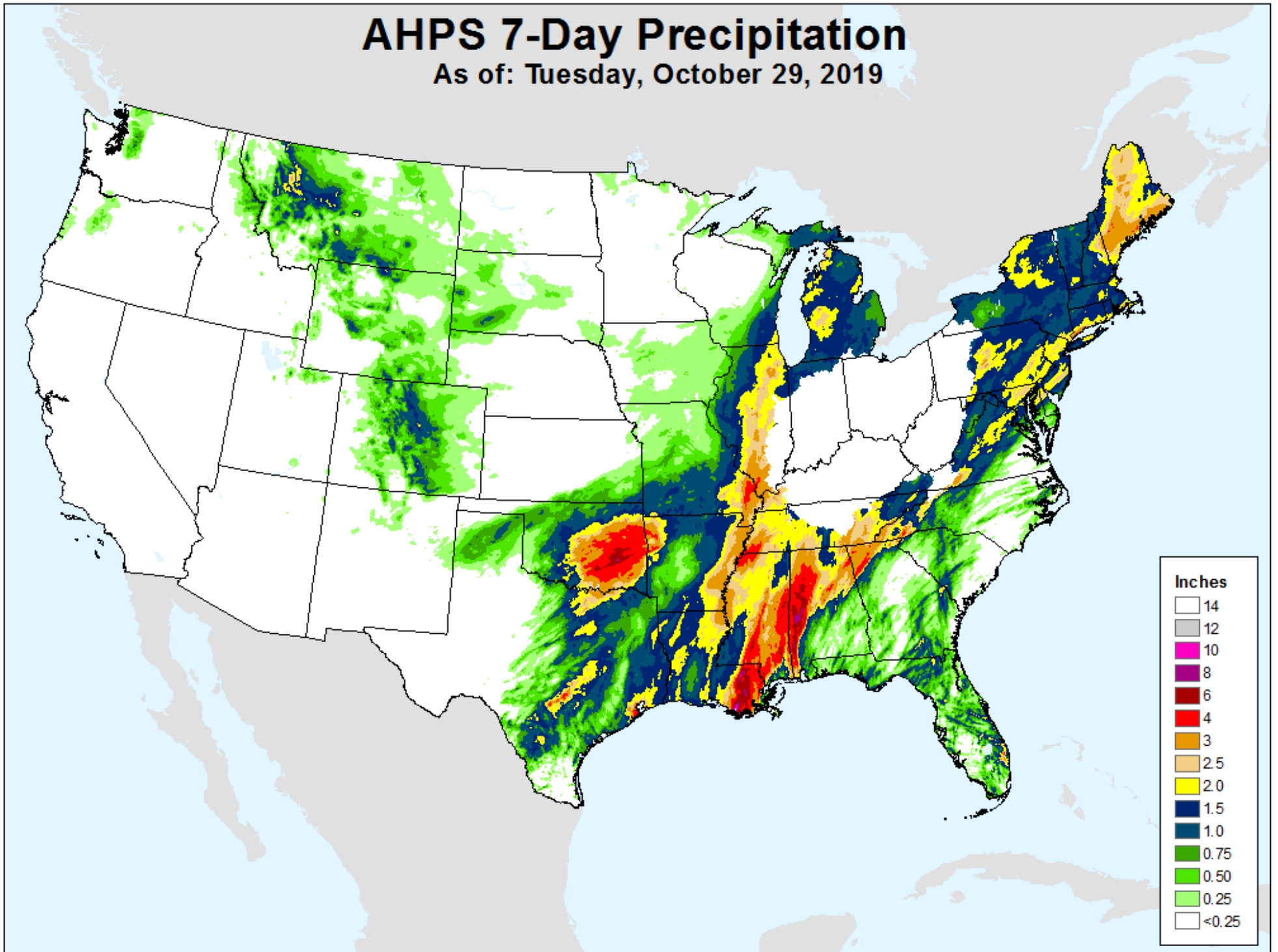


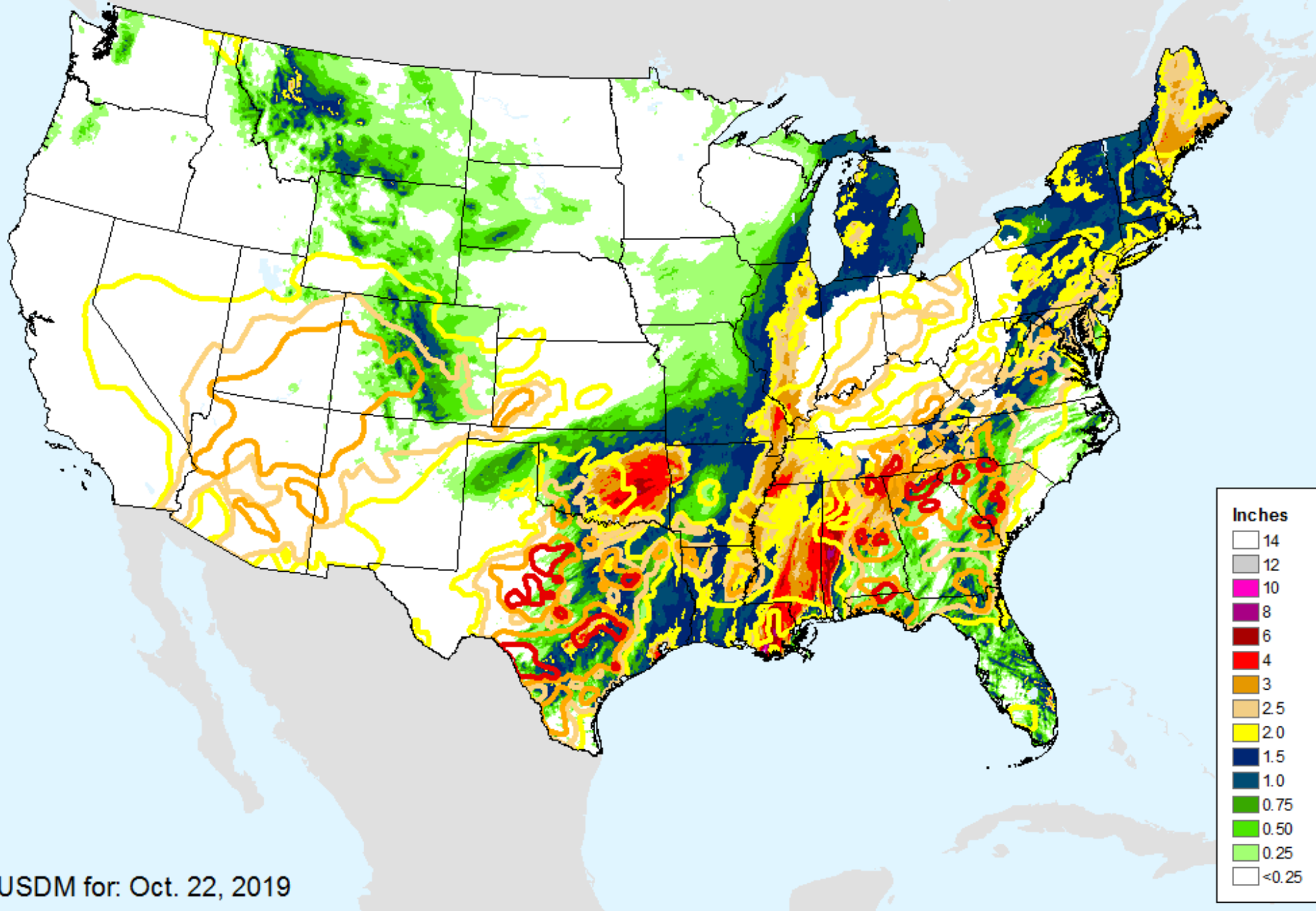
AHPS 7-Day Precipitation

As of: Tuesday, October 29, 2019



AHPS 7-Day Precipitation

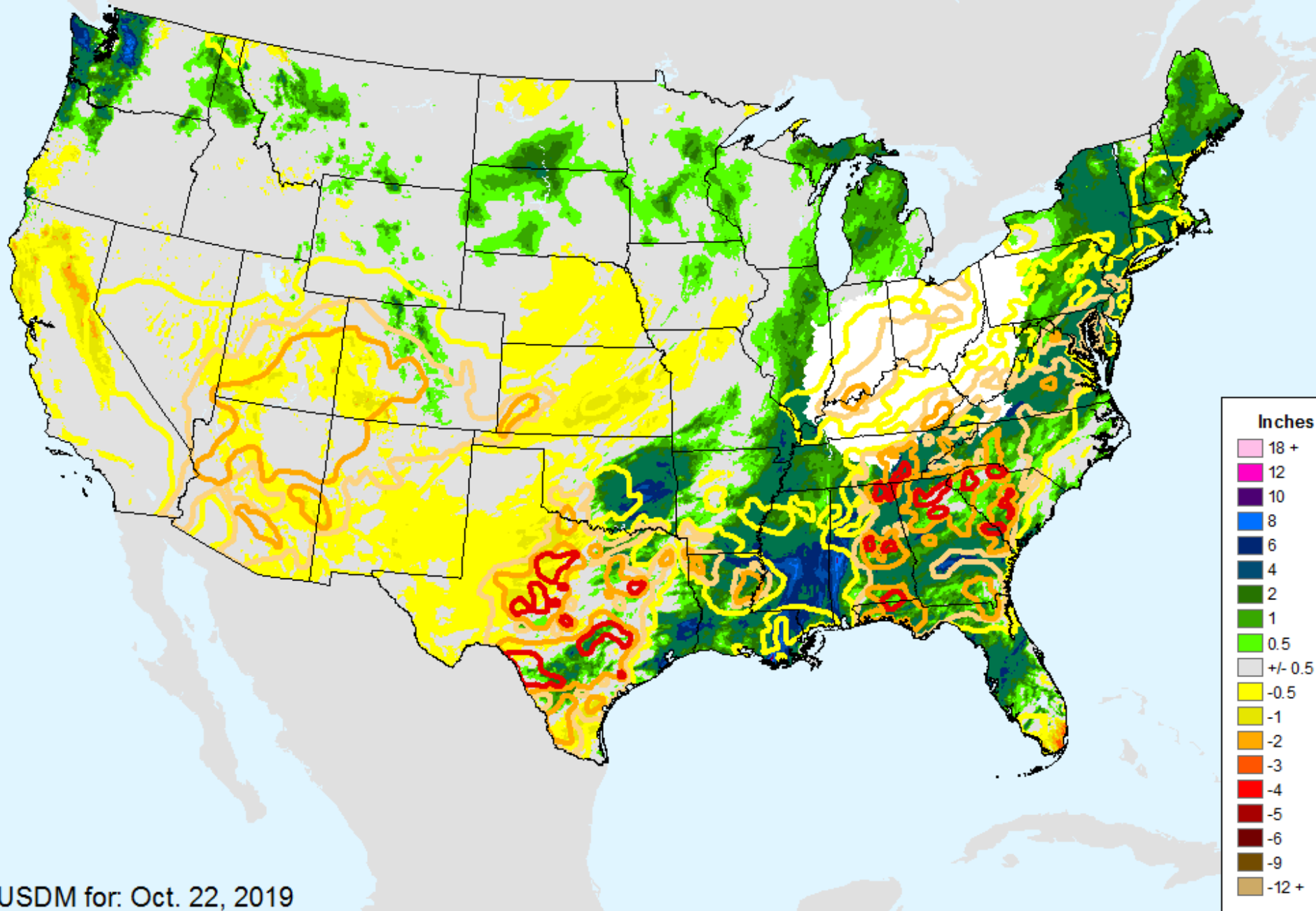
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

AHPS 14-Day Precip Departure

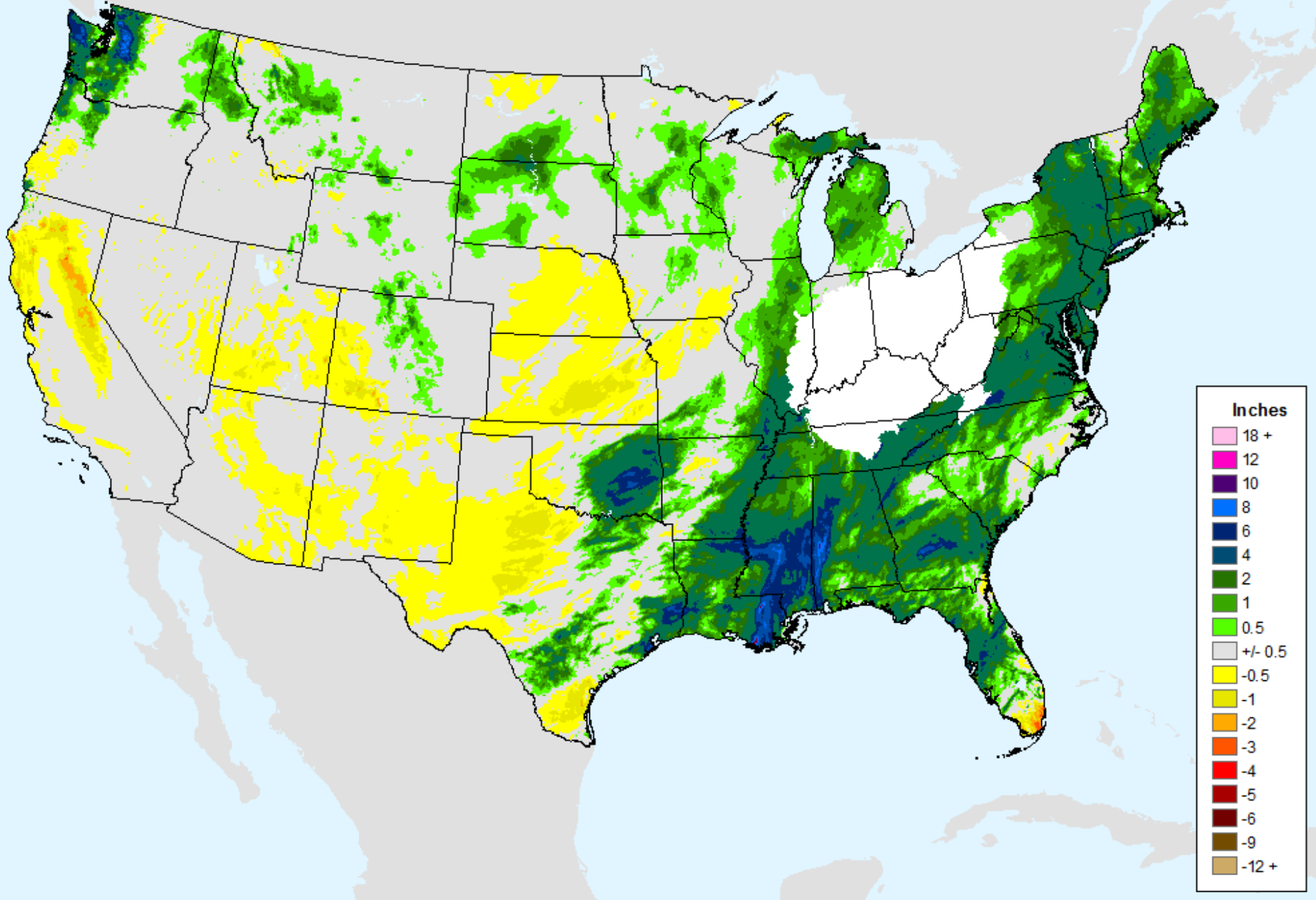
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

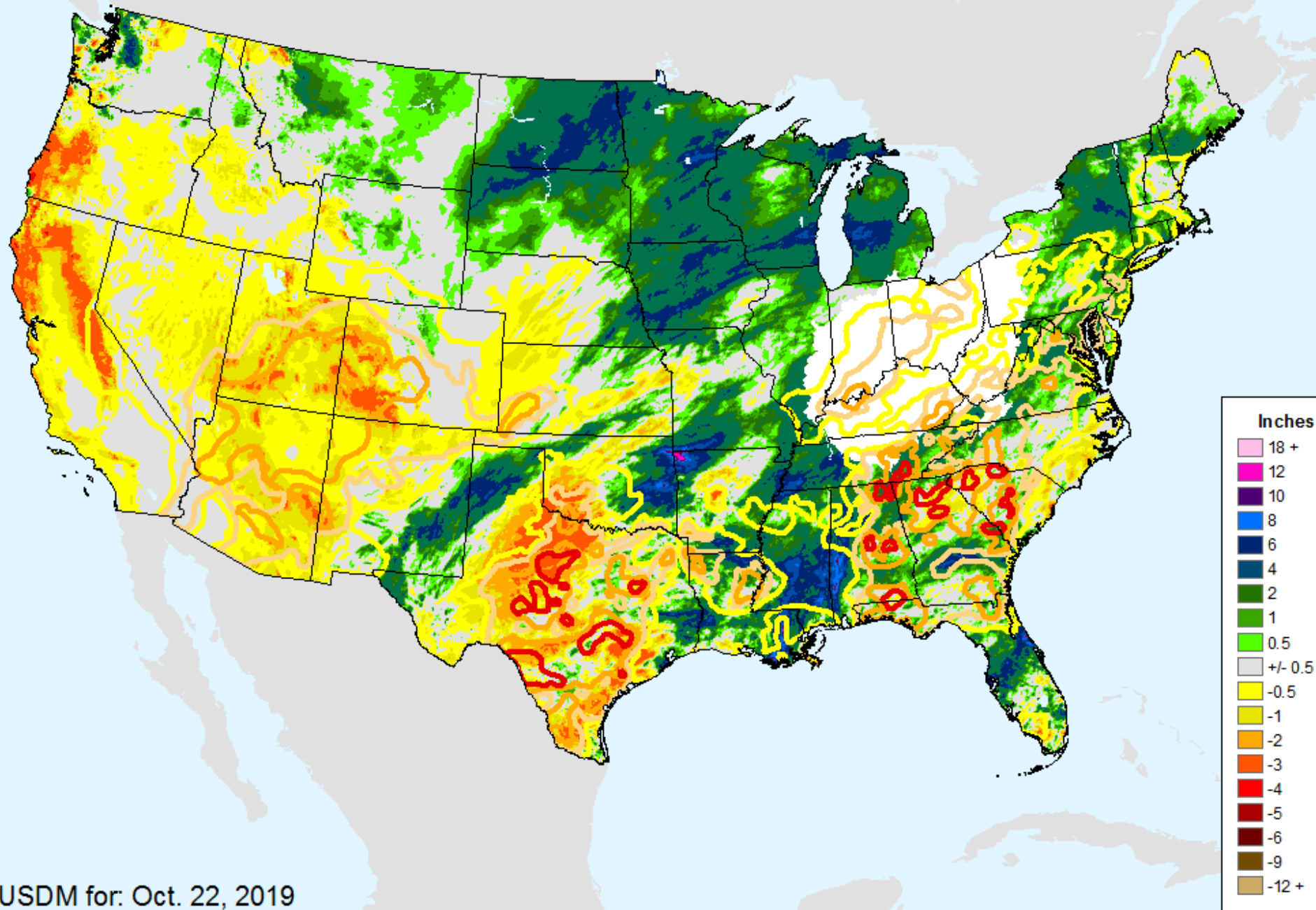
AHPS 14-Day Precip Departure

As of: Tuesday, October 29, 2019



AHPS 30-Day Precip Departure

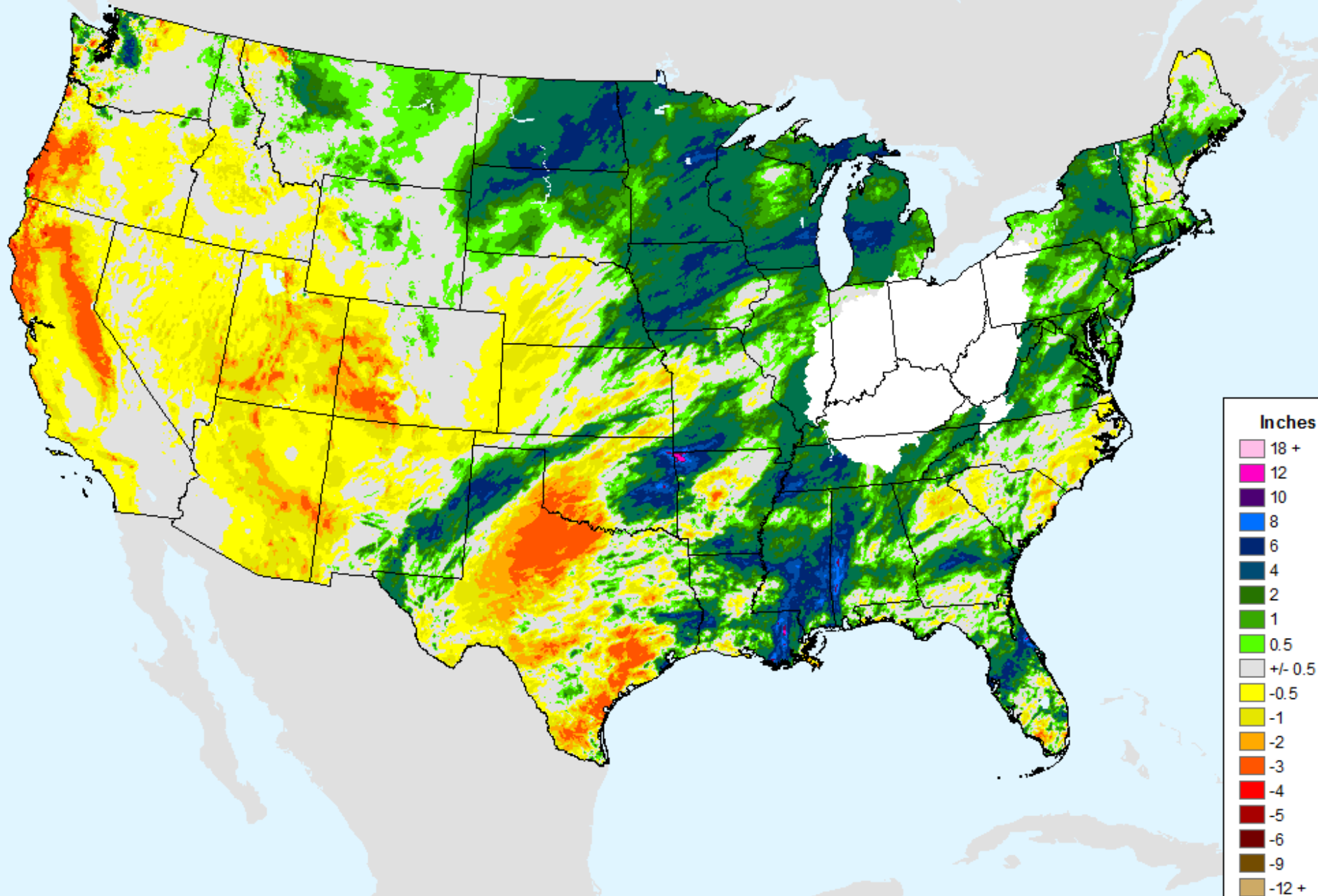
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

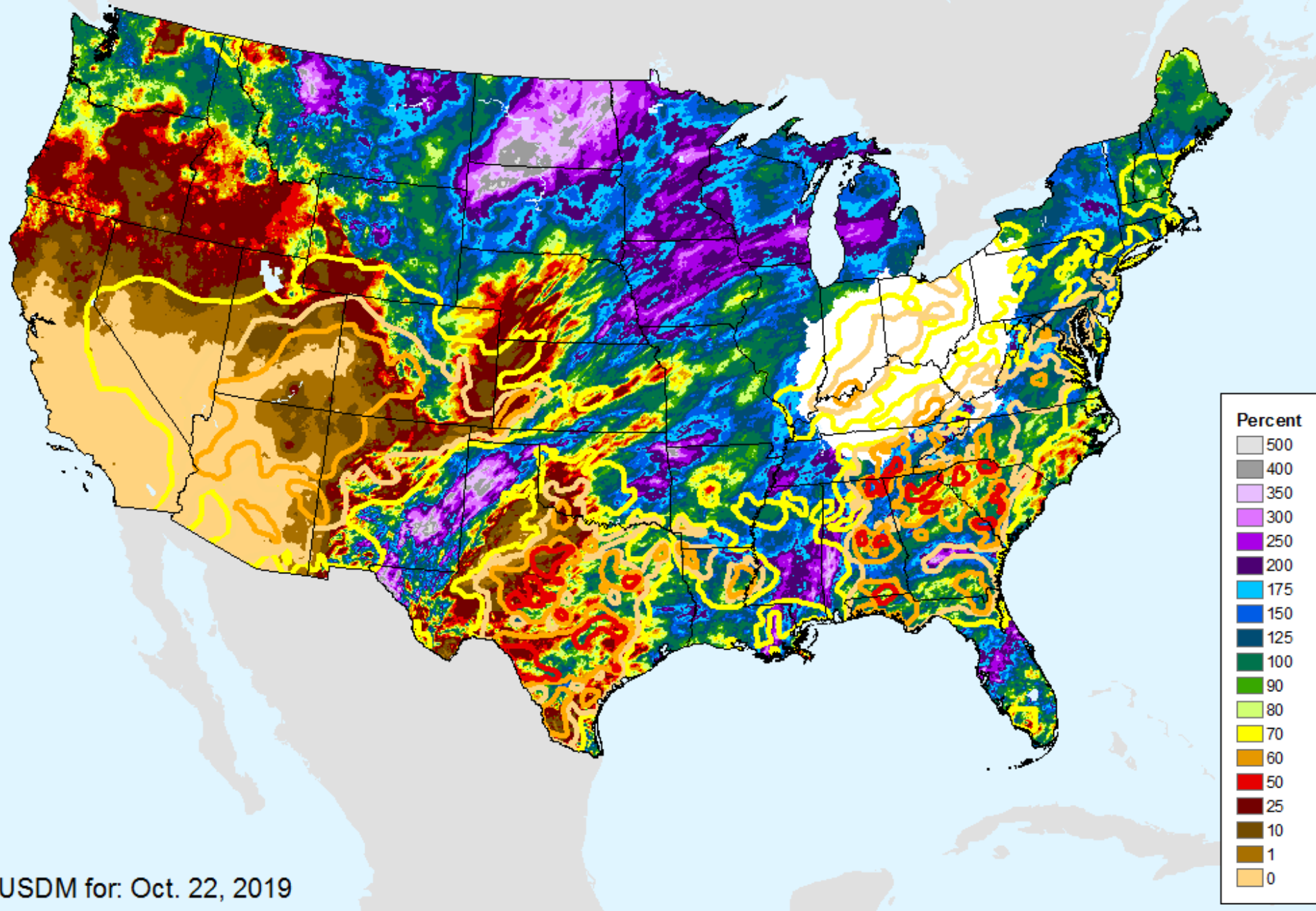
AHPS 30-Day Precip Departure

As of: Tuesday, October 29, 2019



AHPS 30-Day Pct of Normal Pcp

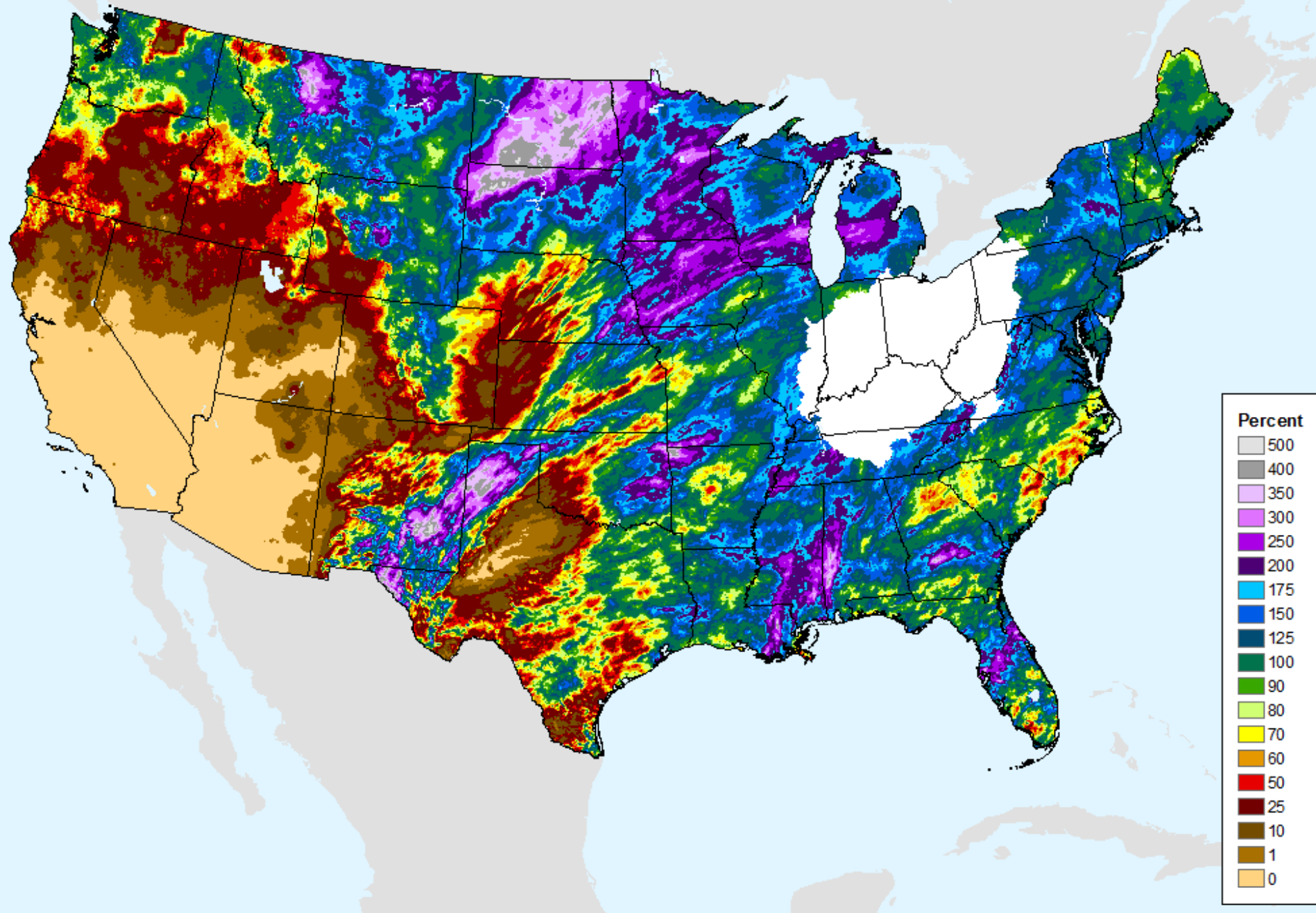
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

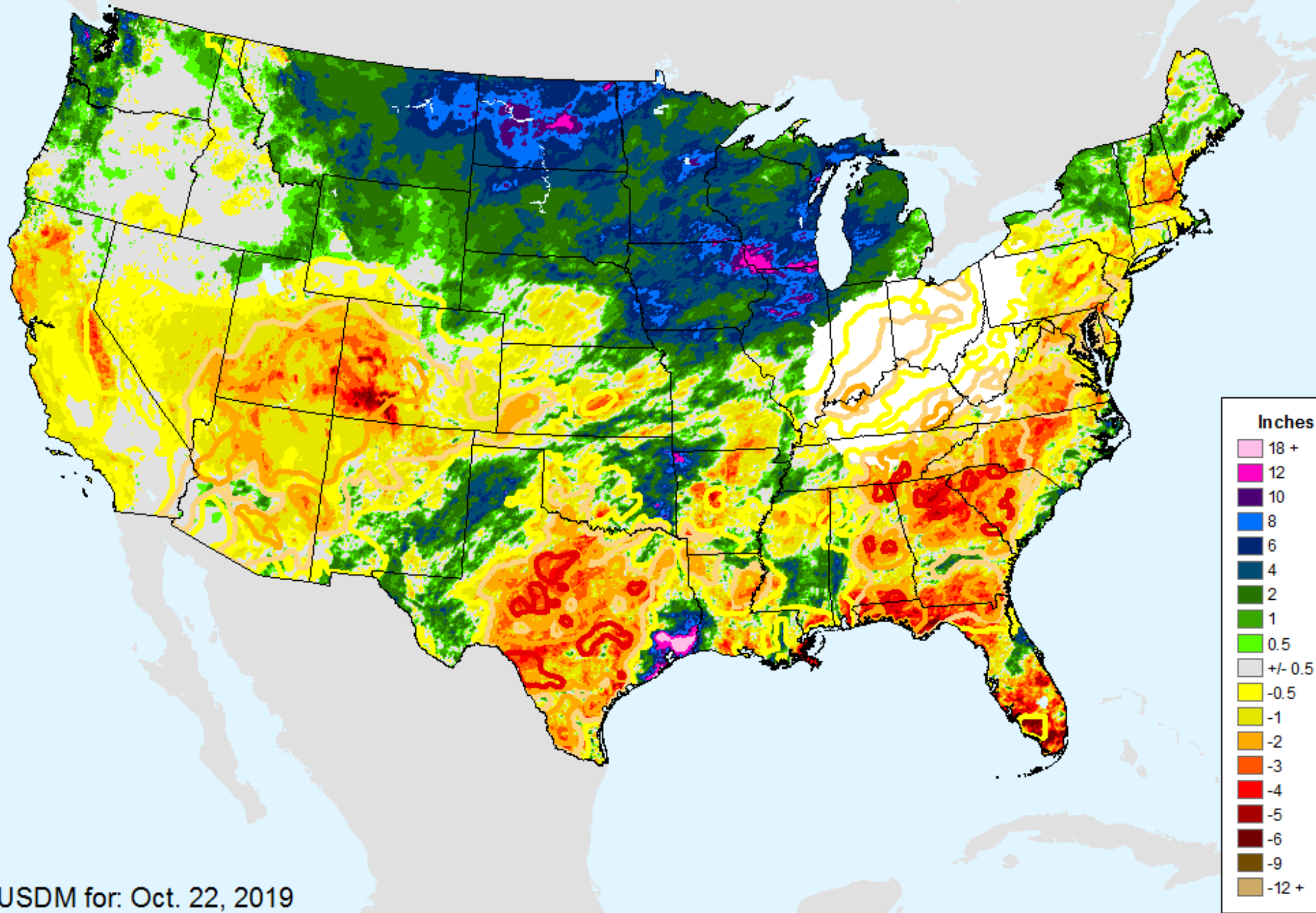
AHPS 30-Day Pct of Normal Pcp

As of: Tuesday, October 29, 2019



AHPS 60-Day Precip Departure

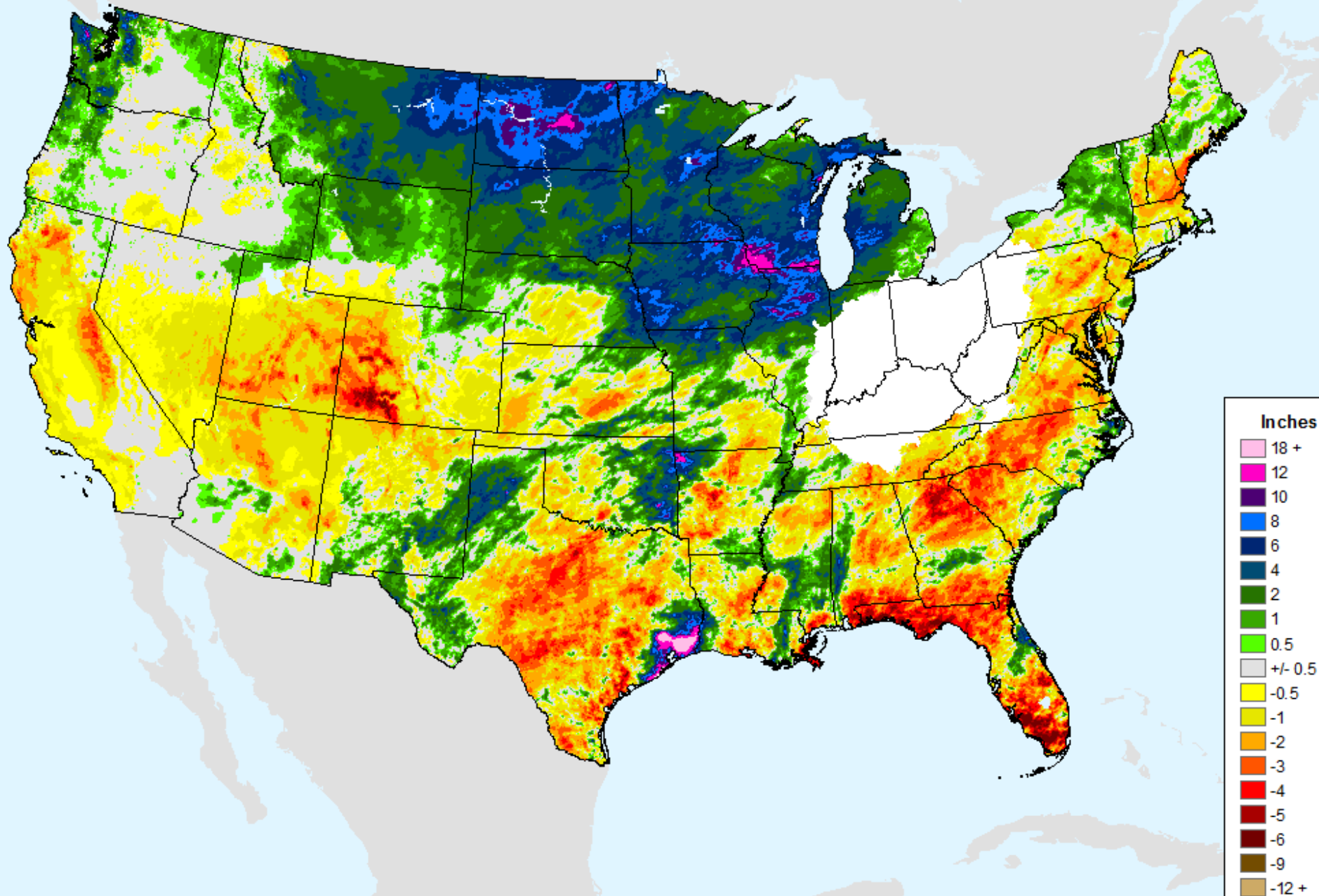
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

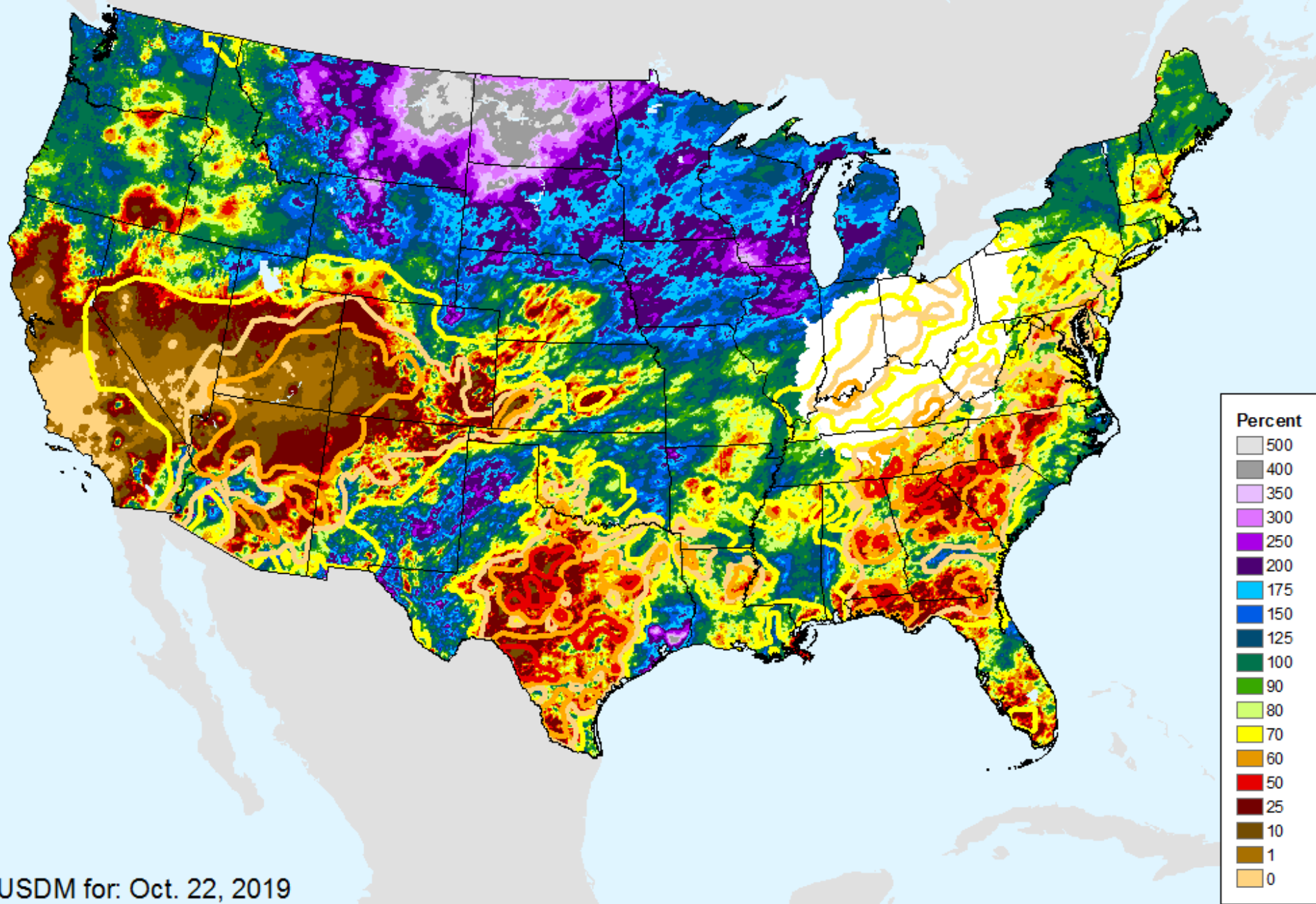
AHPS 60-Day Precip Departure

As of: Tuesday, October 29, 2019



AHPS 60-Day Pct of Normal Pcp

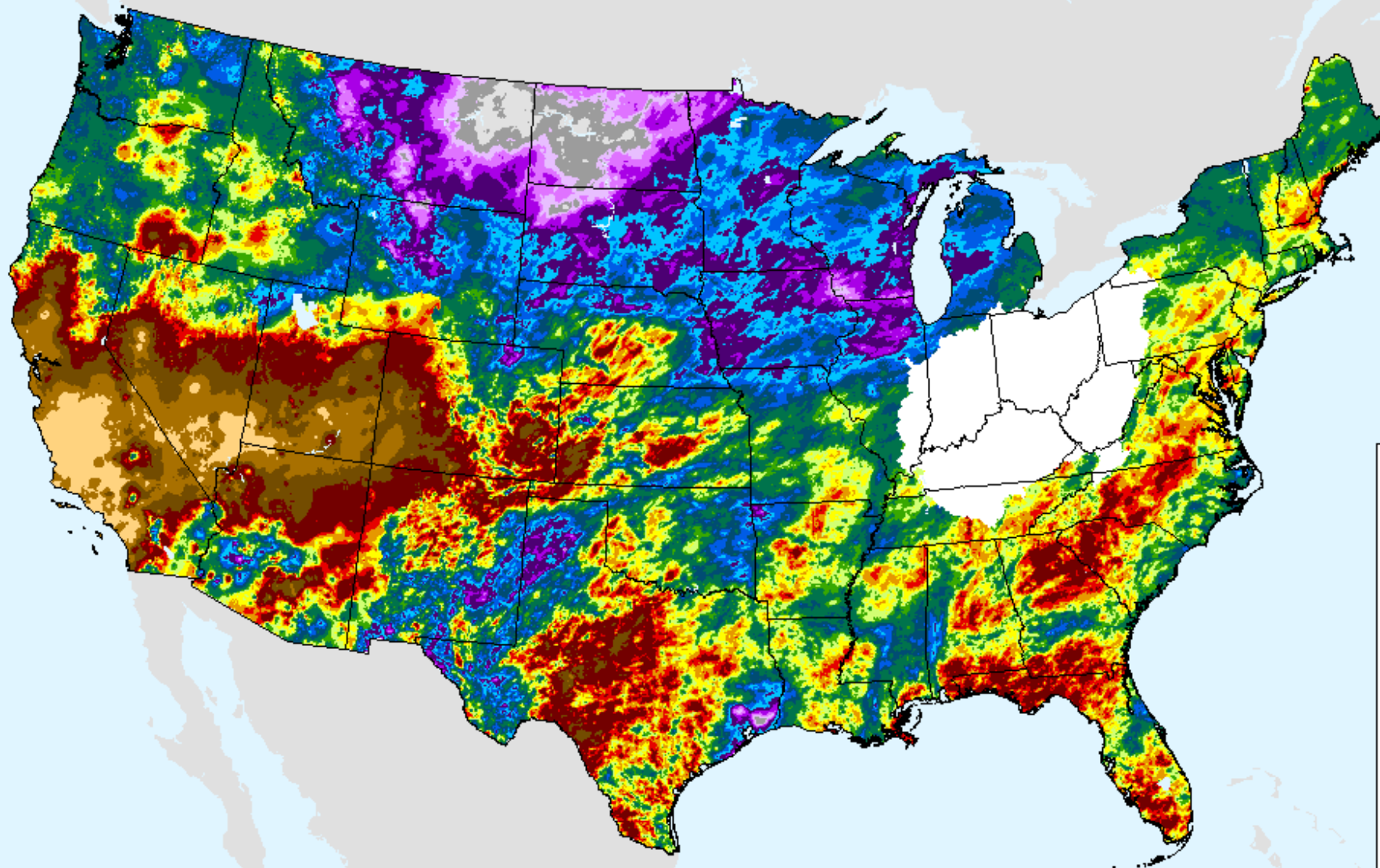
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

AHPS 60-Day Pct of Normal Pcp

As of: Tuesday, October 29, 2019

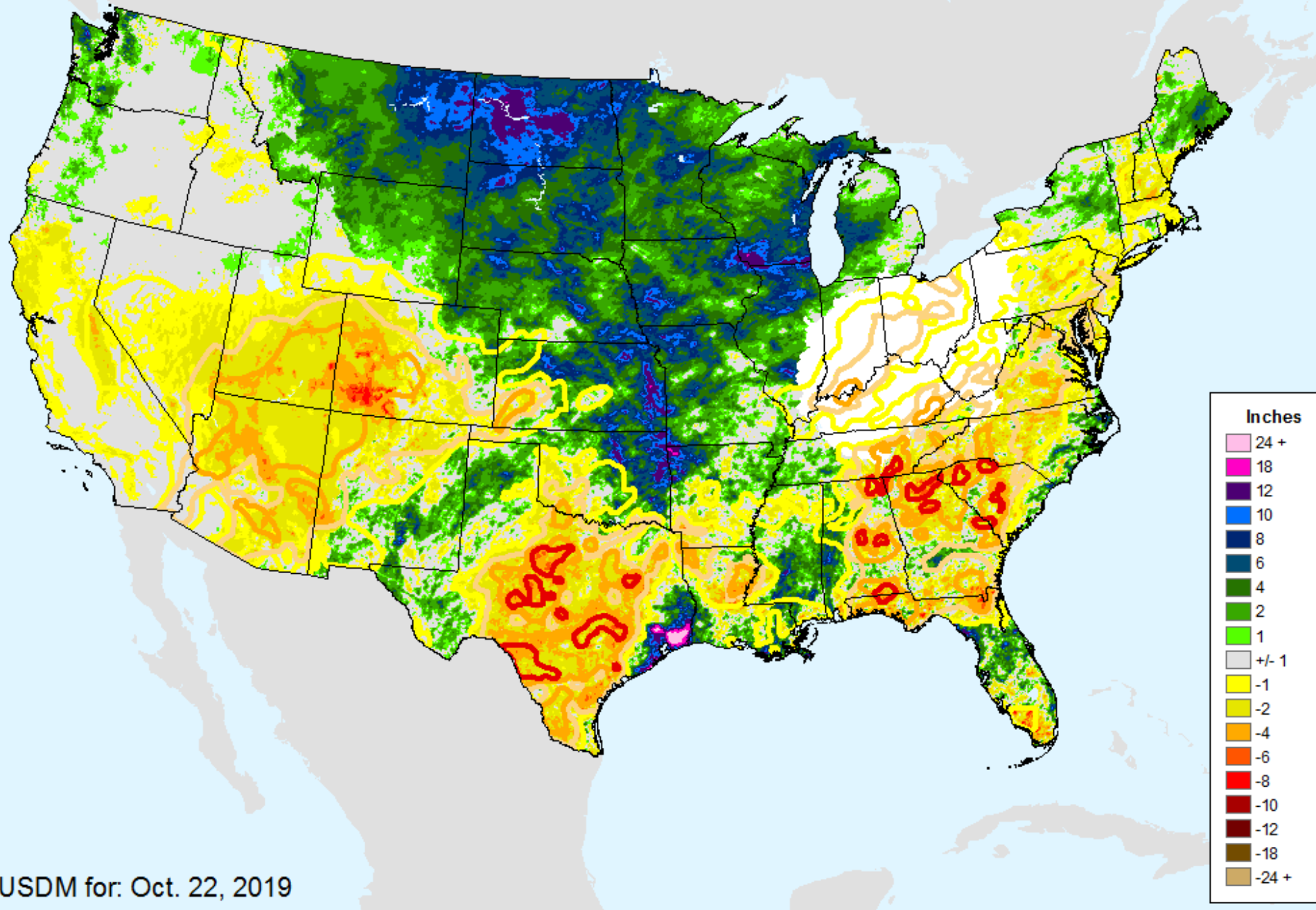


Percent

- 500
- 400
- 350
- 300
- 250
- 200
- 175
- 150
- 125
- 100
- 90
- 80
- 70
- 60
- 50
- 25
- 10
- 1
- 0

AHPS 90-Day Precip Departure

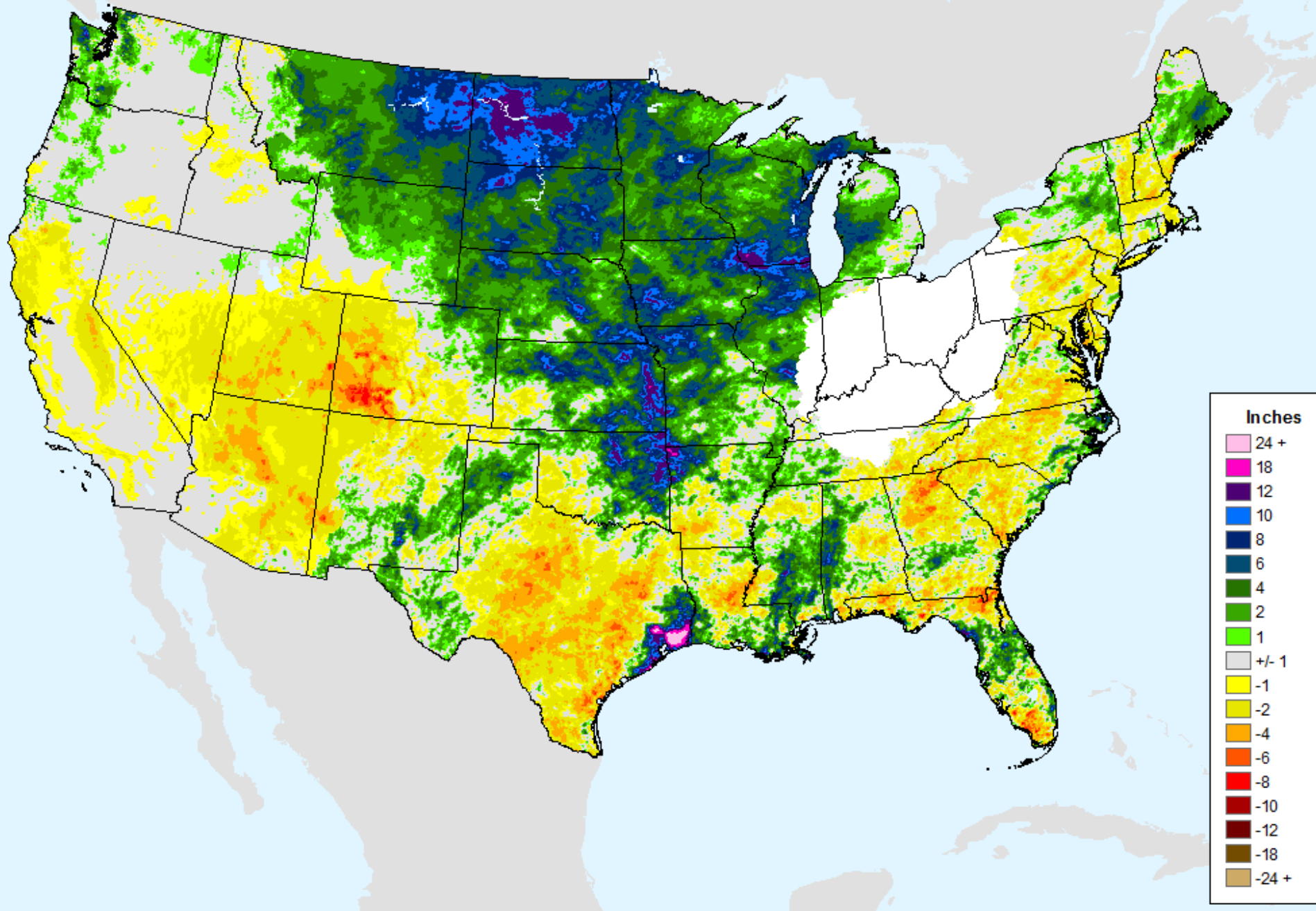
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

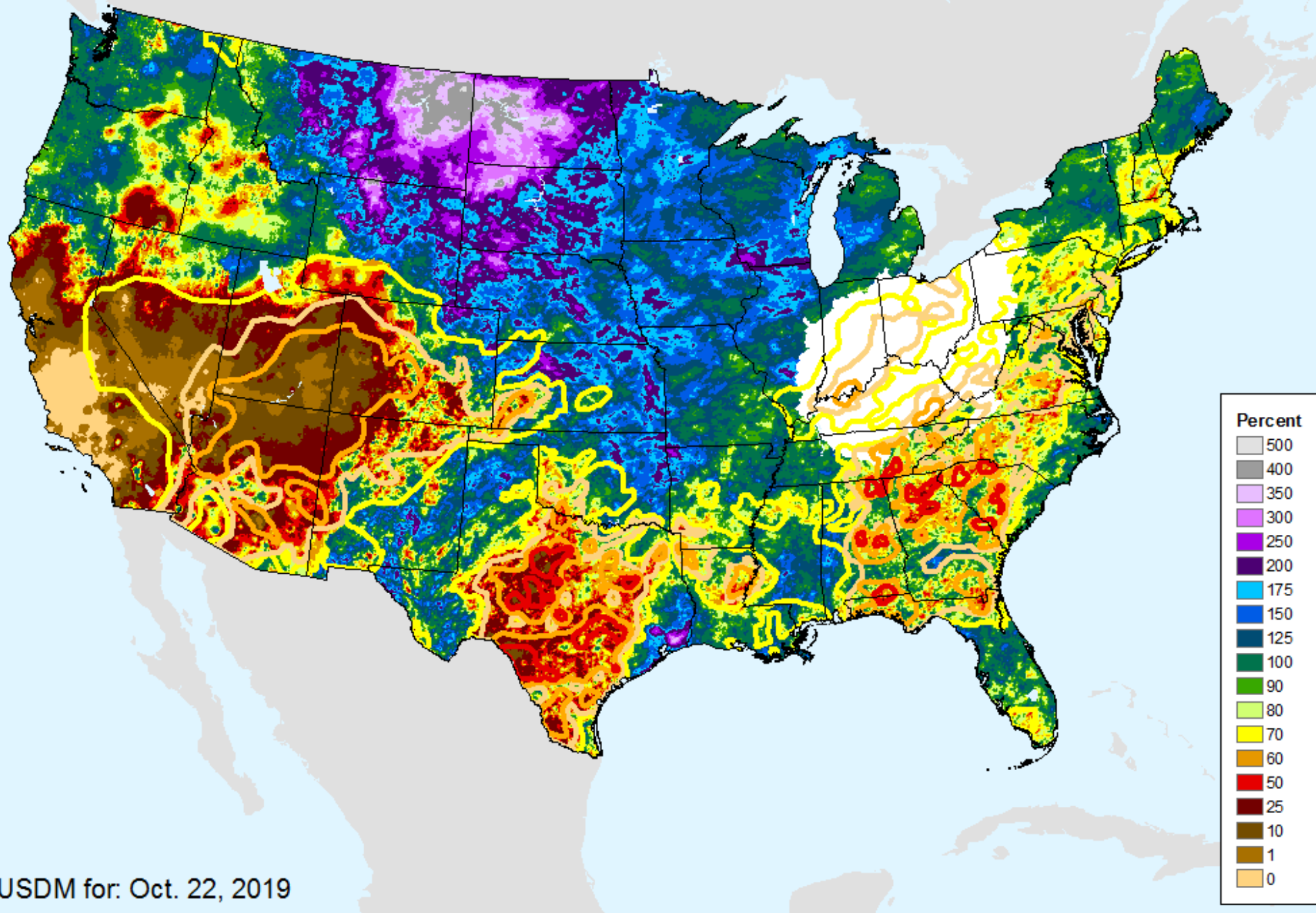
AHPS 90-Day Precip Departure

As of: Tuesday, October 29, 2019



AHPS 90-Day Pct of Normal Pcp

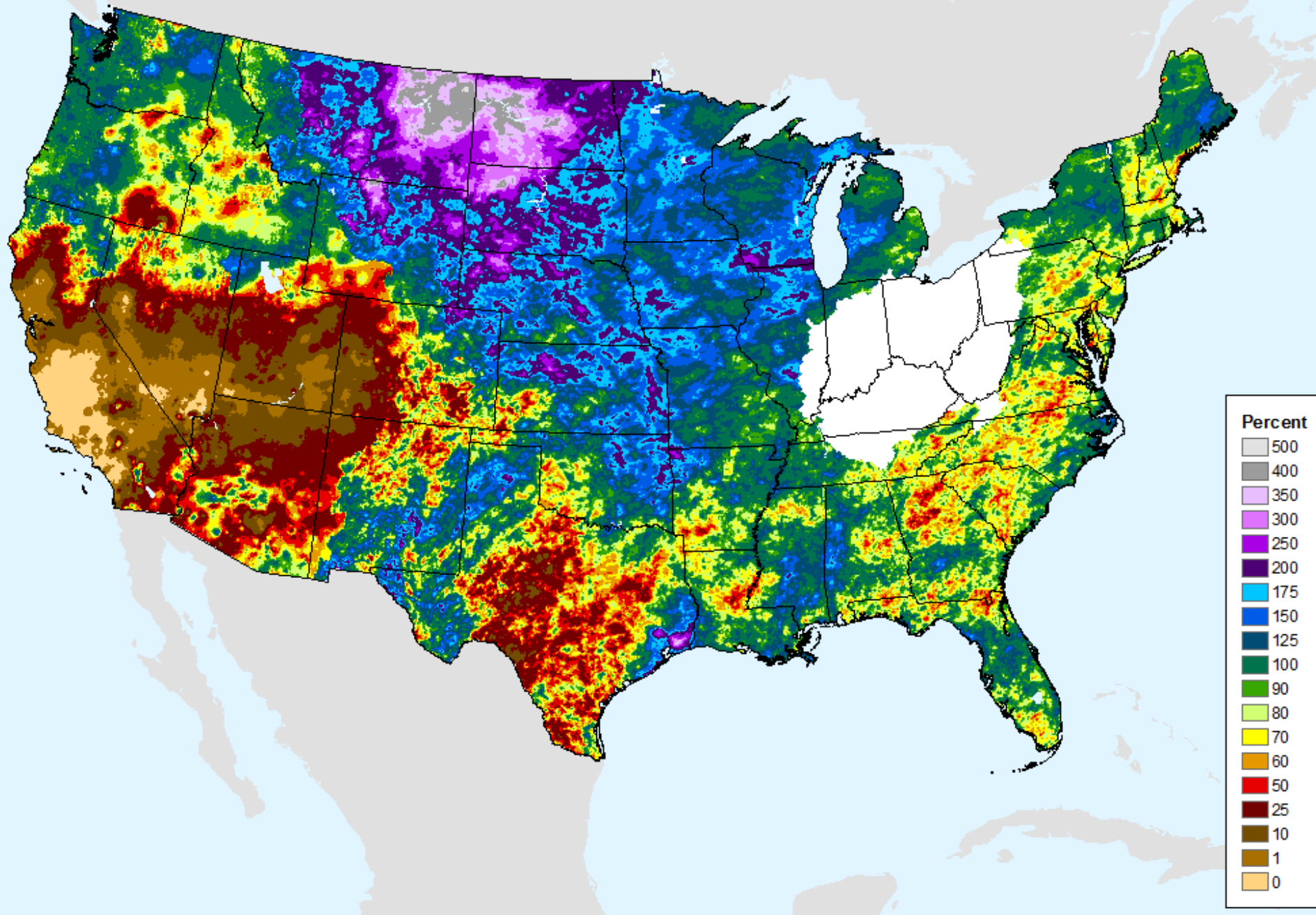
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

