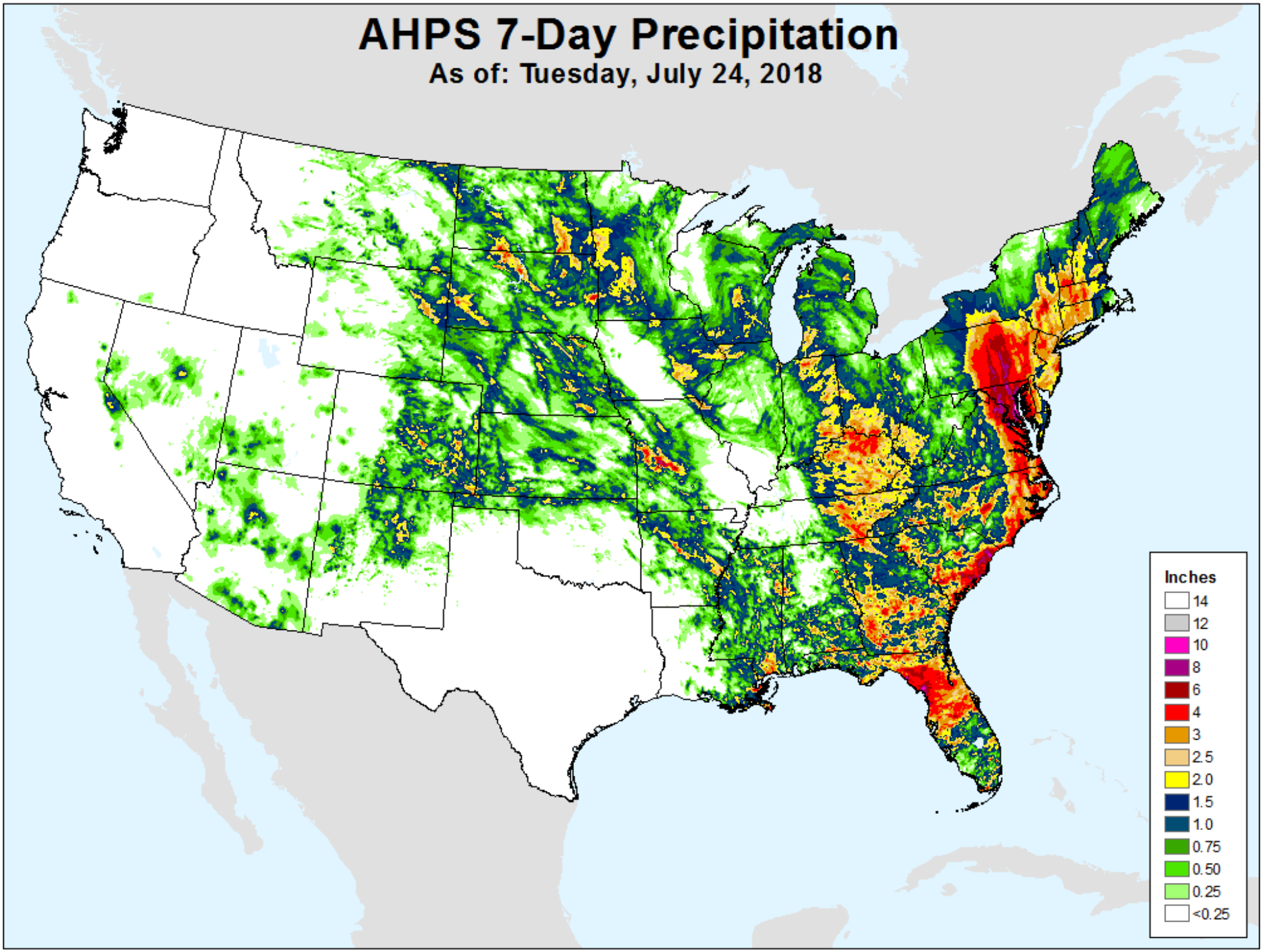
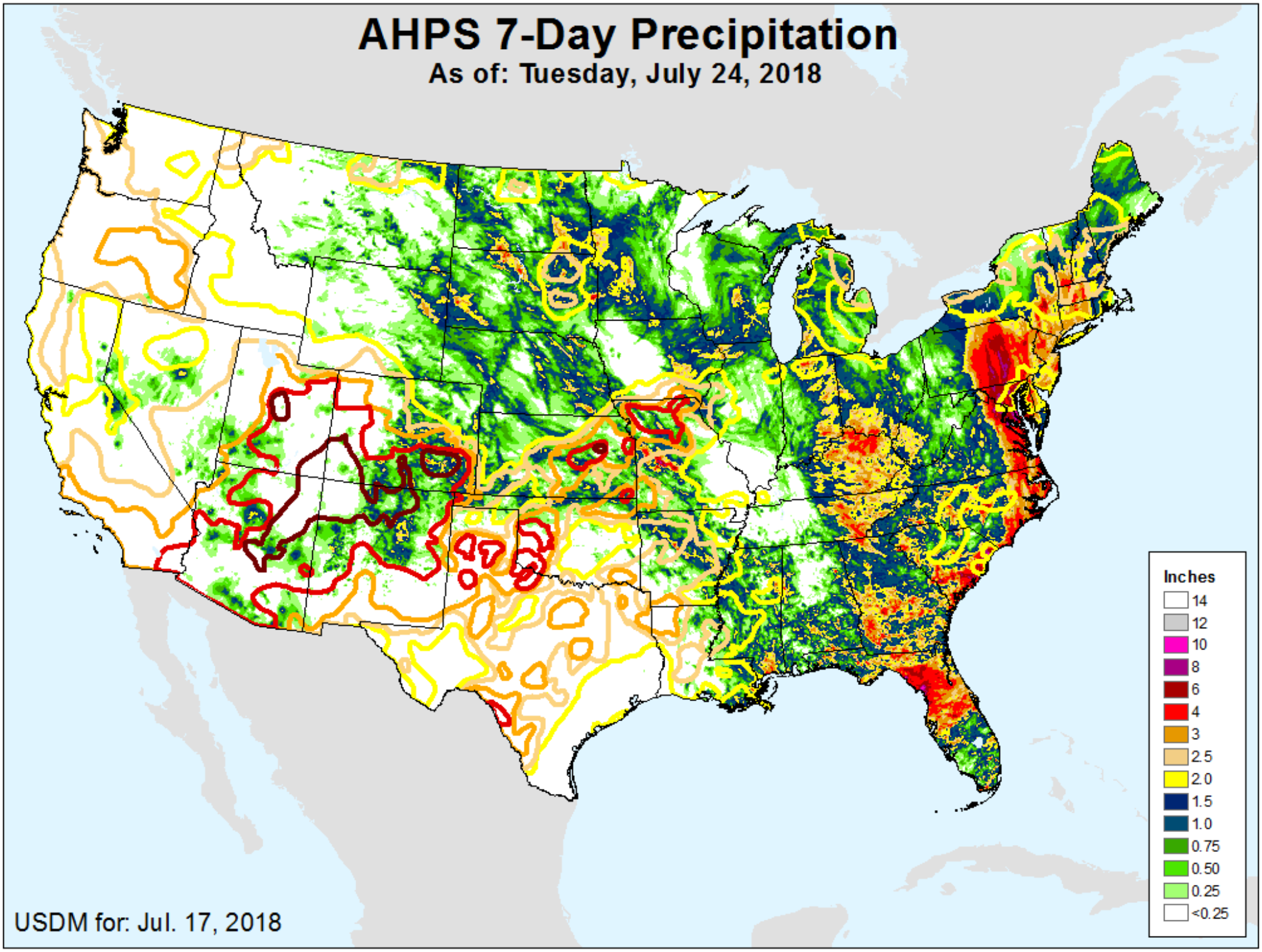
AHPS 7-Day Precipitation

As of: Tuesday, July 24, 2018



AHPS 7-Day Precipitation

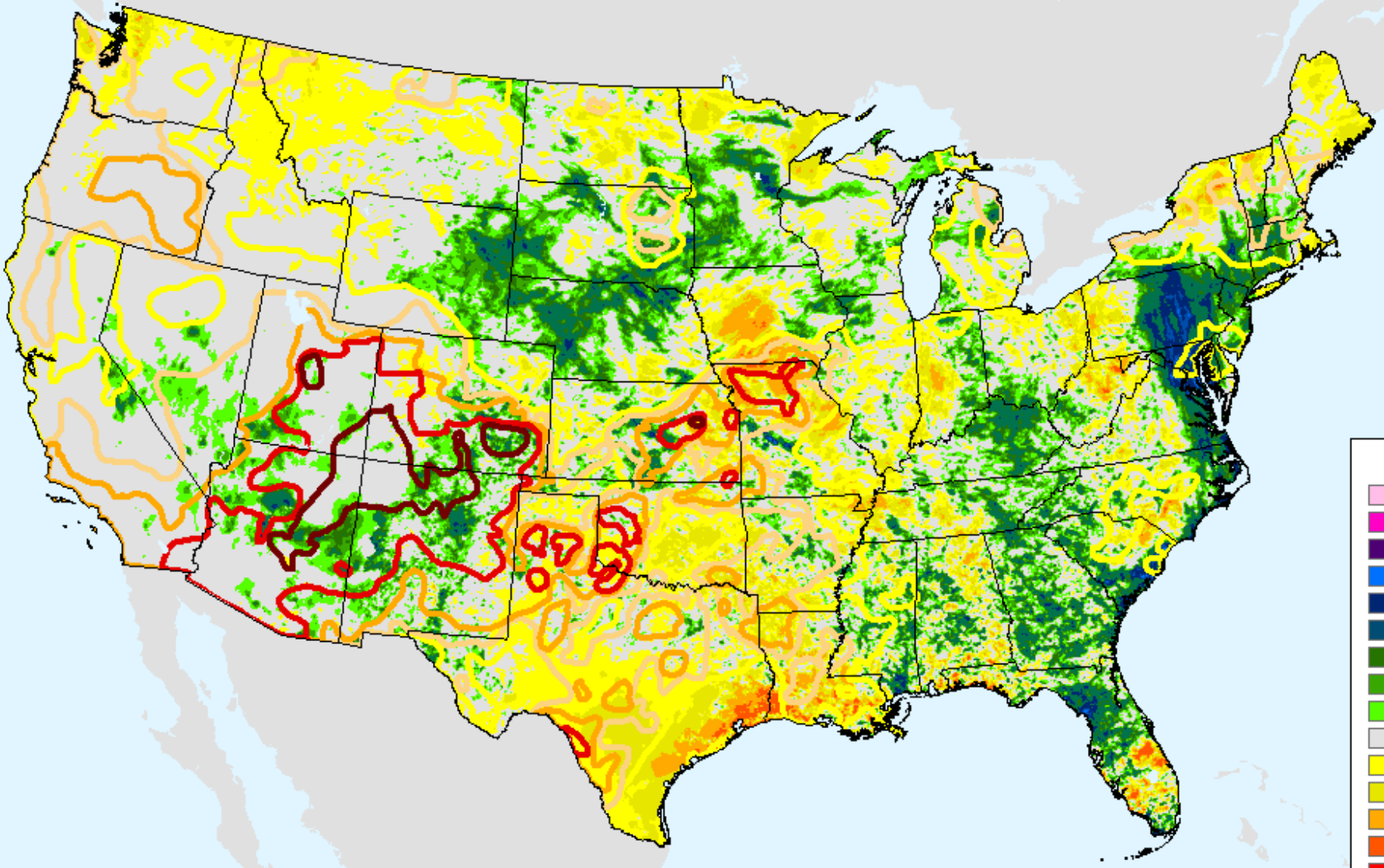
As of: Tuesday, July 24, 2018



USDM for: Jul. 17, 2018

AHPS 14-Day Precip Departure

As of: Tuesday, July 24, 2018



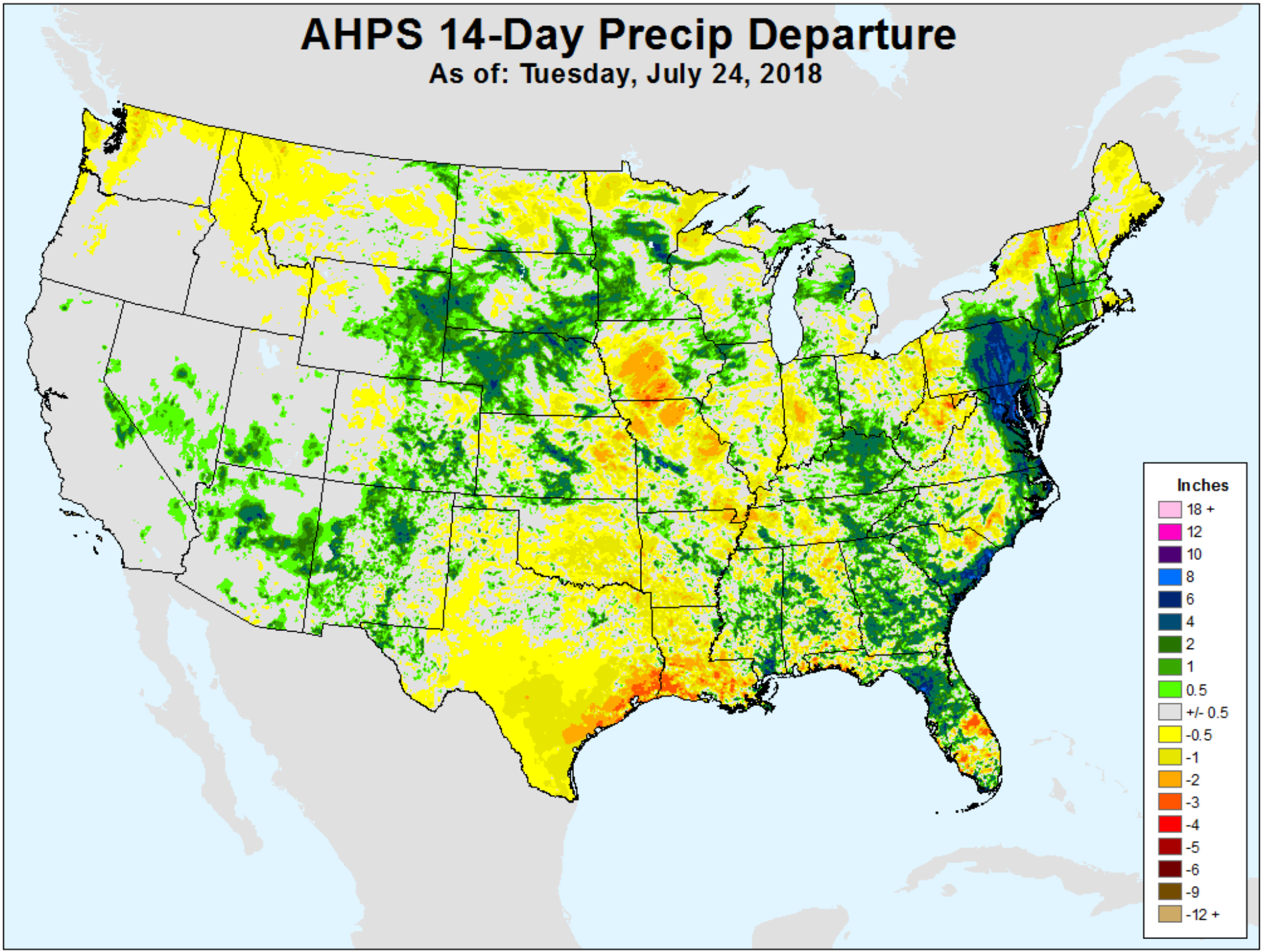
Inches

- 18 +
- 12
- 10
- 8
- 6
- 4
- 2
- 1
- 0.5
- +/- 0.5
- -0.5
- -1
- -2
- -3
- -4
- -5
- -6
- -9
- -12 +

USDM for: Jul. 17, 2018

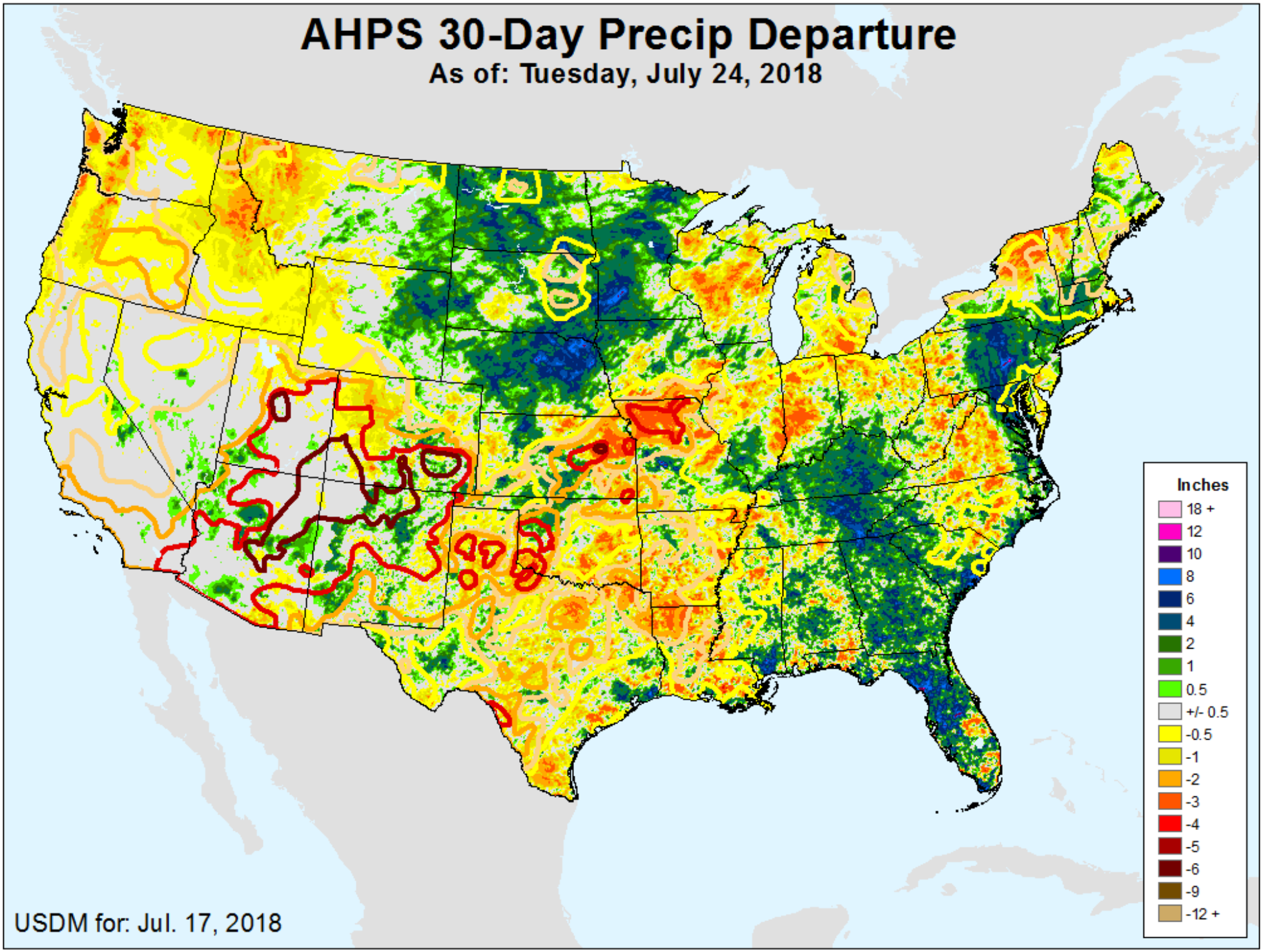
AHPS 14-Day Precip Departure

As of: Tuesday, July 24, 2018



AHPS 30-Day Precip Departure

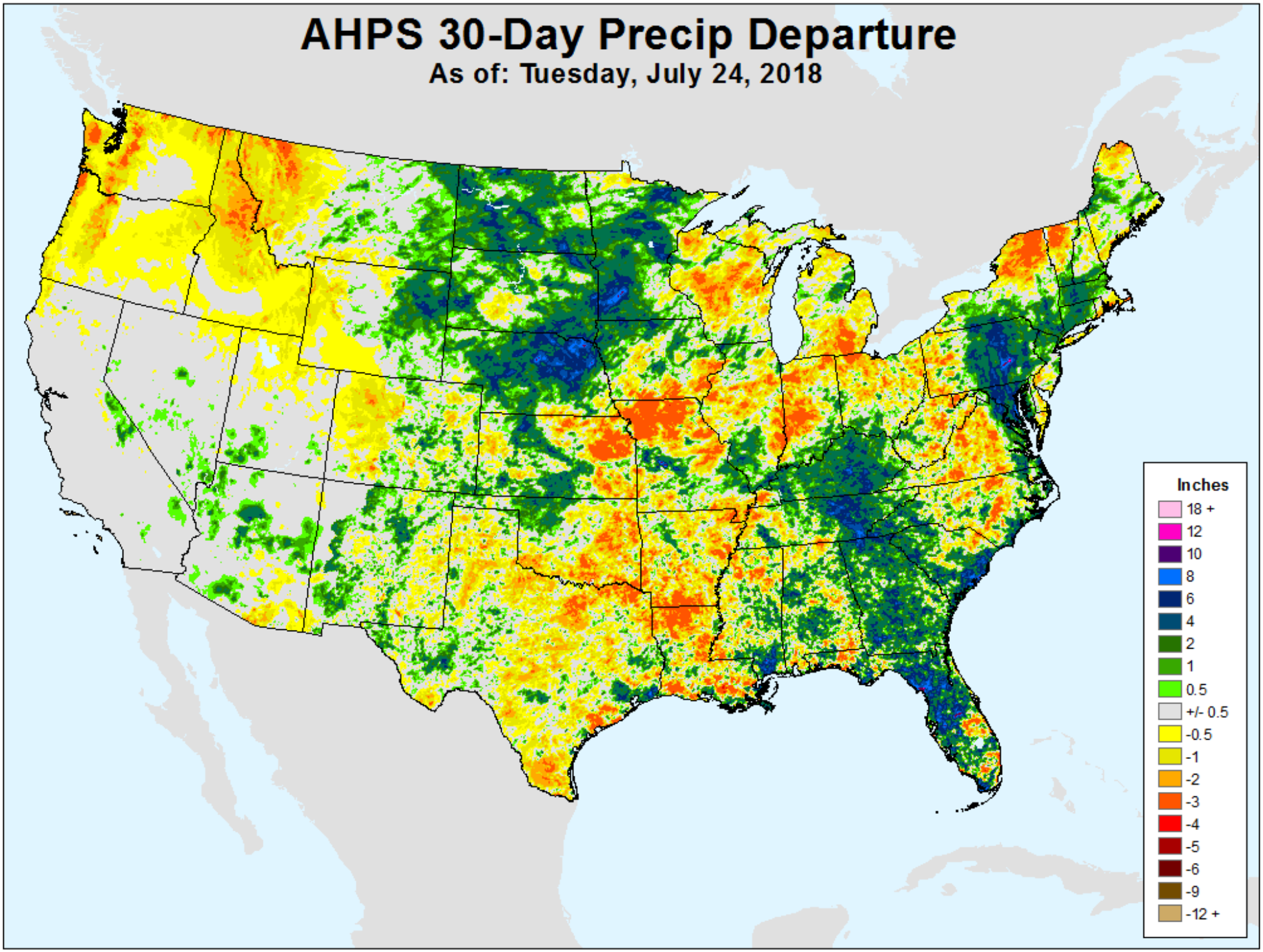
As of: Tuesday, July 24, 2018

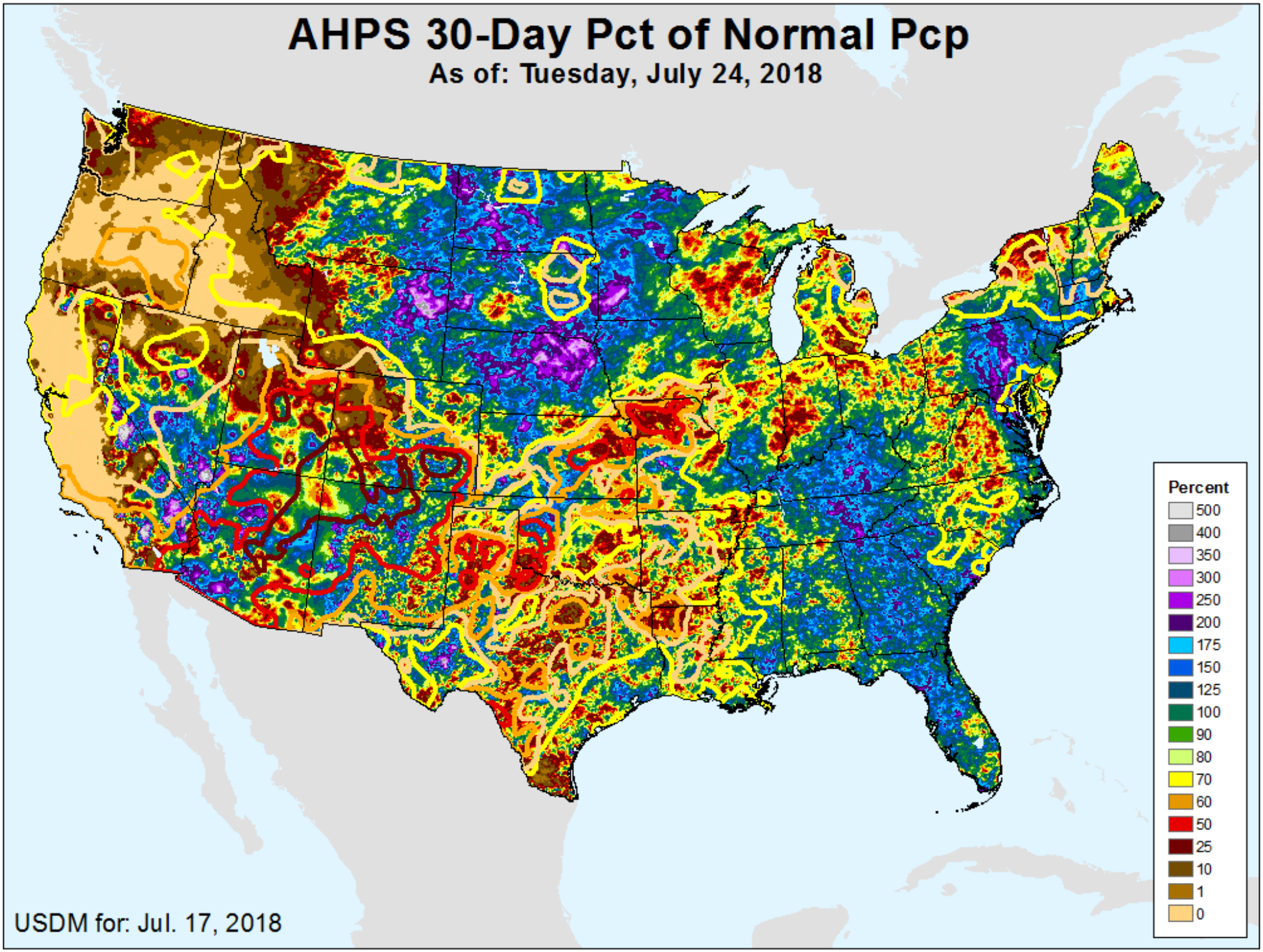


USDM for: Jul. 17, 2018

AHPS 30-Day Precip Departure

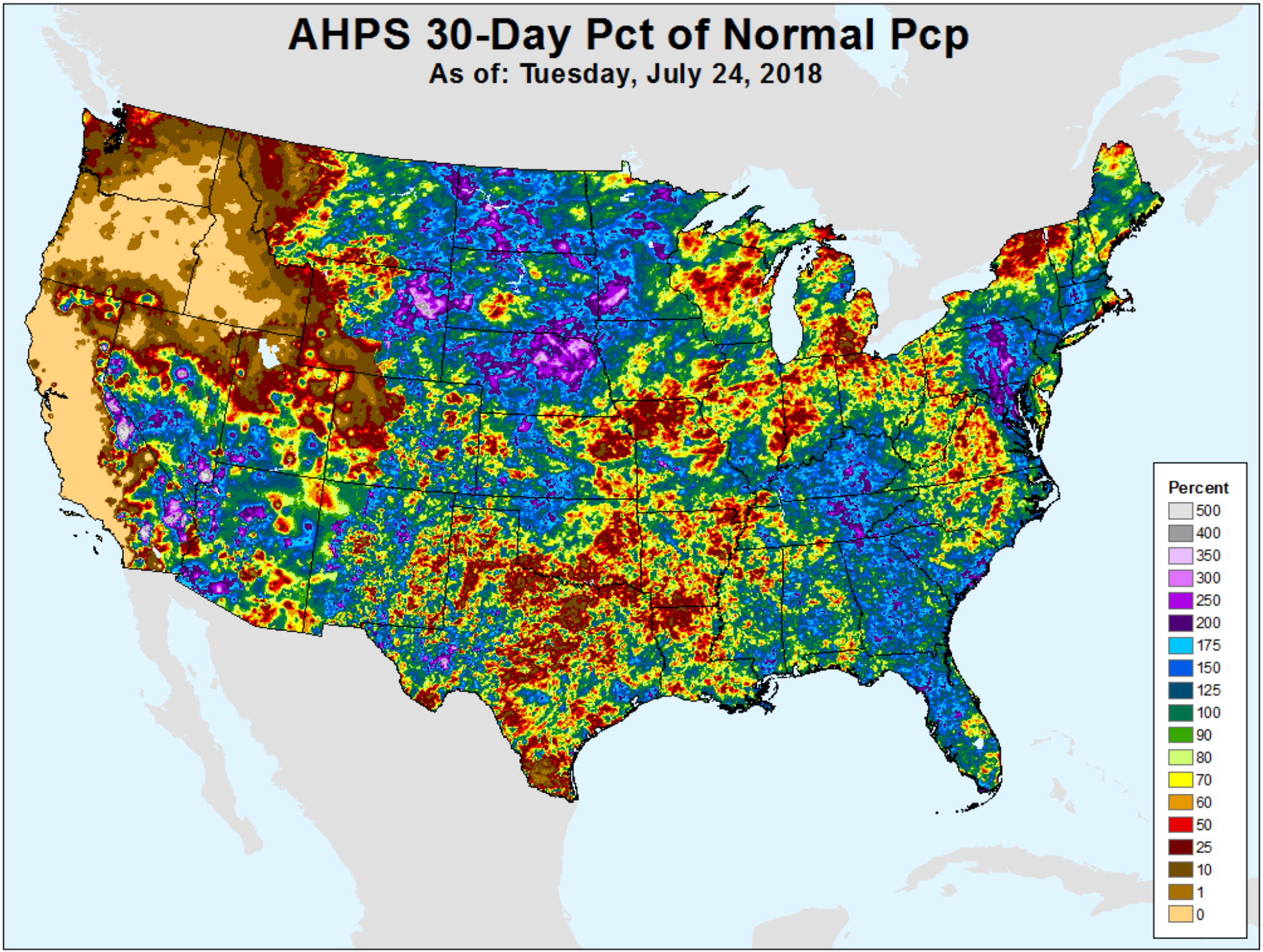
As of: Tuesday, July 24, 2018




AHPS 30-Day Pct of Normal Pcp
As of: Tuesday, July 24, 2018
Percent
500
400
350
300
250
200
175
150
125
100
90
80
70
60
50
25
10
1
0
USDM for: Jul. 17, 2018

