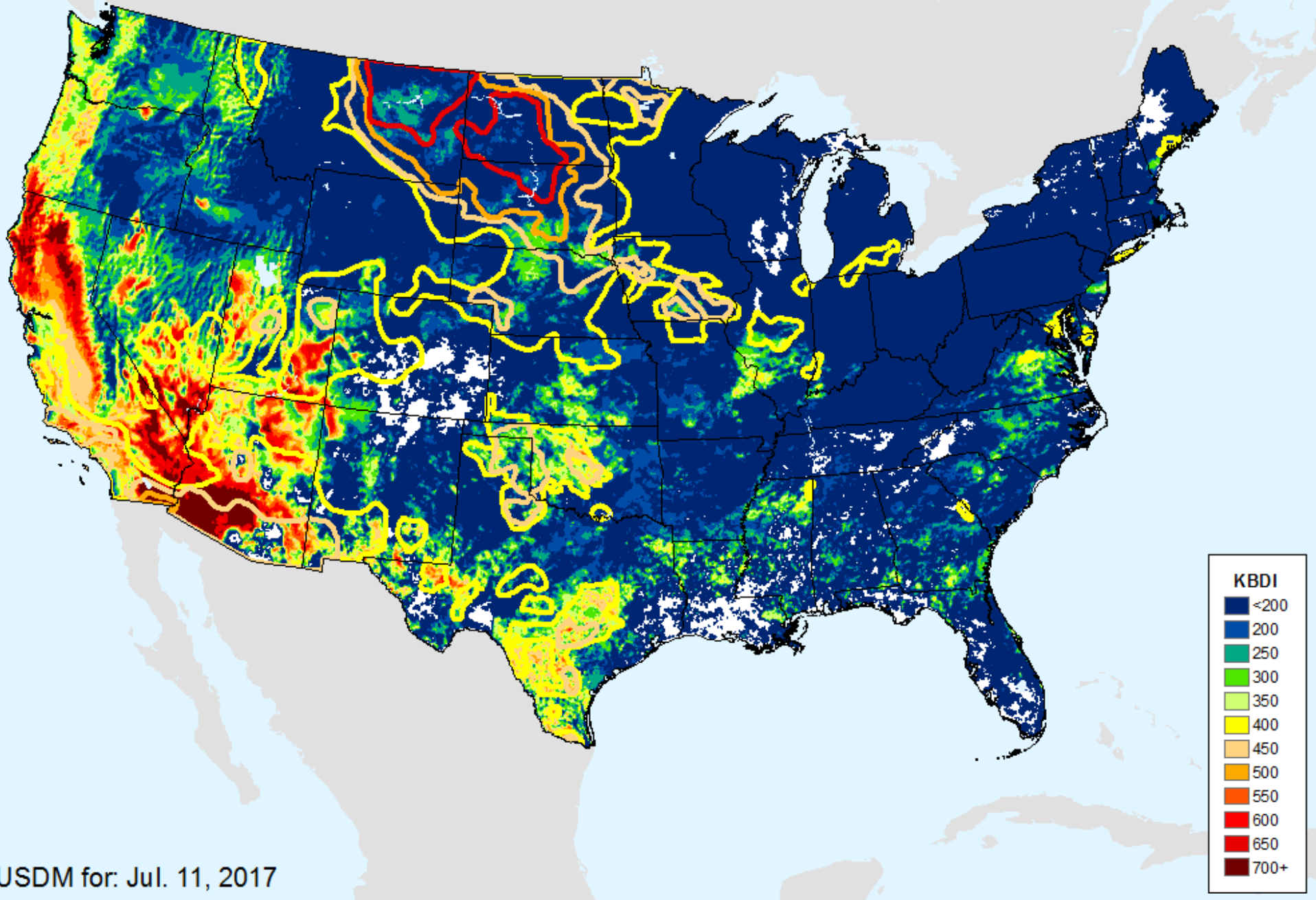
As of: Tuesday, July 18, 2017



USDM for: Jul. 11, 2017

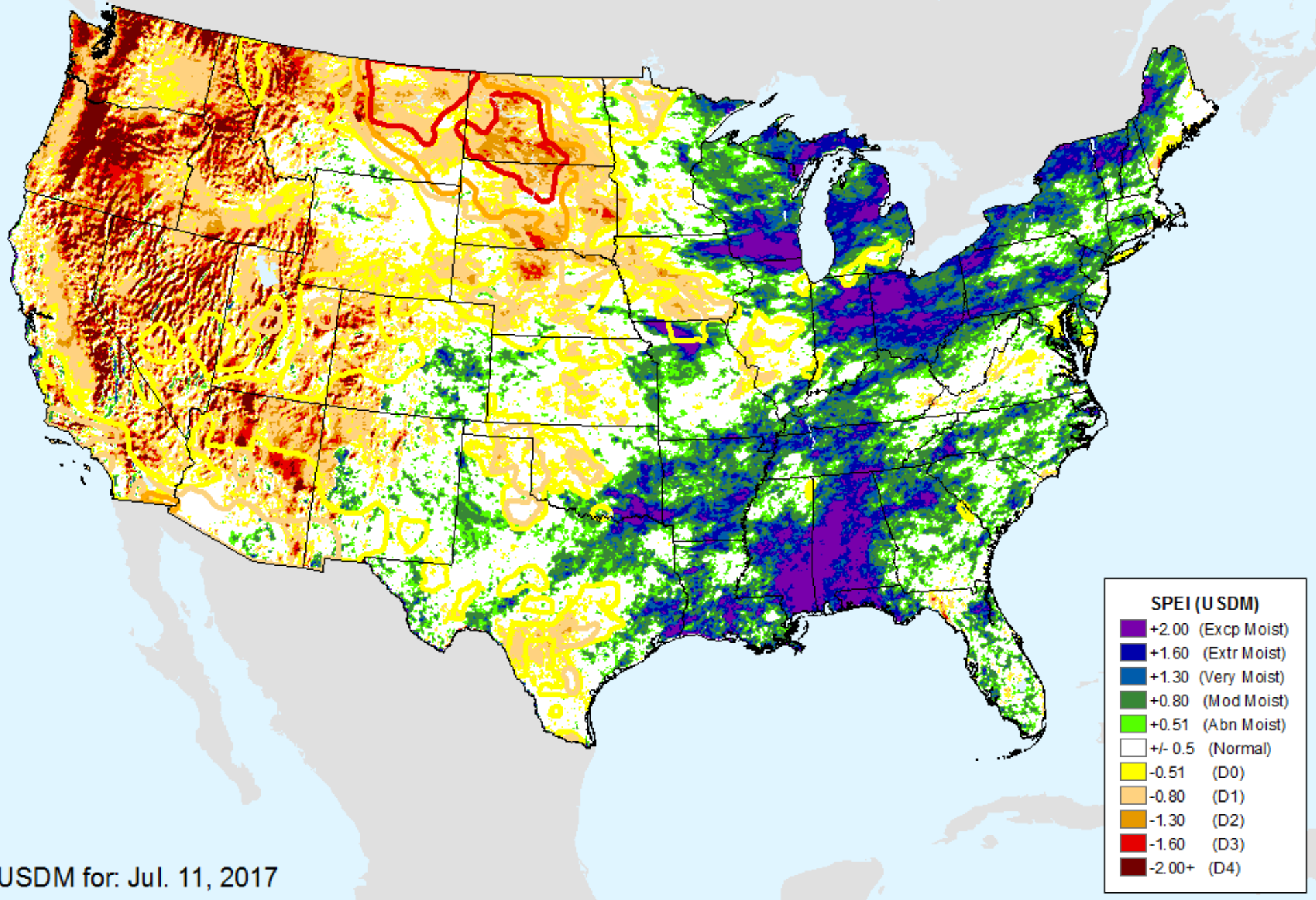
# Keetch-Byram Drought Index (KBDI)