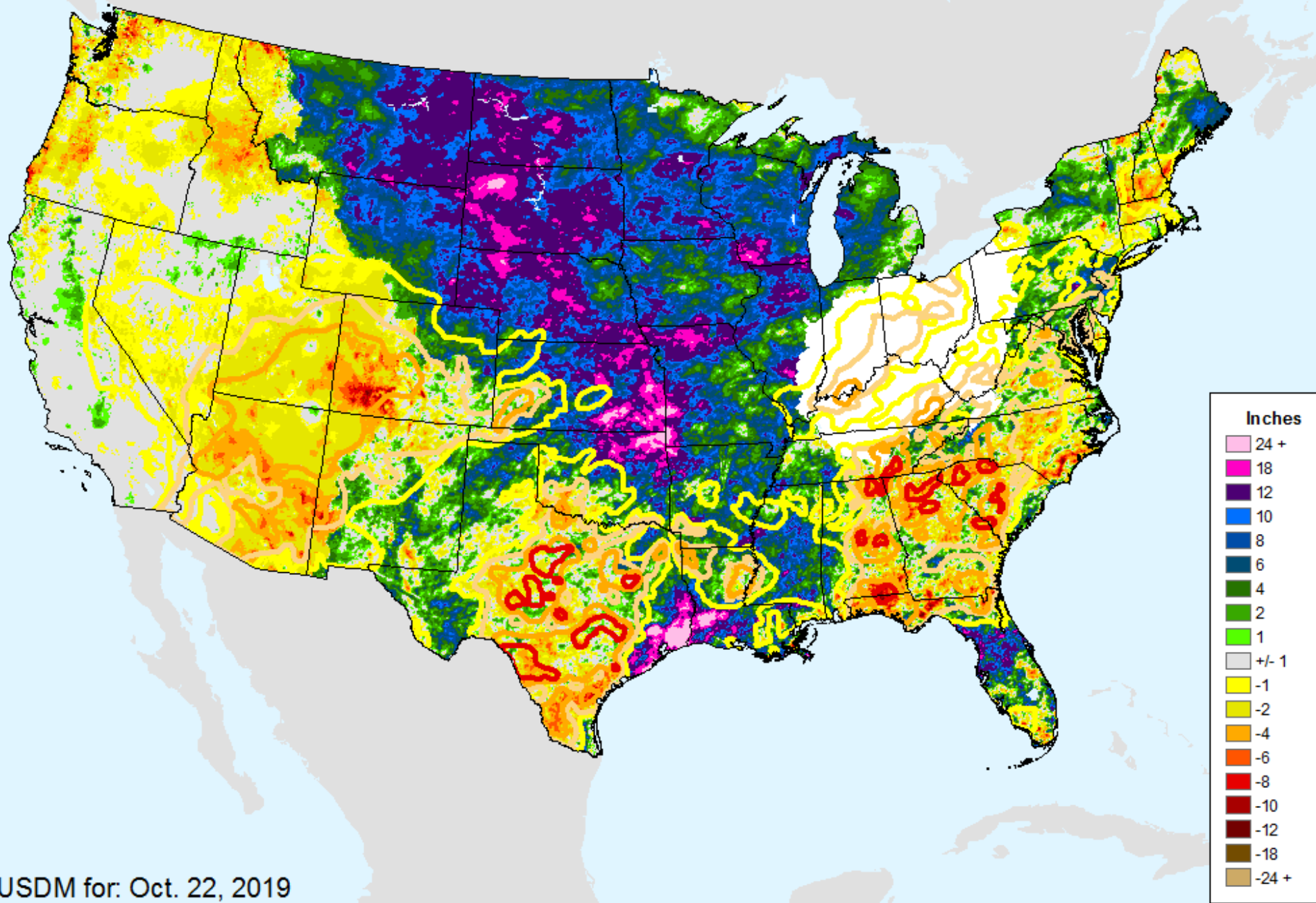
AHPS 90-Day Pct of Normal Pcp

As of: Tuesday, October 29, 2019



AHPS 180-Day Precip Departure

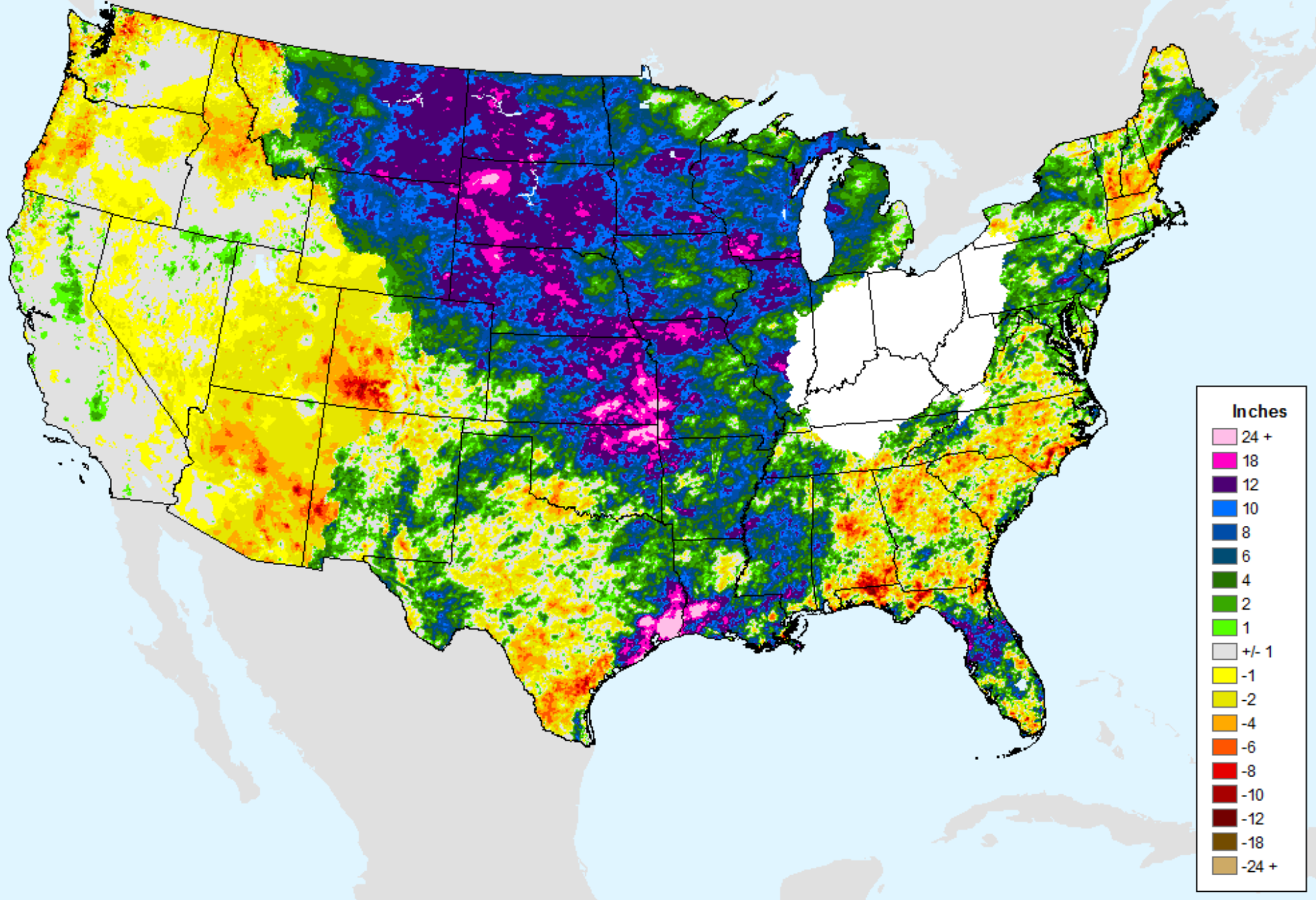
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

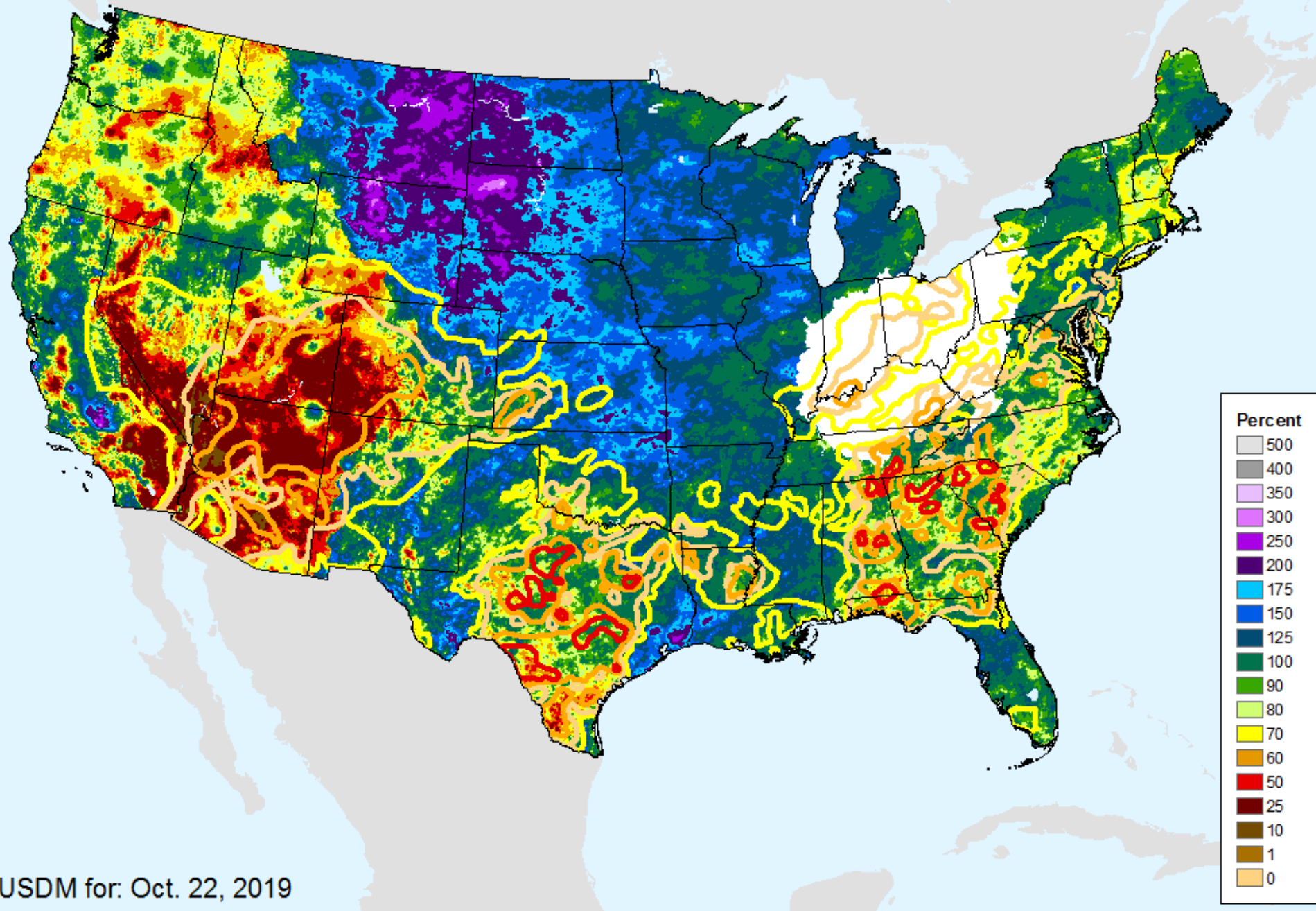
AHPS 180-Day Precip Departure

As of: Tuesday, October 29, 2019



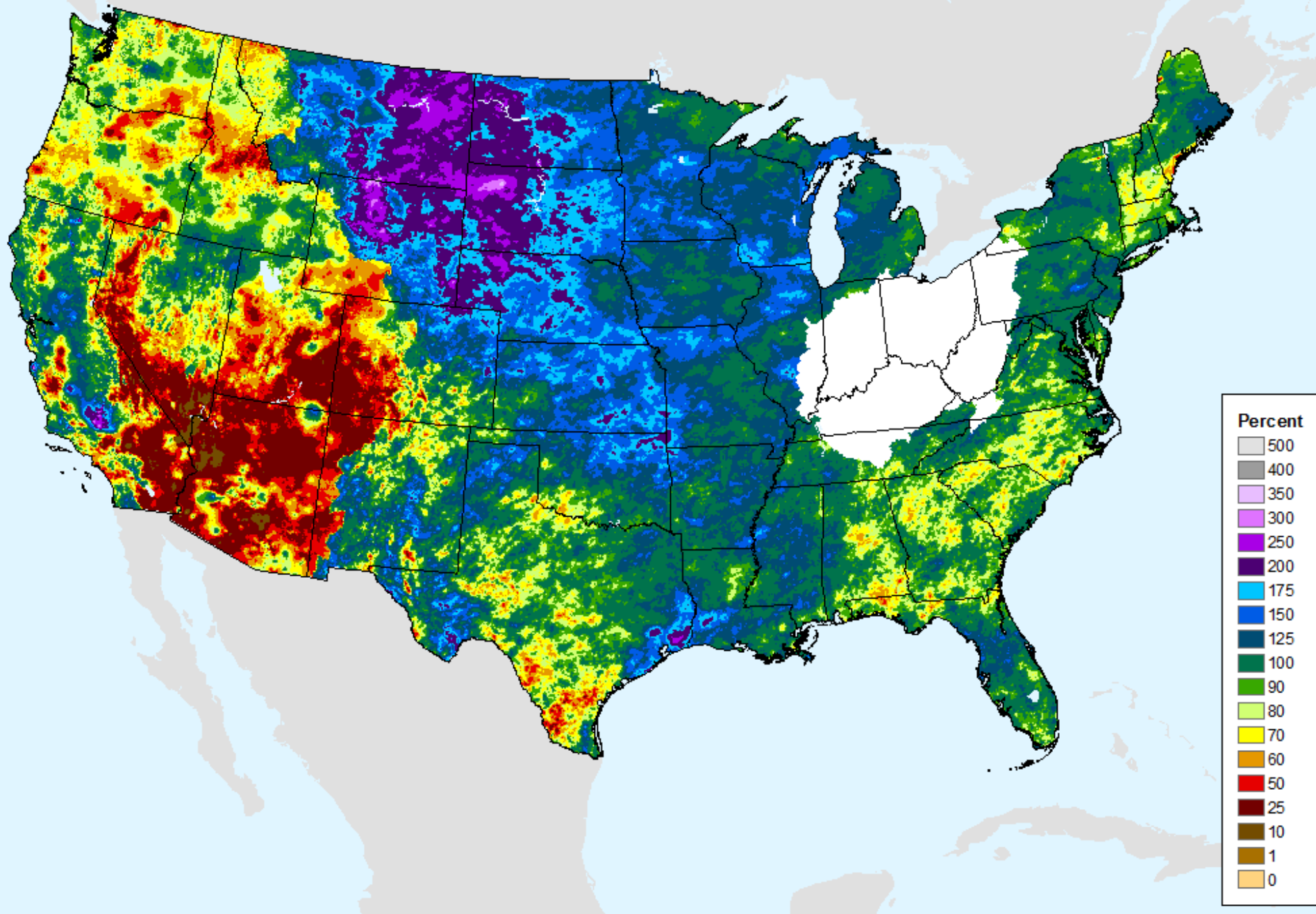
AHPS 180-Day Pct of Normal Pcp

As of: Tuesday, October 29, 2019



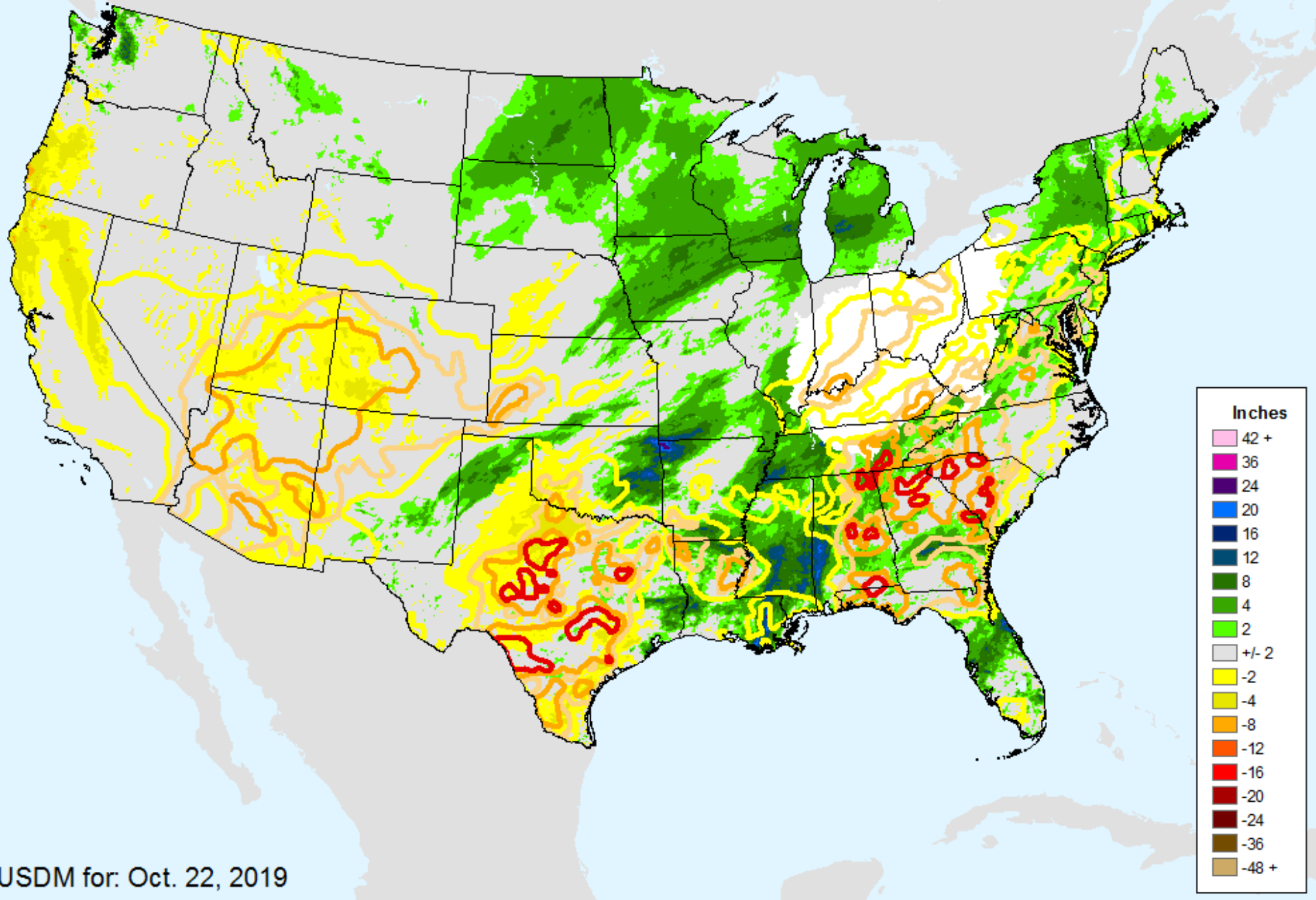
AHPS 180-Day Pct of Normal Pcp

As of: Tuesday, October 29, 2019



AHPS Water-Year Precip Departure

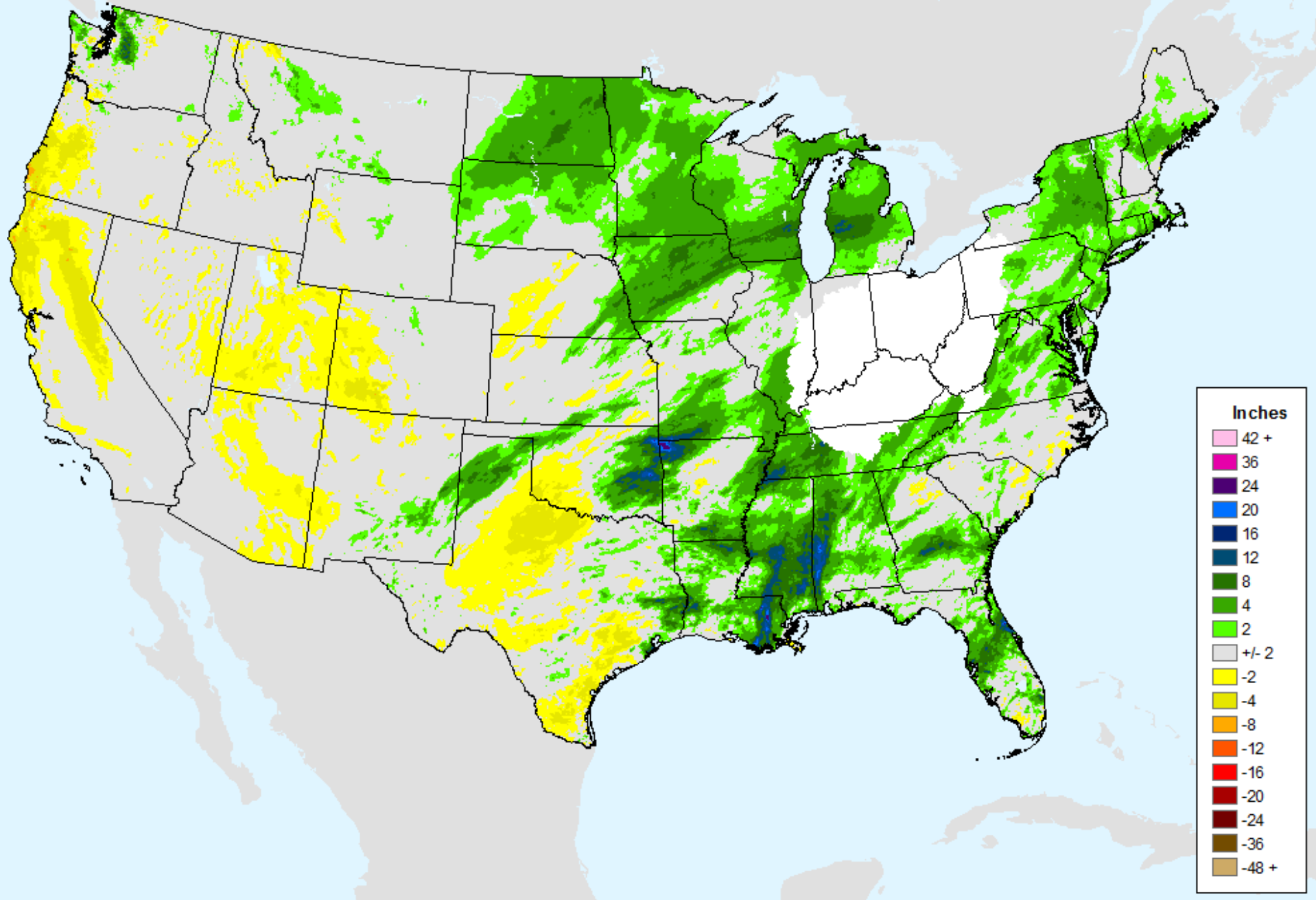
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

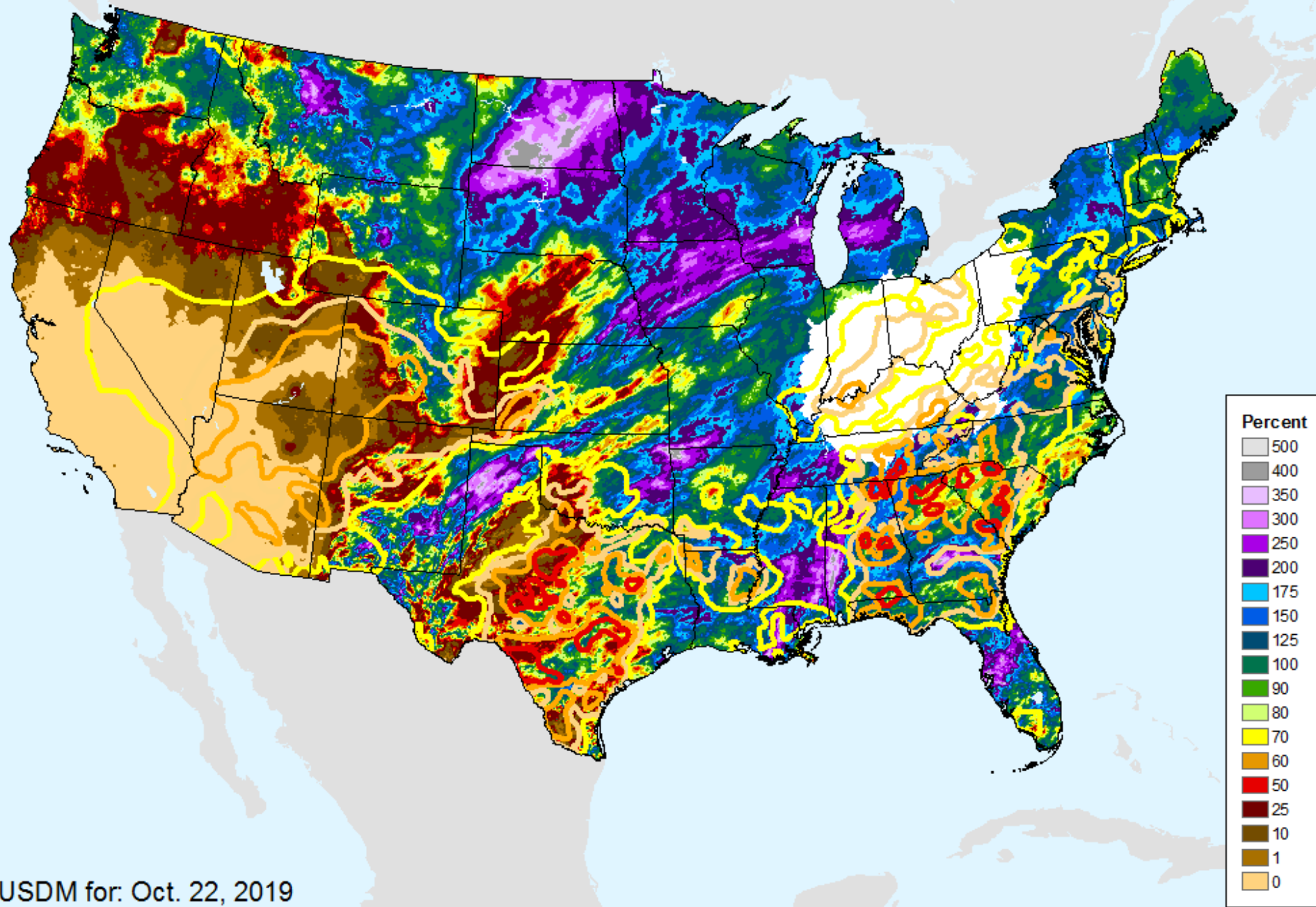
AHPS Water-Year Precip Departure

As of: Tuesday, October 29, 2019



AHPS Water-Year Pct of Normal Pcp

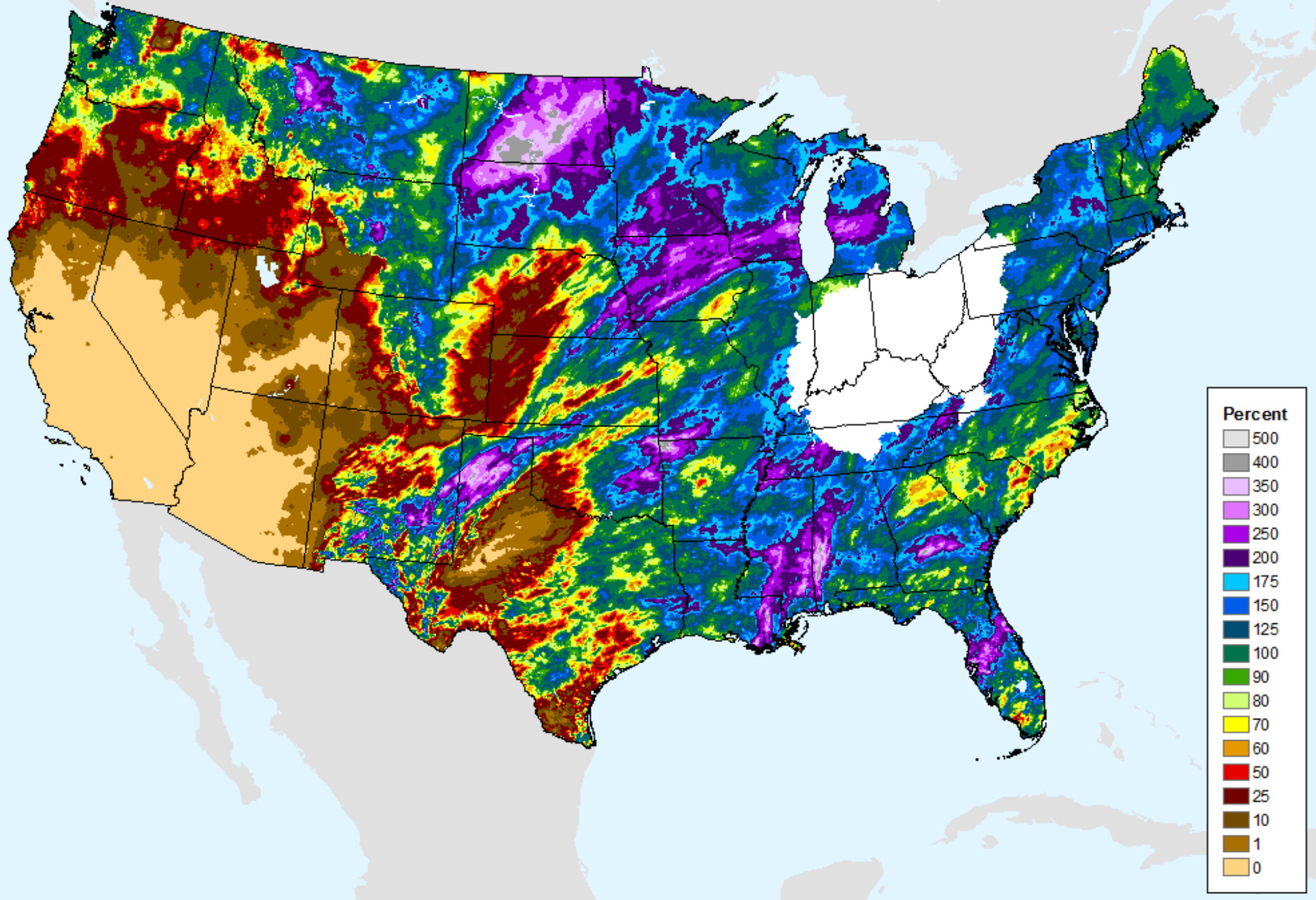
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

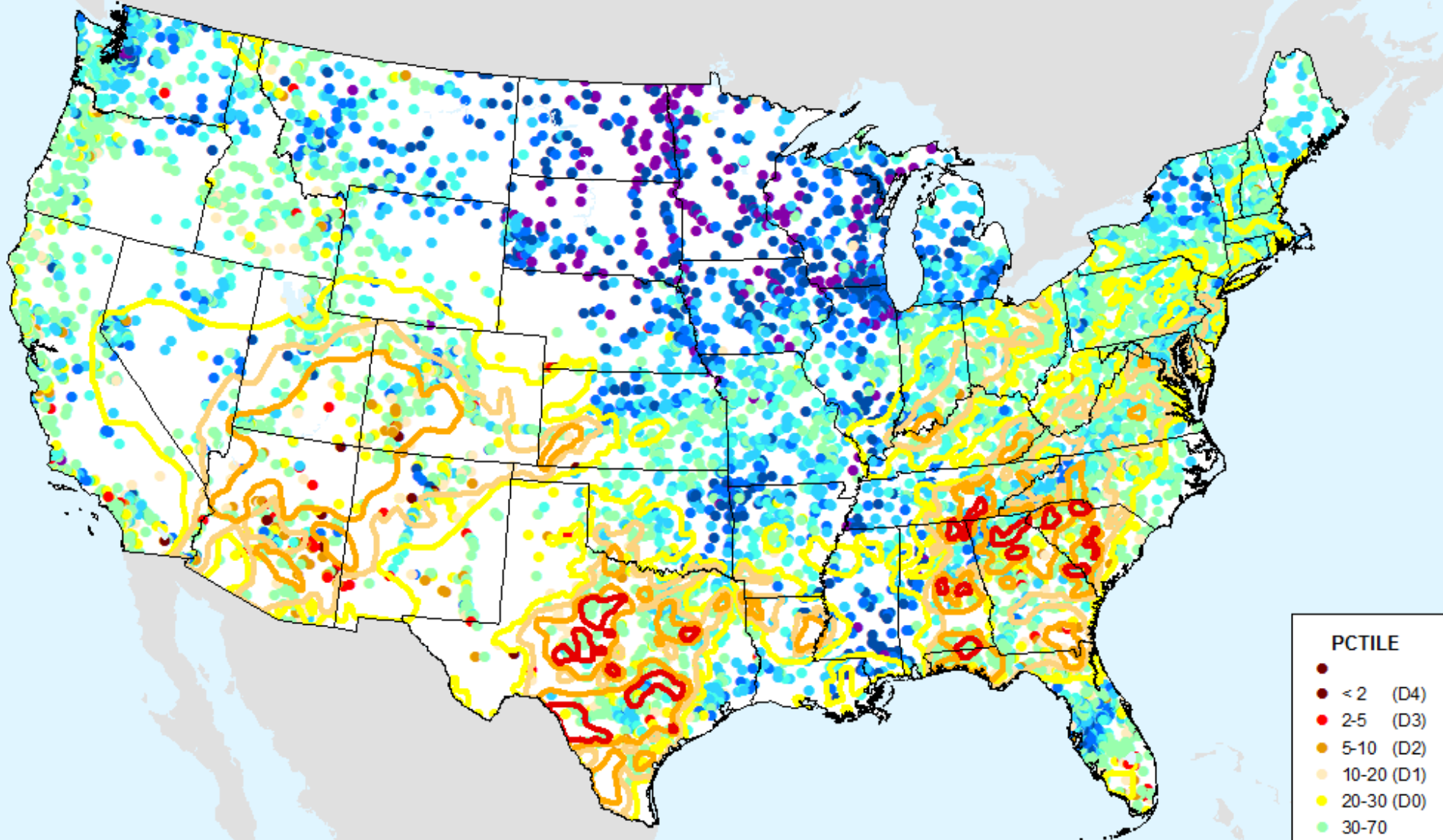
AHPS Water-Year Pct of Normal Pcp

As of: Tuesday, October 29, 2019



USGS 7-Day Avg Streamflow

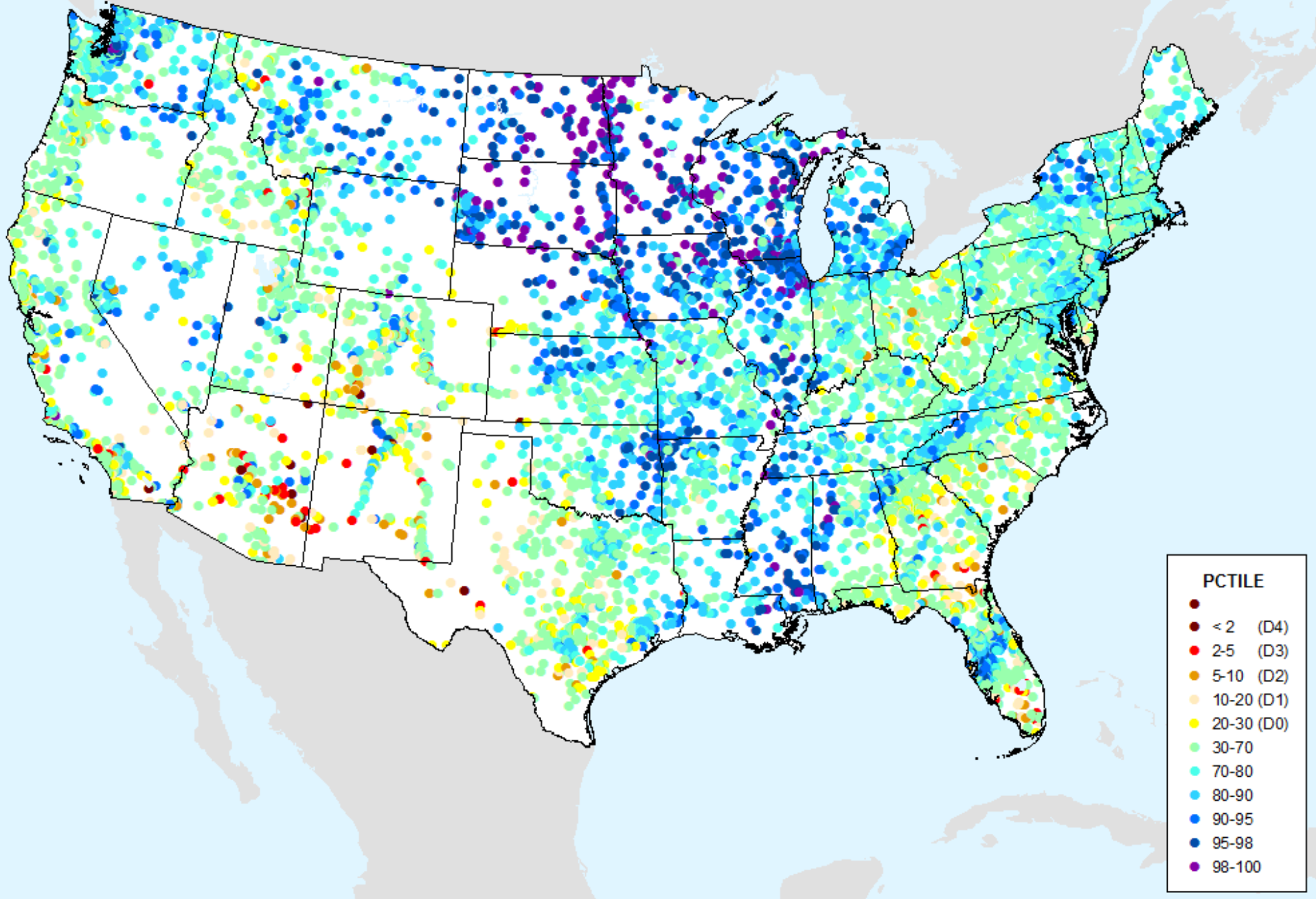
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

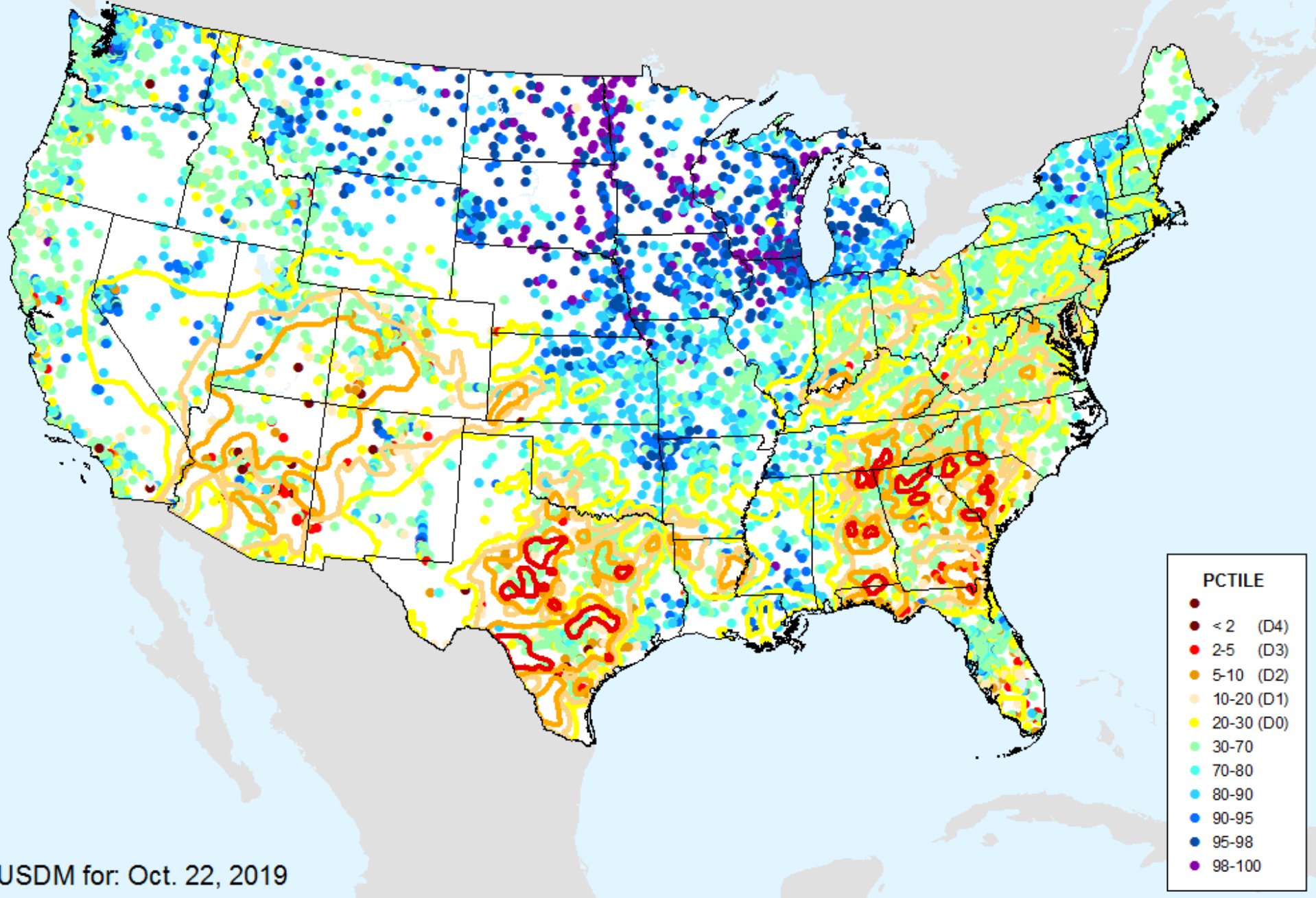
USGS 7-Day Avg Streamflow

As of: Tuesday, October 29, 2019



USGS 28-Day Avg Streamflow

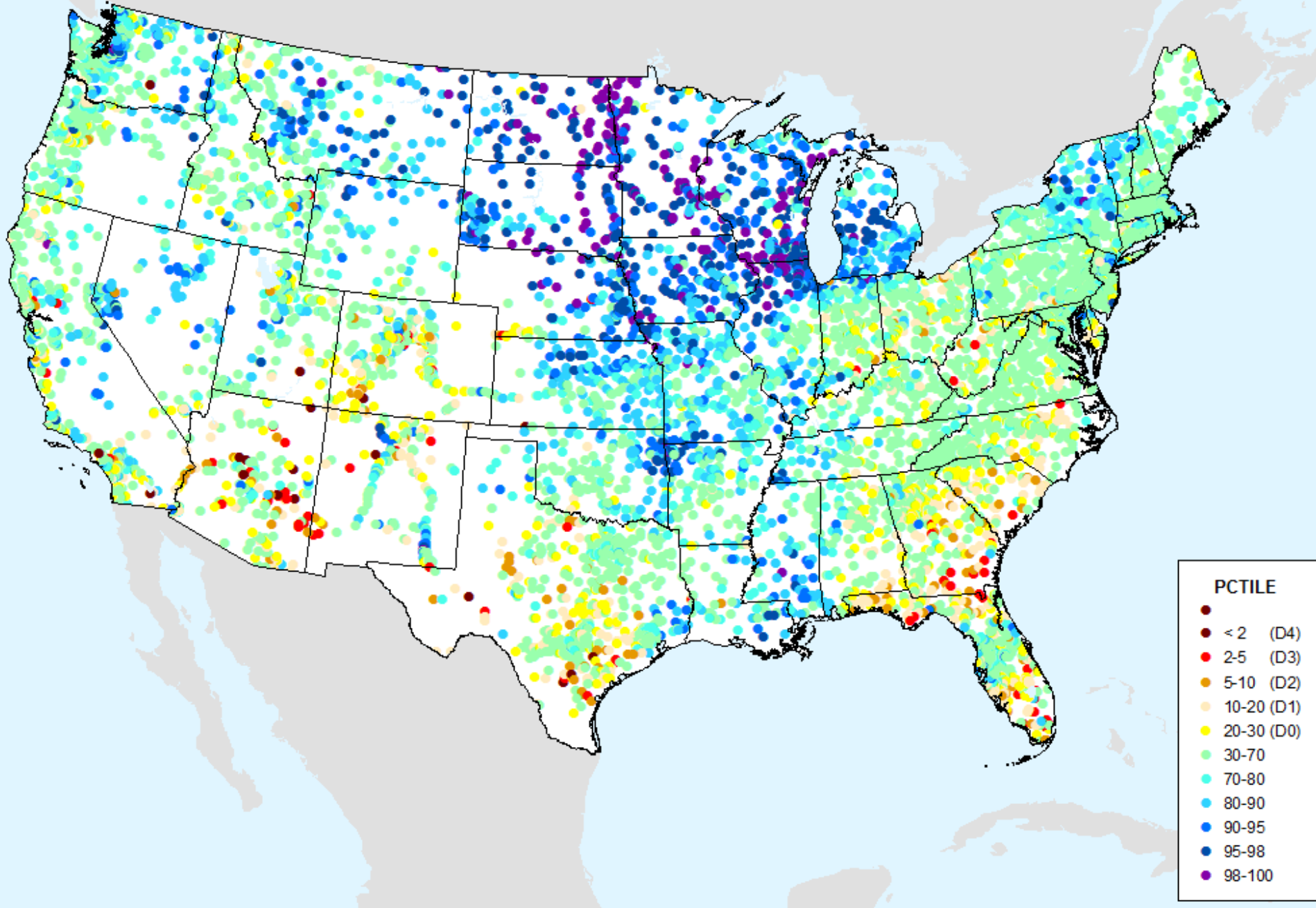
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

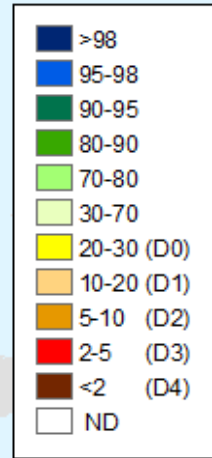
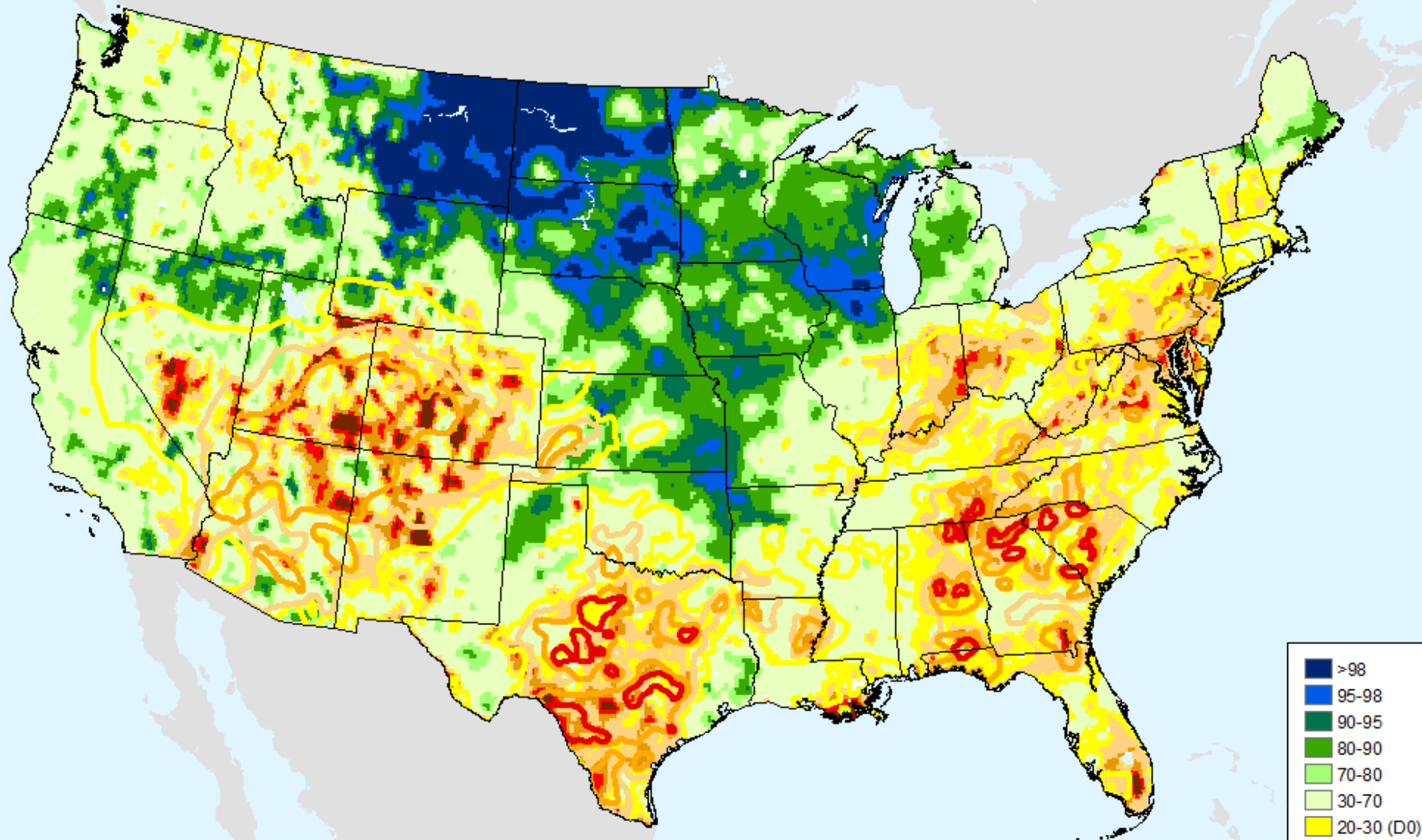
USGS 28-Day Avg Streamflow

As of: Tuesday, October 29, 2019



NLDAS Top 1m Soil Moisture

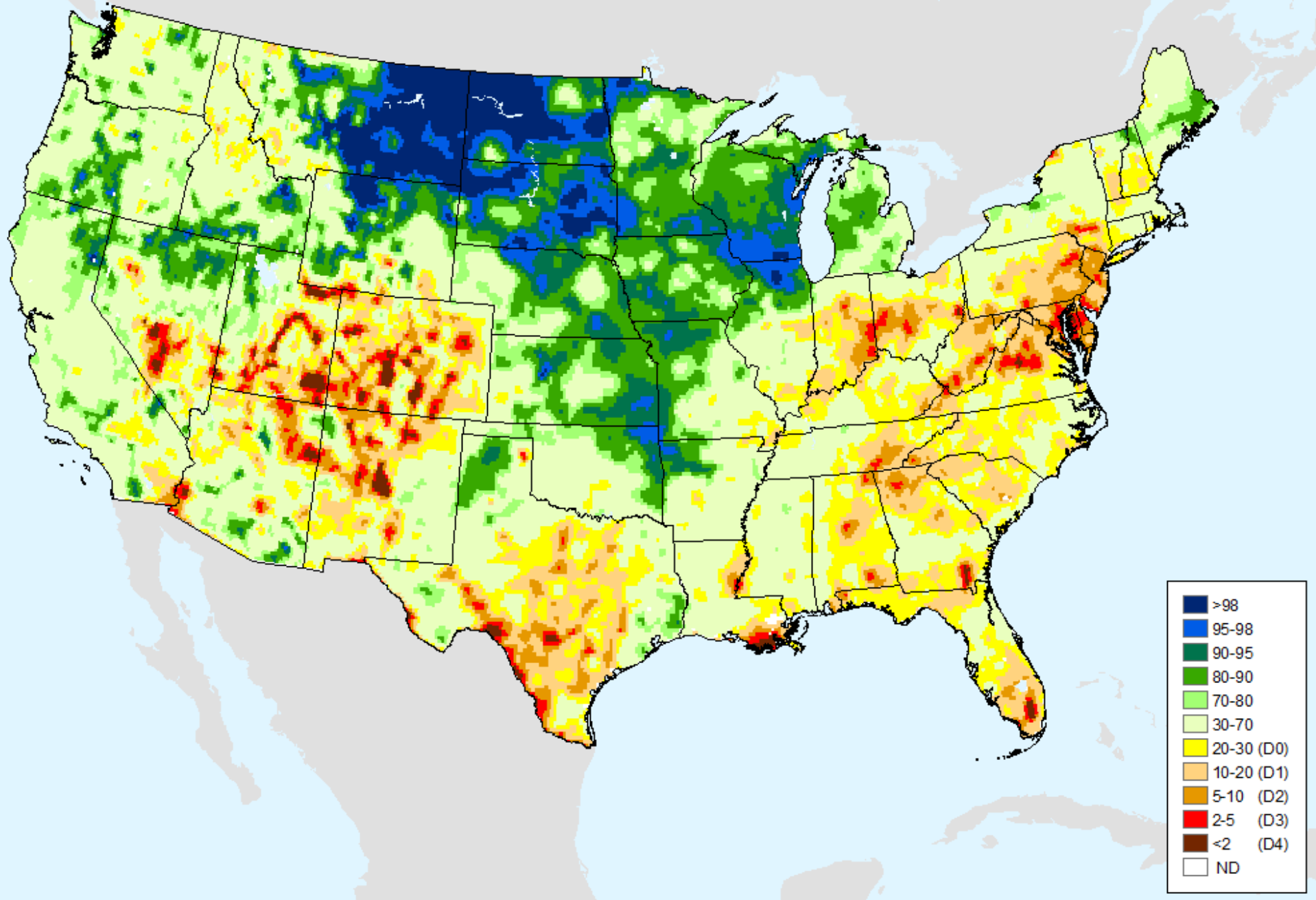
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