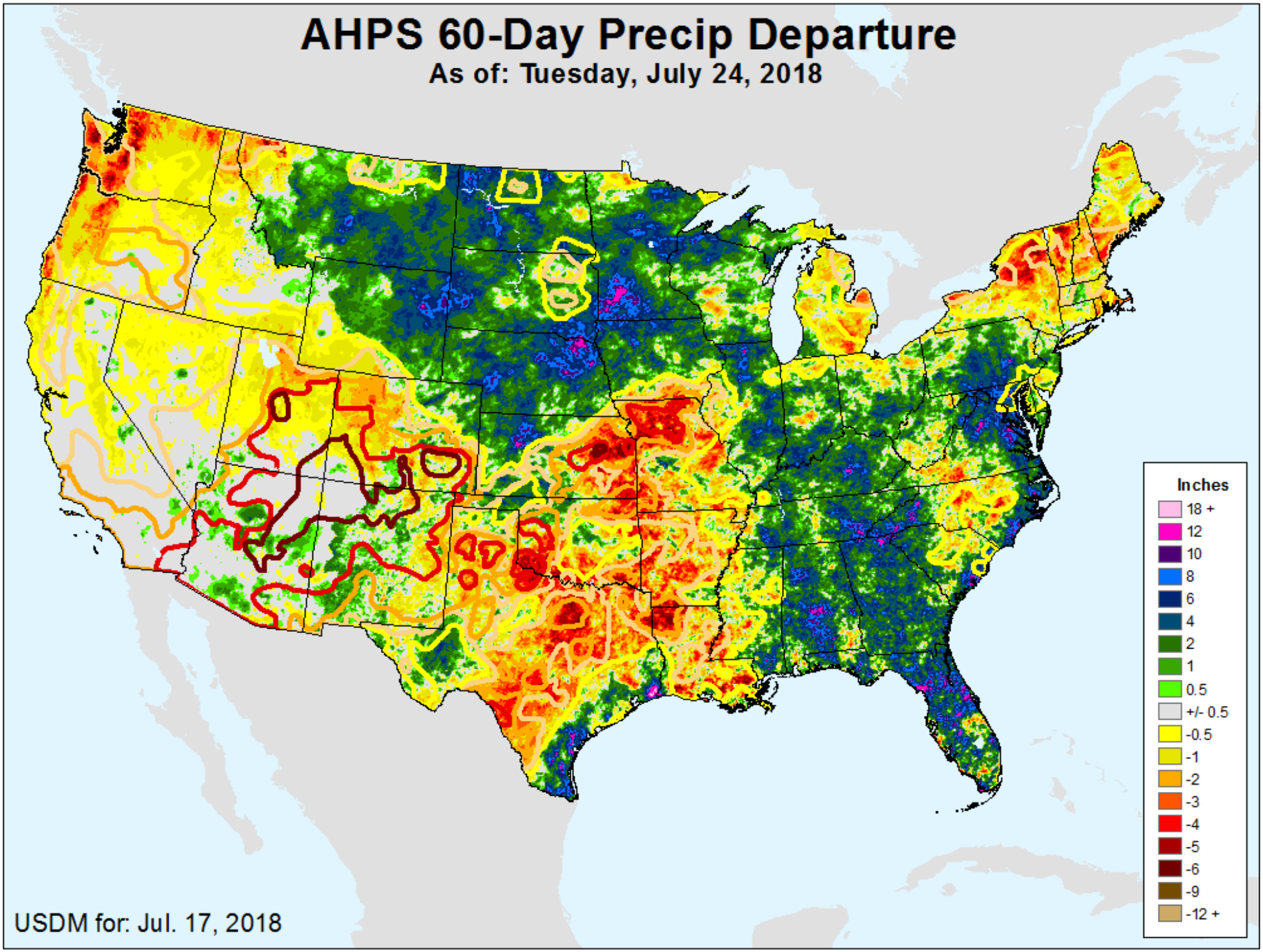
AHPS 30-Day Pct of Normal Pcp

As of: Tuesday, July 24, 2018



AHPS 60-Day Precip Departure

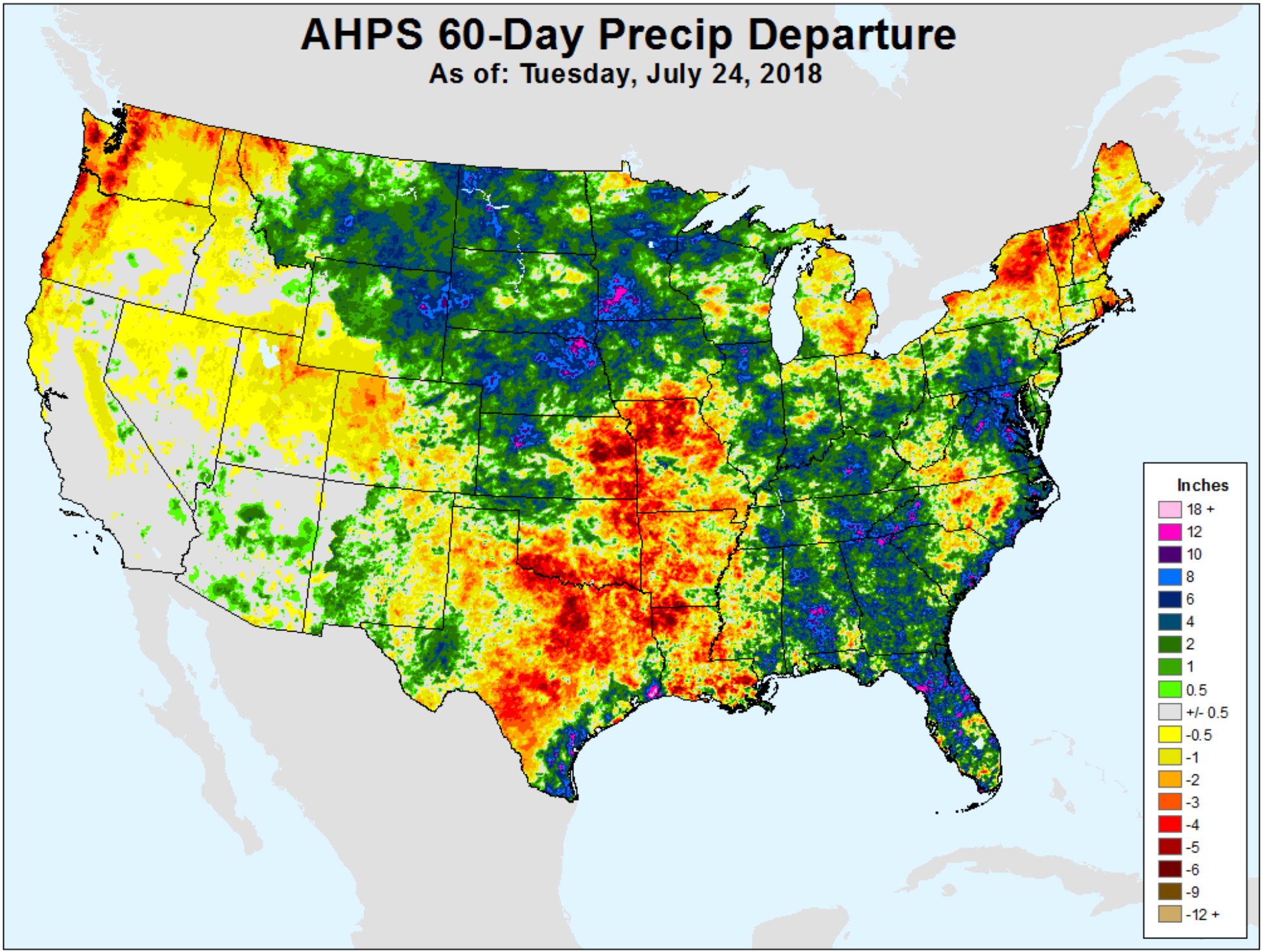
As of: Tuesday, July 24, 2018



USDM for: Jul. 17, 2018

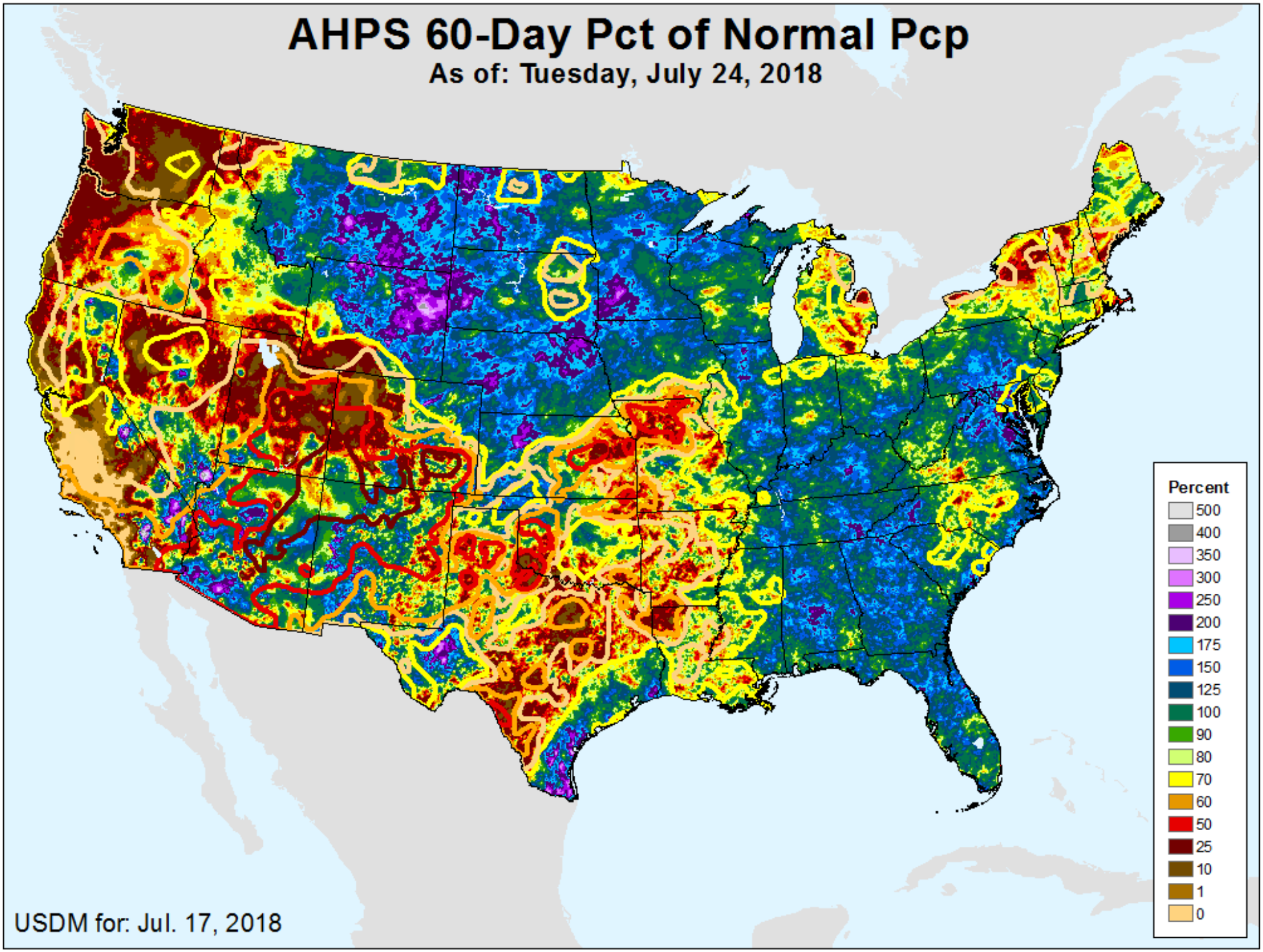
AHPS 60-Day Precip Departure

As of: Tuesday, July 24, 2018



AHPS 60-Day Pct of Normal Pcp

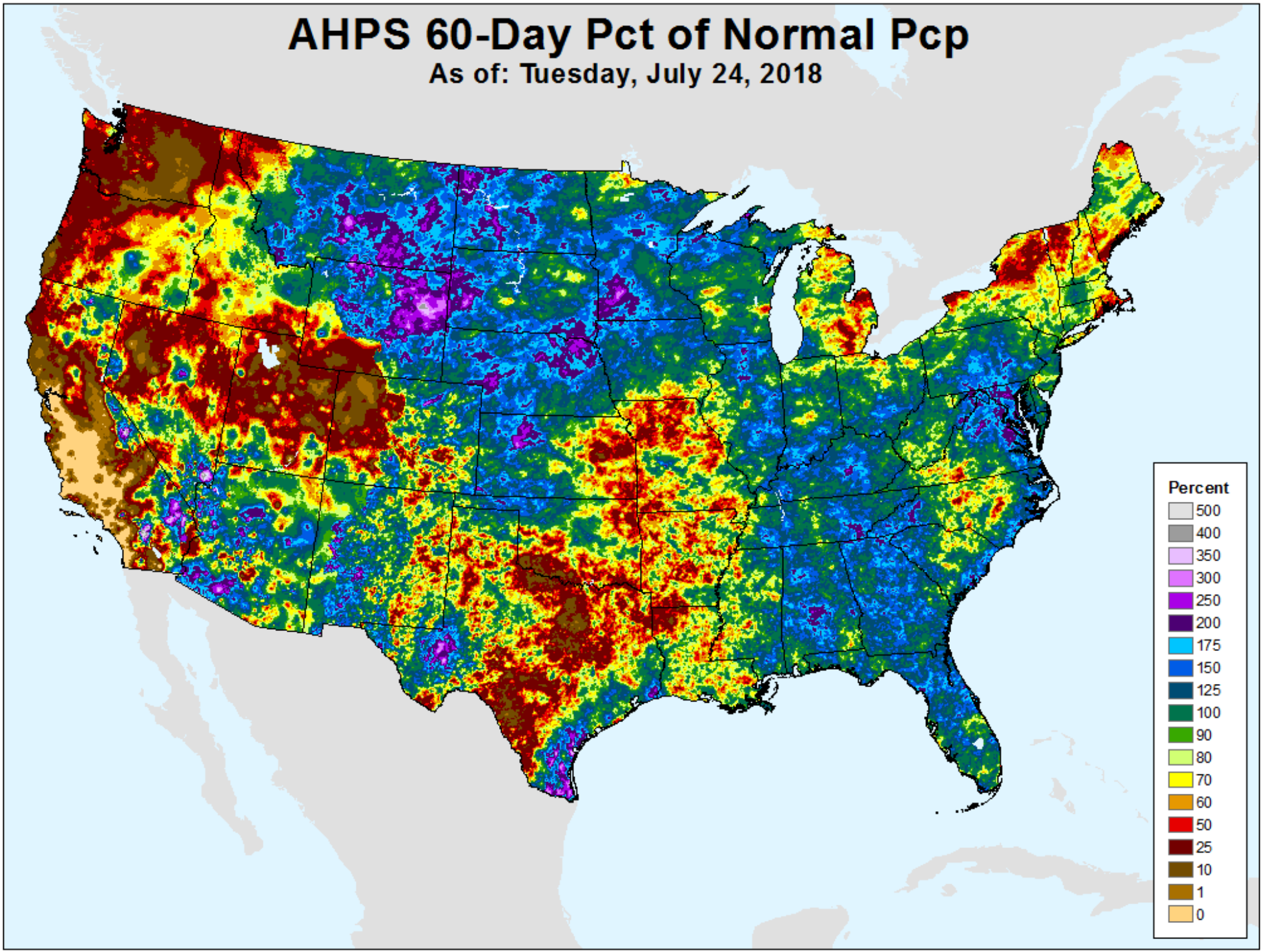
As of: Tuesday, July 24, 2018



USDM for: Jul. 17, 2018

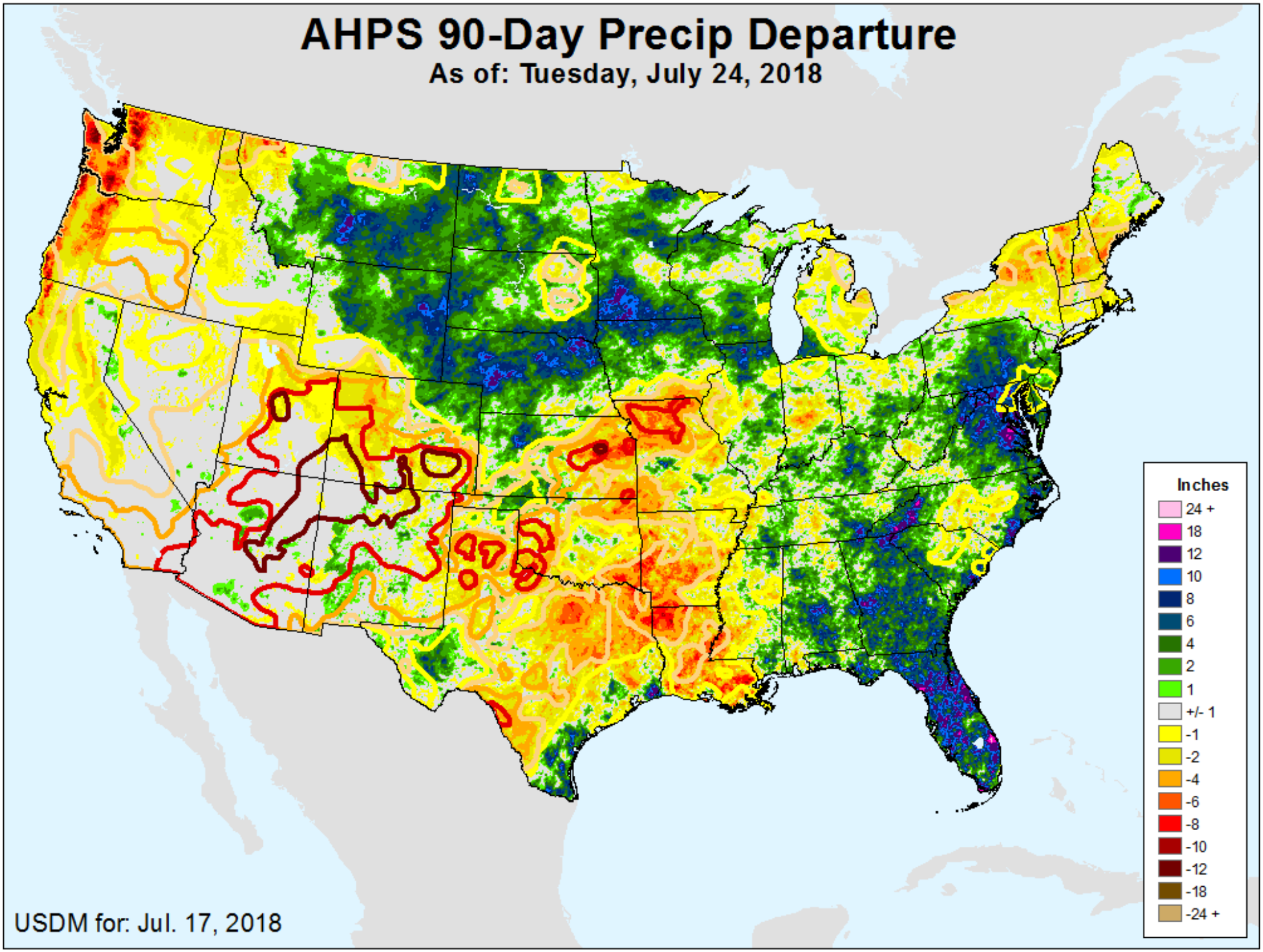
AHPS 60-Day Pct of Normal Pcp

As of: Tuesday, July 24, 2018



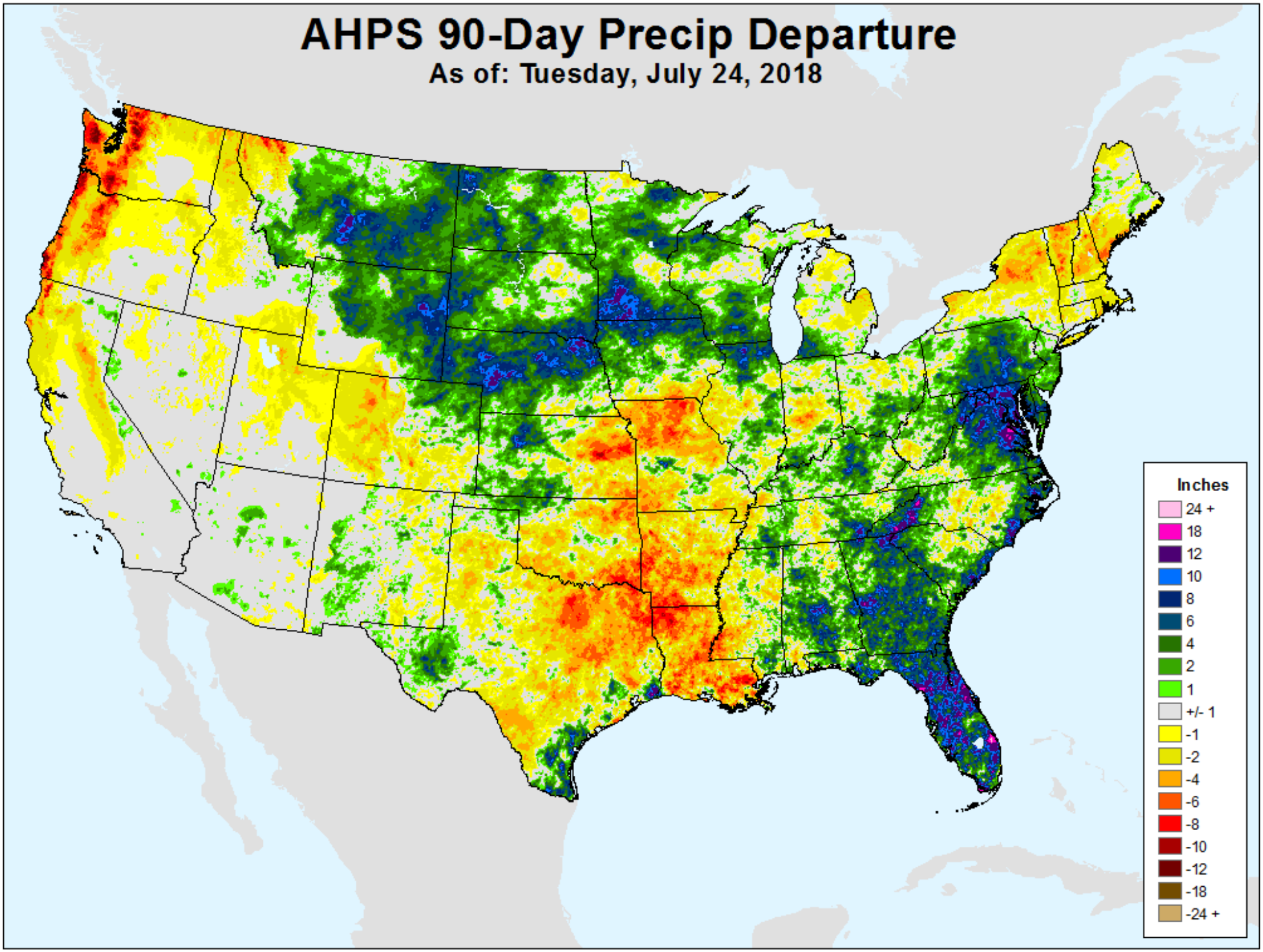
AHPS 90-Day Precip Departure

As of: Tuesday, July 24, 2018



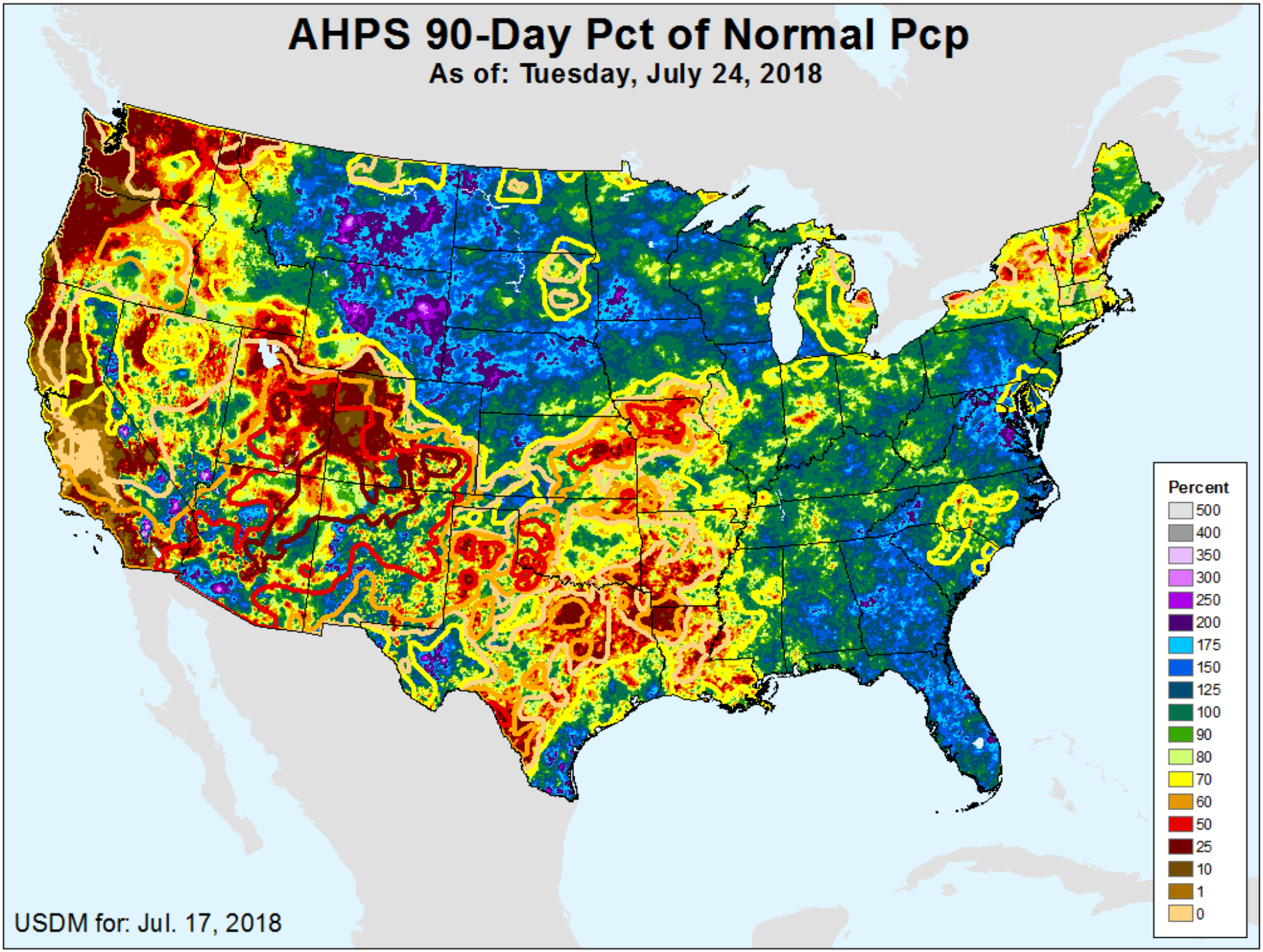
AHPS 90-Day Precip Departure

As of: Tuesday, July 24, 2018



AHPS 90-Day Pct of Normal Pcp

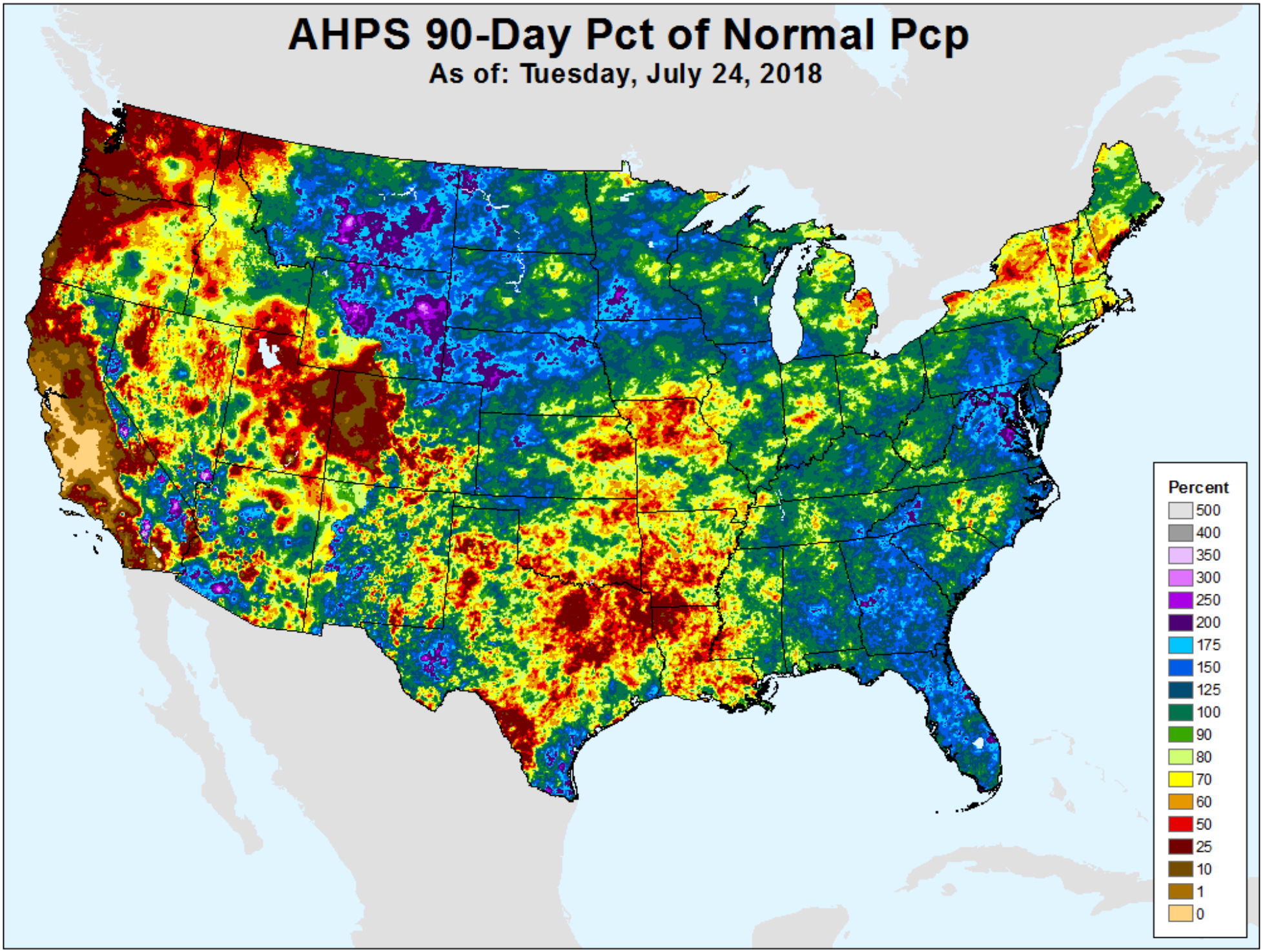
As of: Tuesday, July 24, 2018



USDM for: Jul. 17, 2018

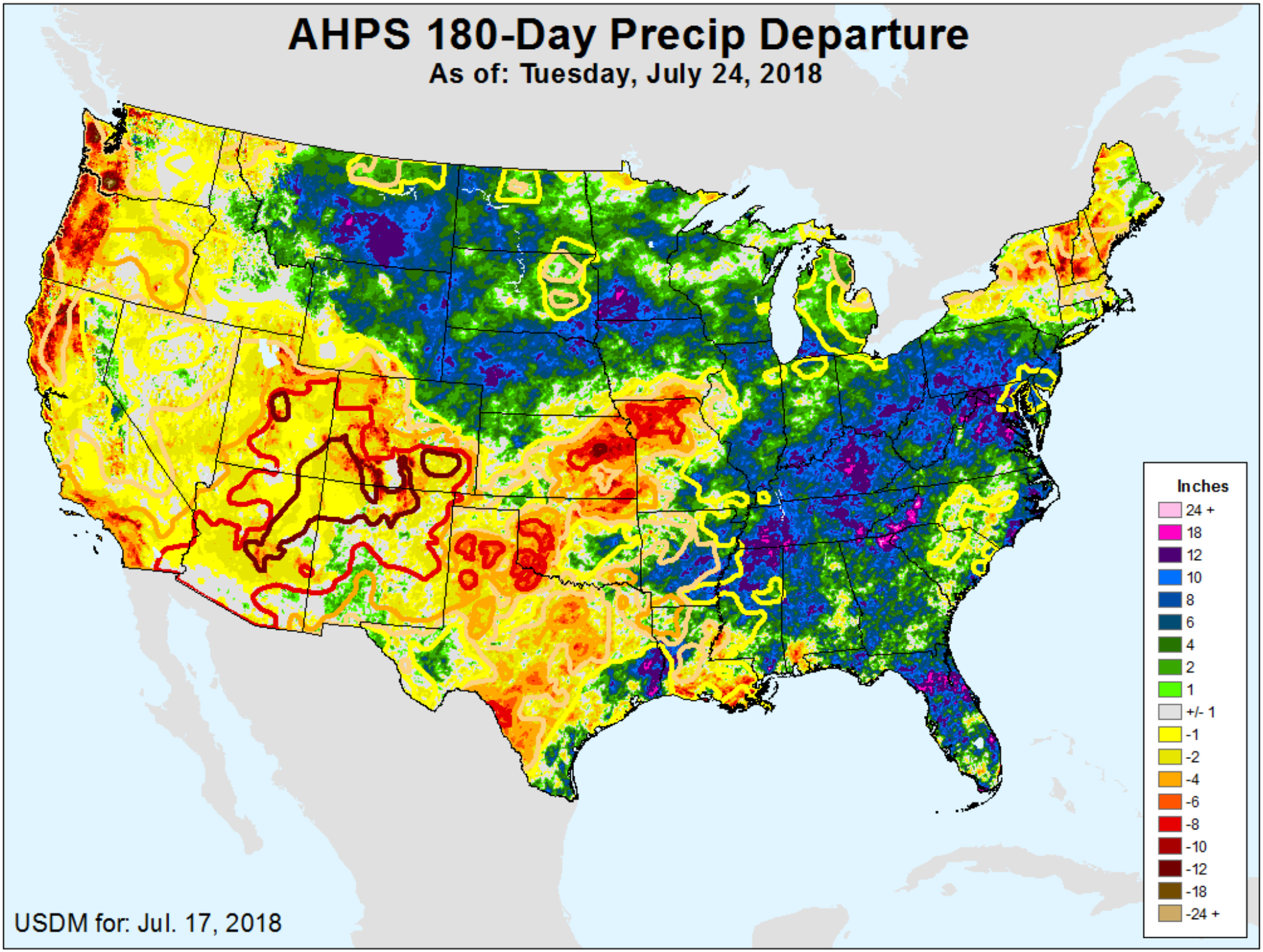
AHPS 90-Day Pct of Normal Pcp

As of: Tuesday, July 24, 2018



AHPS 180-Day Precip Departure