As of: Tuesday, July 18, 2017



# AHPS 1-month SPEI

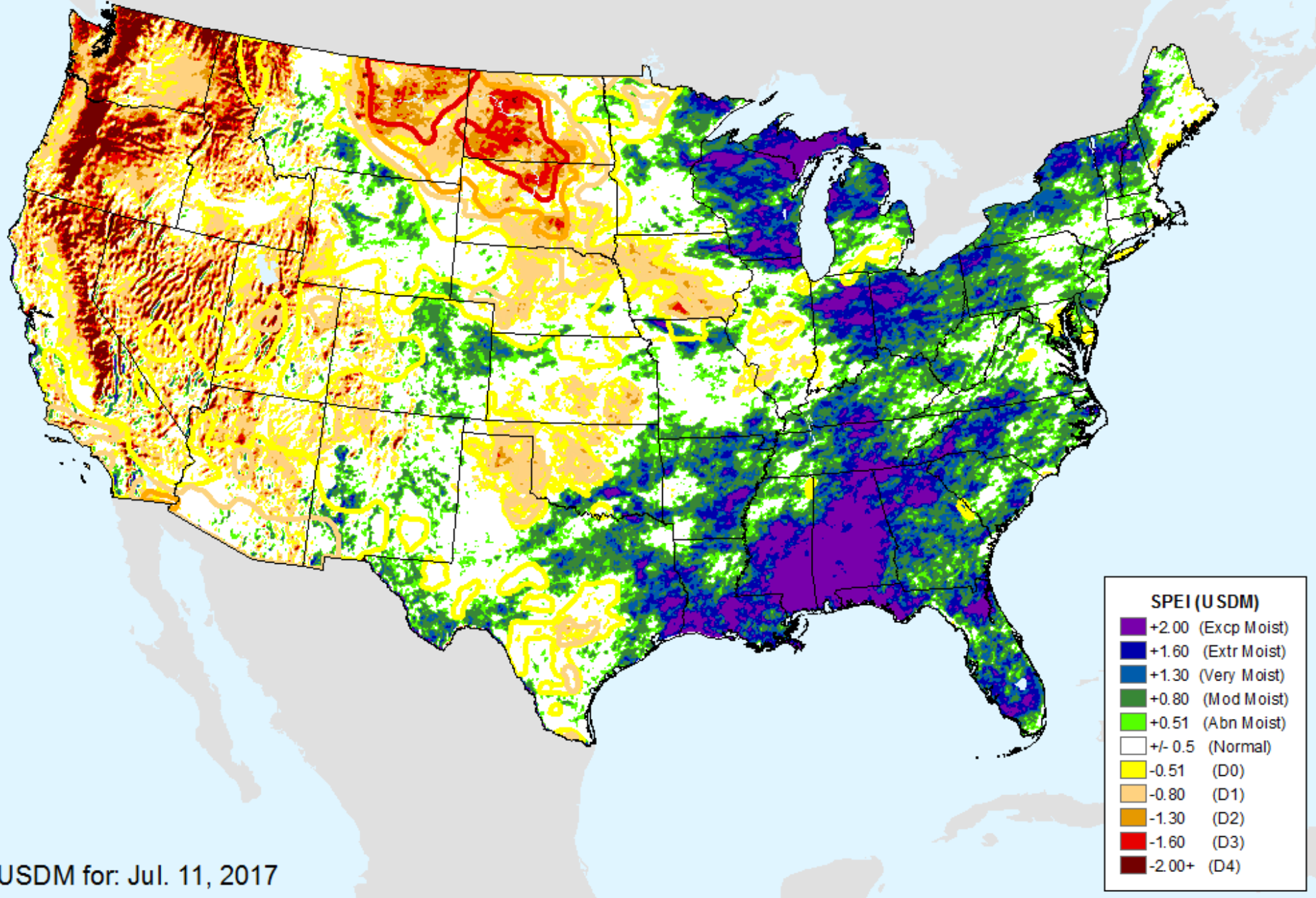
As of: Tuesday, July 18, 2017



USDM for: Jul. 11, 2017

# AHPS 2-month SPEI

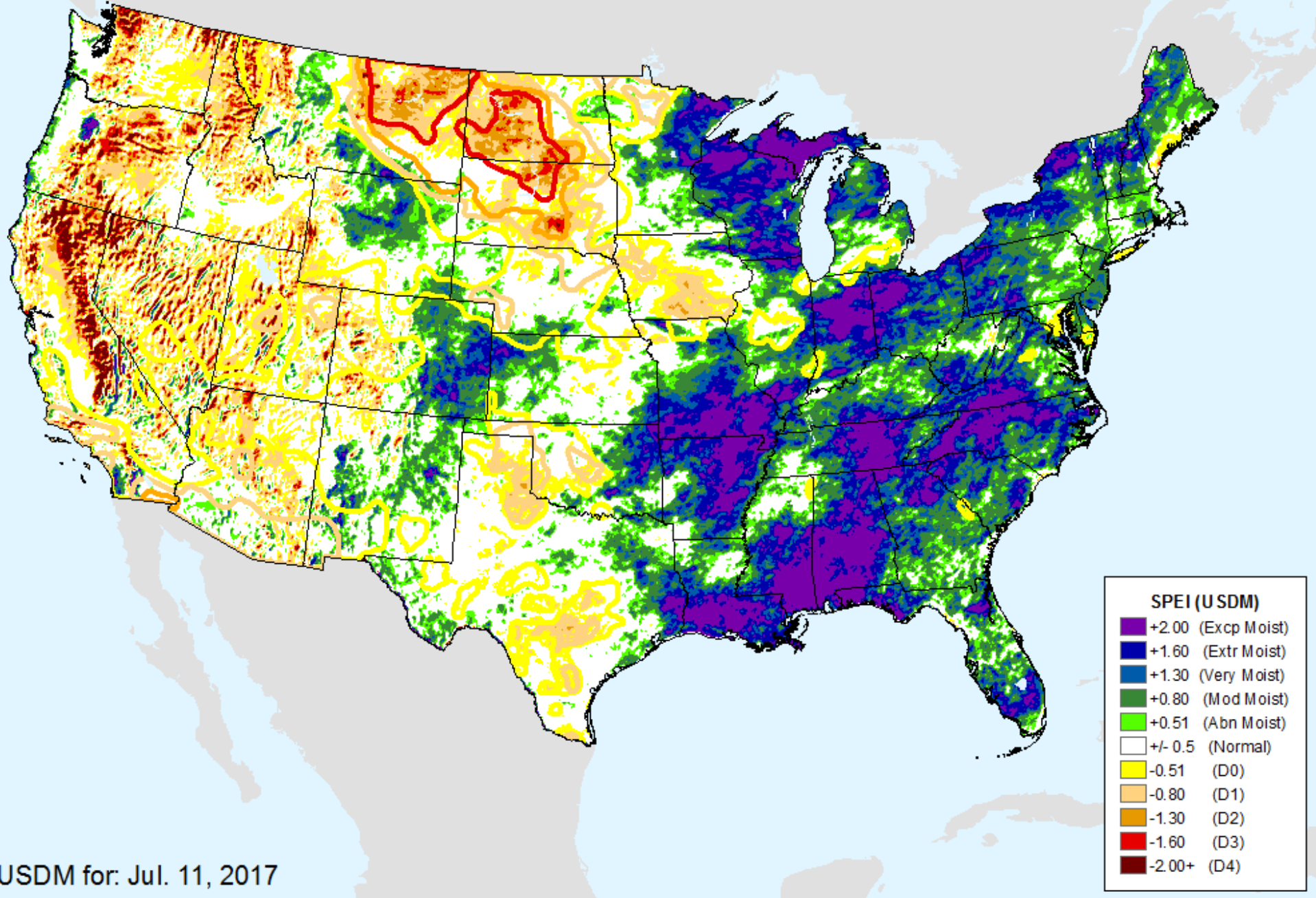
As of: Tuesday, July 18, 2017



USDM for: Jul. 11, 2017

# AHPS 3-month SPEI

As of: Tuesday, July 18, 2017

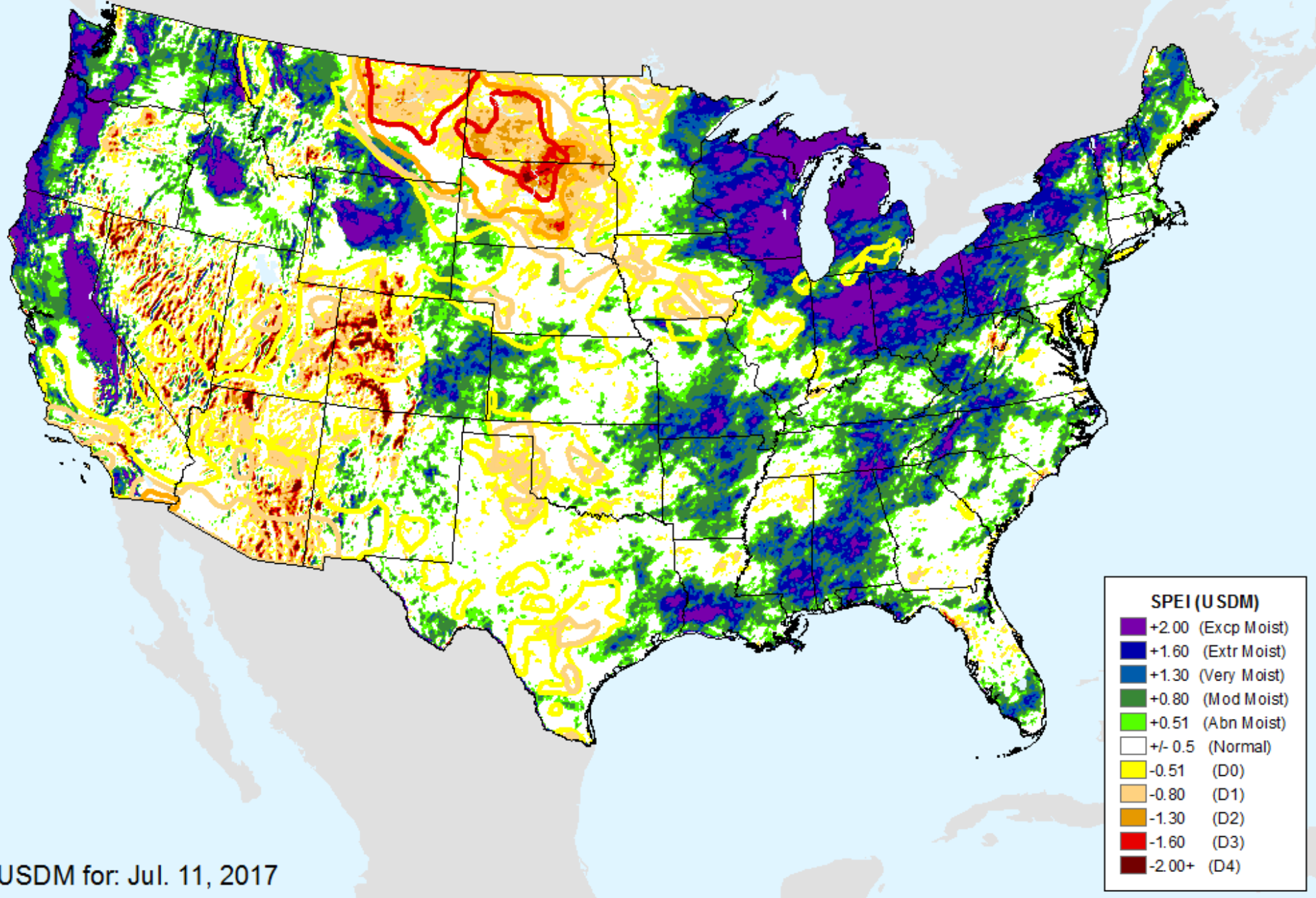


USDM for: Jul. 11, 2017



# AHPS 6-month SPEI

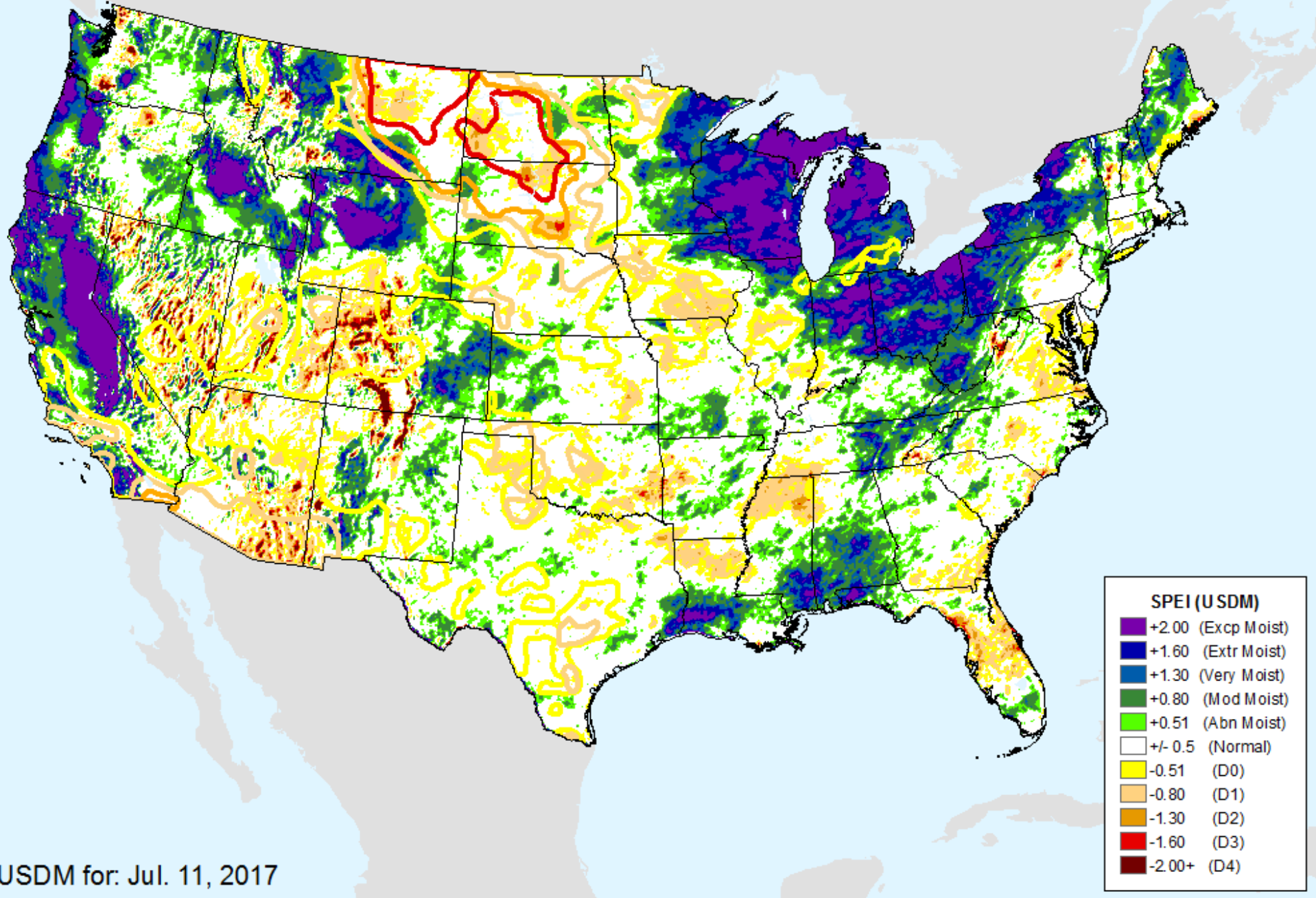
As of: Tuesday, July 18, 2017



USDM for: Jul. 11, 2017

# AHPS 9-month SPEI

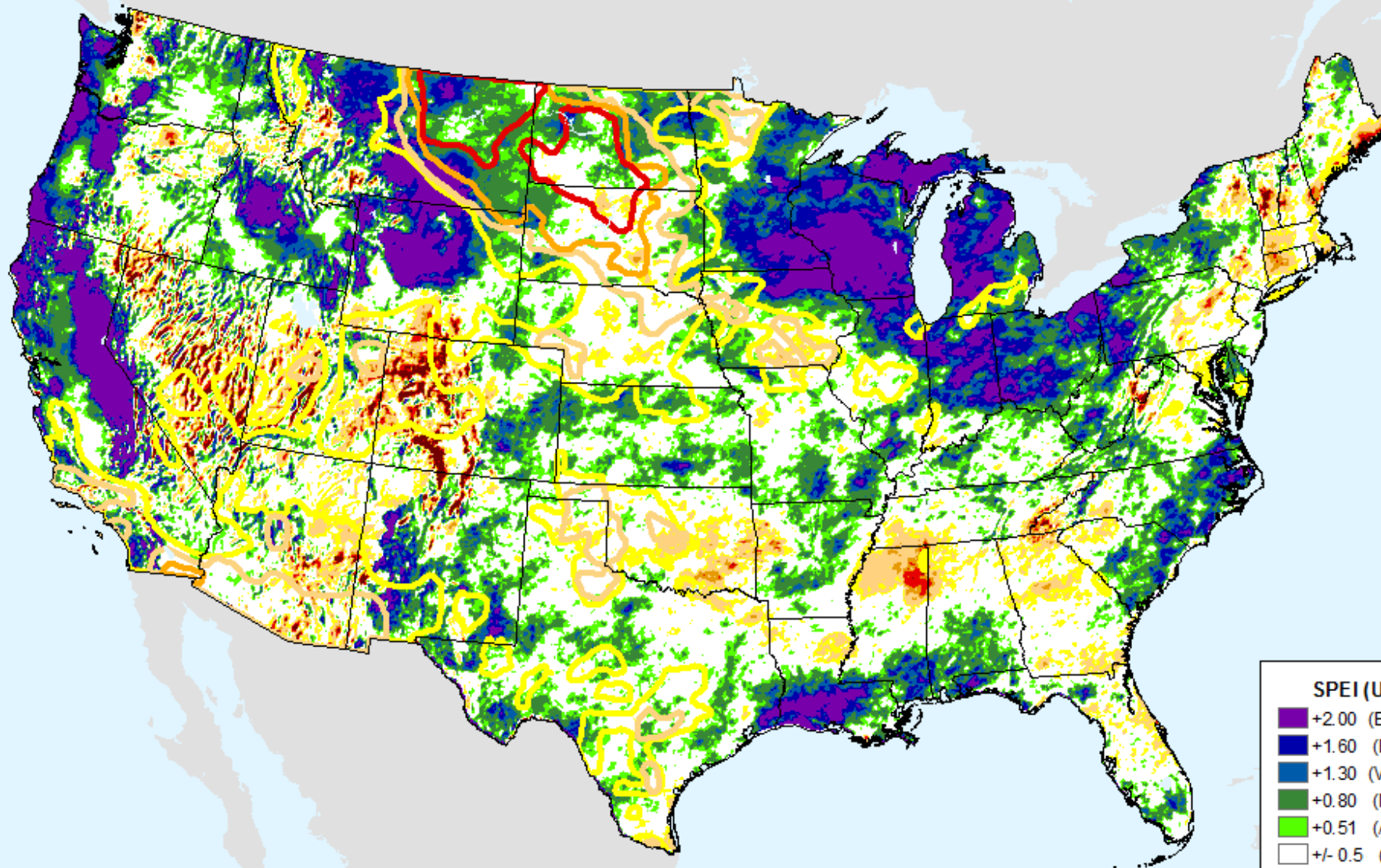
As of: Tuesday, July 18, 2017



USDM for: Jul. 11, 2017

# AHPS 12-month SPEI

As of: Tuesday, July 18, 2017



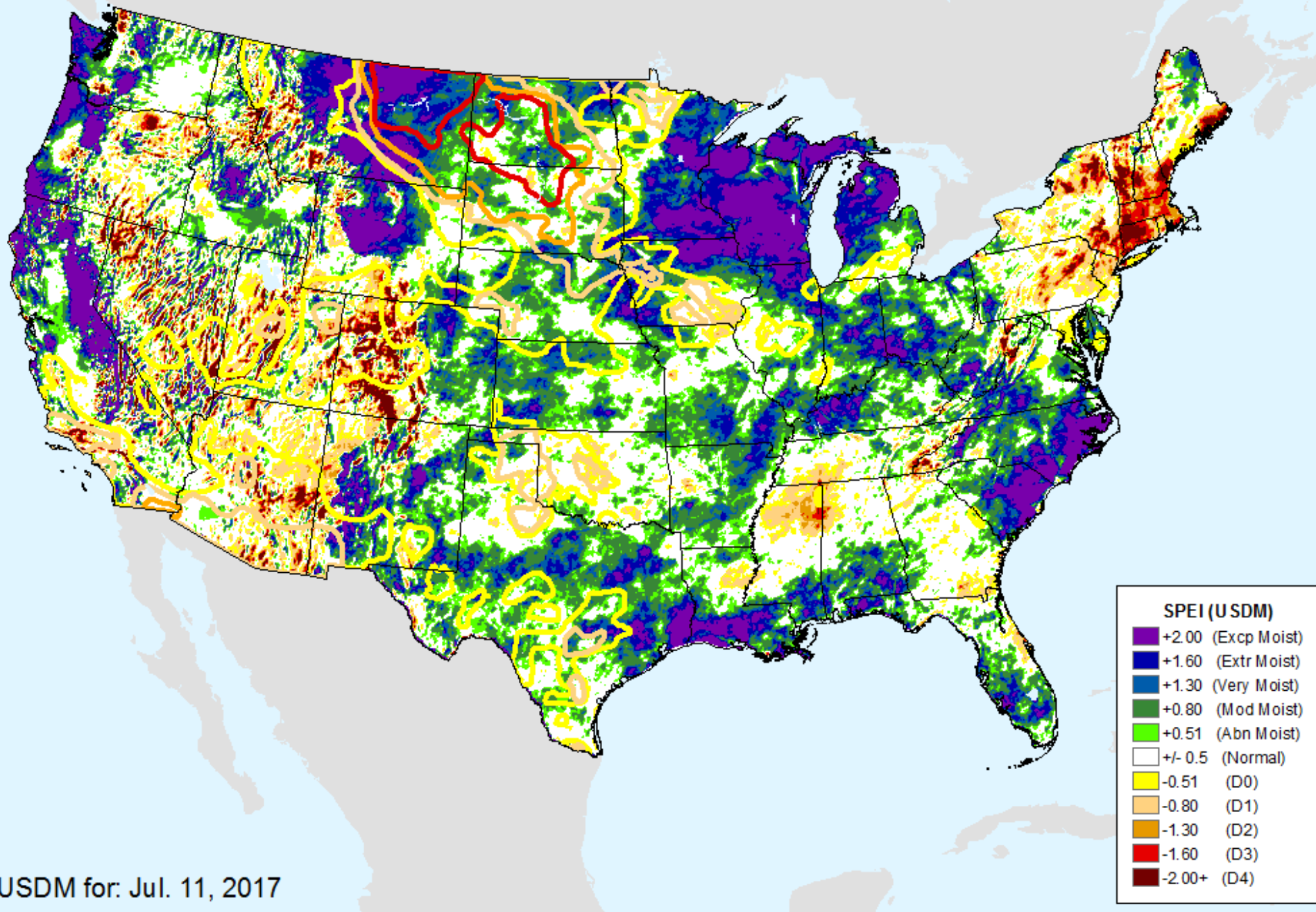
## SPEI (USDM)

- +2.00 (Excp Moist)
- +1.60 (Extr Moist)
- +1.30 (Very Moist)
- +0.80 (Mod Moist)
- +0.51 (Abn Moist)
- +/- 0.5 (Normal)
- 0.51 (D0)
- 0.80 (D1)
- 1.30 (D2)
- 1.60 (D3)
- 2.00+ (D4)