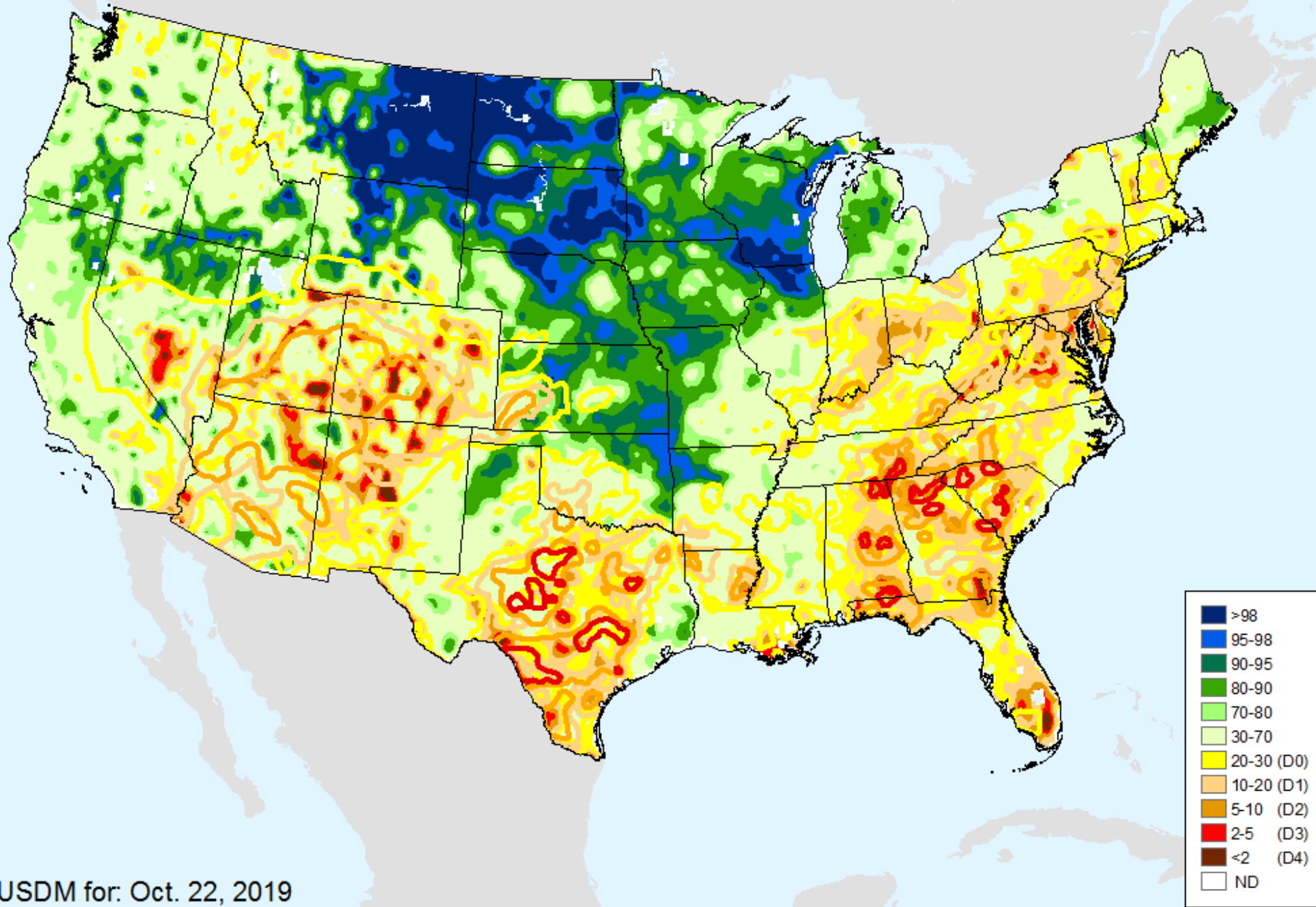
NLDAS Top 1m Soil Moisture

As of: Tuesday, October 29, 2019



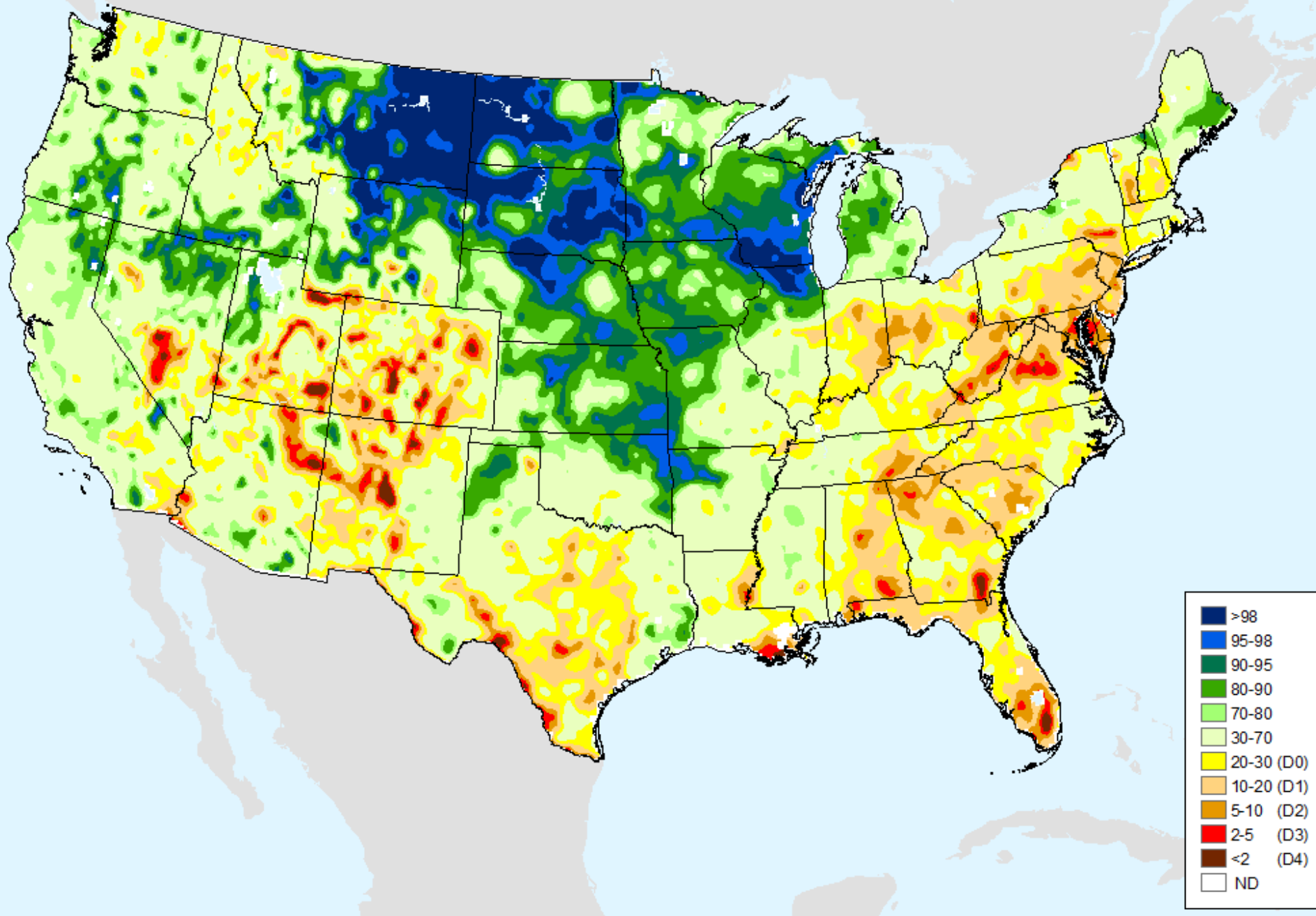
NLDAS Total Column Soil Moisture

As of: Tuesday, October 29, 2019



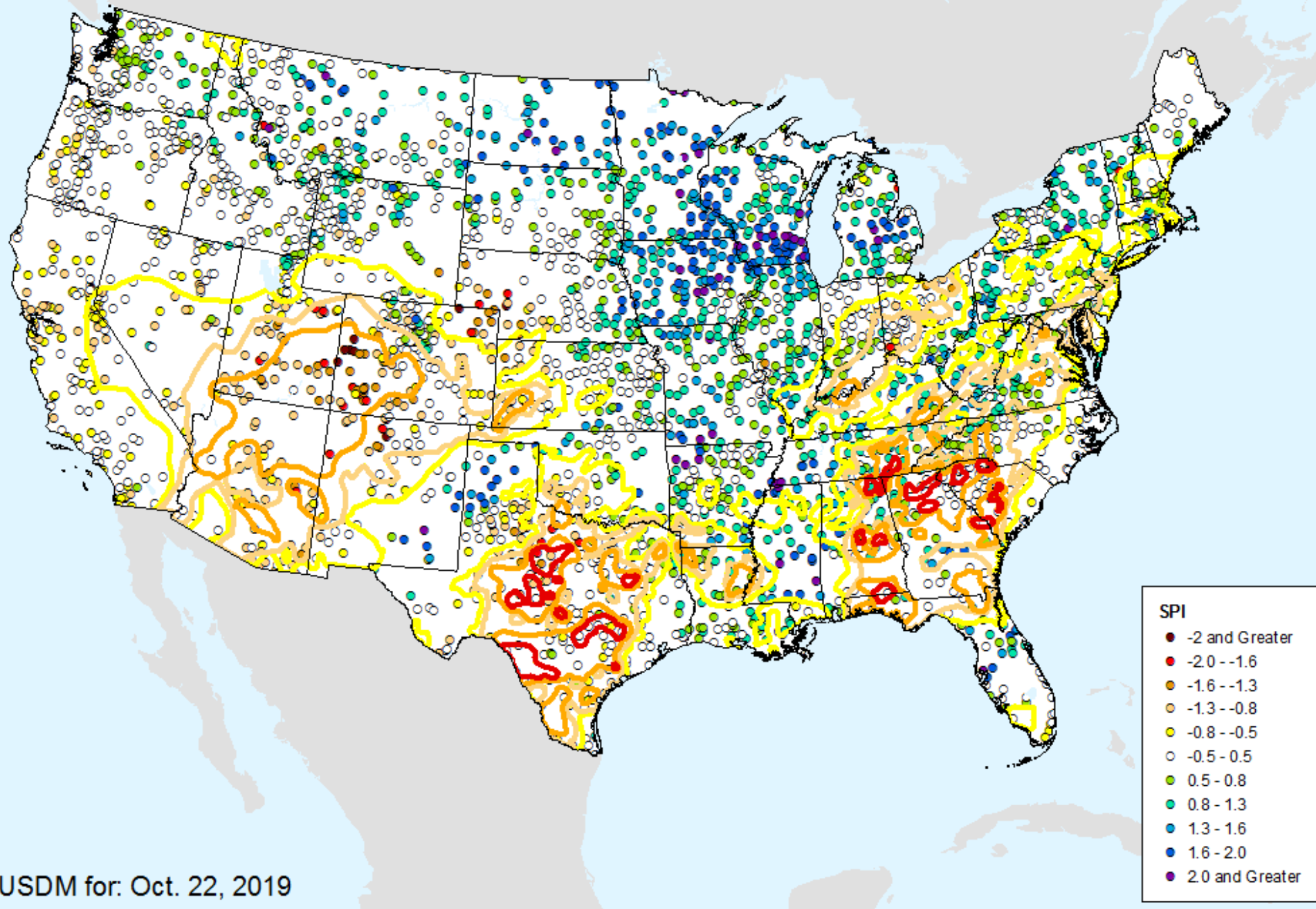
NLDAS Total Column Soil Moisture

As of: Tuesday, October 29, 2019



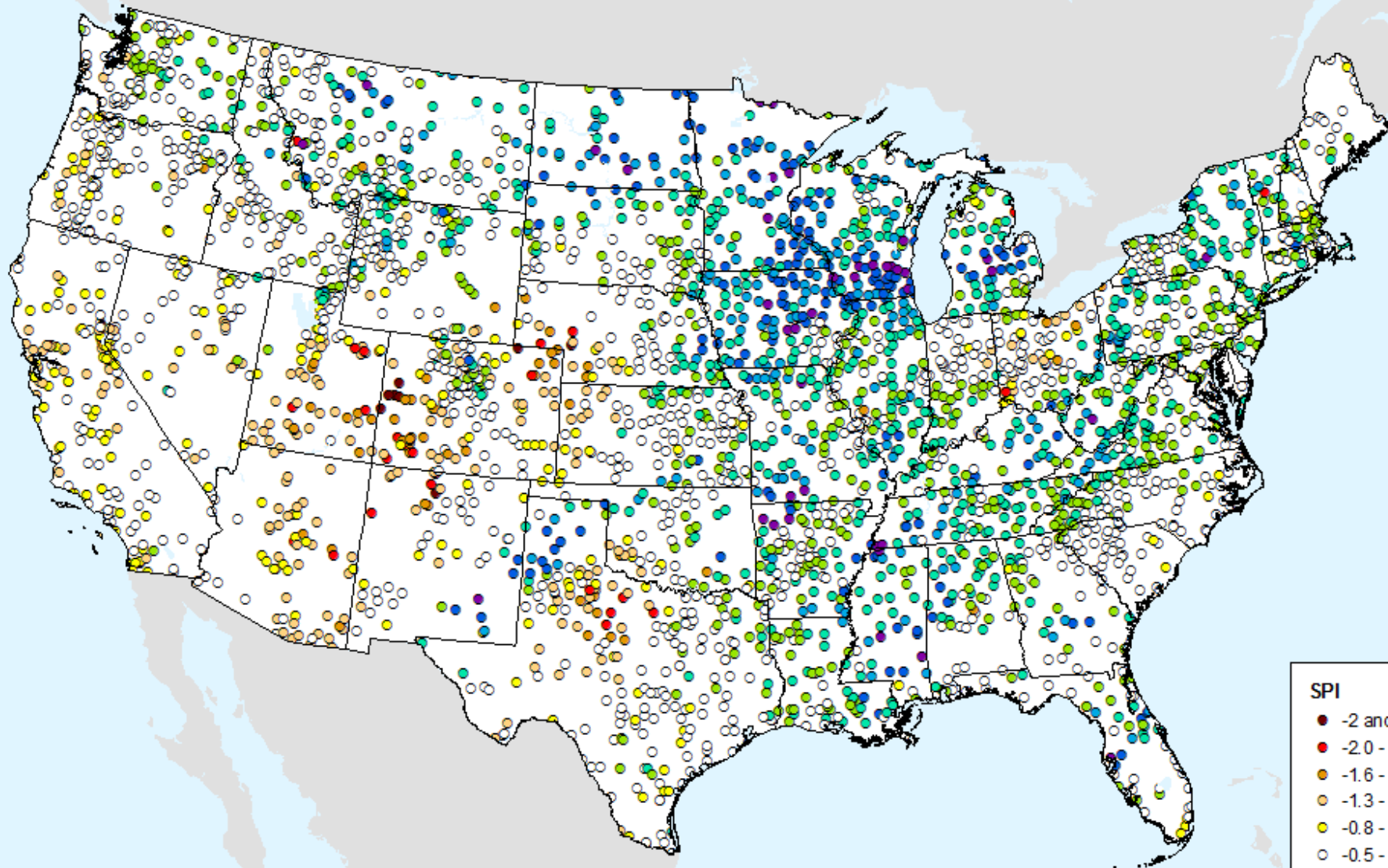
HPRCC 1-month SPI

As of: Tuesday, October 29, 2019



HPRCC 1-month SPI

As of: Tuesday, October 29, 2019

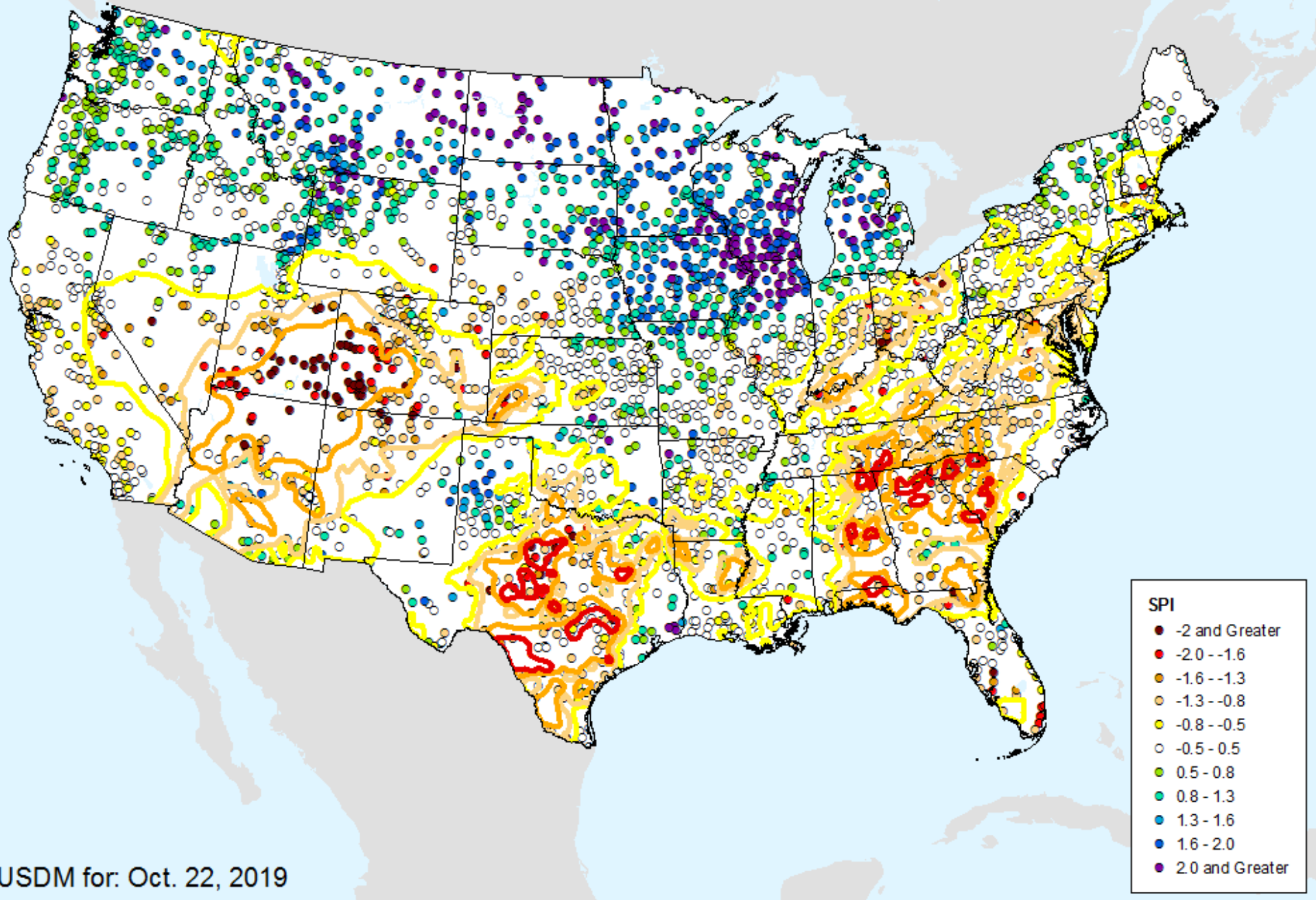


SPI

- -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

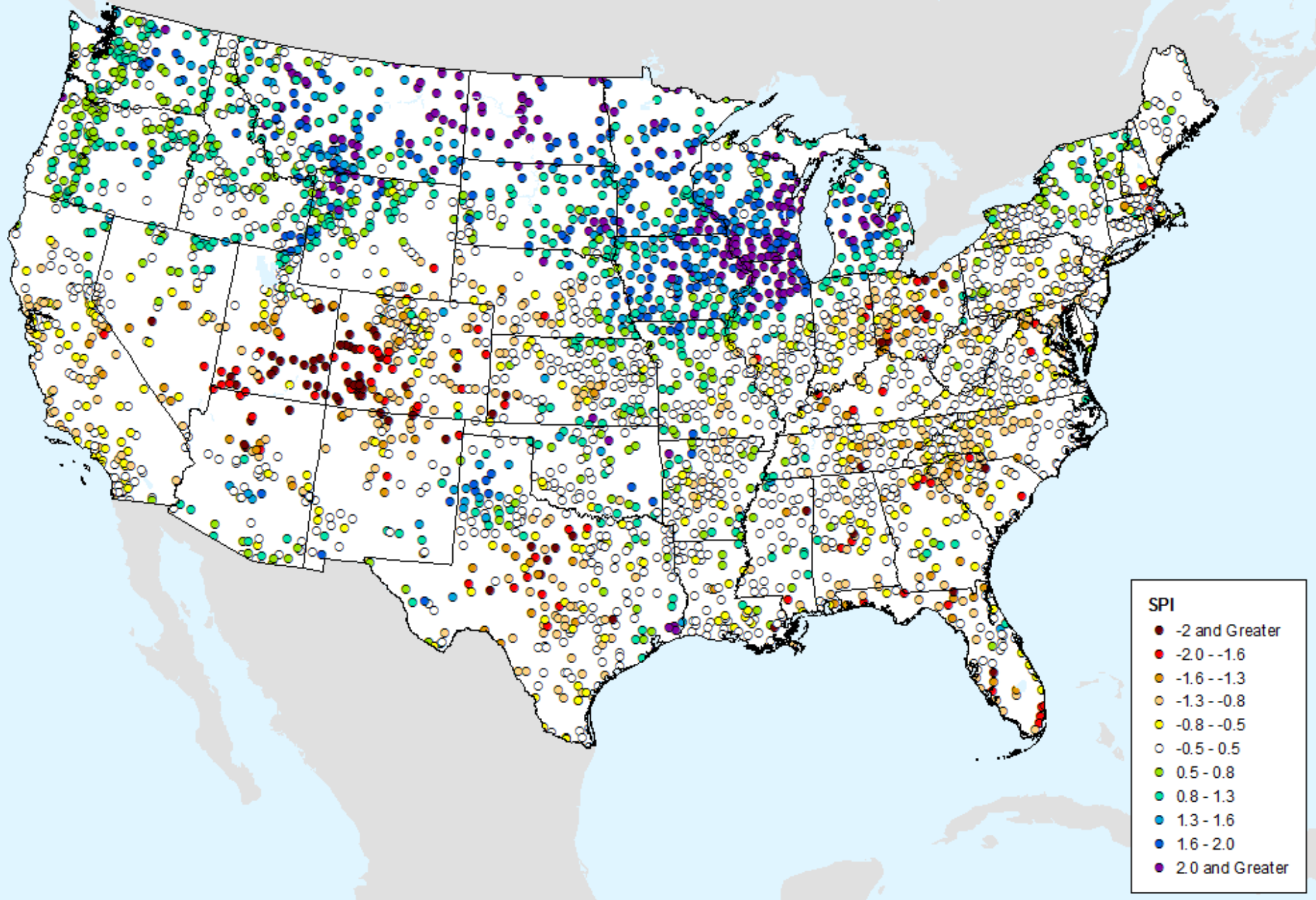
HPRCC 2-month SPI

As of: Tuesday, October 29, 2019



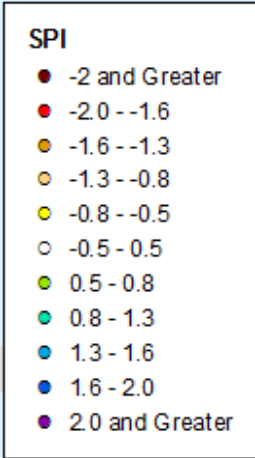
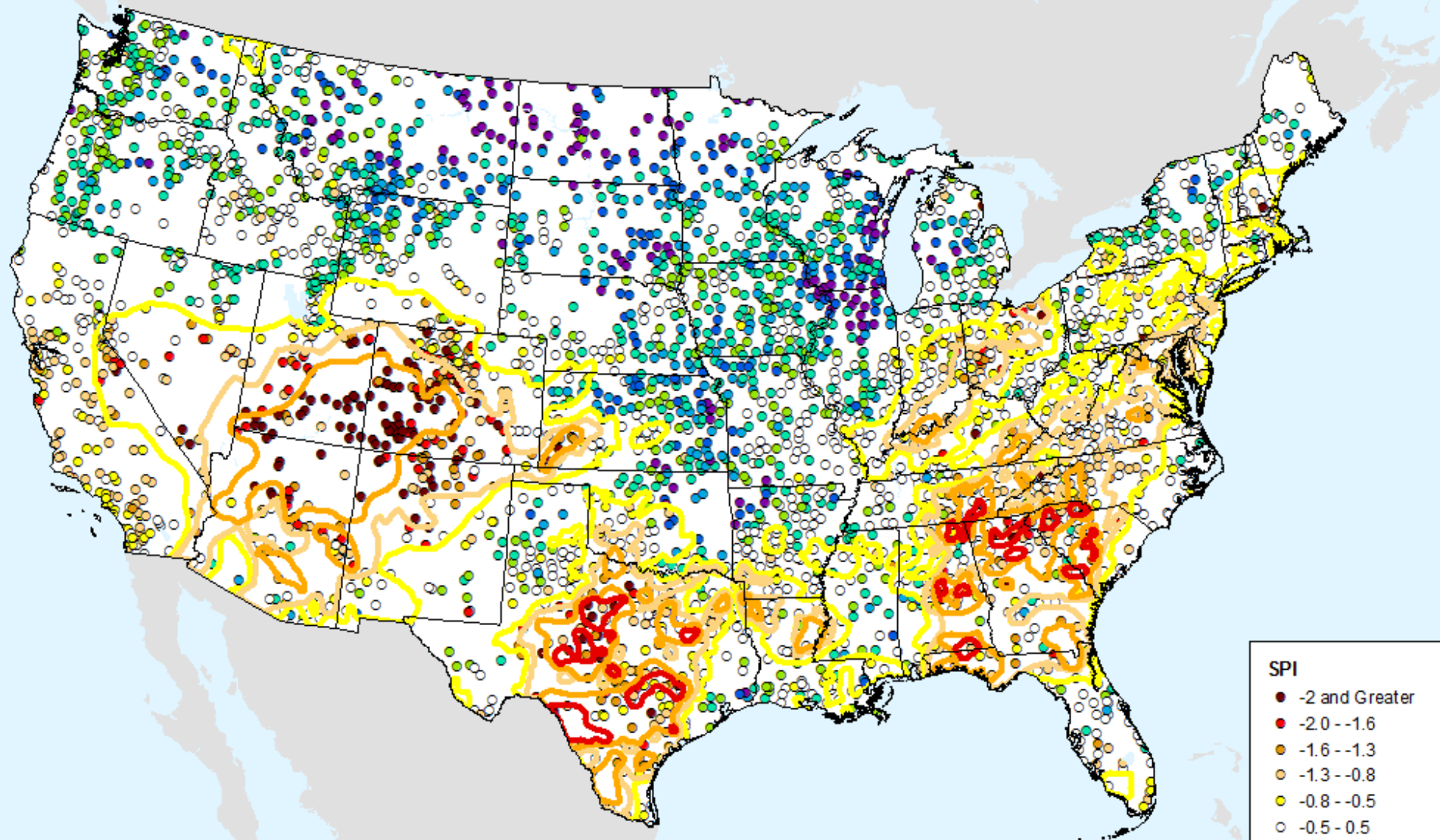
HPRCC 2-month SPI

As of: Tuesday, October 29, 2019



HPRCC 3-month SPI

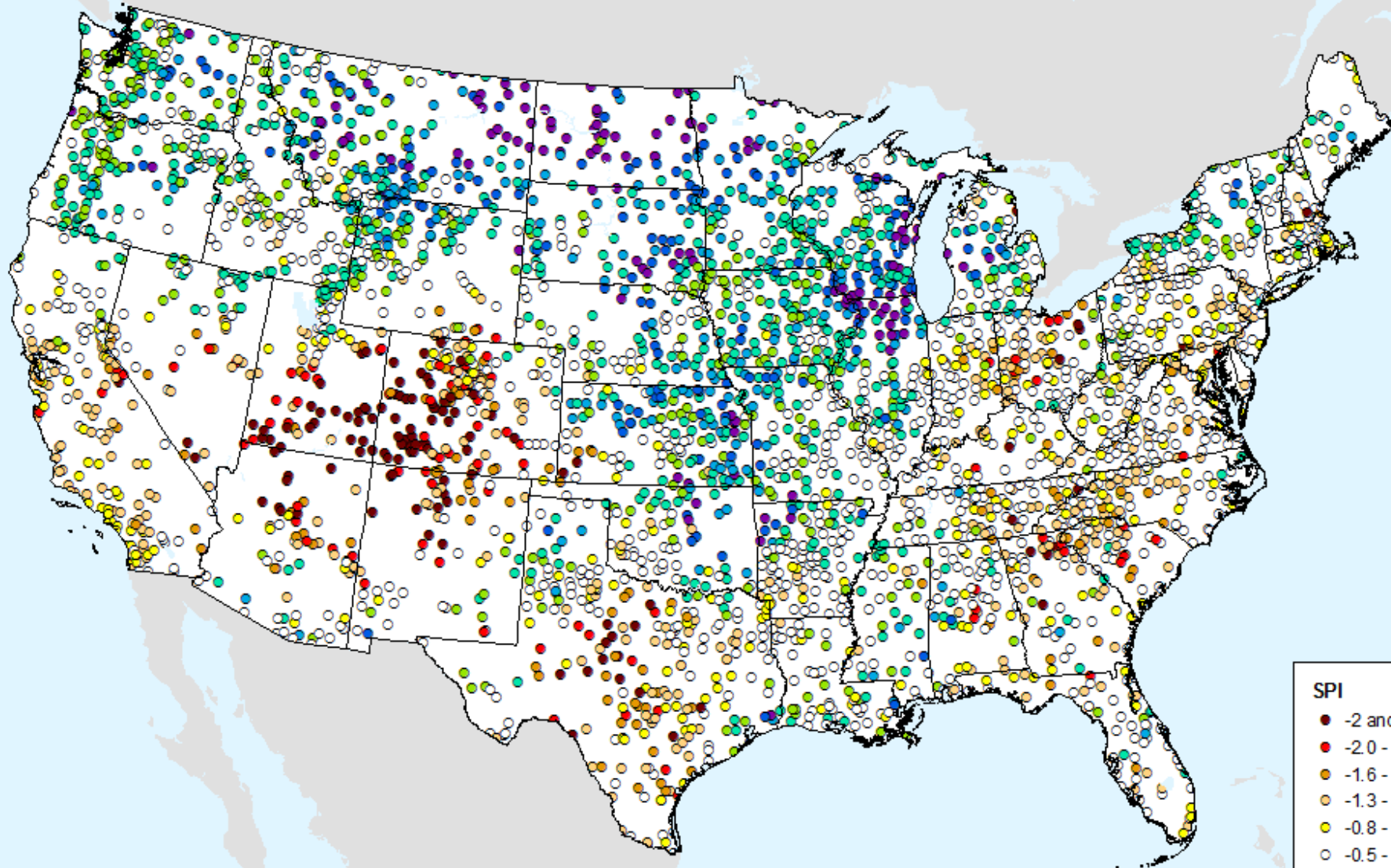
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

HPRCC 3-month SPI

As of: Tuesday, October 29, 2019

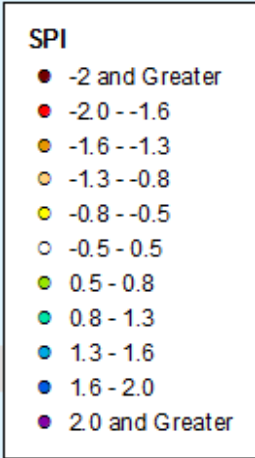
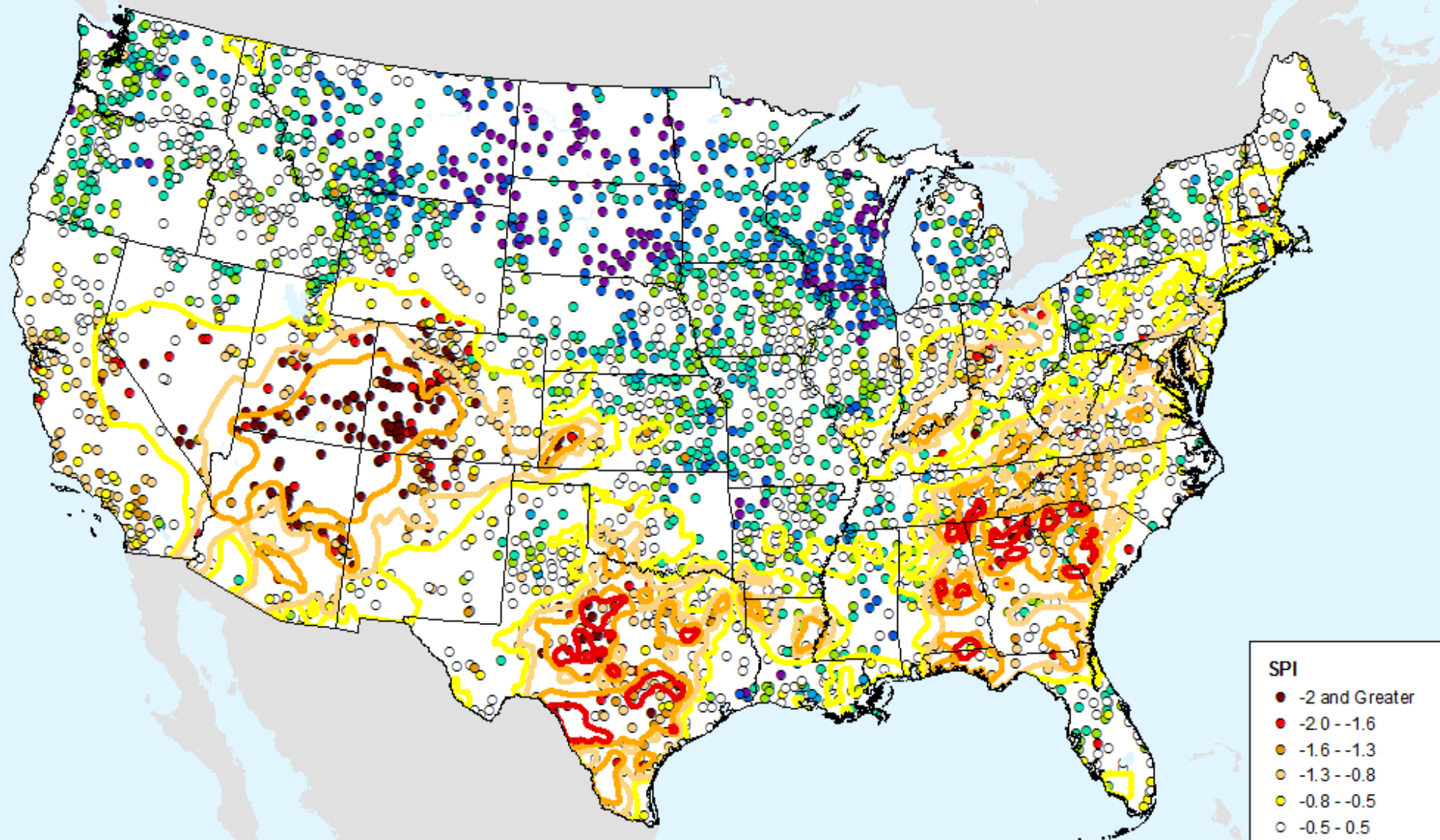


SPI

- -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

HPRCC 4-month SPI

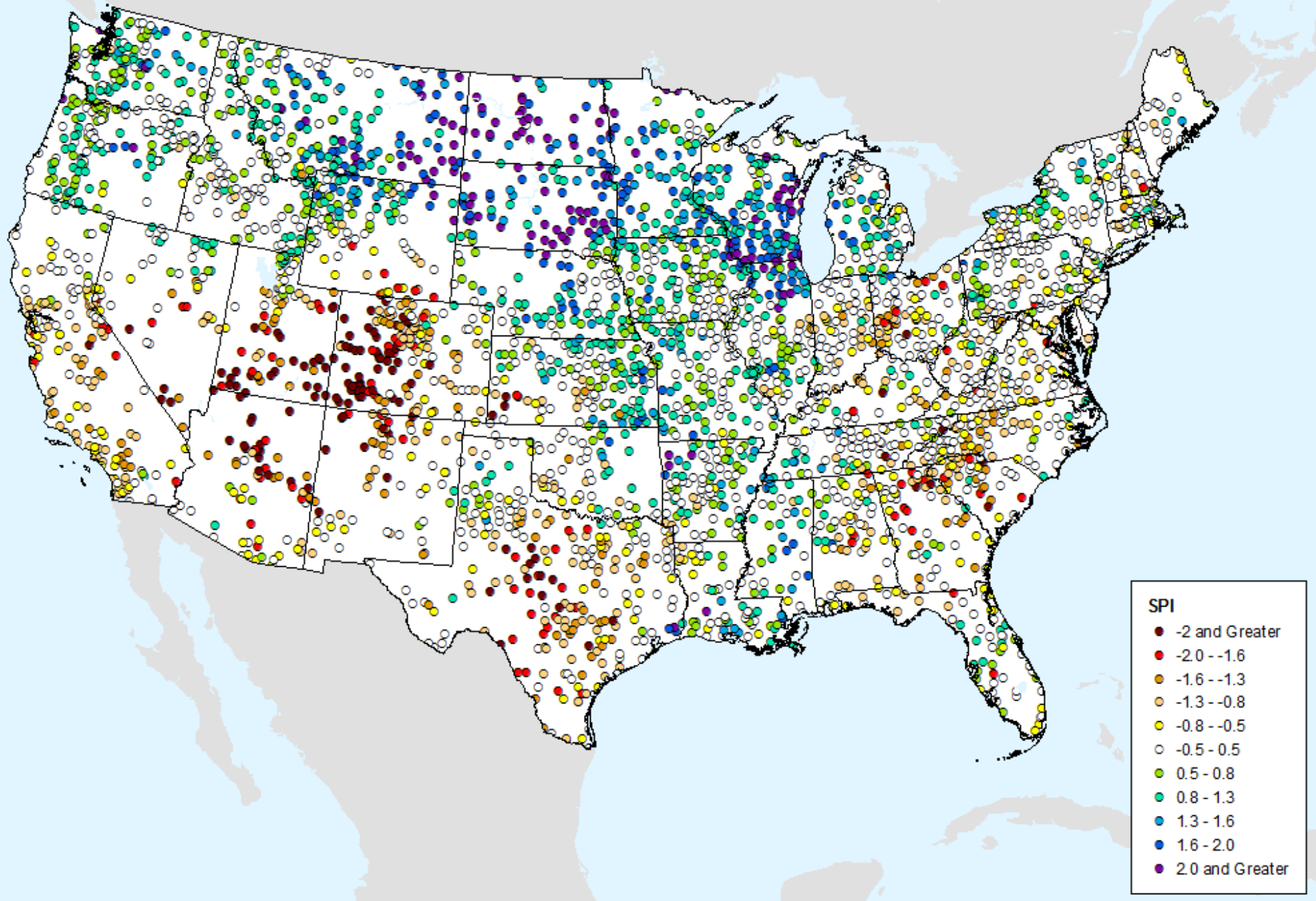
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

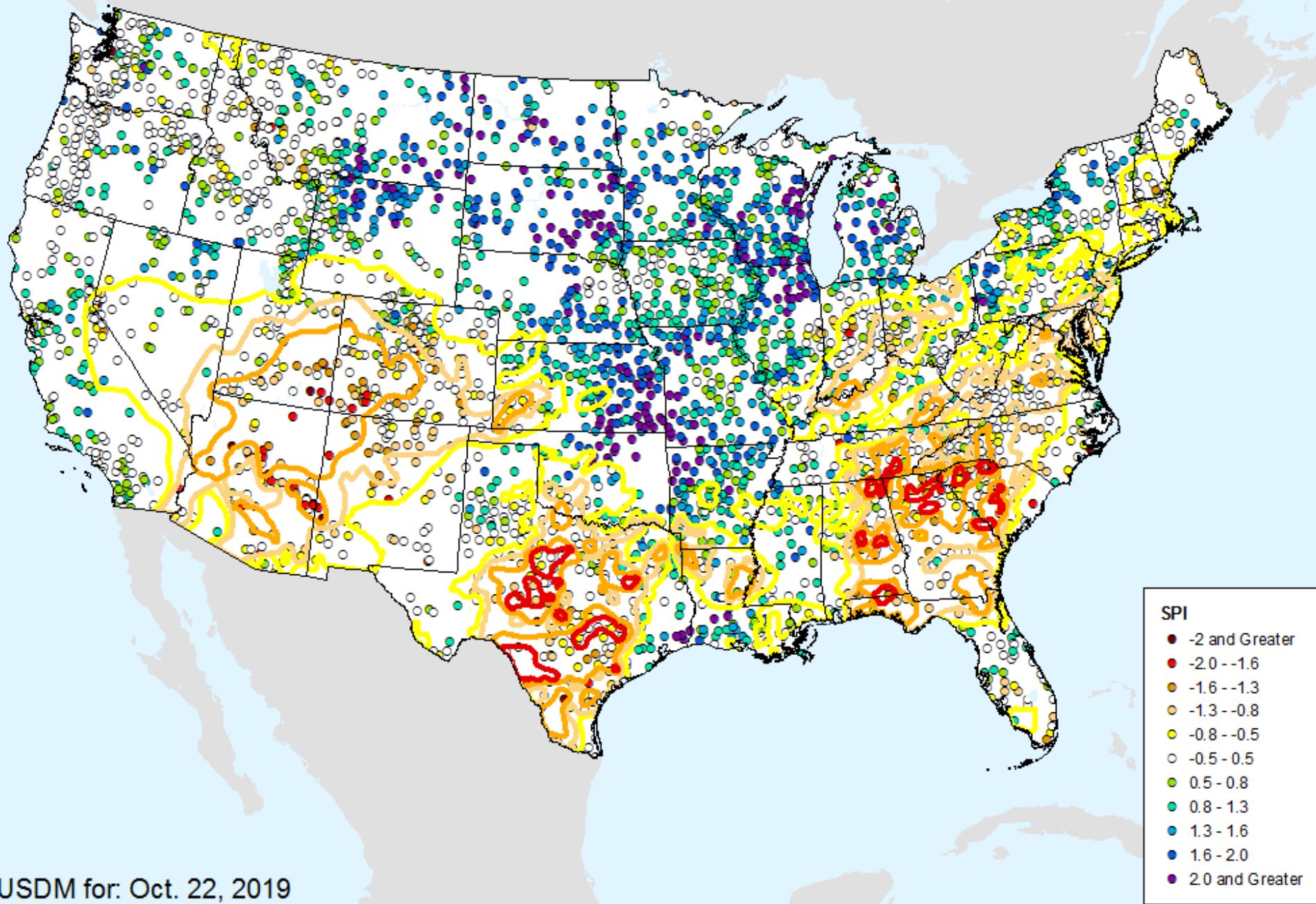
HPRCC 4-month SPI

As of: Tuesday, October 29, 2019



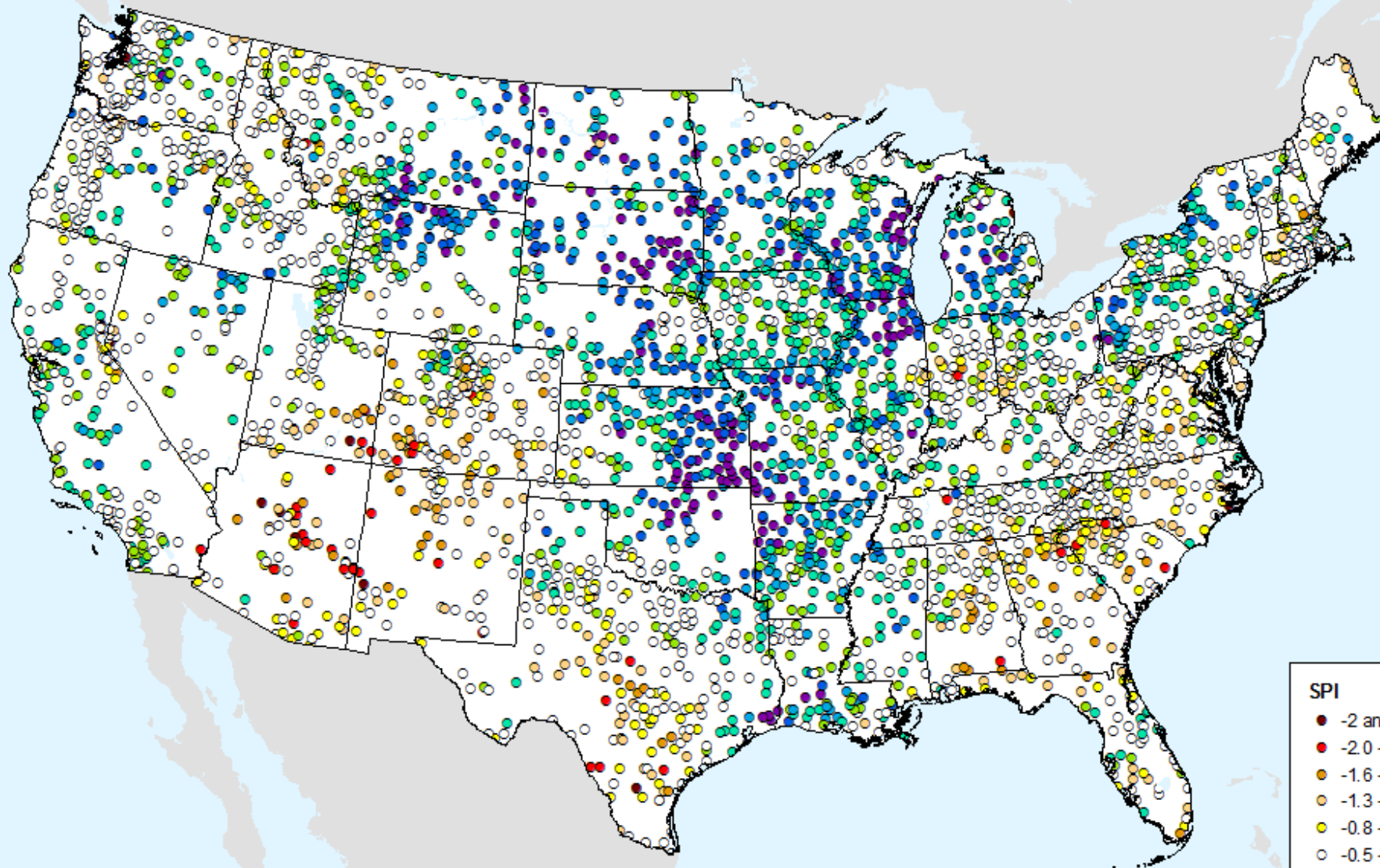
HPRCC 6-month SPI

As of: Tuesday, October 29, 2019



HPRCC 6-month SPI

As of: Tuesday, October 29, 2019

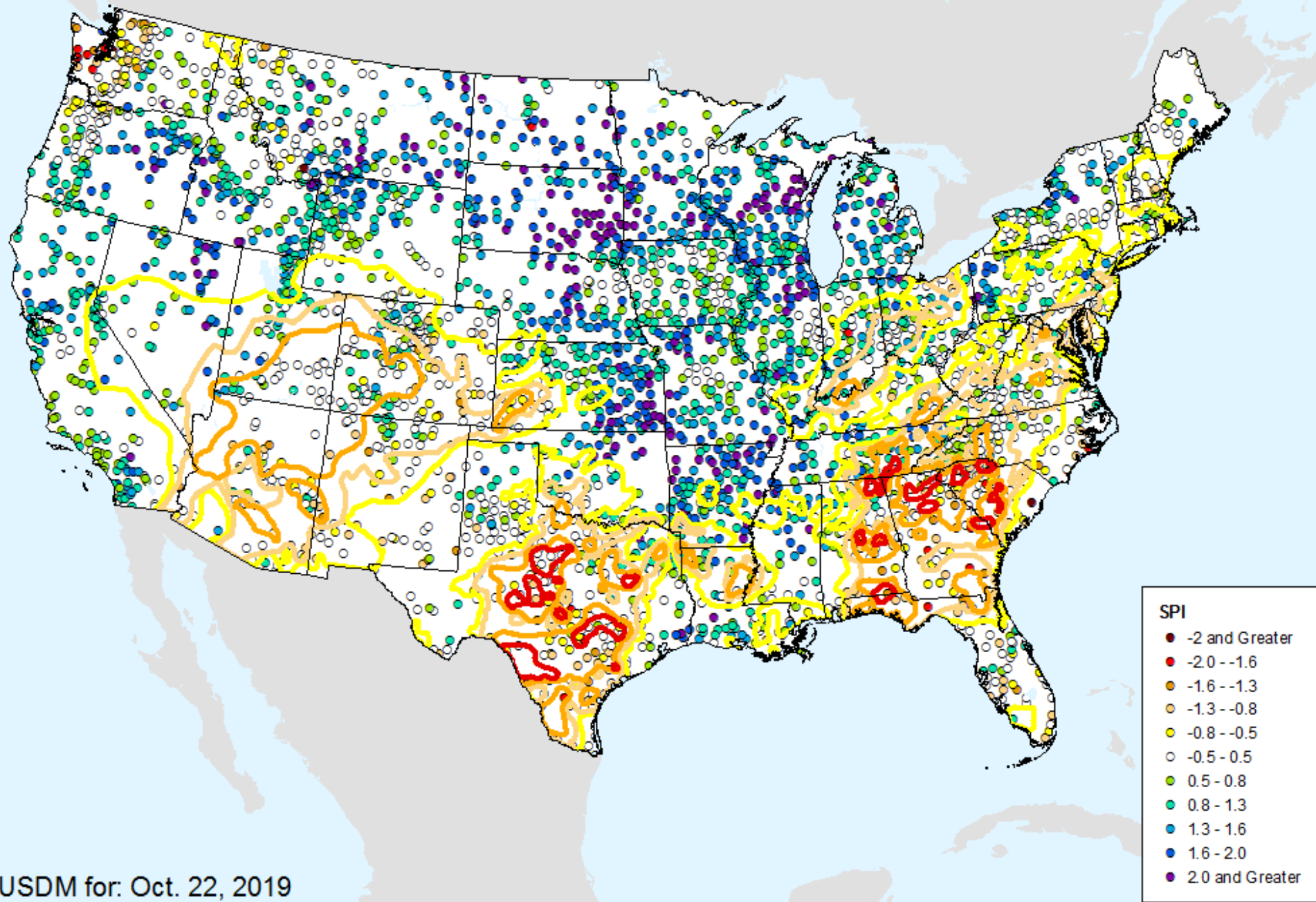


SPI

- -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

HPRCC 9-month SPI

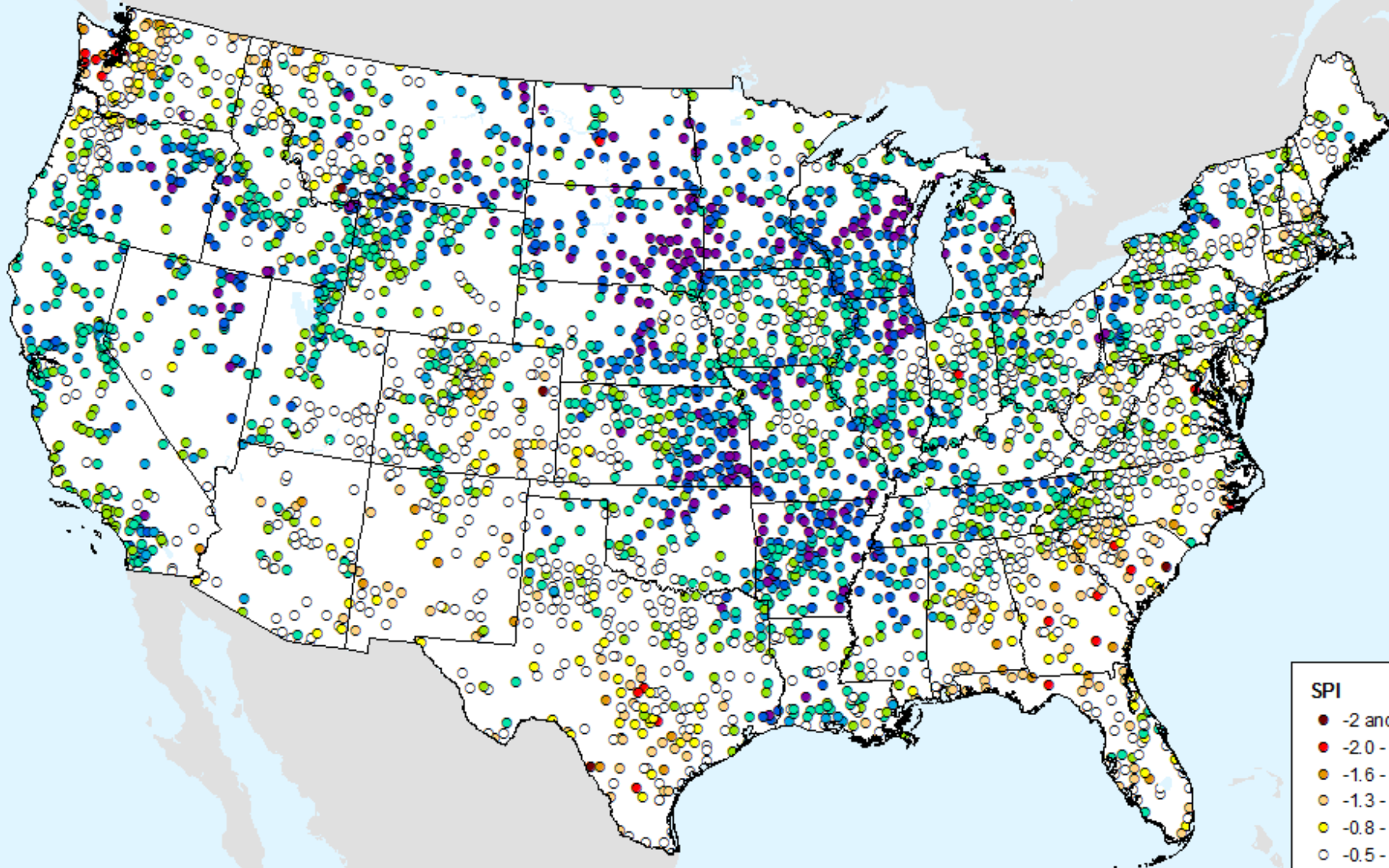
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

HPRCC 9-month SPI

As of: Tuesday, October 29, 2019

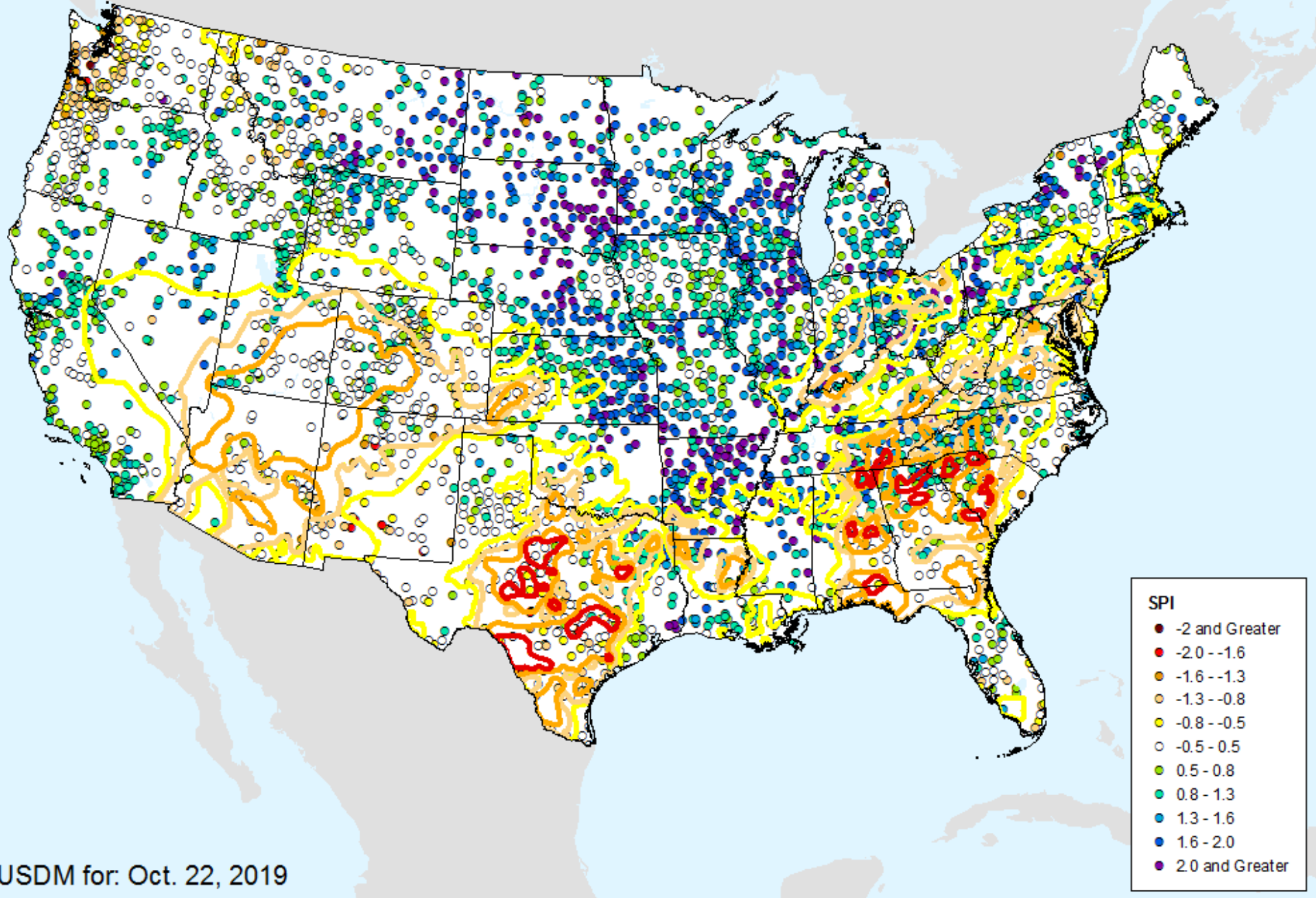


SPI

- -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

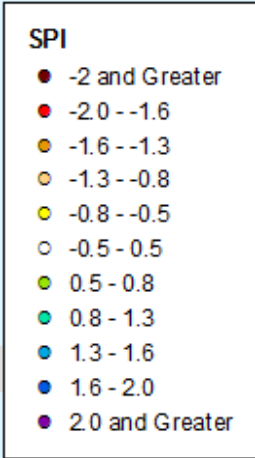
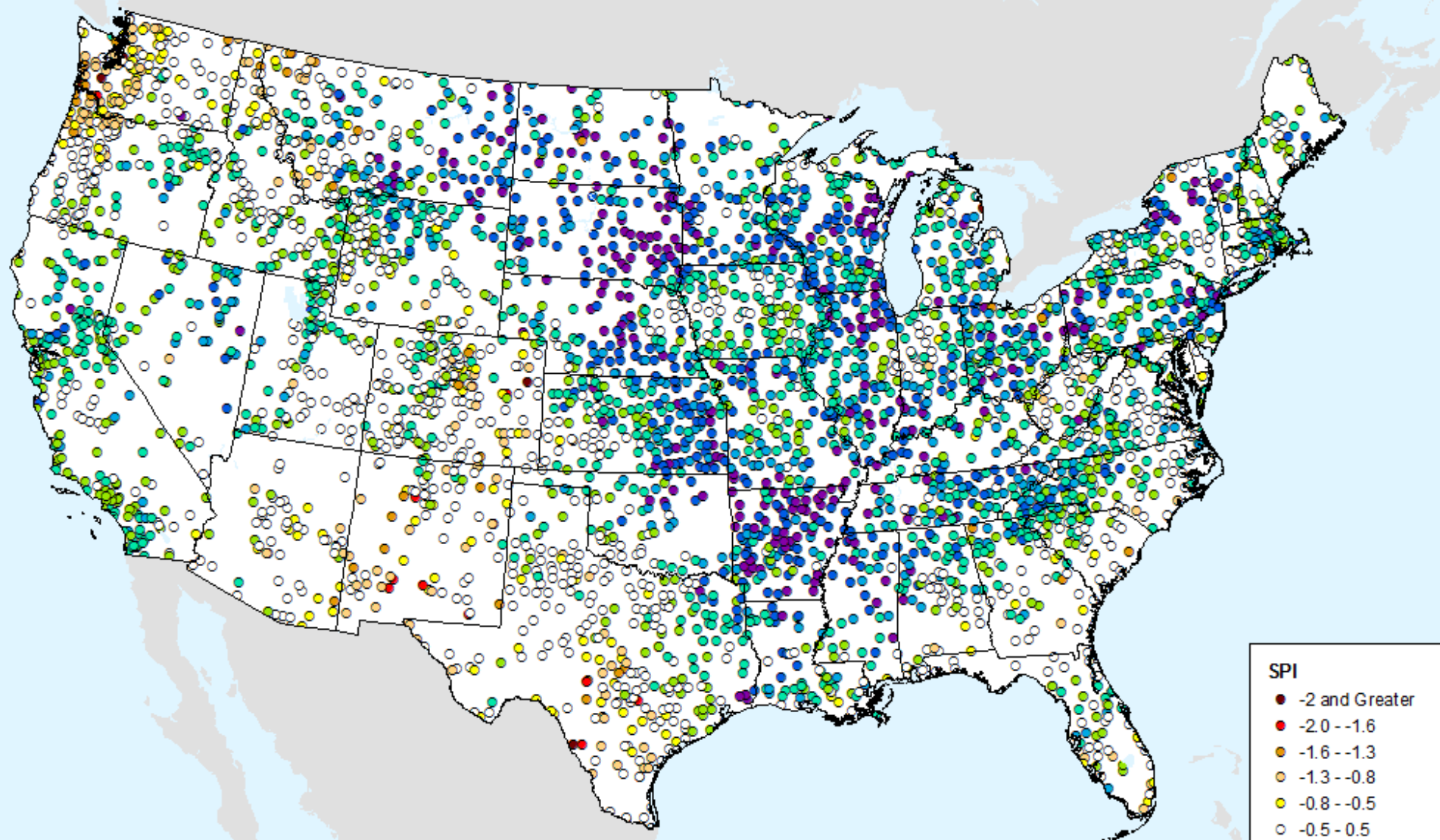
HPRCC 12-month SPI

As of: Tuesday, October 29, 2019



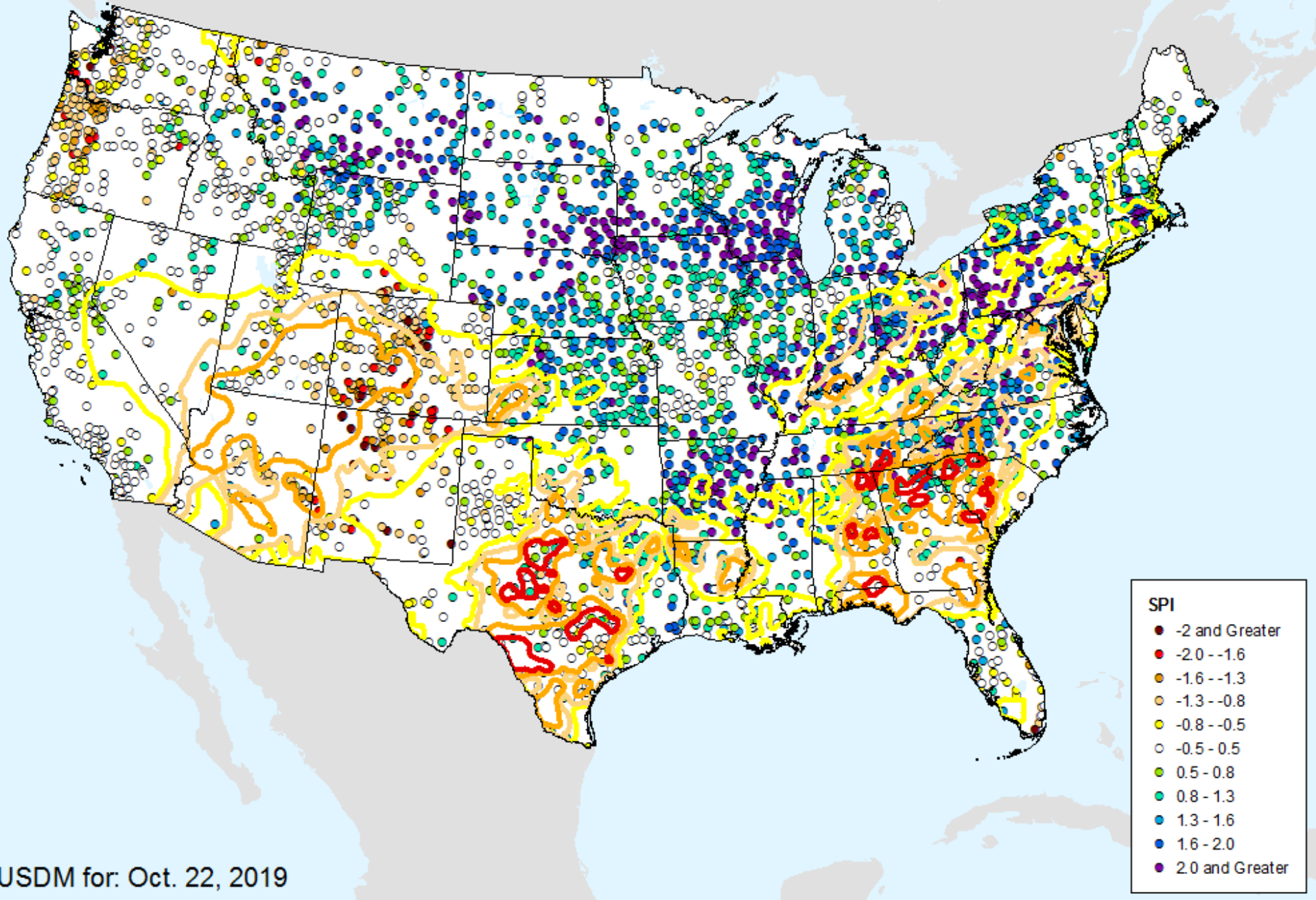
HPRCC 12-month SPI

As of: Tuesday, October 29, 2019



HPRCC 24-month SPI

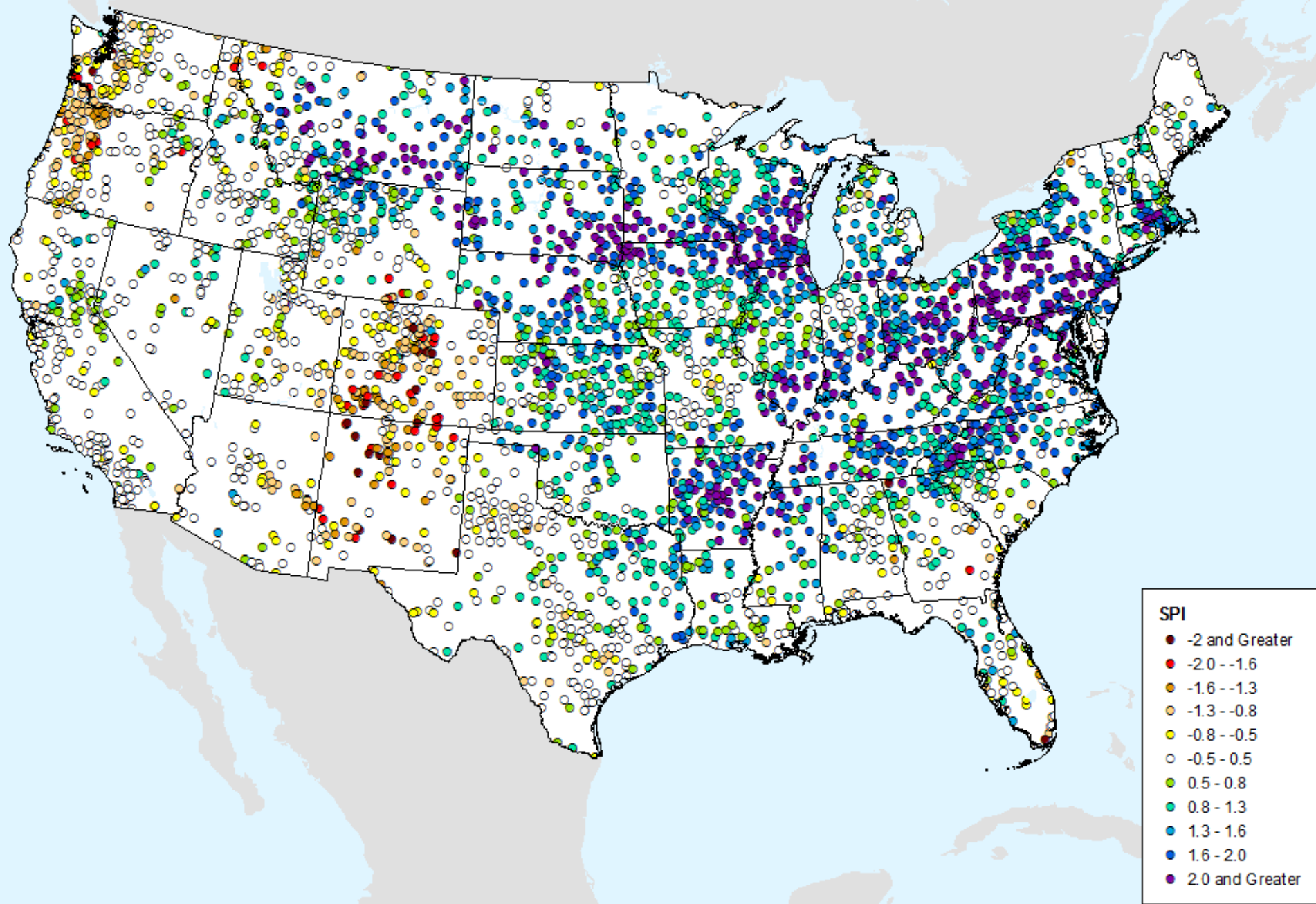
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