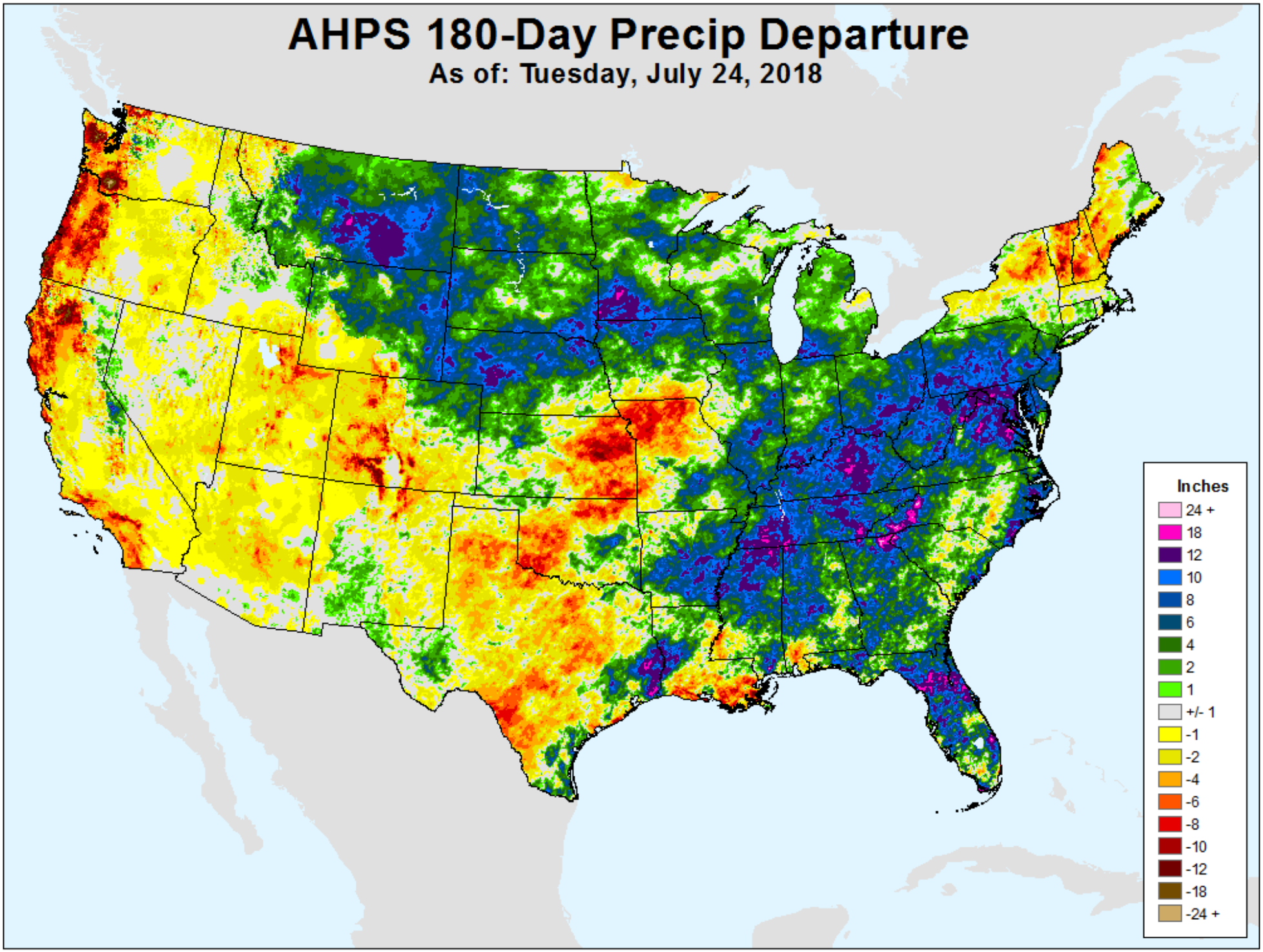
As of: Tuesday, July 24, 2018

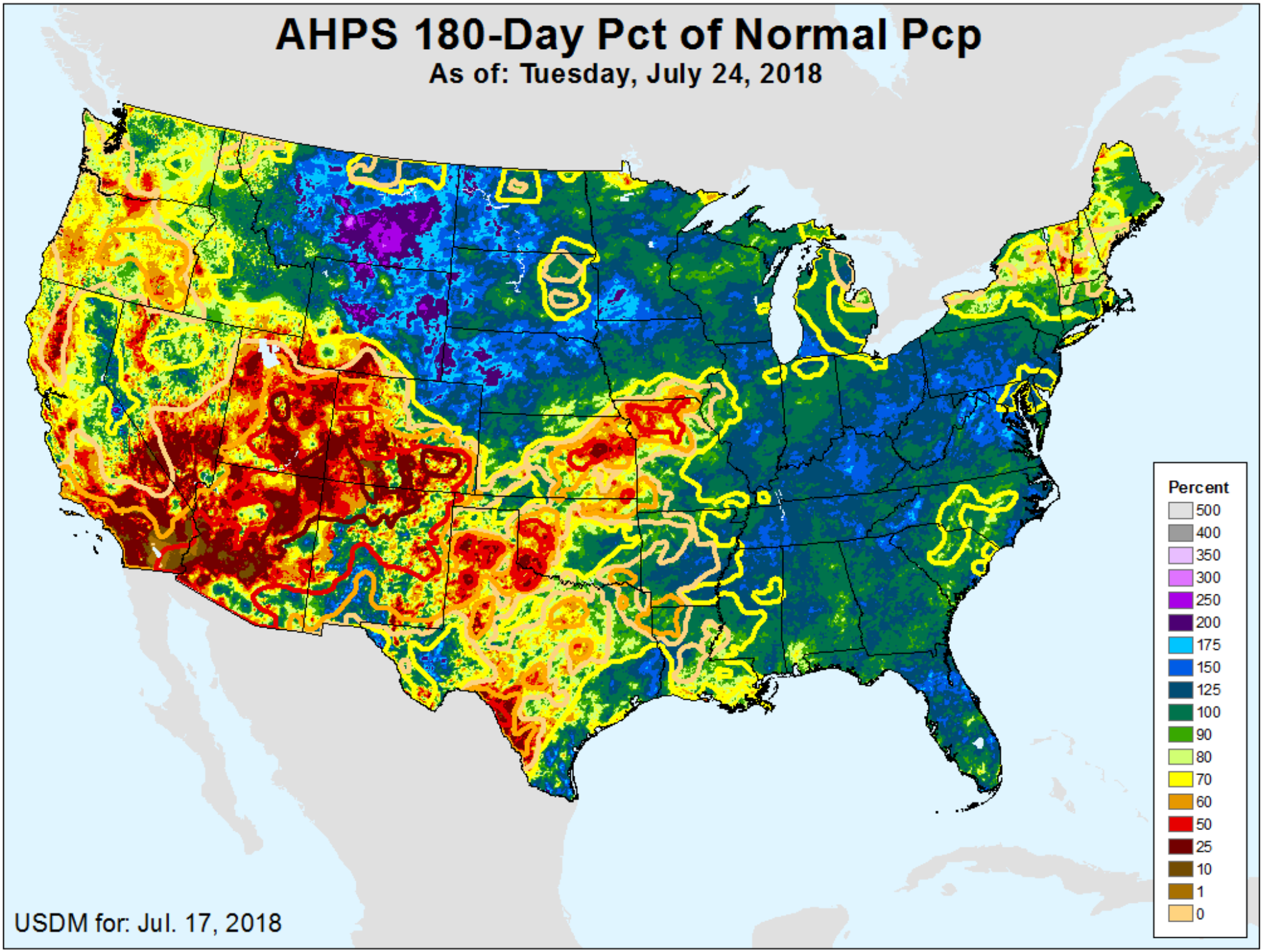


USDM for: Jul. 17, 2018

AHPS 180-Day Precip Departure

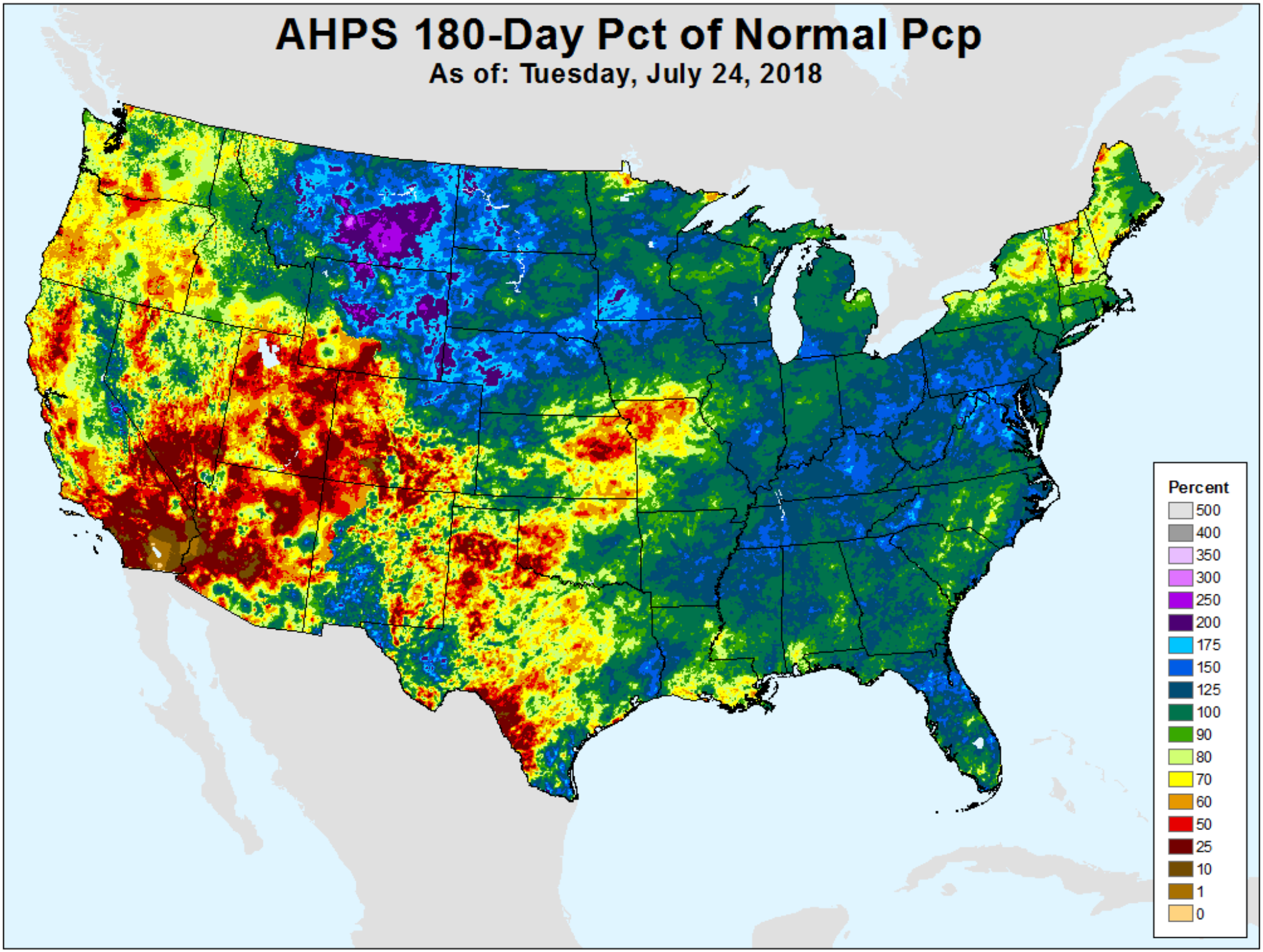
As of: Tuesday, July 24, 2018




AHPS 180-Day Pct of Normal Pcp
As of: Tuesday, July 24, 2018
Percent
500
400
350
300
250
200
175
150
125
100
90
80
70
60
50
25
10
1
0
USDM for: Jul. 17, 2018

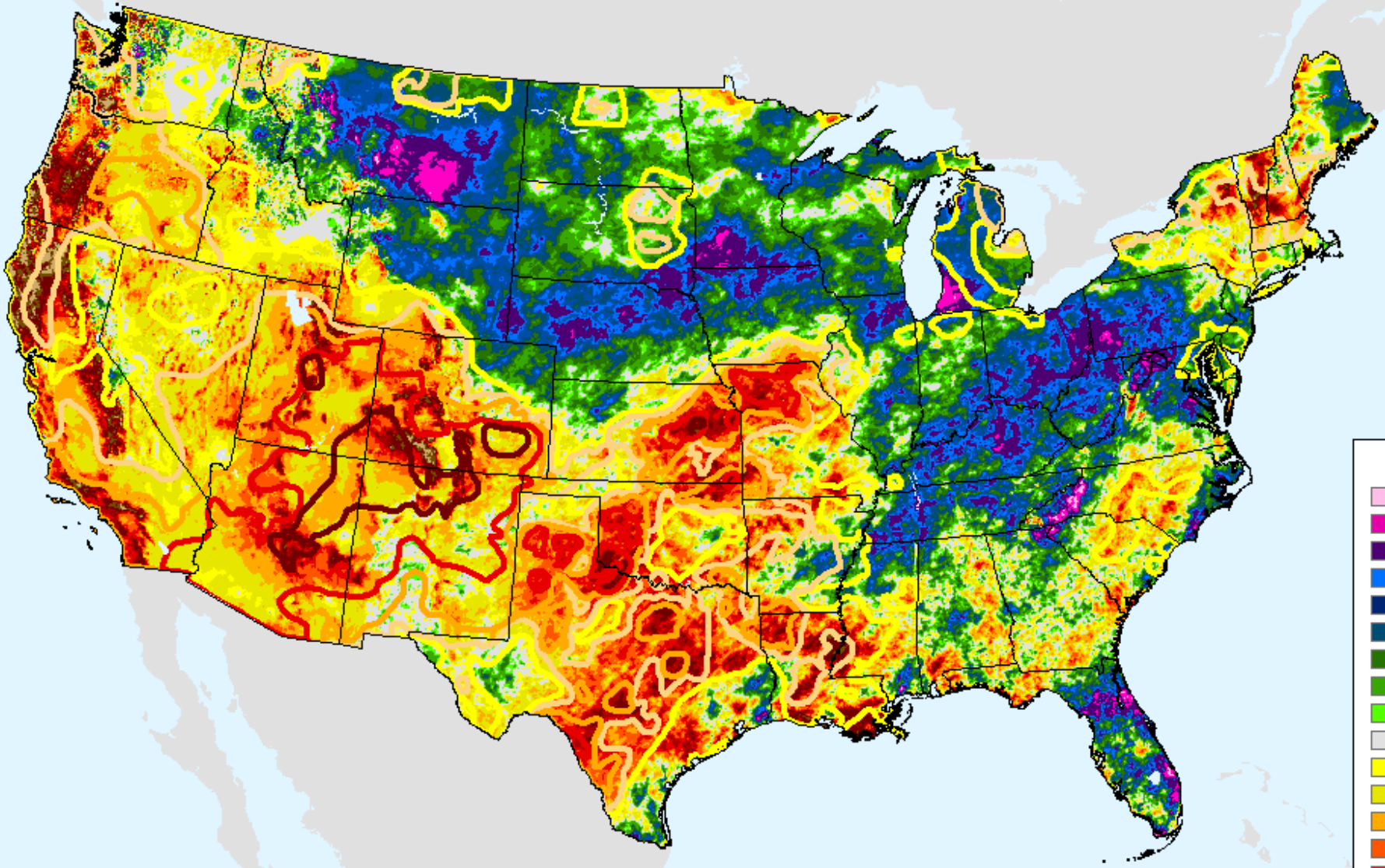
AHPS 180-Day Pct of Normal Pcp

As of: Tuesday, July 24, 2018



AHPS Water-Year Precip Departure

As of: Tuesday, July 24, 2018

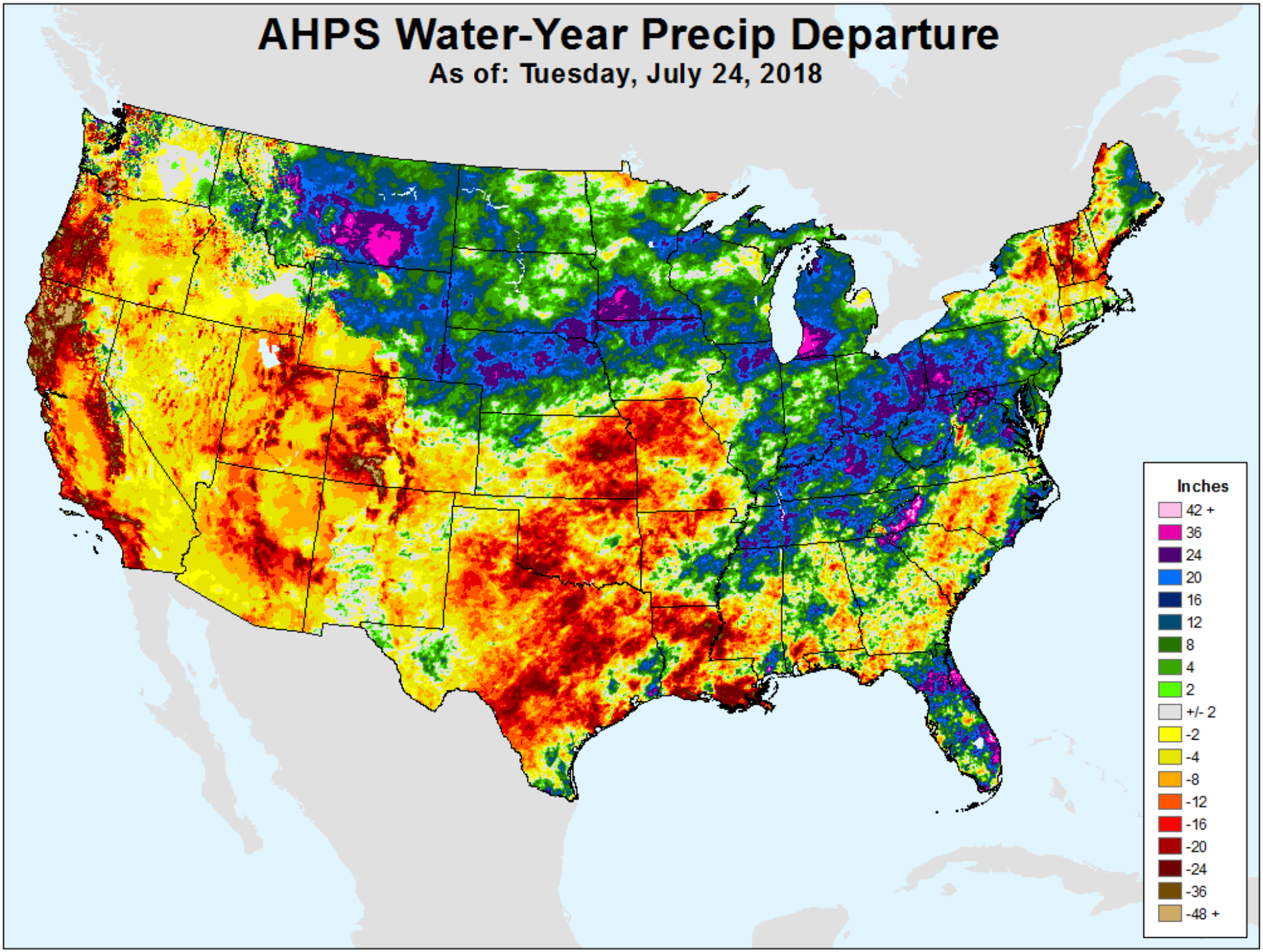


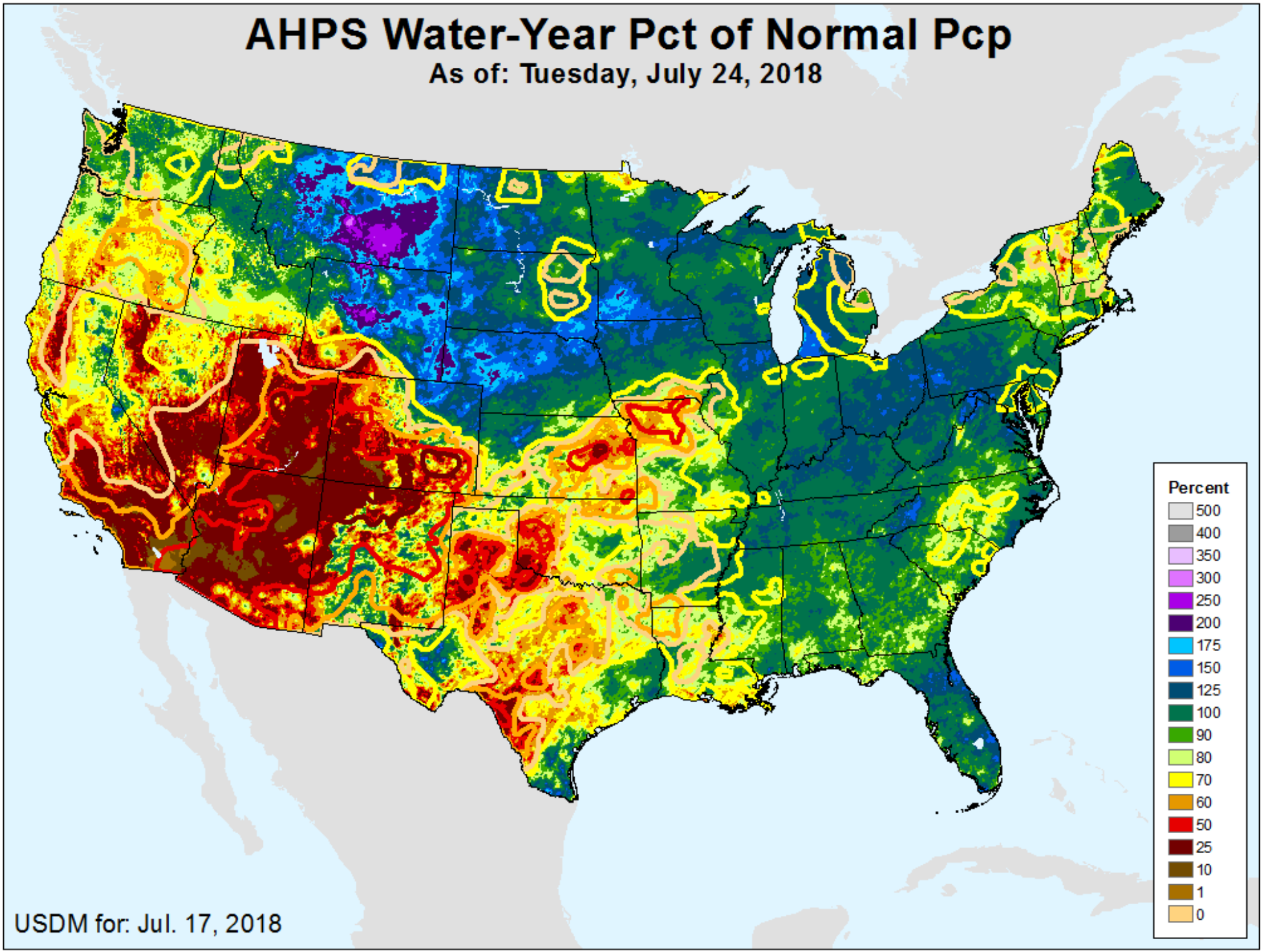
Inches
42 +
36
24
20
16
12
8
4
2
+/- 2
-2
-4
-8
-12
-16
-20
-24
-36
-48 +

USDM for: Jul. 17, 2018

AHPS Water-Year Precip Departure

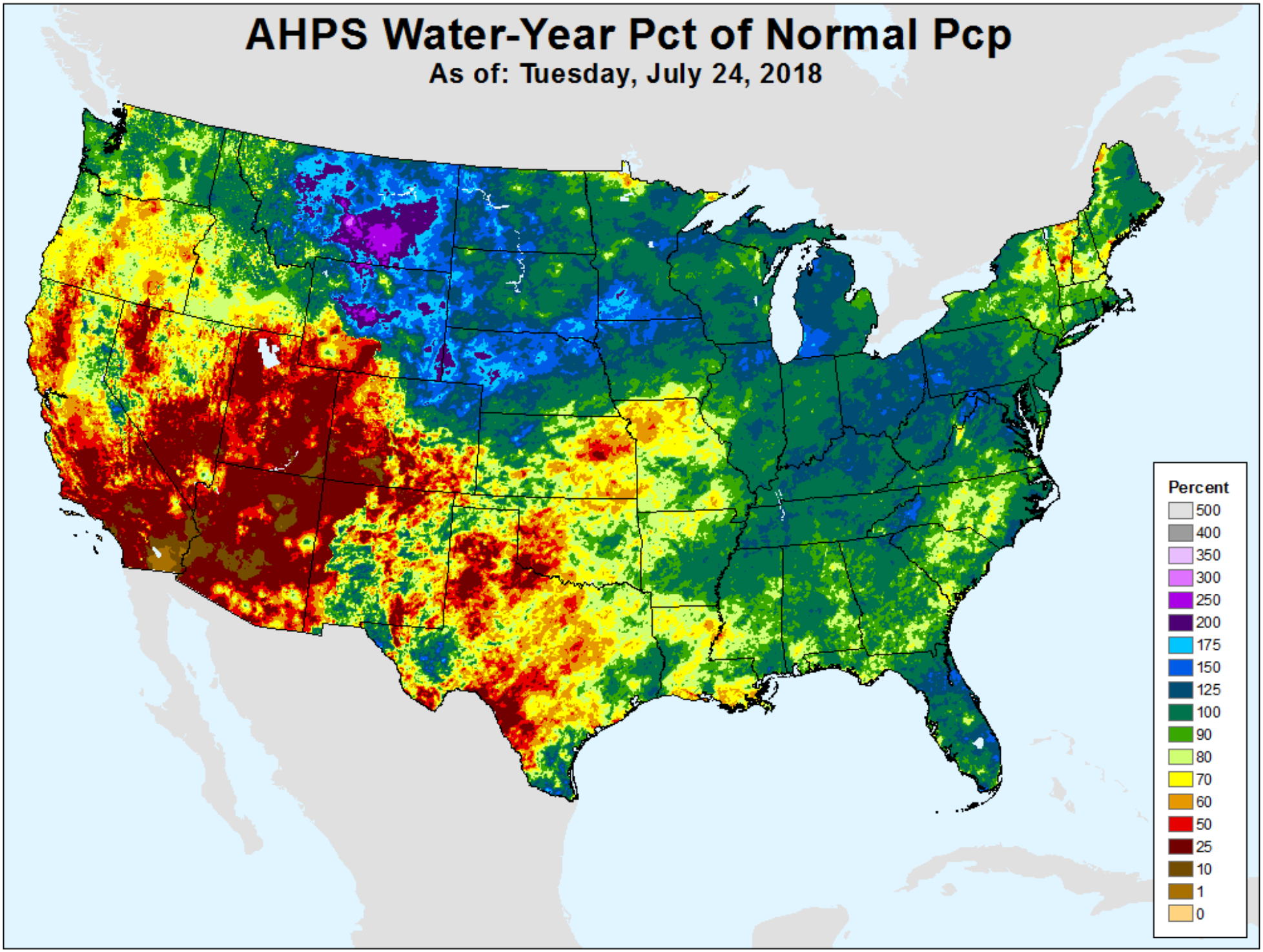
As of: Tuesday, July 24, 2018

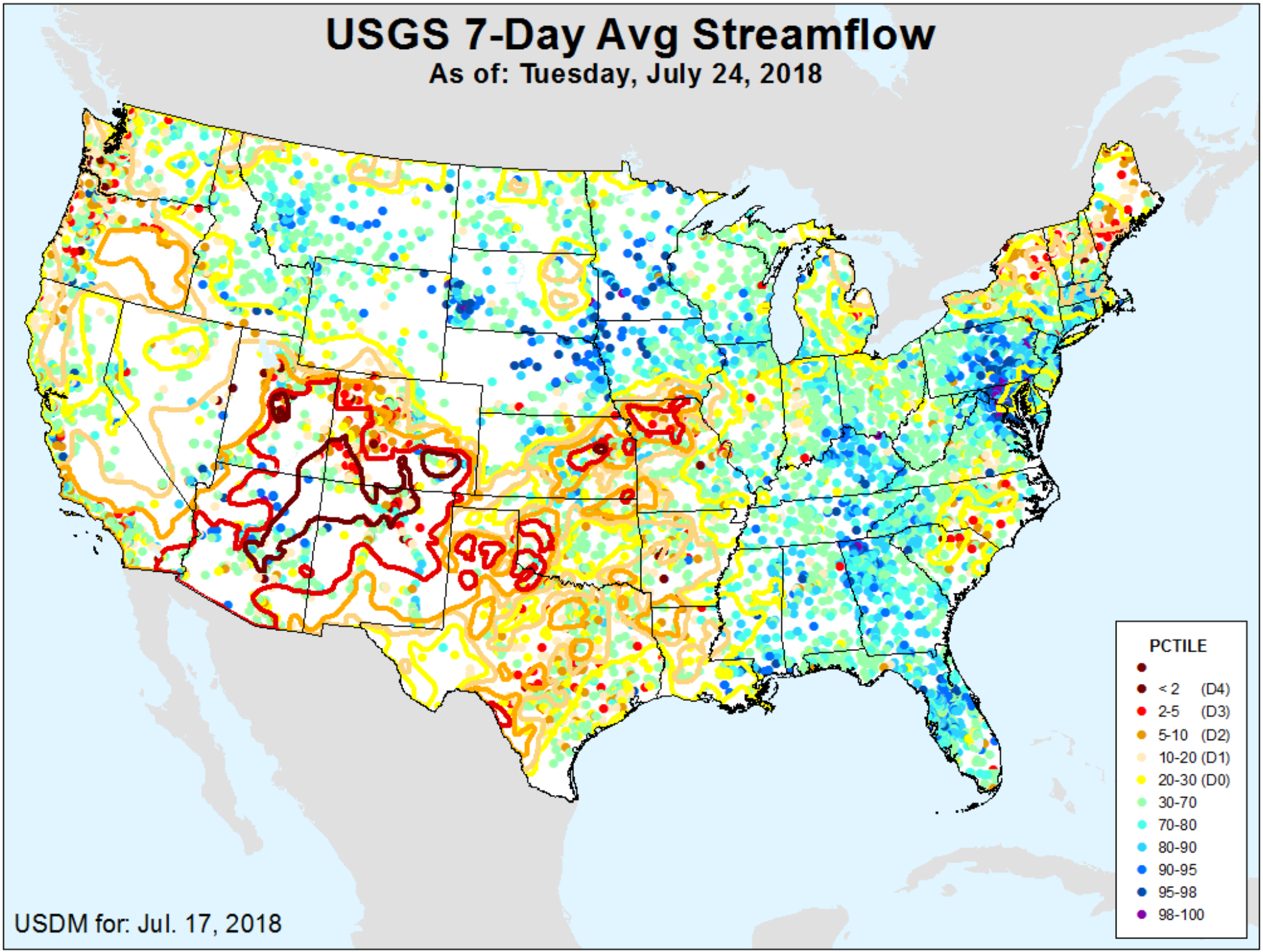



AHPS Water-Year Pct of Normal Pcp
As of: Tuesday, July 24, 2018
Percent
500
400
350
300
250
200
175
150
125
100
90
80
70
60
50
25
10
1
0
USDM for: Jul. 17, 2018