USDM for: Jul. 11, 2017

# AHPS 24-month SPEI

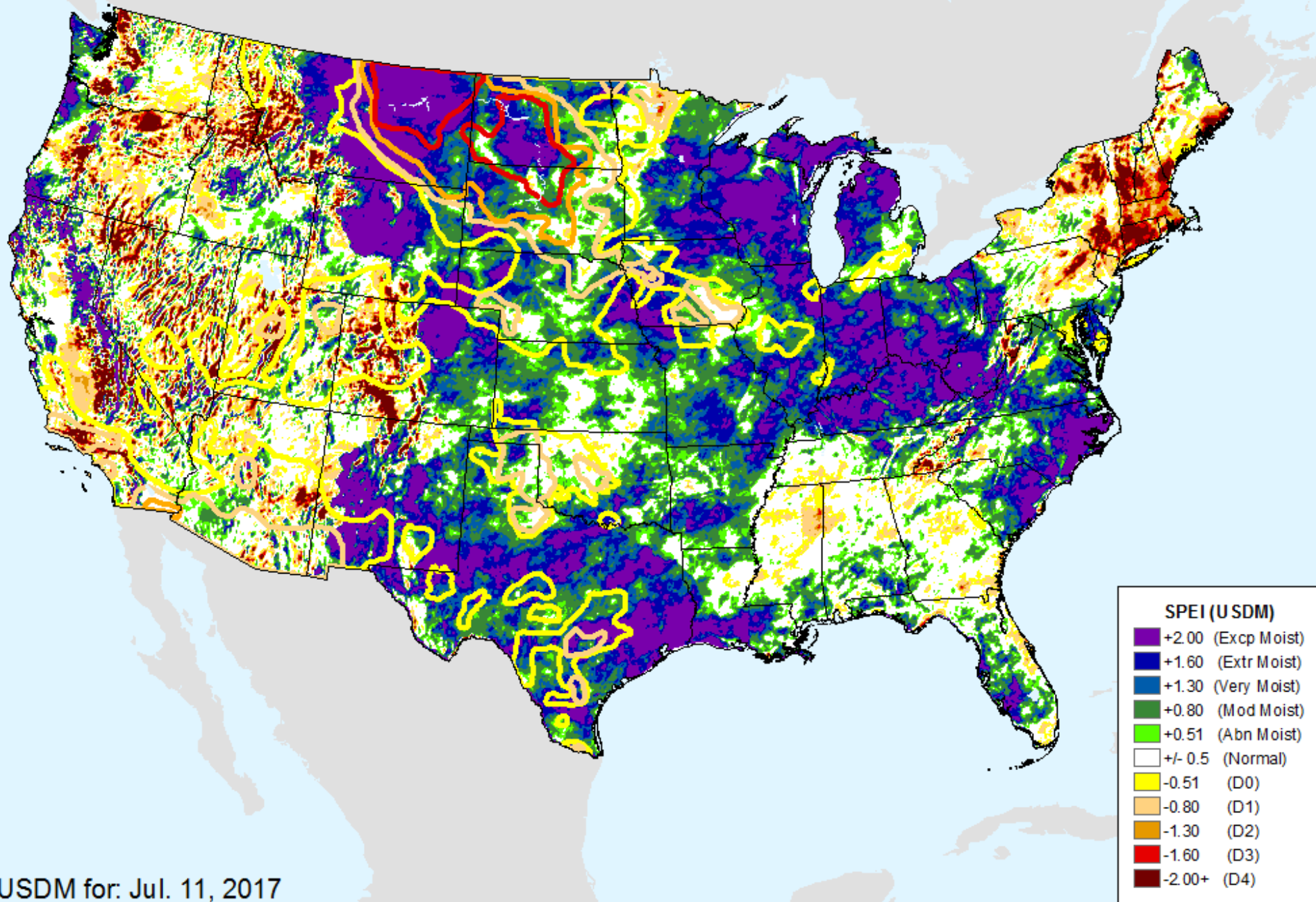
As of: Tuesday, July 18, 2017



USDM for: Jul. 11, 2017

# AHPS 36-month SPEI

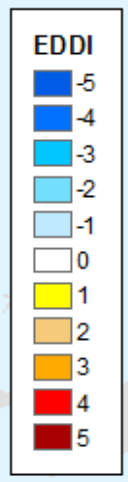
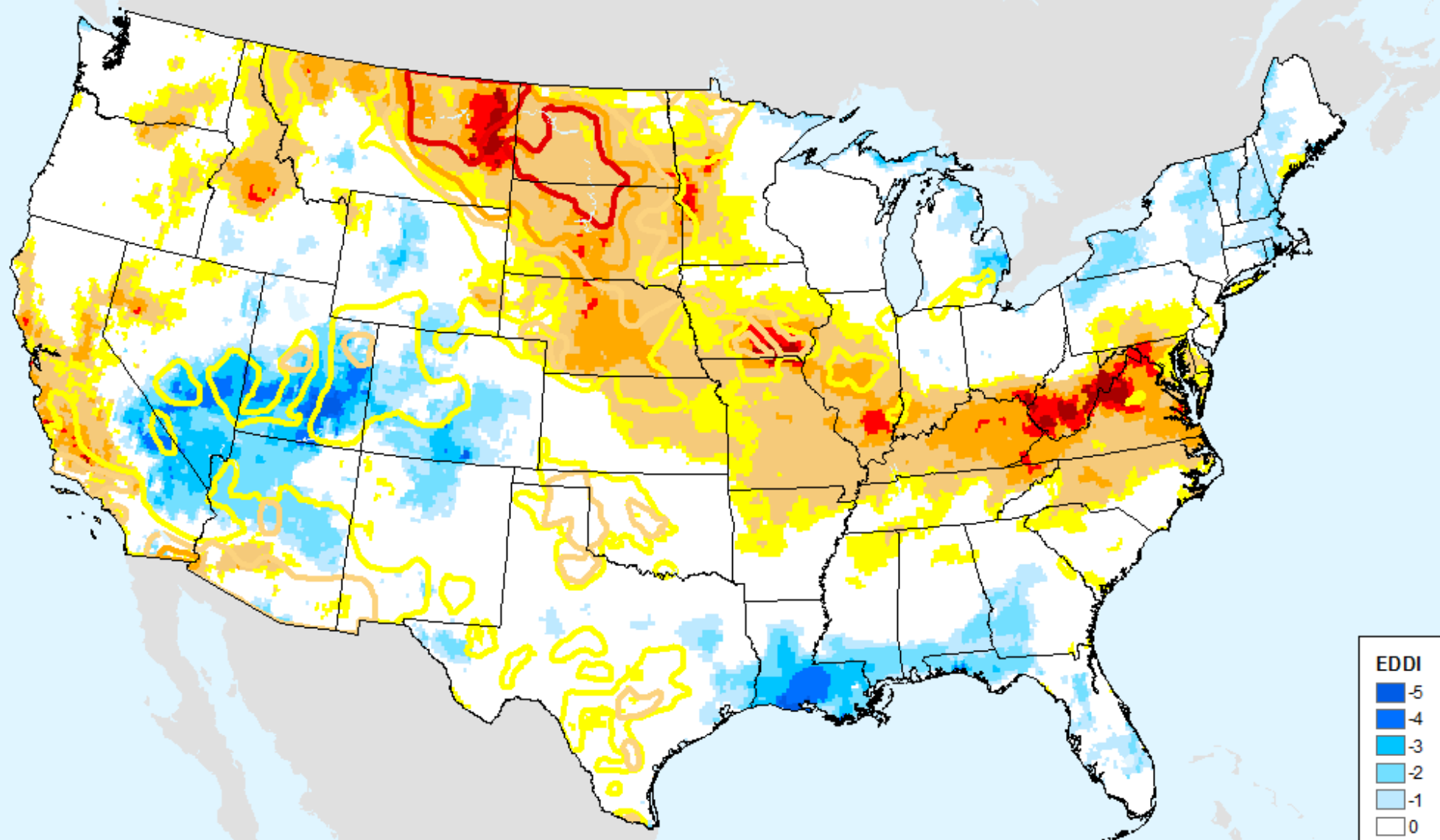
As of: Tuesday, July 18, 2017



USDM for: Jul. 11, 2017

# EDDI 1-week

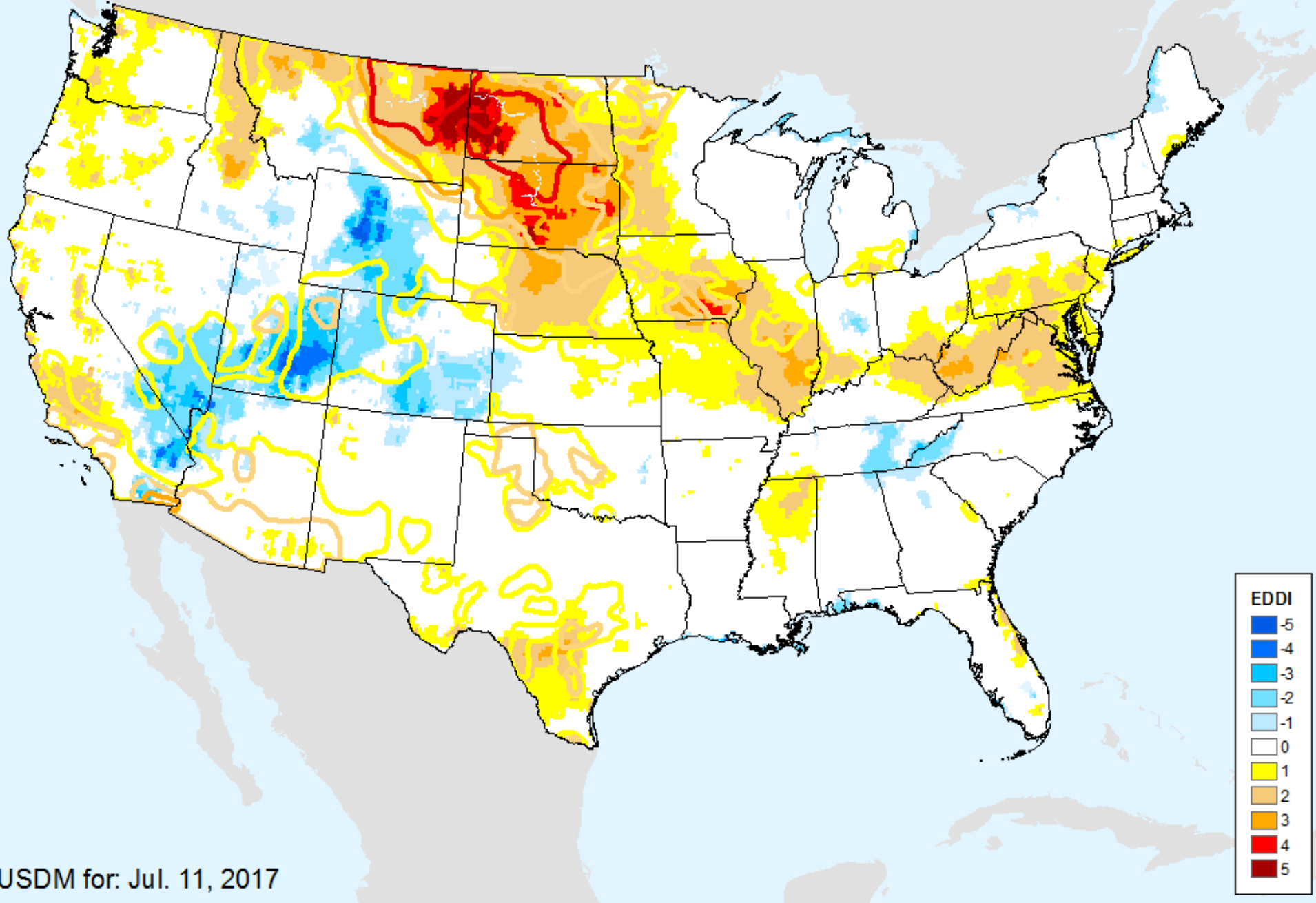
As of: Tuesday, July 18, 2017



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# EDDI 2-week

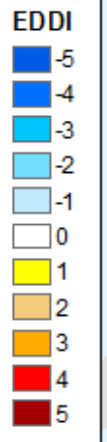
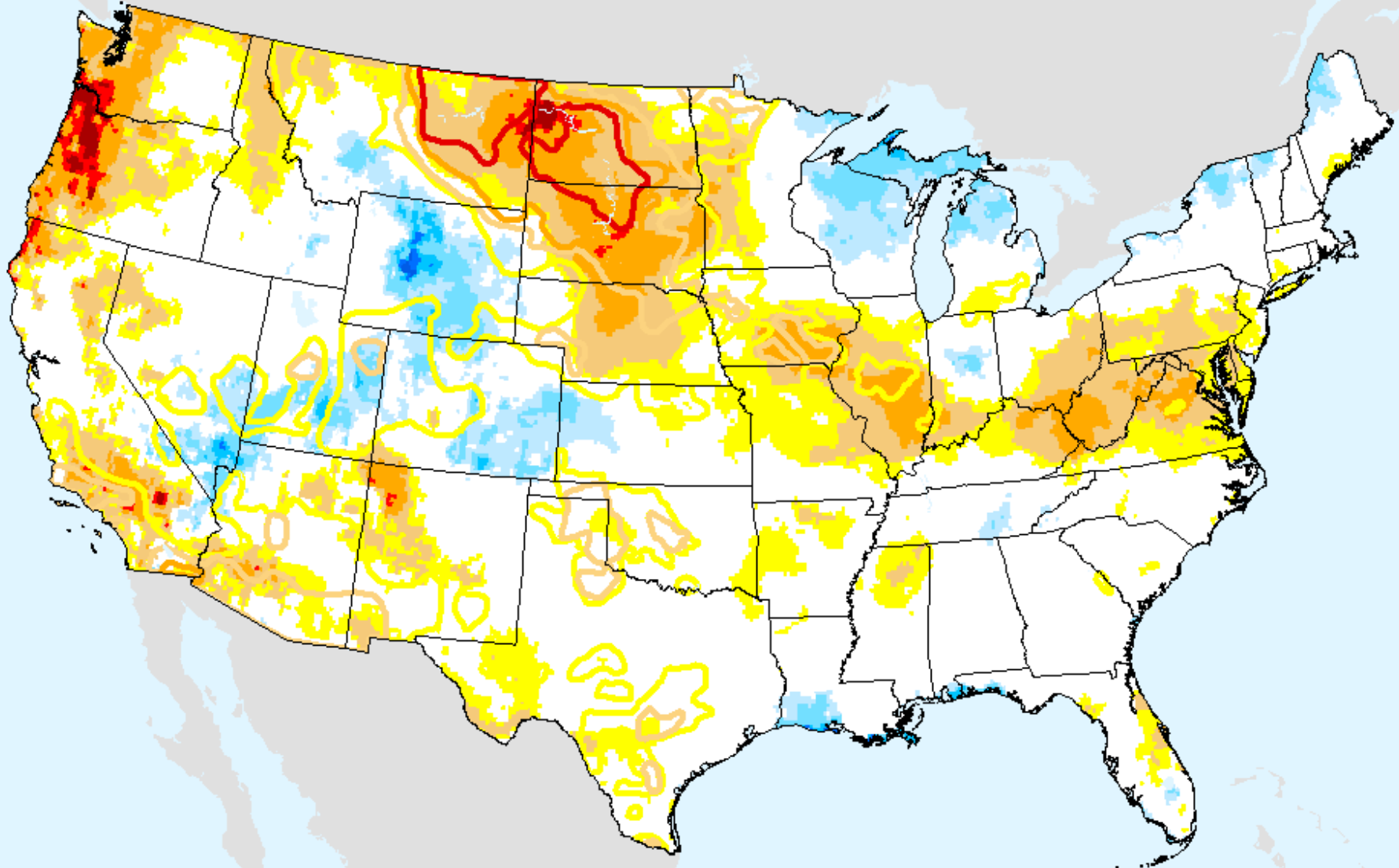
As of: Tuesday, July 18, 2017



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# EDDI 3-week

As of: Tuesday, July 18, 2017

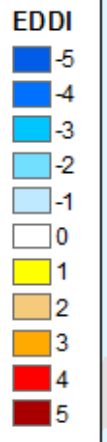
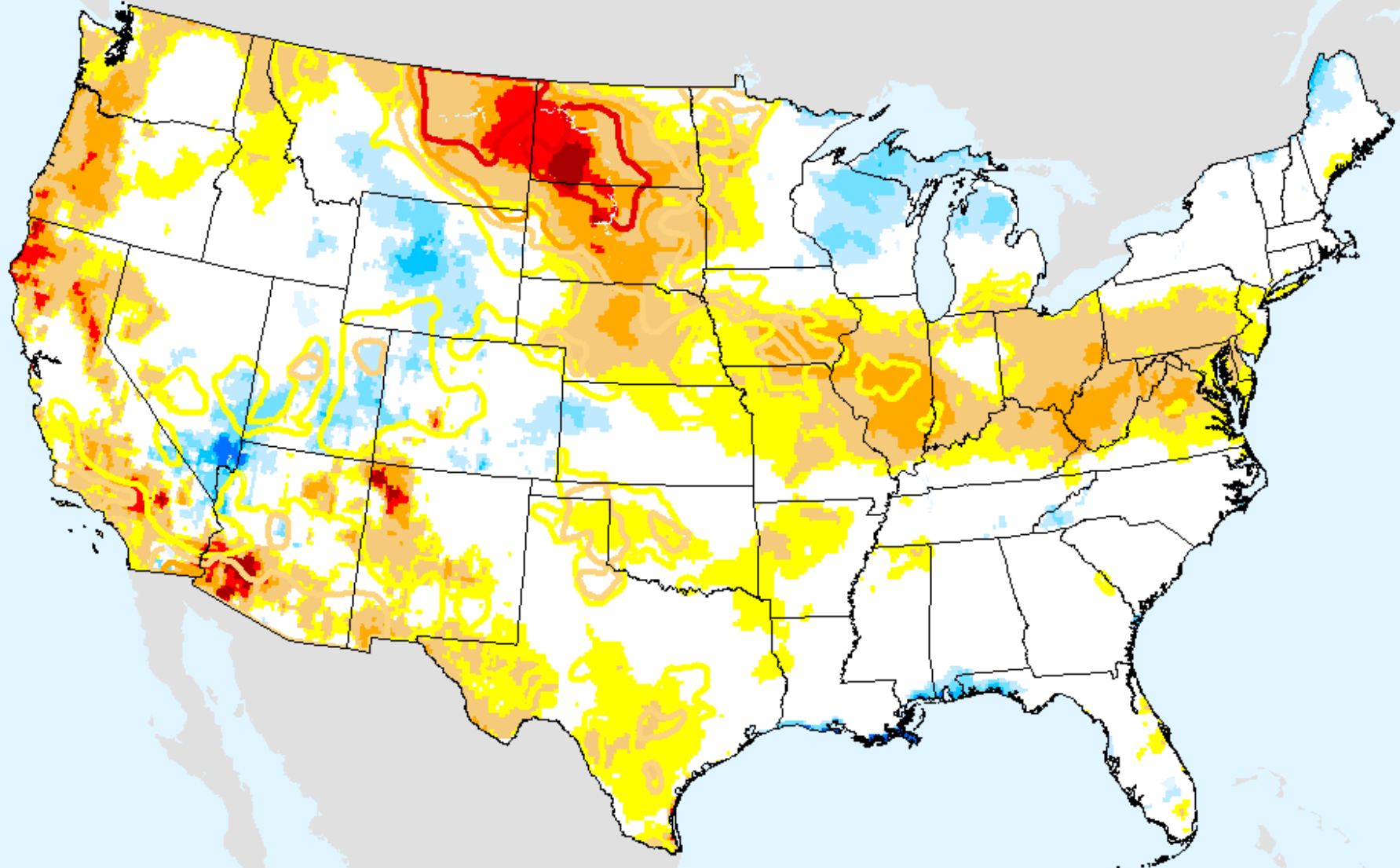