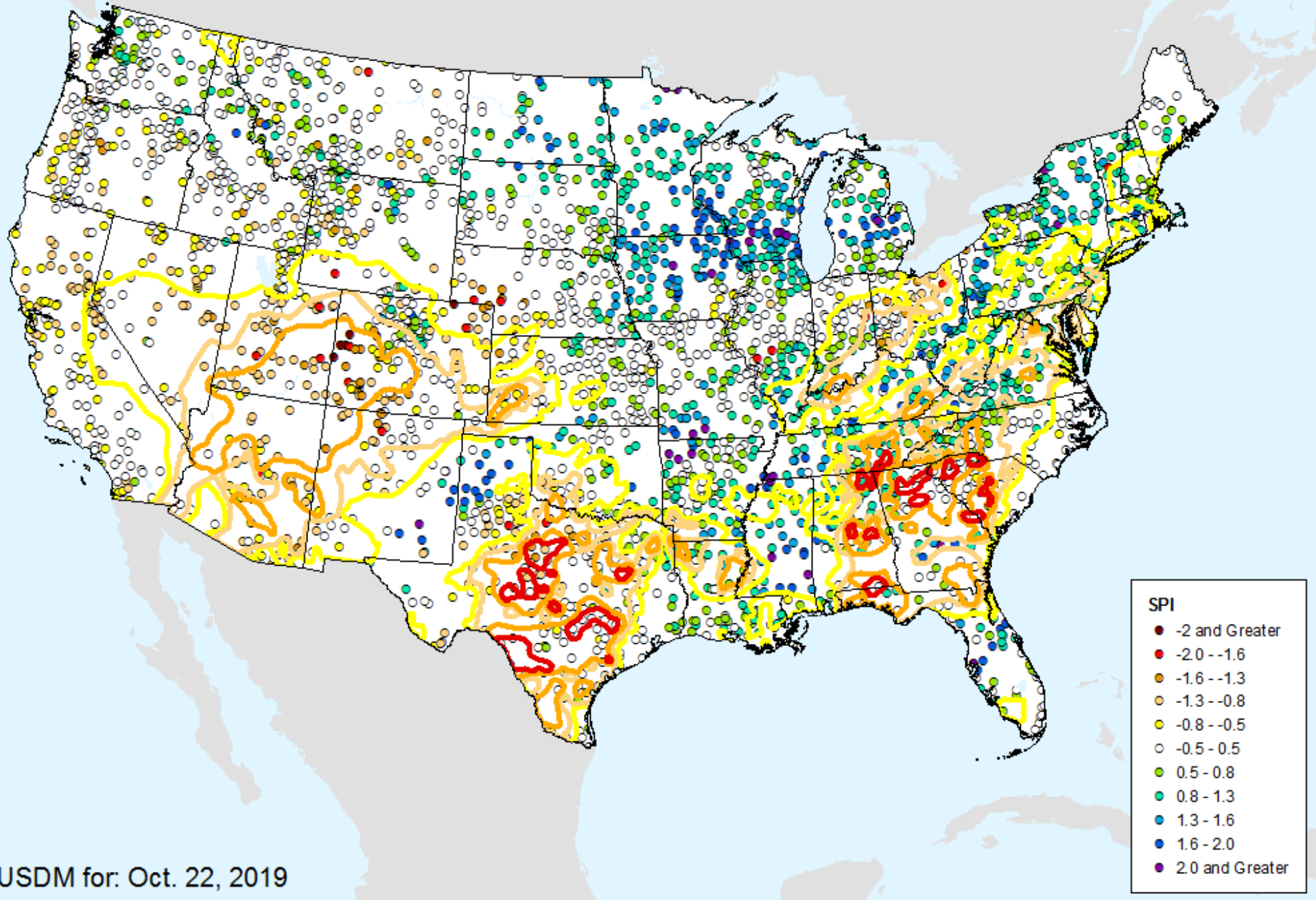
HPRCC 24-month SPI

As of: Tuesday, October 29, 2019



HPRCC Water Year-to-date SPI

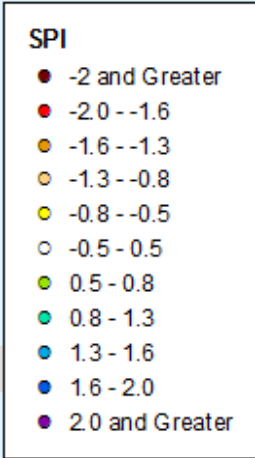
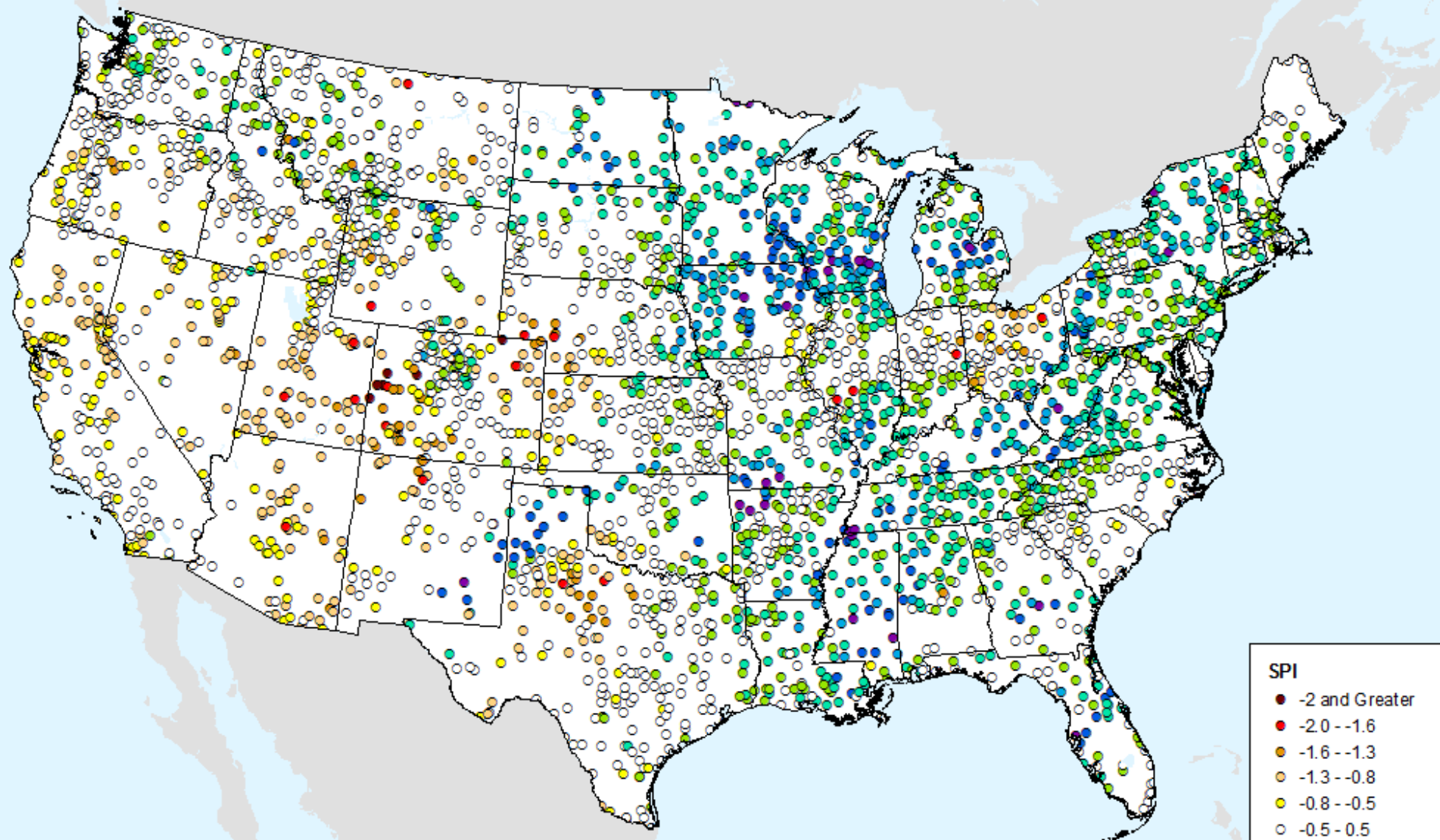
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

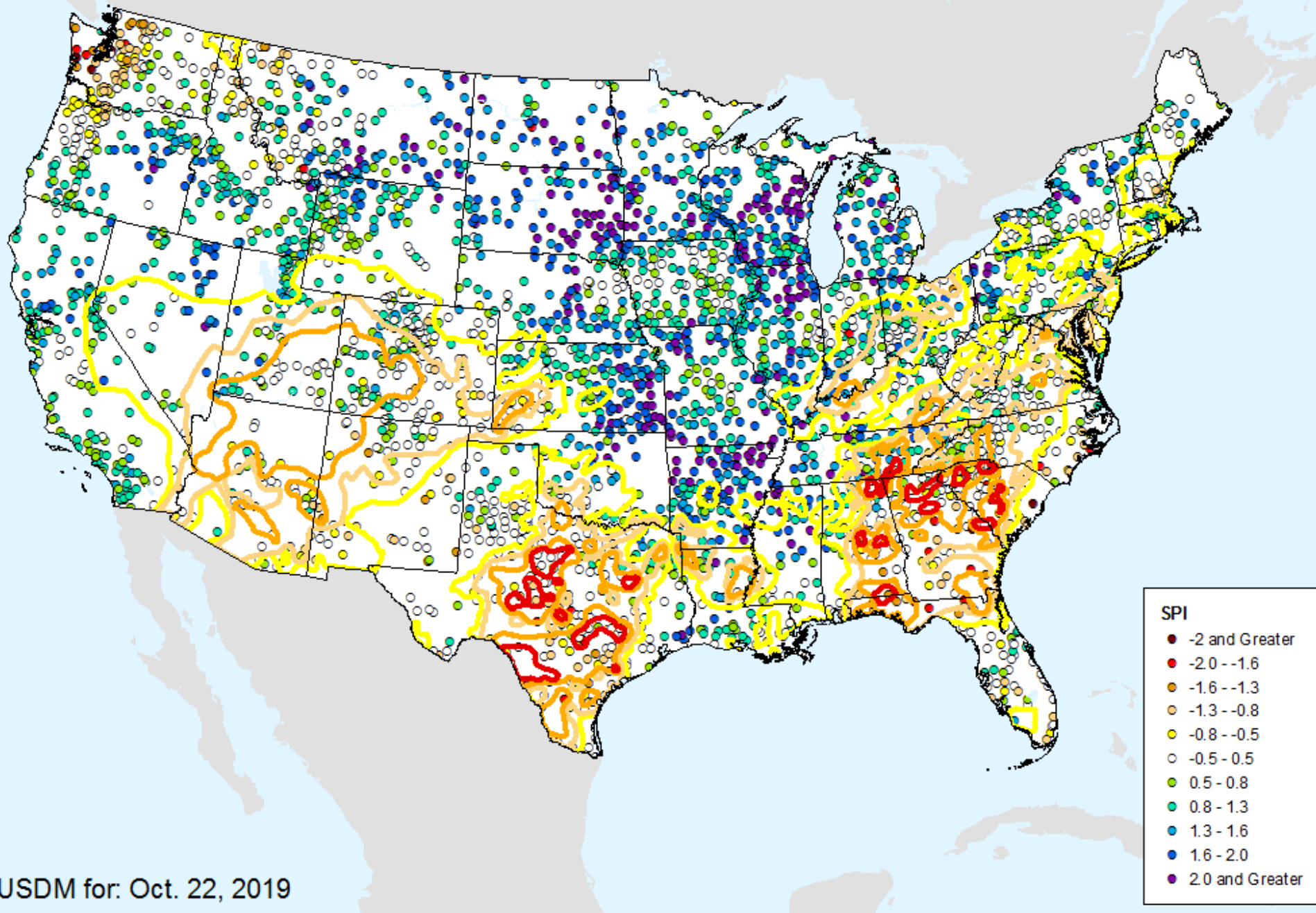
HPRCC Water Year-to-date SPI

As of: Tuesday, October 29, 2019



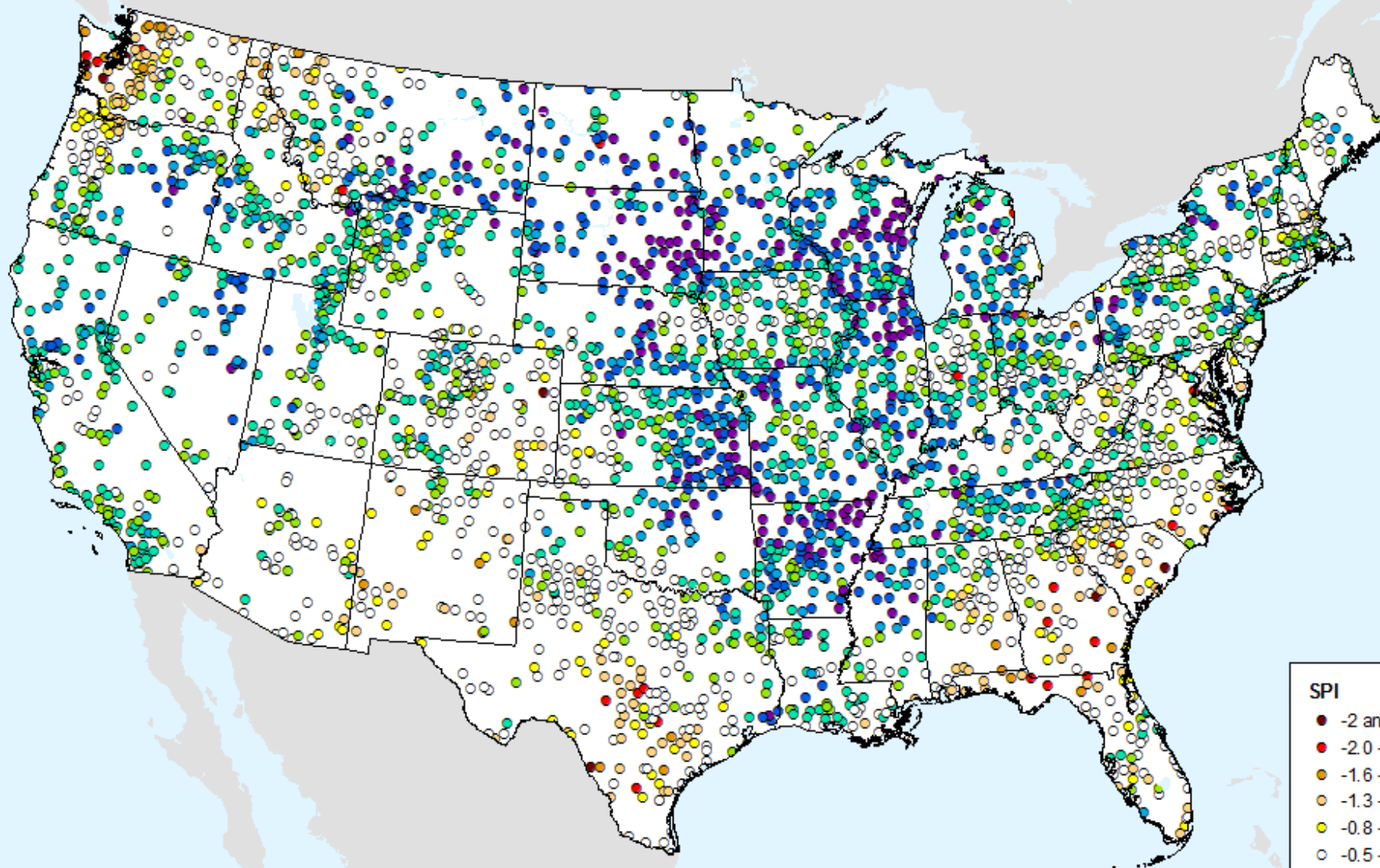
HPRCC Year-to-date SPI

As of: Tuesday, October 29, 2019



HPRCC Year-to-date SPI

As of: Tuesday, October 29, 2019

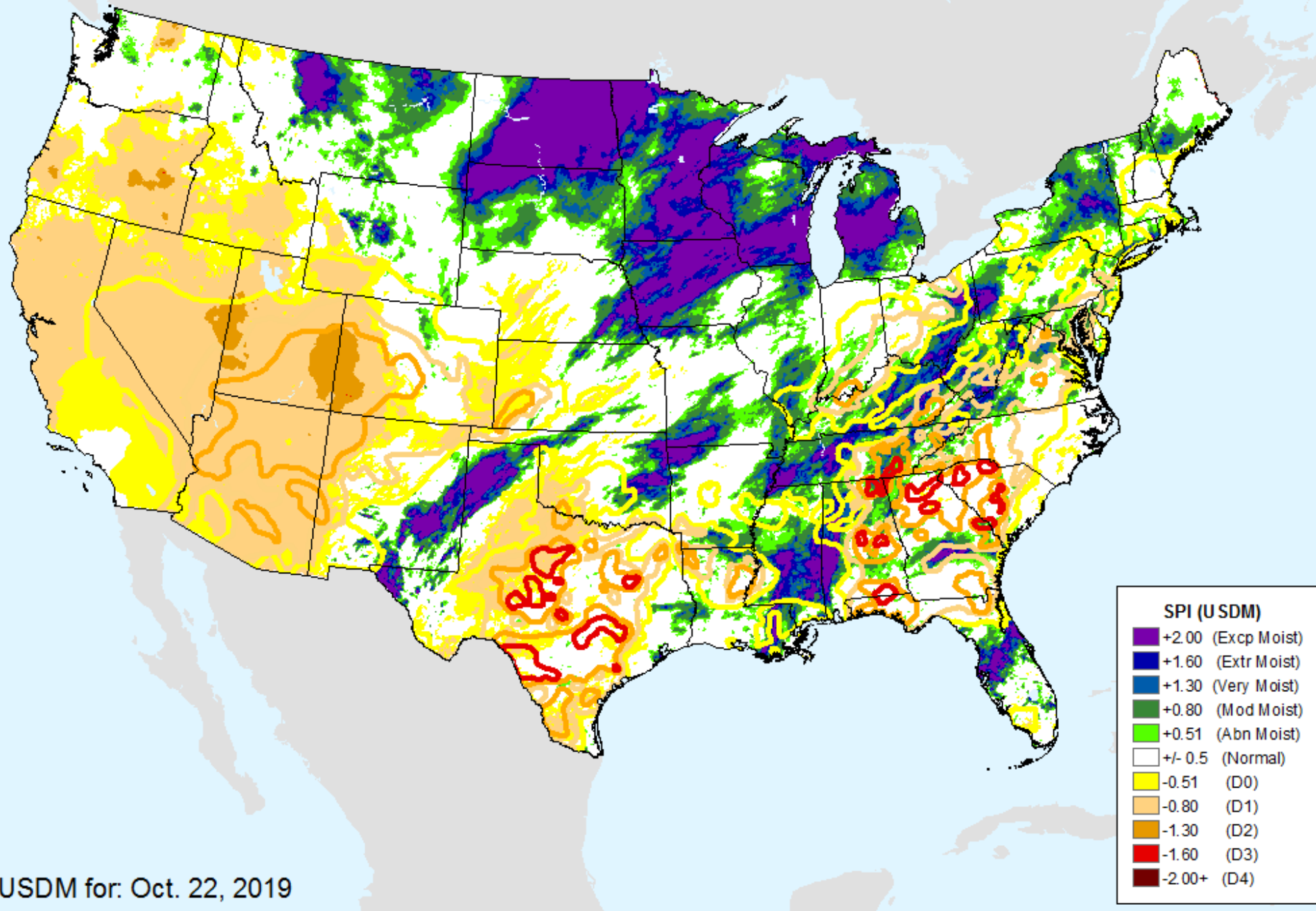


SPI

- -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

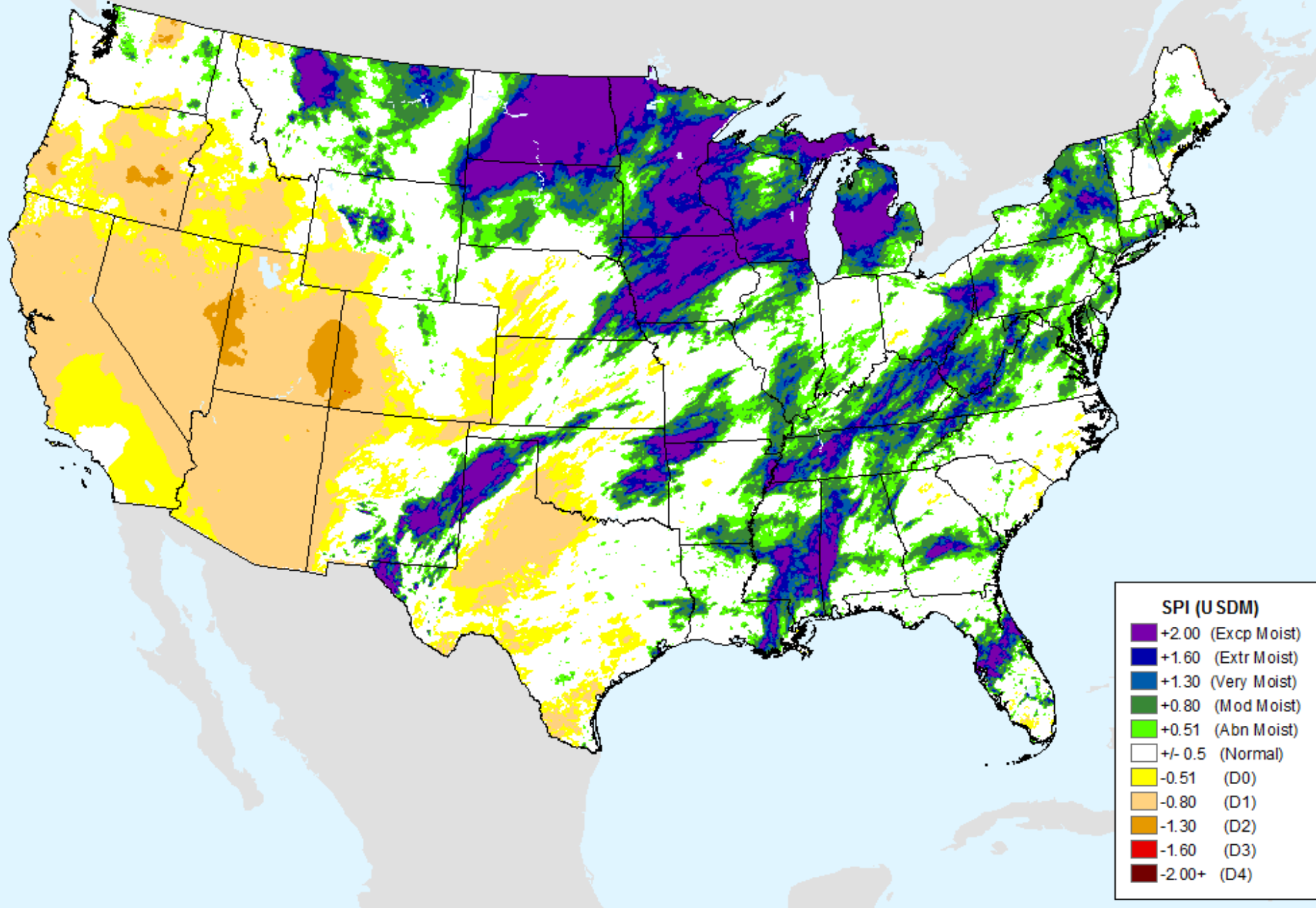
AHPS 1-month SPI

As of: Tuesday, October 29, 2019



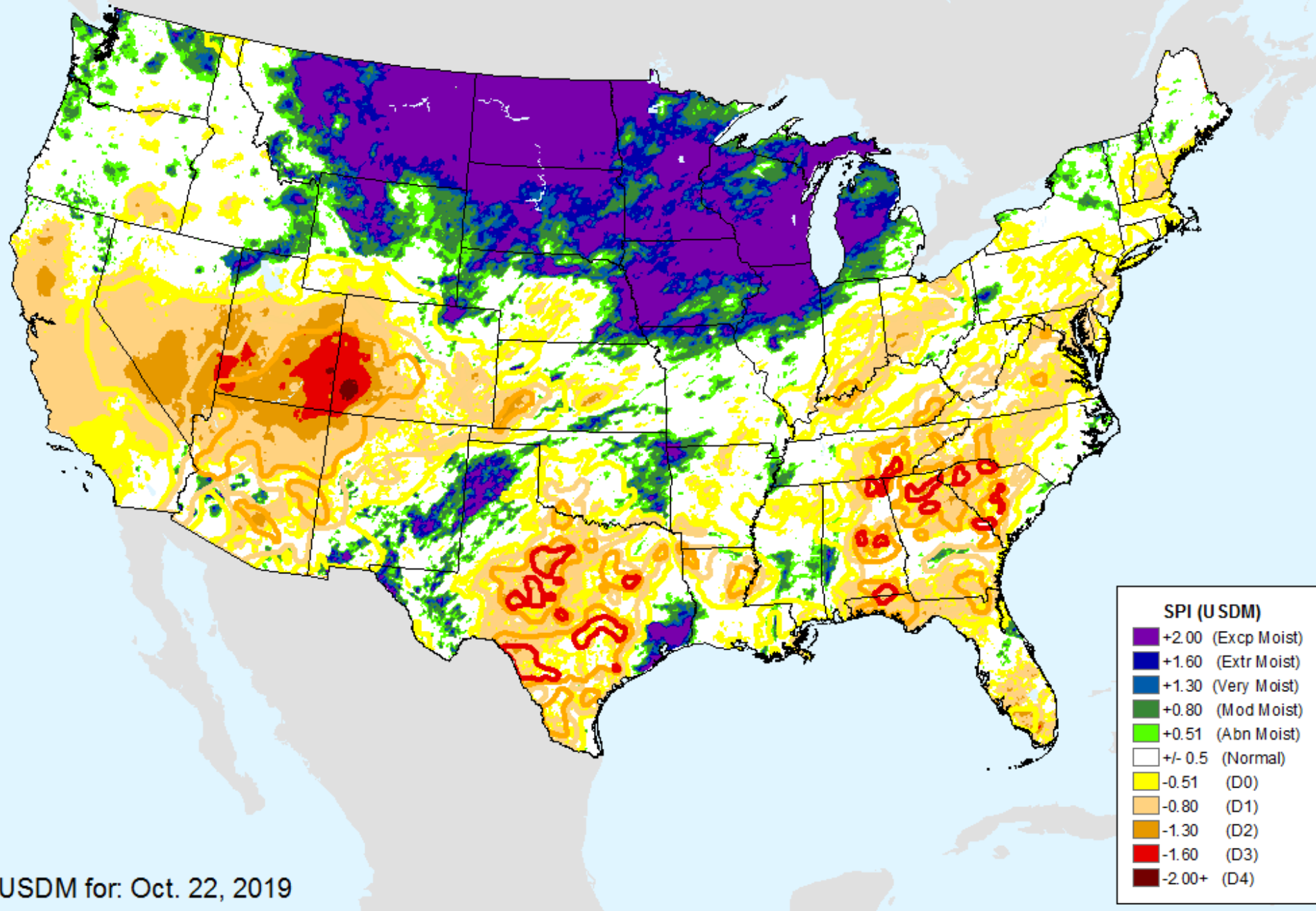
AHPS 1-month SPI

As of: Tuesday, October 29, 2019



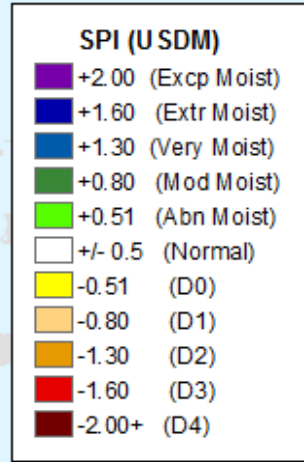
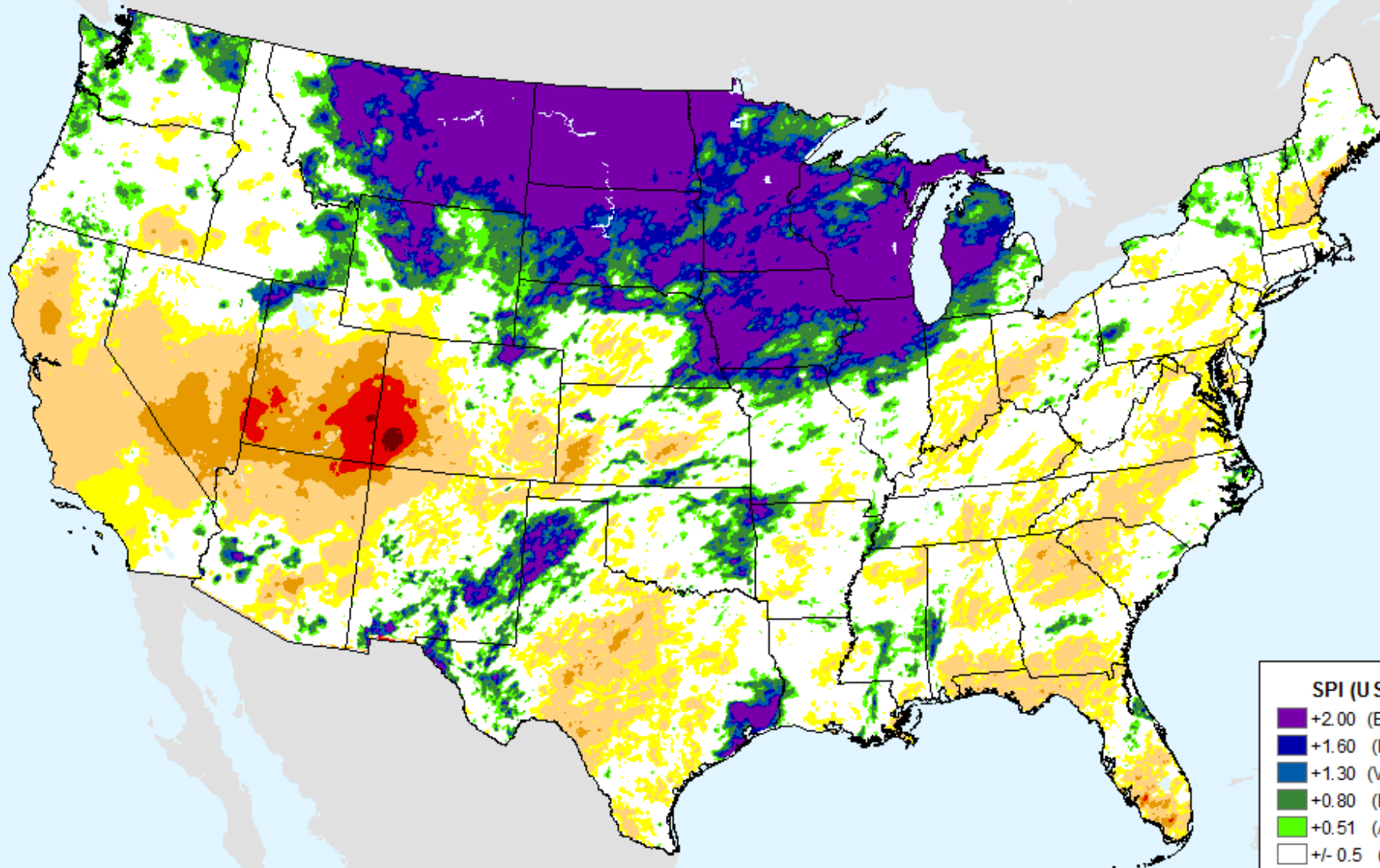
AHPS 2-month SPI

As of: Tuesday, October 29, 2019



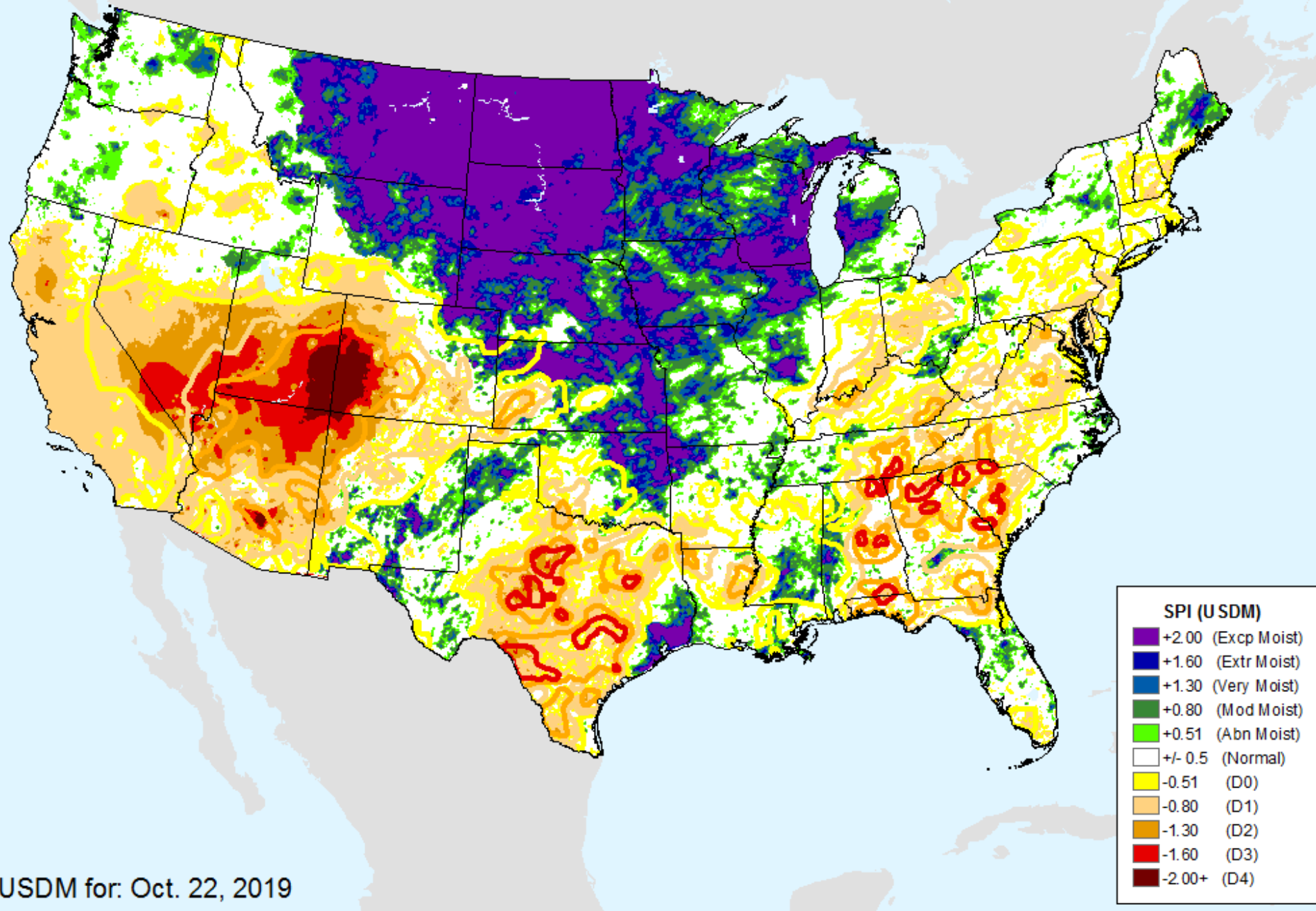
AHPS 2-month SPI

As of: Tuesday, October 29, 2019



AHPS 3-month SPI

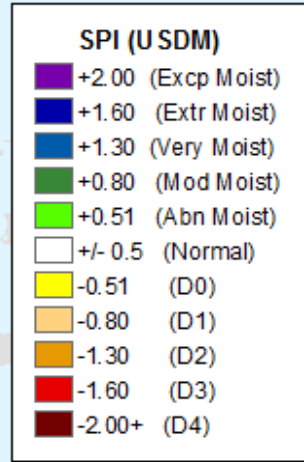
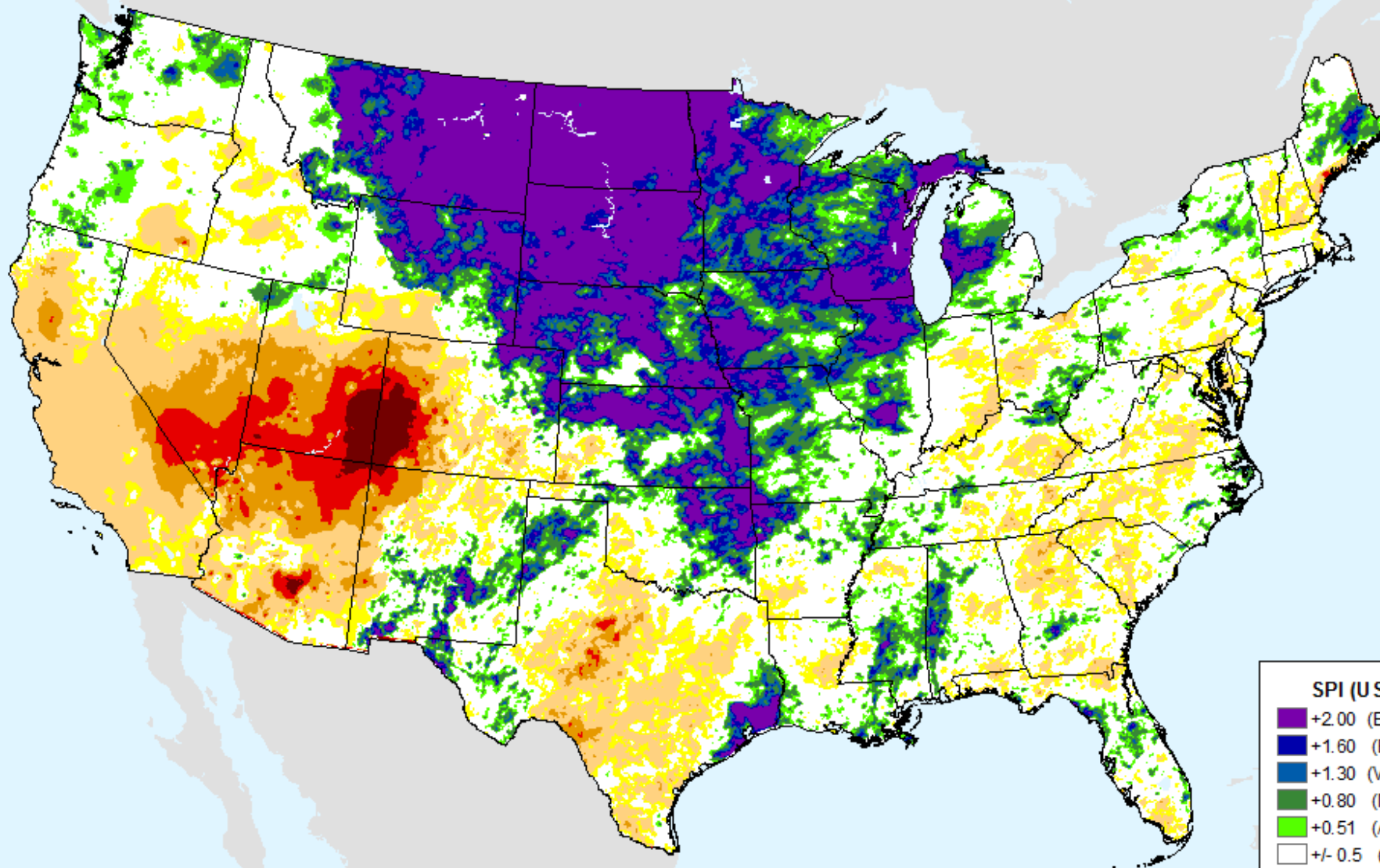
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

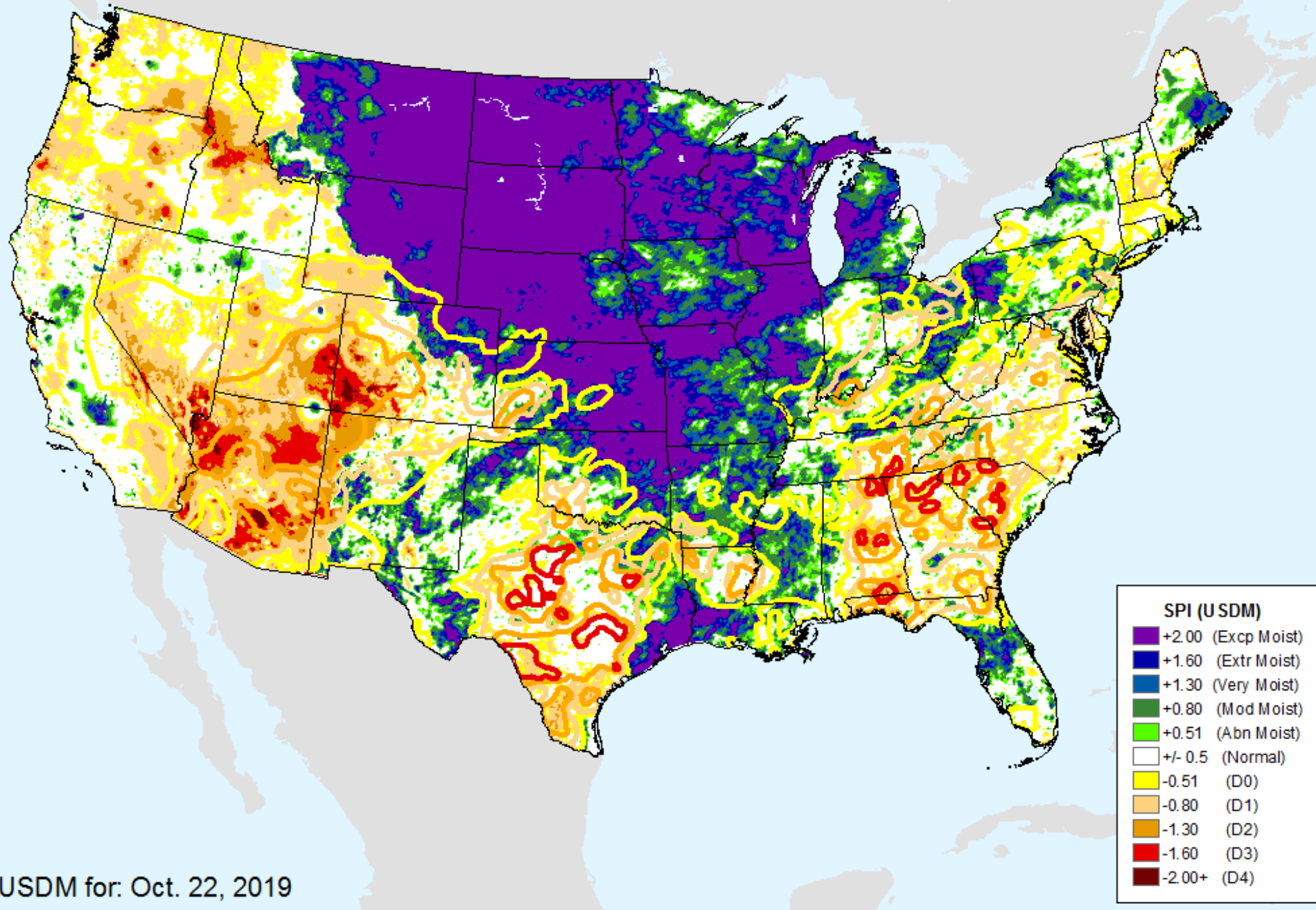
AHPS 3-month SPI

As of: Tuesday, October 29, 2019



AHPS 6-month SPI

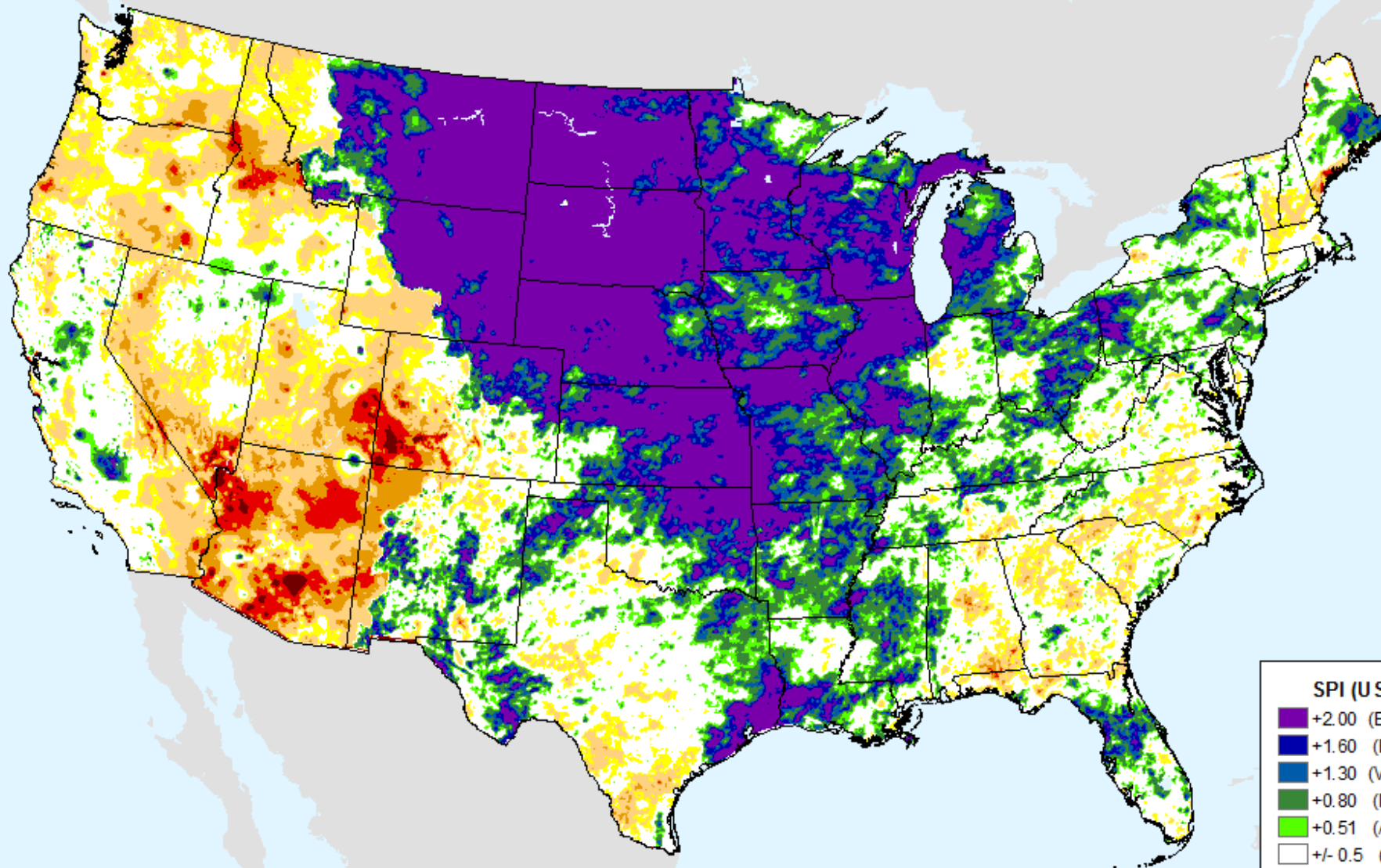
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

AHPS 6-month SPI

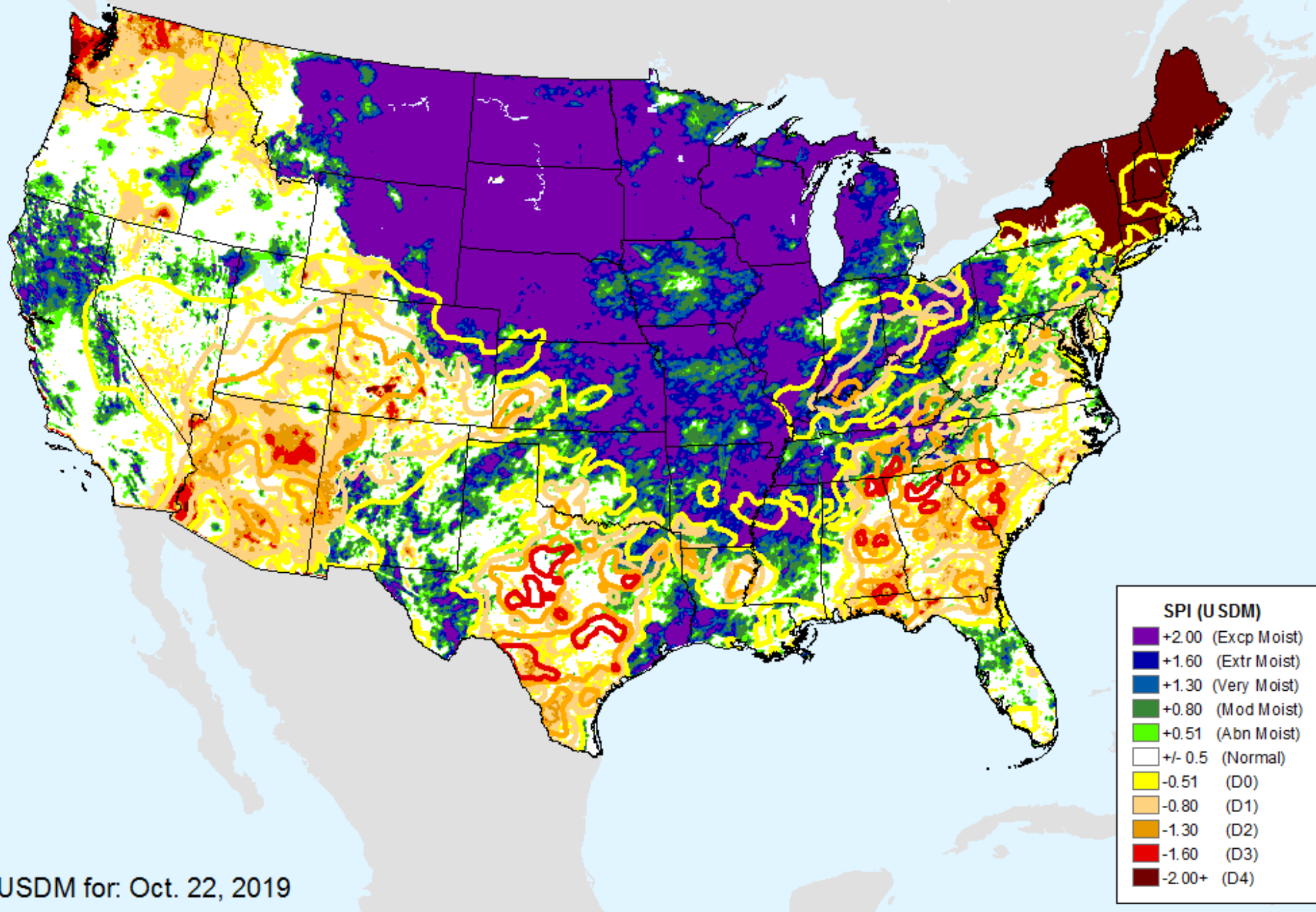
As of: Tuesday, October 29, 2019



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)

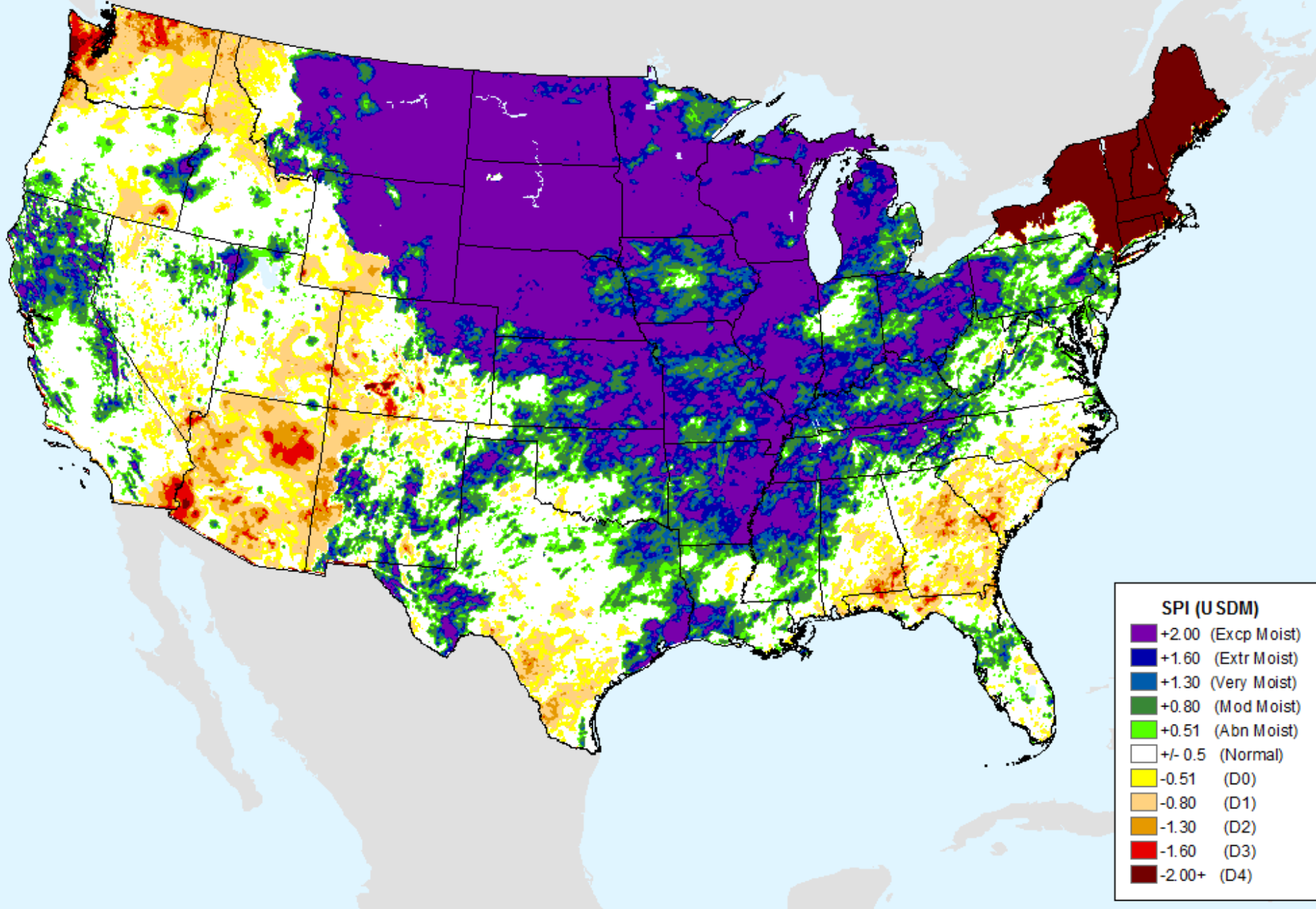
AHPS 9-month SPI

As of: Tuesday, October 29, 2019



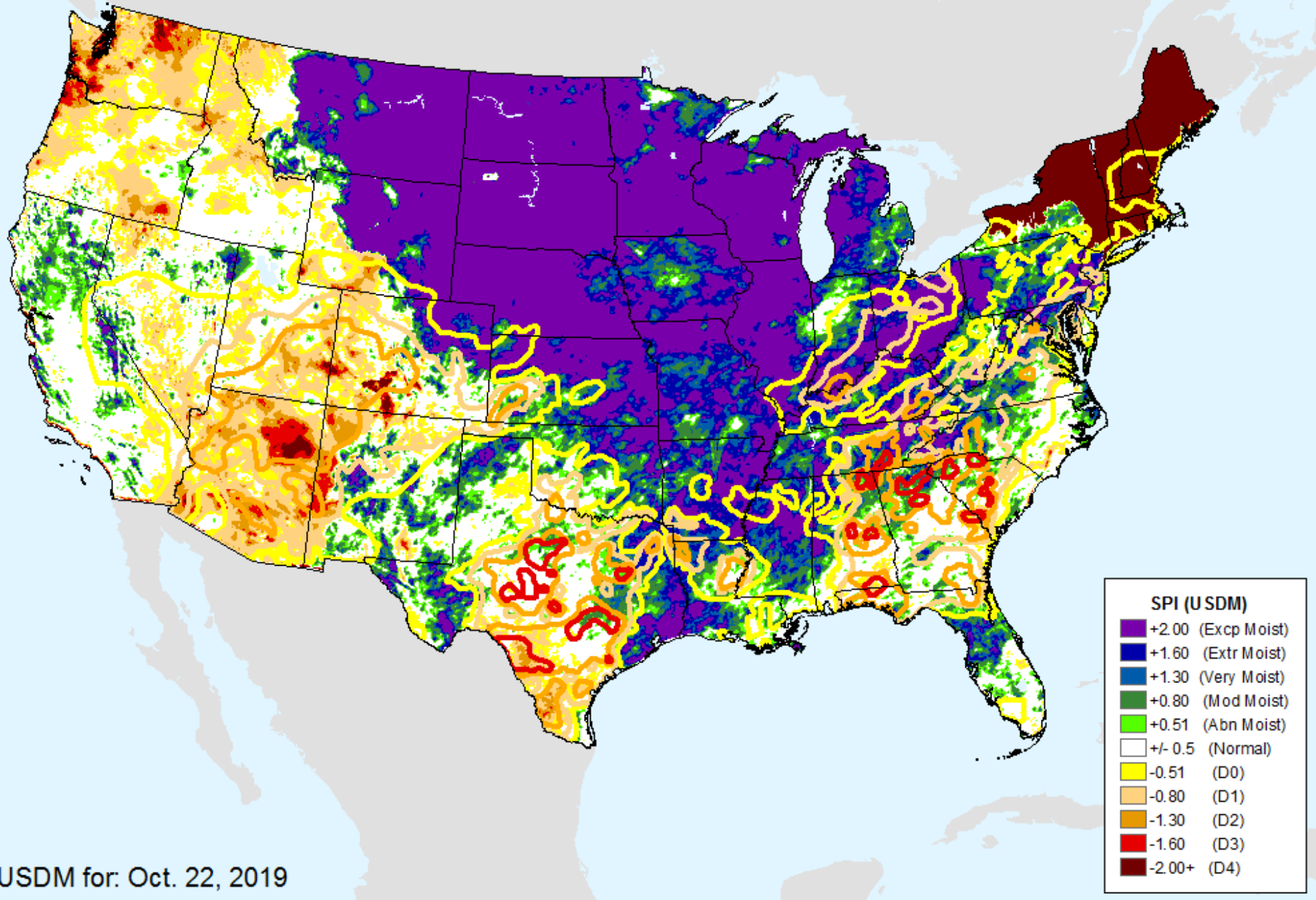
AHPS 9-month SPI

As of: Tuesday, October 29, 2019



AHPS 12-month SPI

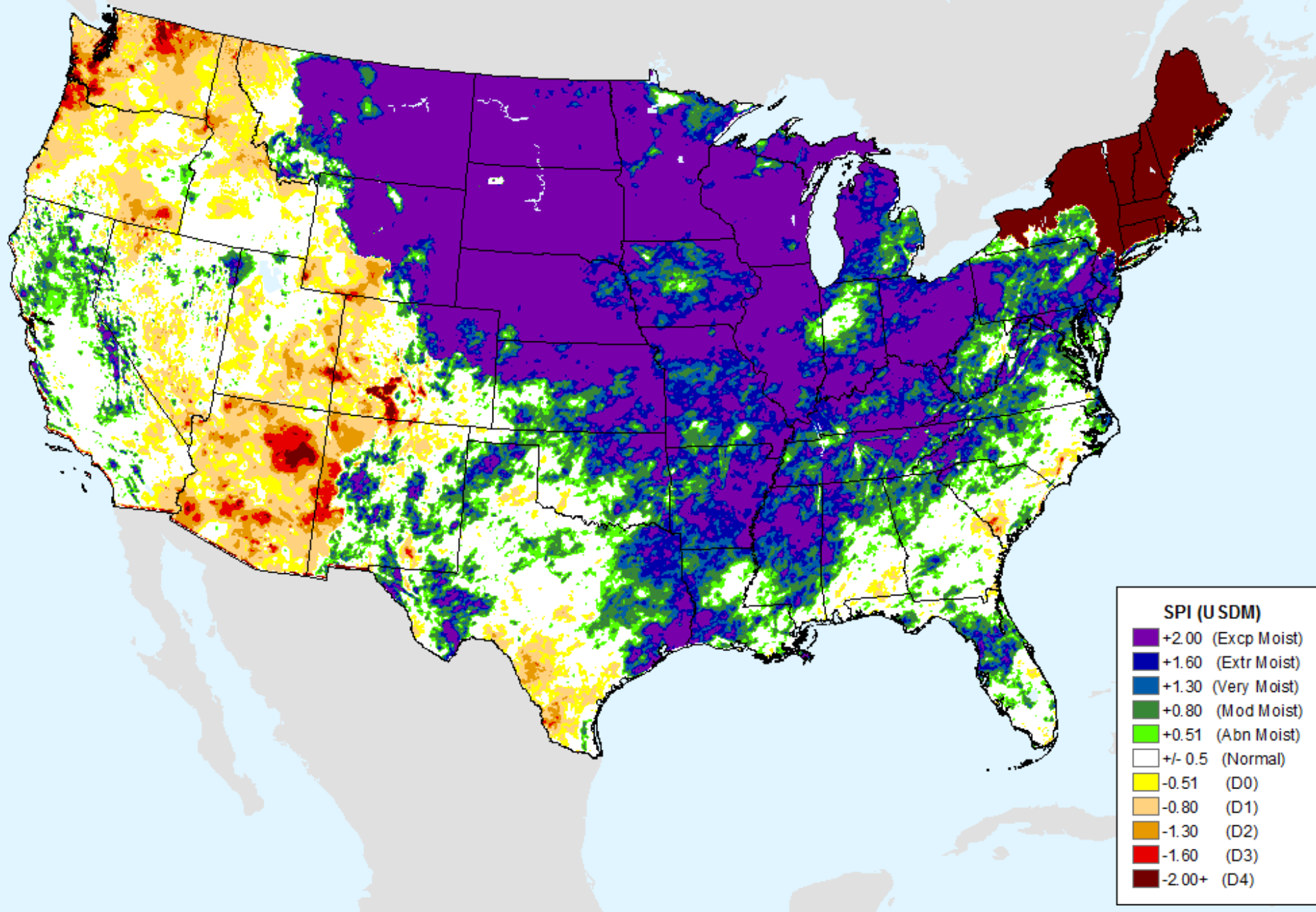
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