AHPS Water-Year Pct of Normal Pcp

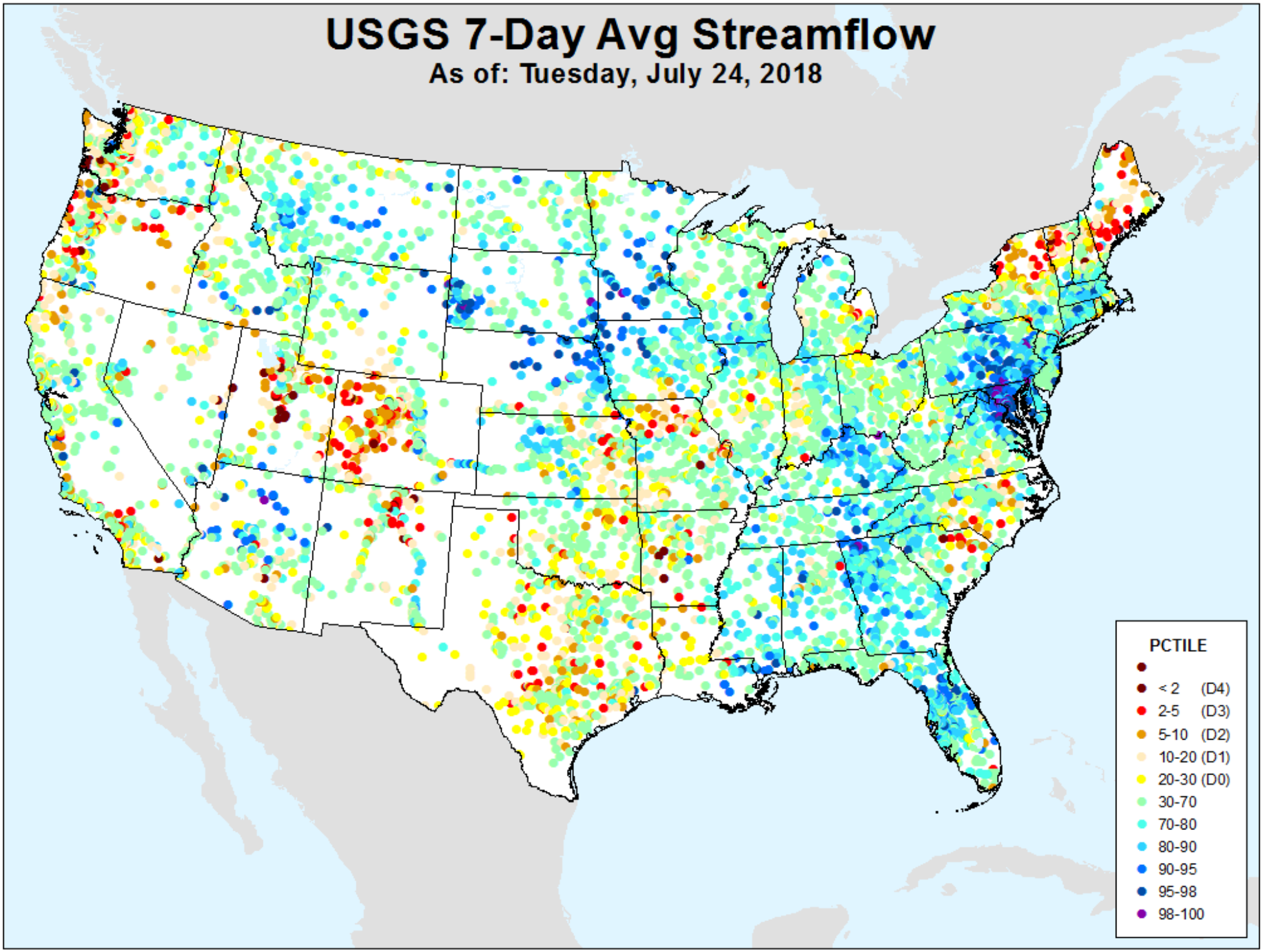
As of: Tuesday, July 24, 2018

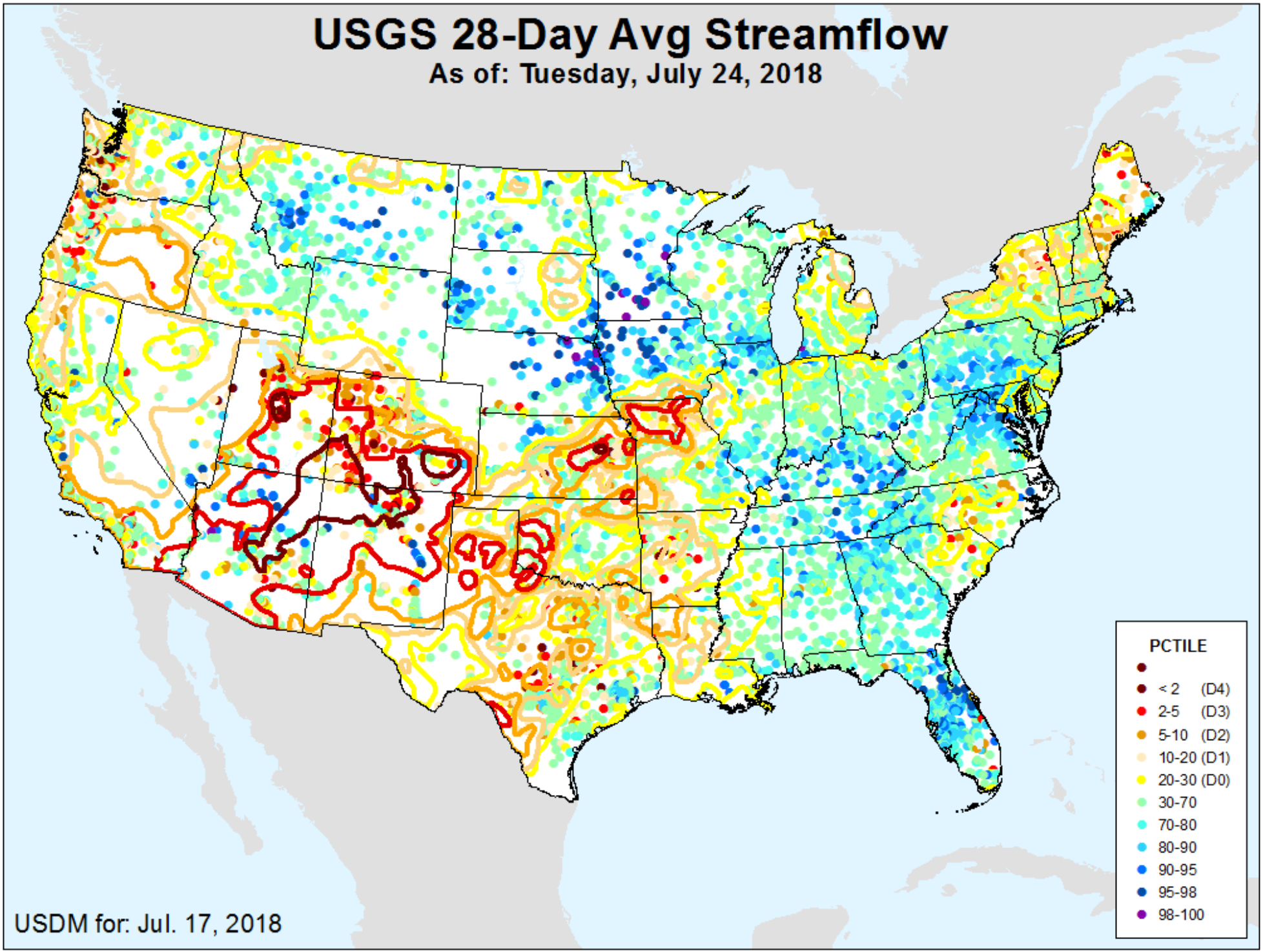



USGS 7-Day Avg Streamflow
As of: Tuesday, July 24, 2018
PCTILE
< 2 (D4)
2-5 (D3)
5-10 (D2)
10-20 (D1)
20-30 (D0)
30-70
70-80
80-90
90-95
95-98
98-100
USDM for: Jul. 17, 2018

USGS 7-Day Avg Streamflow

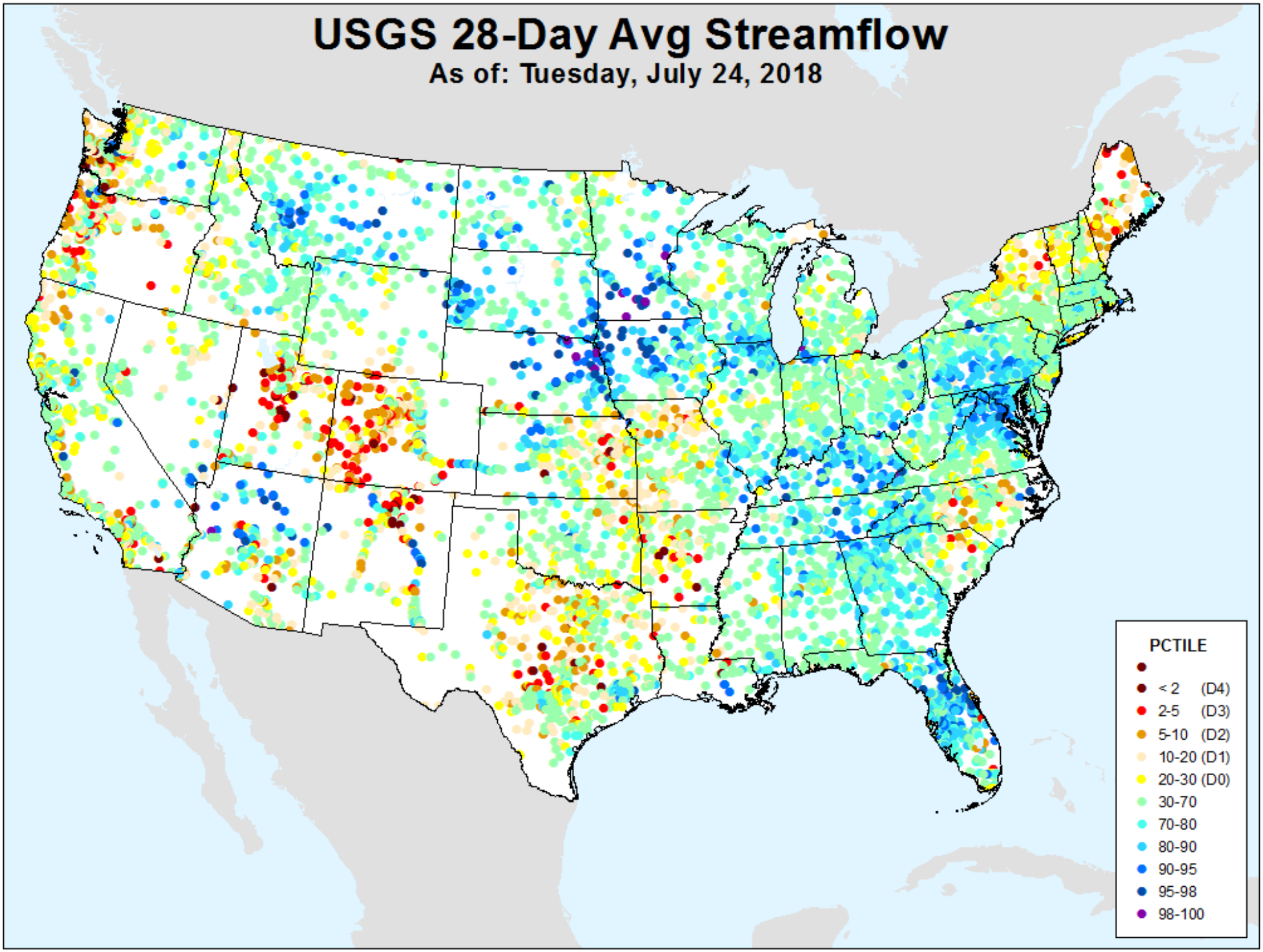
As of: Tuesday, July 24, 2018

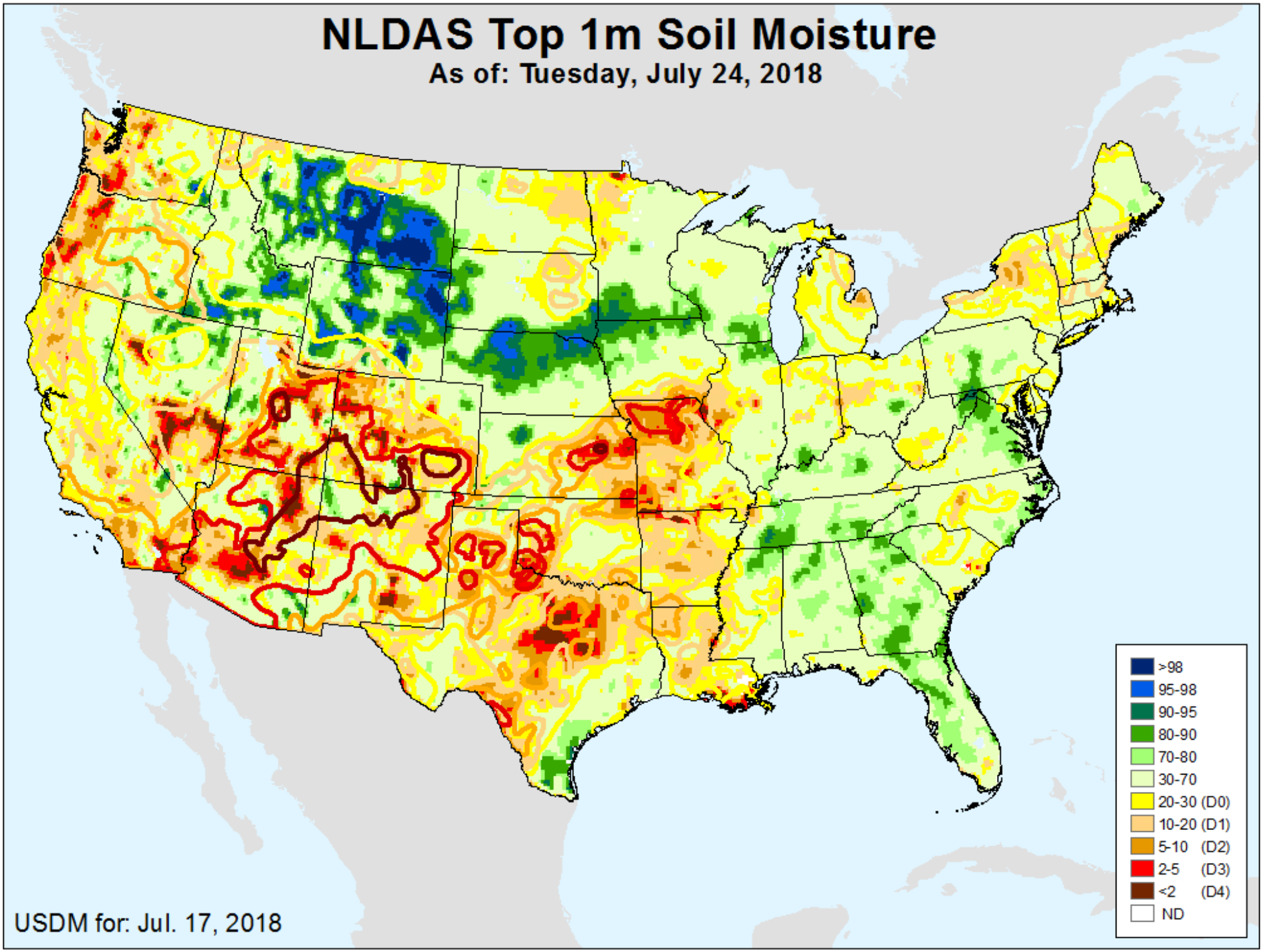



USGS 28-Day Avg Streamflow
As of: Tuesday, July 24, 2018
PCTILE
< 2 (D4)
2-5 (D3)
5-10 (D2)
10-20 (D1)
20-30 (D0)
30-70
70-80
80-90
90-95
95-98
98-100
USDM for: Jul. 17, 2018

USGS 28-Day Avg Streamflow

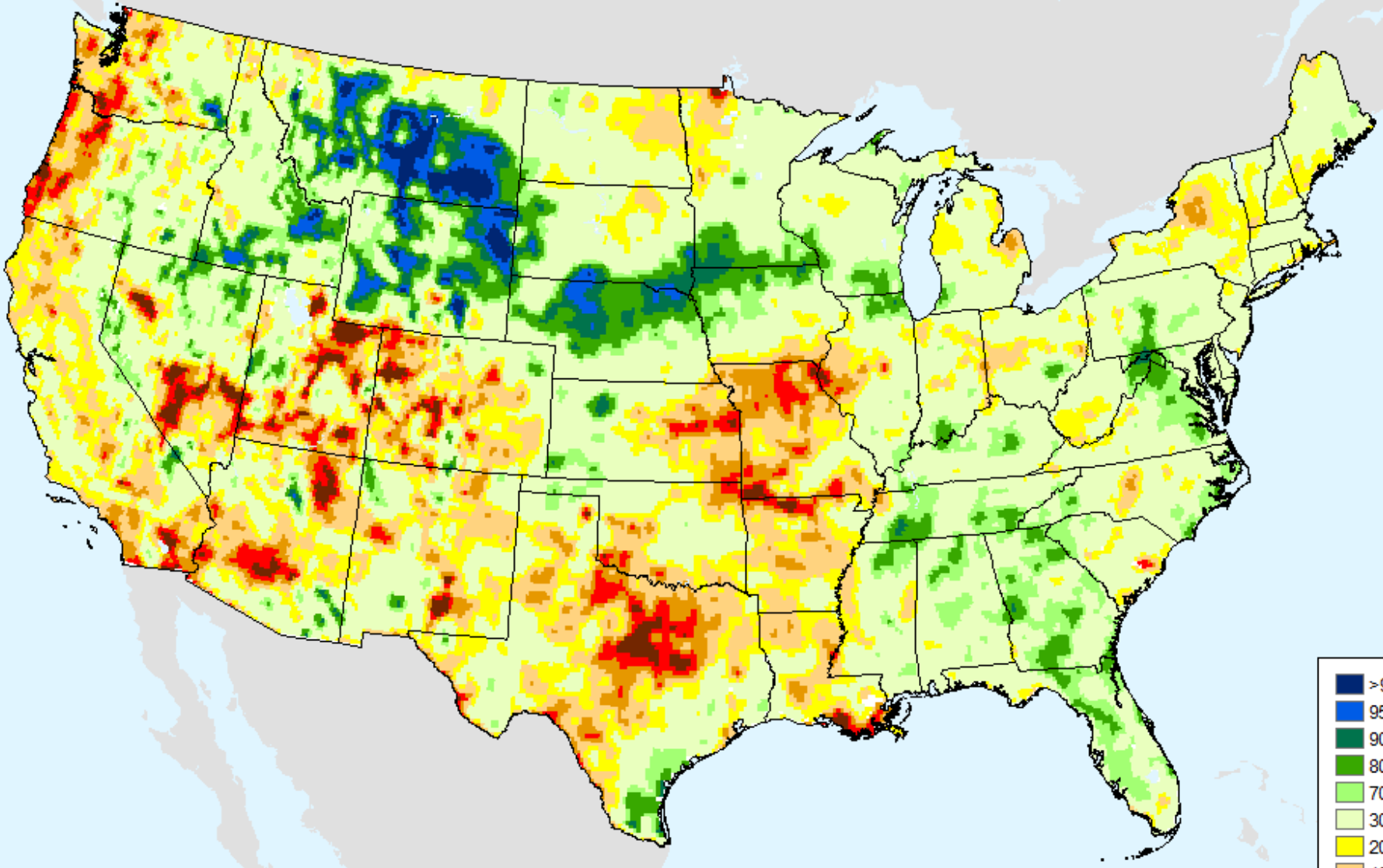
As of: Tuesday, July 24, 2018




NLDAS Top 1m Soil Moisture
As of: Tuesday, July 24, 2018
>98
95-98
90-95
80-90
70-80
30-70
20-30 (D0)
10-20 (D1)
5-10 (D2)
2-5 (D3)
<2 (D4)
ND
USDM for: Jul. 17, 2018

NLDAS Top 1m Soil Moisture

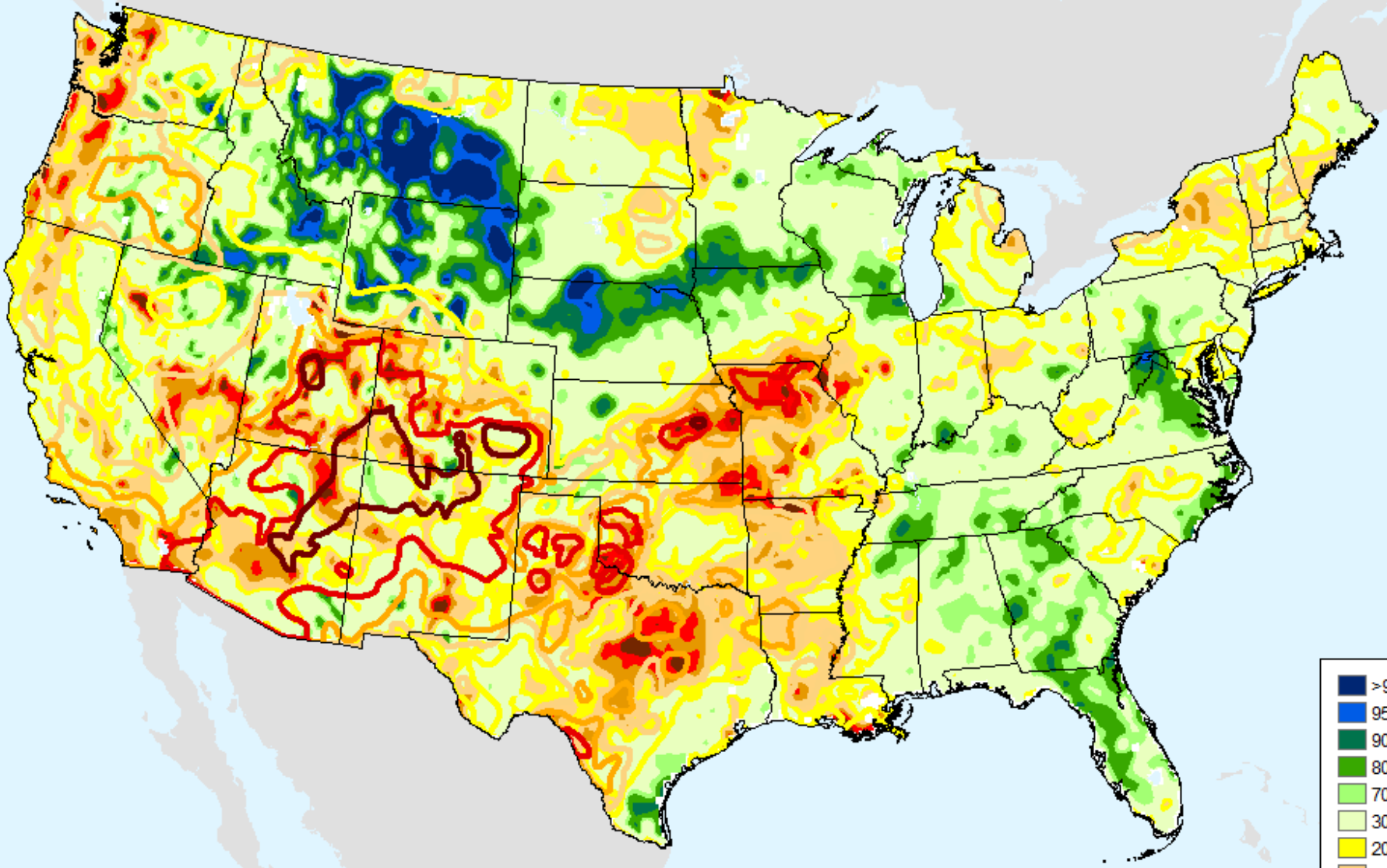
As of: Tuesday, July 24, 2018



>98	
95-98	
90-95	
80-90	
70-80	
30-70	
20-30	(D0)
10-20	(D1)
5-10	(D2)
2-5	(D3)
<2	(D4)
ND	

NLDAS Total Column Soil Moisture

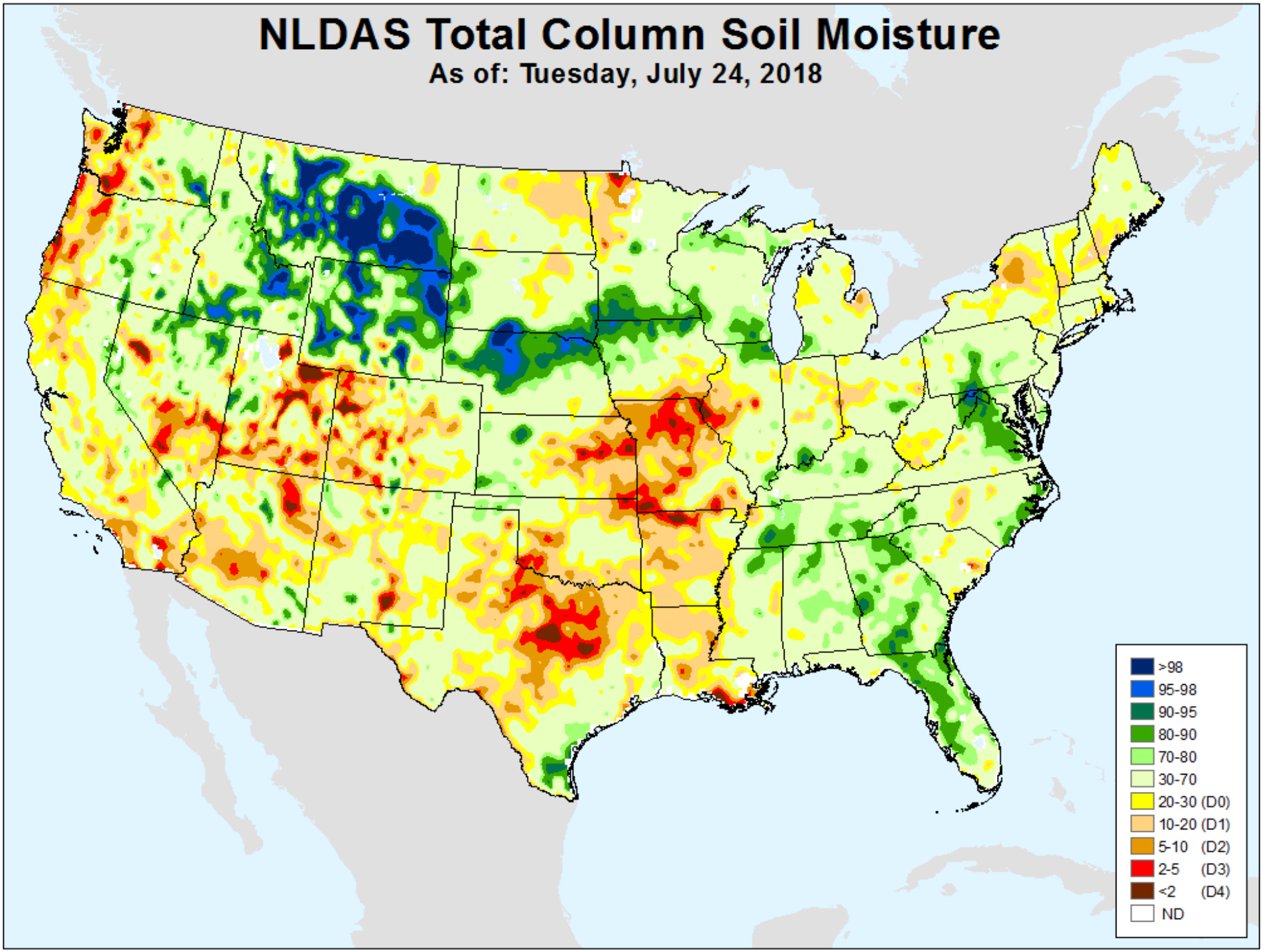
As of: Tuesday, July 24, 2018

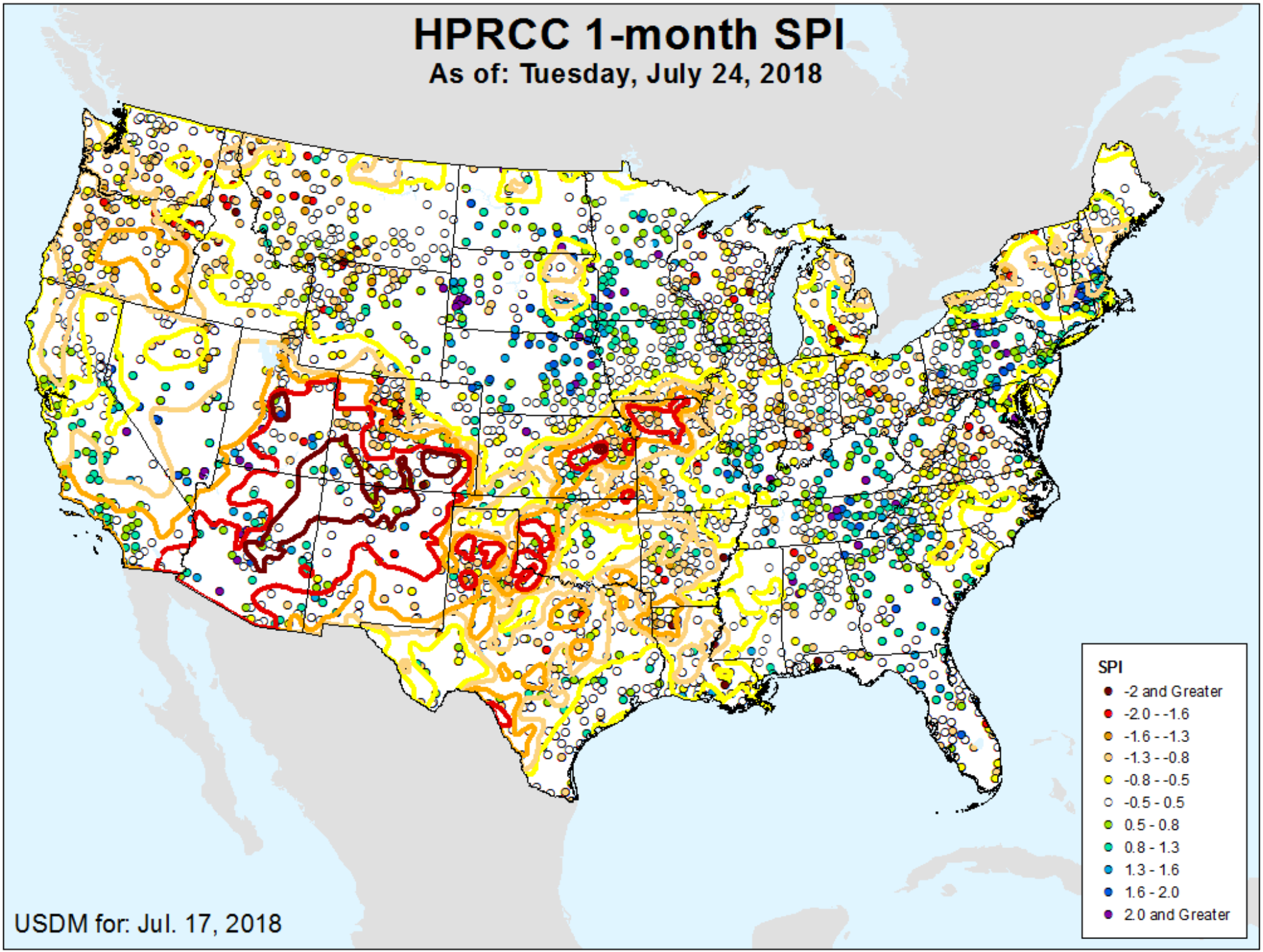


USDM for: Jul. 17, 2018

NLDAS Total Column Soil Moisture

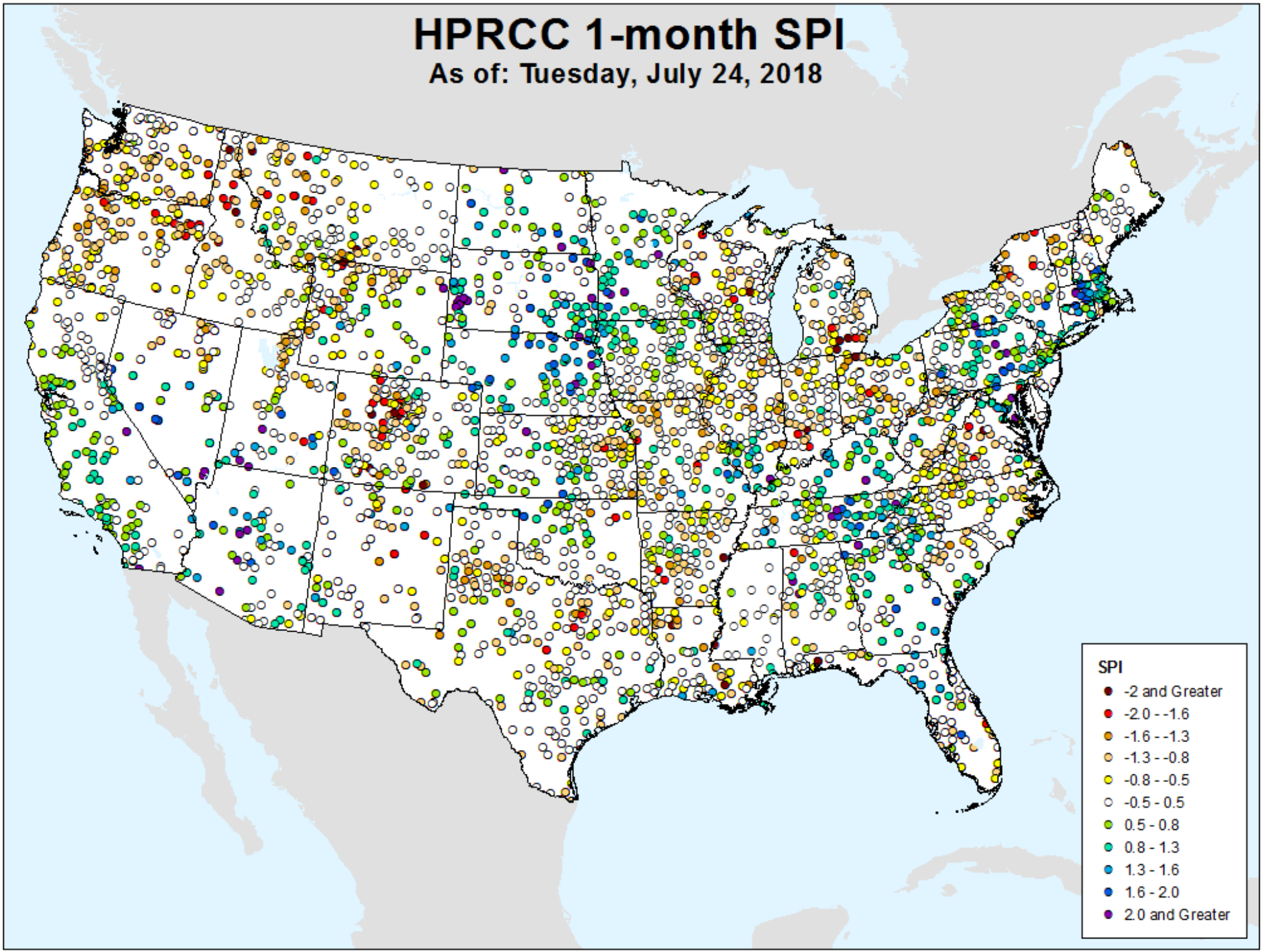
As of: Tuesday, July 24, 2018




HPRCC 1-month SPI
As of: Tuesday, July 24, 2018
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. 17, 2018