USDM for: Jul. 11, 2017



# EDDI 4-week

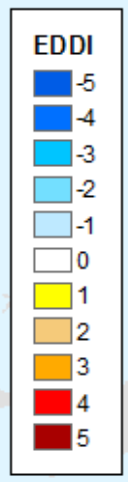
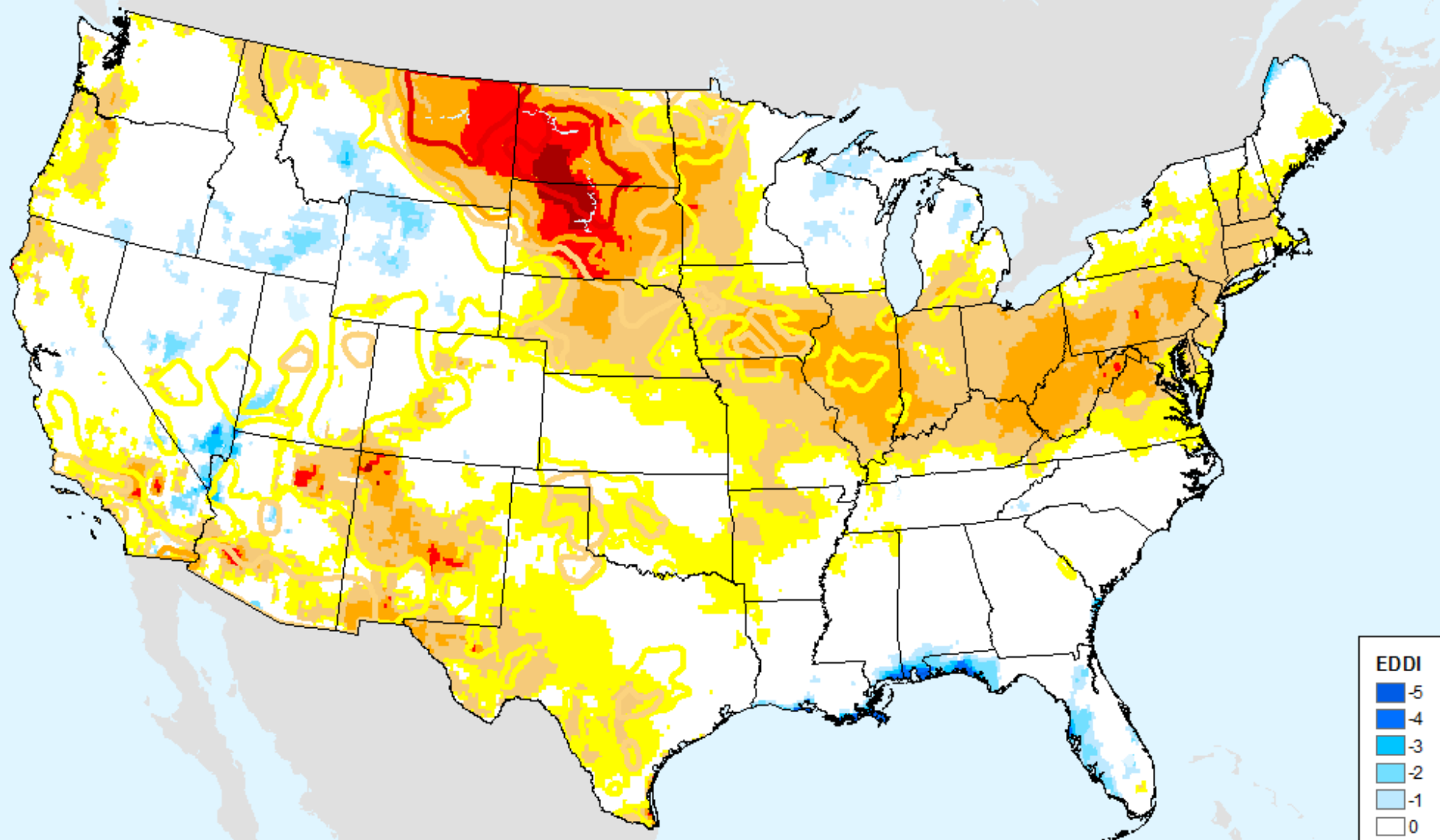
As of: Tuesday, July 18, 2017



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# EDDI 5-week

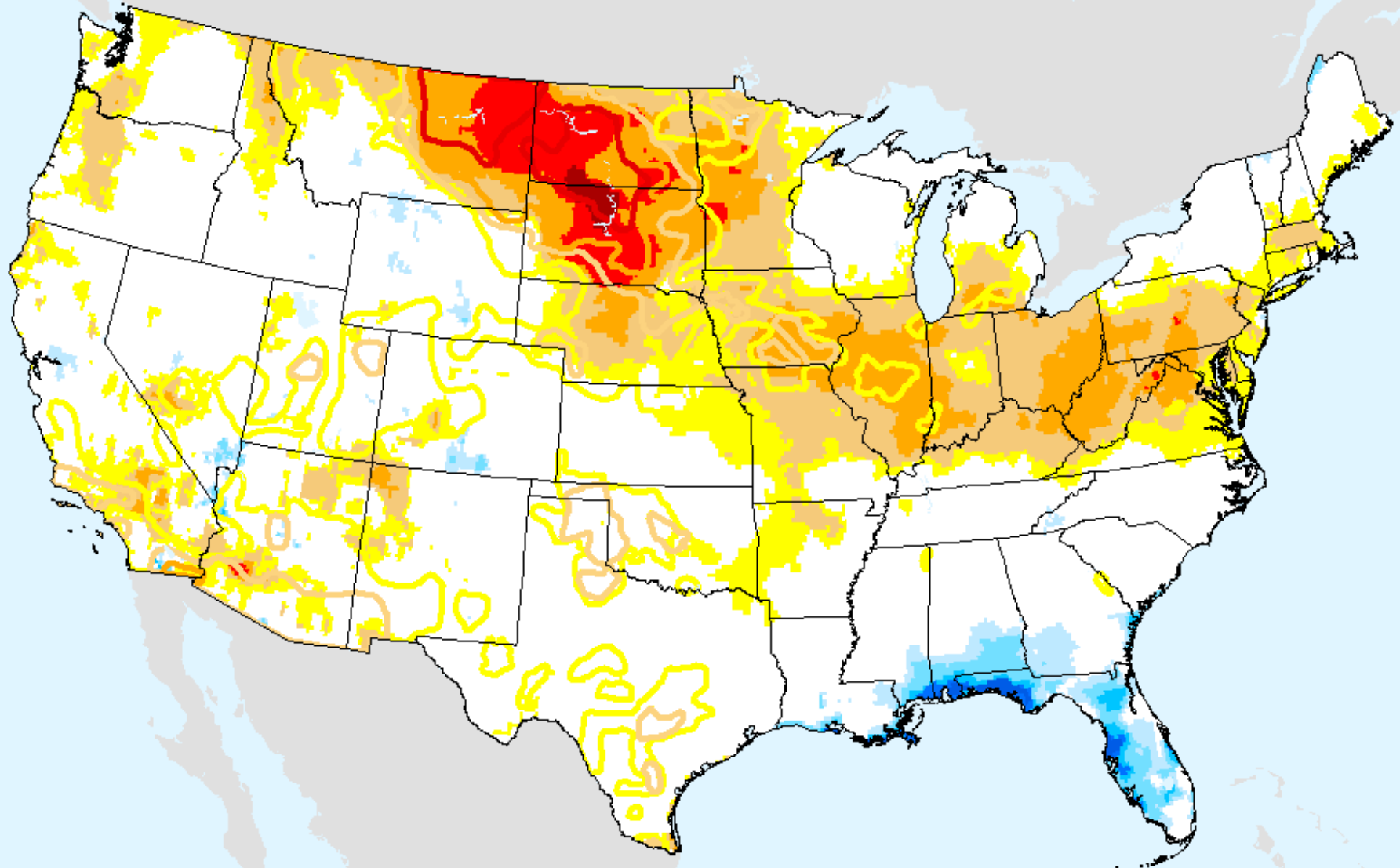
As of: Tuesday, July 18, 2017



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# EDDI 6-week

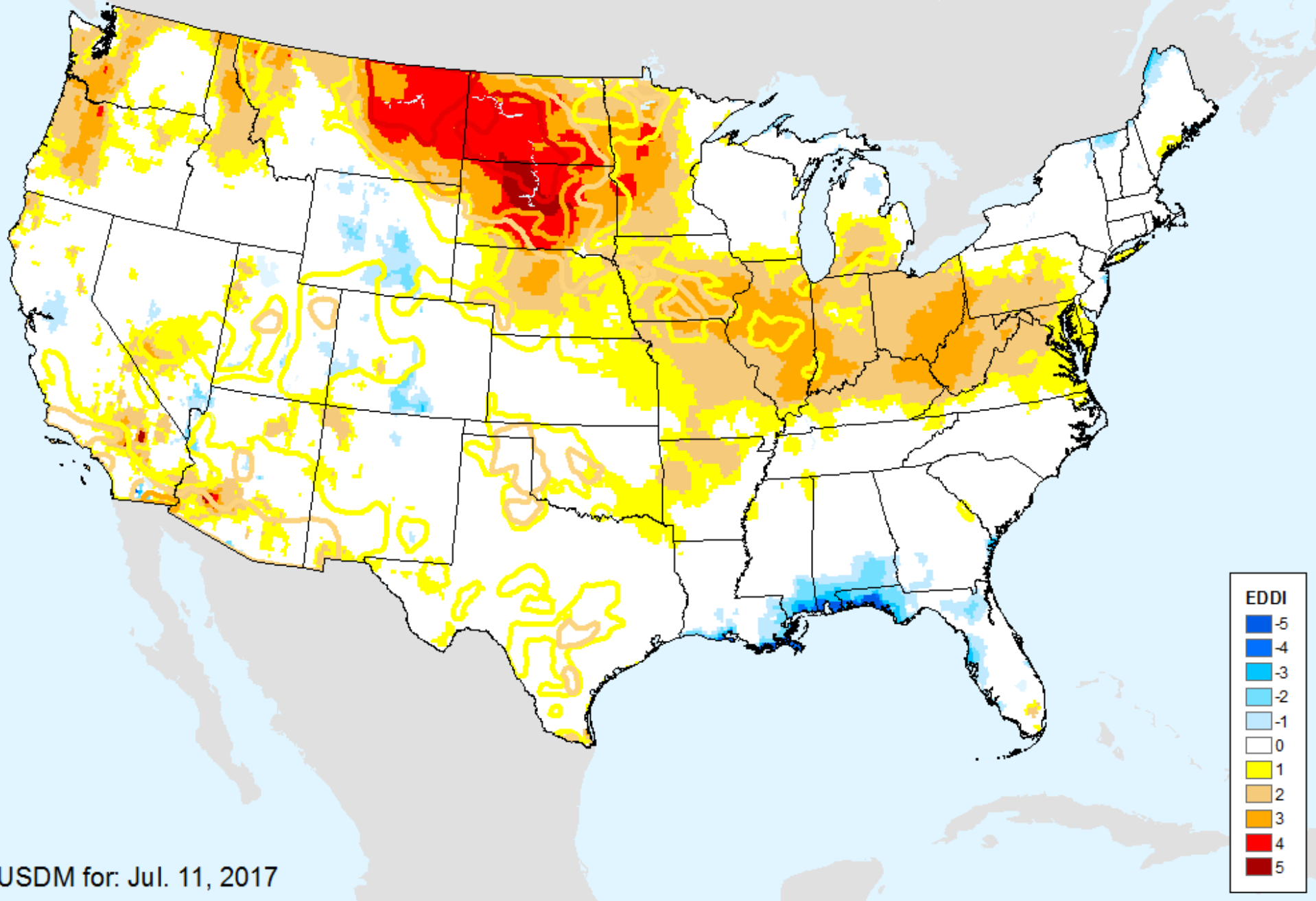
As of: Tuesday, July 18, 2017



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# EDDI 7-week

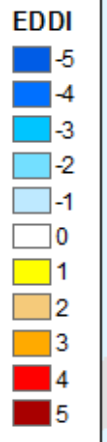
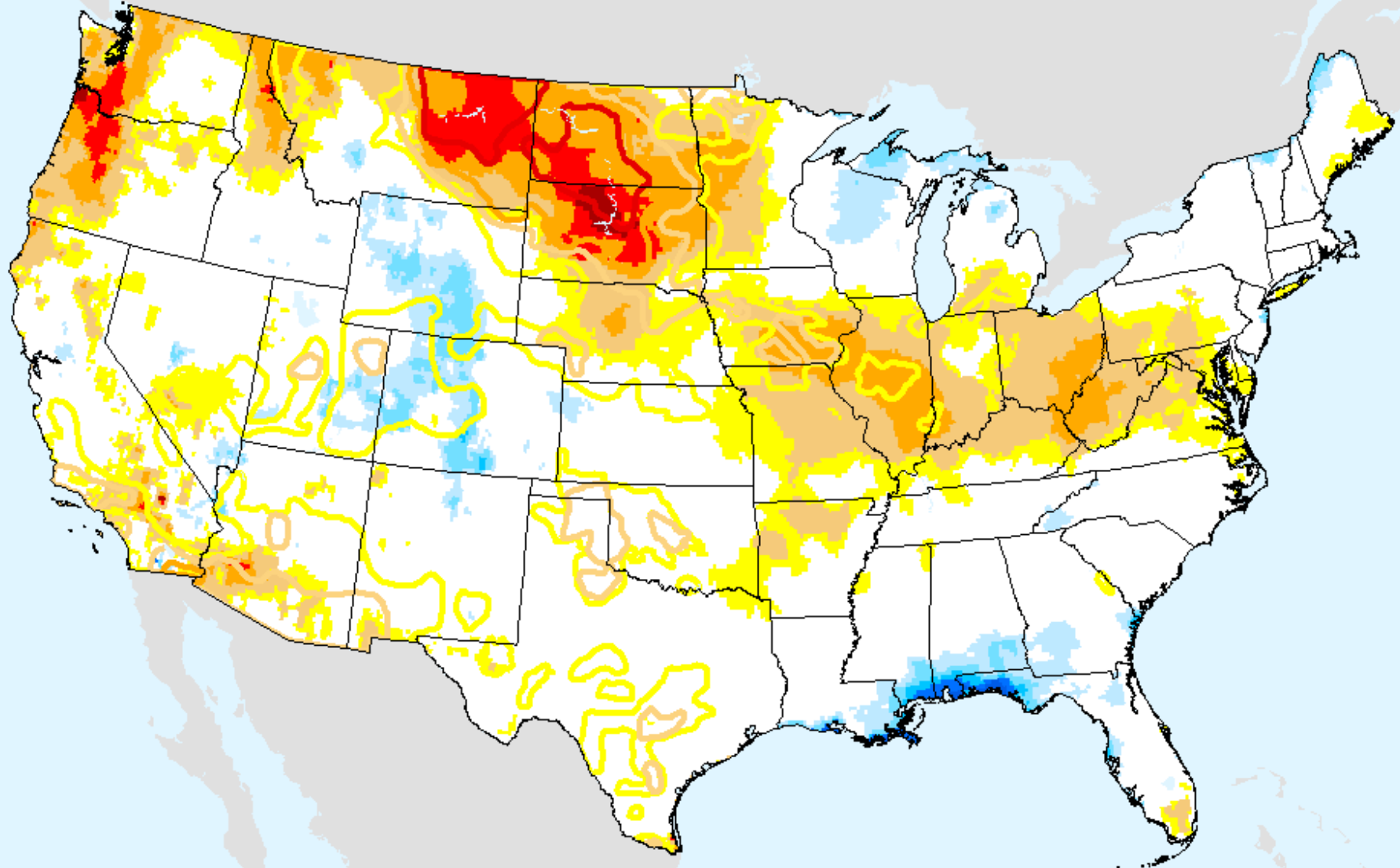
As of: Tuesday, July 18, 2017