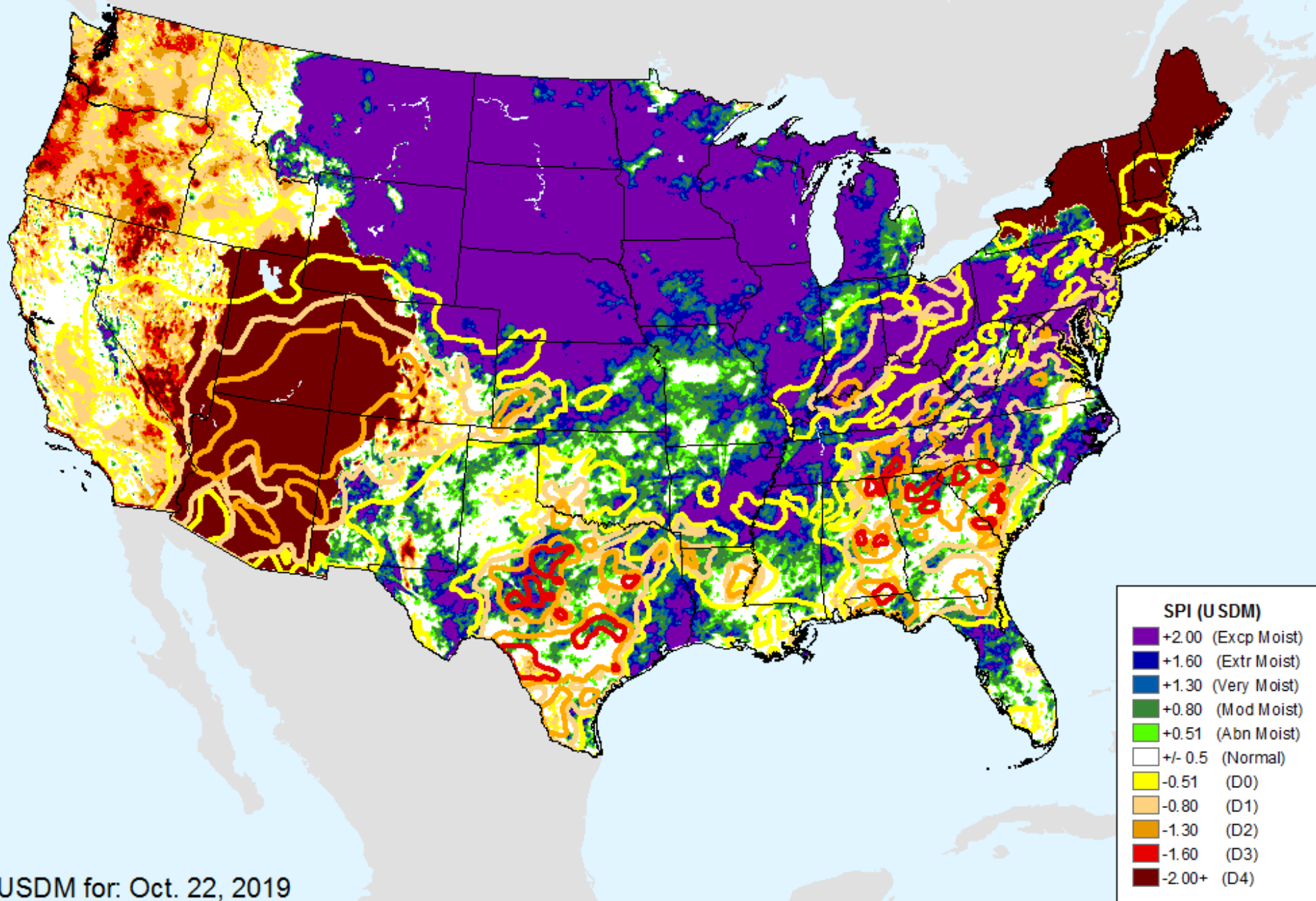
AHPS 12-month SPI

As of: Tuesday, October 29, 2019



AHPS 24-month SPI

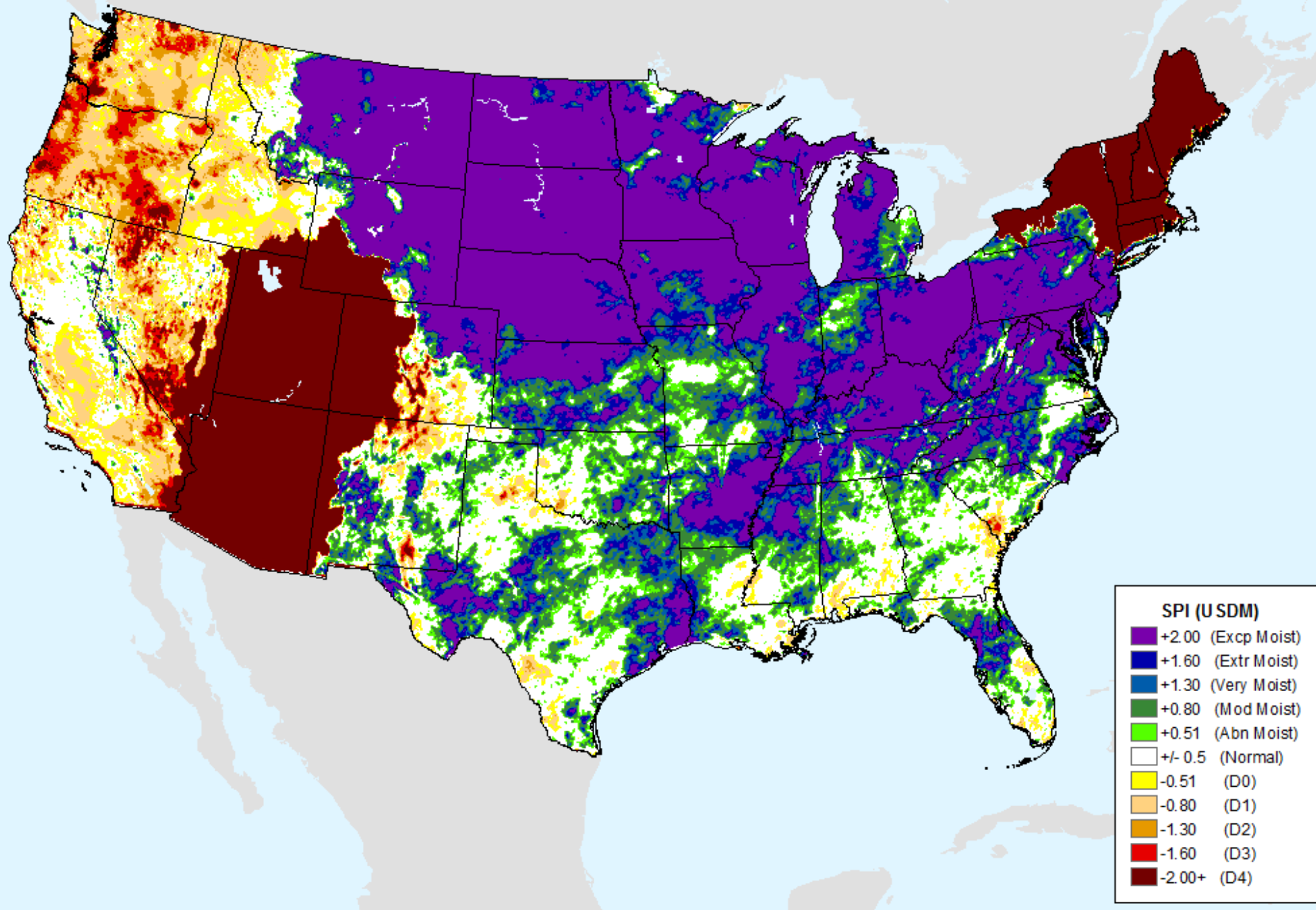
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

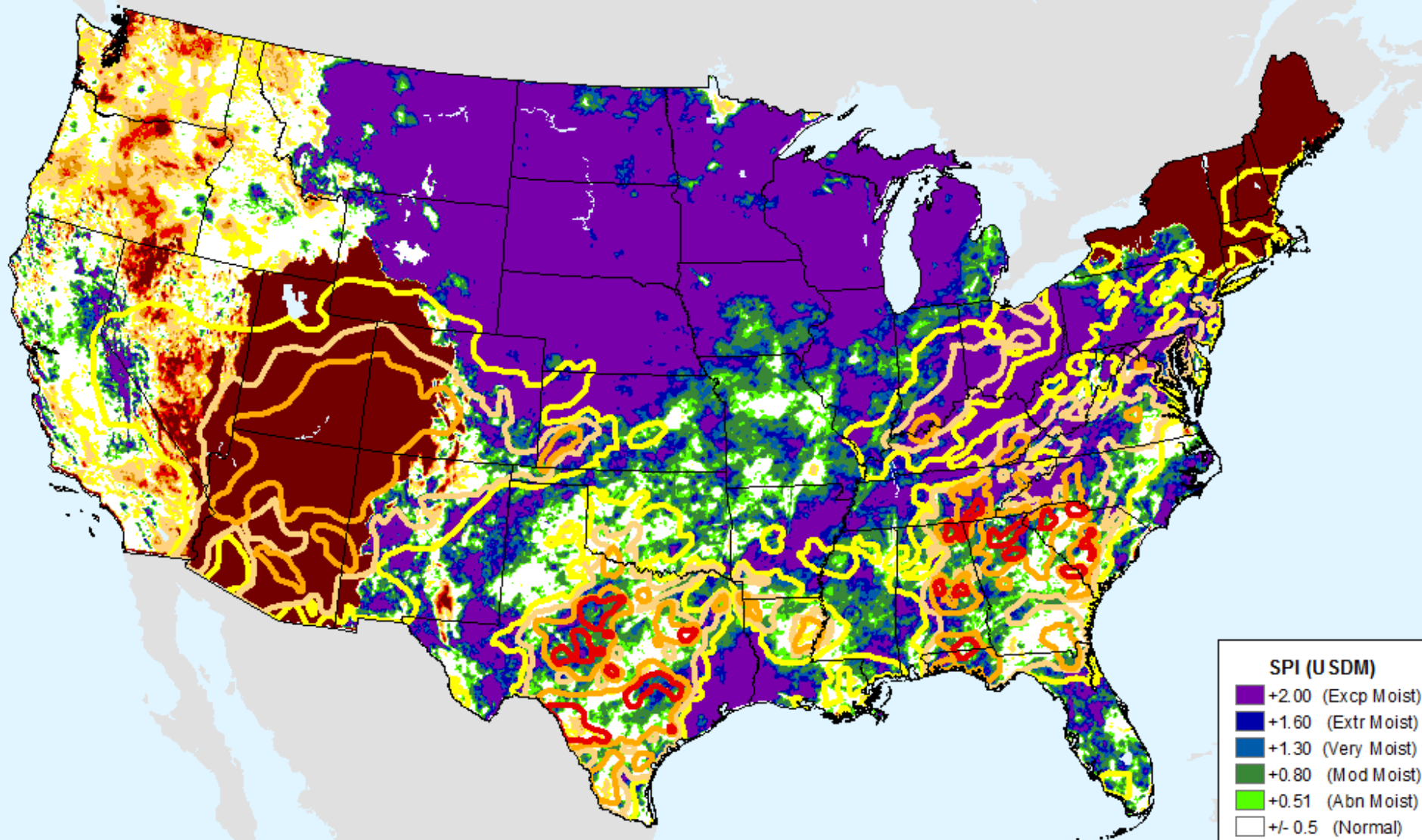
AHPS 24-month SPI

As of: Tuesday, October 29, 2019



AHPS 36-month SPI

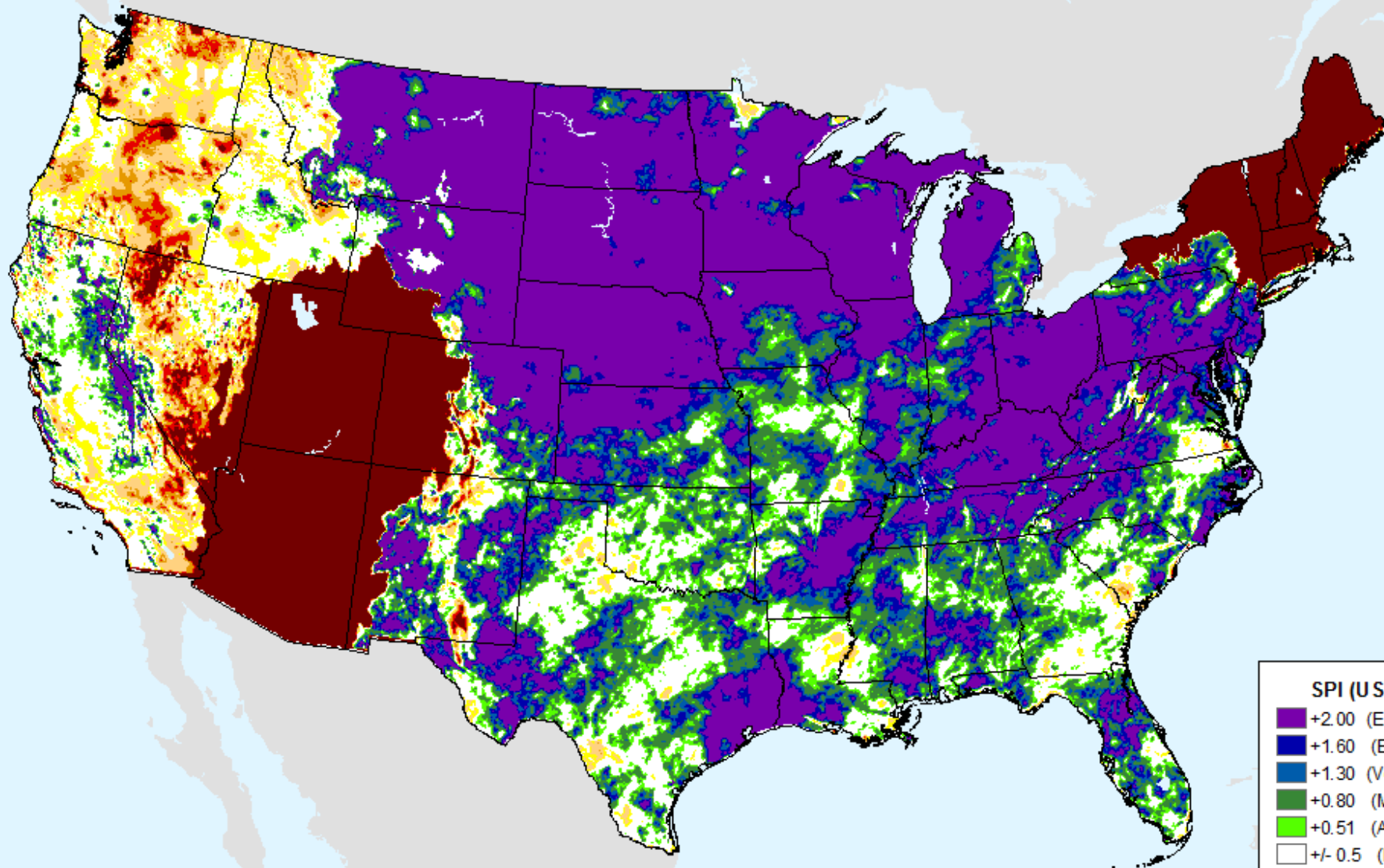
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

AHPS 36-month SPI

As of: Tuesday, October 29, 2019

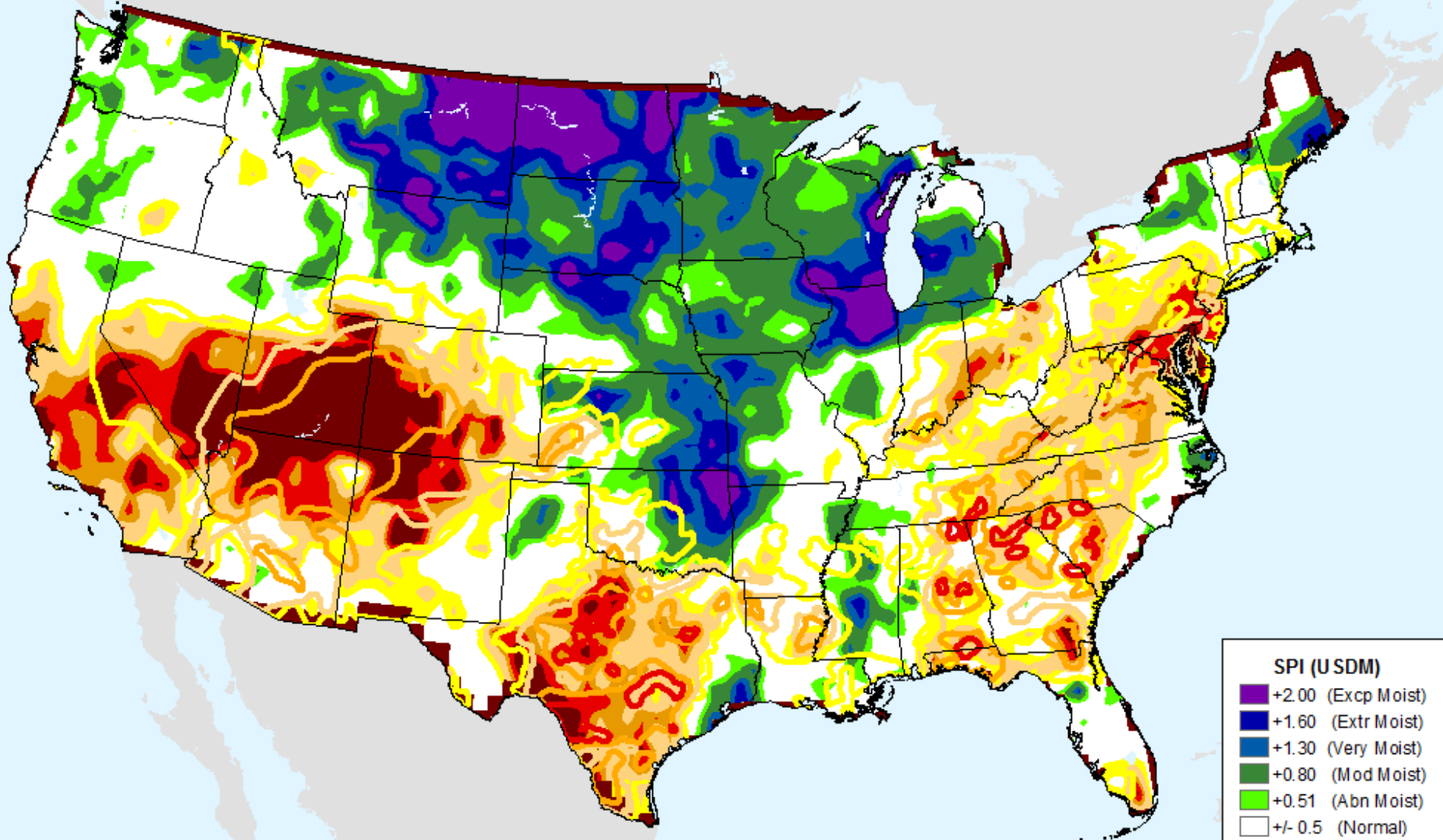


SPI (USDM)

Dark Purple	+2.00	(Excp Moist)
Blue	+1.60	(Extr Moist)
Dark Blue	+1.30	(Very Moist)
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)

CPC 3-month SPI

As of: Tuesday, October 29, 2019

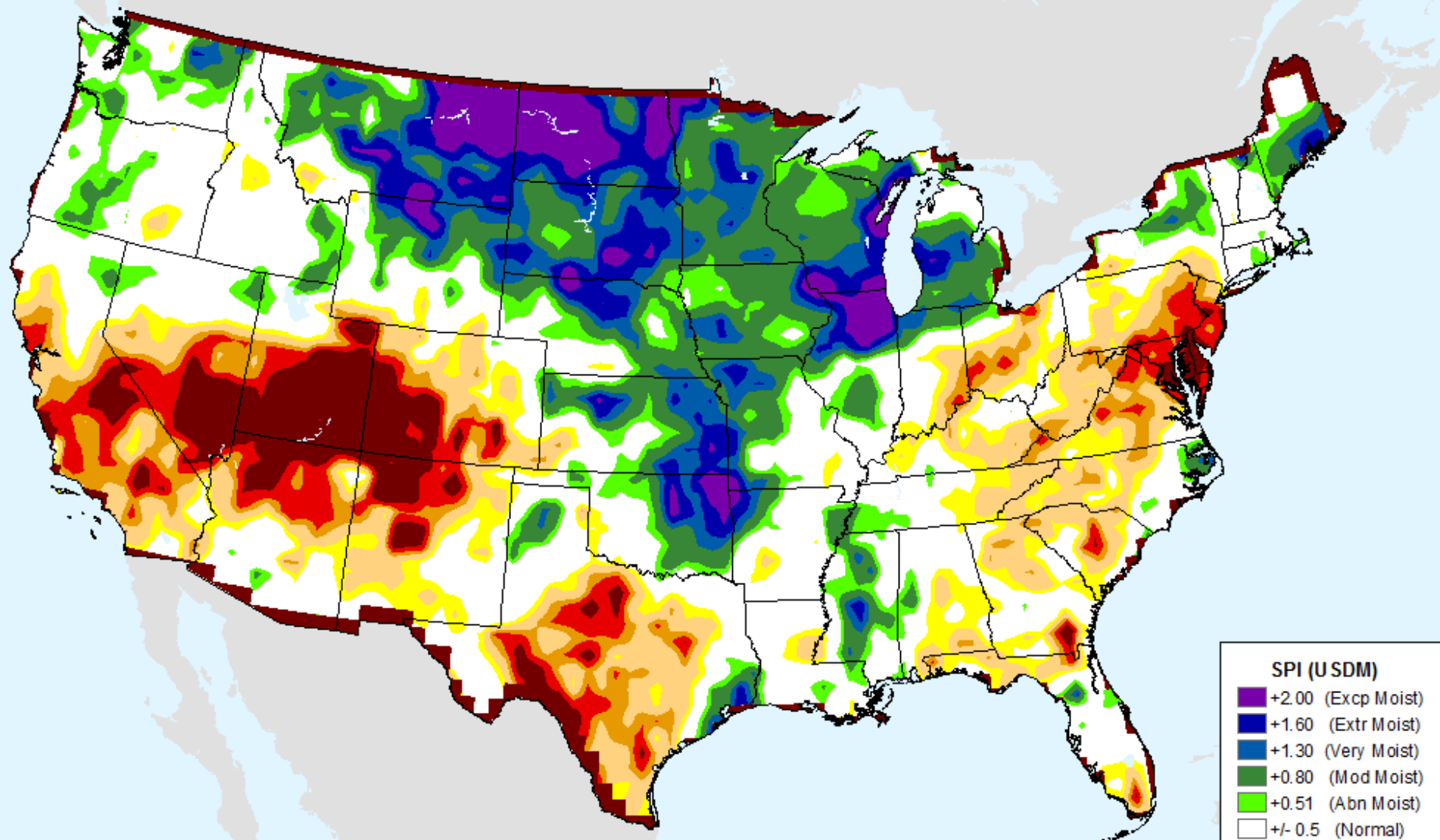


SPI (USDM)	
Dark Purple	+2.00 (Excp Moist)
Dark Blue	+1.60 (Extr Moist)
Blue	+1.30 (Very Moist)
Green	+0.80 (Mod Moist)
Light Green	+0.51 (Abn Moist)
White	+/- 0.5 (Normal)
Yellow	-0.51 (D0)
Light Orange	-0.80 (D1)
Orange	-1.30 (D2)
Red	-1.60 (D3)
Dark Red	-2.00+ (D4)

USDM for: Oct. 22, 2019

CPC 3-month SPI

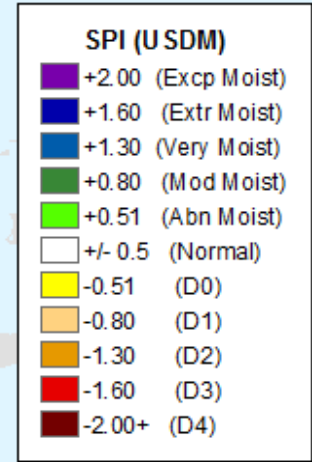
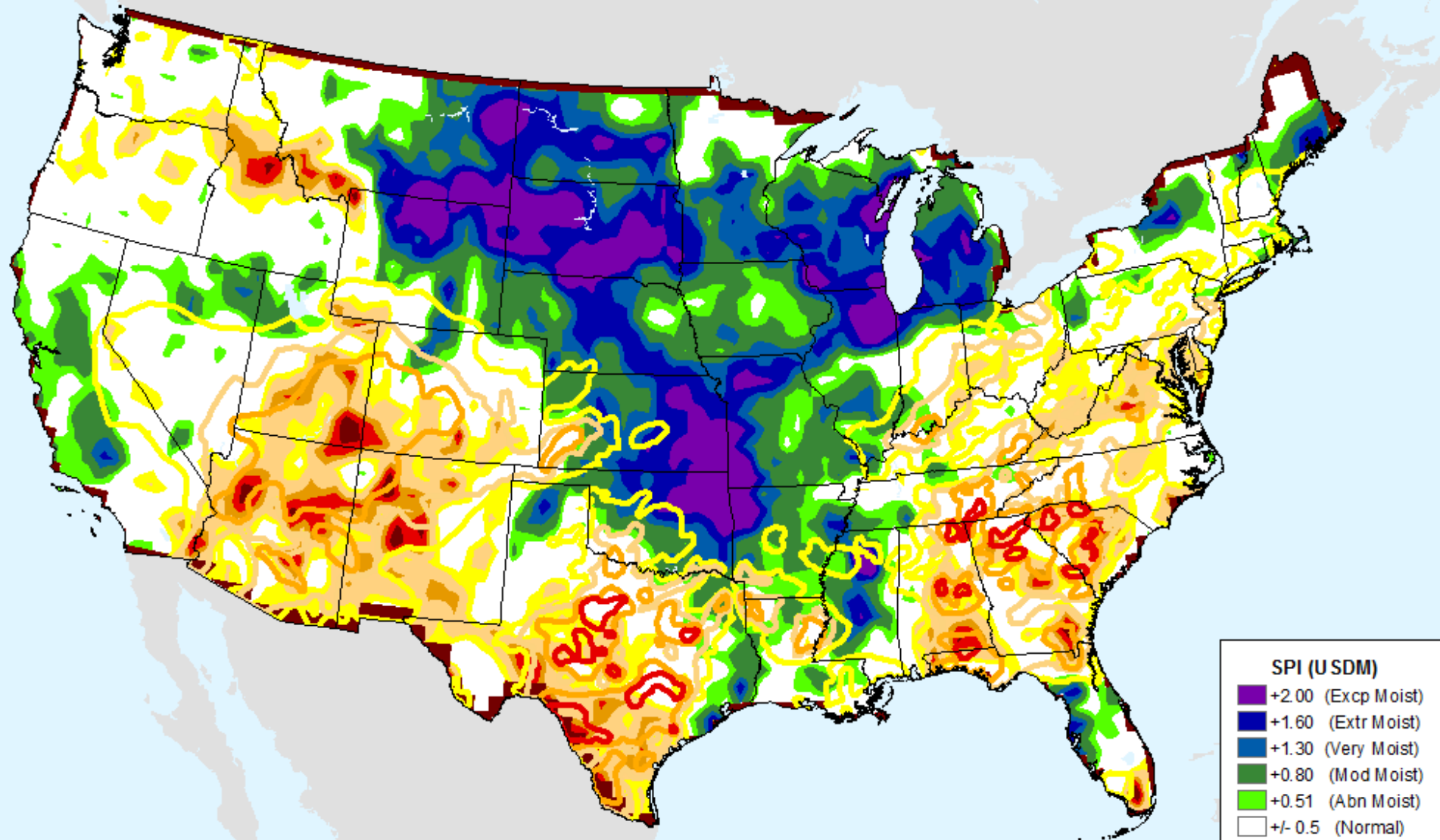
As of: Tuesday, October 29, 2019



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)
Light Orange	-0.80 (D1)
Orange	-1.30 (D2)
Red	-1.60 (D3)
Dark Red	-2.00+ (D4)

CPC 6-month SPI

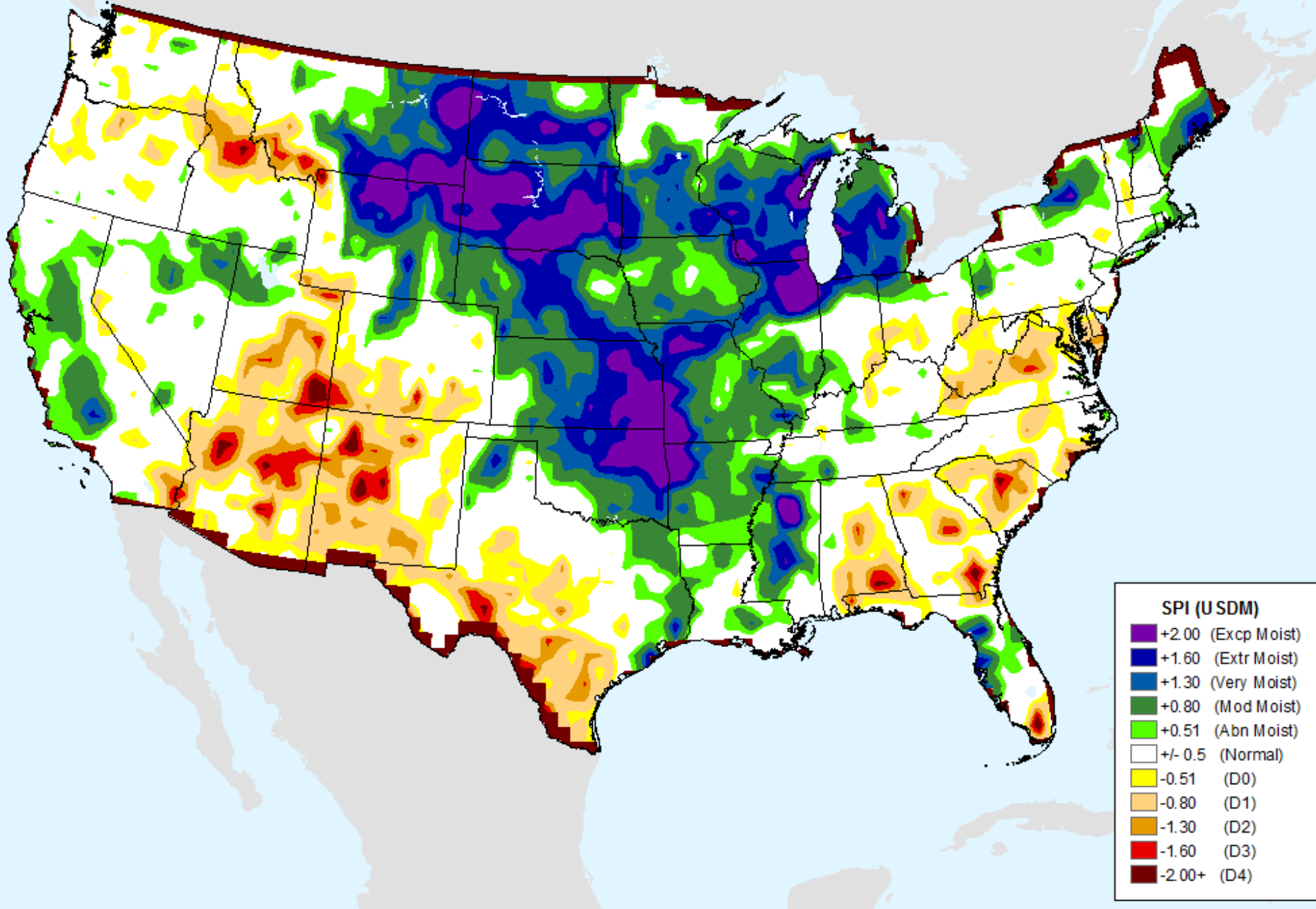
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

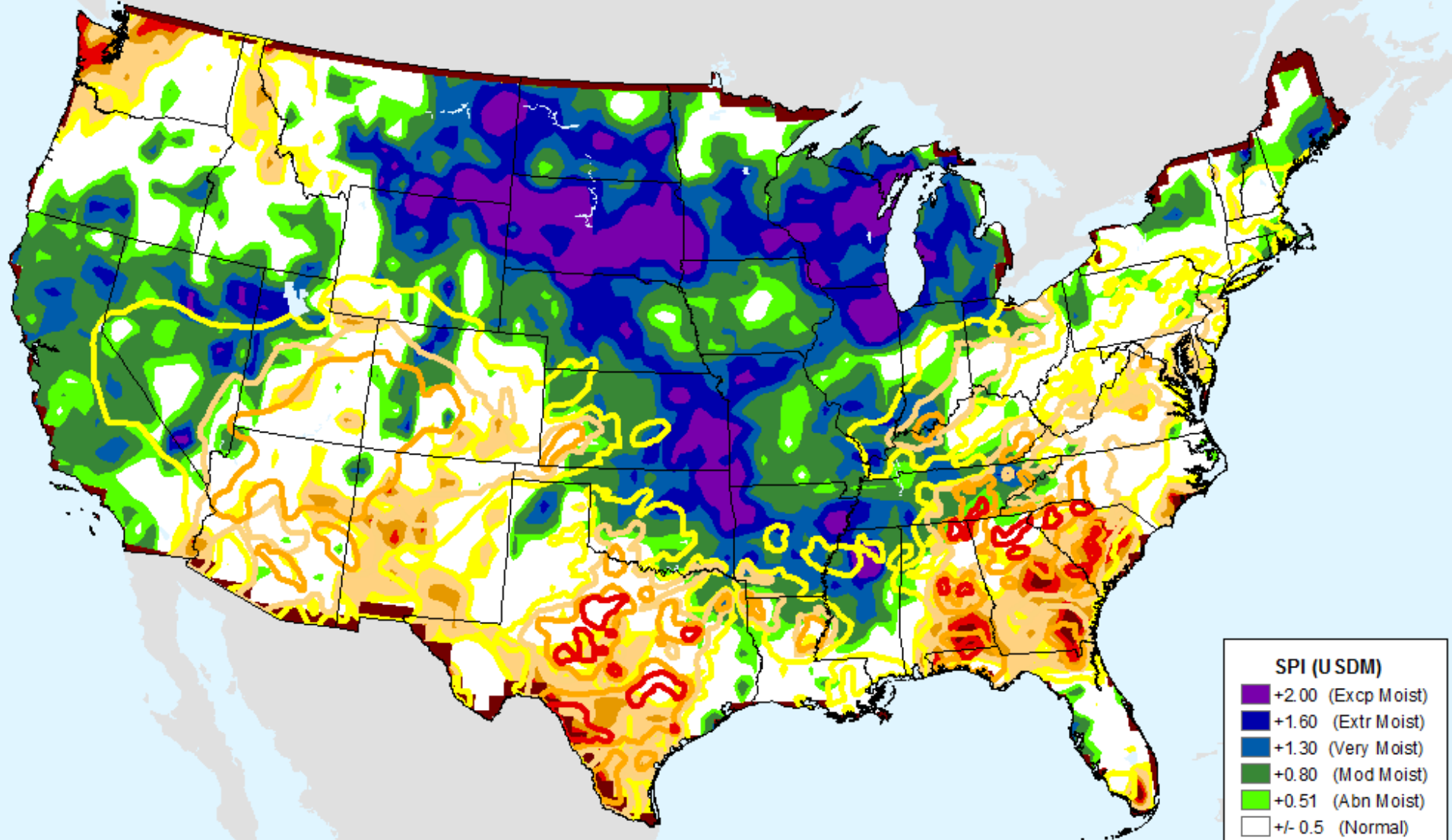
CPC 6-month SPI

As of: Tuesday, October 29, 2019



CPC 9-month SPI

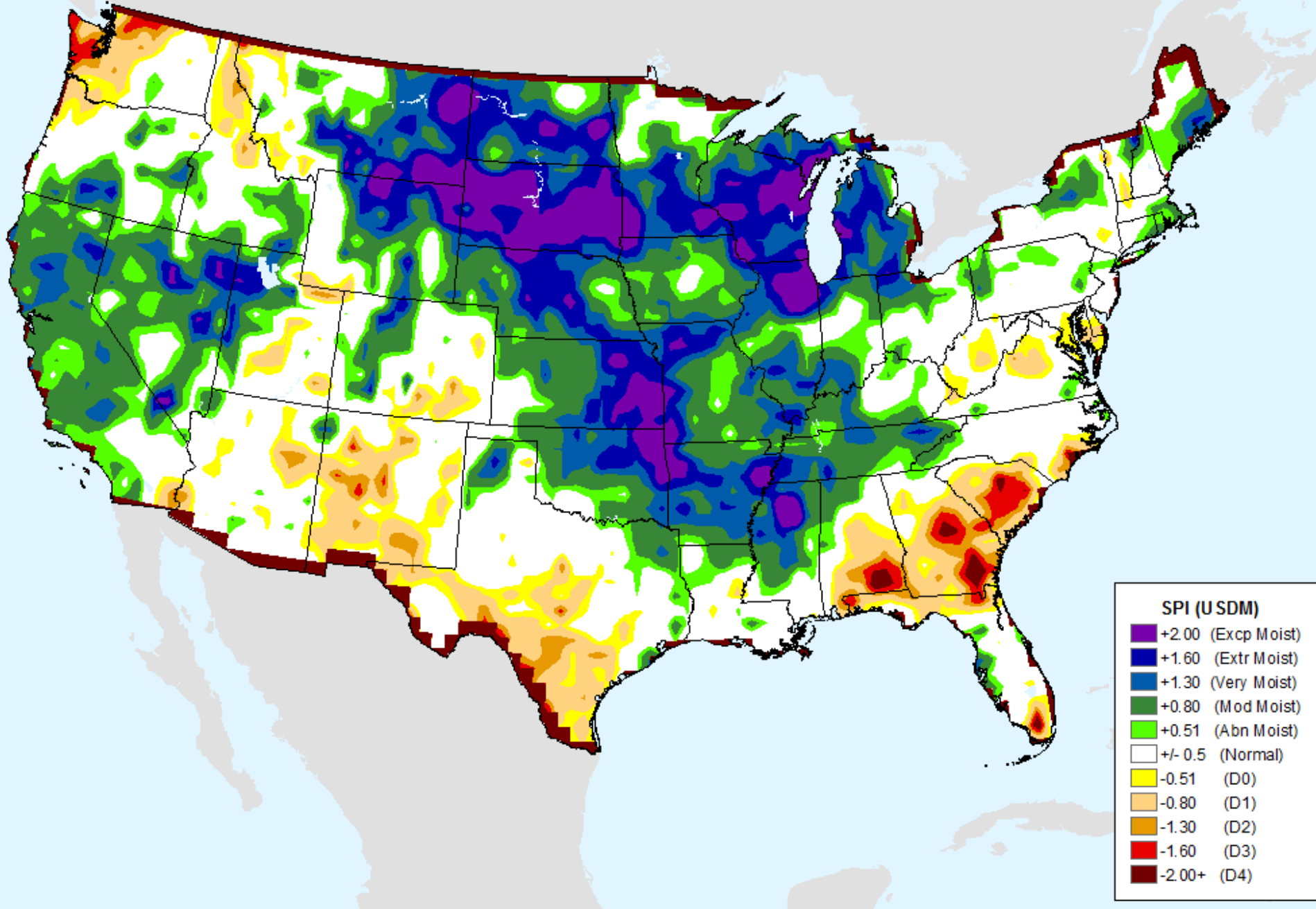
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

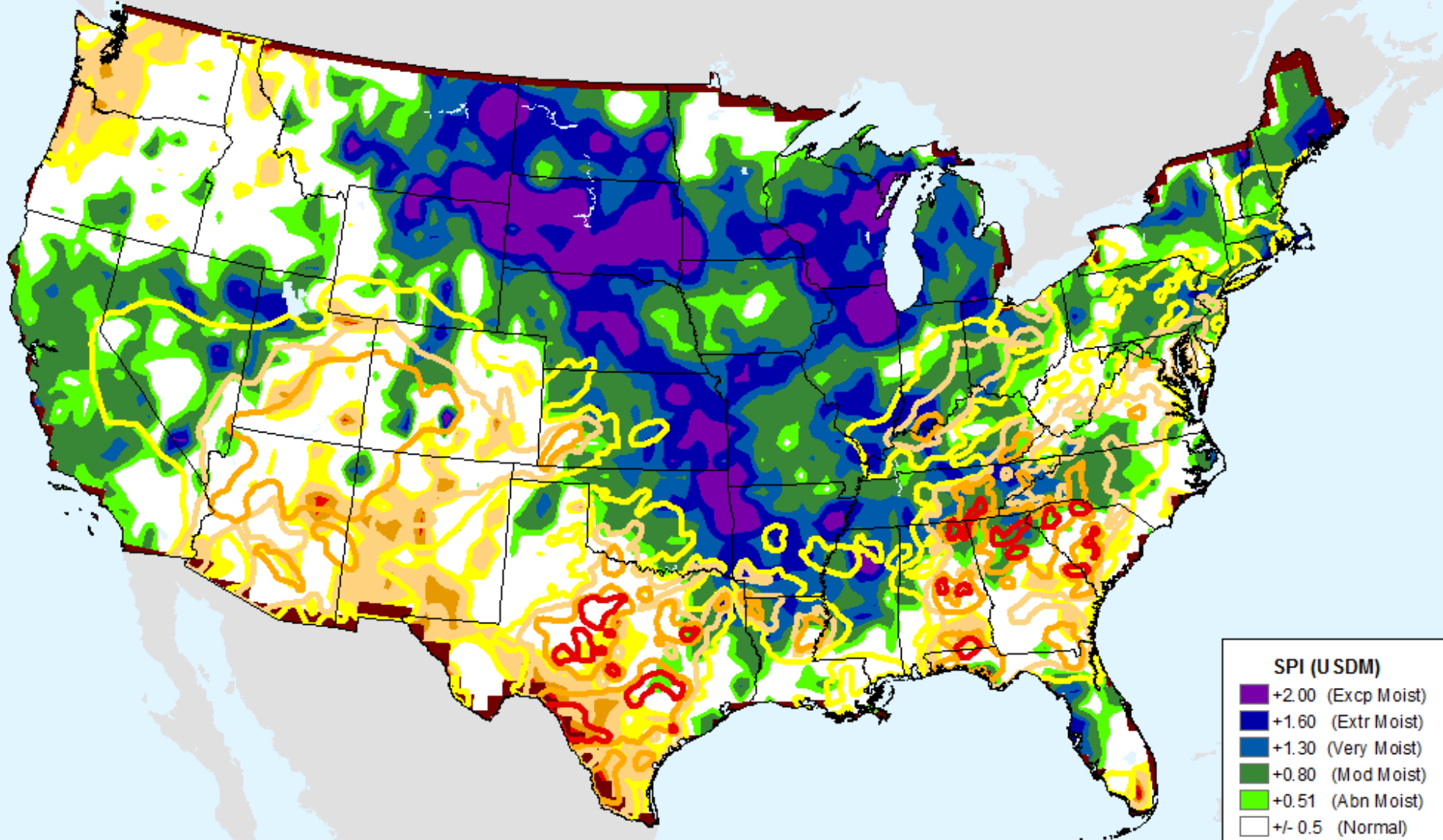
CPC 9-month SPI

As of: Tuesday, October 29, 2019



CPC 12-month SPI

As of: Tuesday, October 29, 2019

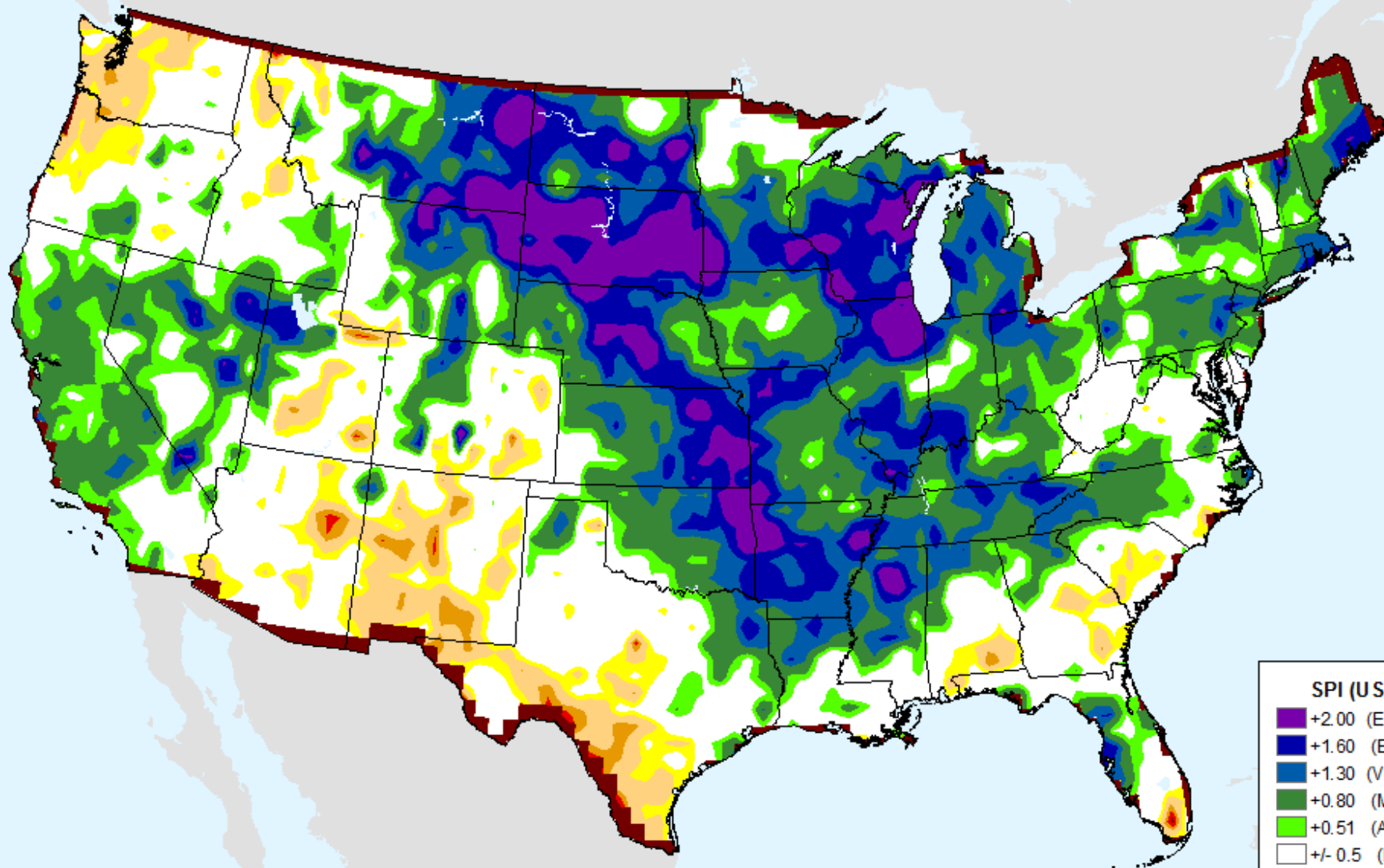


SPI (USDM)	
Dark Purple	+2.00 (Excp Moist)
Dark Blue	+1.60 (Extr Moist)
Blue	+1.30 (Very Moist)
Green	+0.80 (Mod Moist)
Light Green	+0.51 (Abn Moist)
White	+/- 0.5 (Normal)
Yellow	-0.51 (D0)
Light Orange	-0.80 (D1)
Orange	-1.30 (D2)
Red	-1.60 (D3)
Dark Red	-2.00+ (D4)

USDM for: Oct. 22, 2019

CPC 12-month SPI

As of: Tuesday, October 29, 2019

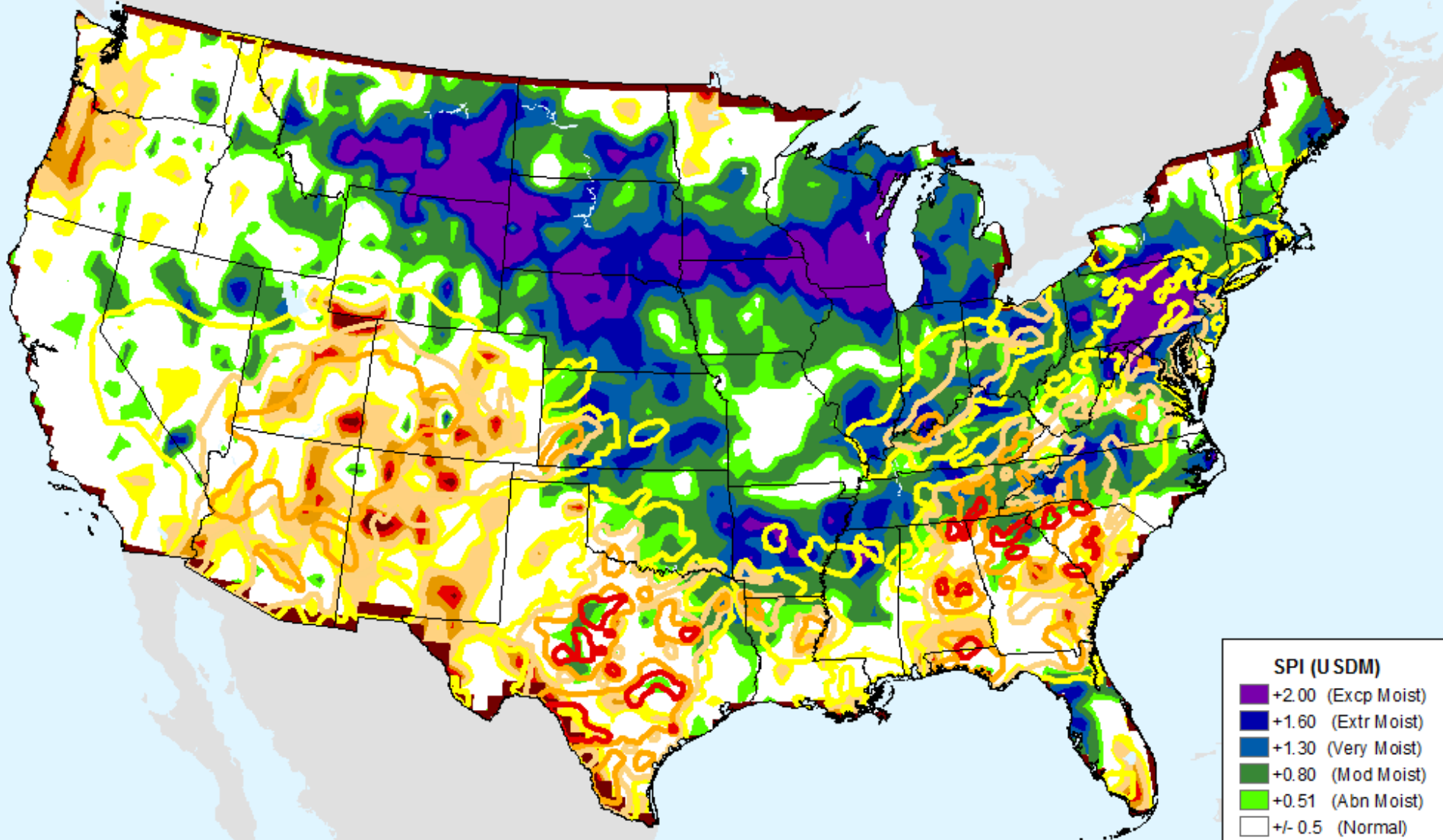


SPI (USDM)

- +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)

CPC 24-month SPI

As of: Tuesday, October 29, 2019

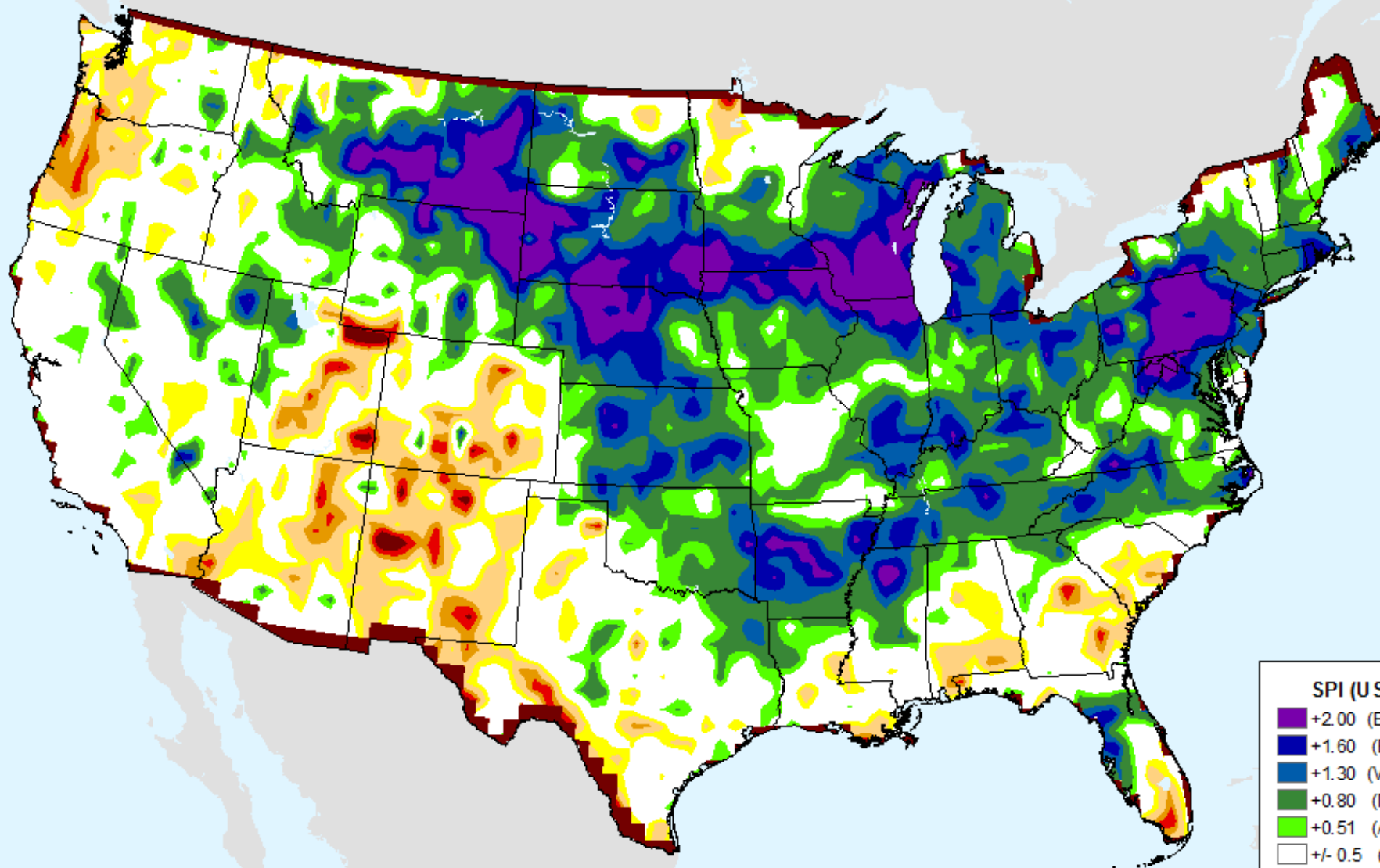


SPI (USDM)	
Dark Purple	+2.00 (Excp Moist)
Dark Blue	+1.60 (Extr Moist)
Blue	+1.30 (Very Moist)
Green	+0.80 (Mod Moist)
Light Green	+0.51 (Abn Moist)
White	+/- 0.5 (Normal)
Yellow	-0.51 (D0)
Light Orange	-0.80 (D1)
Orange	-1.30 (D2)
Red	-1.60 (D3)
Dark Red	-2.00+ (D4)

USDM for: Oct. 22, 2019

CPC 24-month SPI

As of: Tuesday, October 29, 2019

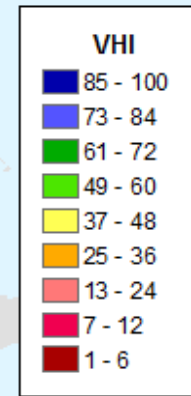
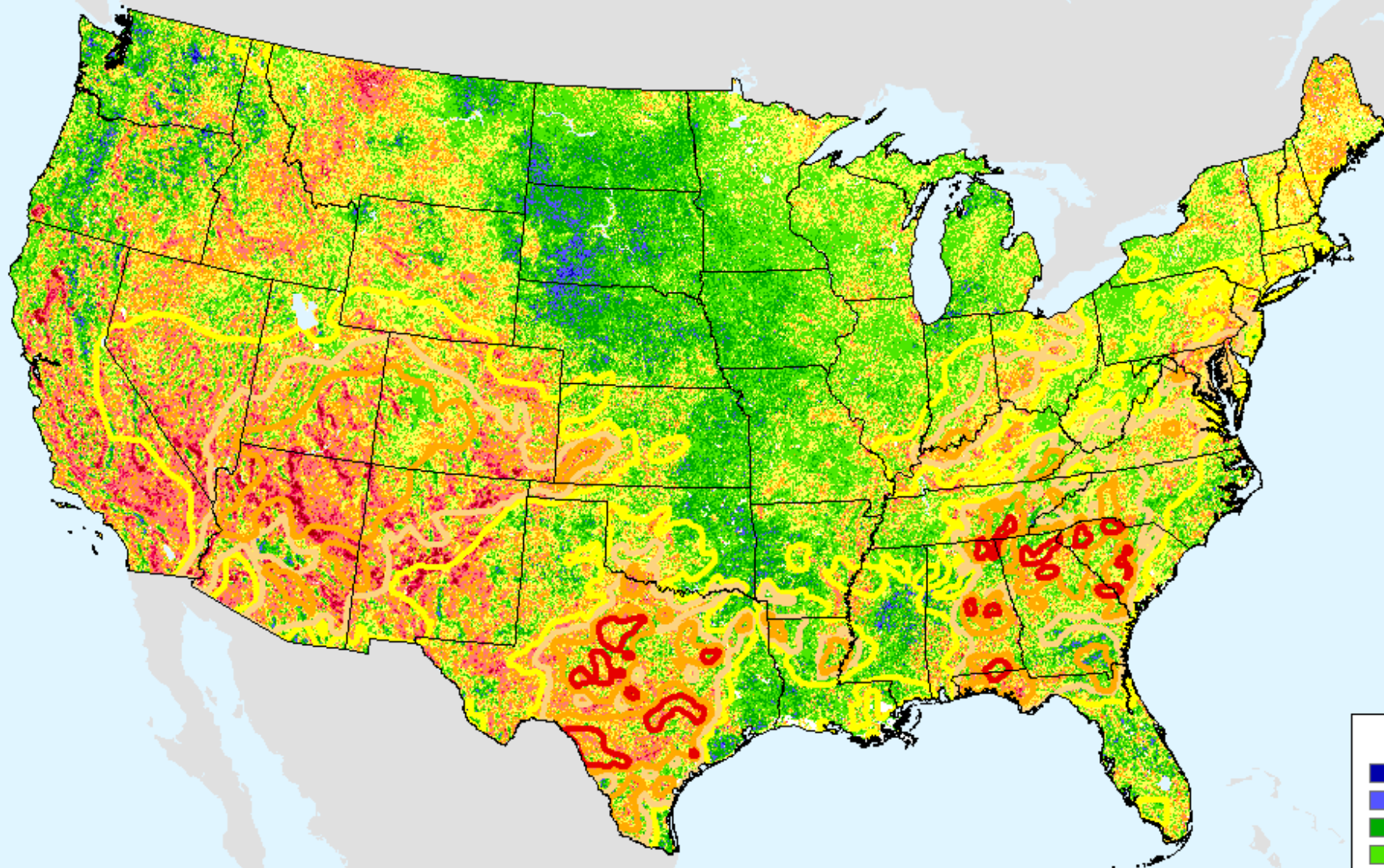


SPI (USDM)

- +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)