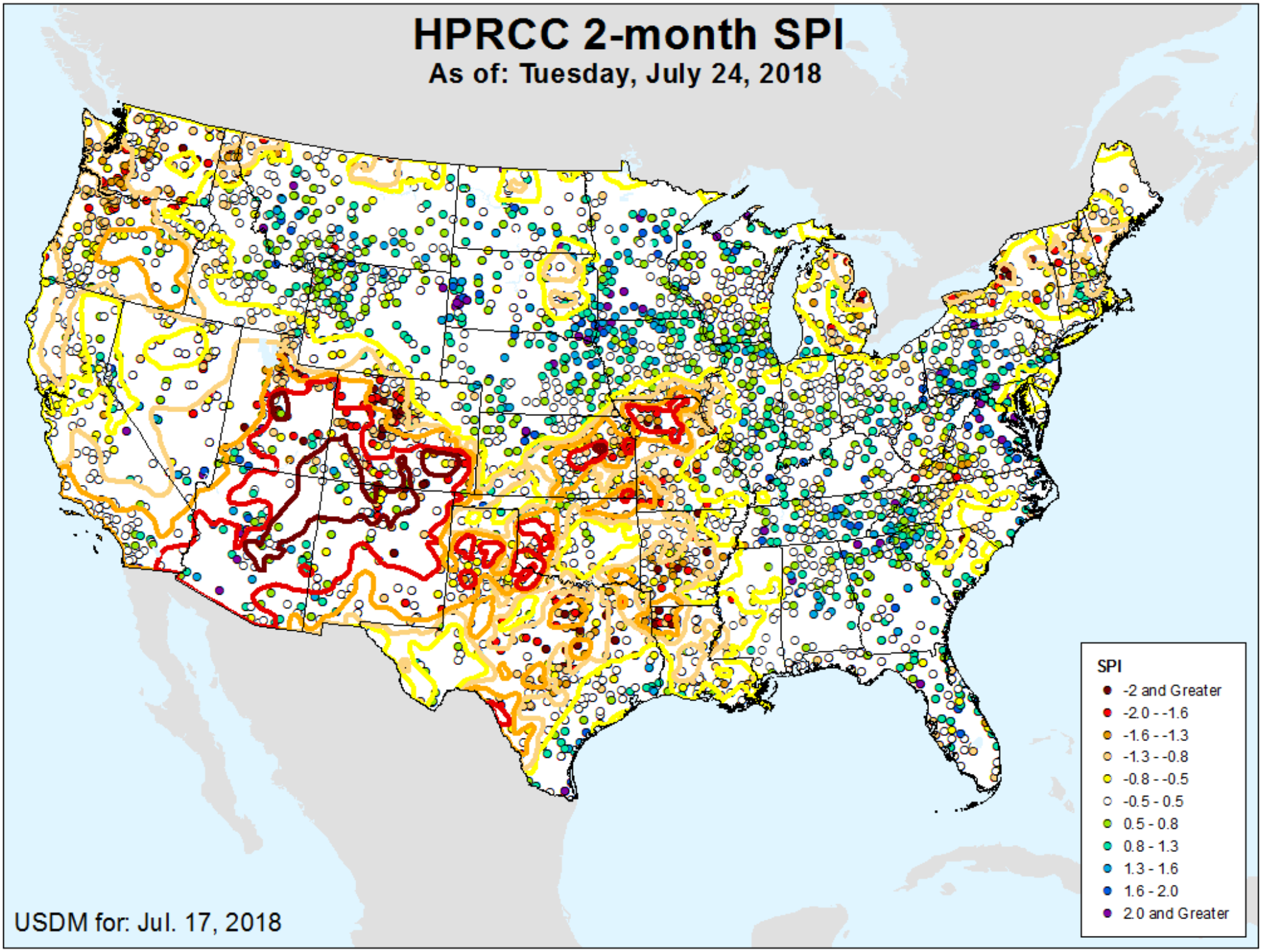
HPRCC 1-month SPI

As of: Tuesday, July 24, 2018



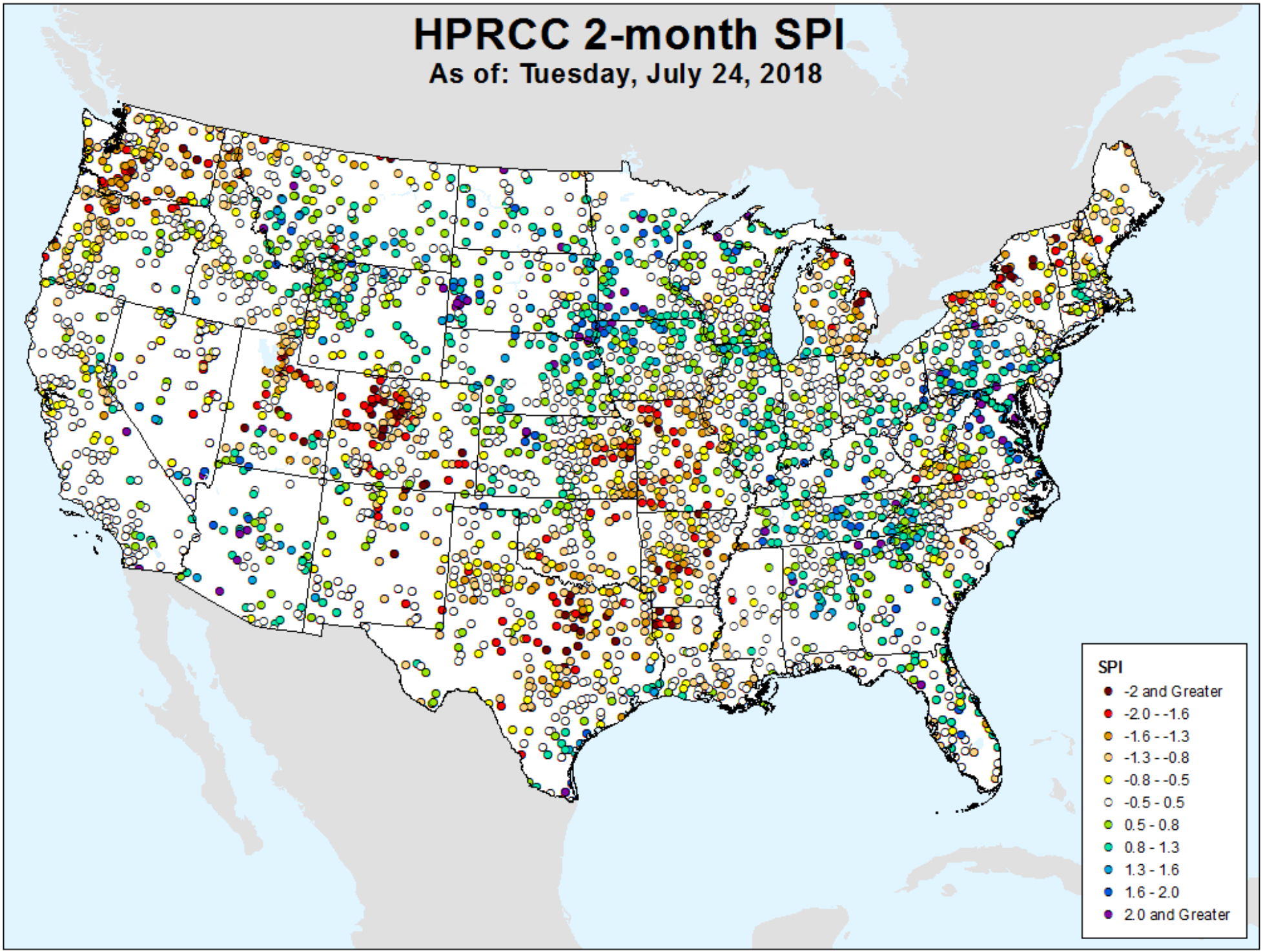
HPRCC 2-month SPI

As of: Tuesday, July 24, 2018



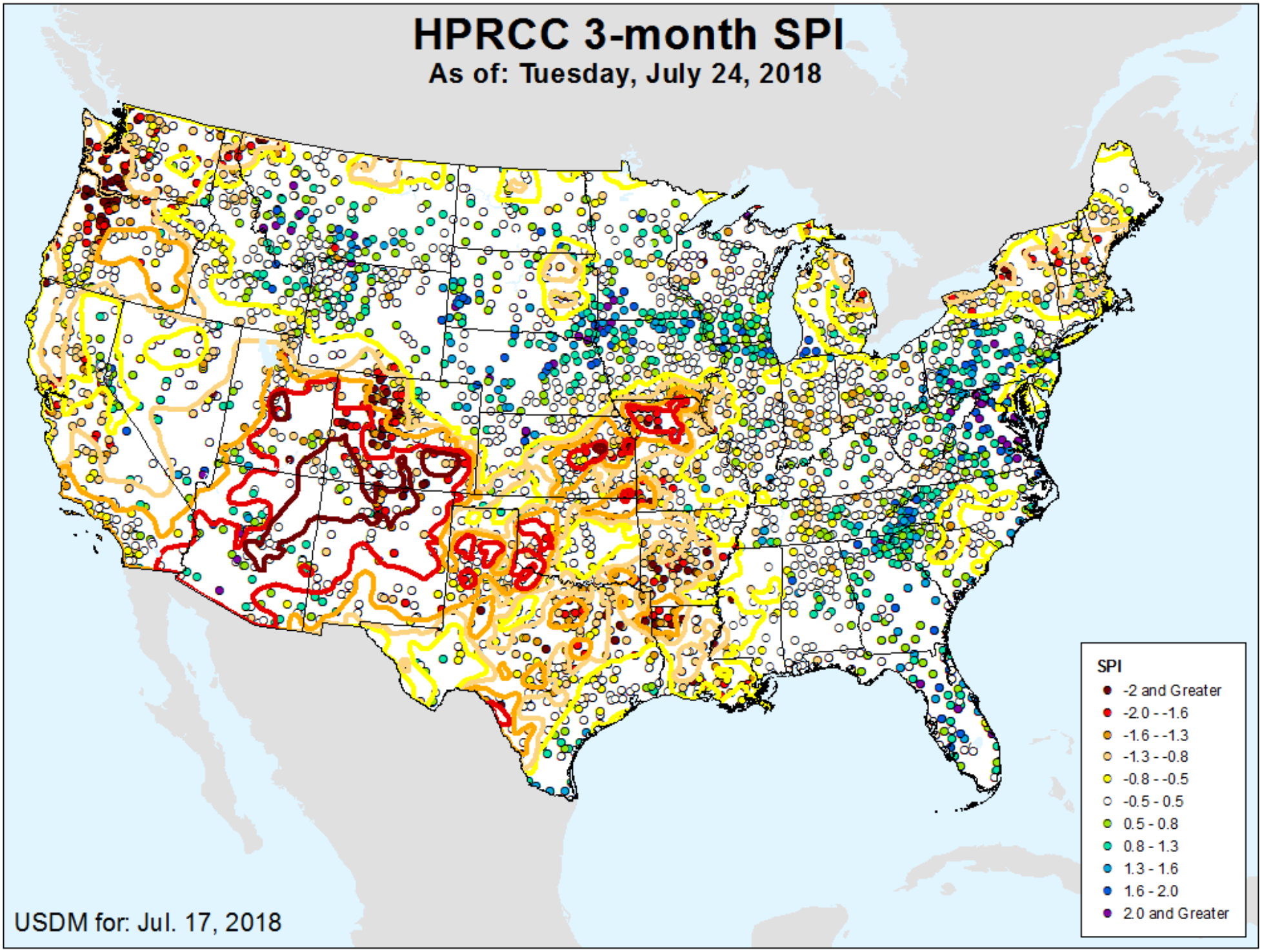
HPRCC 2-month SPI

As of: Tuesday, July 24, 2018



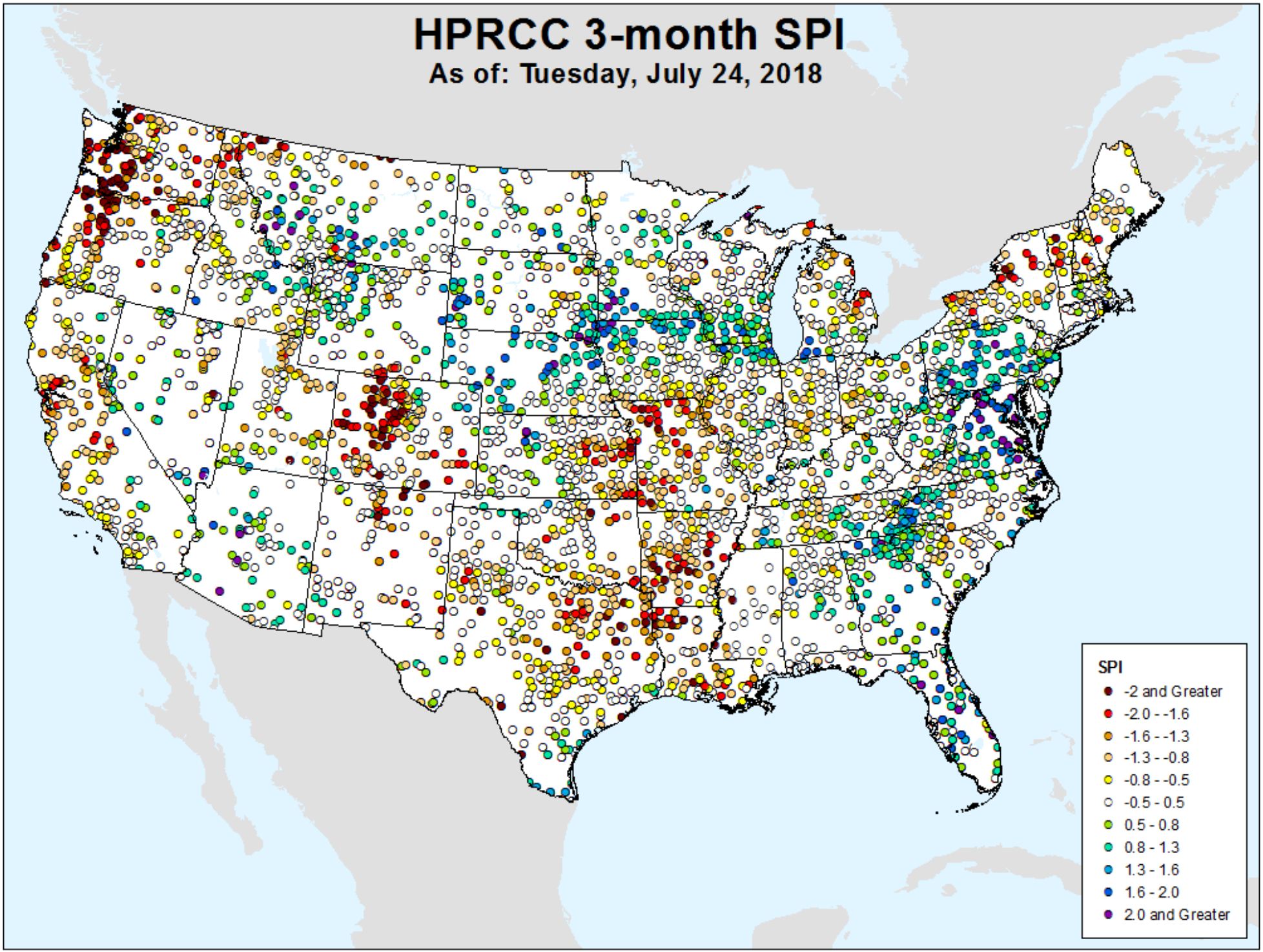
HPRCC 3-month SPI

As of: Tuesday, July 24, 2018



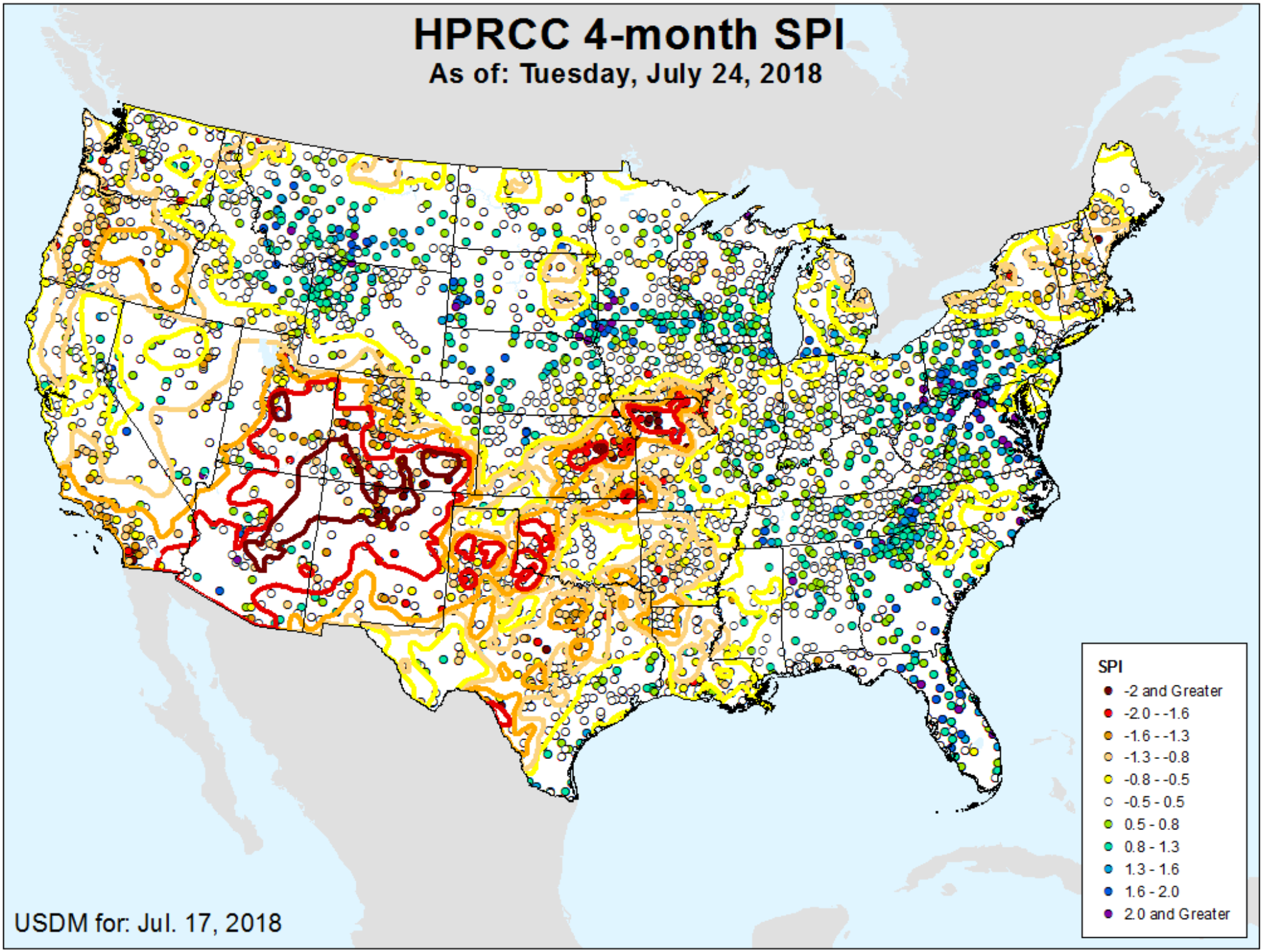
HPRCC 3-month SPI

As of: Tuesday, July 24, 2018



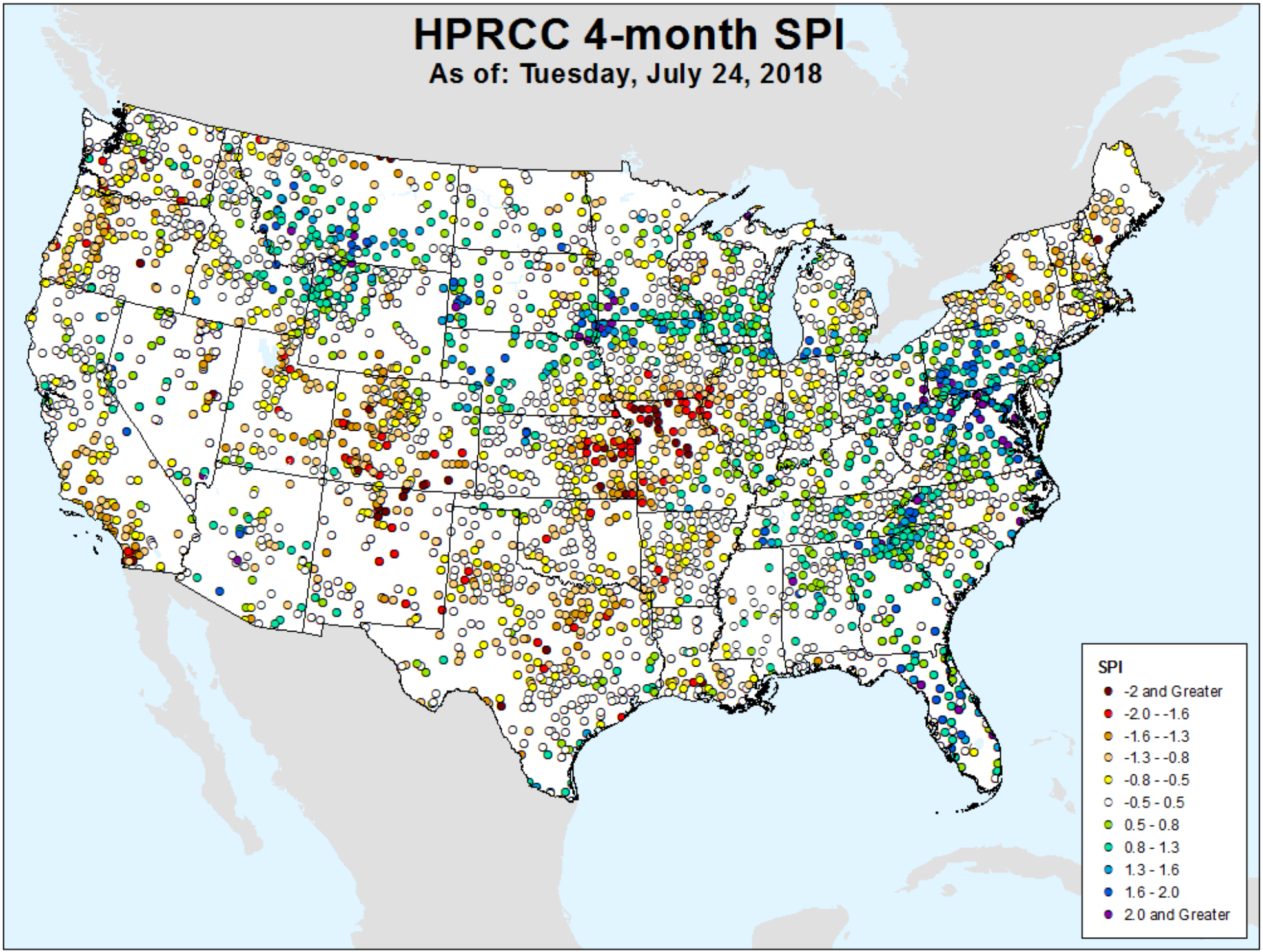
HPRCC 4-month SPI

As of: Tuesday, July 24, 2018



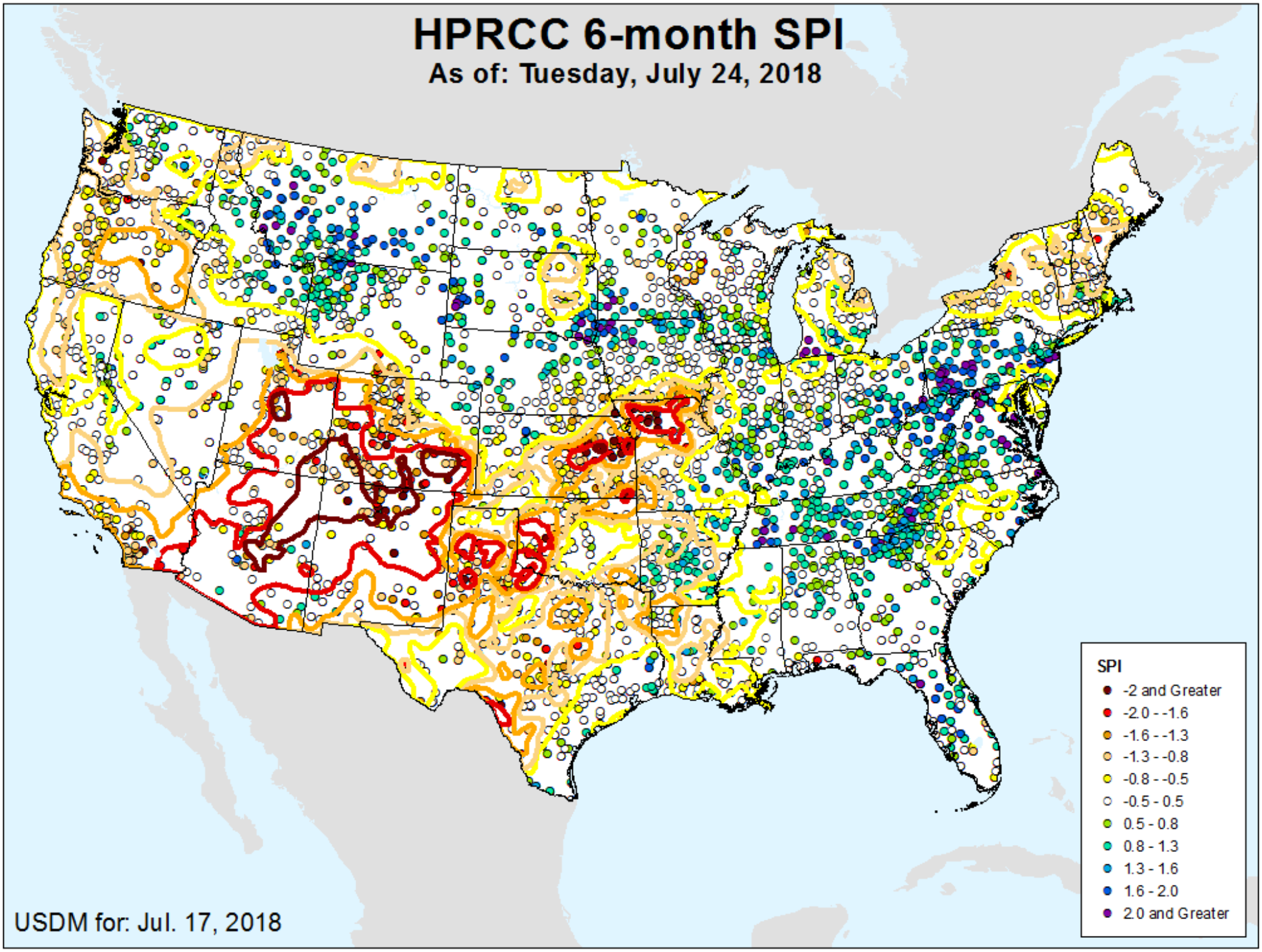
HPRCC 4-month SPI

As of: Tuesday, July 24, 2018



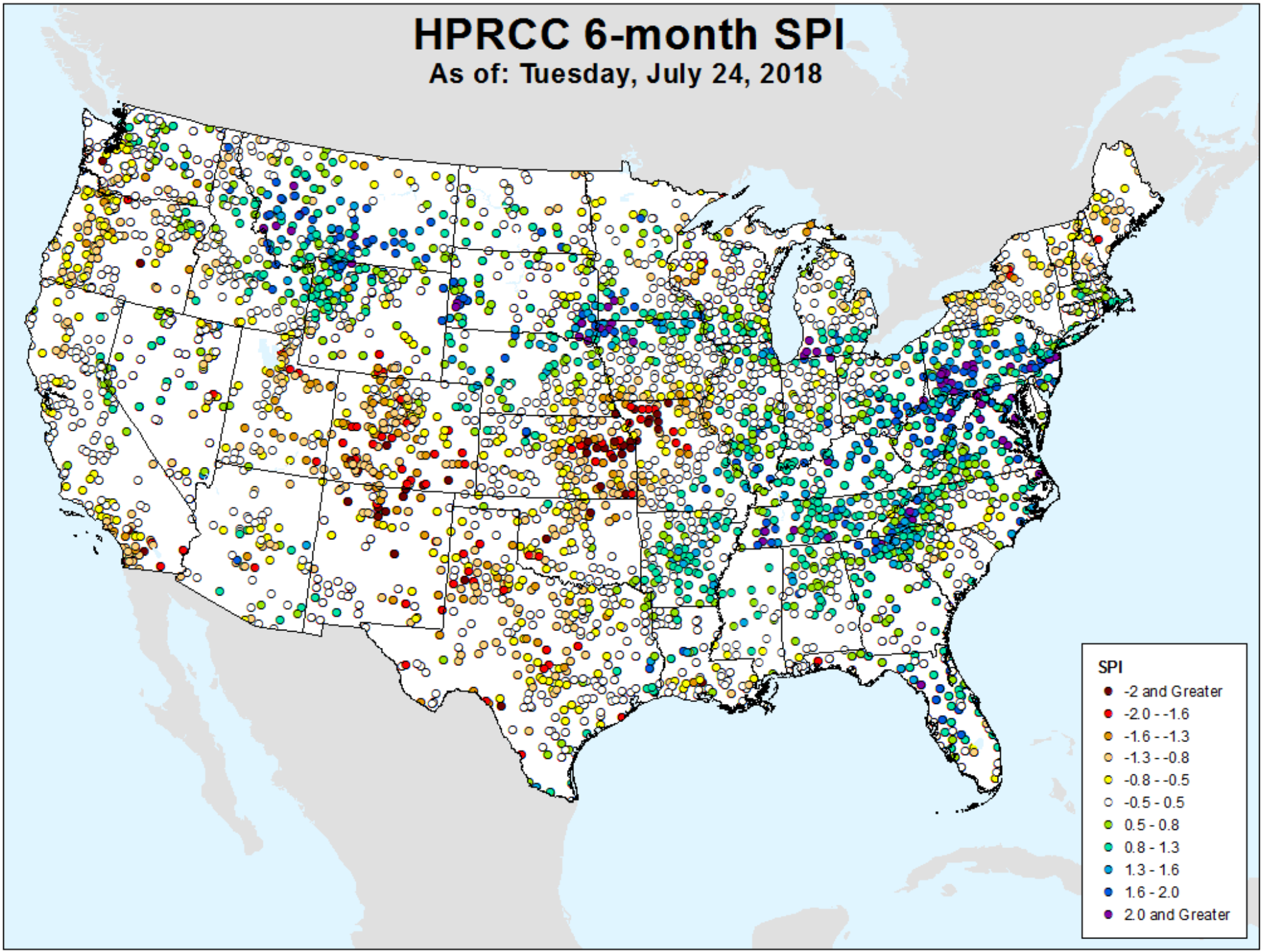
HPRCC 6-month SPI

As of: Tuesday, July 24, 2018



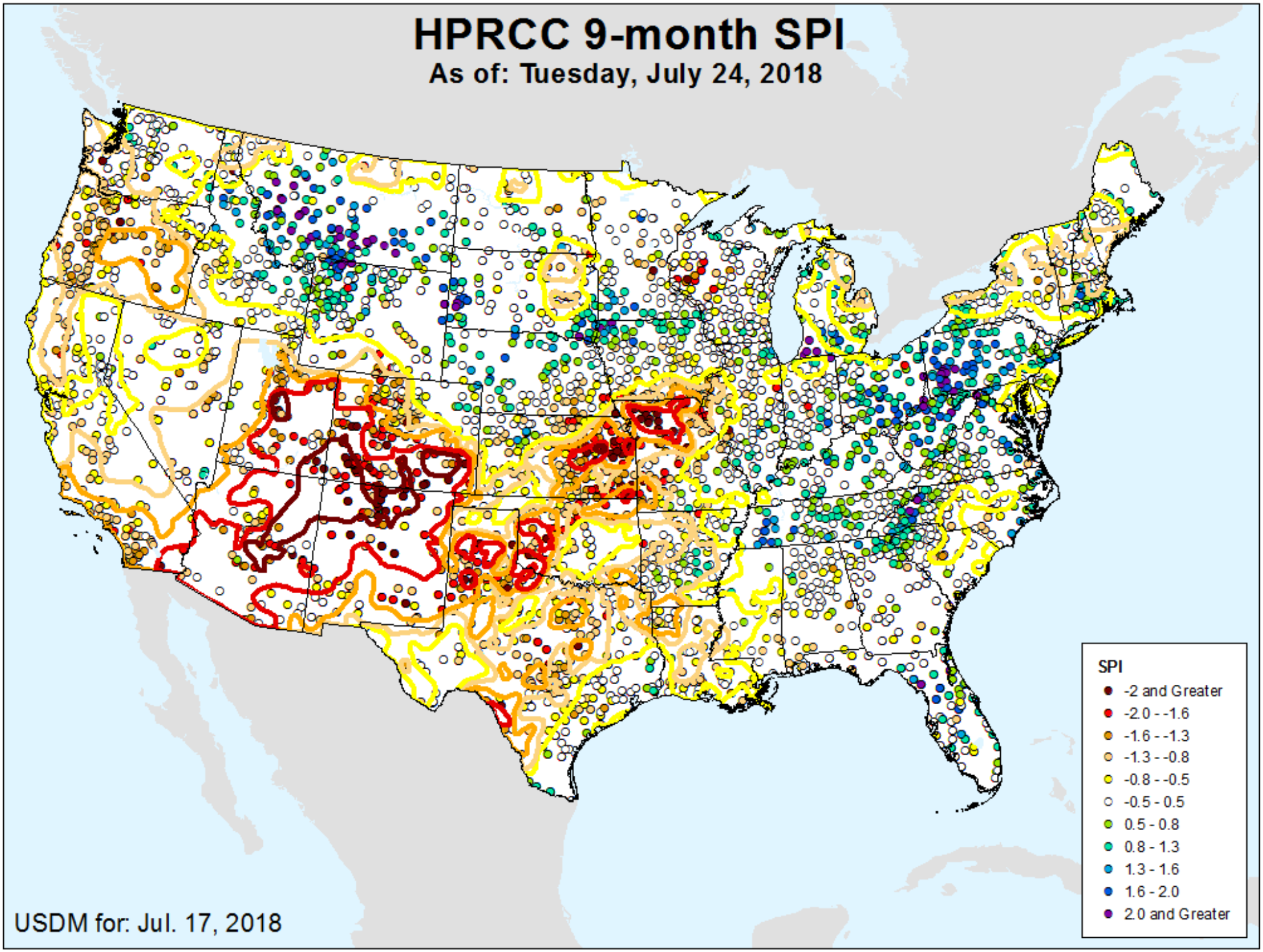
HPRCC 6-month SPI

As of: Tuesday, July 24, 2018



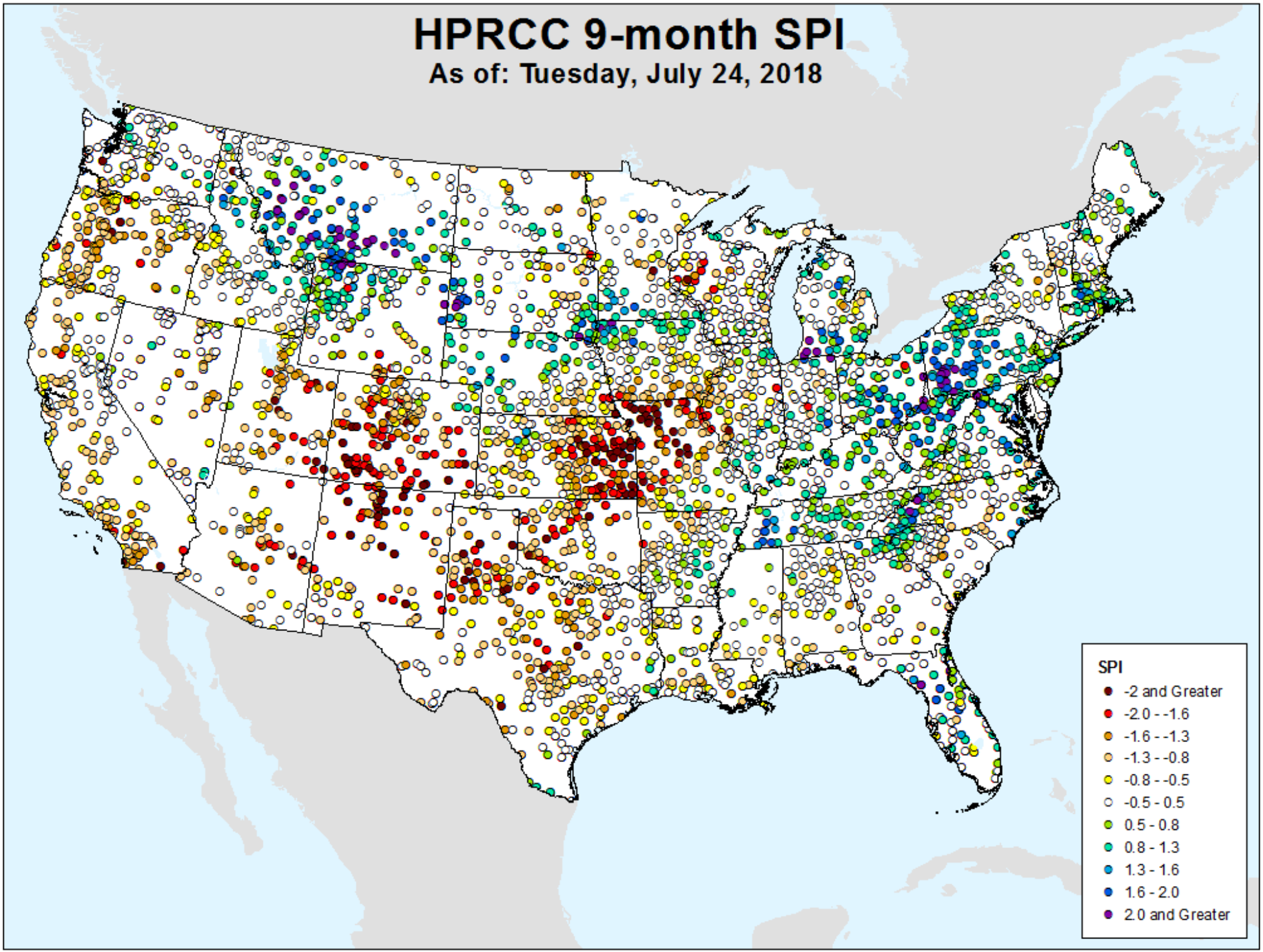