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# EDDI 8-week

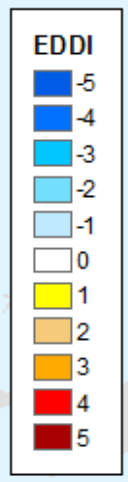
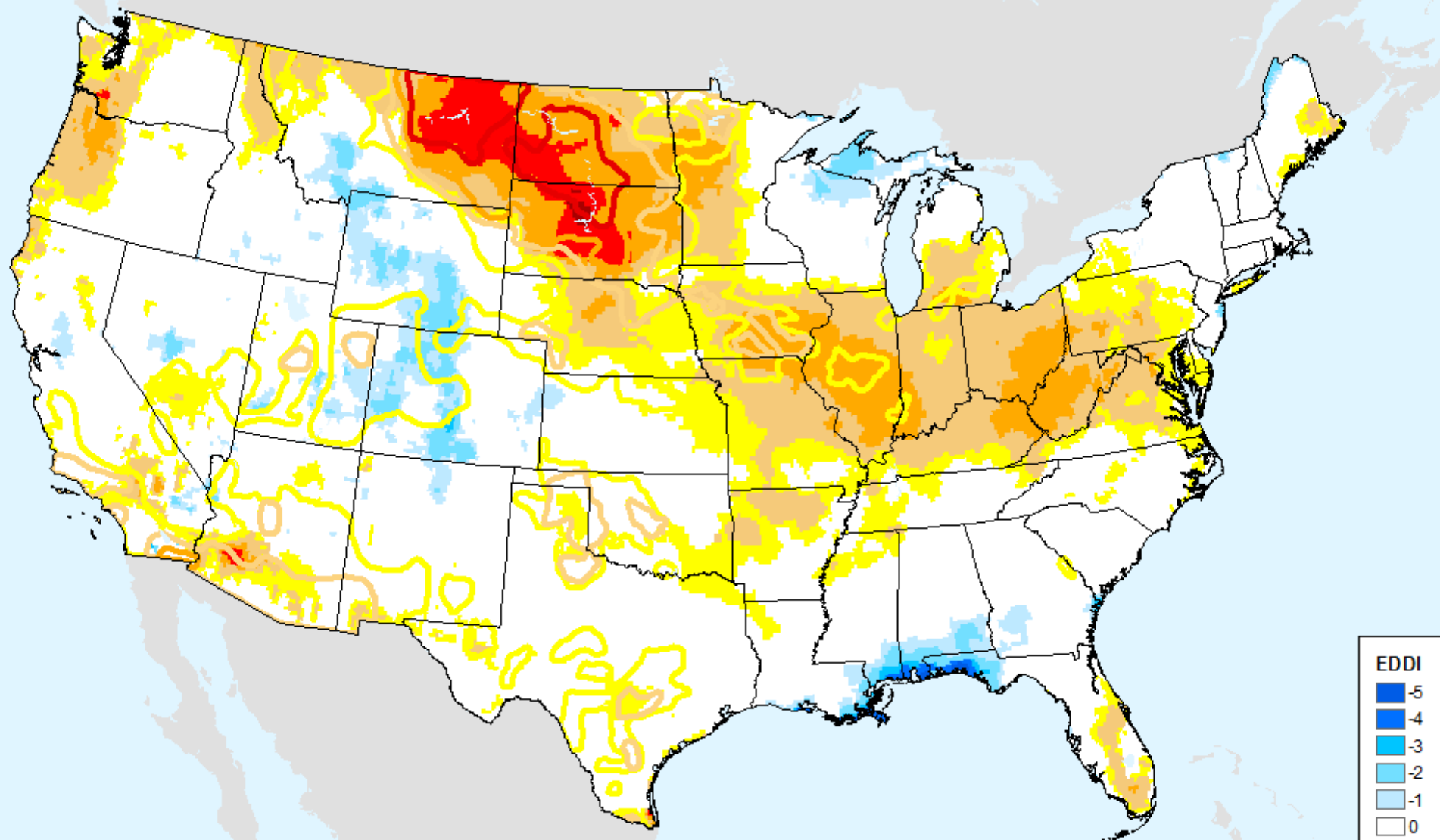
As of: Tuesday, July 18, 2017



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# EDDI 9-week

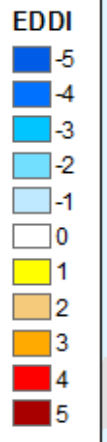
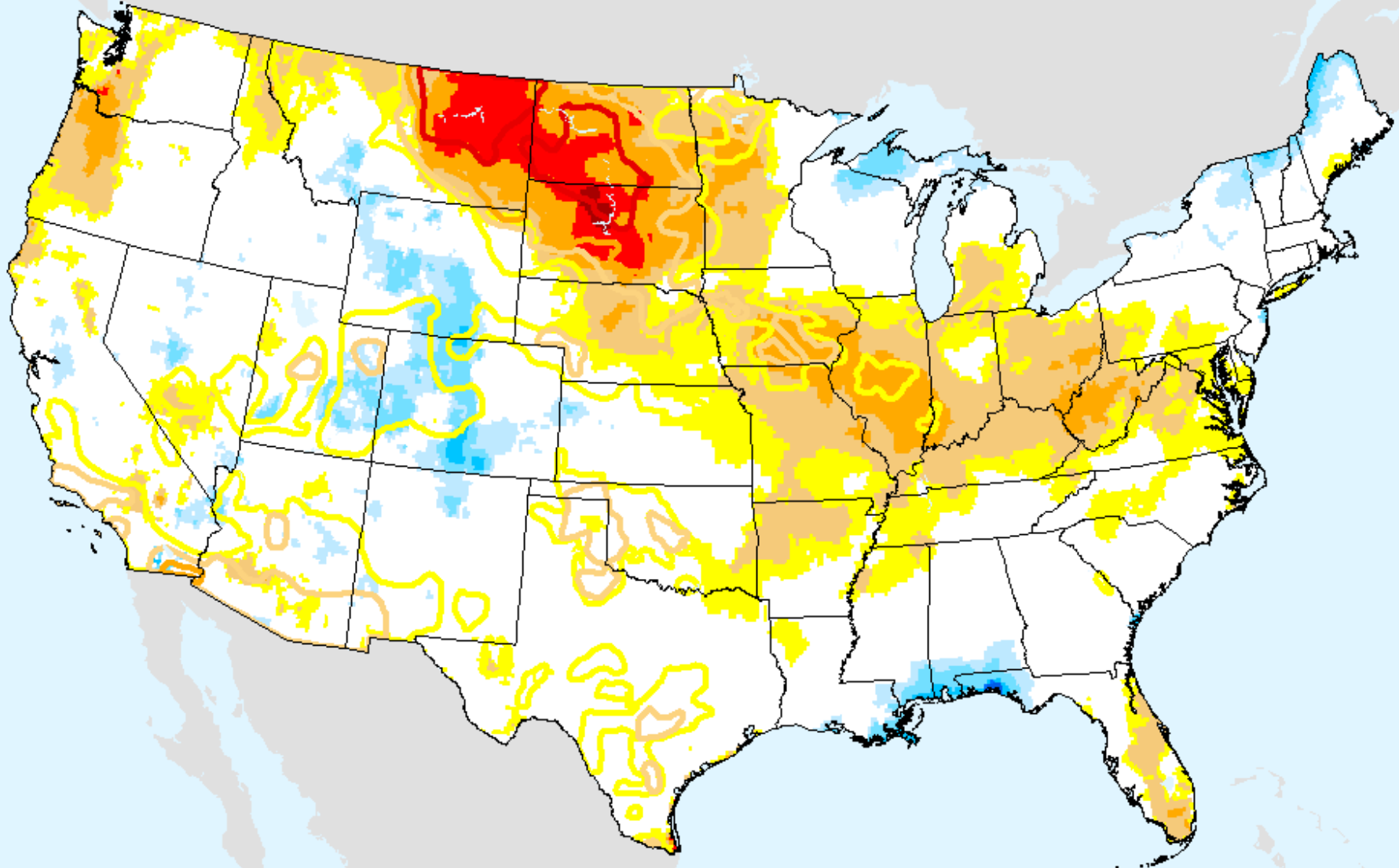
As of: Tuesday, July 18, 2017



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# EDDI 10-week

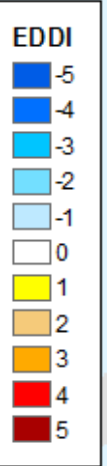
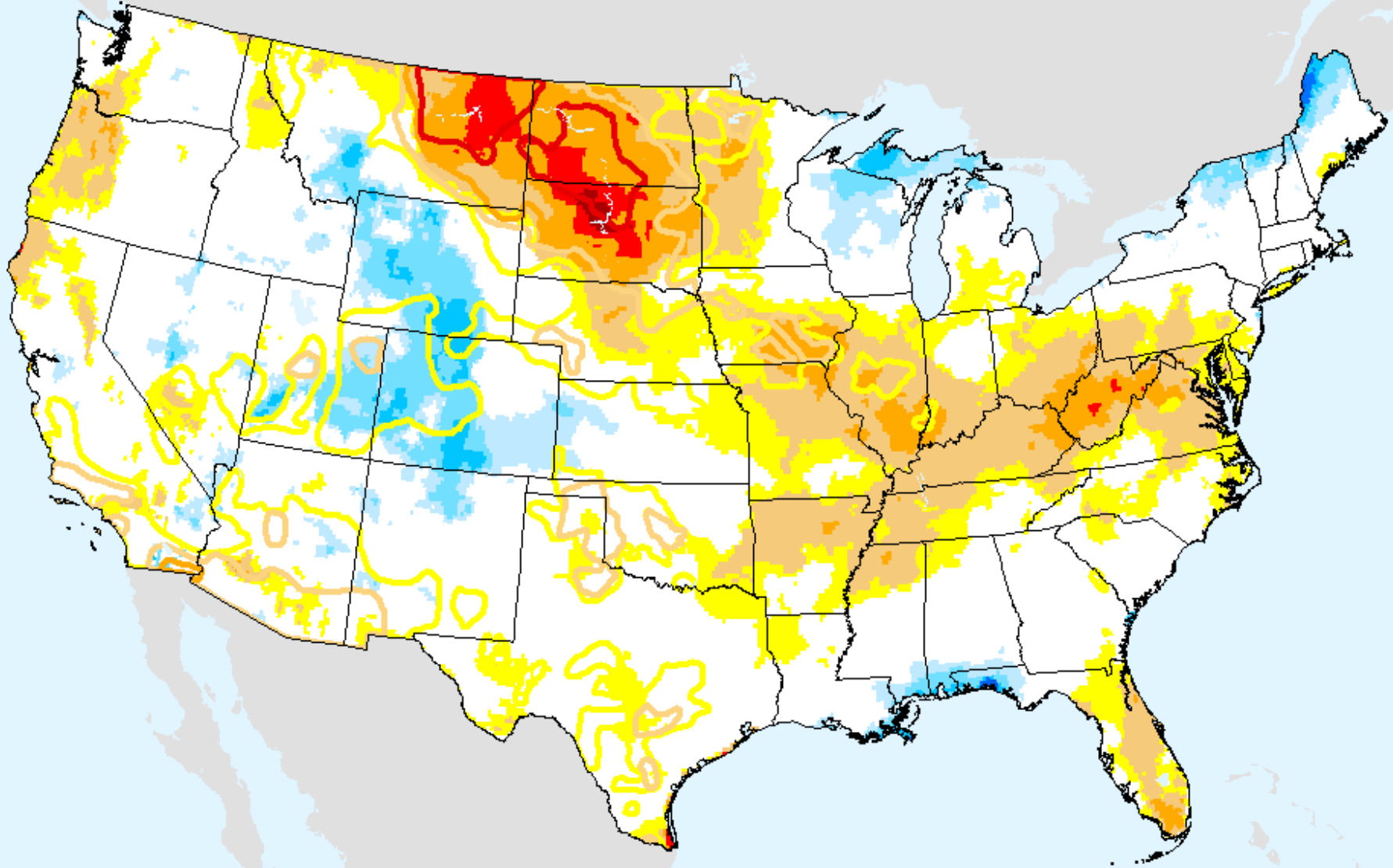
As of: Tuesday, July 18, 2017



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# EDDI 11-week

As of: Tuesday, July 18, 2017

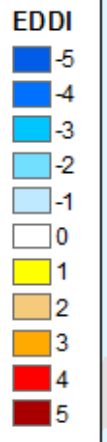
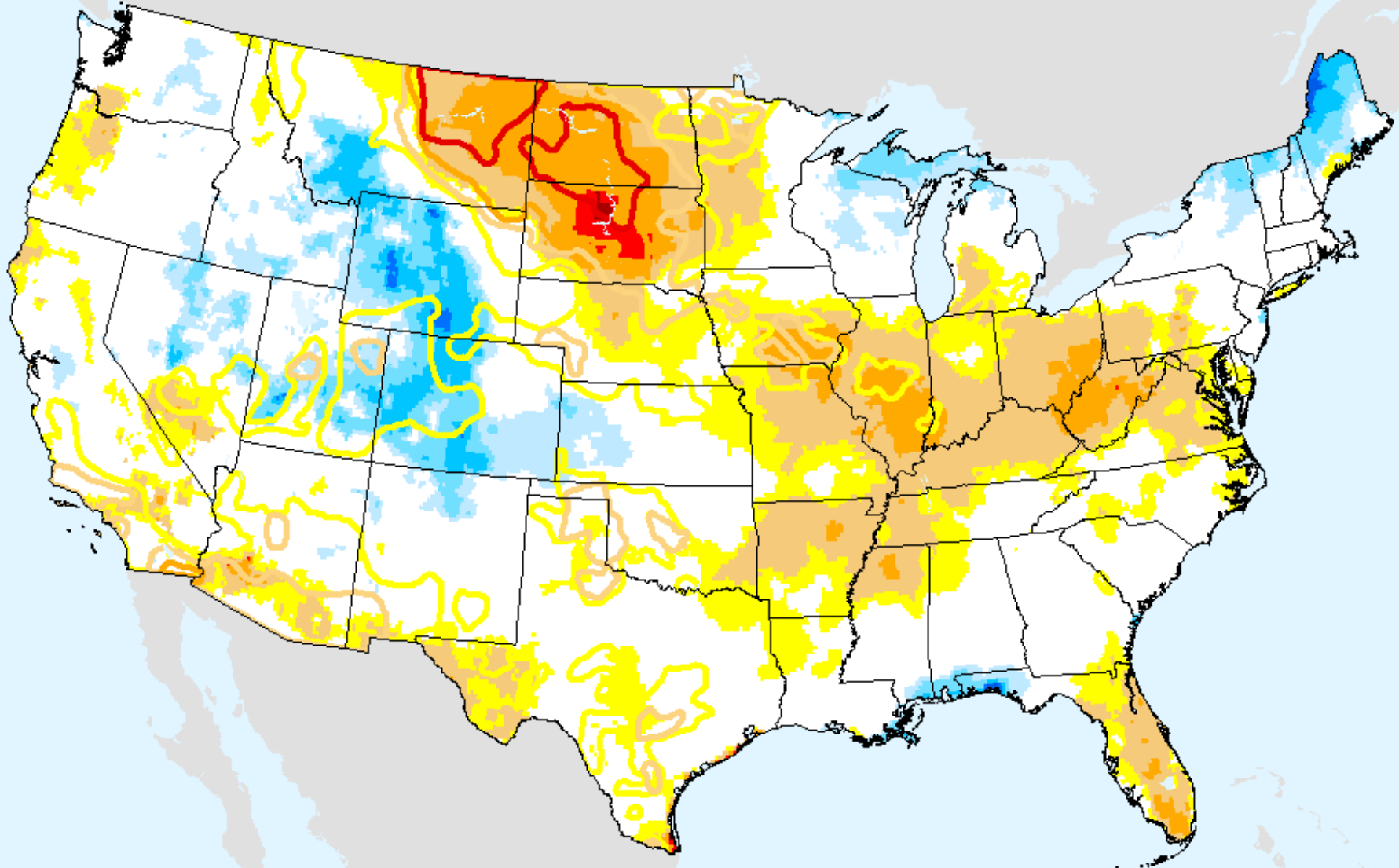