Vegetation Health Index

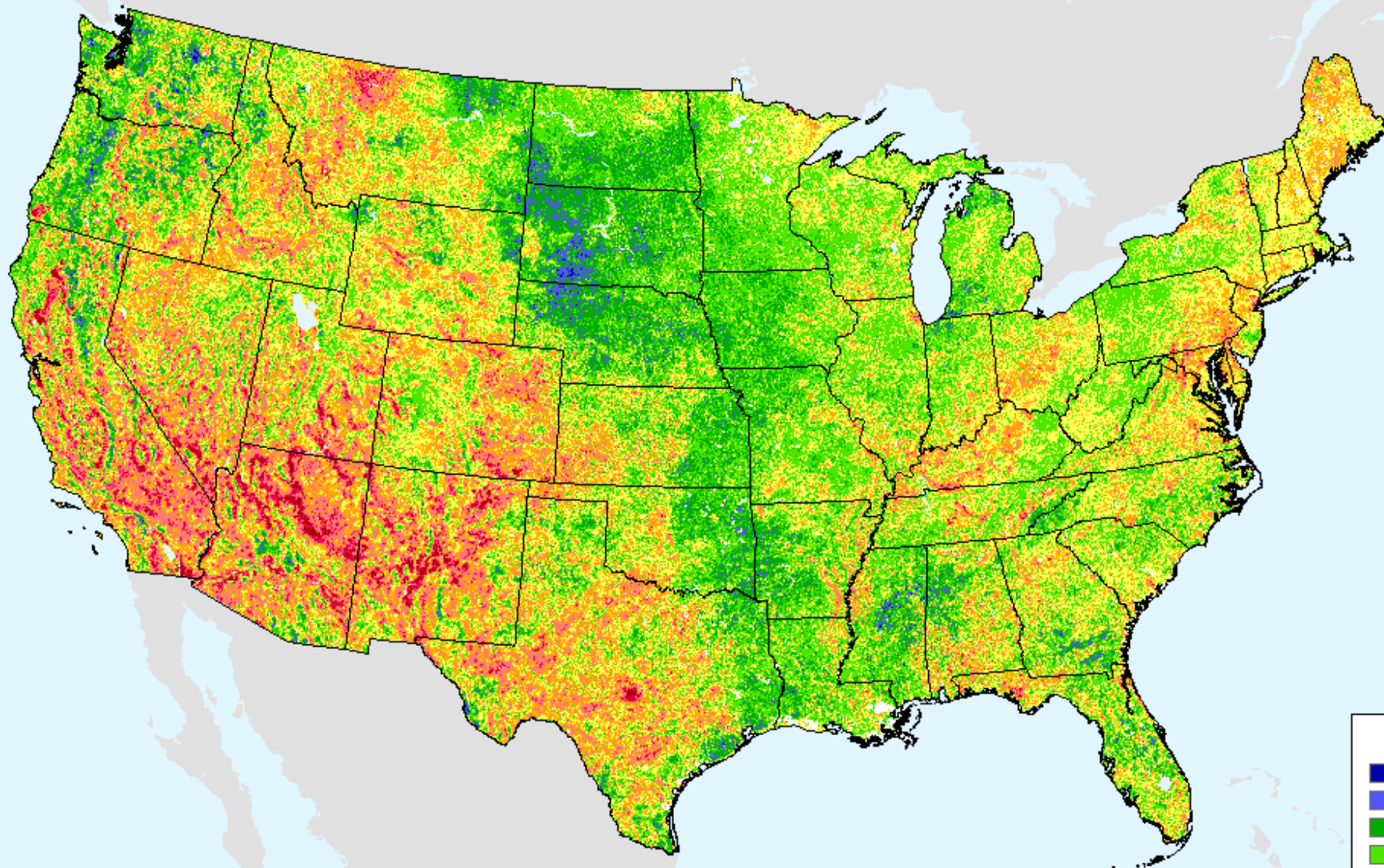
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

Vegetation Health Index

As of: Tuesday, October 29, 2019

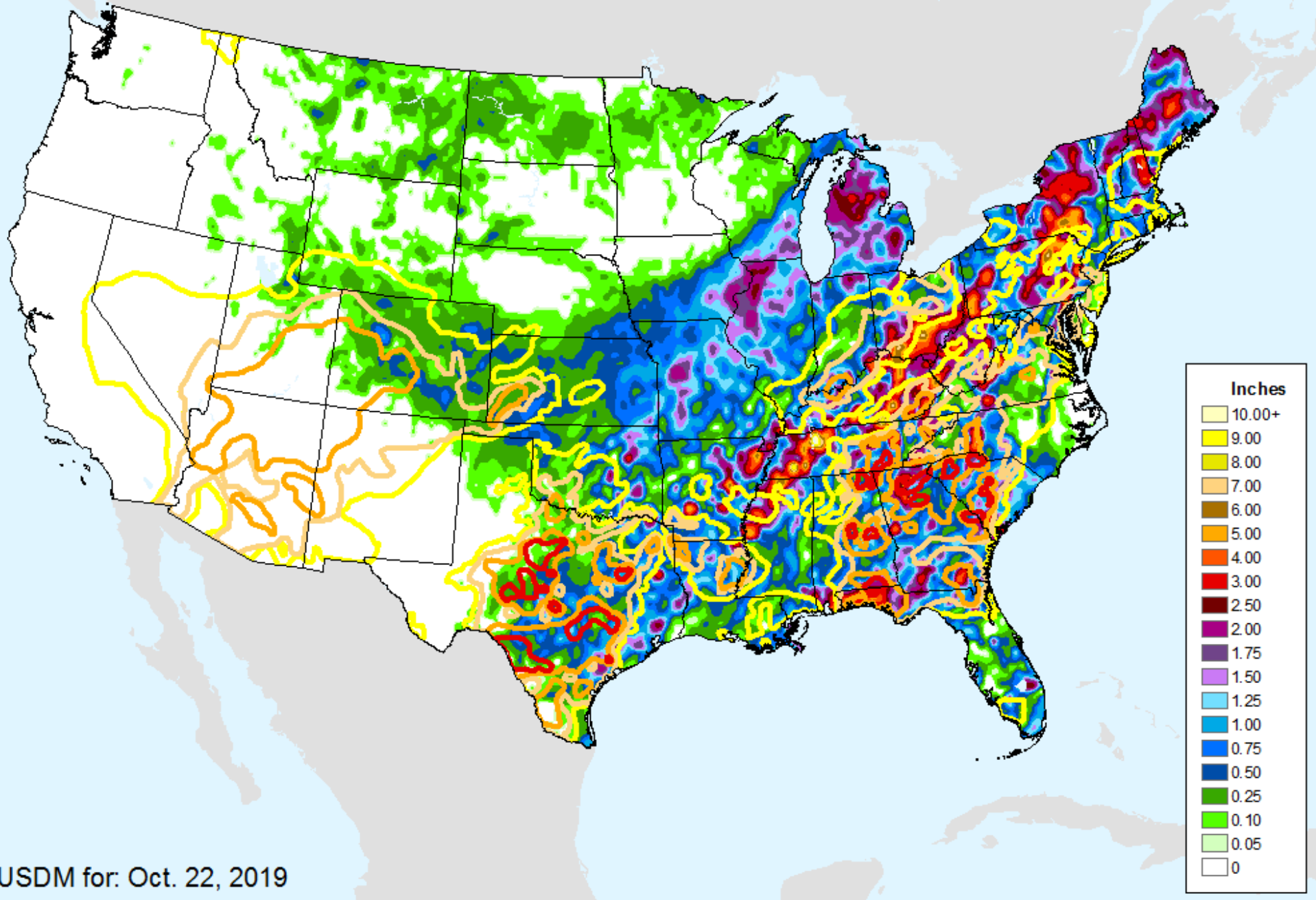


VHI

- 85 - 100
- 73 - 84
- 61 - 72
- 49 - 60
- 37 - 48
- 25 - 36
- 13 - 24
- 7 - 12
- 1 - 6

GFS (00z) 7-Day Precip Forecast

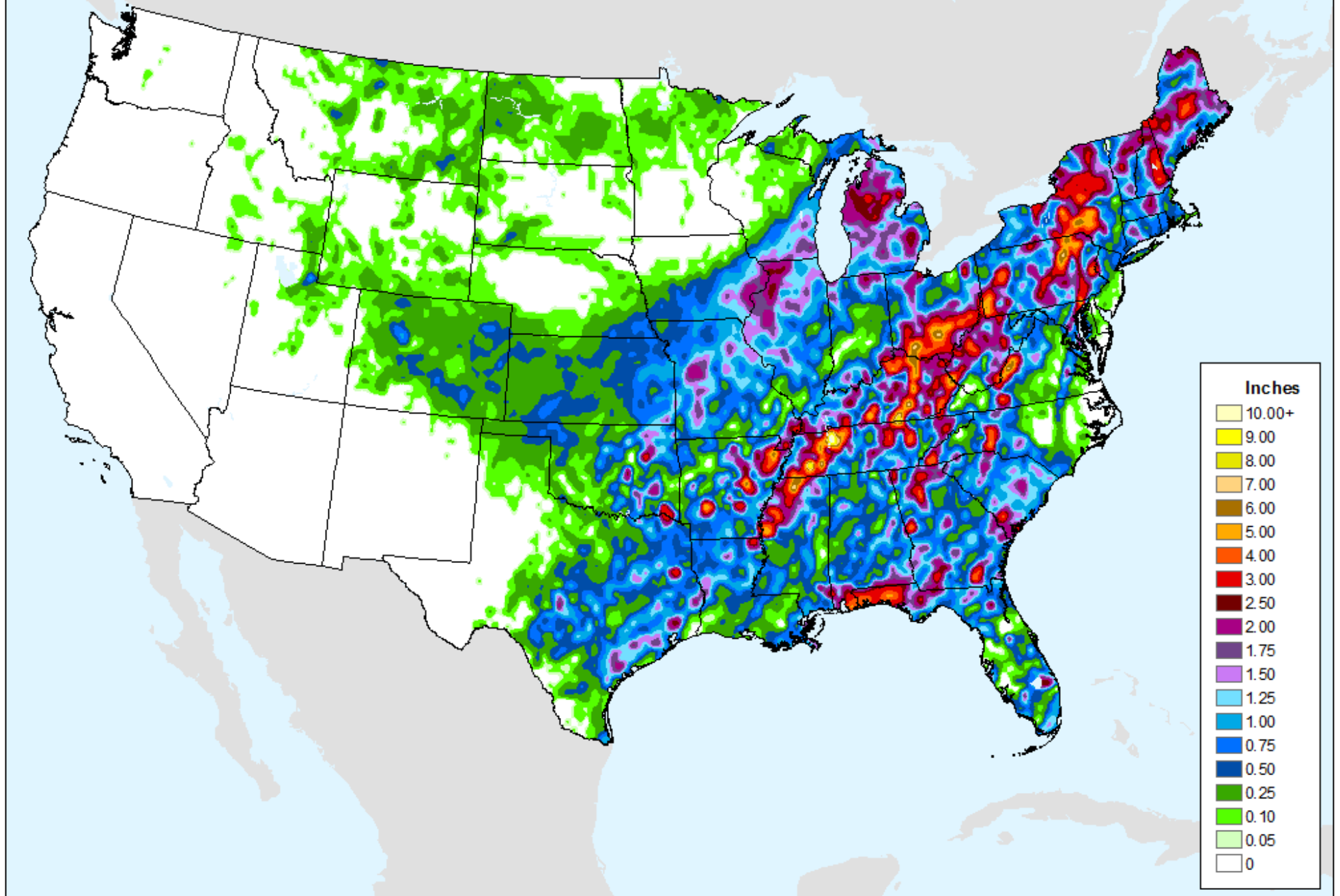
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

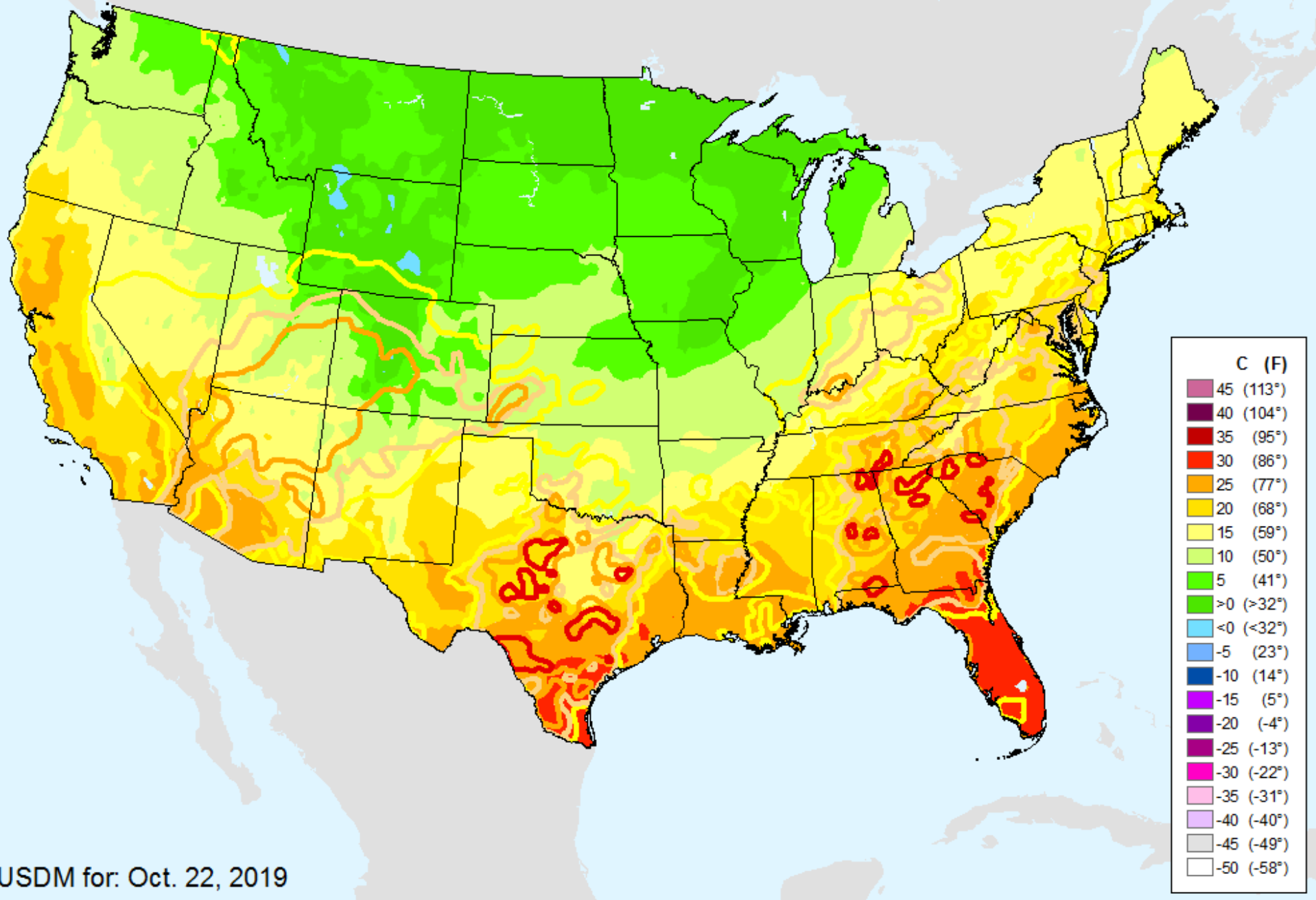
GFS (00z) 7-Day Precip Forecast

As of: Tuesday, October 29, 2019



GFS (00z) 7-Day Max Temp Forecast

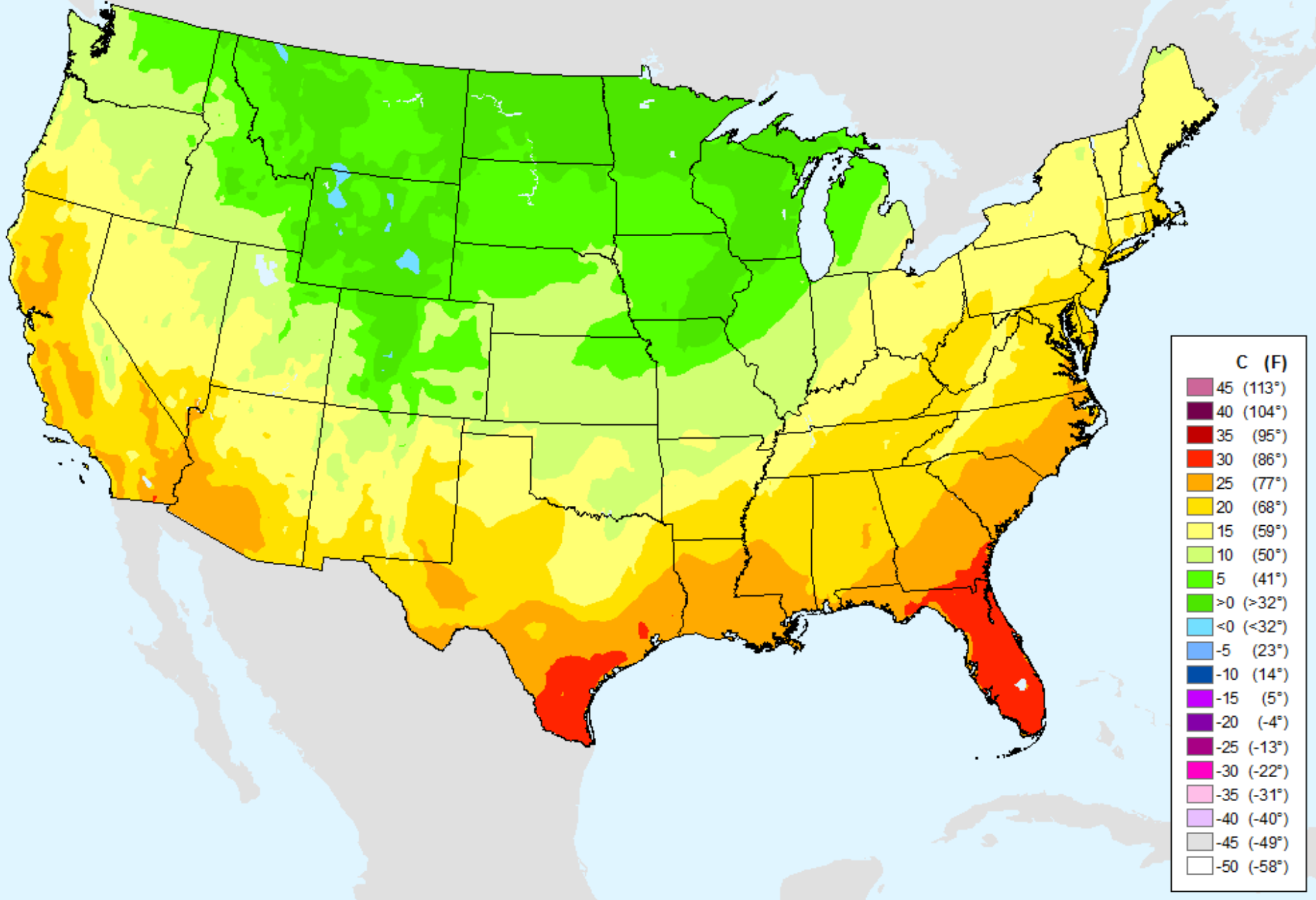
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

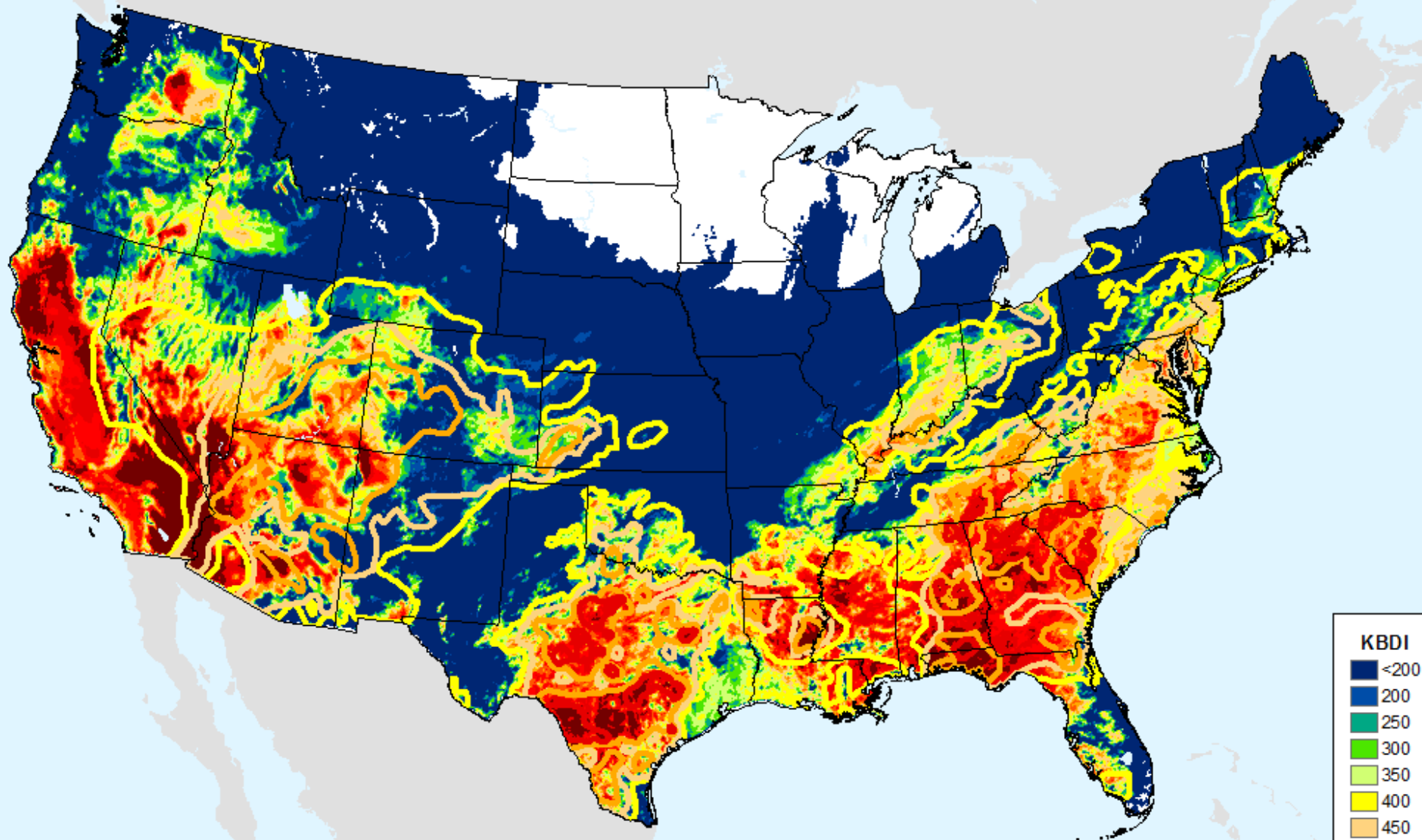
GFS (00z) 7-Day Max Temp Forecast

As of: Tuesday, October 29, 2019

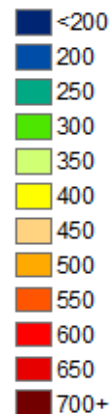


Keetch-Byram Drought Index (KBDI)

As of: Tuesday, October 29, 2019



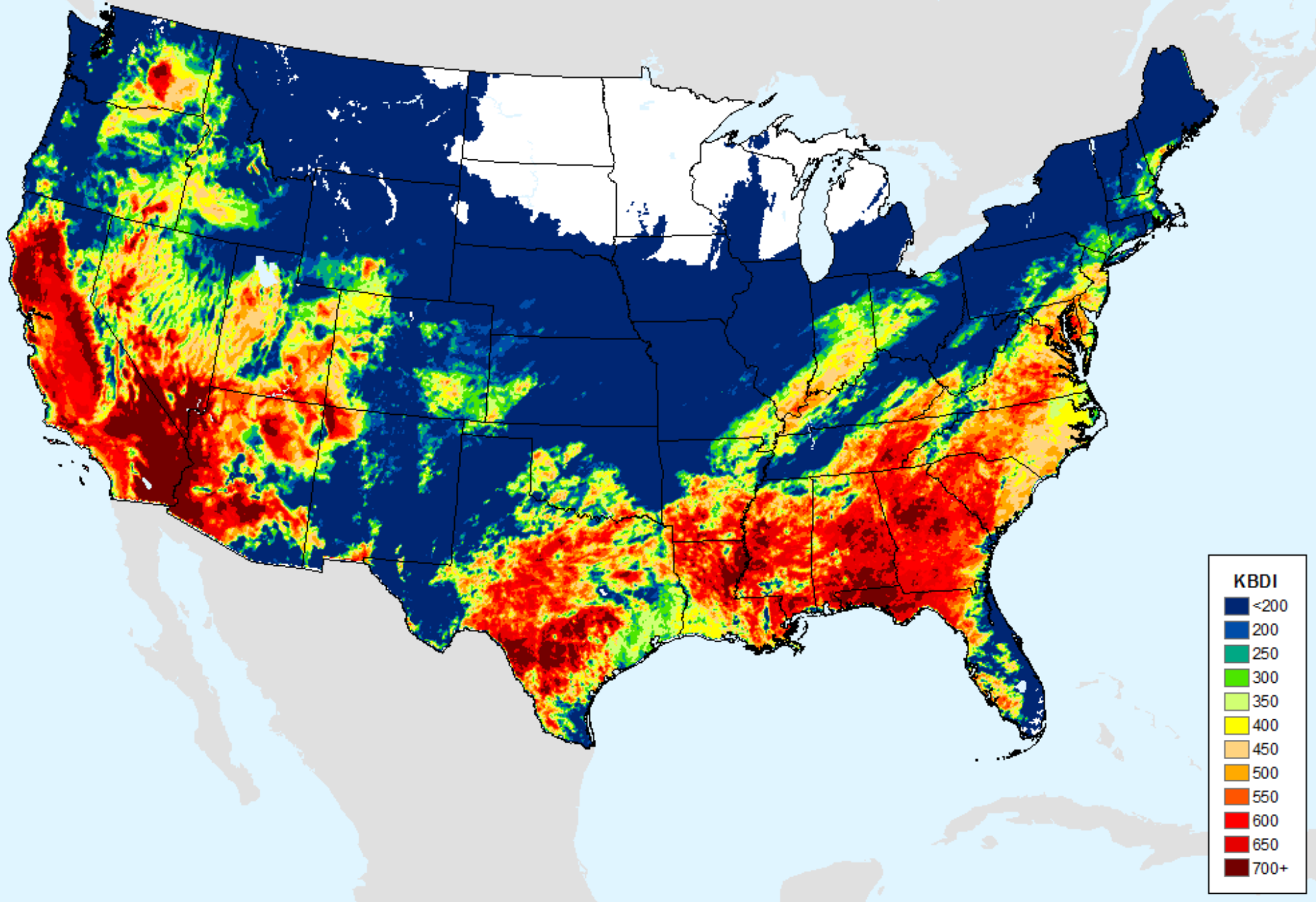
KBDI



USDM for: Oct. 22, 2019

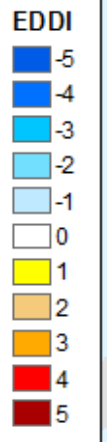
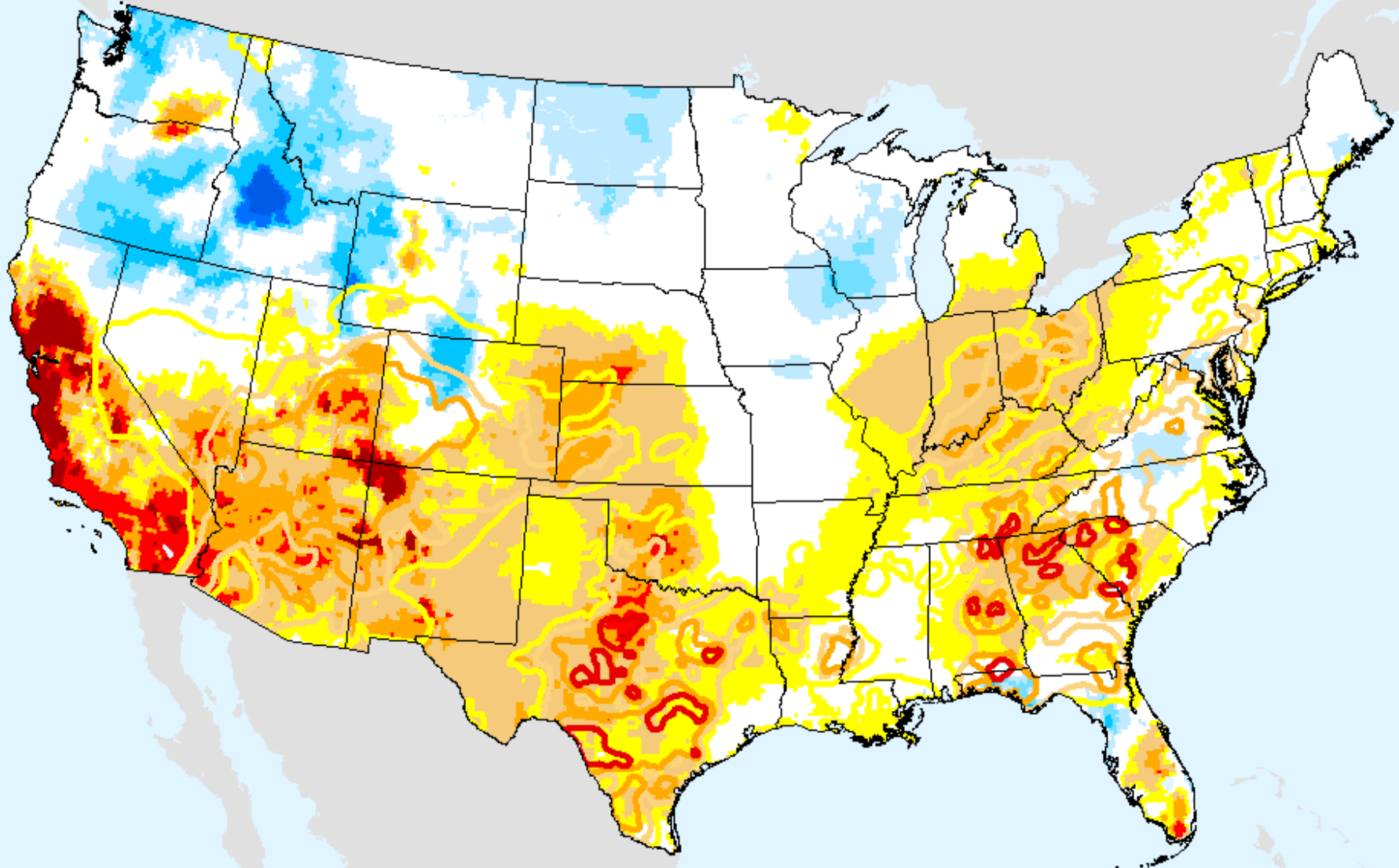
Keetch-Byram Drought Index (KBDI)

As of: Tuesday, October 29, 2019



EDDI 1-week

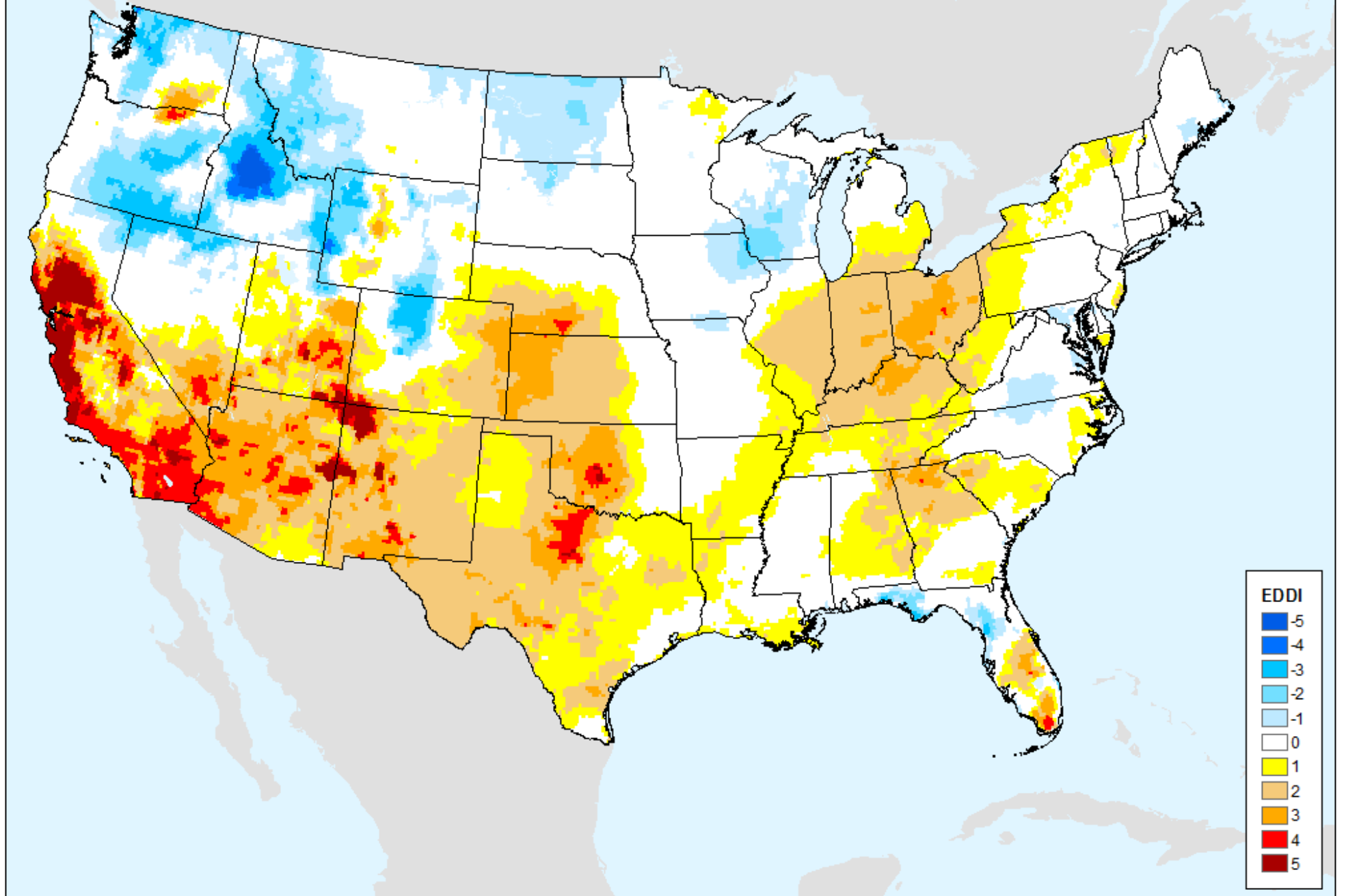
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

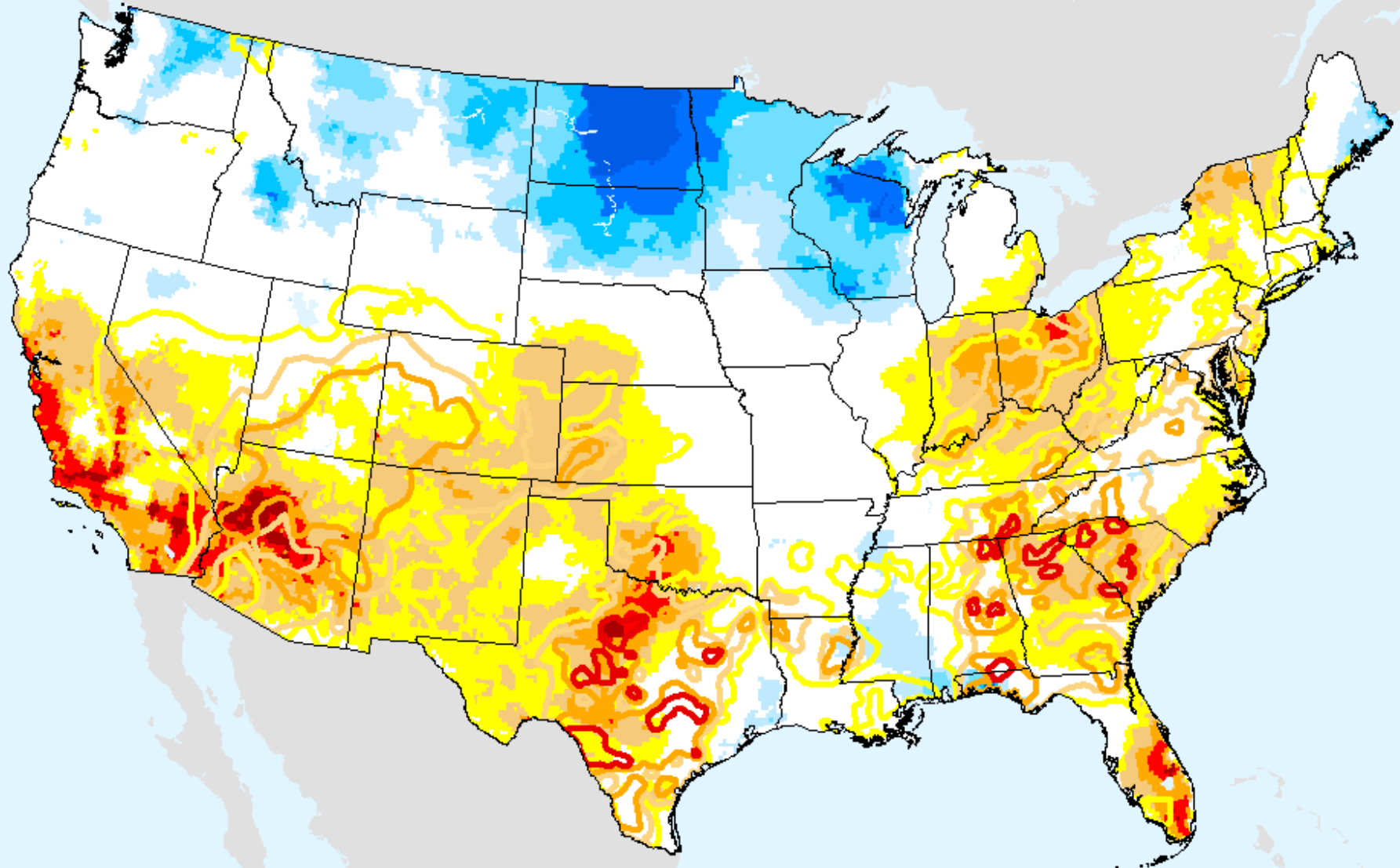
EDDI 1-week

As of: Tuesday, October 29, 2019



EDDI 2-week

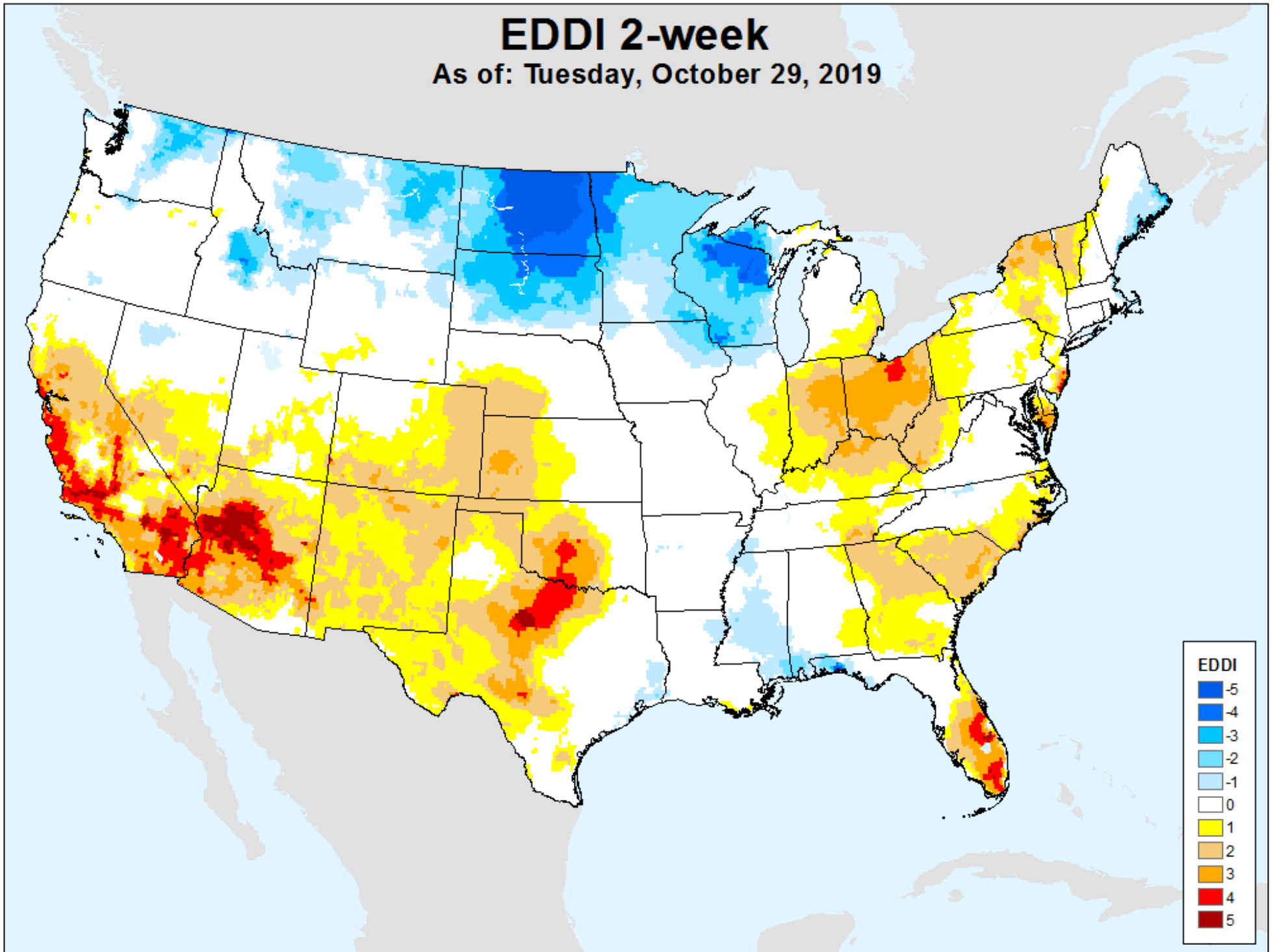
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

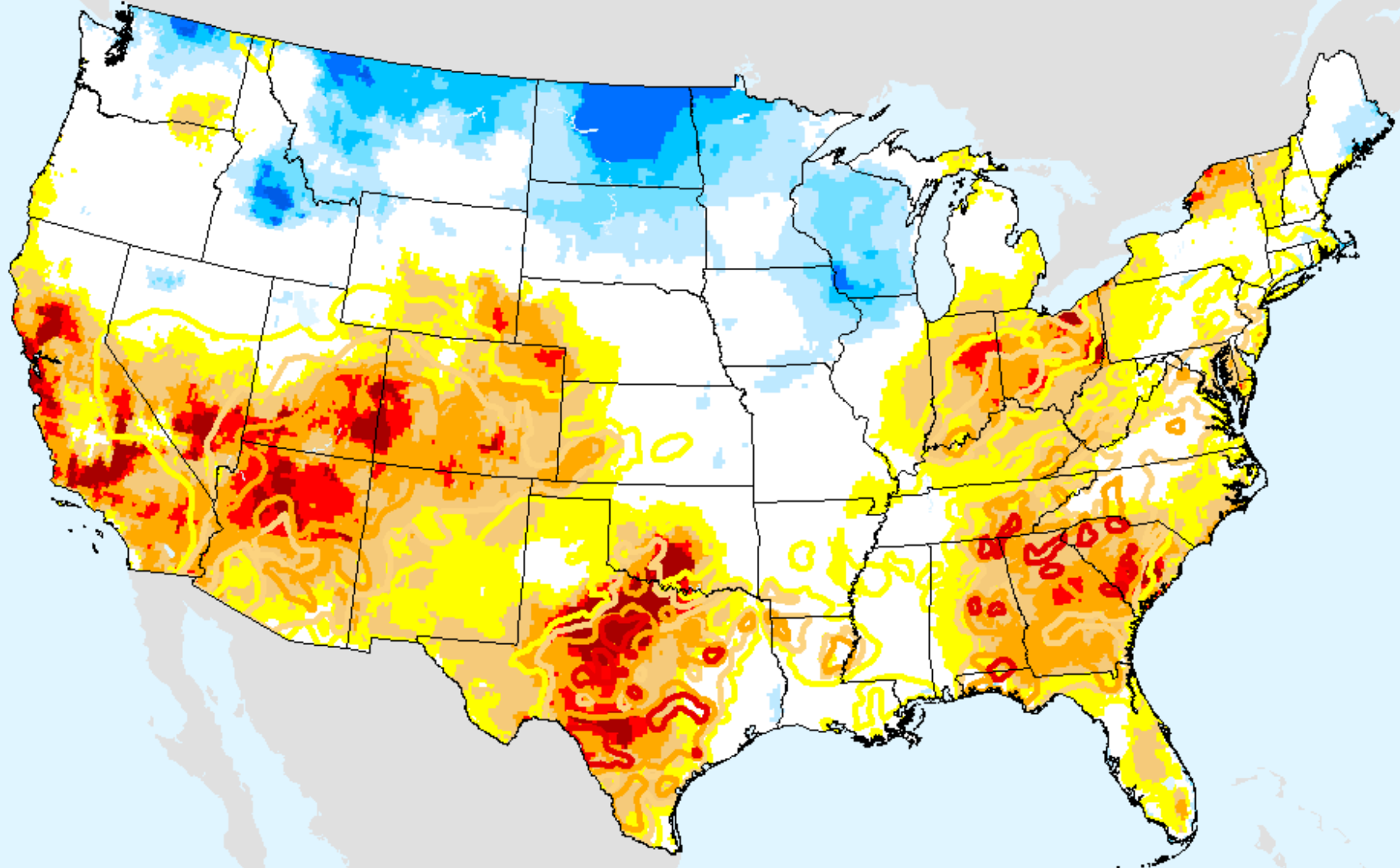
EDDI 2-week

As of: Tuesday, October 29, 2019



EDDI 3-week

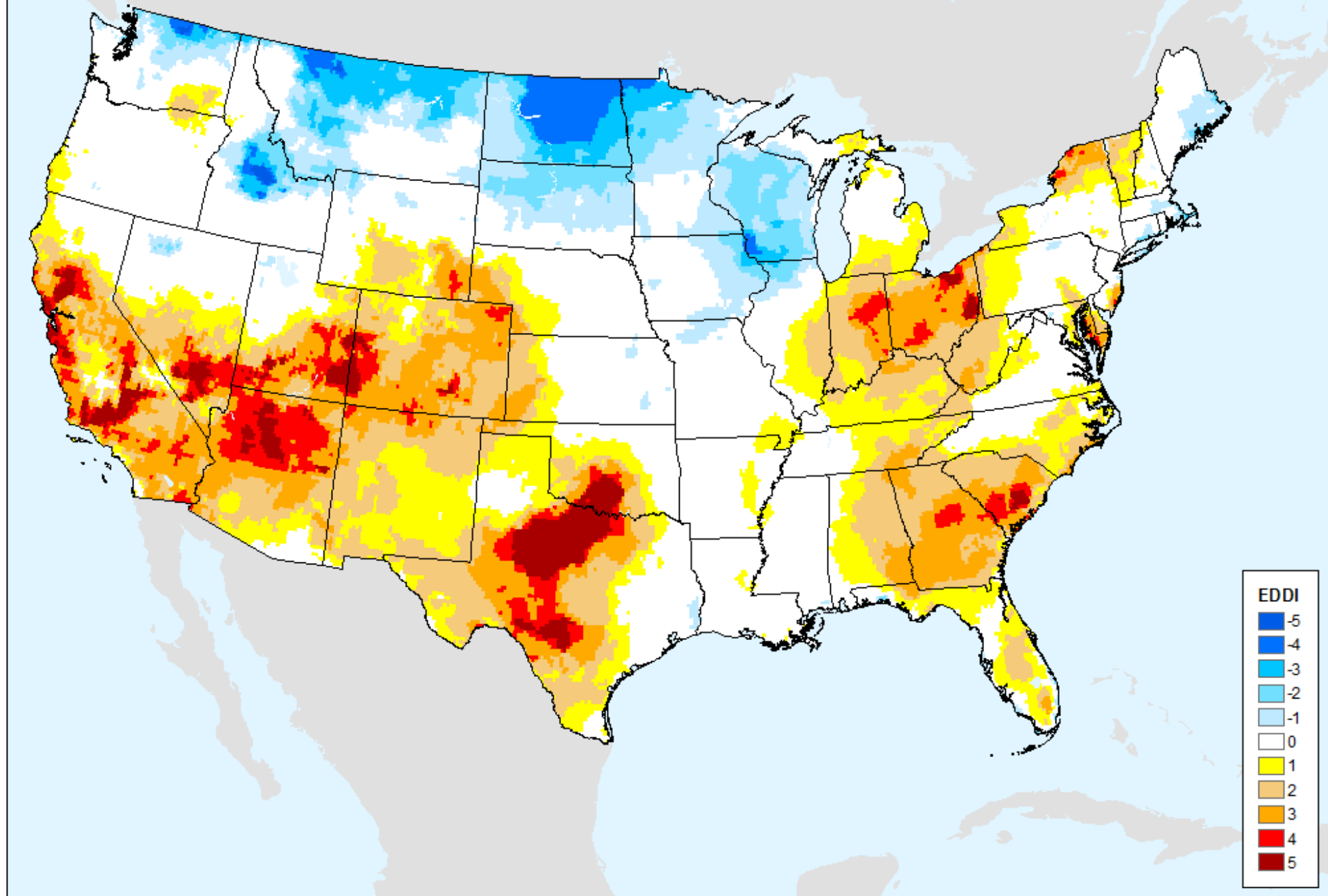
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

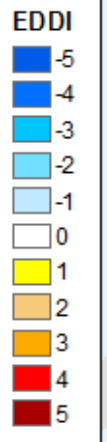
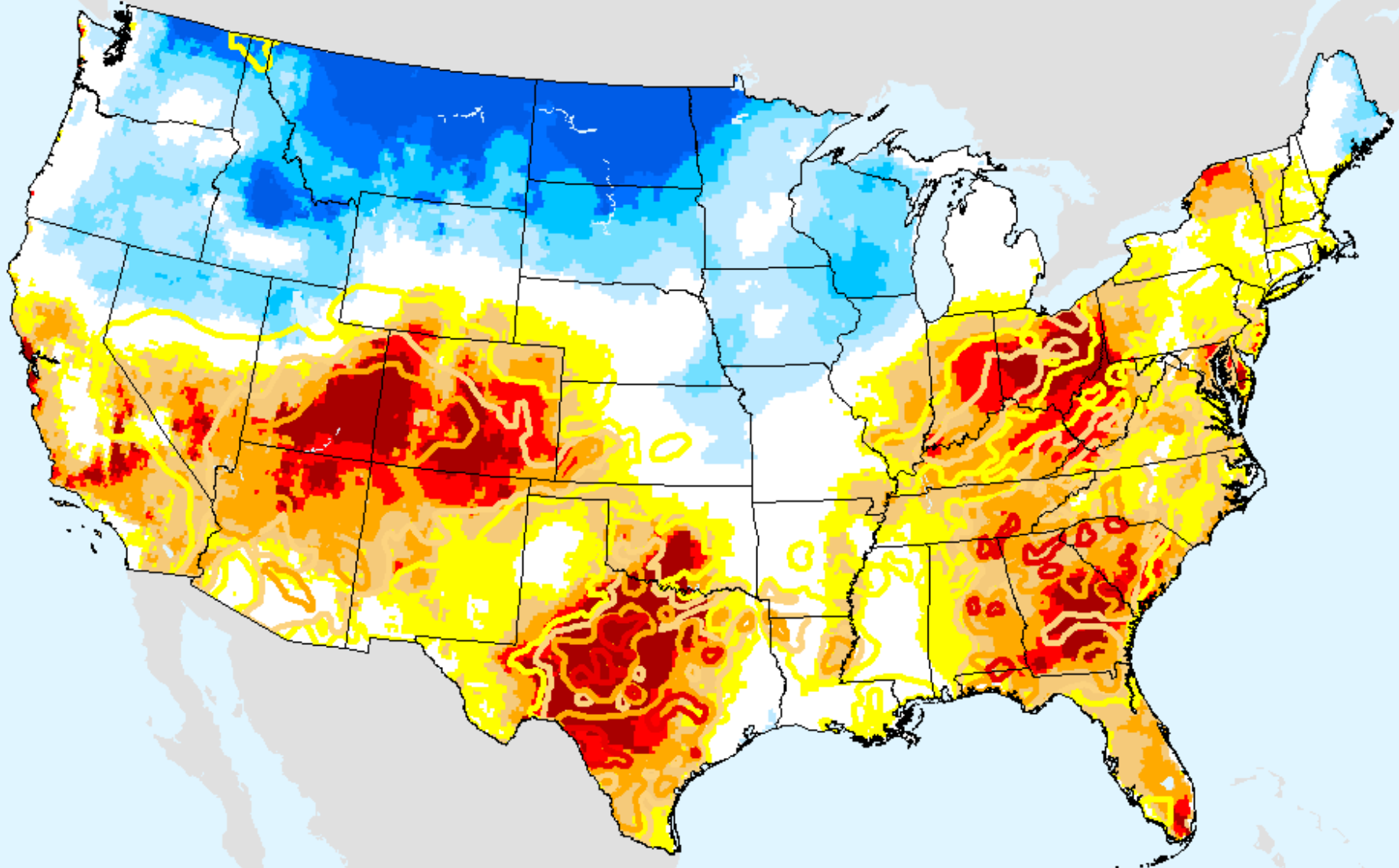
EDDI 3-week

As of: Tuesday, October 29, 2019



EDDI 4-week

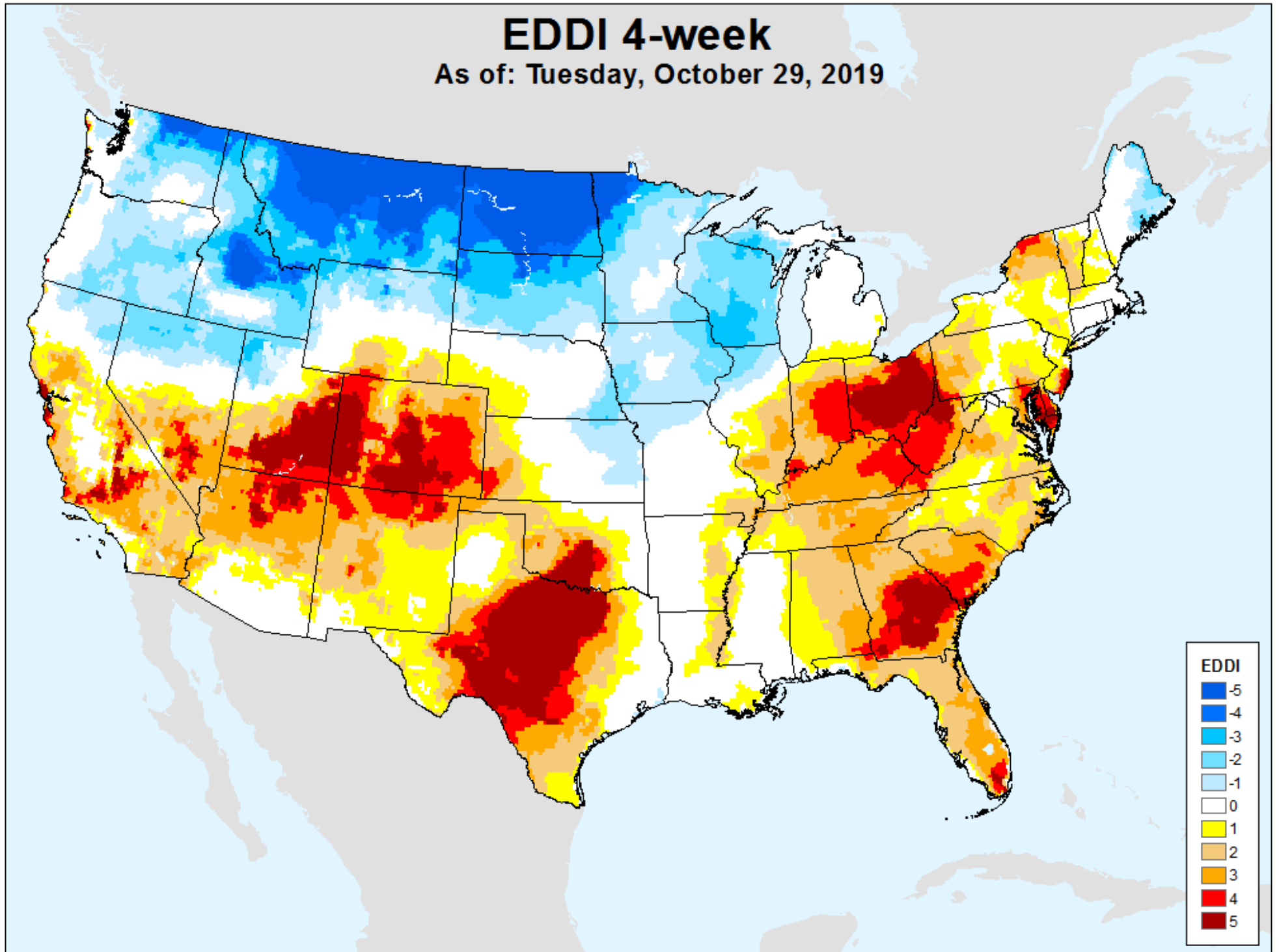
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