HPRCC 9-month SPI

As of: Tuesday, July 24, 2018



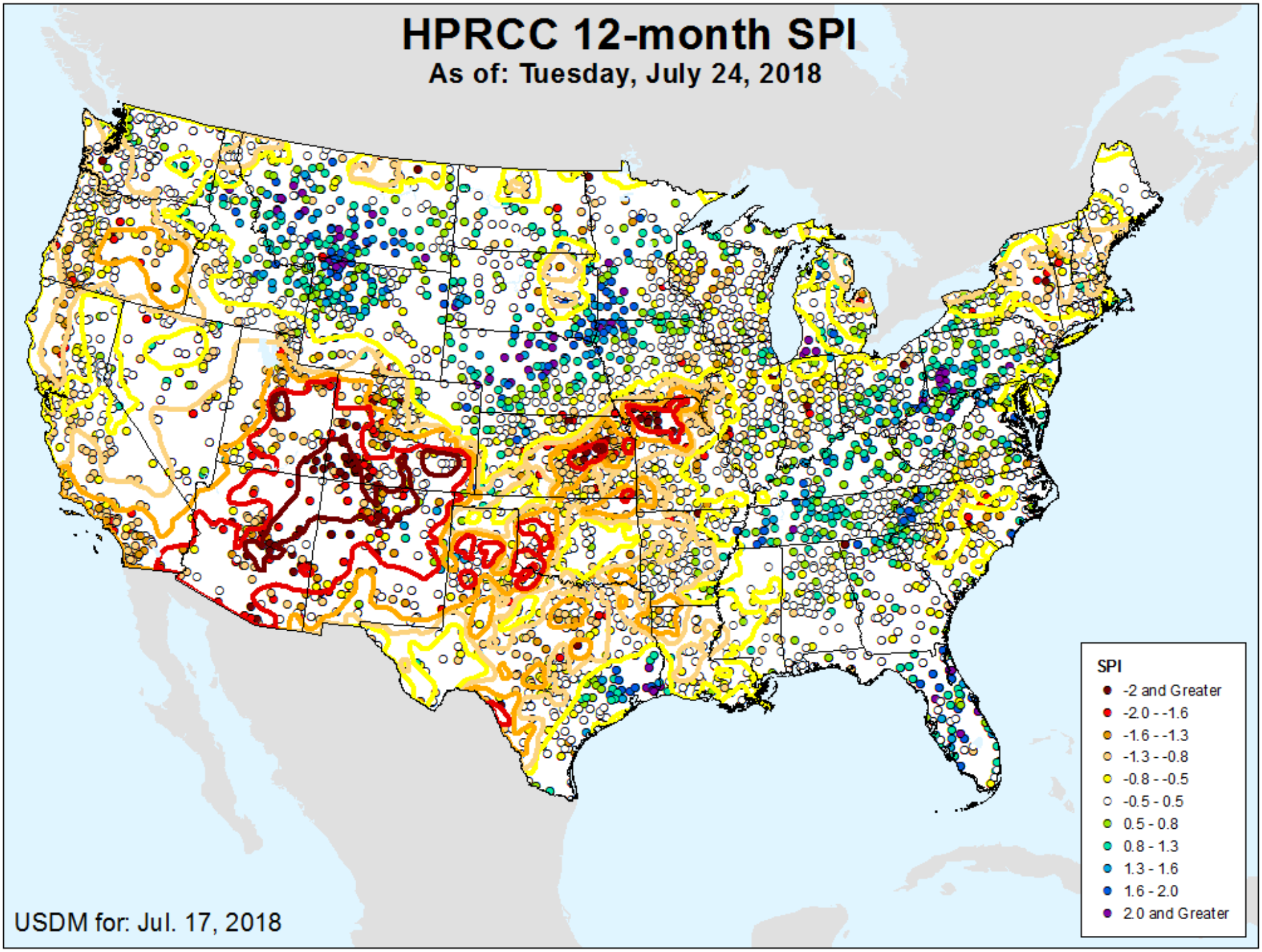
HPRCC 9-month SPI

As of: Tuesday, July 24, 2018



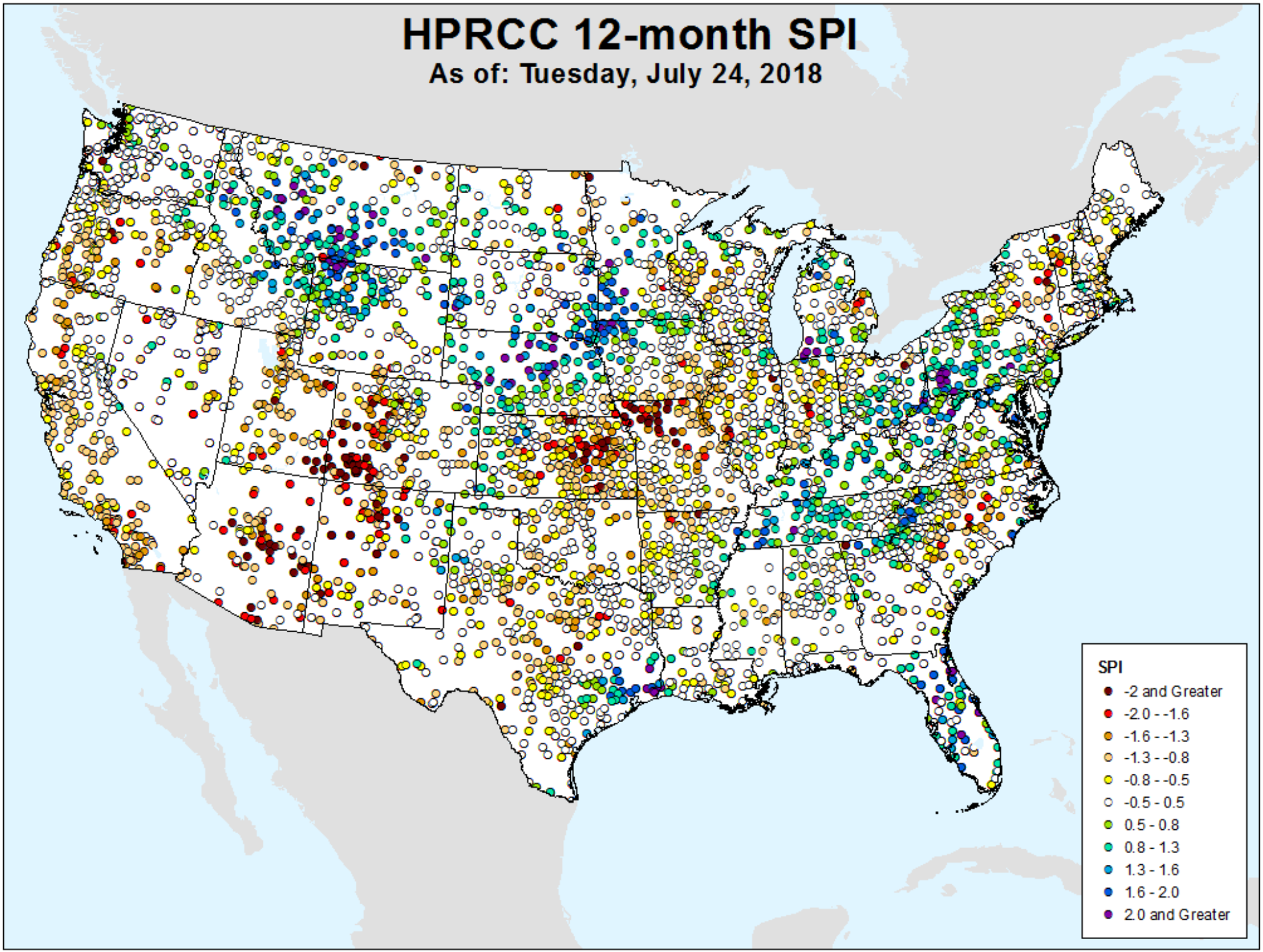
HPRCC 12-month SPI

As of: Tuesday, July 24, 2018



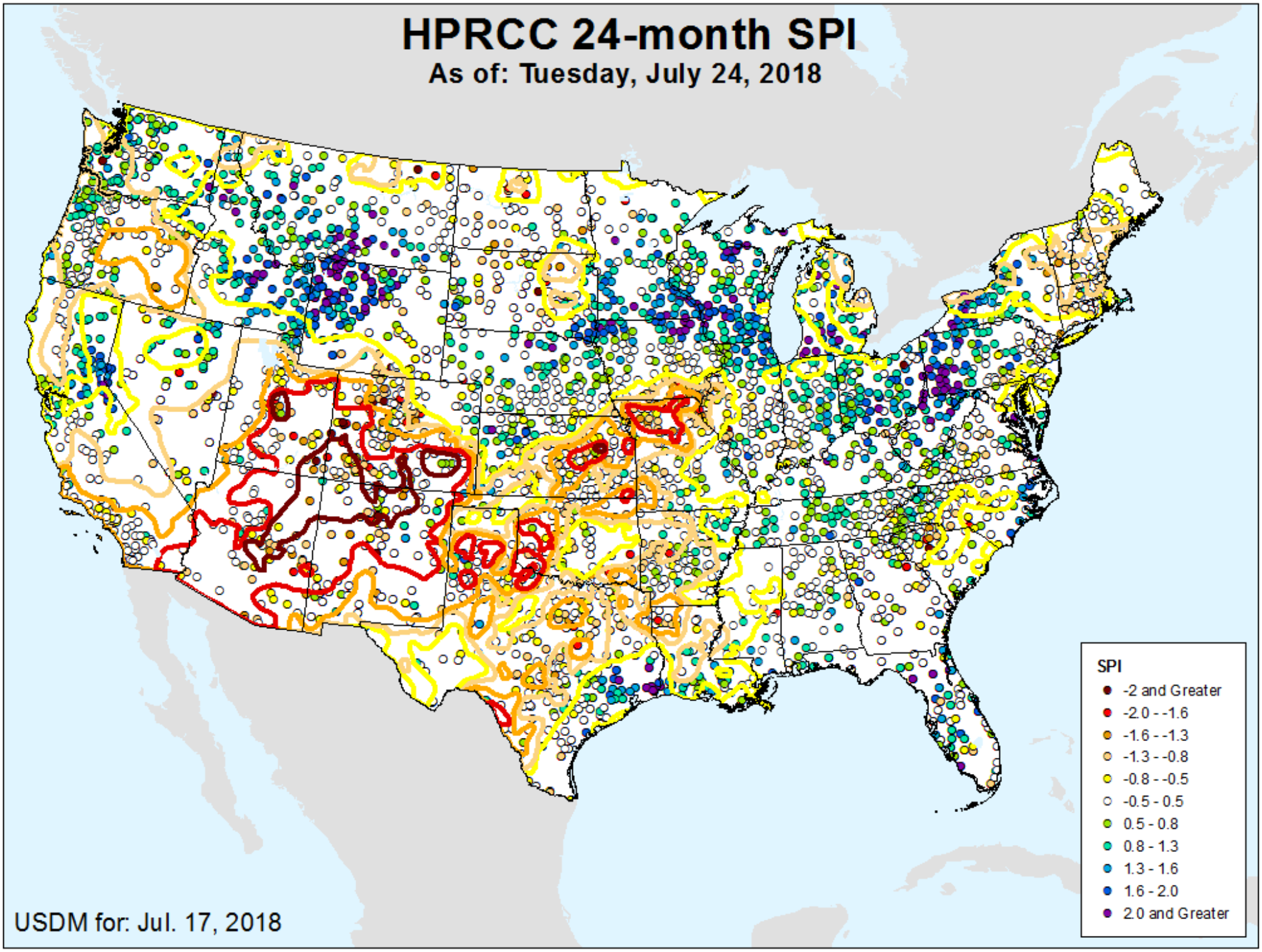
HPRCC 12-month SPI

As of: Tuesday, July 24, 2018



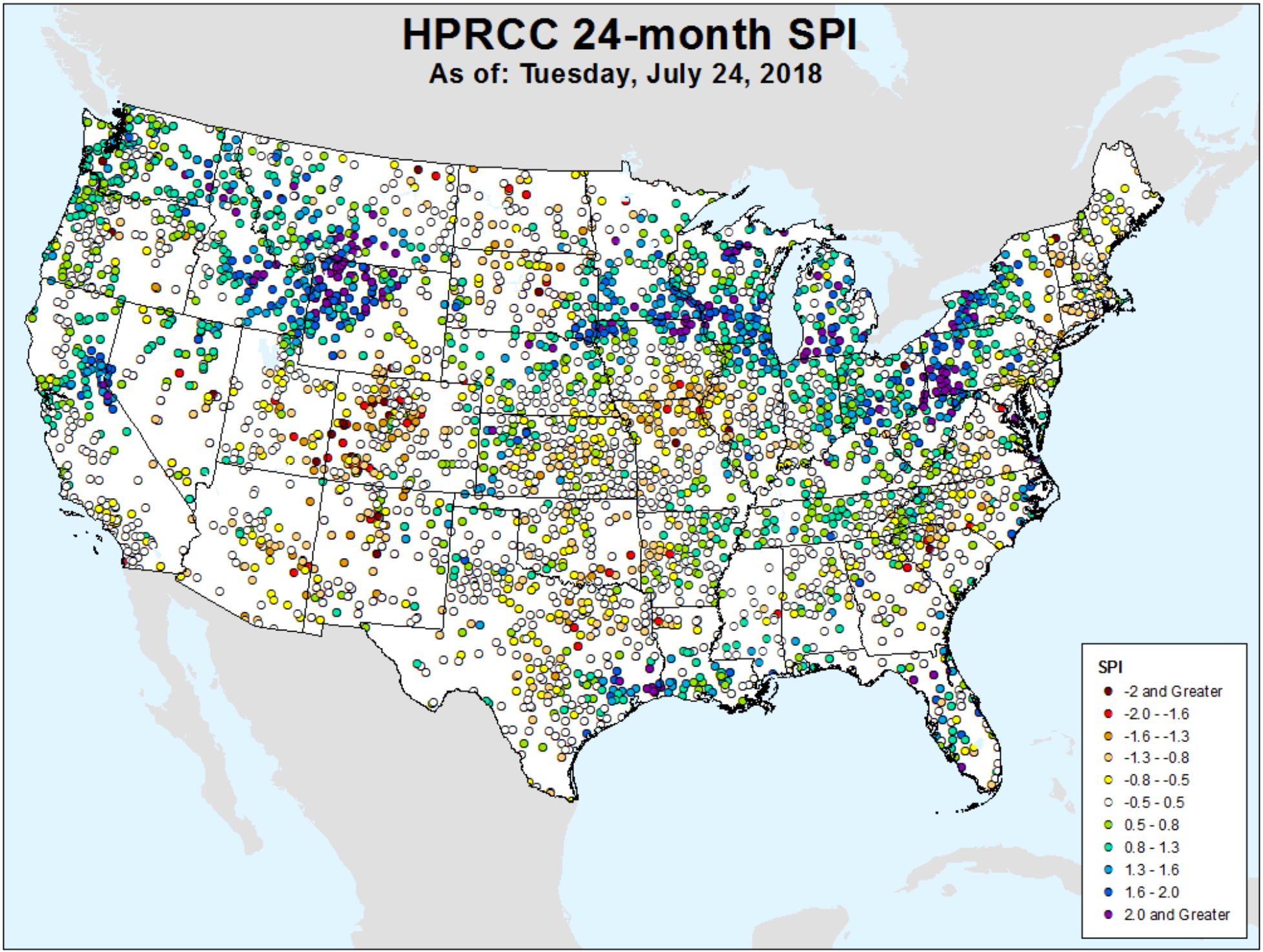
HPRCC 24-month SPI

As of: Tuesday, July 24, 2018



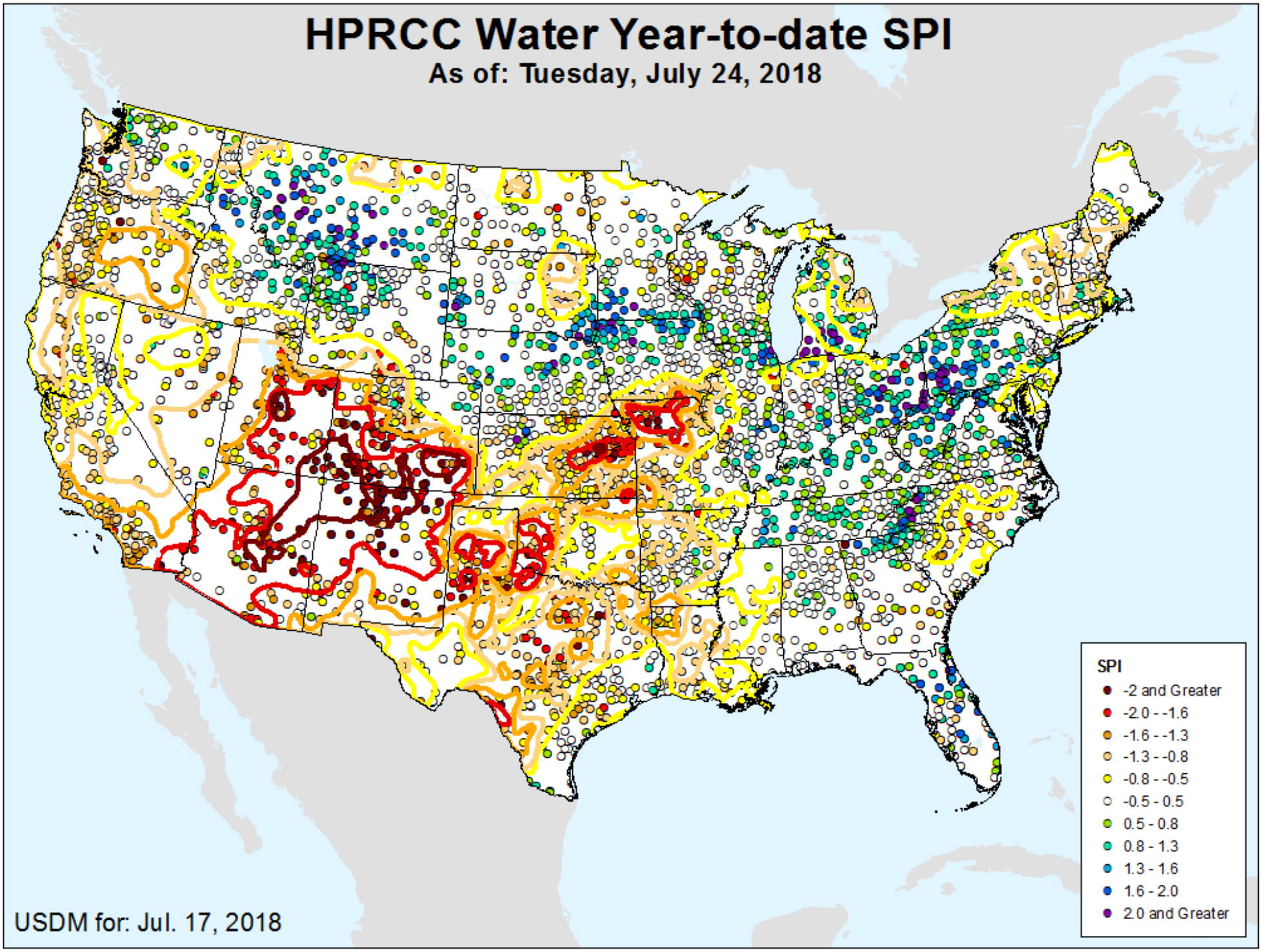
HPRCC 24-month SPI

As of: Tuesday, July 24, 2018



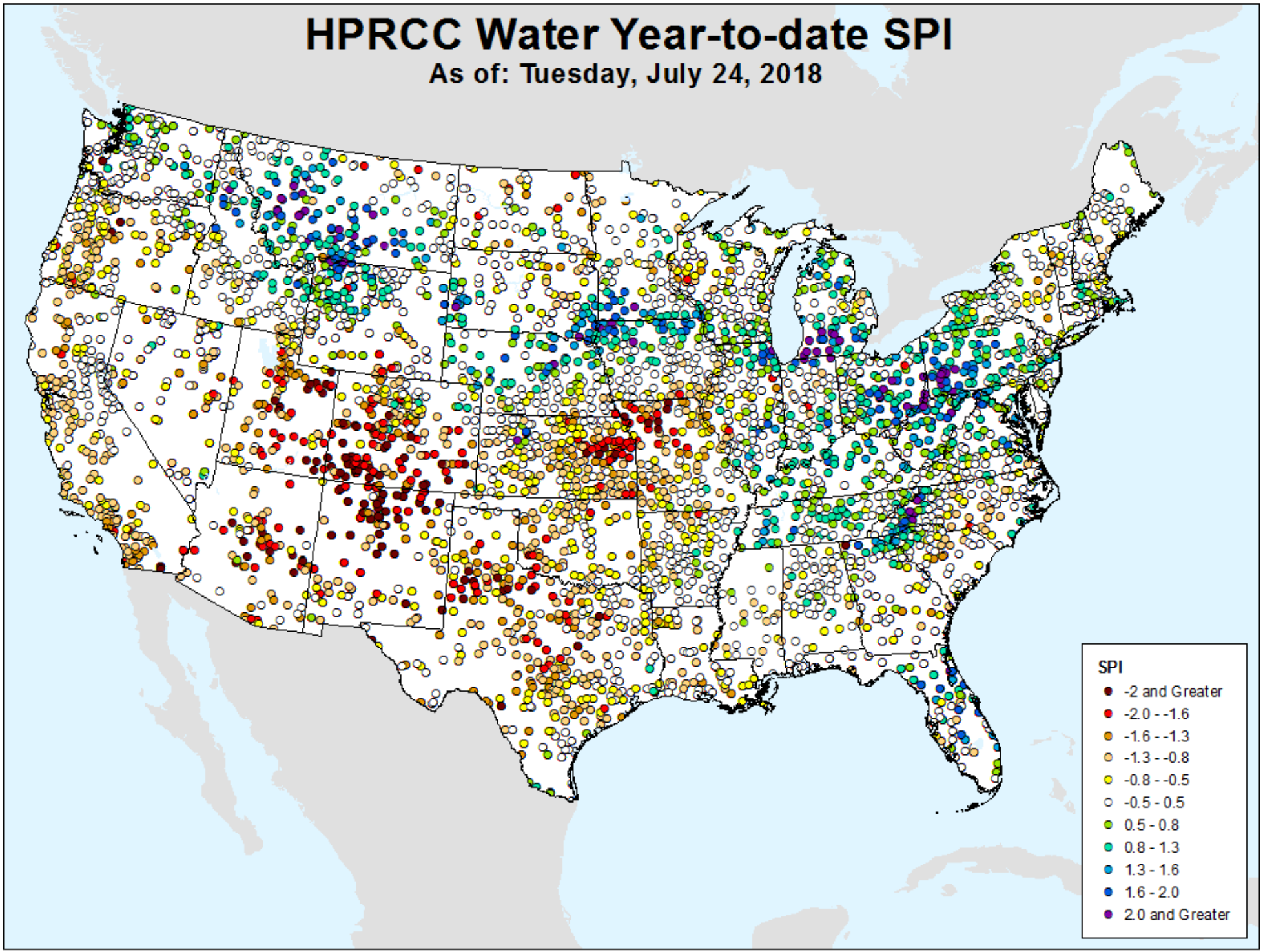
HPRCC Water Year-to-date SPI

As of: Tuesday, July 24, 2018



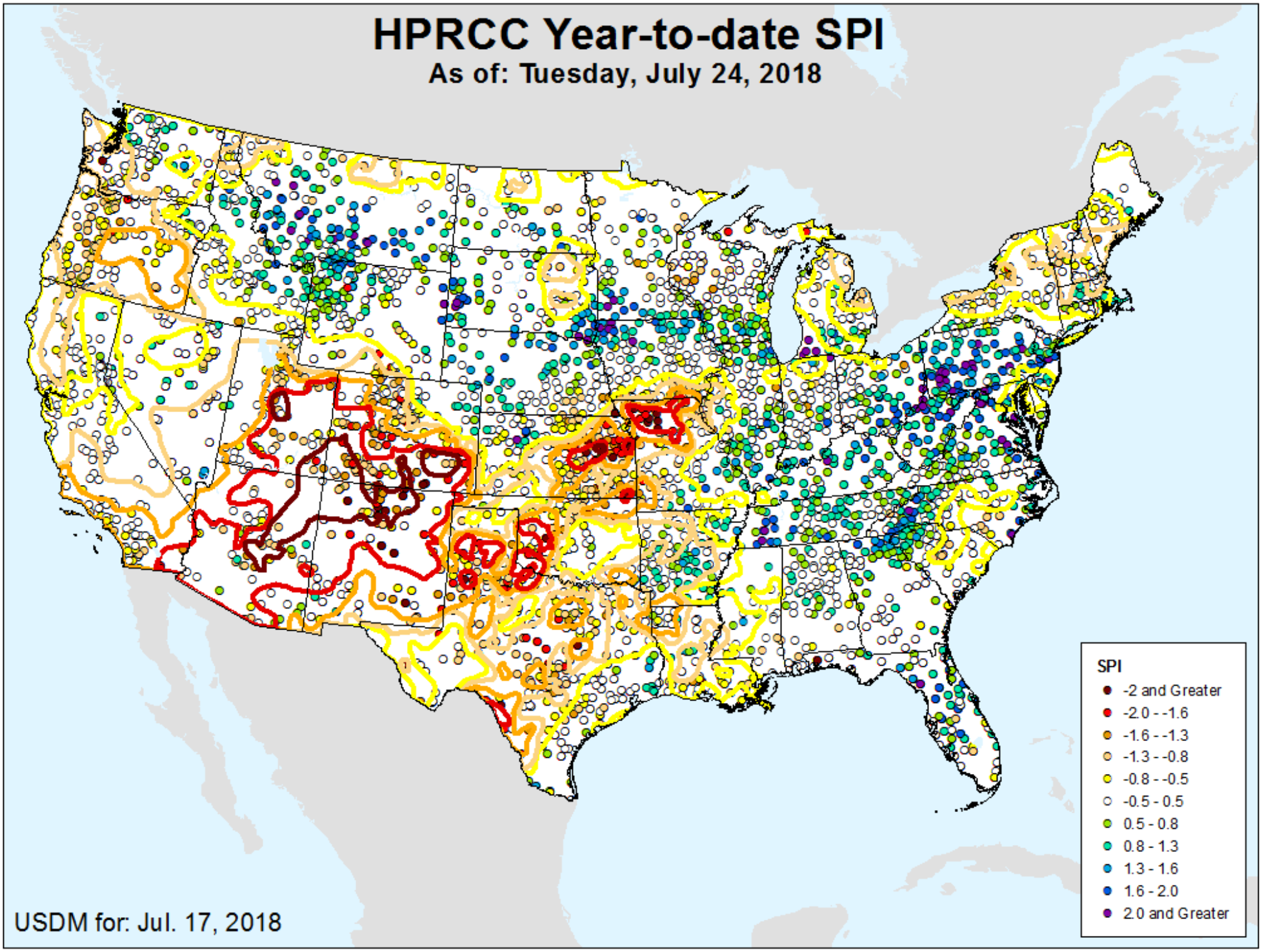
HPRCC Water Year-to-date SPI

As of: Tuesday, July 24, 2018



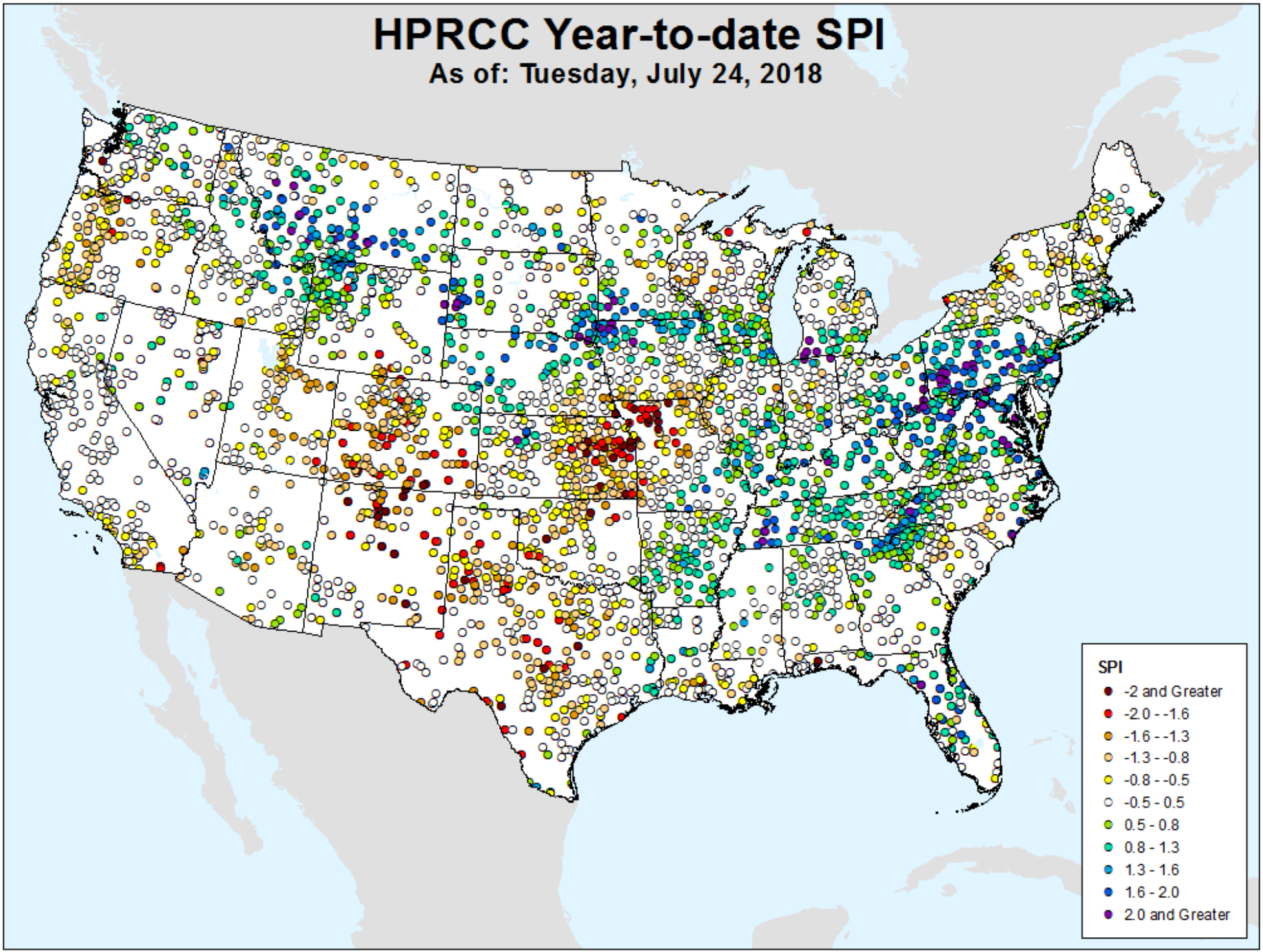
HPRCC Year-to-date SPI

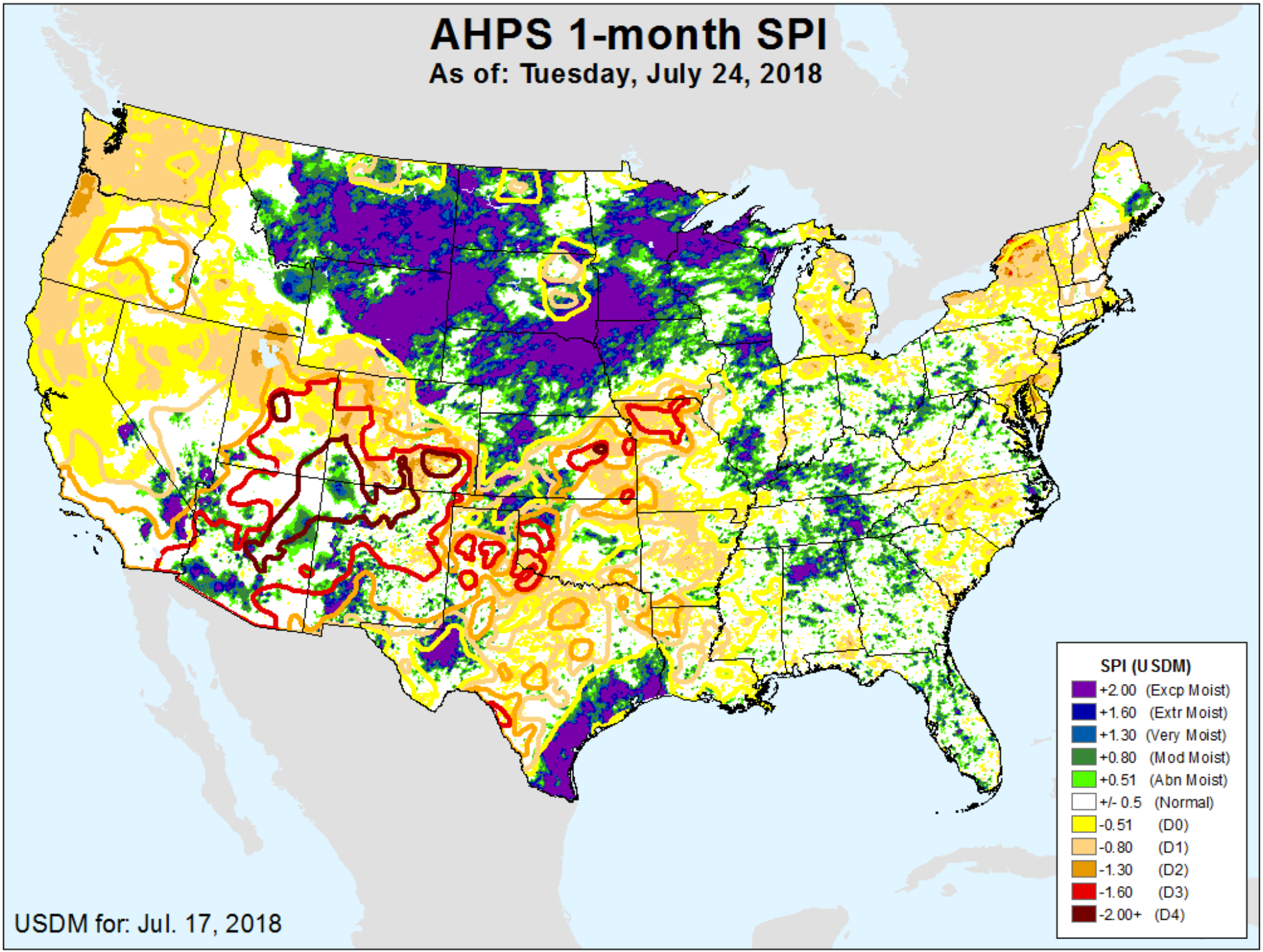