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# EDDI 12-week

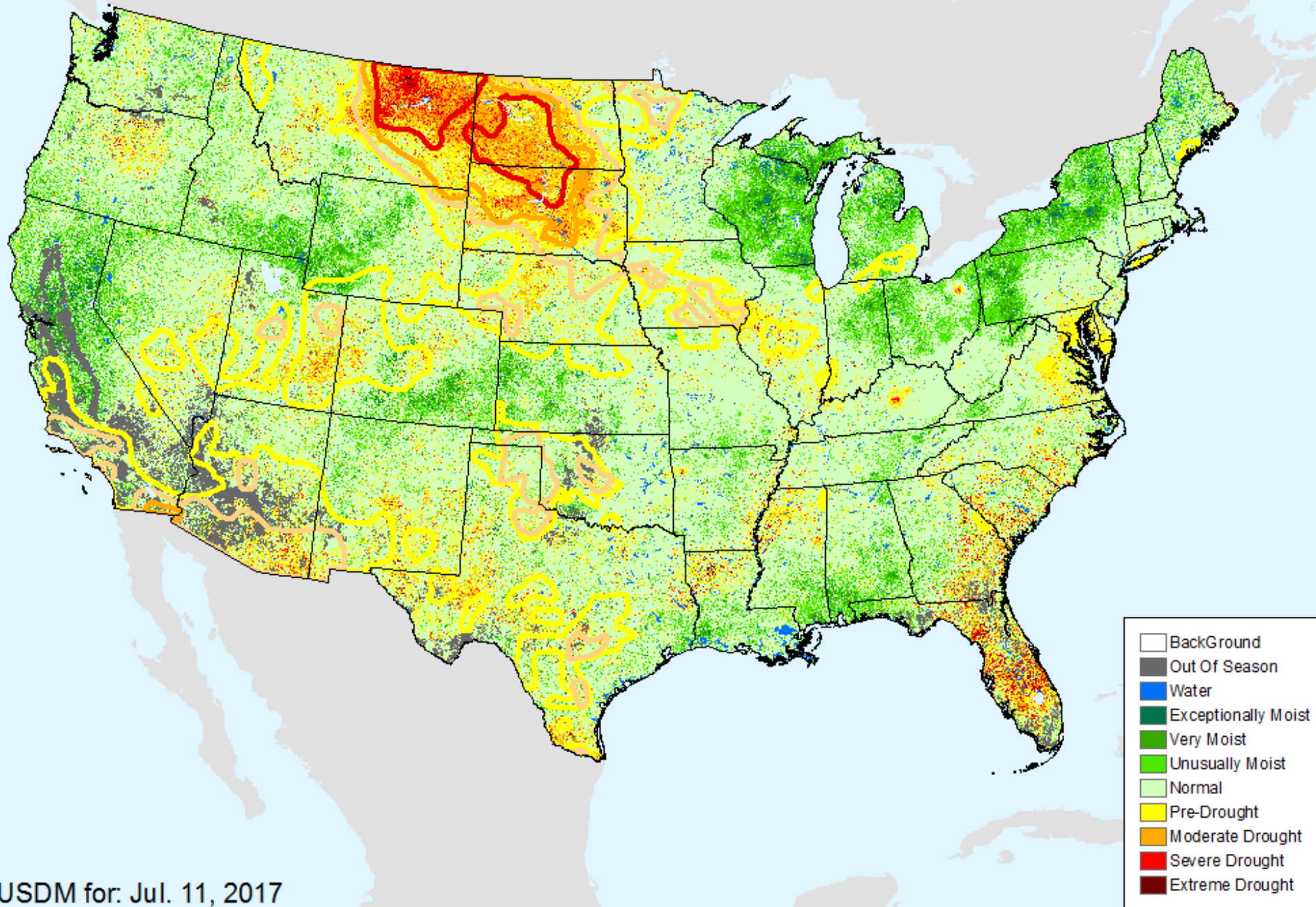
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# Vegetation Drought Response Index (VegDRI)

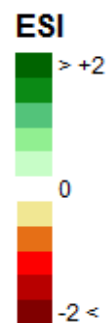
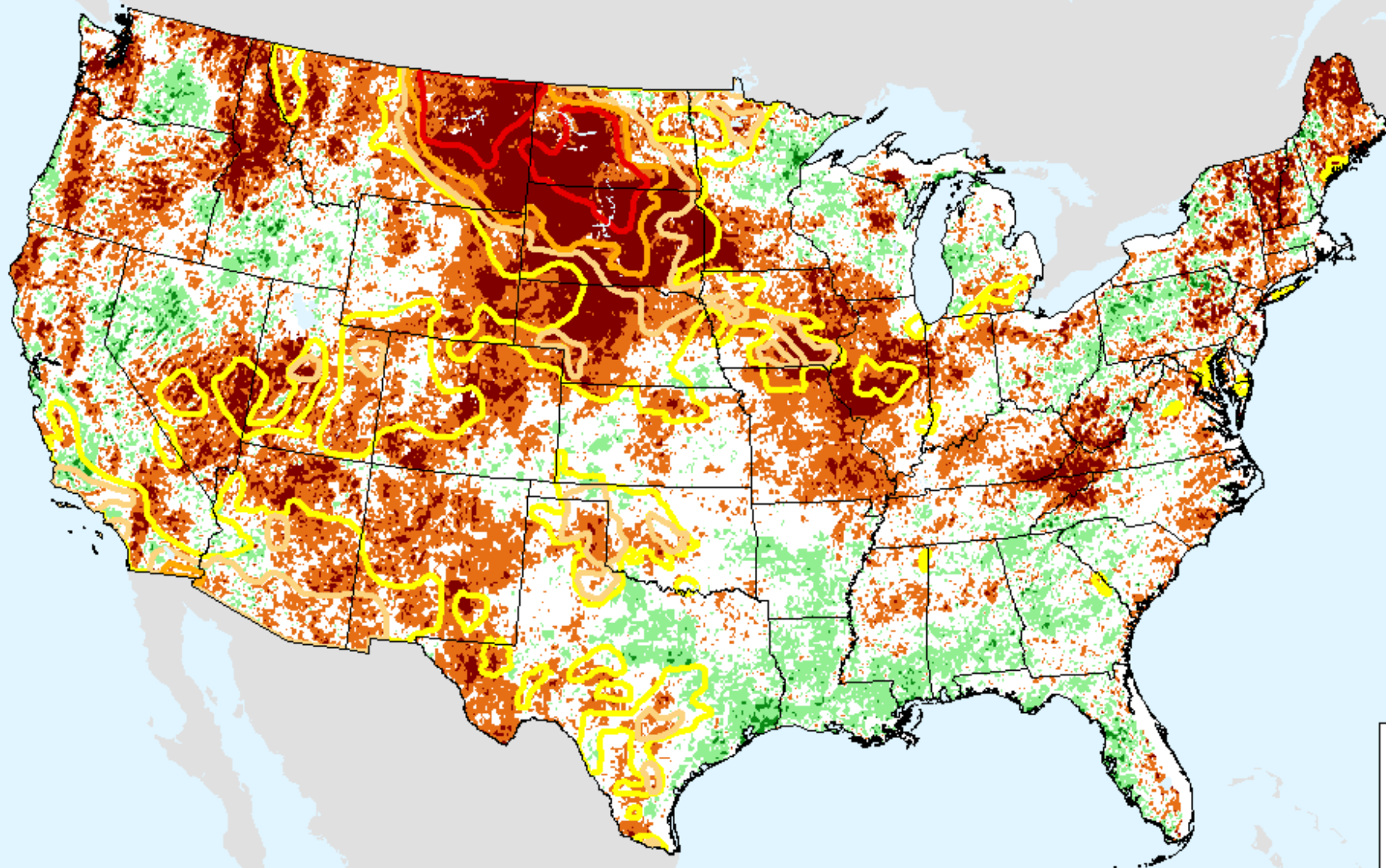
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# Evaporative Stress Index (ESI) 4-week

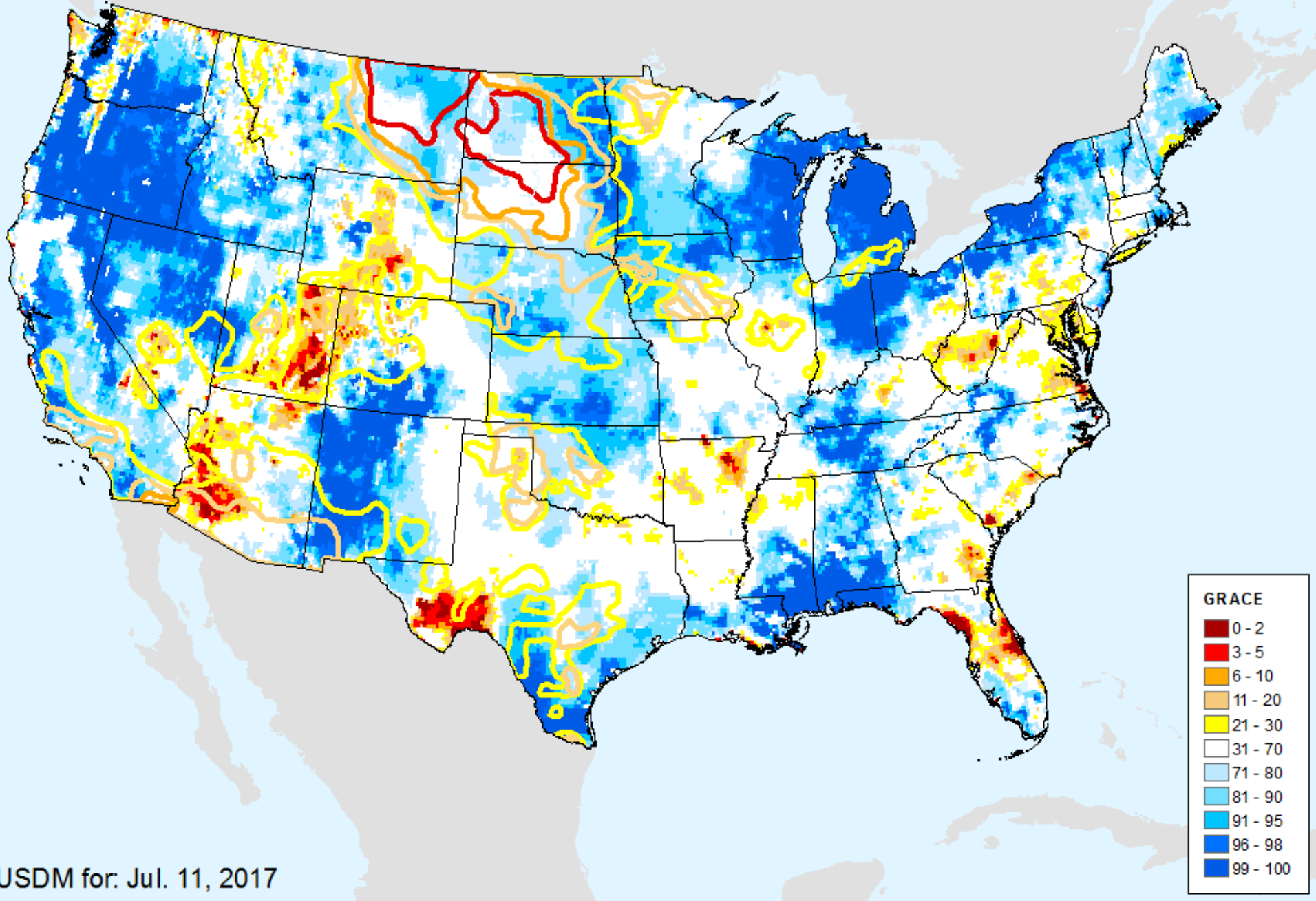
As of: Tuesday, July 18, 2017



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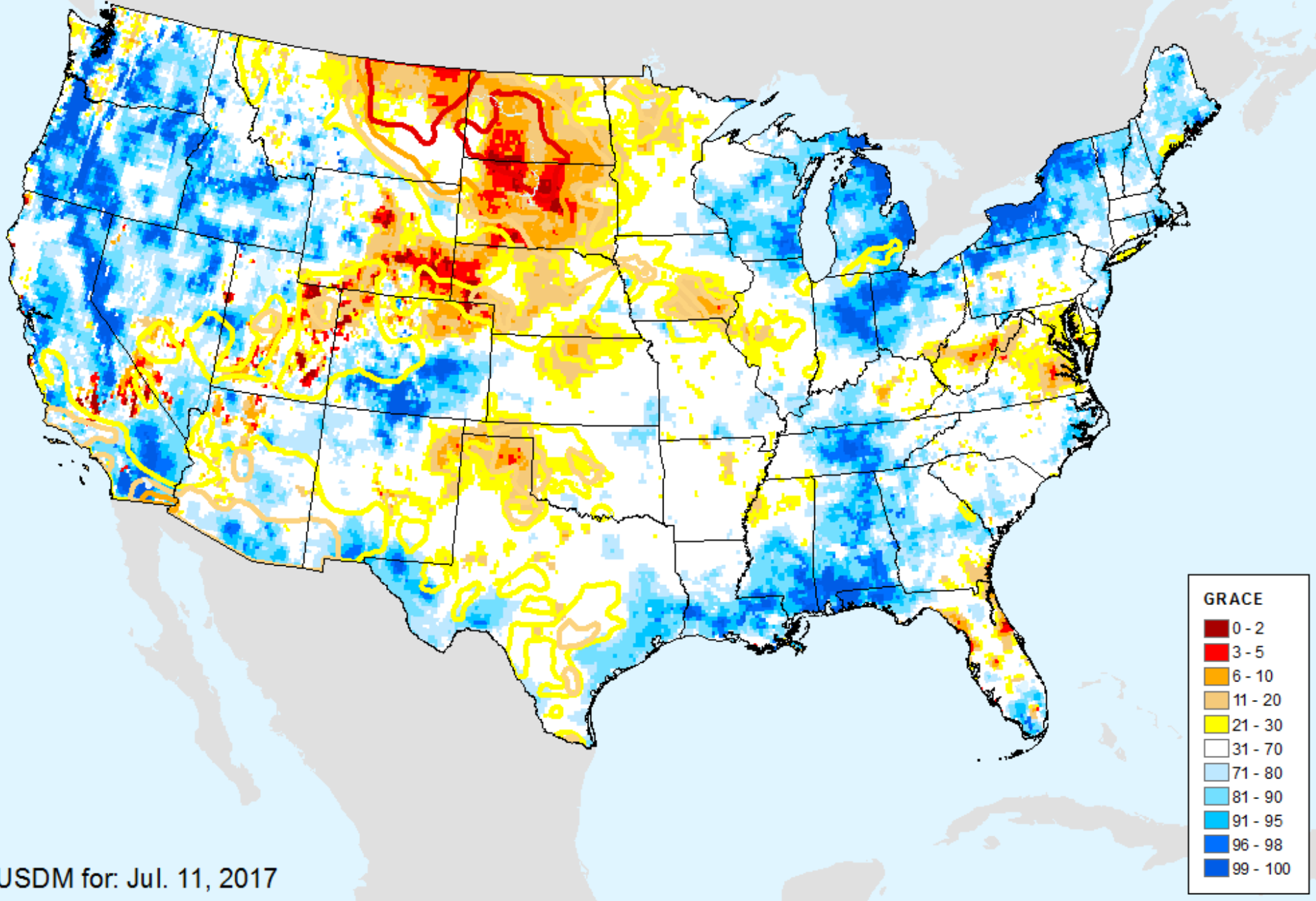
# GRACE-Based Shallow Groundwater Drought Indicator