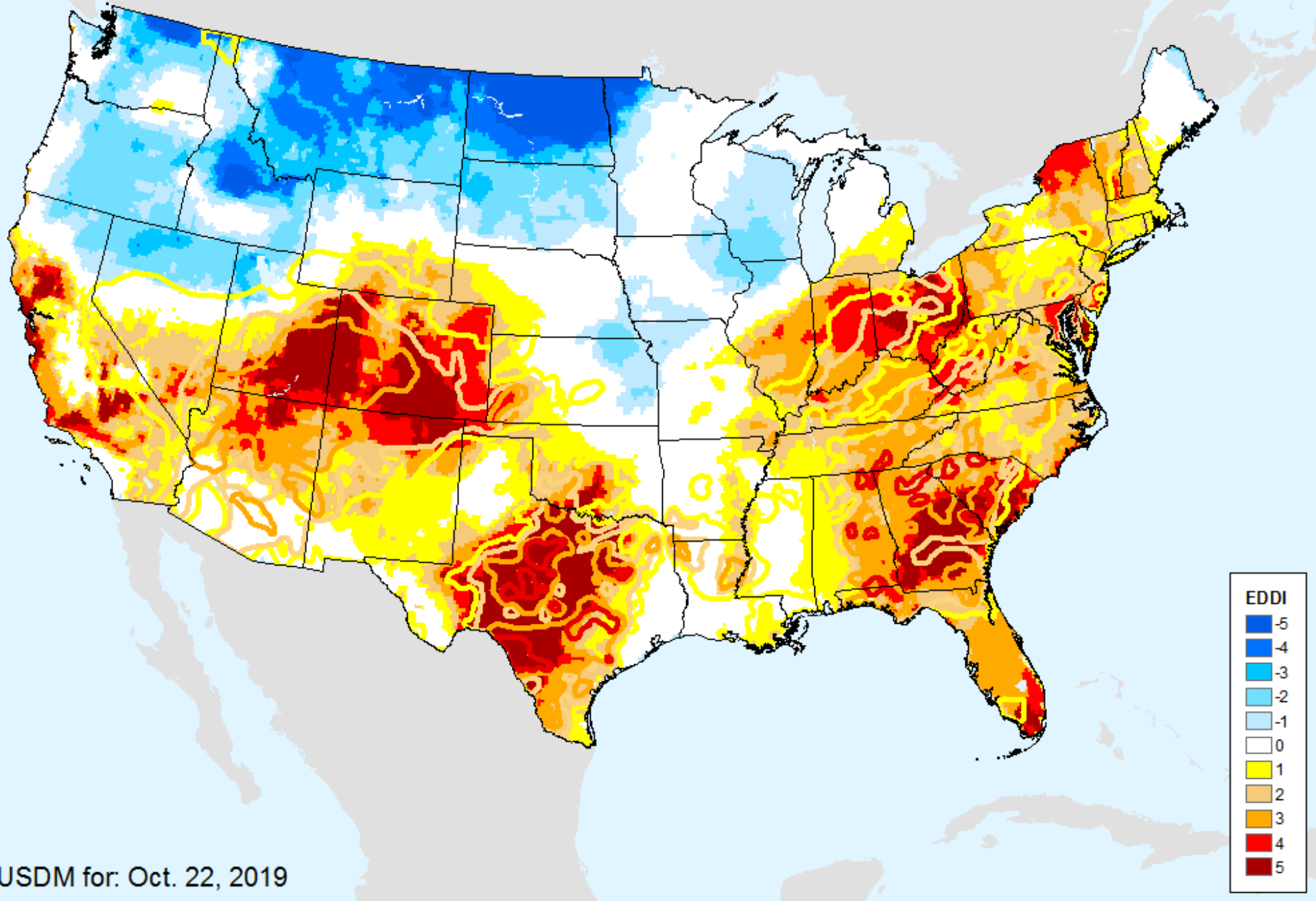
EDDI 4-week

As of: Tuesday, October 29, 2019



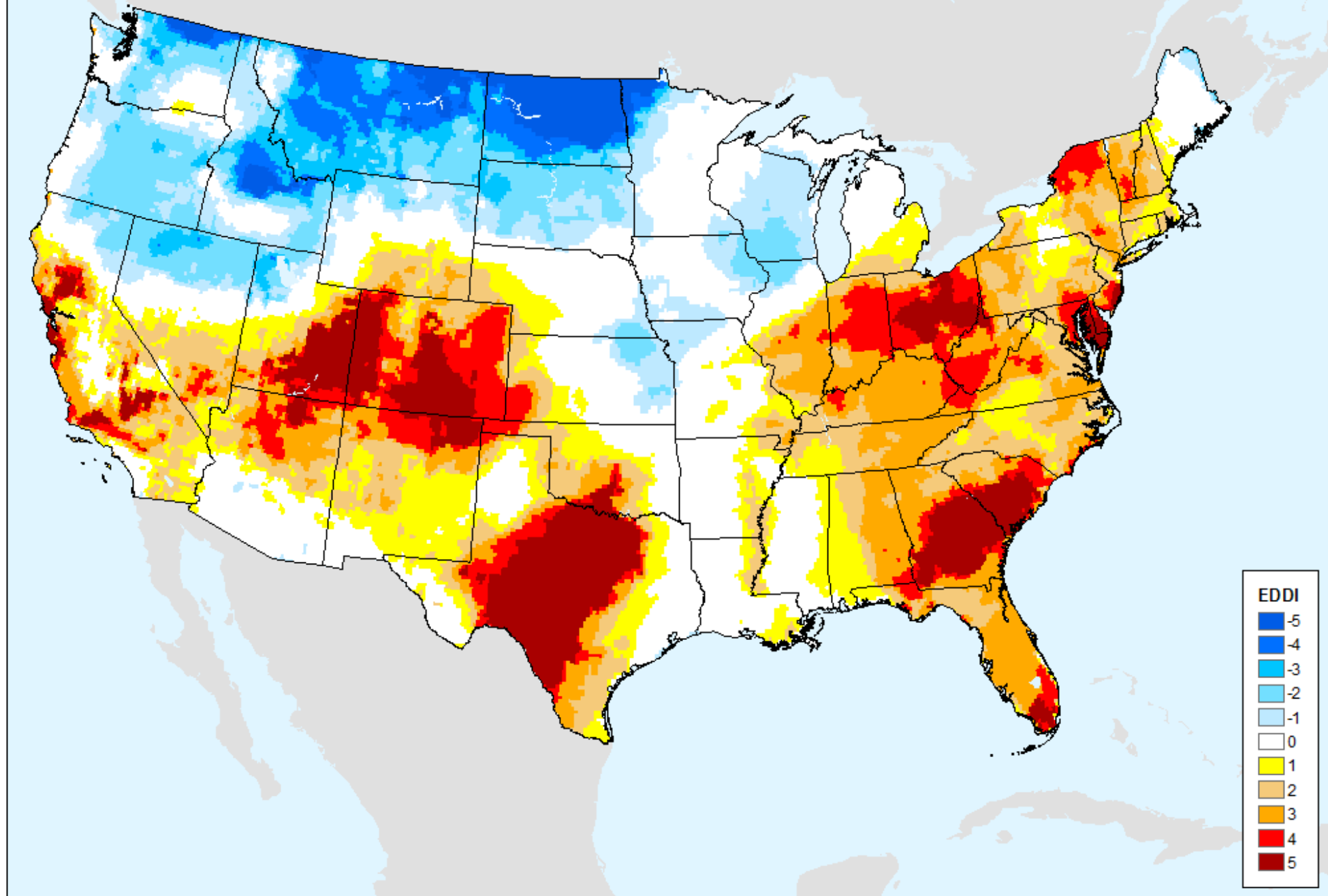
EDDI 5-week

As of: Tuesday, October 29, 2019



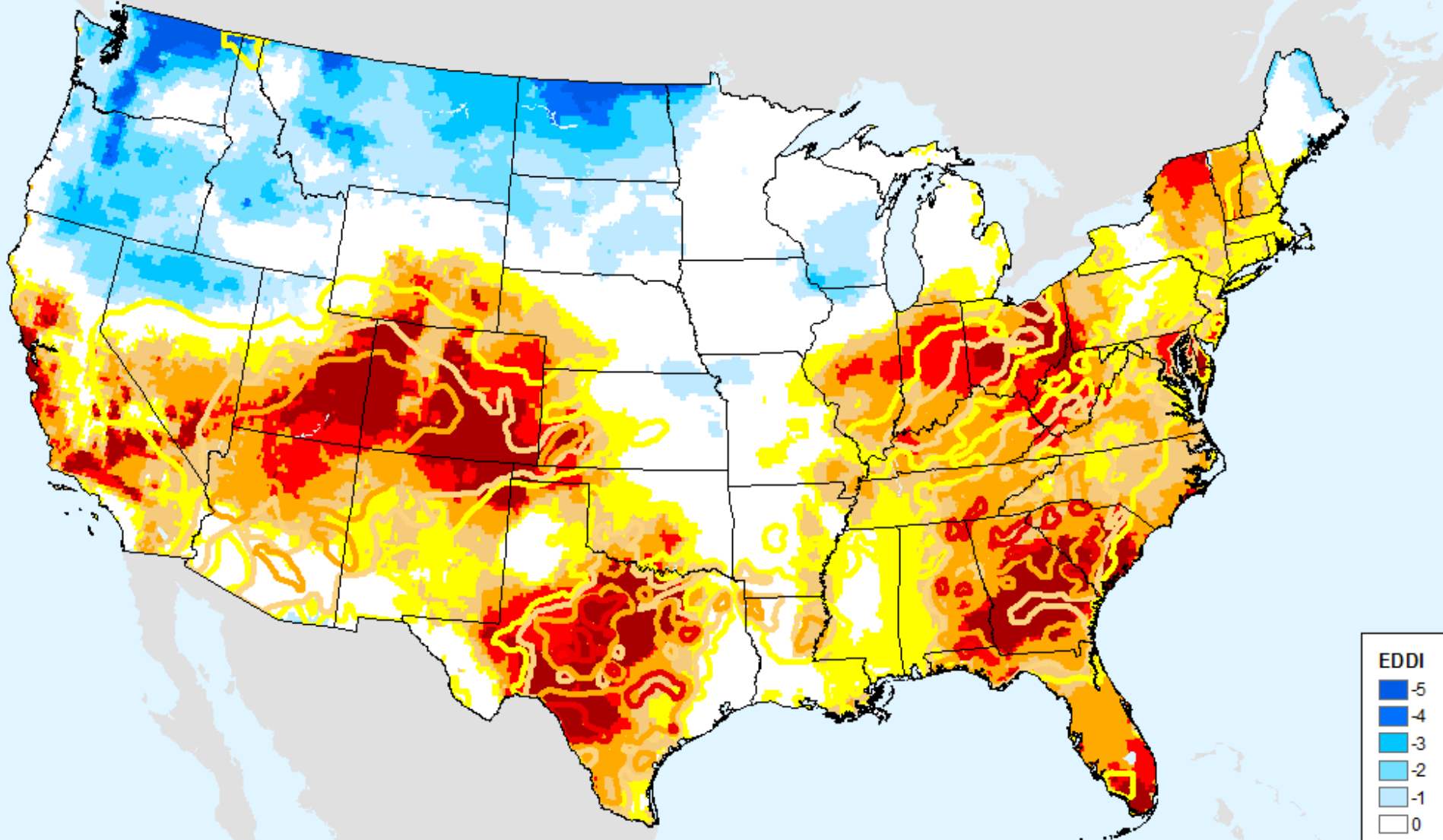
EDDI 5-week

As of: Tuesday, October 29, 2019



EDDI 6-week

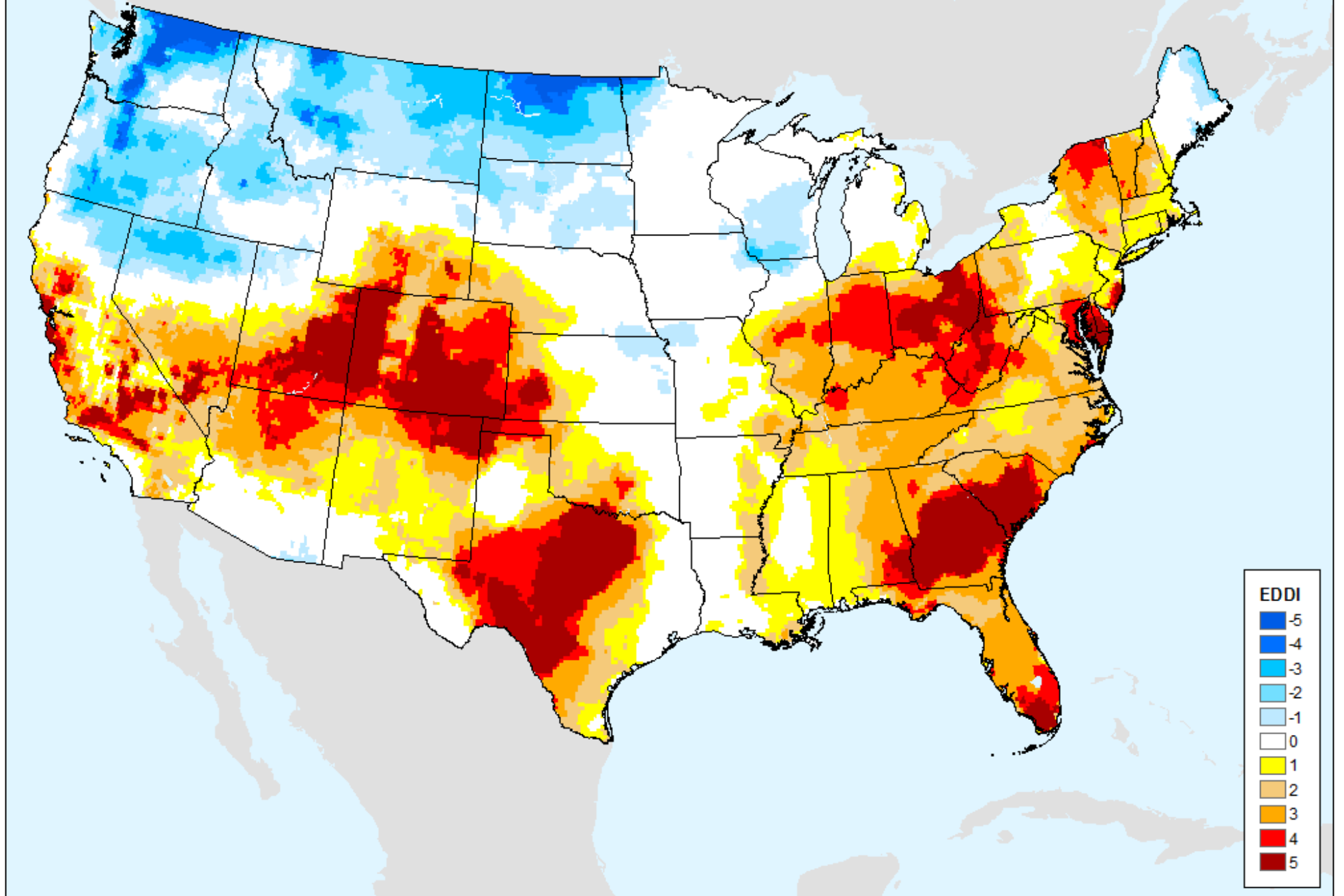
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

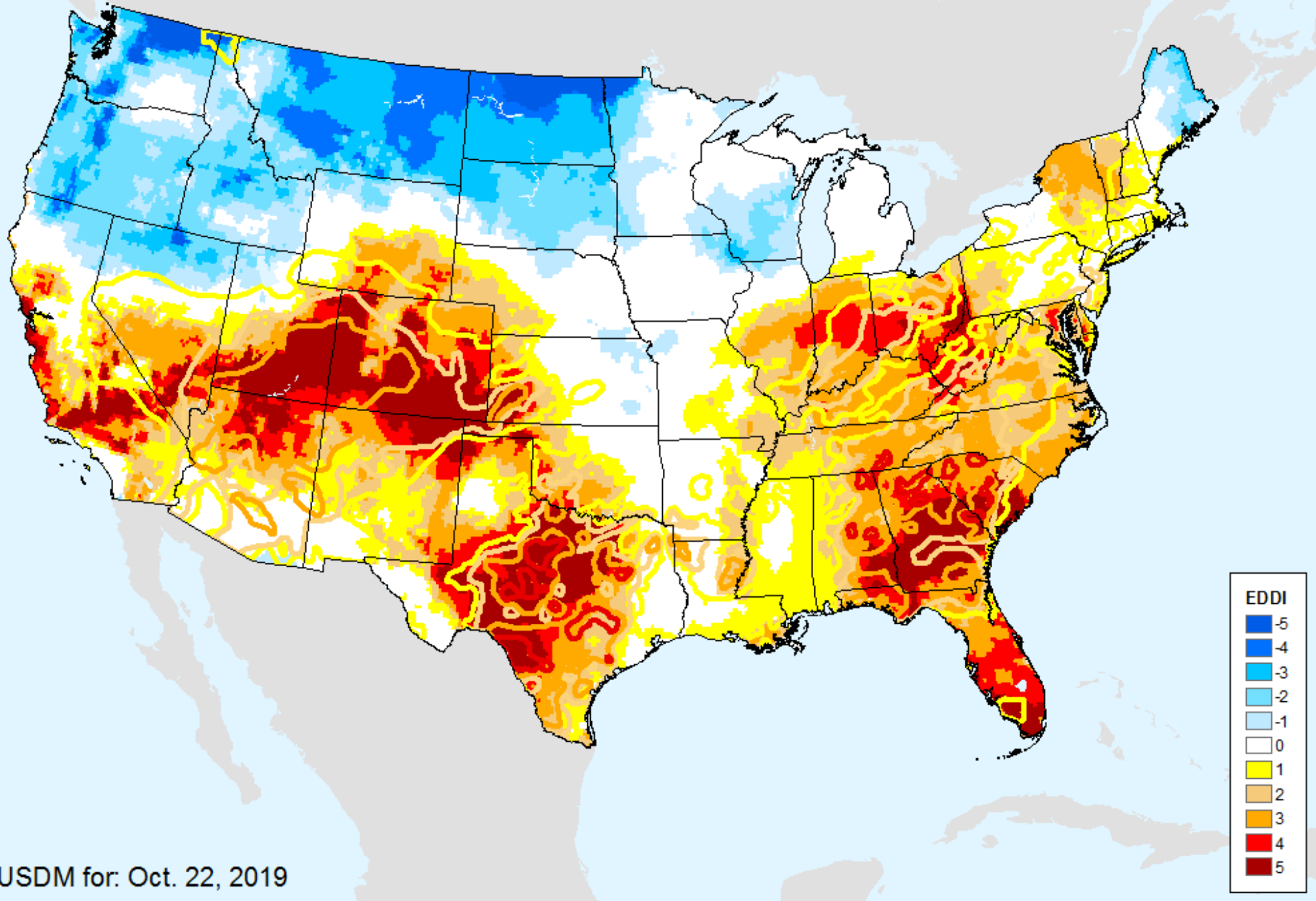
EDDI 6-week

As of: Tuesday, October 29, 2019



EDDI 7-week

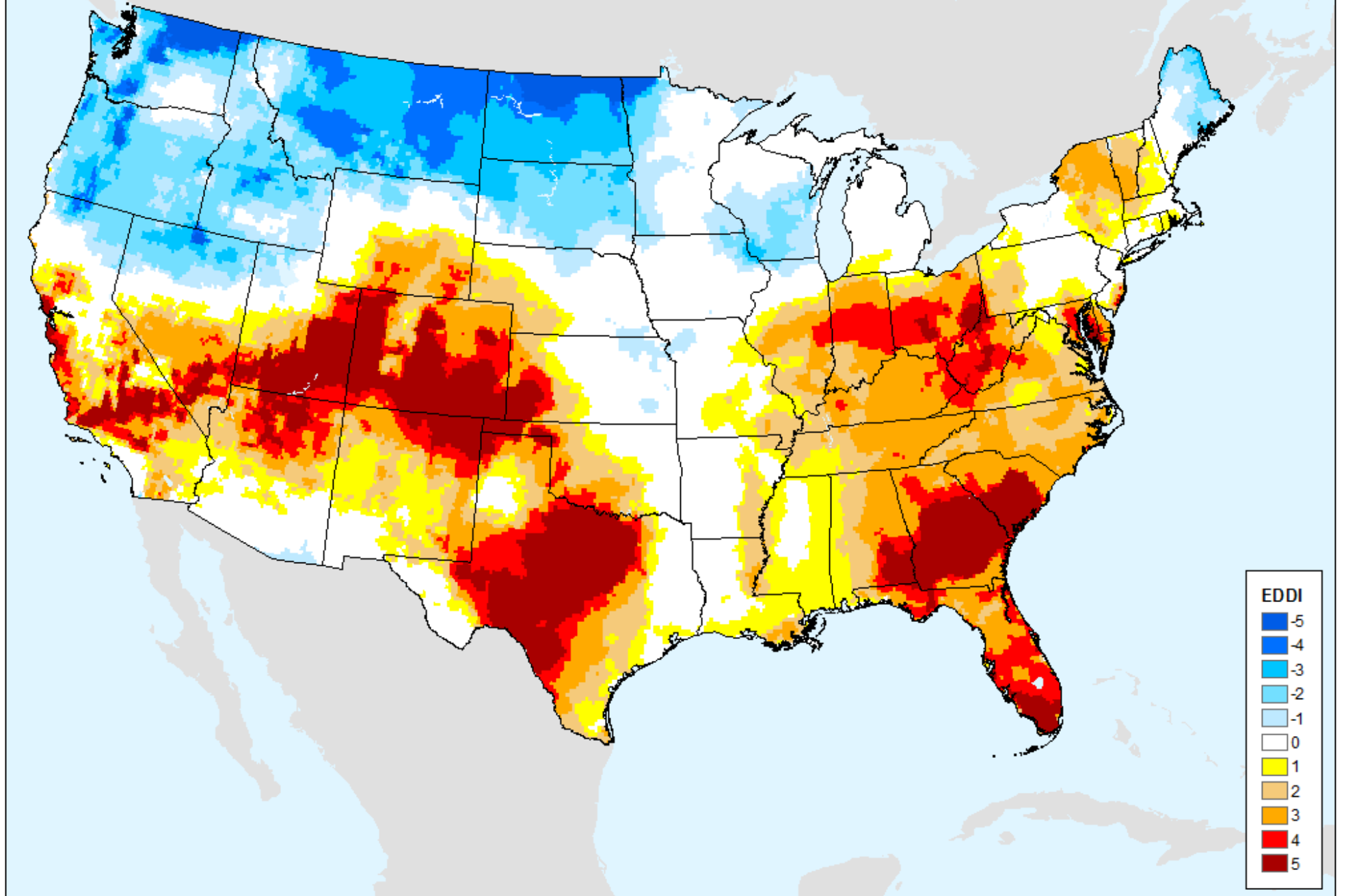
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

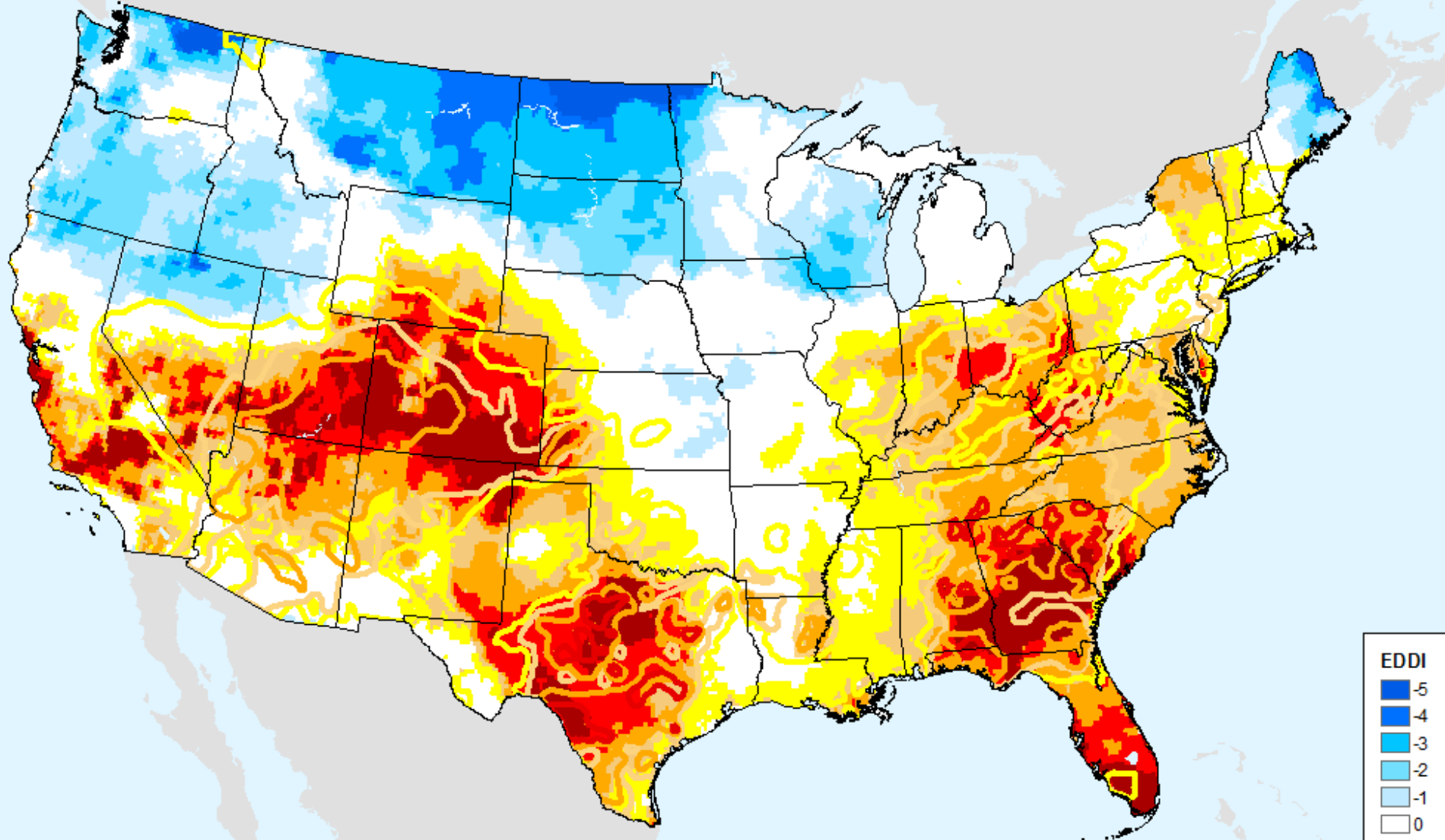
EDDI 7-week

As of: Tuesday, October 29, 2019

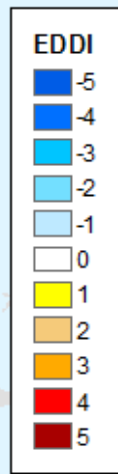


EDDI 8-week

As of: Tuesday, October 29, 2019

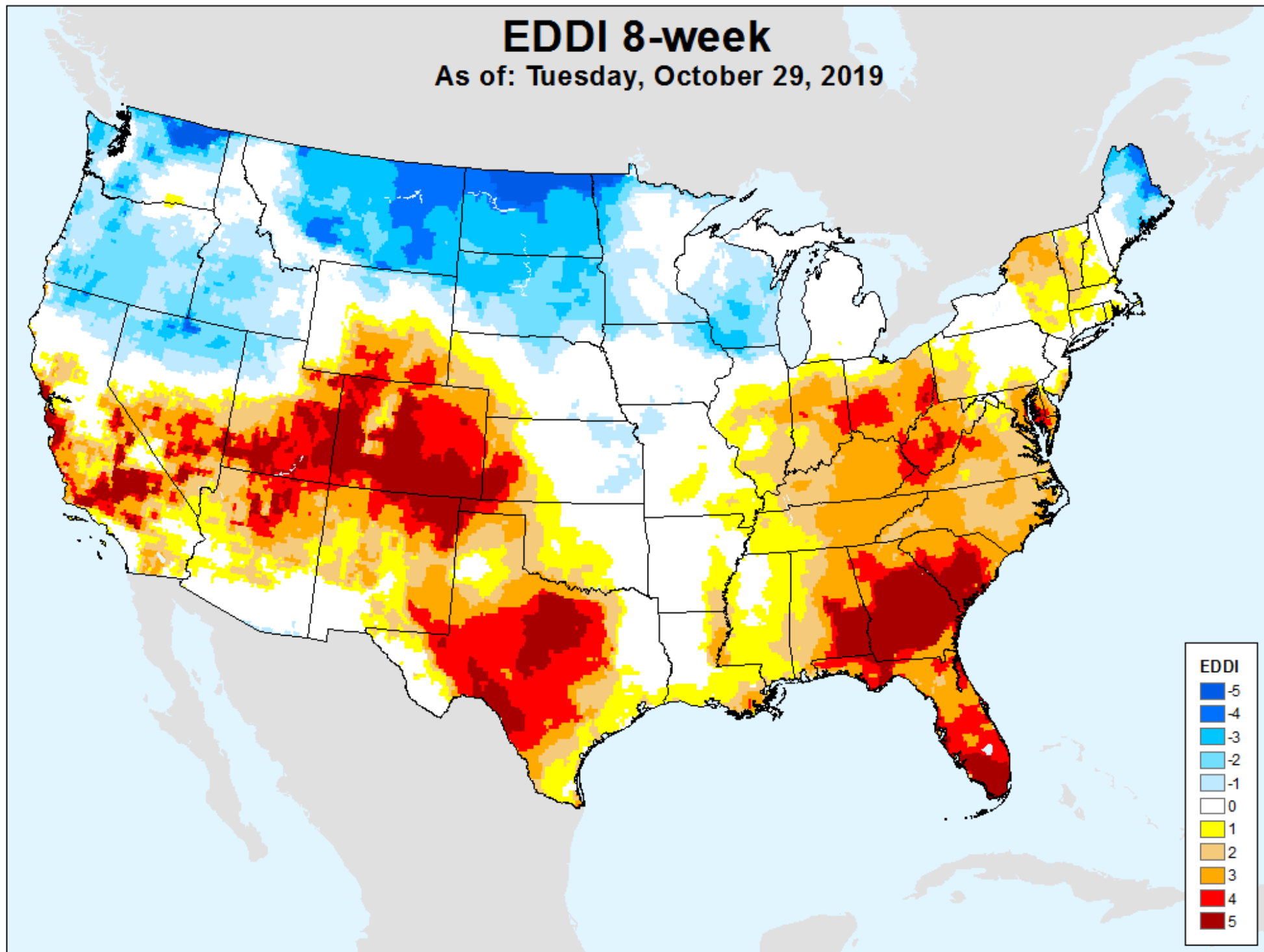


USDM for: Oct. 22, 2019



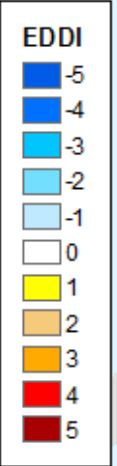
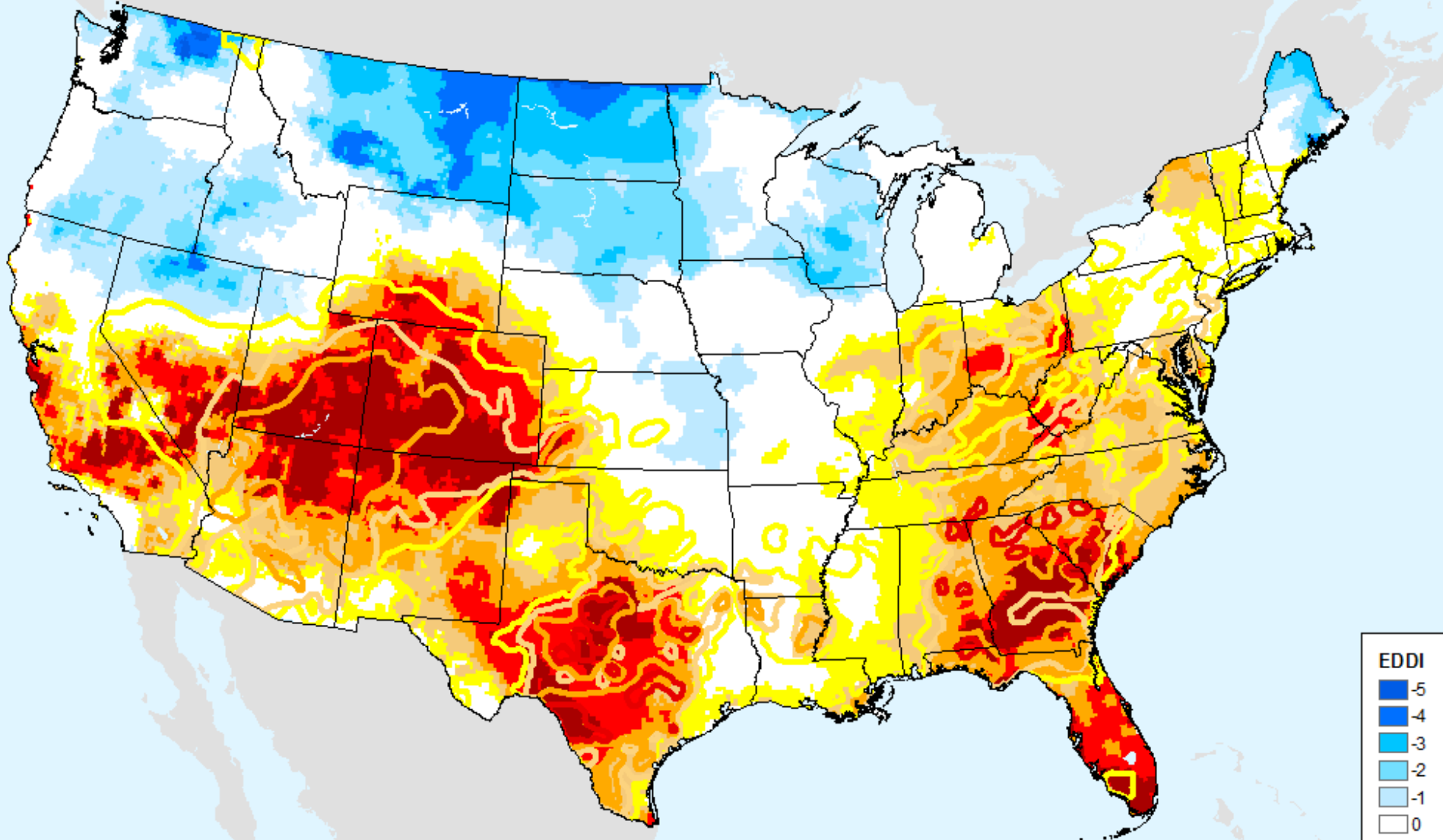
EDDI 8-week

As of: Tuesday, October 29, 2019



EDDI 9-week

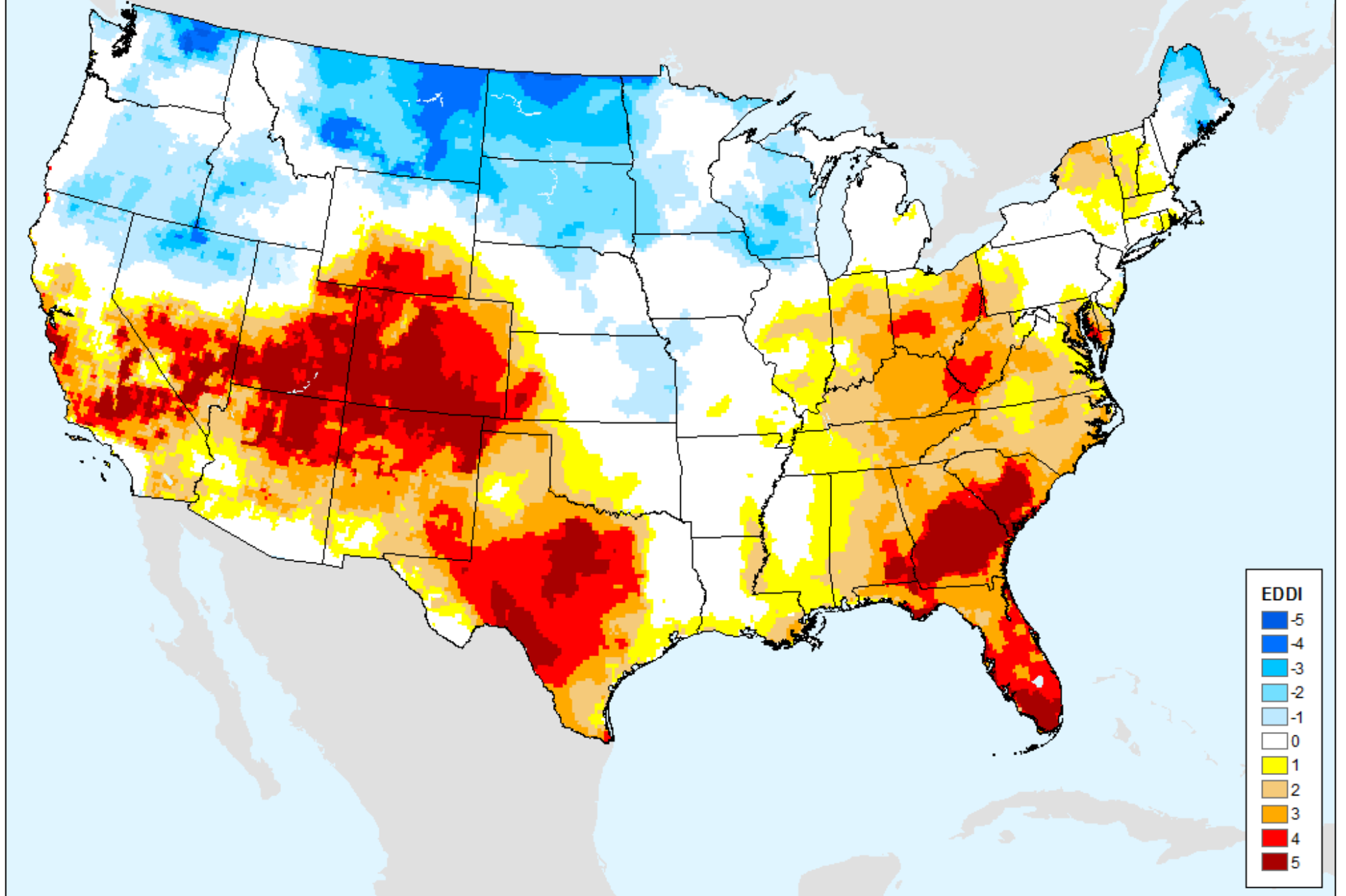
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

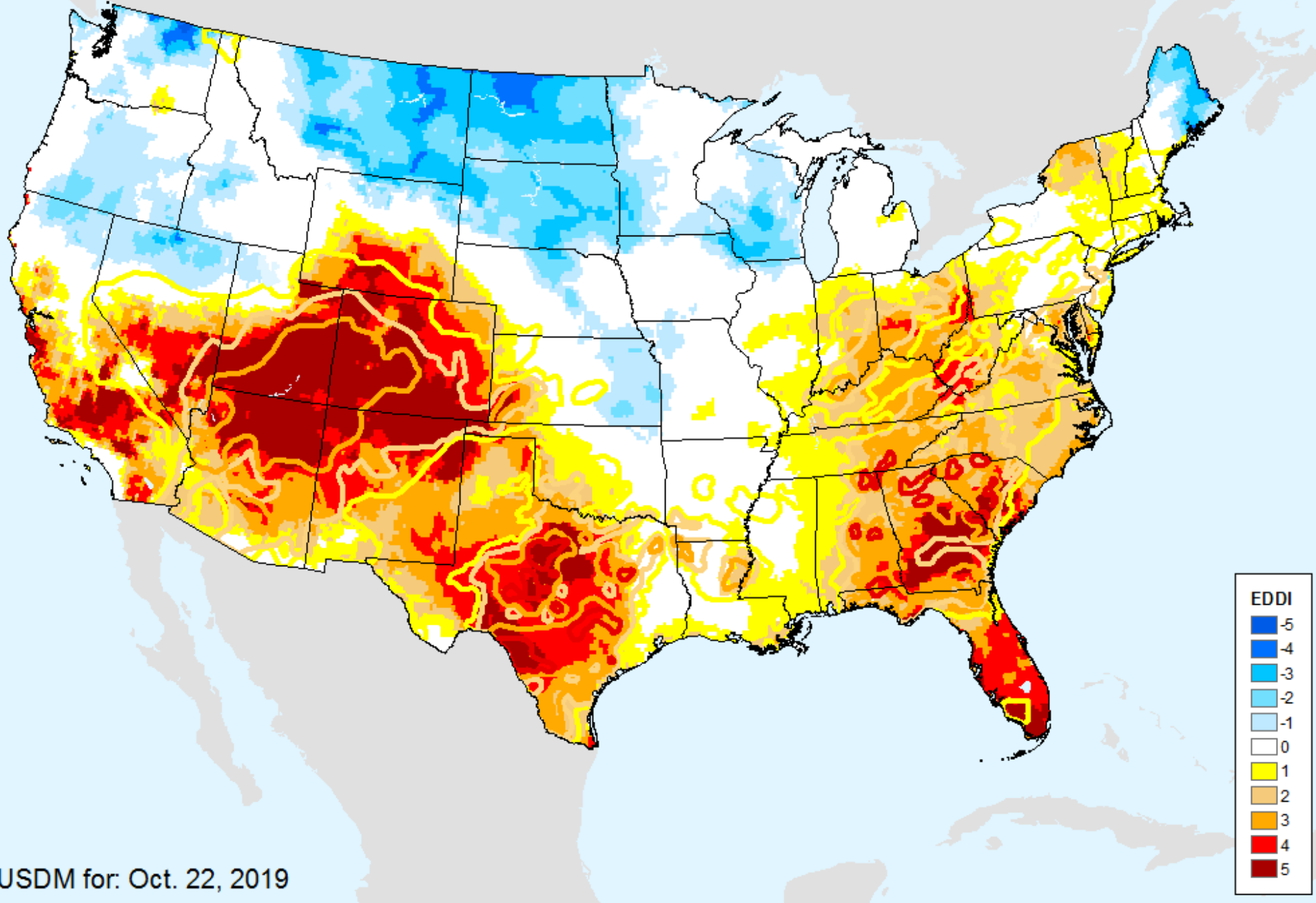
EDDI 9-week

As of: Tuesday, October 29, 2019



EDDI 10-week

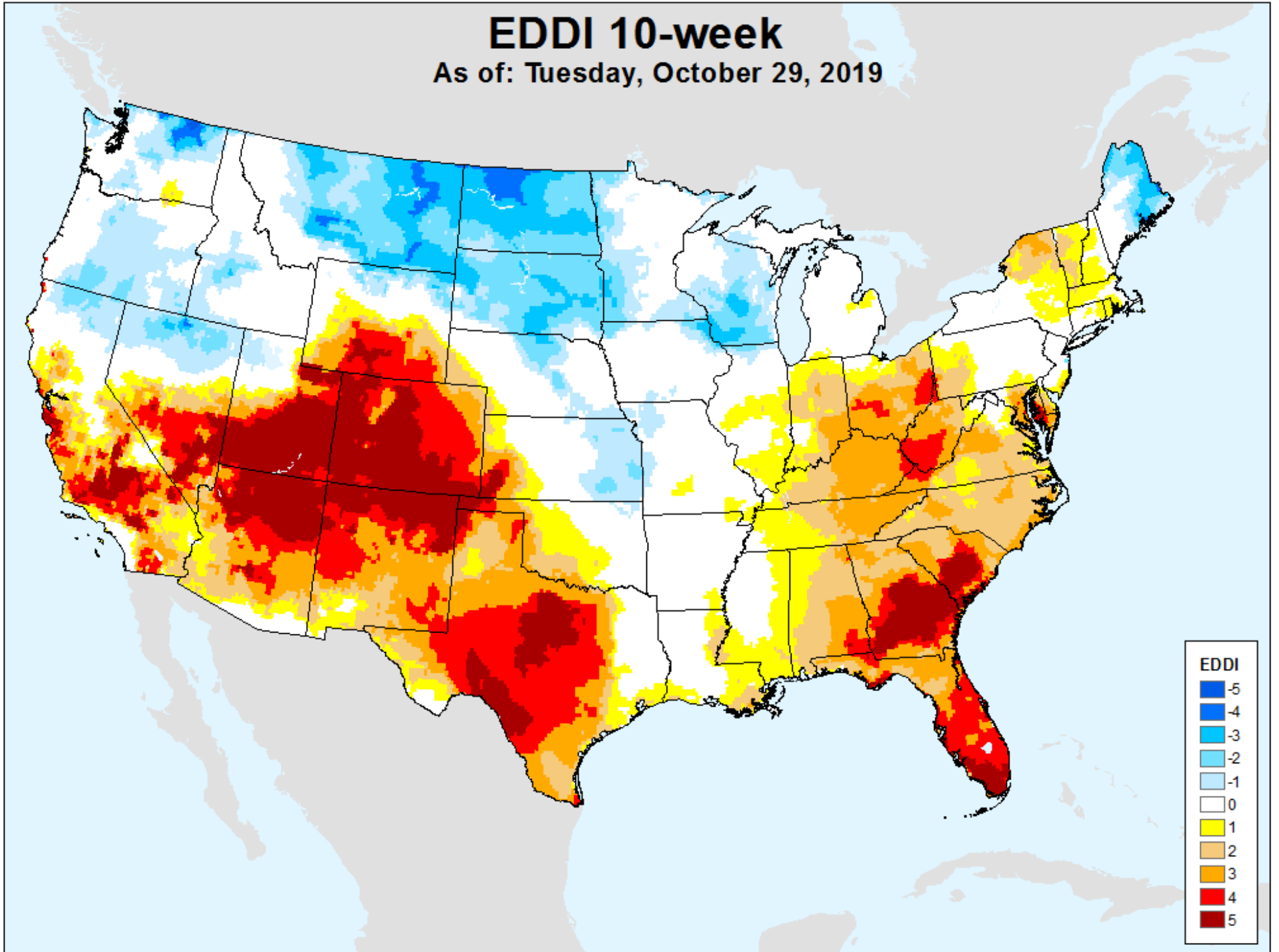
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

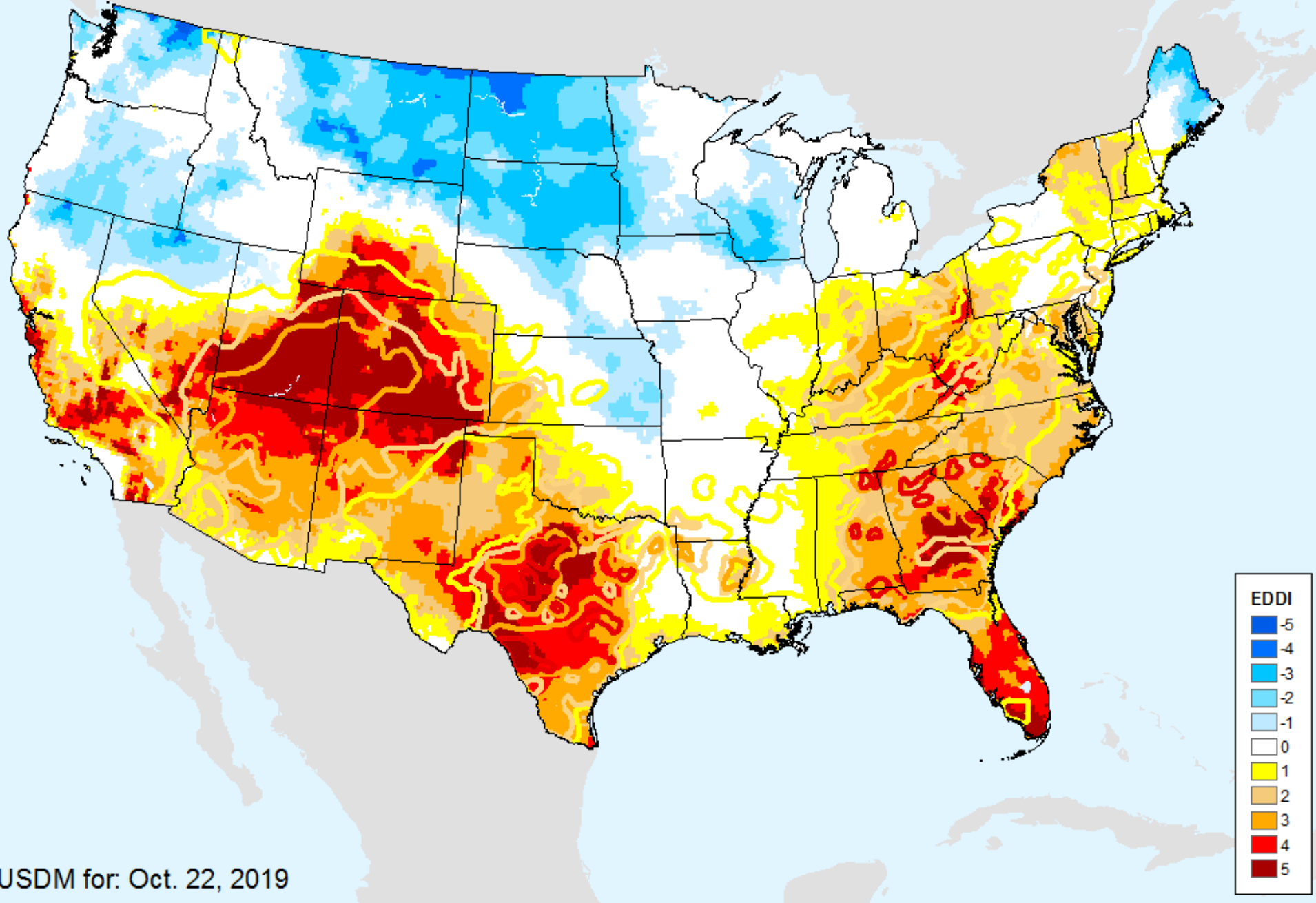
EDDI 10-week

As of: Tuesday, October 29, 2019



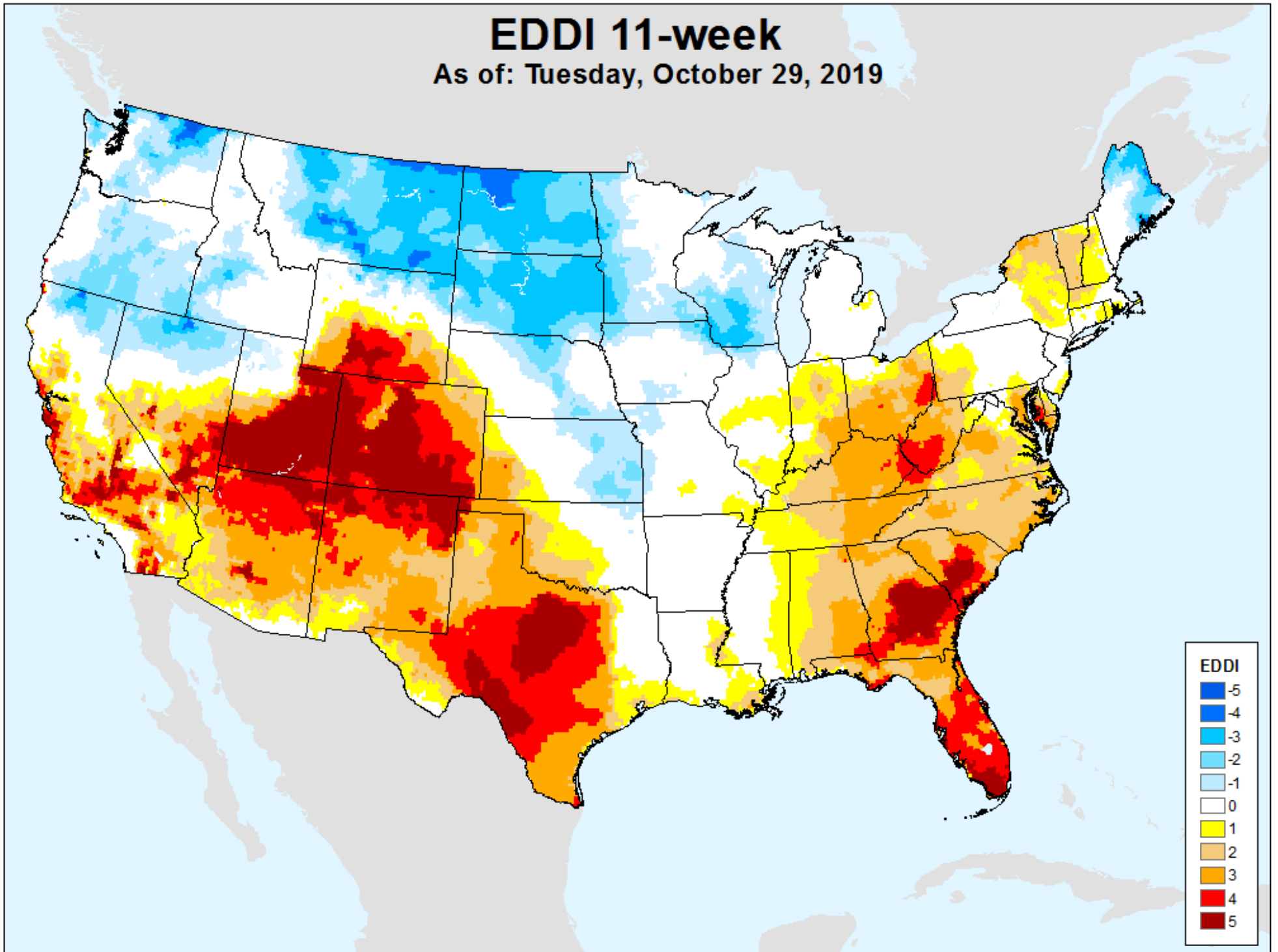
EDDI 11-week

As of: Tuesday, October 29, 2019



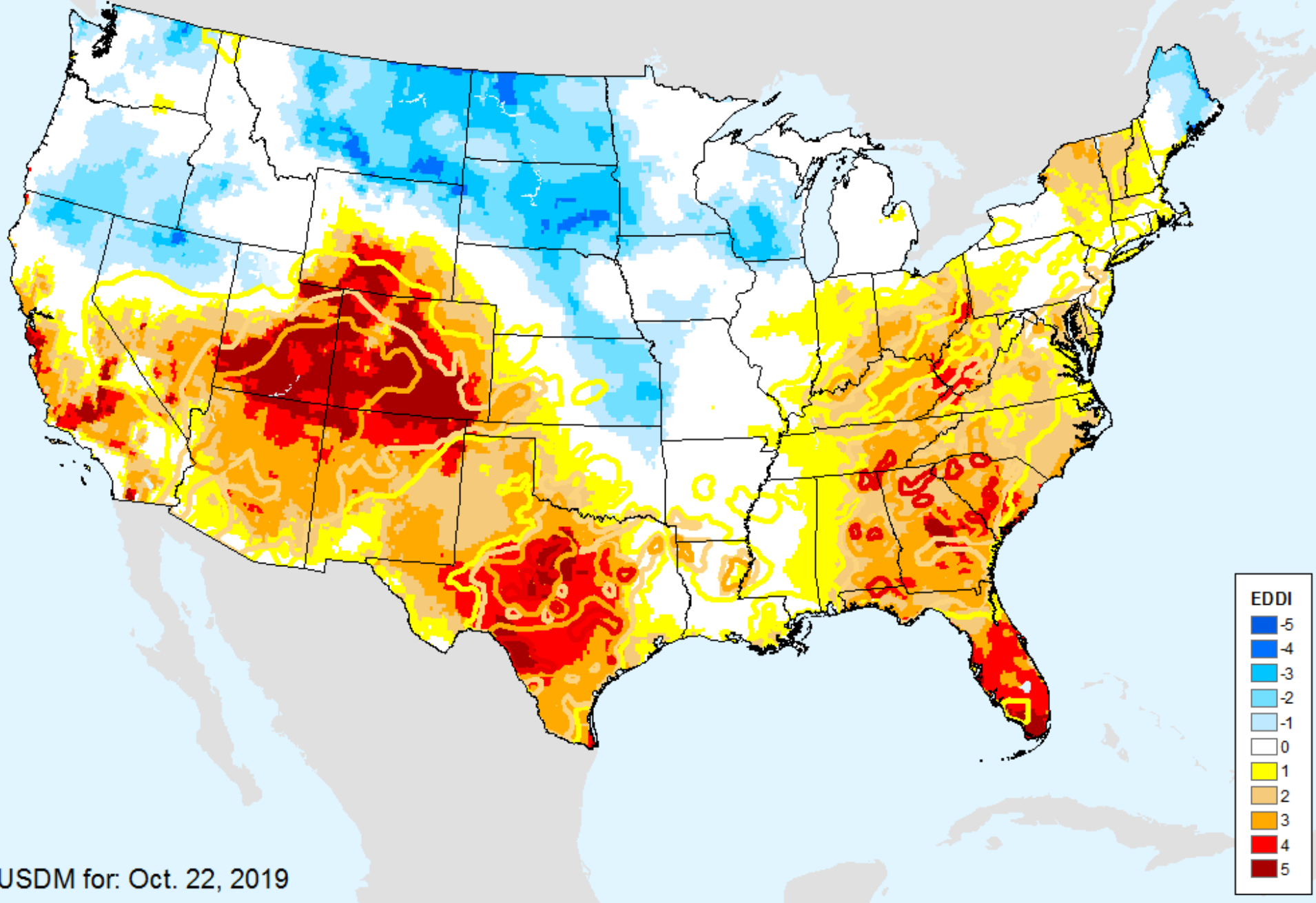
EDDI 11-week

As of: Tuesday, October 29, 2019



EDDI 12-week

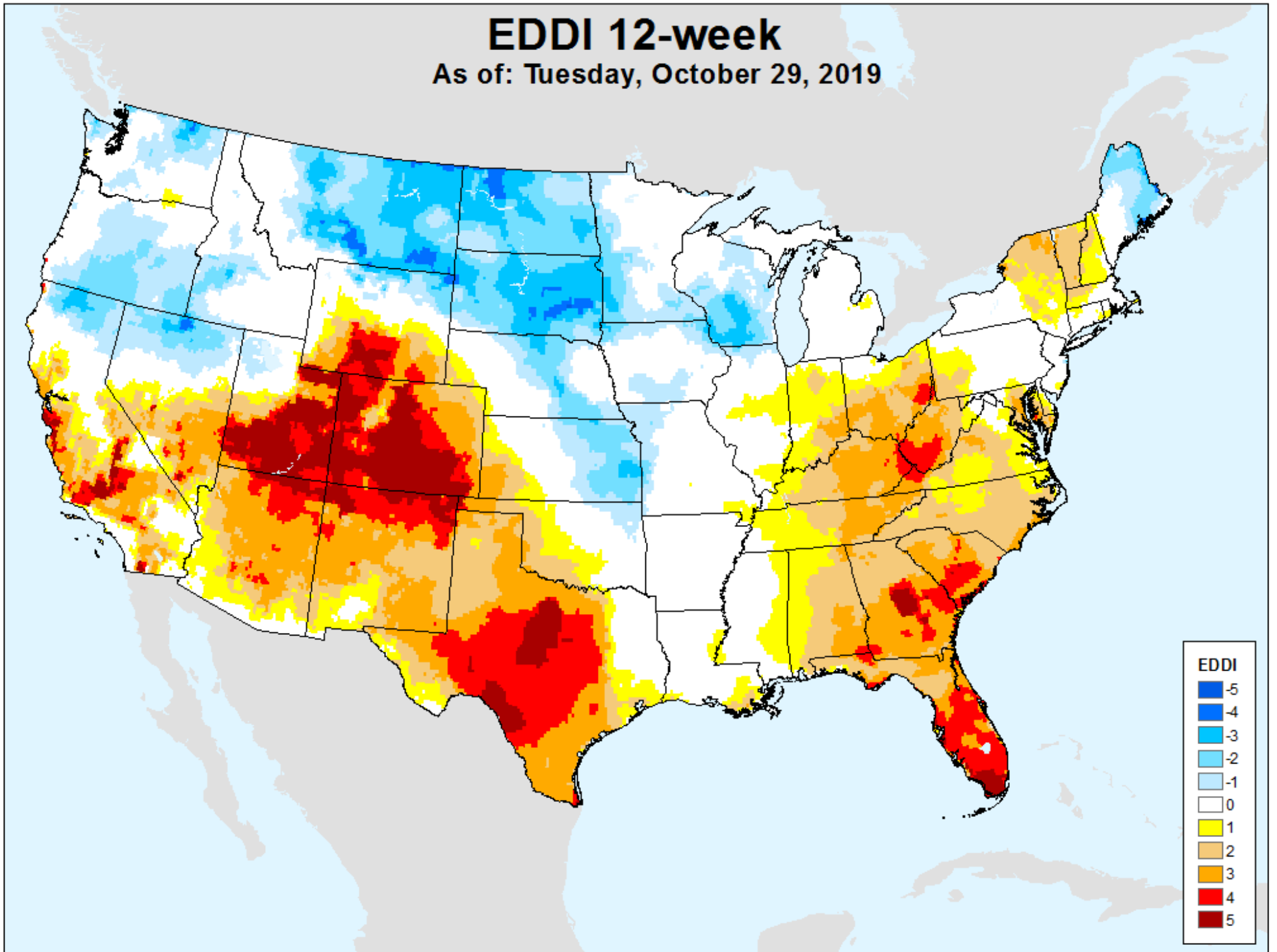
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

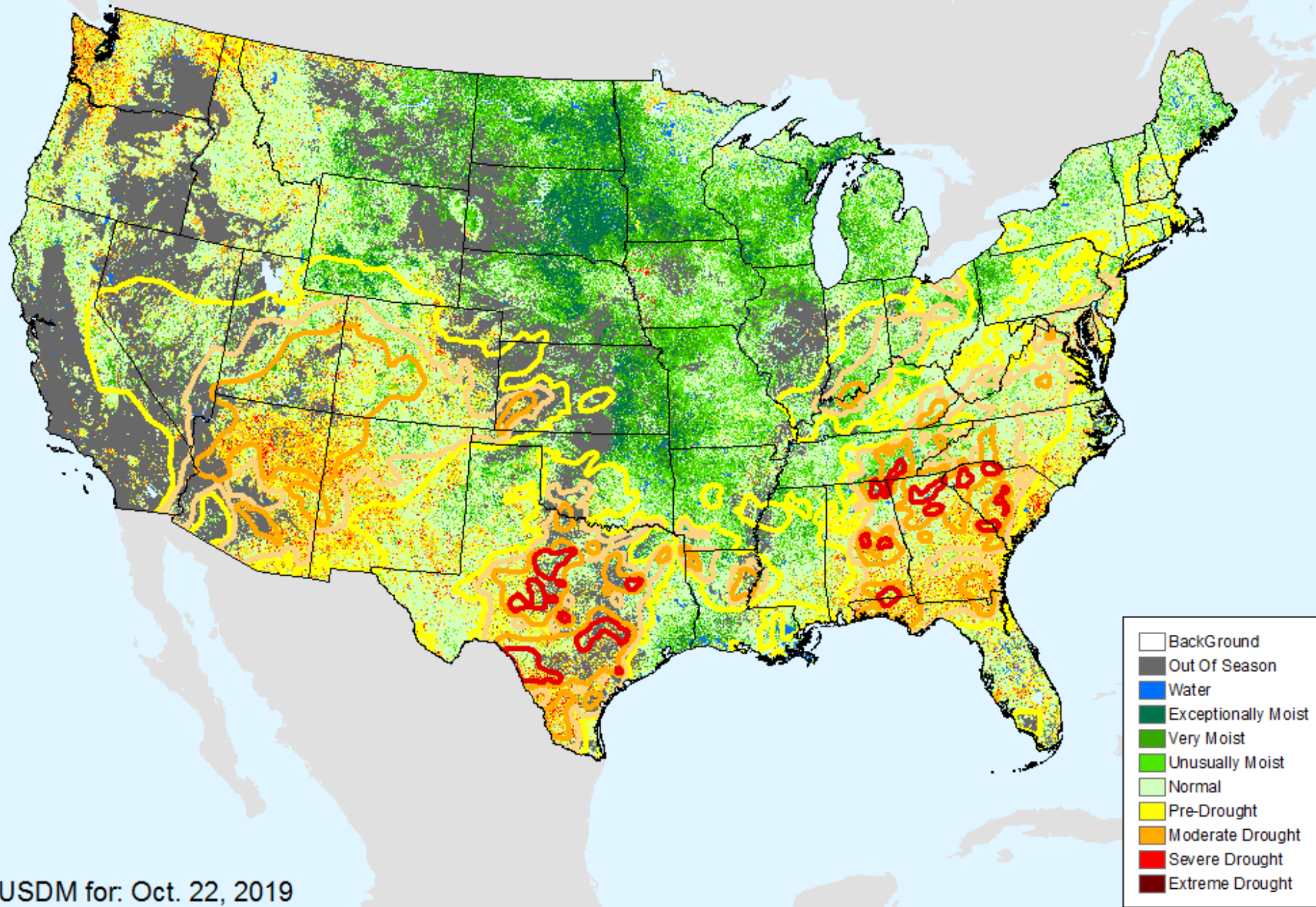
EDDI 12-week

As of: Tuesday, October 29, 2019



Vegetation Drought Response Index (VegDRI)