As of: Tuesday, July 24, 2018



HPRCC Year-to-date SPI

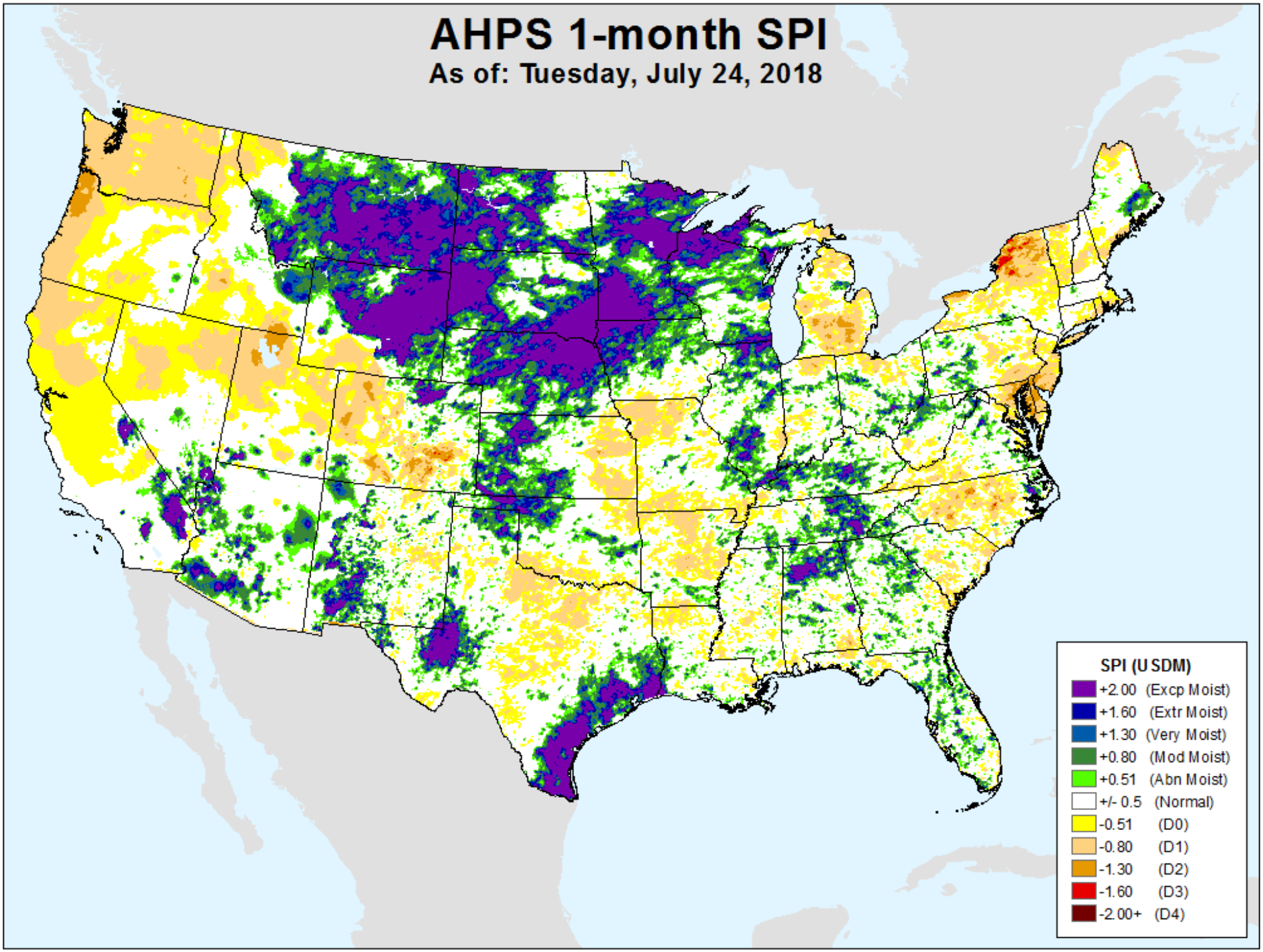
As of: Tuesday, July 24, 2018




AHPS 1-month SPI
As of: Tuesday, July 24, 2018
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. 17, 2018

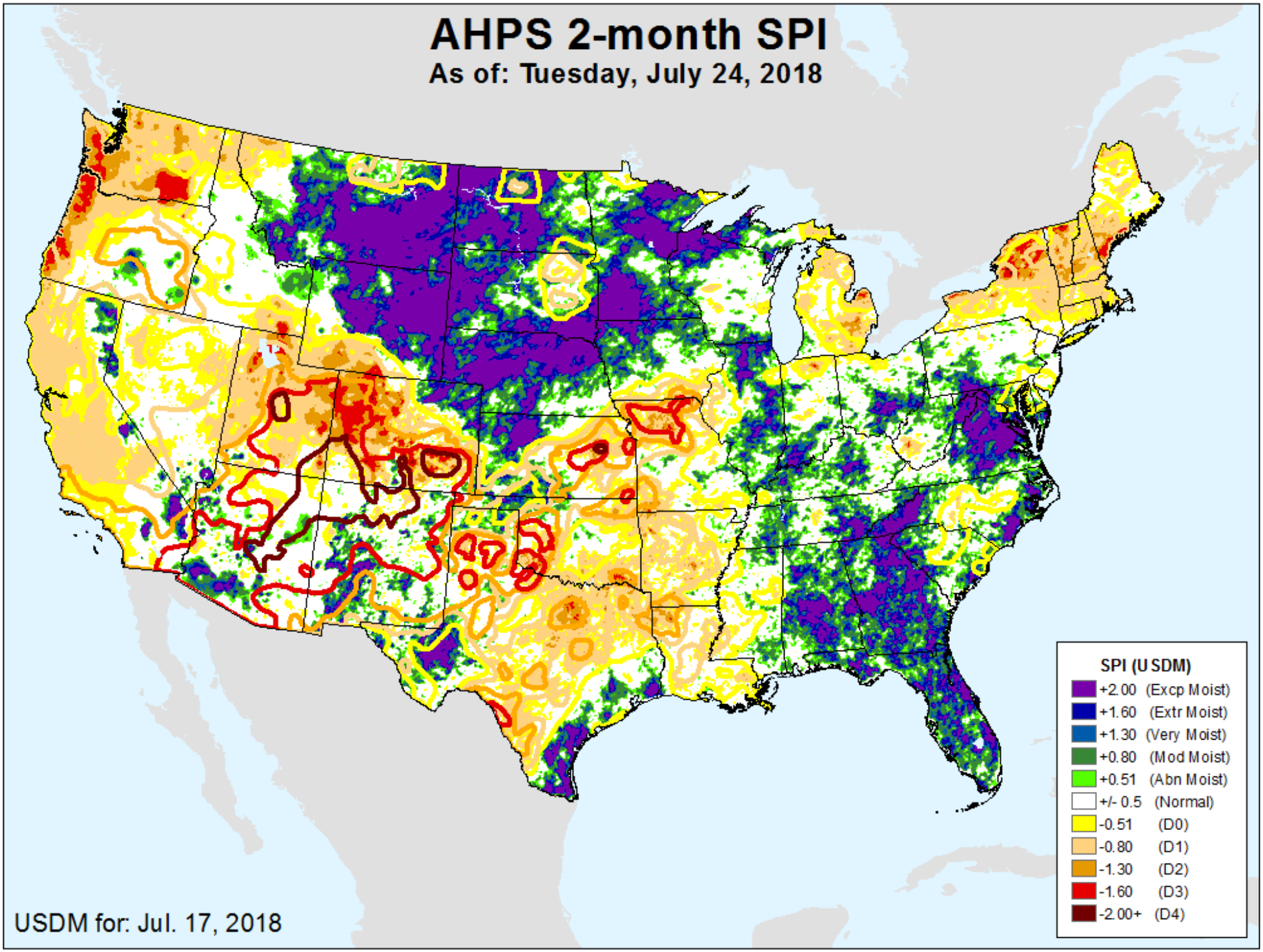
AHPS 1-month SPI

As of: Tuesday, July 24, 2018



AHPS 2-month SPI

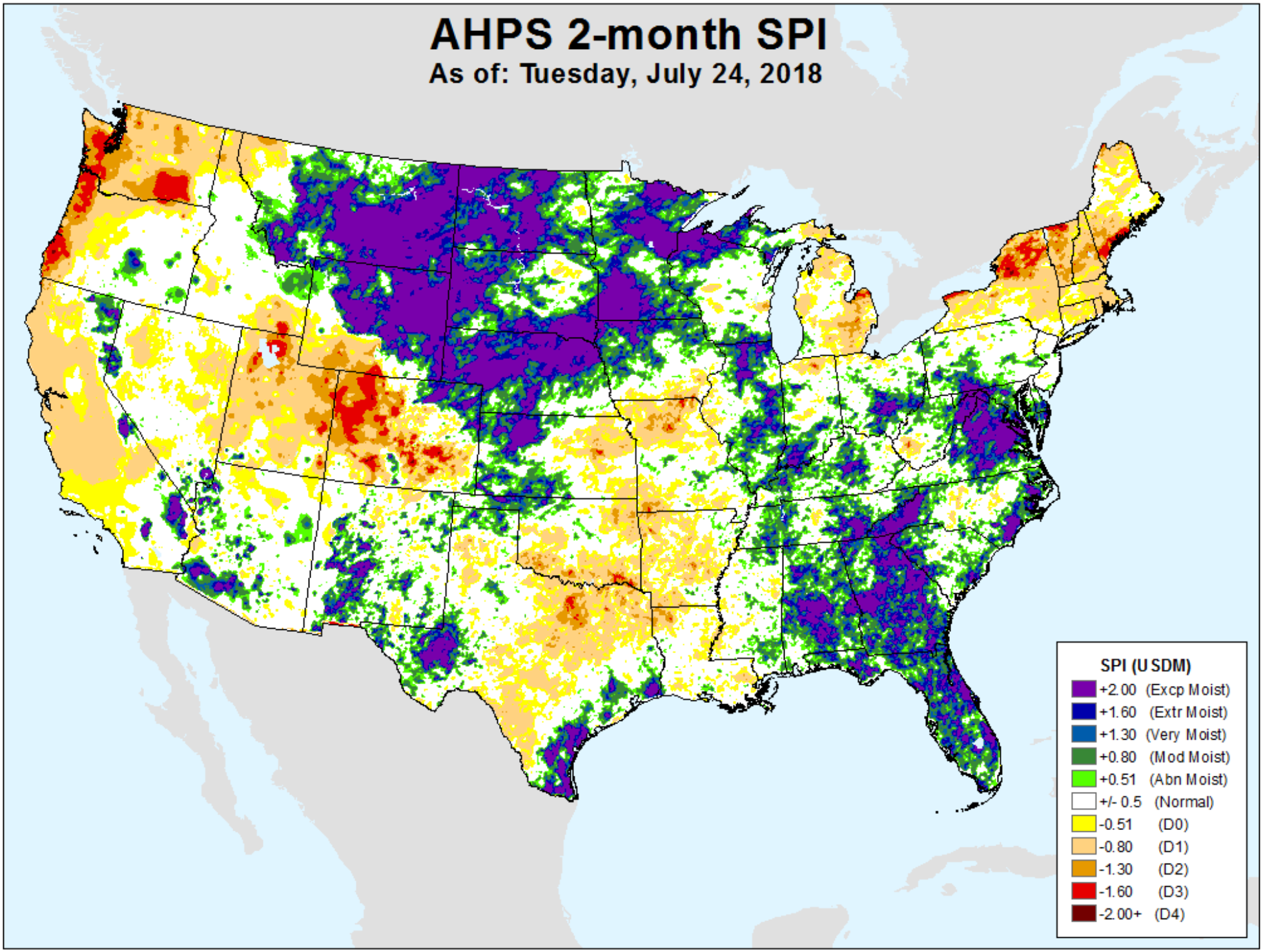
As of: Tuesday, July 24, 2018

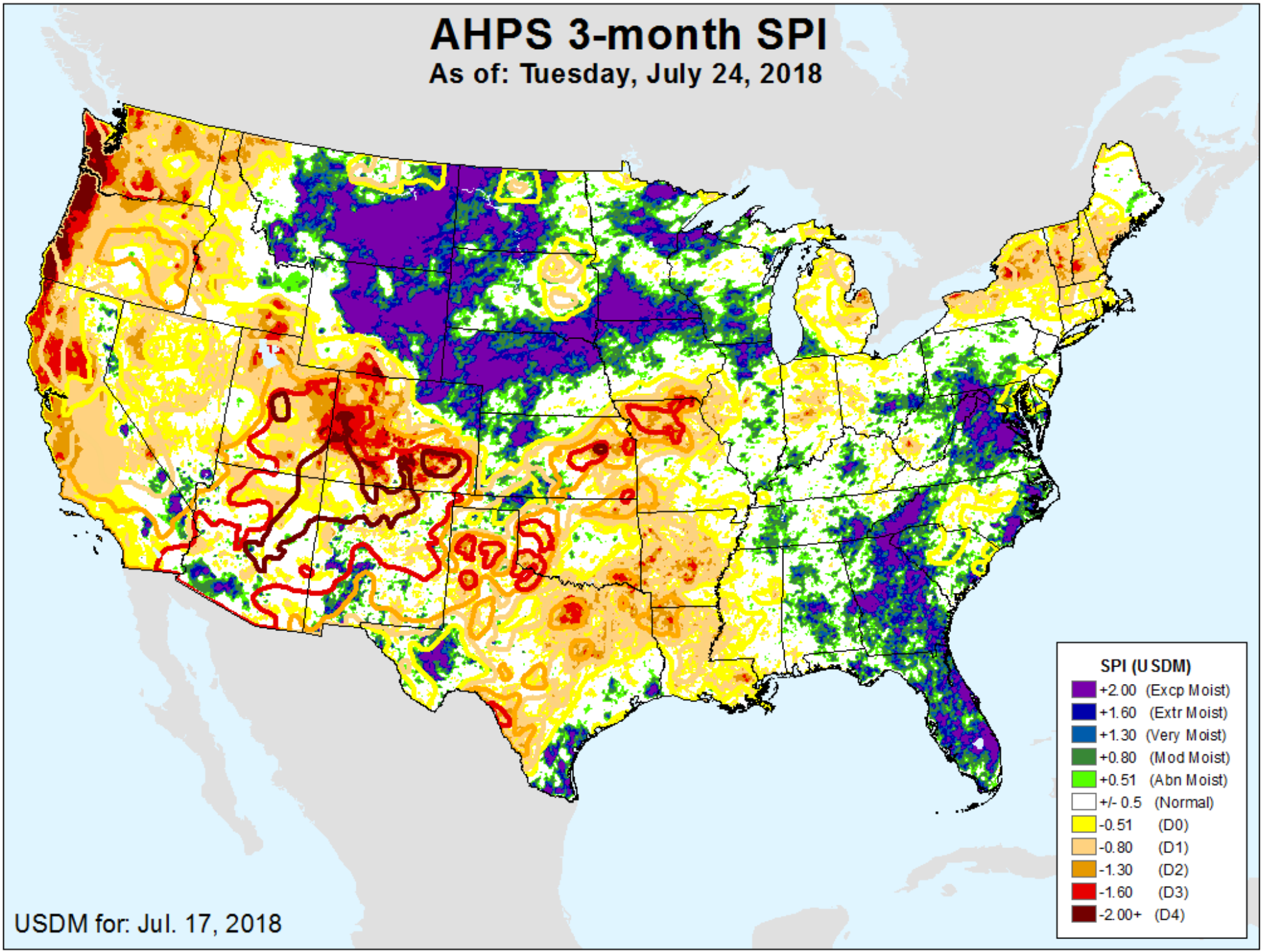


USDM for: Jul. 17, 2018

AHPS 2-month SPI

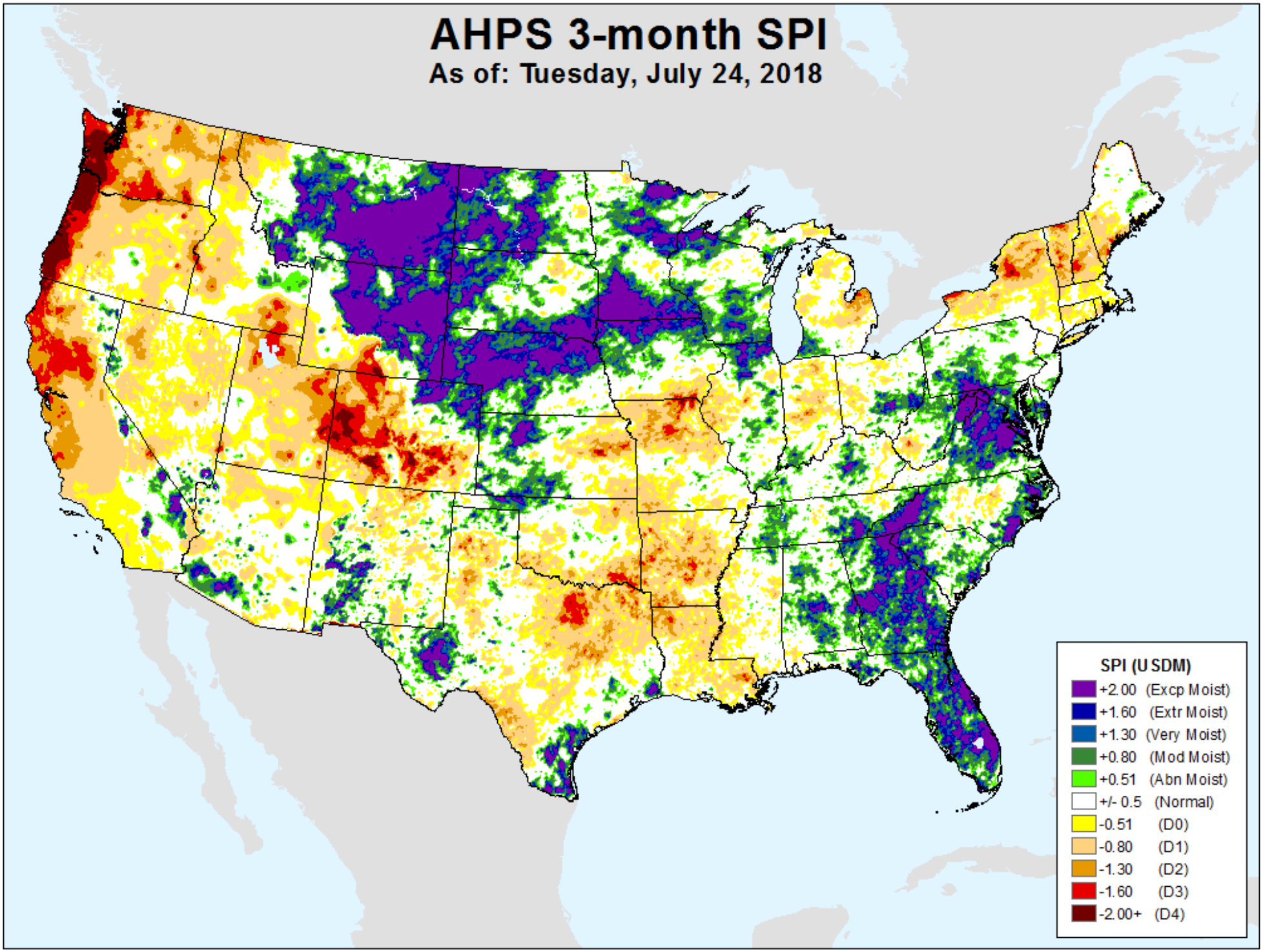
As of: Tuesday, July 24, 2018

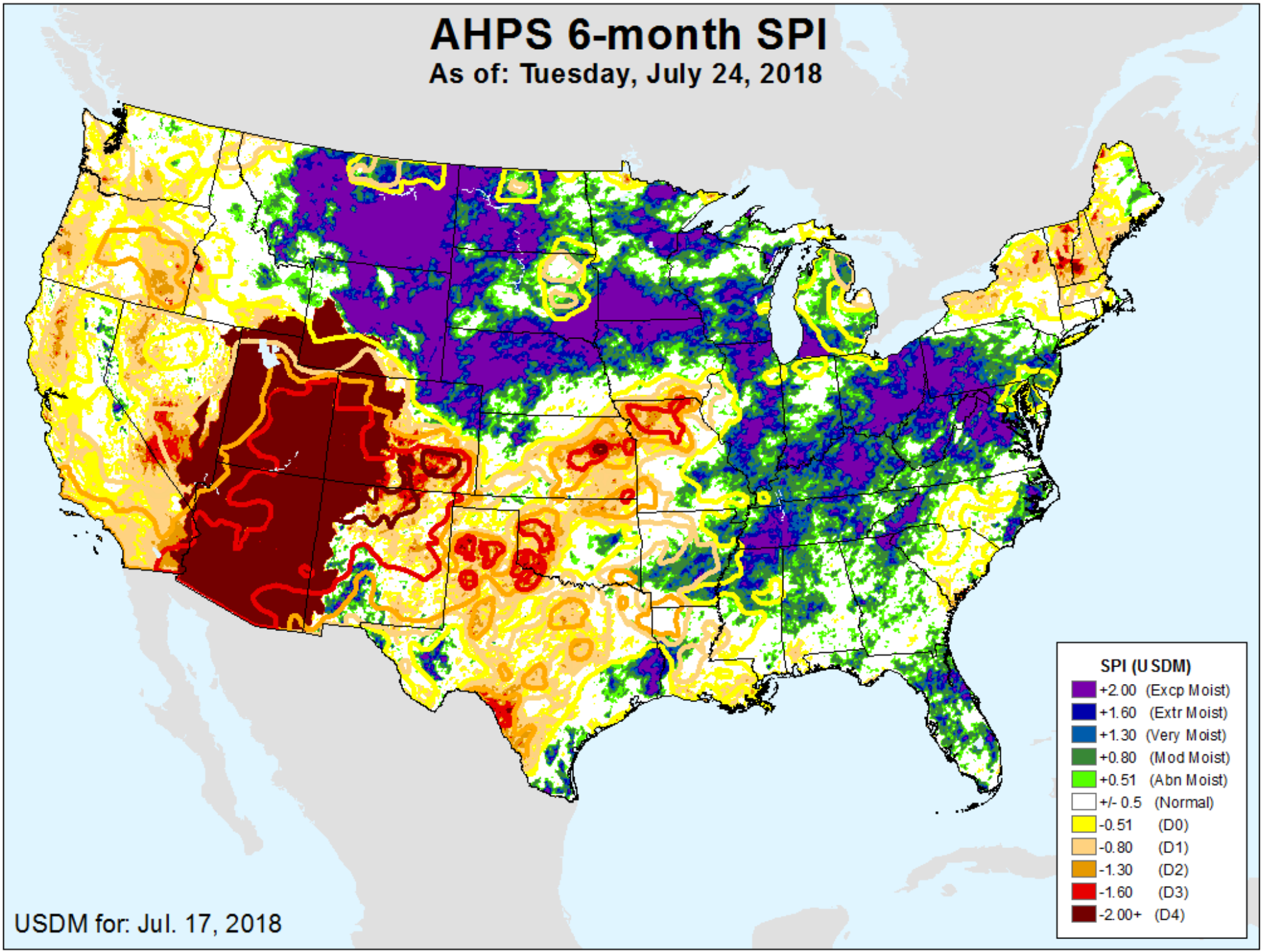



AHPS 3-month SPI
As of: Tuesday, July 24, 2018
SPI (USDM)
+2.00 (Excp Moist)
+1.60 (Extr Moist)
+1.30 (Very Moist)
+0.80 (Mod Moist)
+0.51 (Abn Moist)
+/- 0.5 (Normal)
-0.51 (D0)
-0.80 (D1)
-1.30 (D2)
-1.60 (D3)
-2.00+ (D4)
USDM for: Jul. 17, 2018