As of: Tuesday, July 18, 2017



# GRACE-Based Root Zone Soil Moisture Drought Indicator

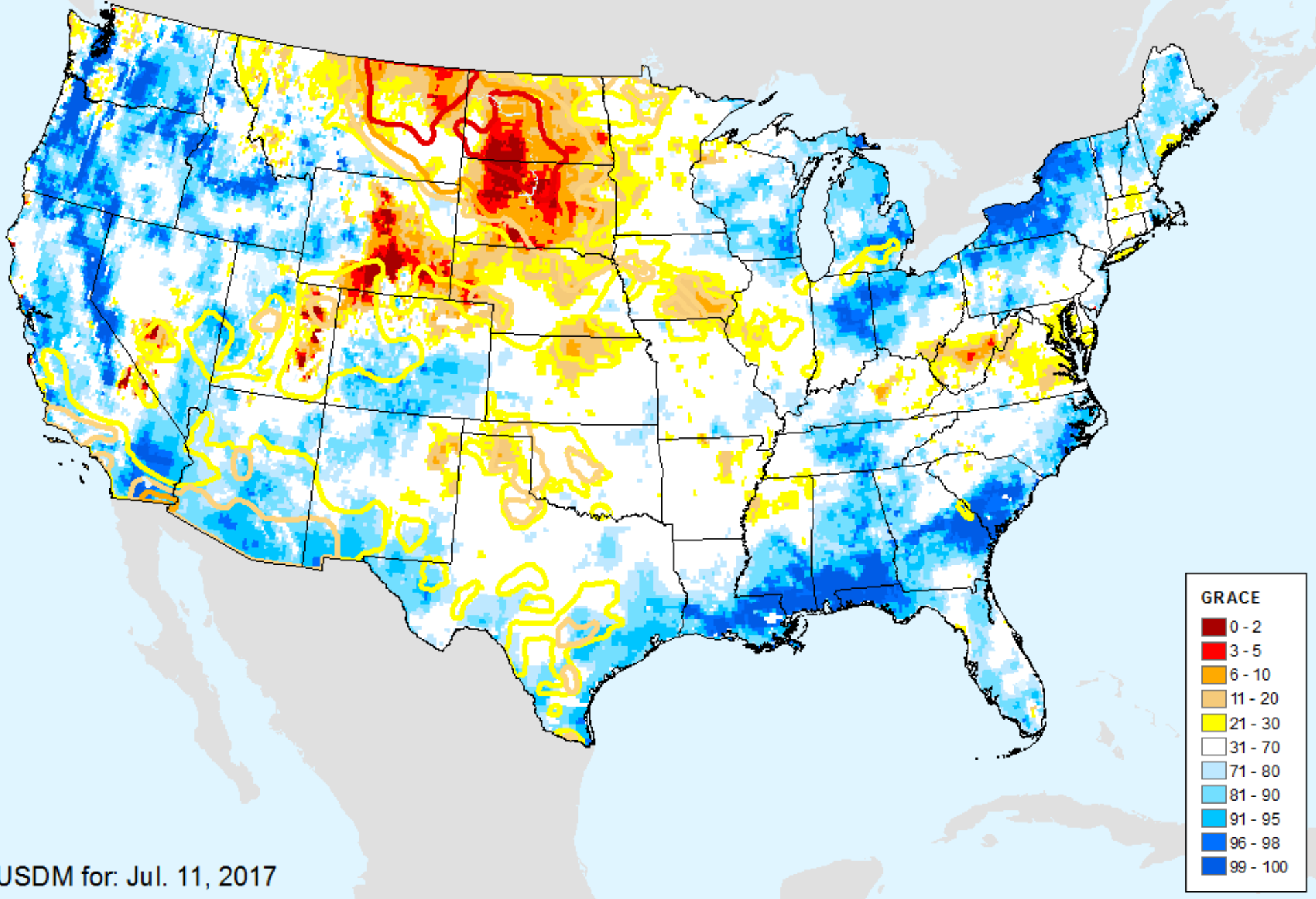
As of: Tuesday, July 18, 2017



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# GRACE-Based Surface Soil Moisture Drought Indicator

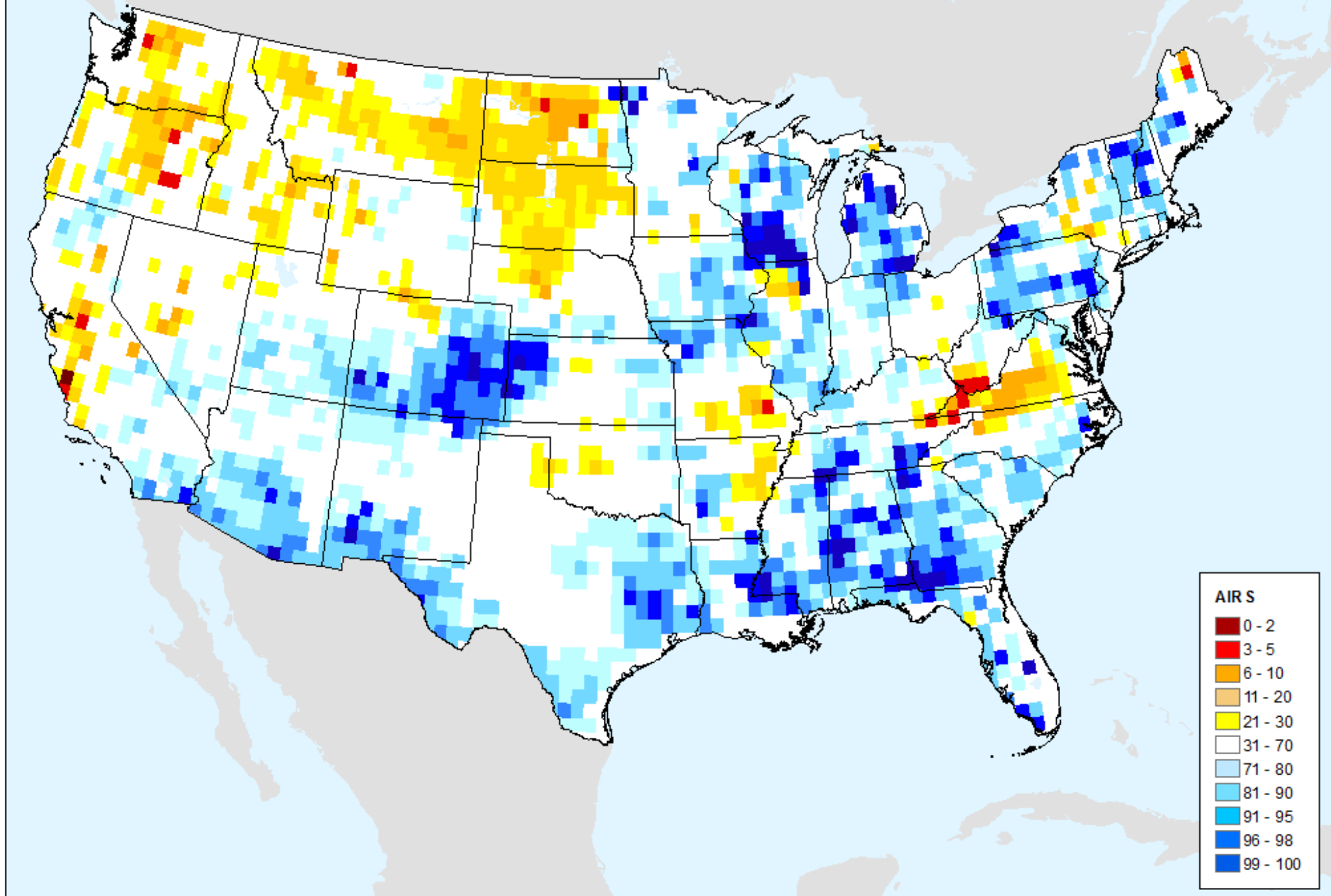
As of: Tuesday, July 18, 2017



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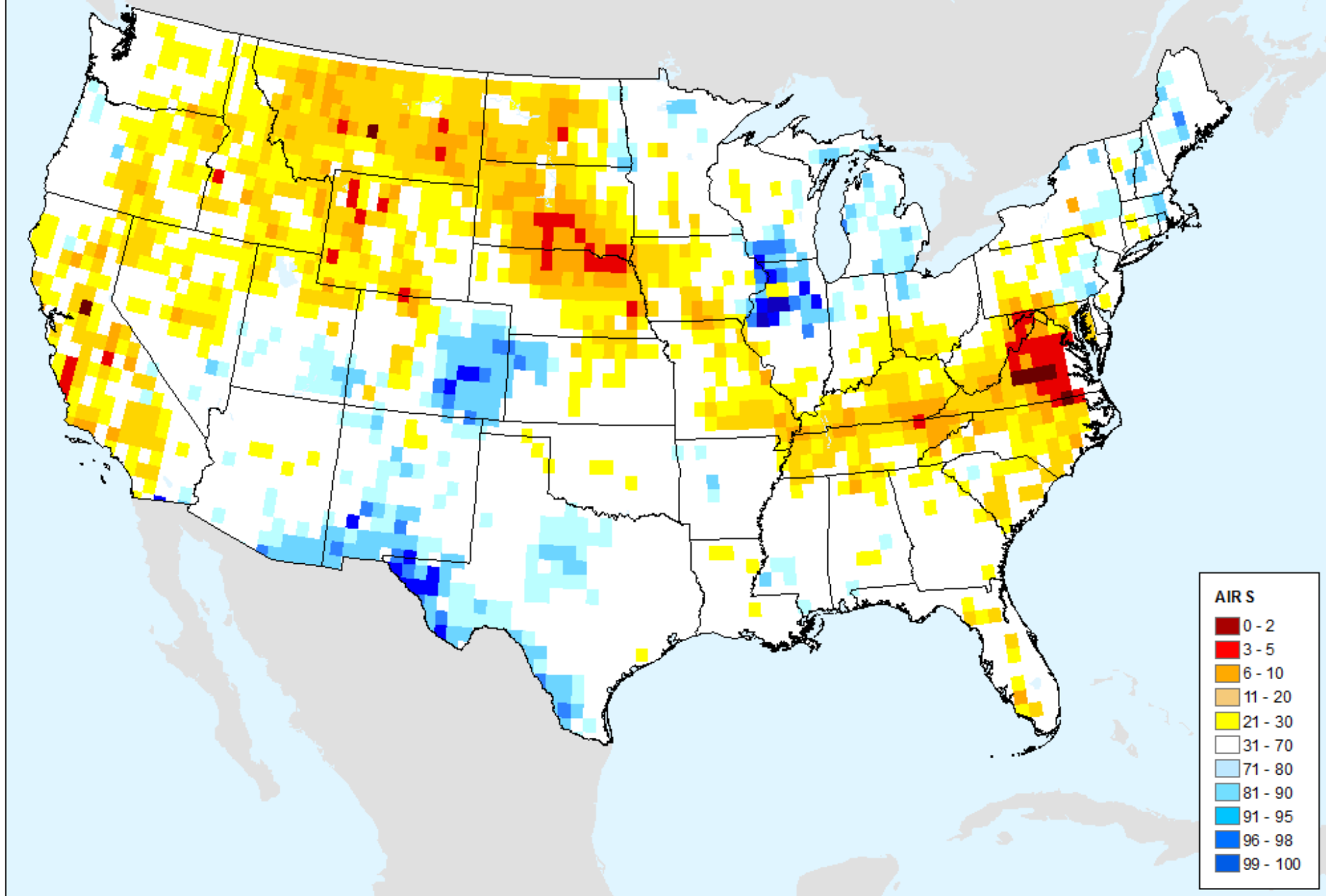
# AIRS-Based Surface Relative Humidity