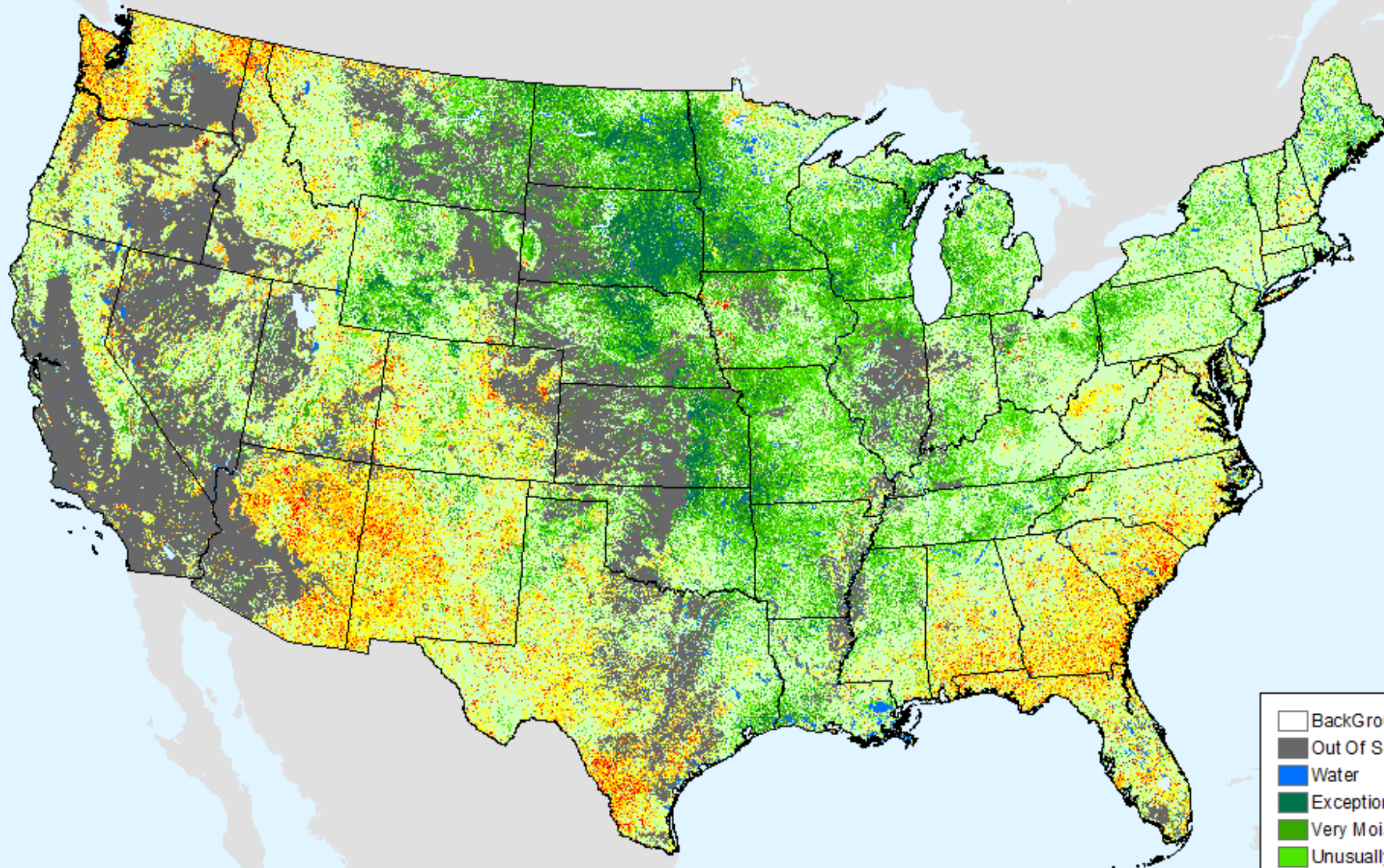
As of: Tuesday, October 29, 2019



USDM for: Oct. 22, 2019

Vegetation Drought Response Index (VegDRI)

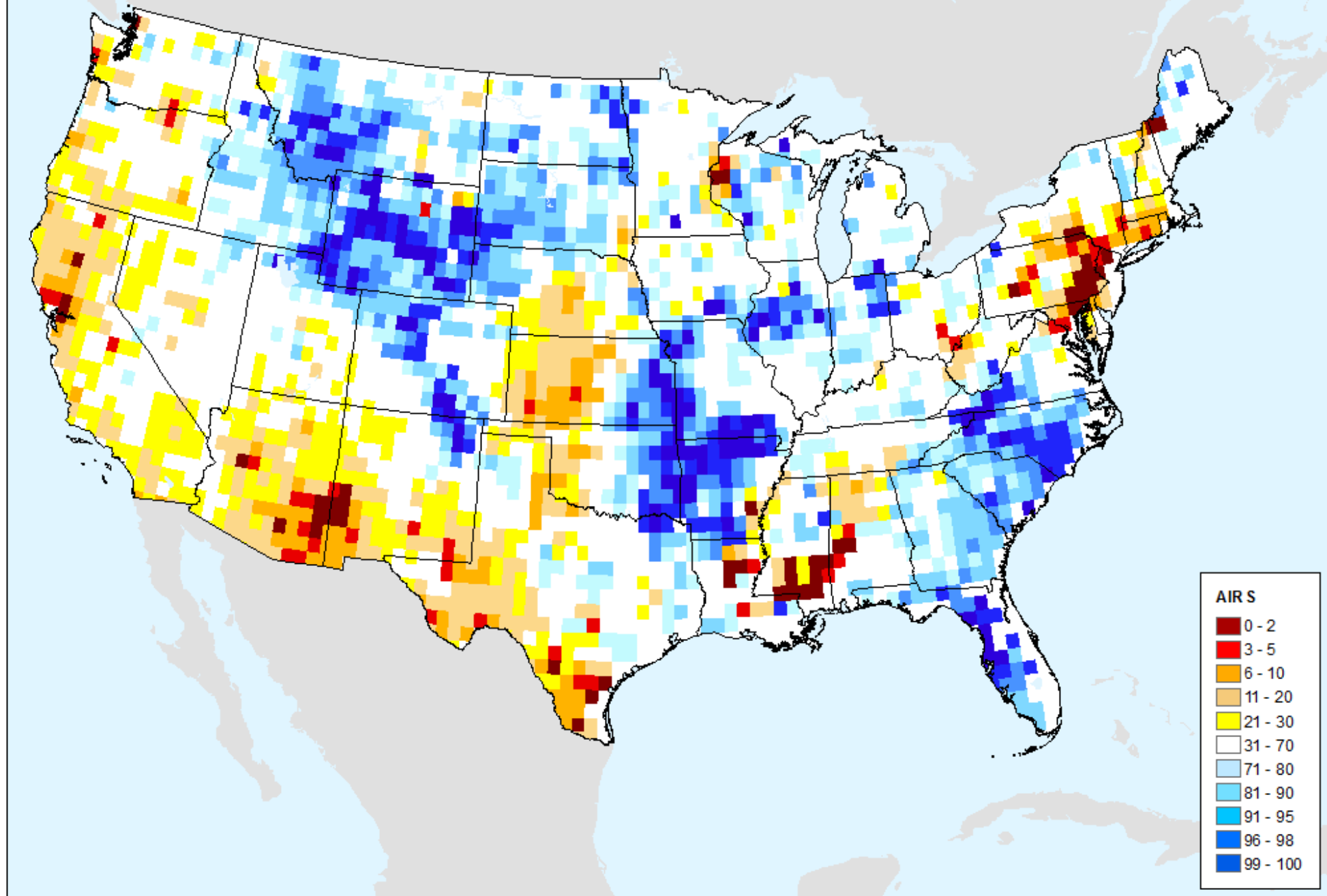
As of: Tuesday, October 29, 2019



- Background
- Out Of Season
- Water
- Exceptionally Moist
- Very Moist
- Unusually Moist
- Normal
- Pre-Drought
- Moderate Drought
- Severe Drought
- Extreme Drought

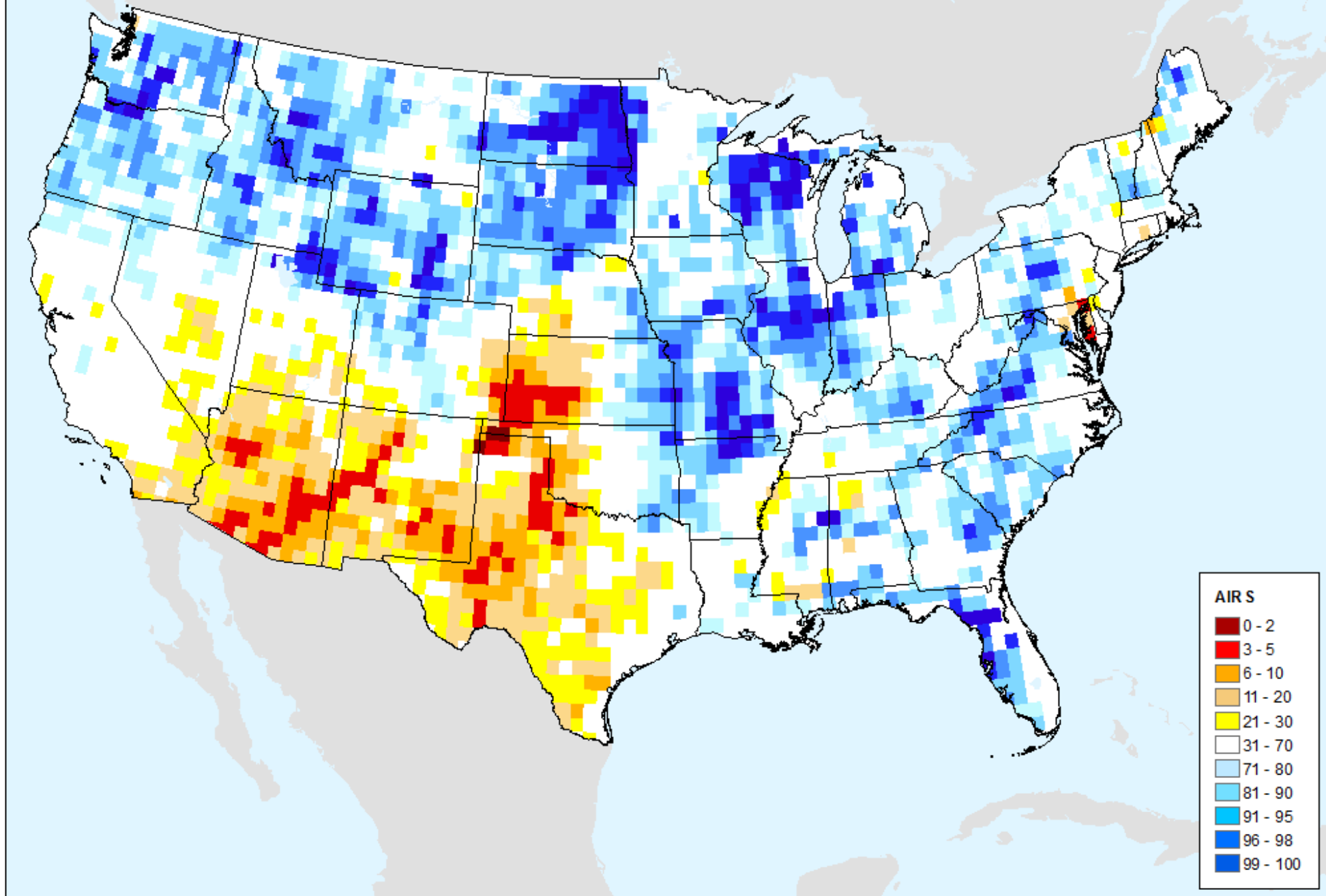
AIRS-Based Surface Relative Humidity 7 Day

As of: Tuesday, October 29, 2019



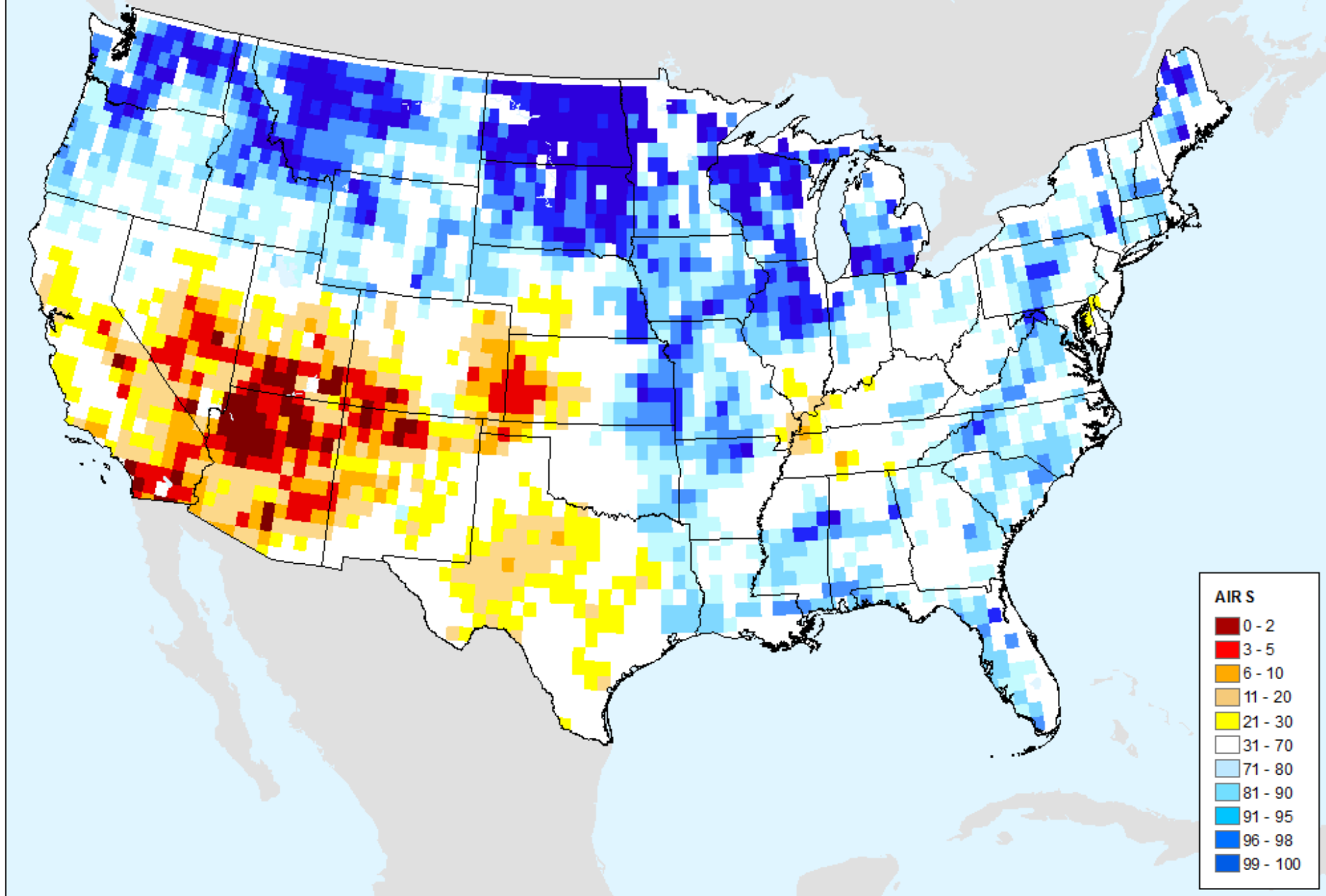
AIRS-Based Surface Relative Humidity 14 Day

As of: Tuesday, October 29, 2019



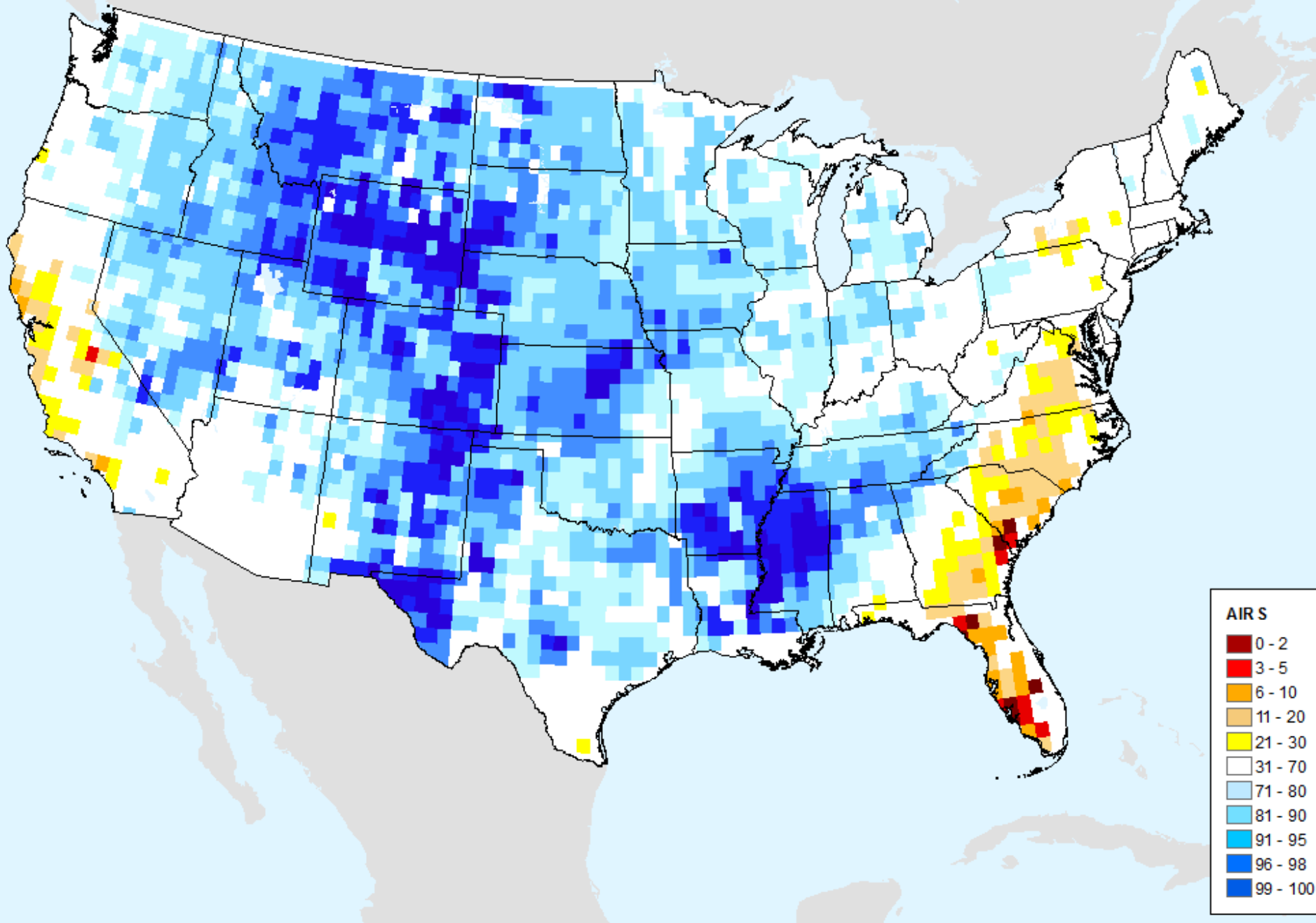
AIRS-Based Surface Relative Humidity 28 Day

As of: Tuesday, October 29, 2019



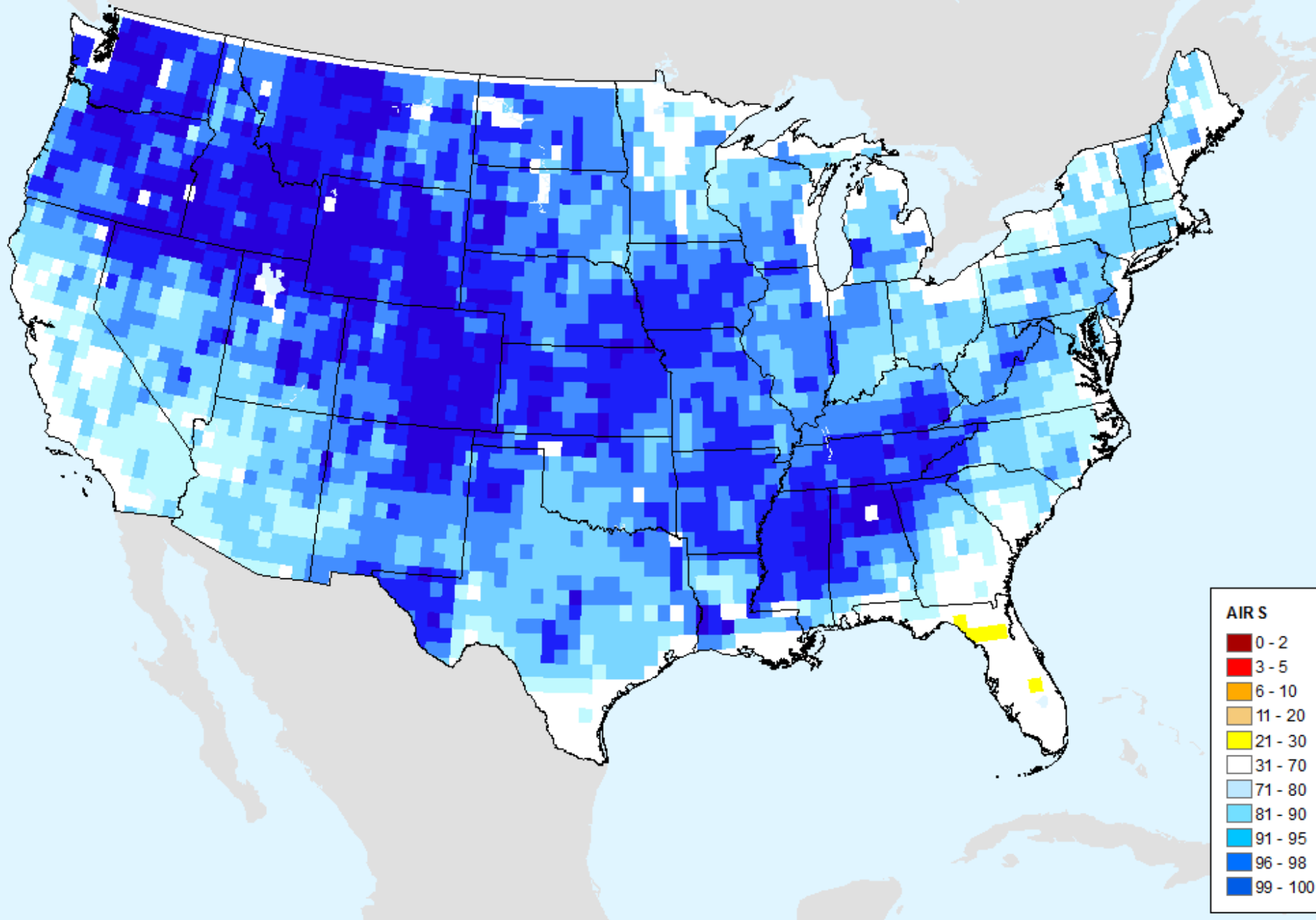
AIRS-Based Retrieved Surface Air Temperature 7 Day

As of: Tuesday, October 29, 2019



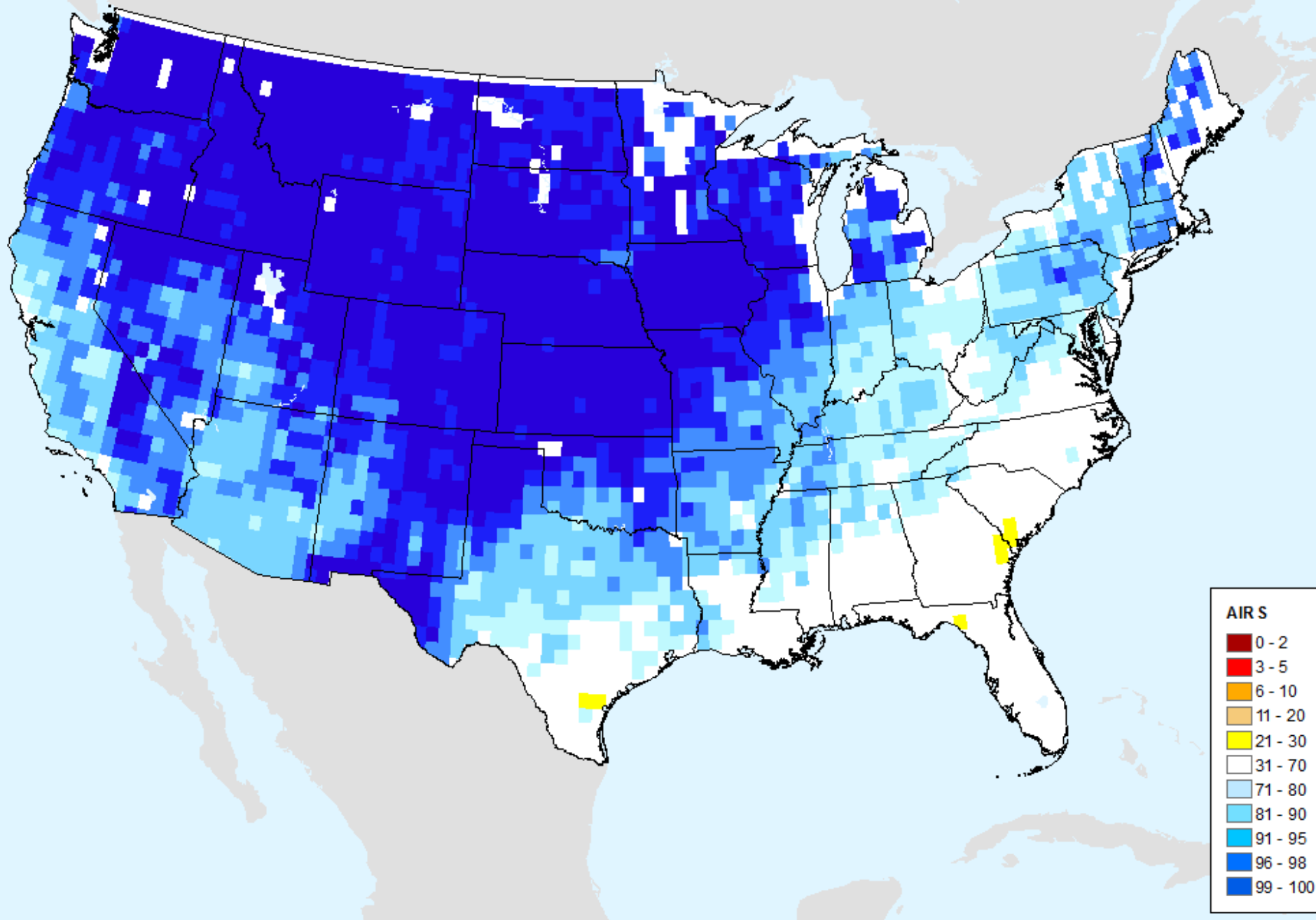
AIRS-Based Retrieved Surface Air Temperature 14 Day

As of: Tuesday, October 29, 2019



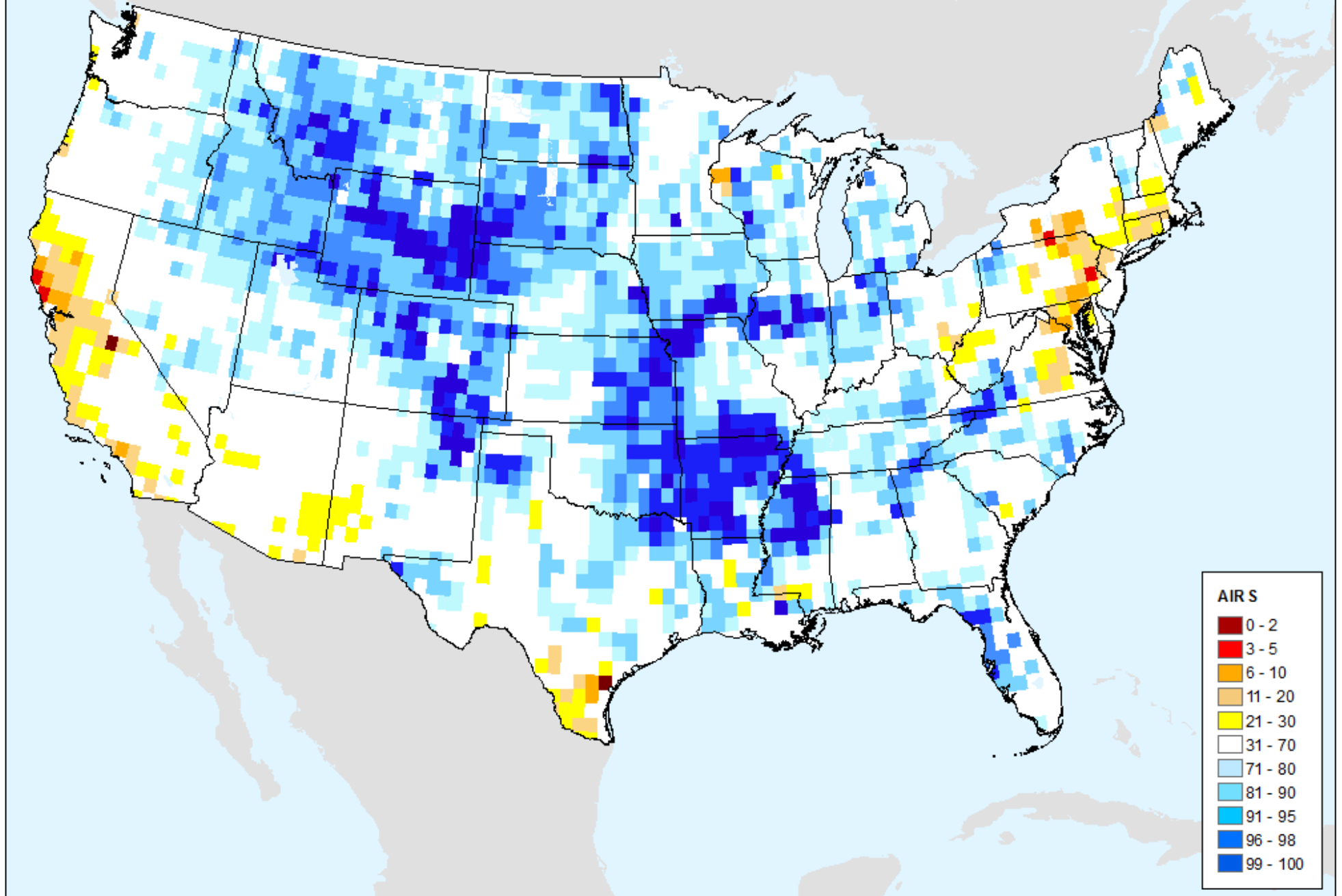
AIRS-Based Retrieved Surface Air Temperature 28 Day

As of: Tuesday, October 29, 2019



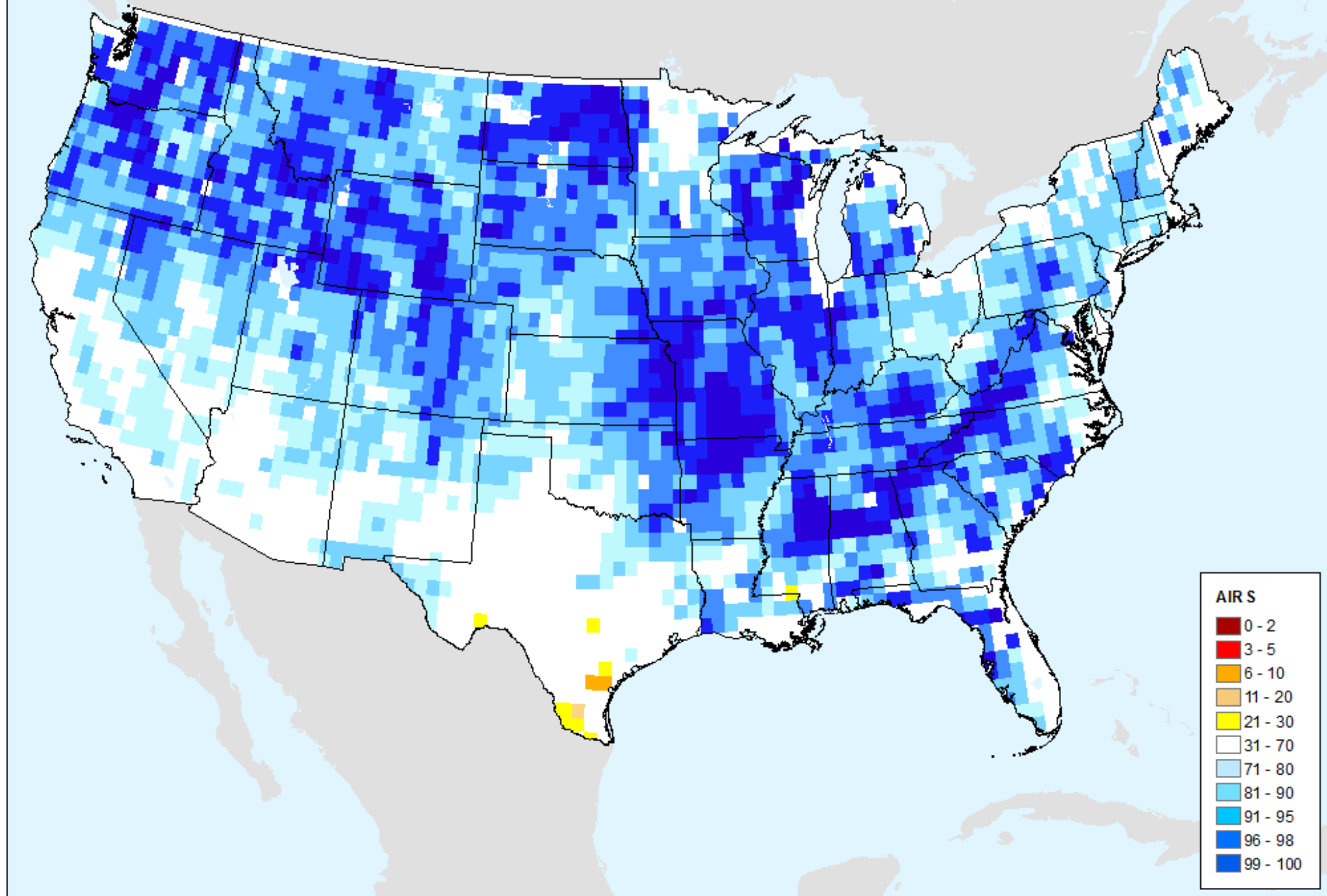
AIRS-Based Vapor Pressure Deficit 7 Day

As of: Tuesday, October 29, 2019



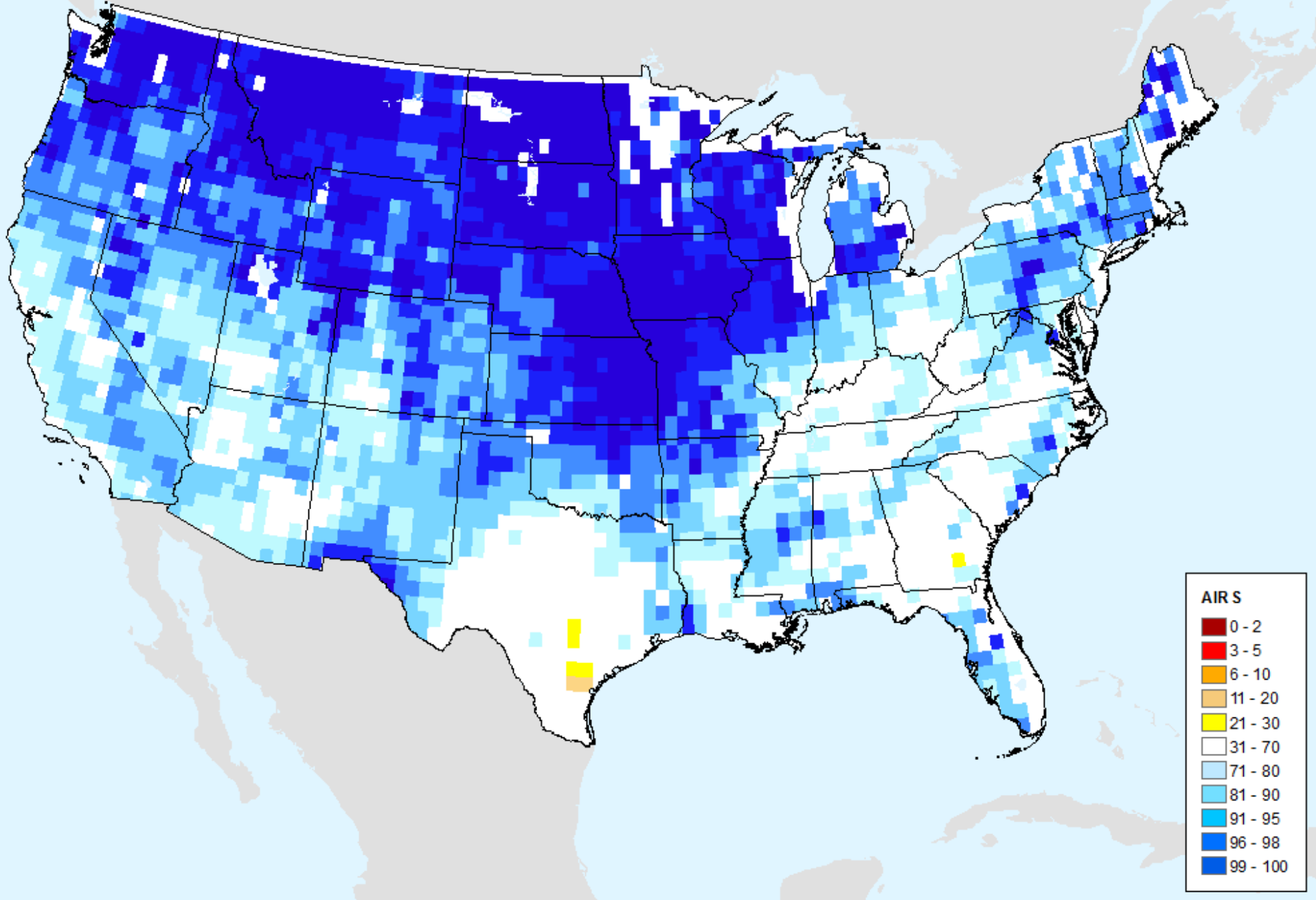
AIRS-Based Vapor Pressure Deficit 14 Day

As of: Tuesday, October 29, 2019

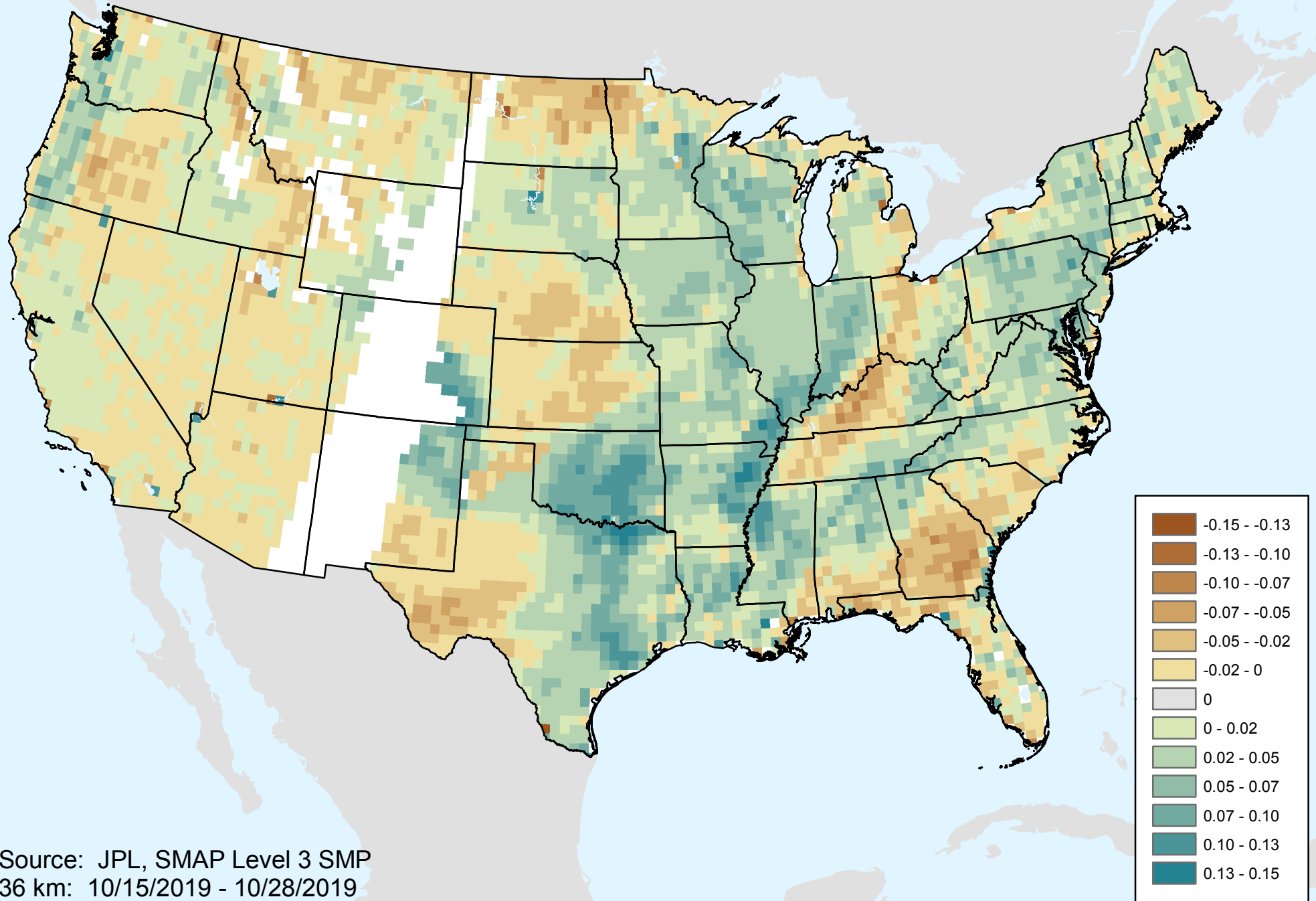


AIRS-Based Vapor Pressure Deficit 28 Day

As of: Tuesday, October 29, 2019

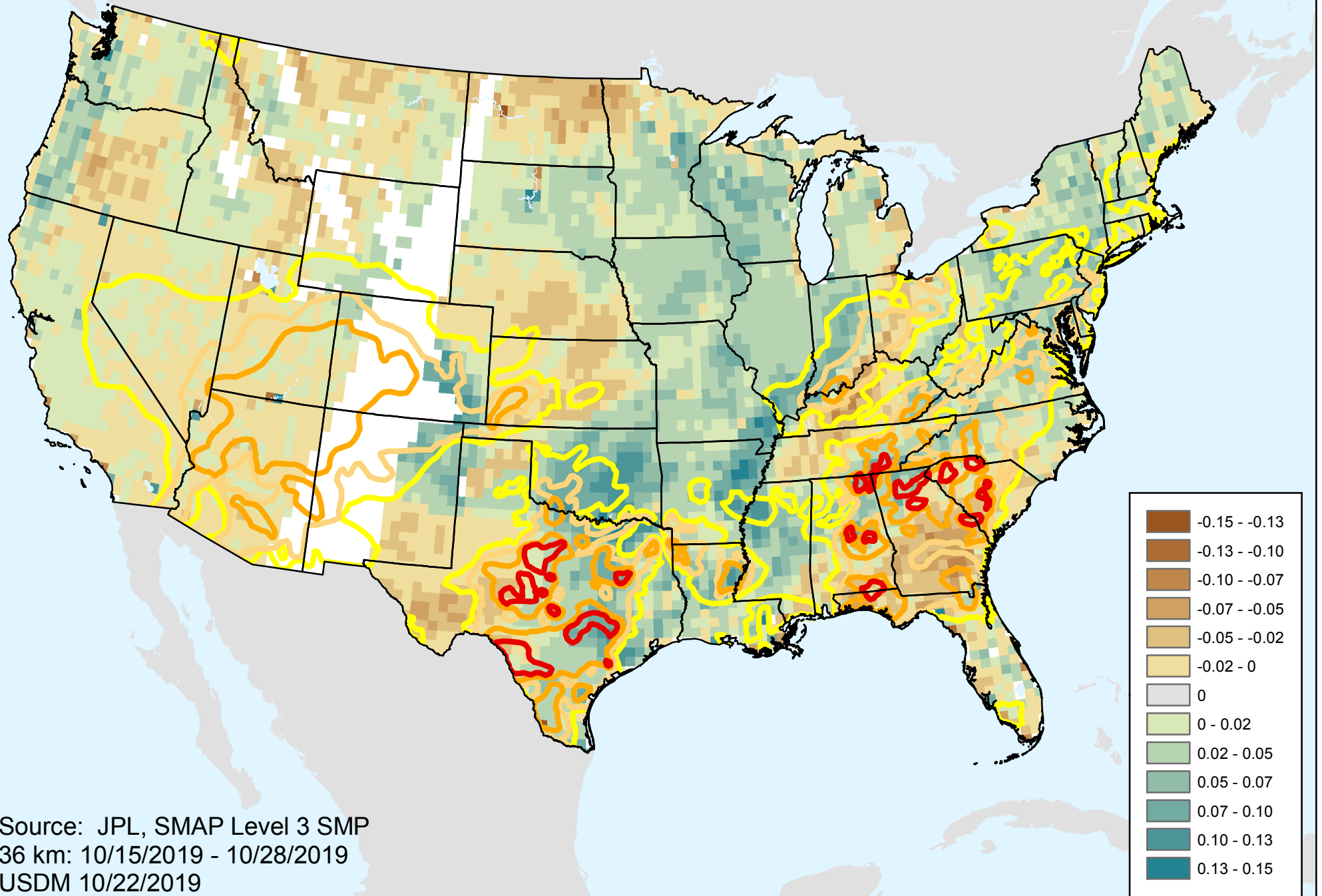


SMAP 1-Week Change in Soil Moisture 0-5 cm



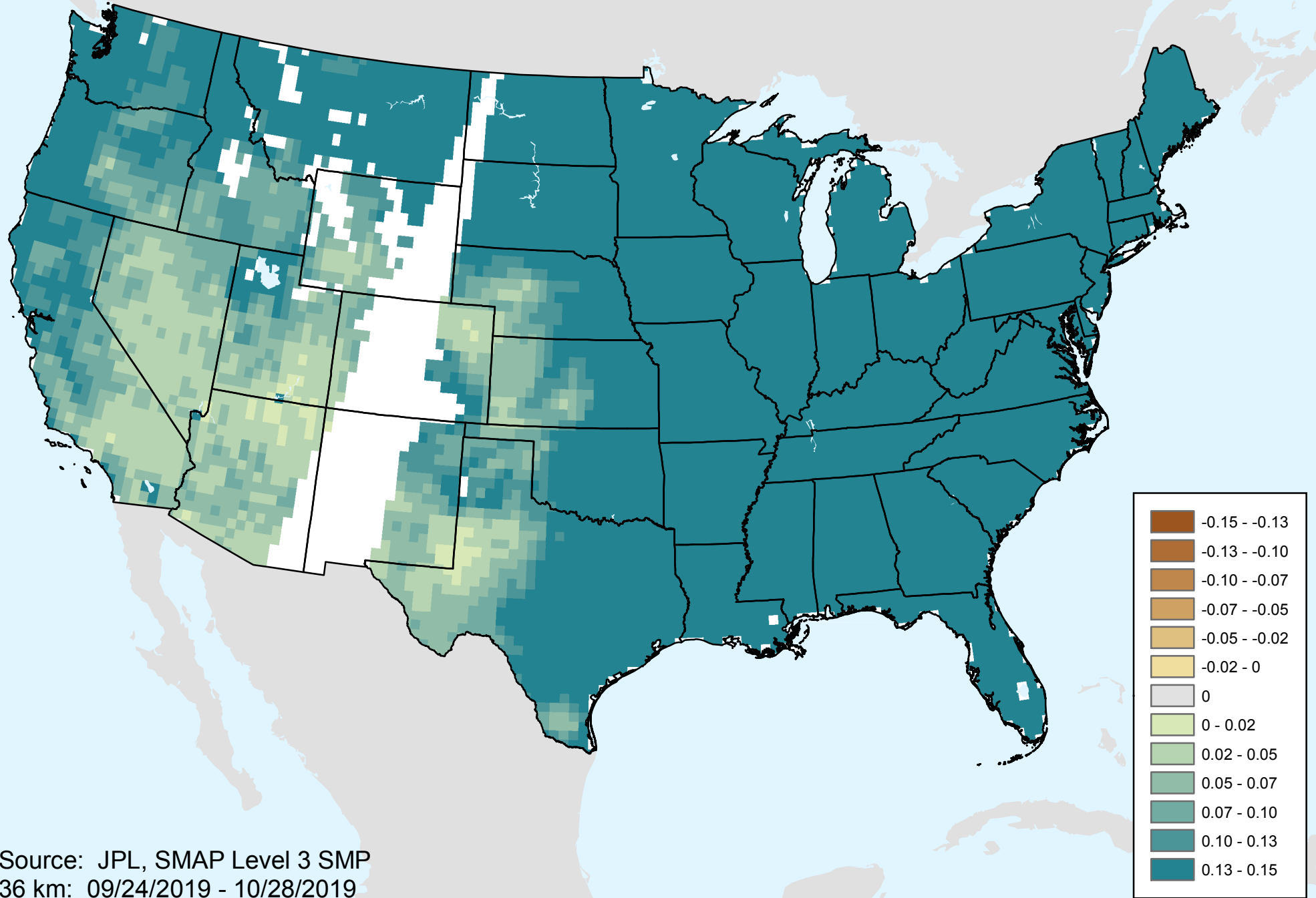
Source: JPL, SMAP Level 3 SMP
36 km: 10/15/2019 - 10/28/2019

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



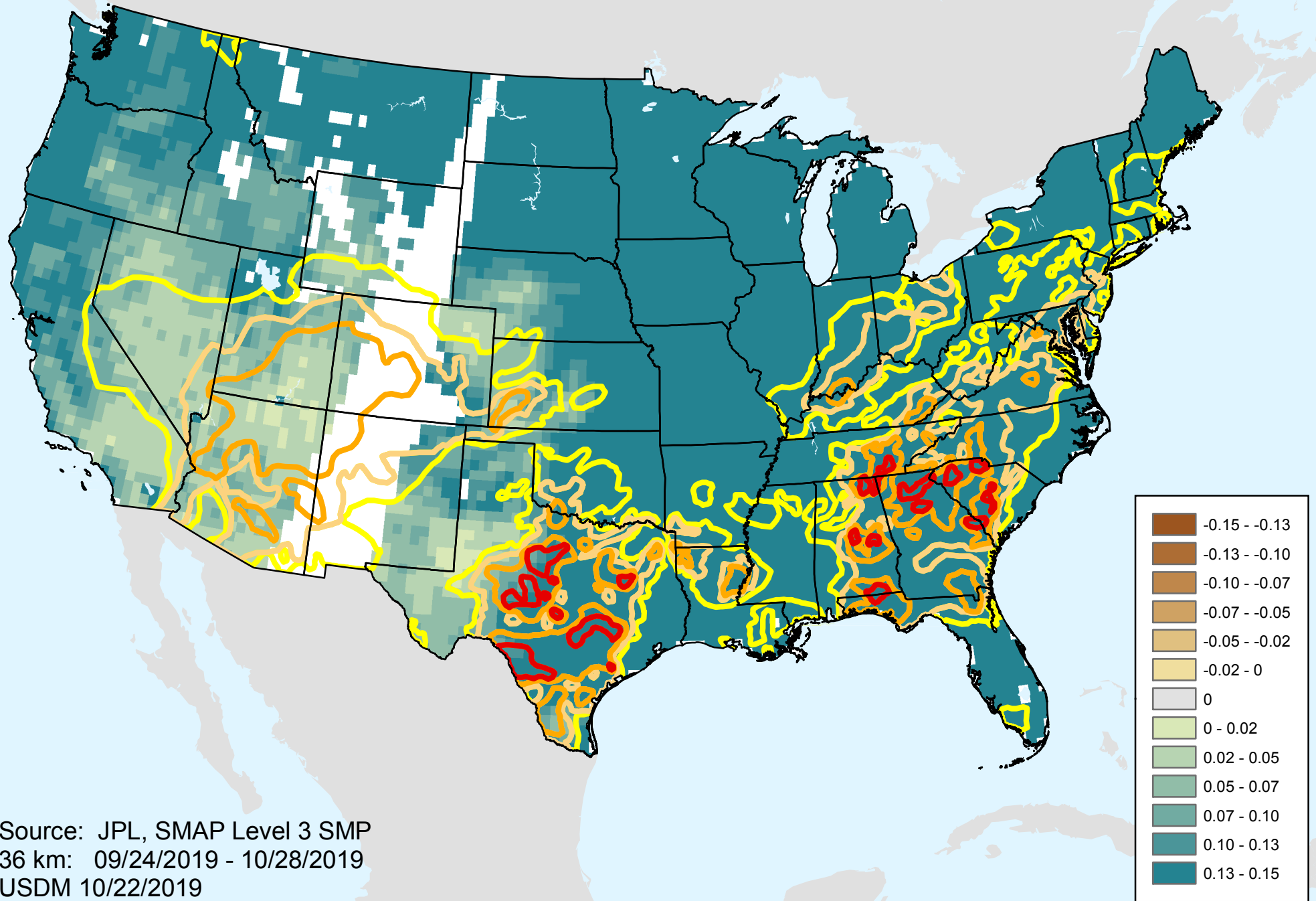
Source: JPL, SMAP Level 3 SMP
36 km: 10/15/2019 - 10/28/2019
USDM 10/22/2019

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



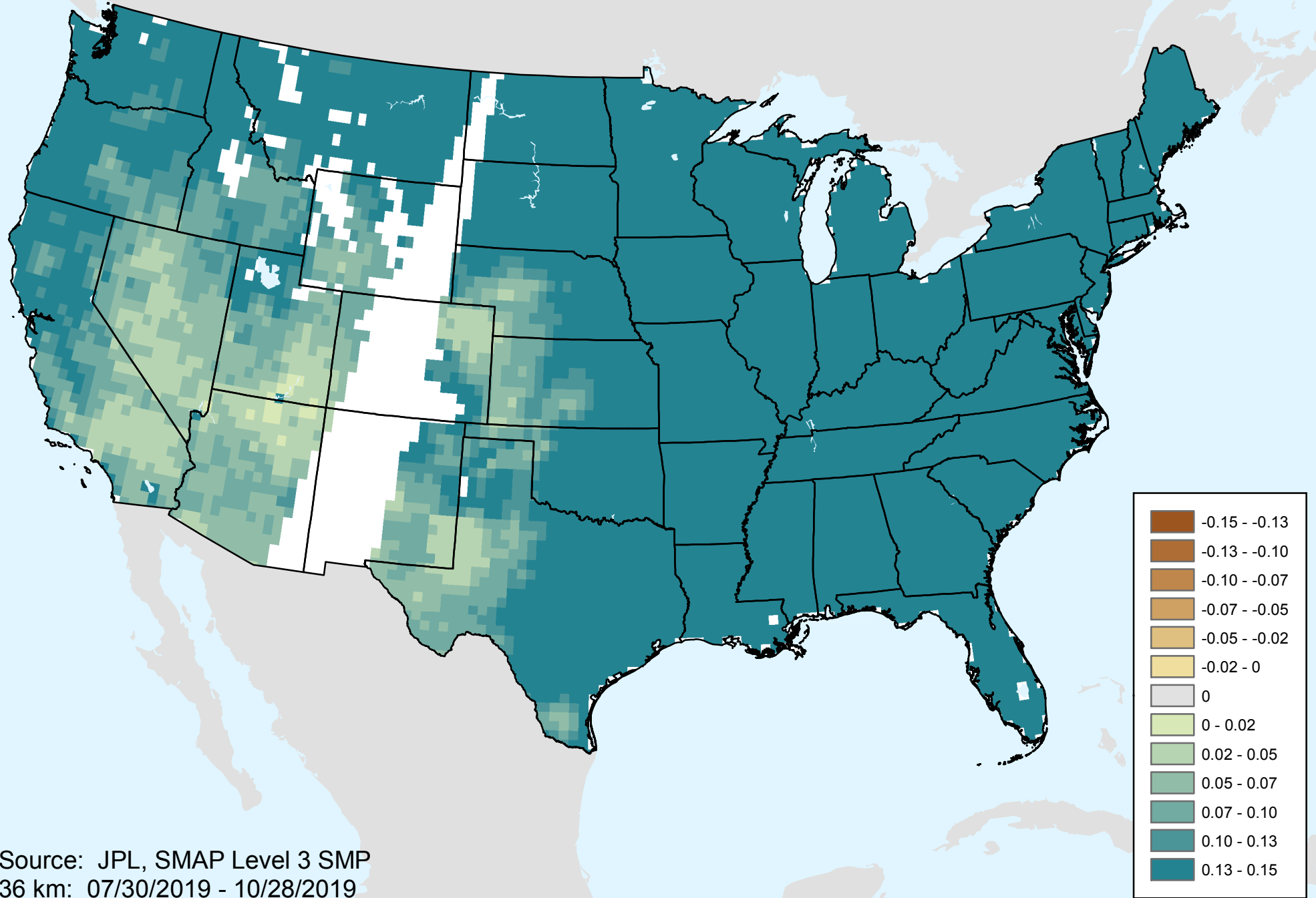
Source: JPL, SMAP Level 3 SMP
36 km: 09/24/2019 - 10/28/2019

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



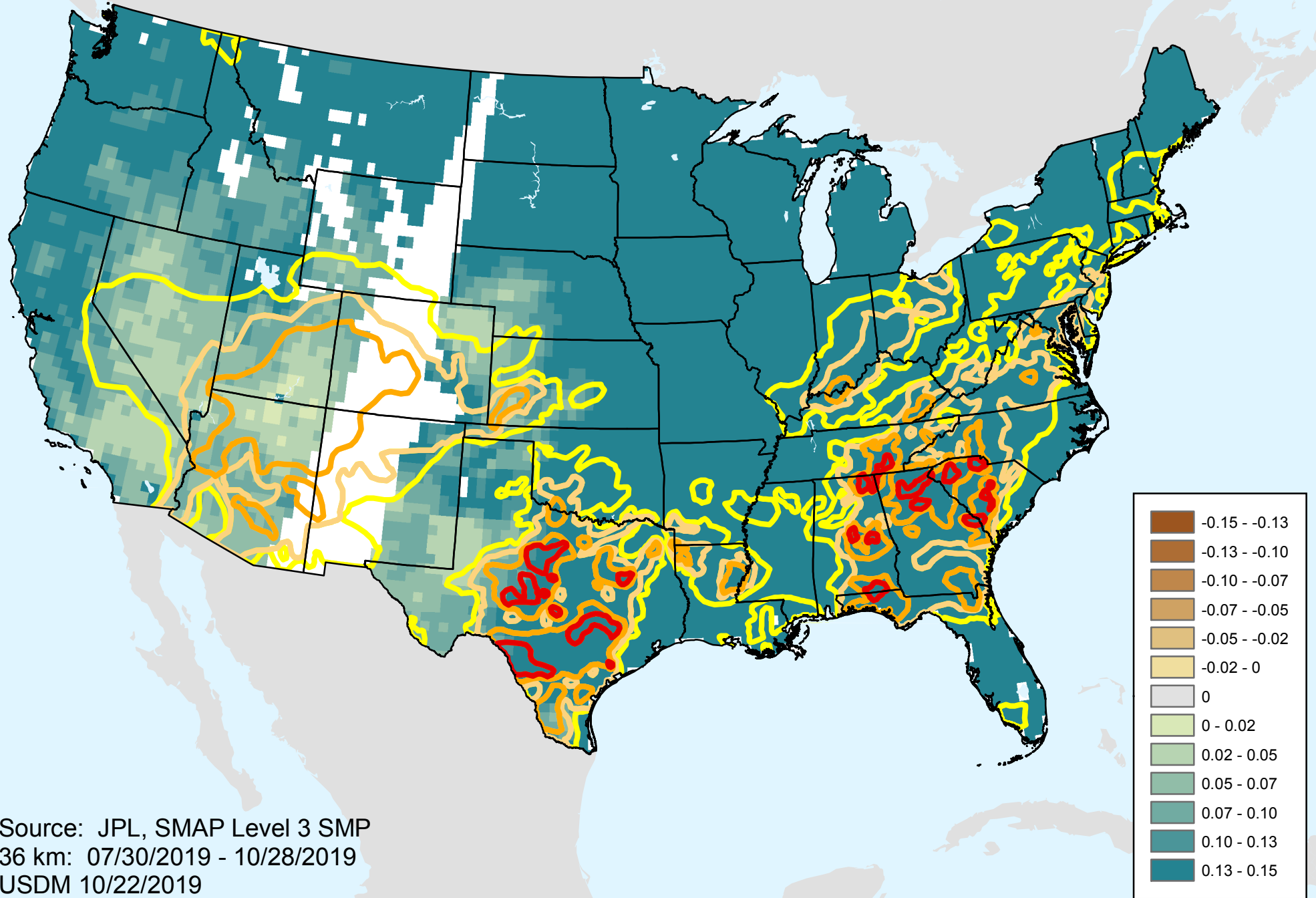
Source: JPL, SMAP Level 3 SMP
36 km: 09/24/2019 - 10/28/2019
USDM 10/22/2019

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



Source: JPL, SMAP Level 3 SMP
36 km: 07/30/2019 - 10/28/2019

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



Source: JPL, SMAP Level 3 SMP
36 km: 07/30/2019 - 10/28/2019
USDM 10/22/2019