As of: Tuesday, July 18, 2017



# AIRS-Based Surface Air Temperature

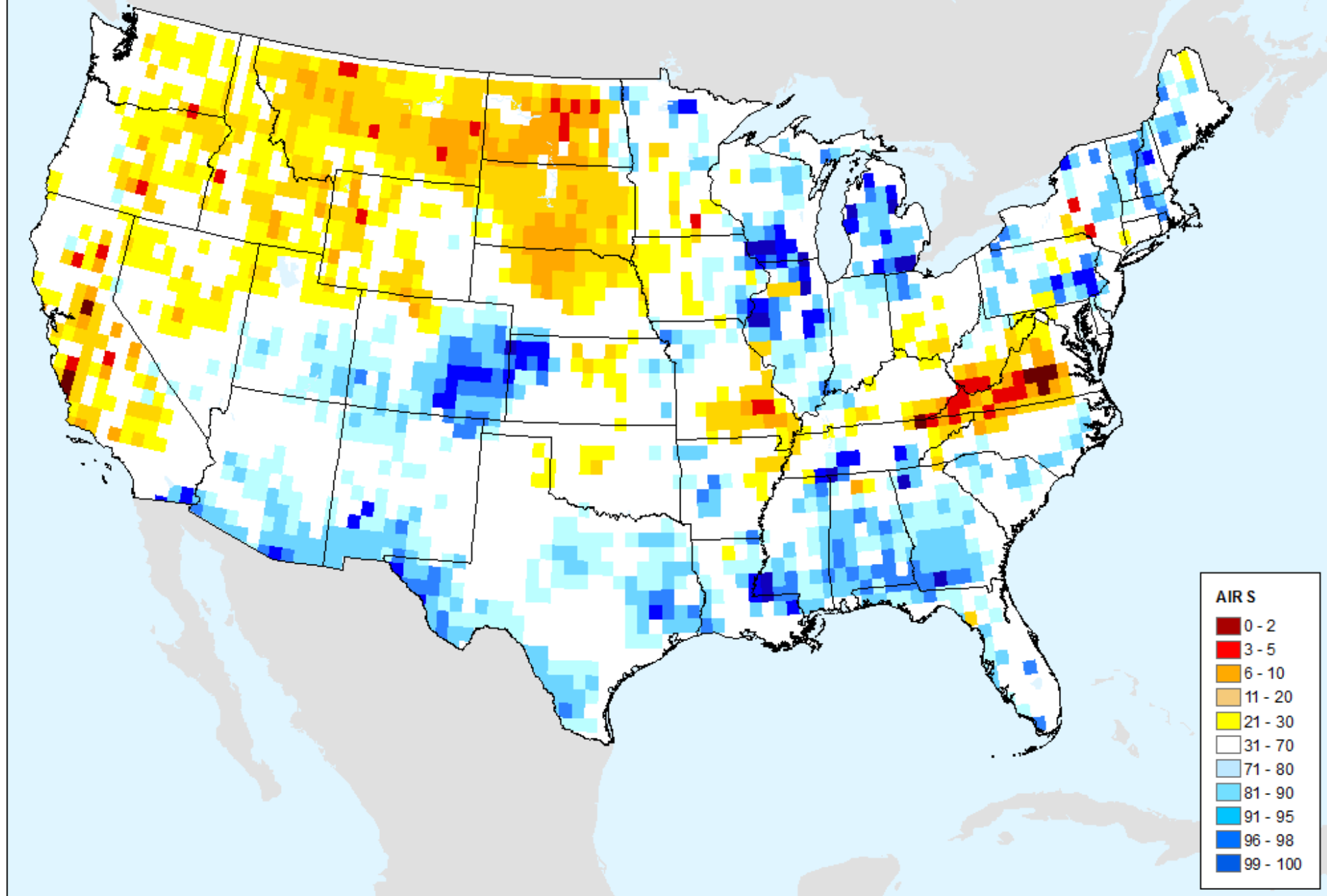
As of: Tuesday, July 18, 2017



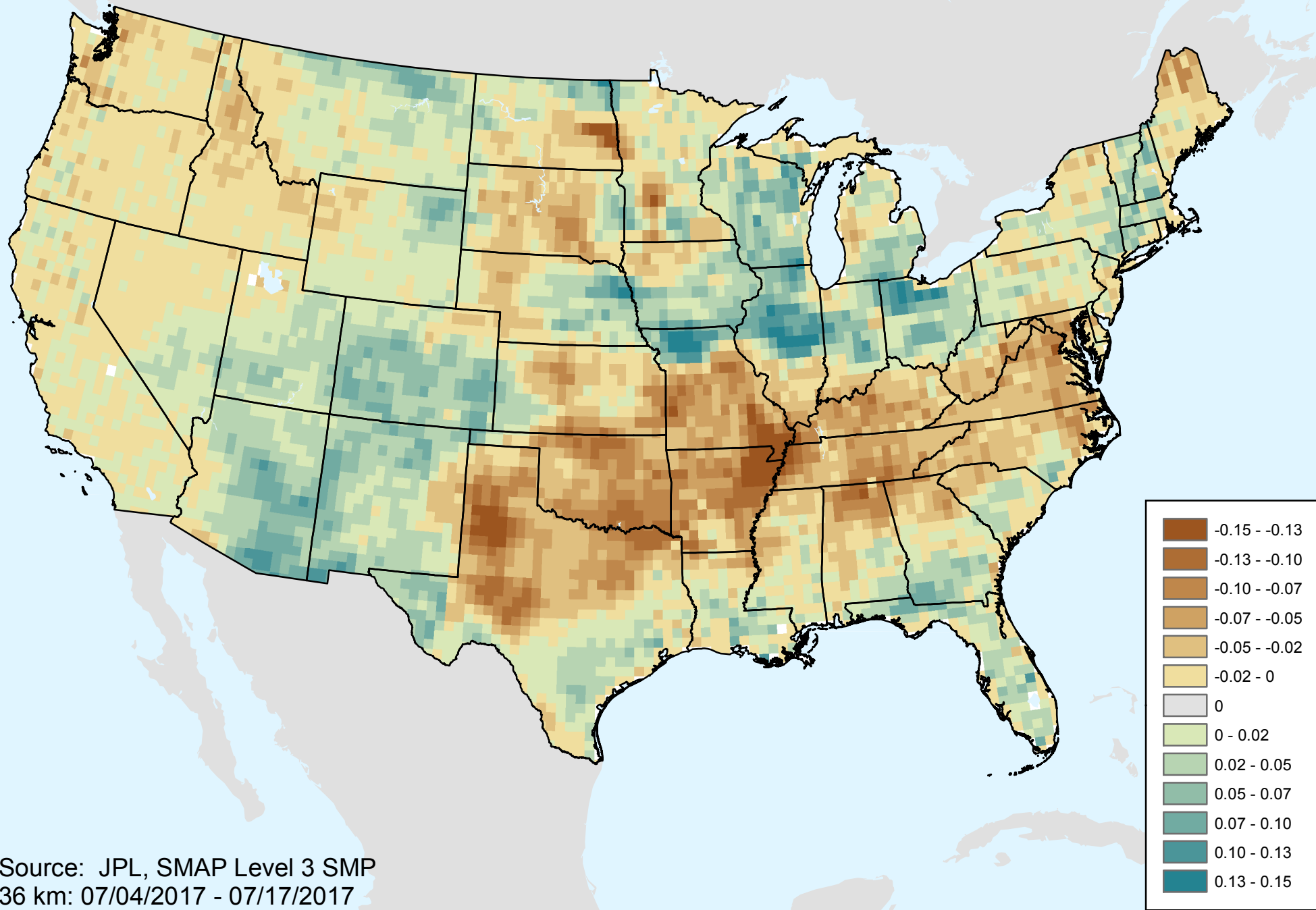


# AIRS-Based Vapor Pressure Deficit

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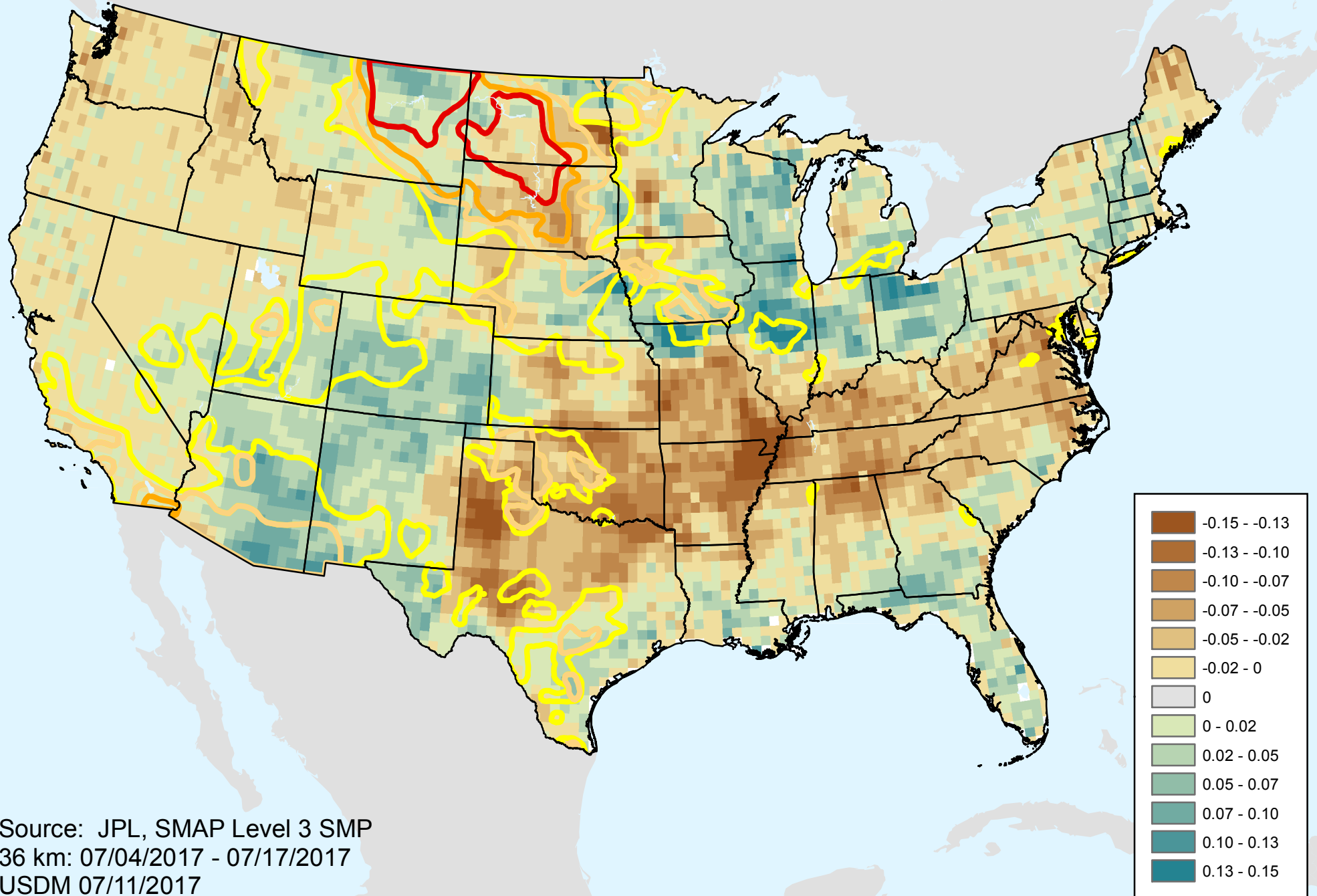


# SMAP 1-Week Change in Soil Moisture 0-5 cm



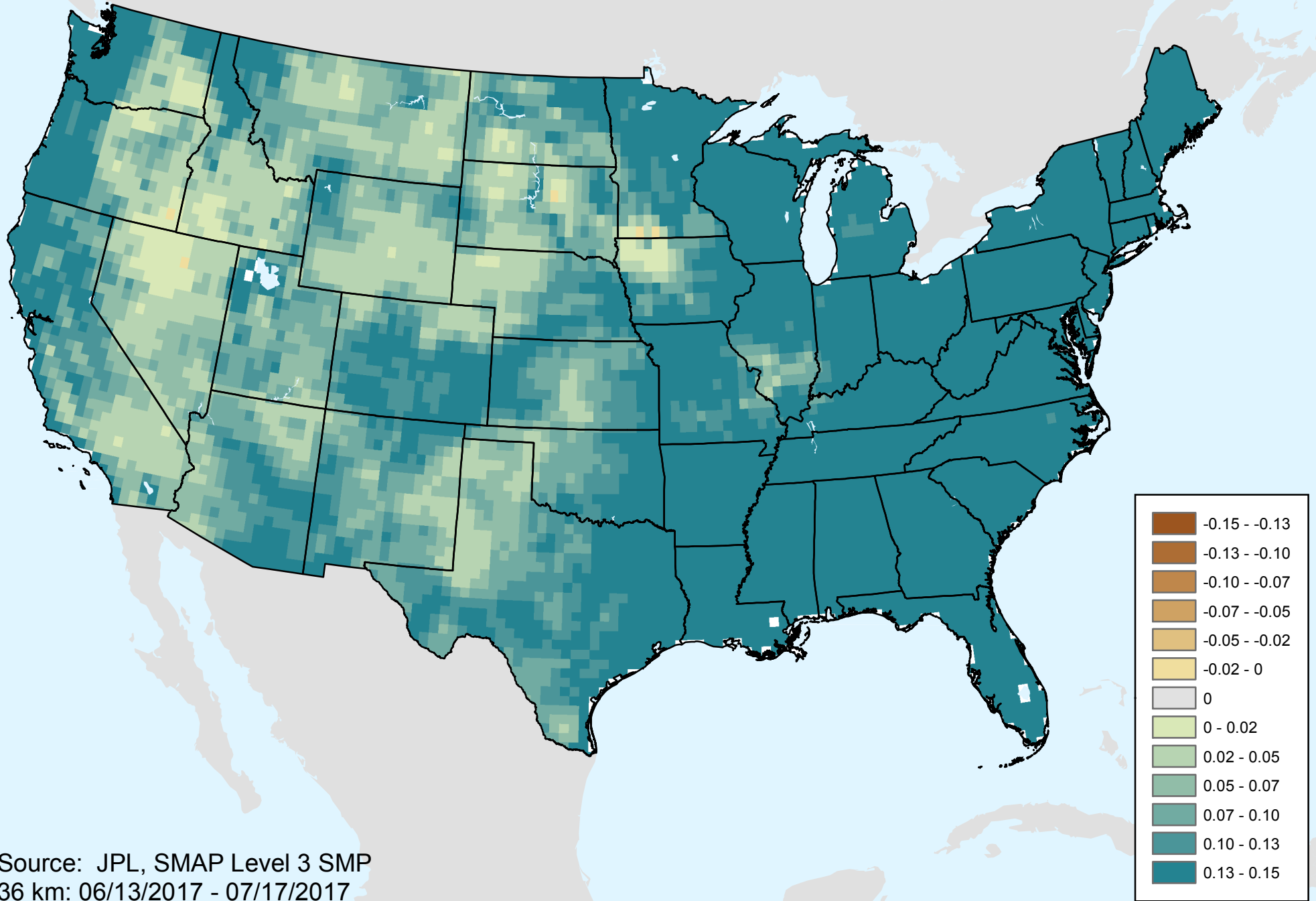
Source: JPL, SMAP Level 3 SMP  
36 km: 07/04/2017 - 07/17/2017

# SMAP 1-Week Change in Soil Moisture 0-5 cm



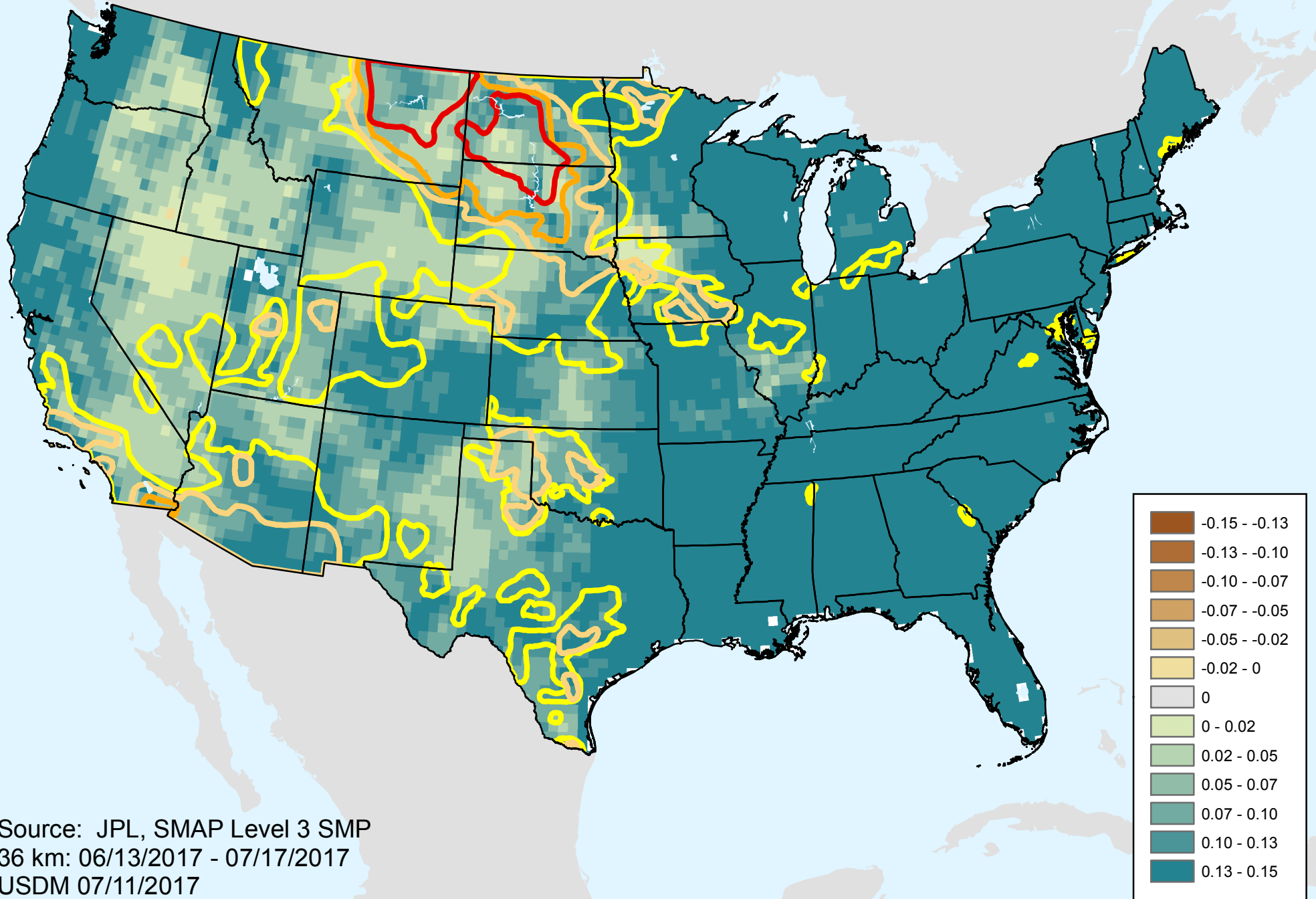
Source: JPL, SMAP Level 3 SMP  
36 km: 07/04/2017 - 07/17/2017  
USDM 07/11/2017

# SMAP 1-Month Change in Soil Moisture 0-5 cm

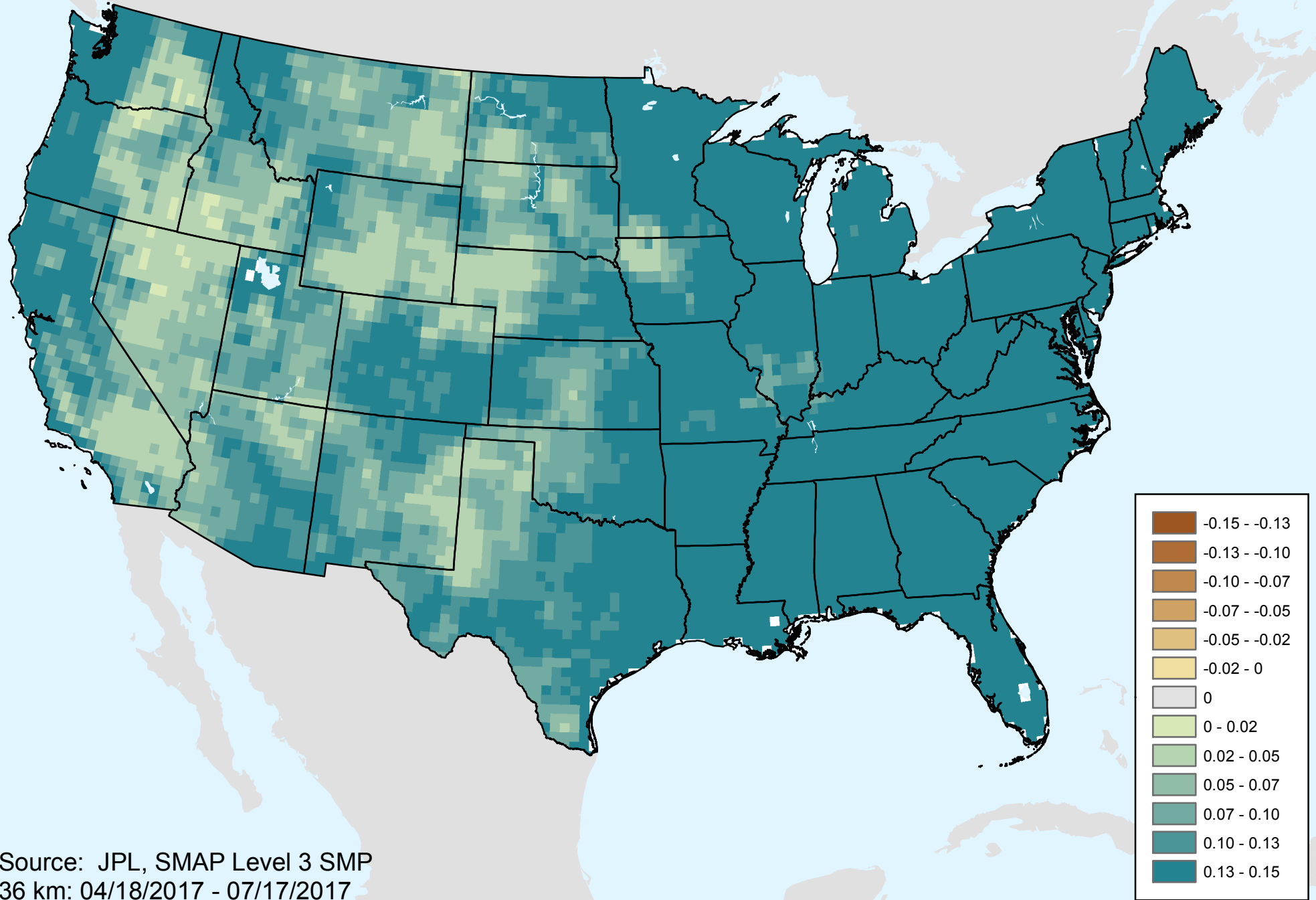


Source: JPL, SMAP Level 3 SMP  
36 km: 06/13/2017 - 07/17/2017

# SMAP 1-Month Change in Soil Moisture 0-5 cm



# SMAP 3-Month Change in Soil Moisture 0-5 cm



Source: JPL, SMAP Level 3 SMP  
36 km: 04/18/2017 - 07/17/2017

# SMAP 3-Month Change in Soil Moisture 0-5 cm