AHPS 3-month SPI

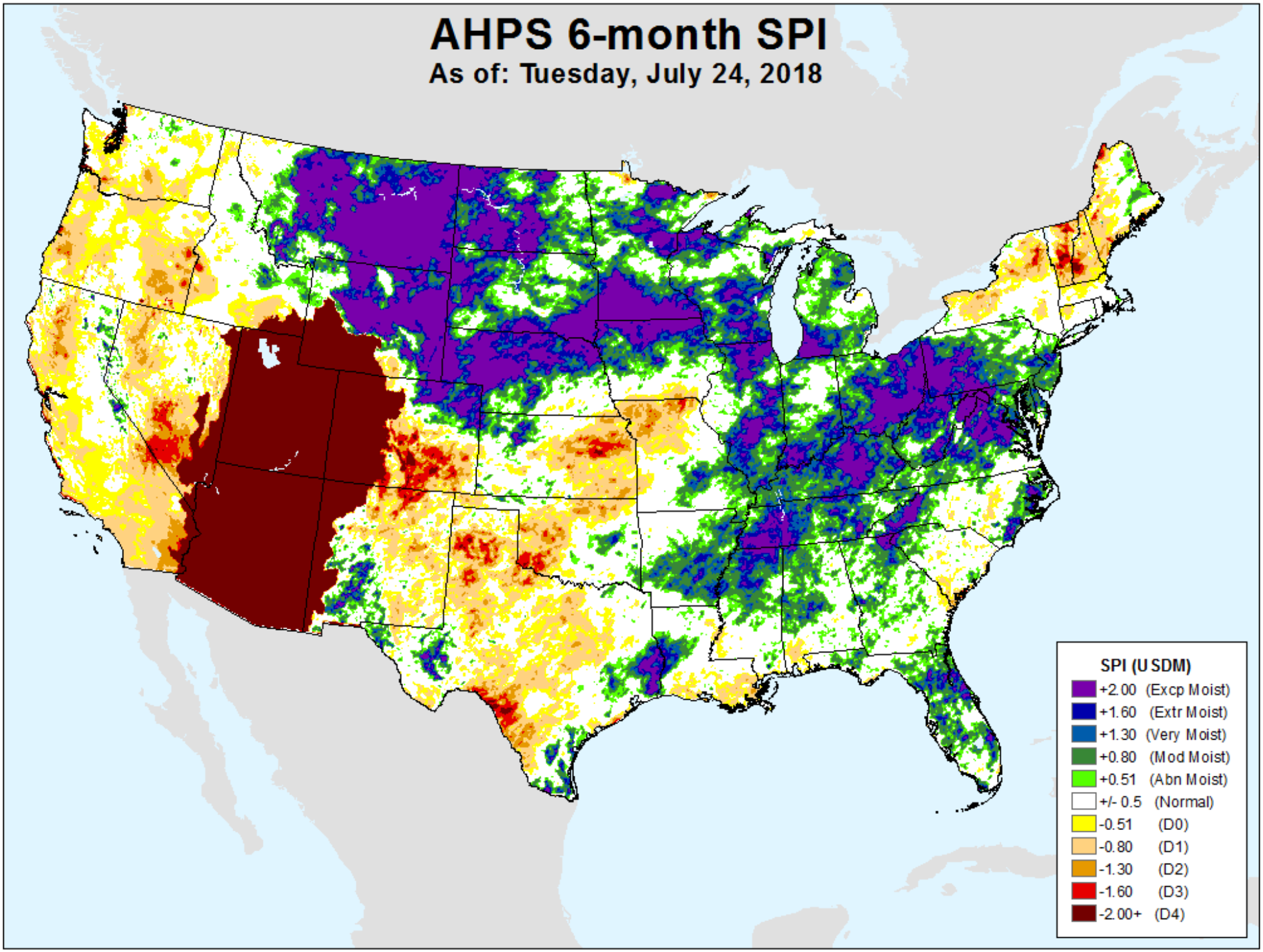
As of: Tuesday, July 24, 2018




AHPS 6-month SPI
As of: Tuesday, July 24, 2018
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. 17, 2018

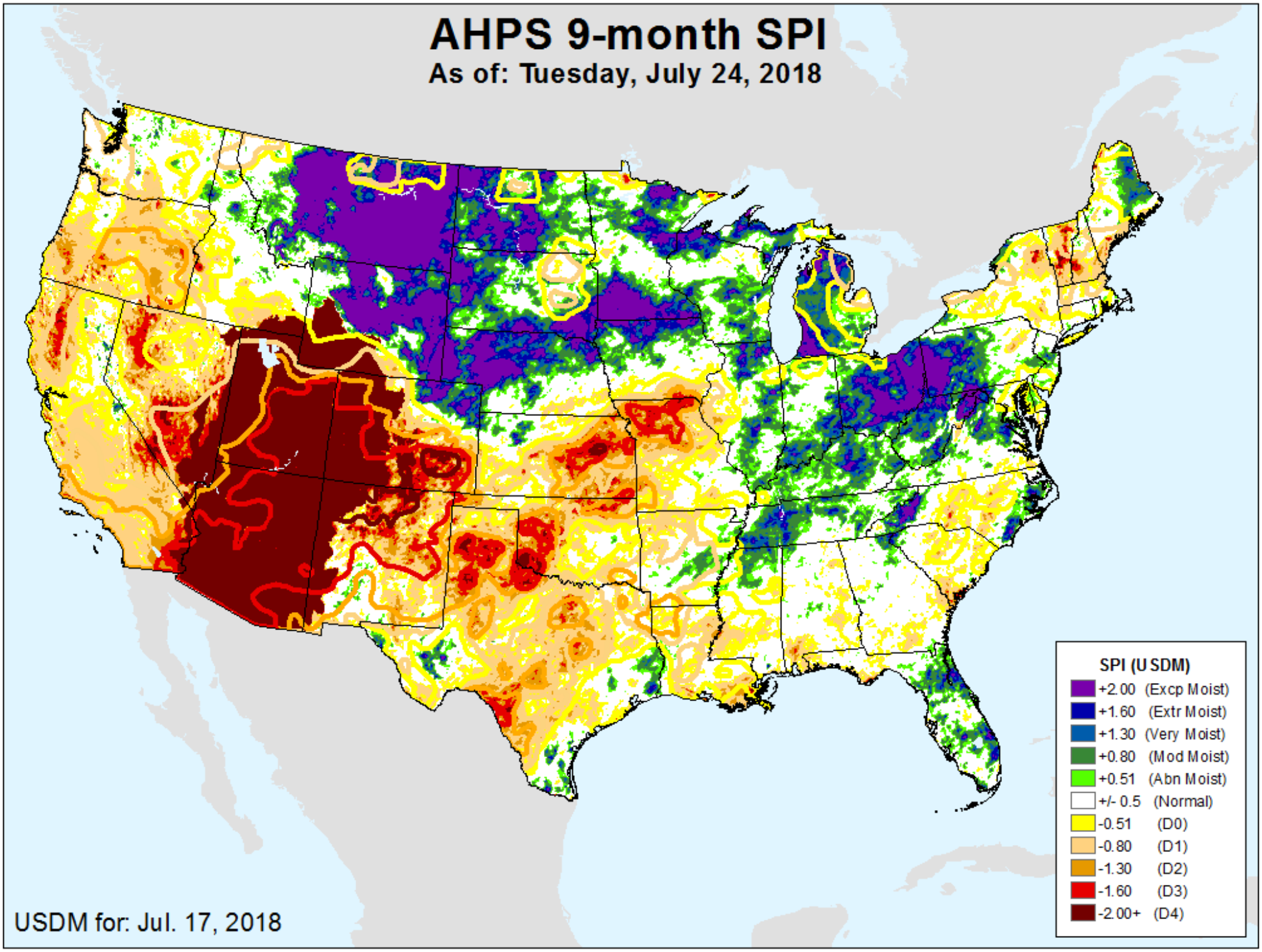
AHPS 6-month SPI

As of: Tuesday, July 24, 2018



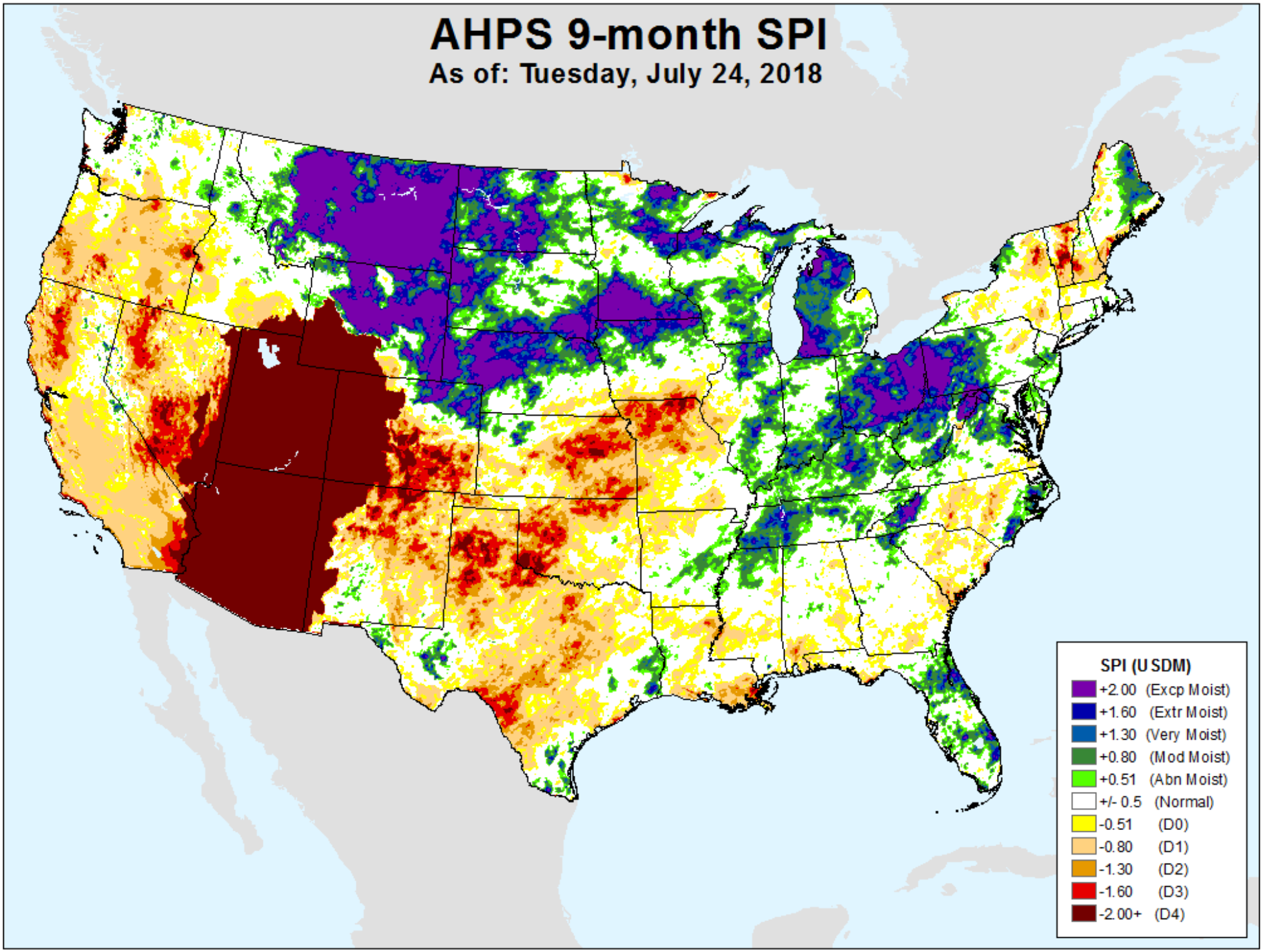
AHPS 9-month SPI

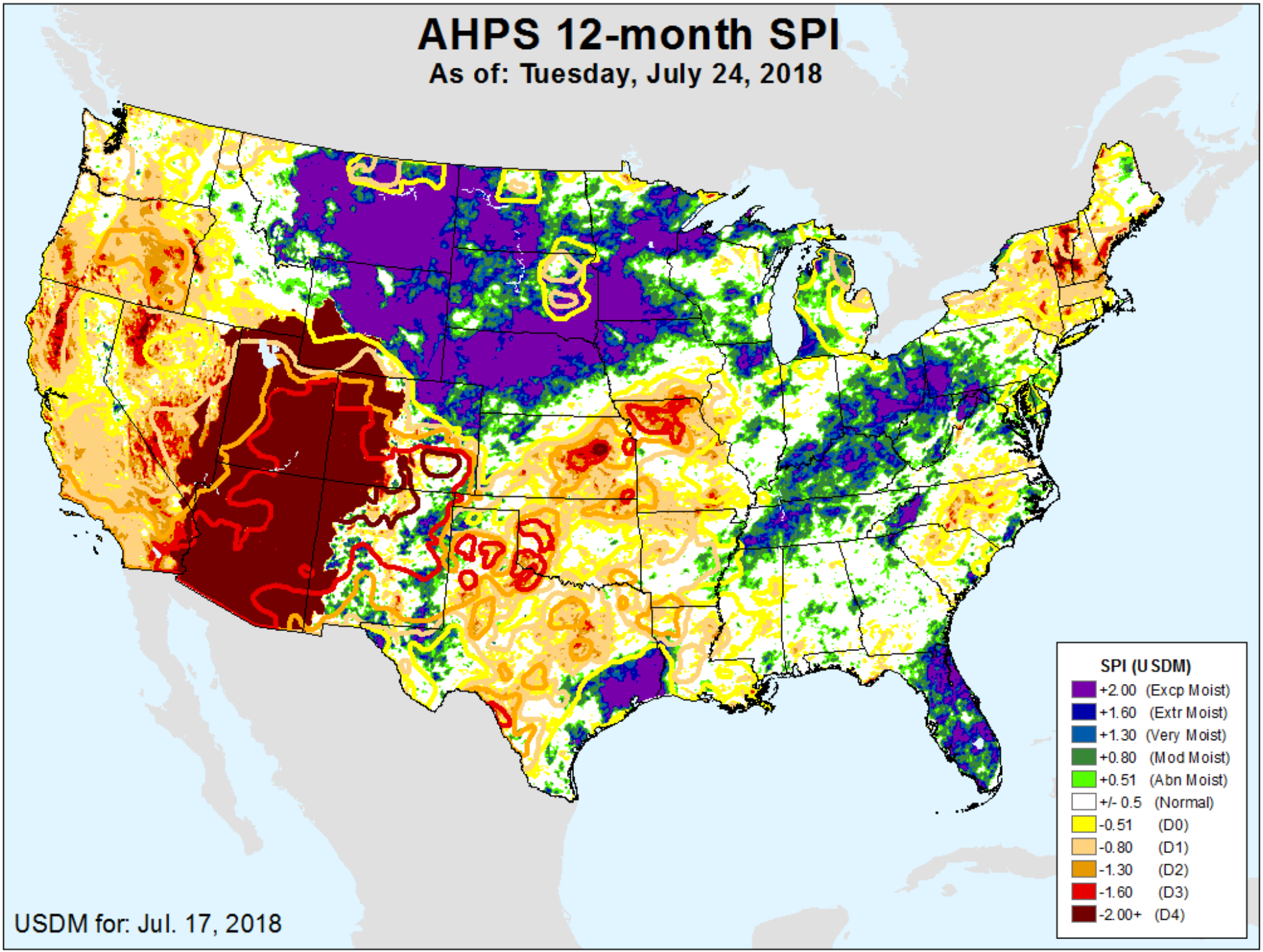
As of: Tuesday, July 24, 2018



AHPS 9-month SPI

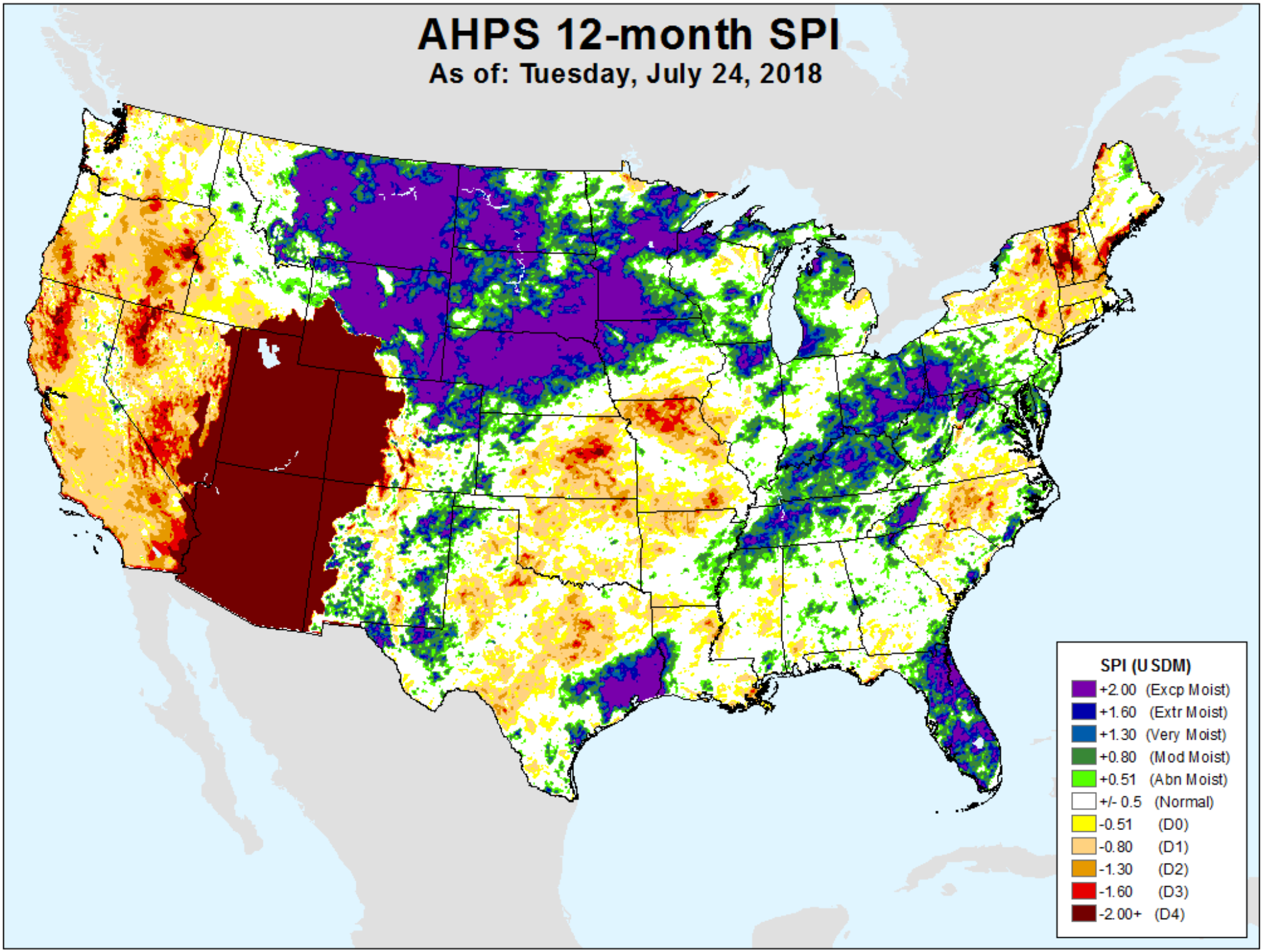
As of: Tuesday, July 24, 2018




AHPS 12-month SPI
As of: Tuesday, July 24, 2018
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. 17, 2018

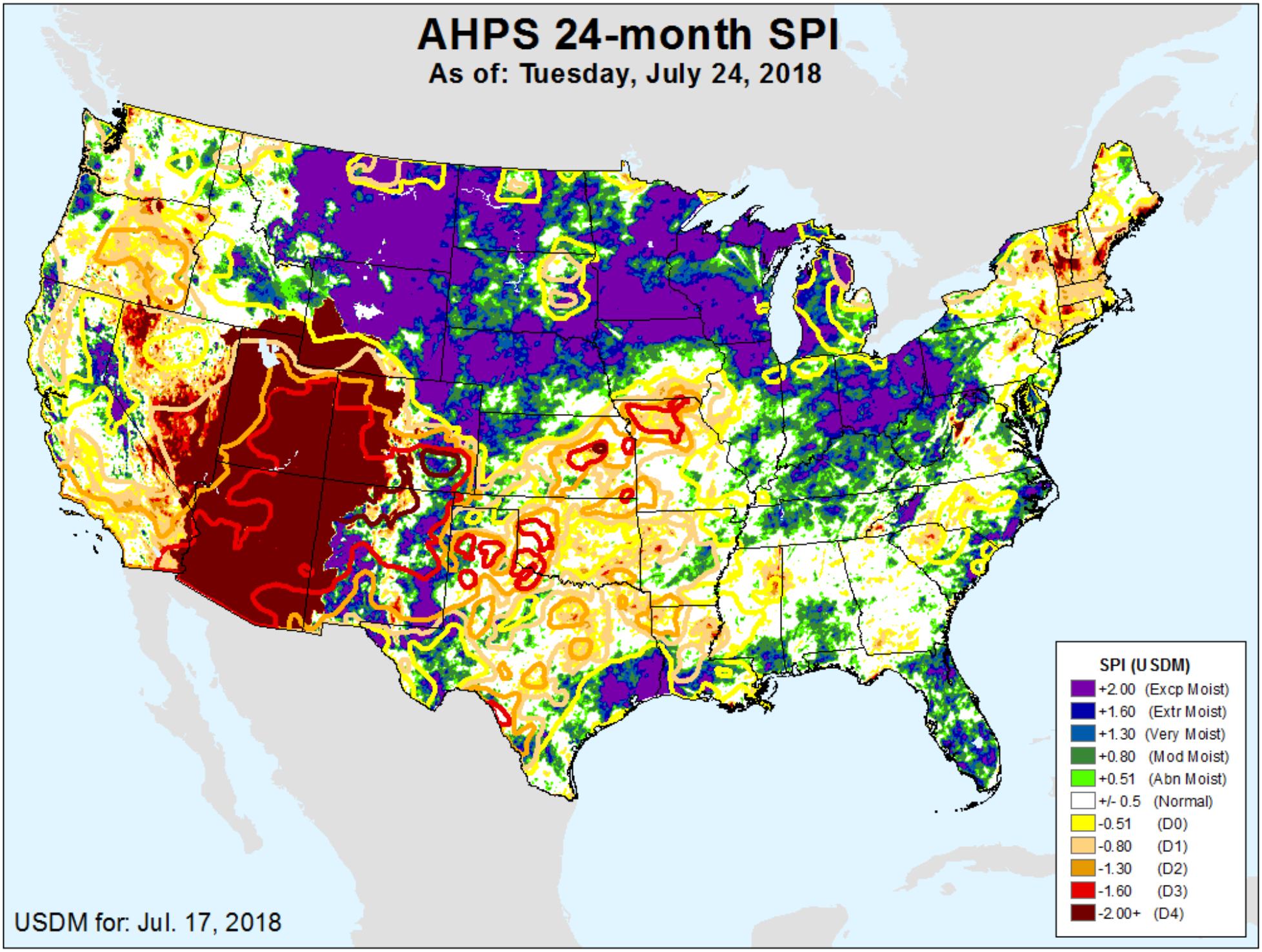
AHPS 12-month SPI

As of: Tuesday, July 24, 2018



AHPS 24-month SPI

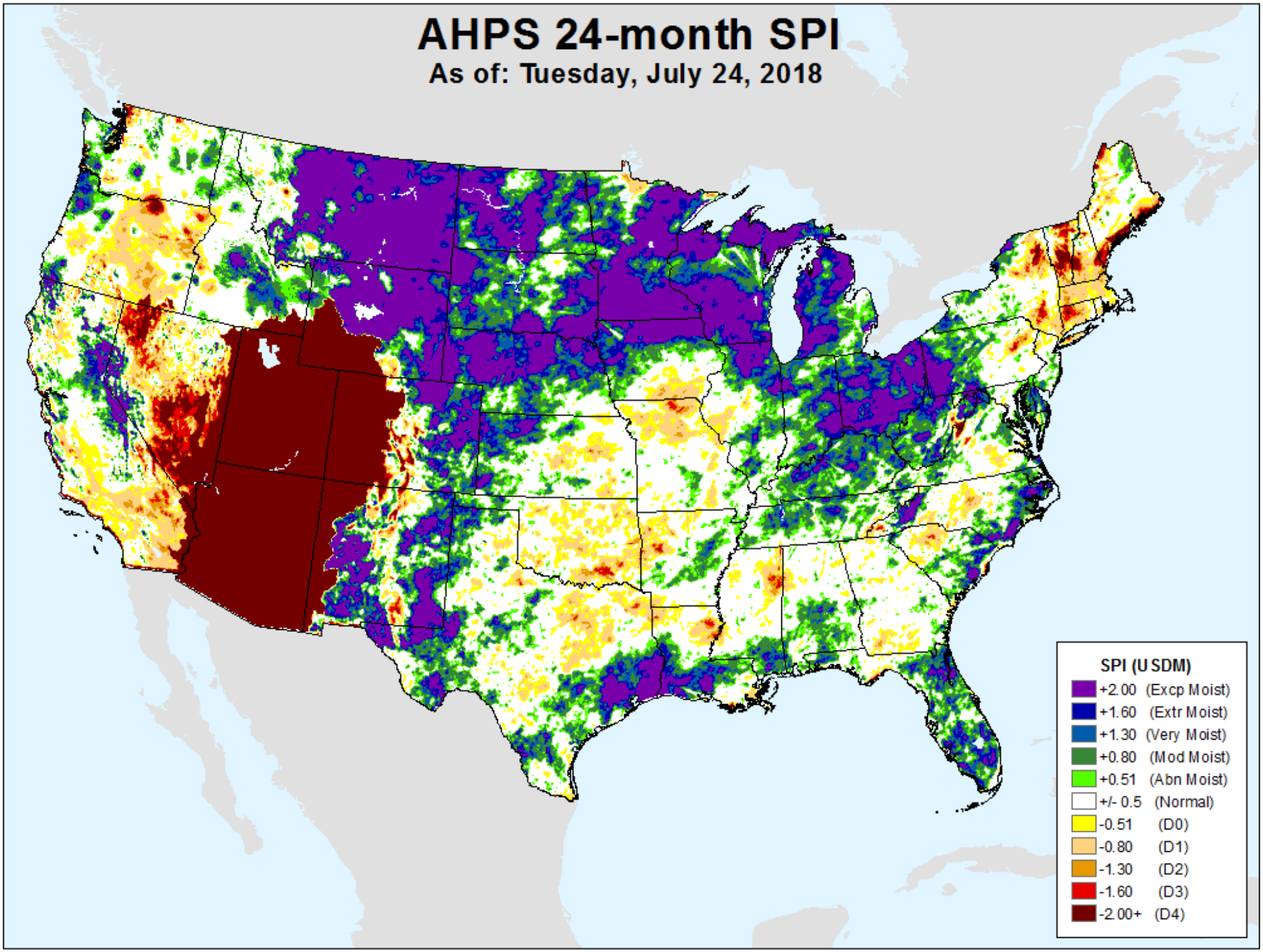
As of: Tuesday, July 24, 2018



USDM for: Jul. 17, 2018

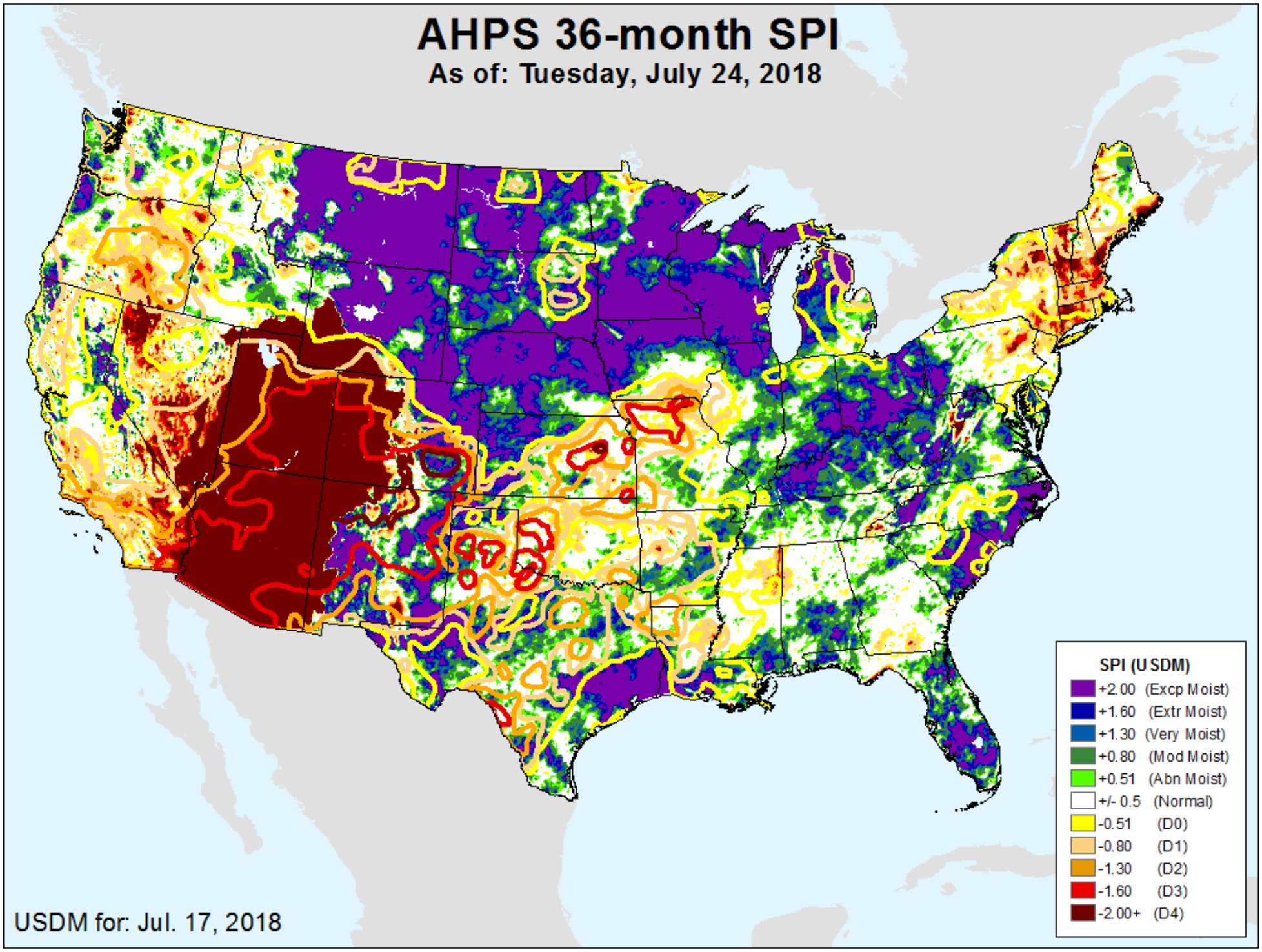
AHPS 24-month SPI

As of: Tuesday, July 24, 2018



AHPS 36-month SPI

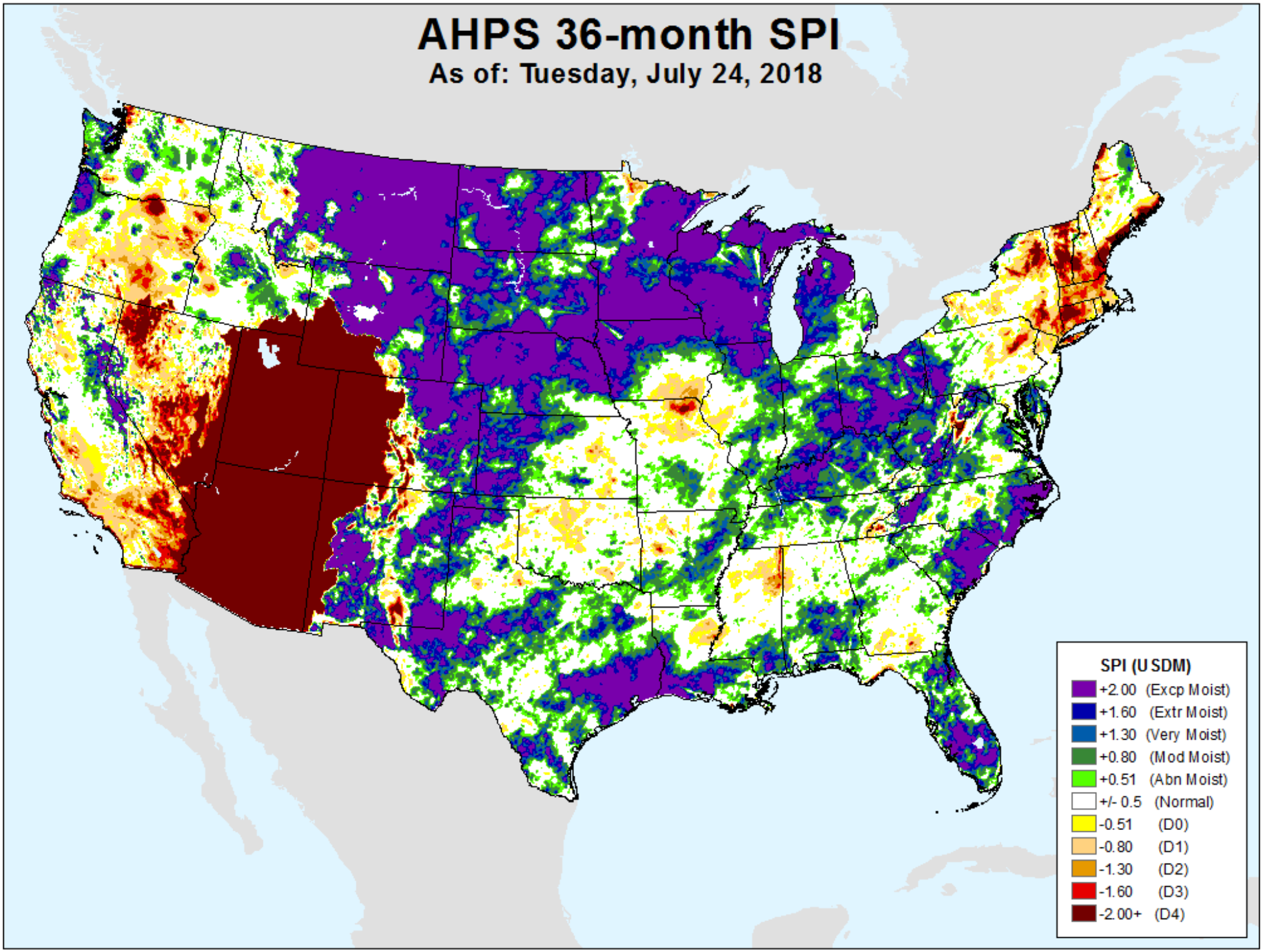
As of: Tuesday, July 24, 2018



USDM for: Jul. 17, 2018

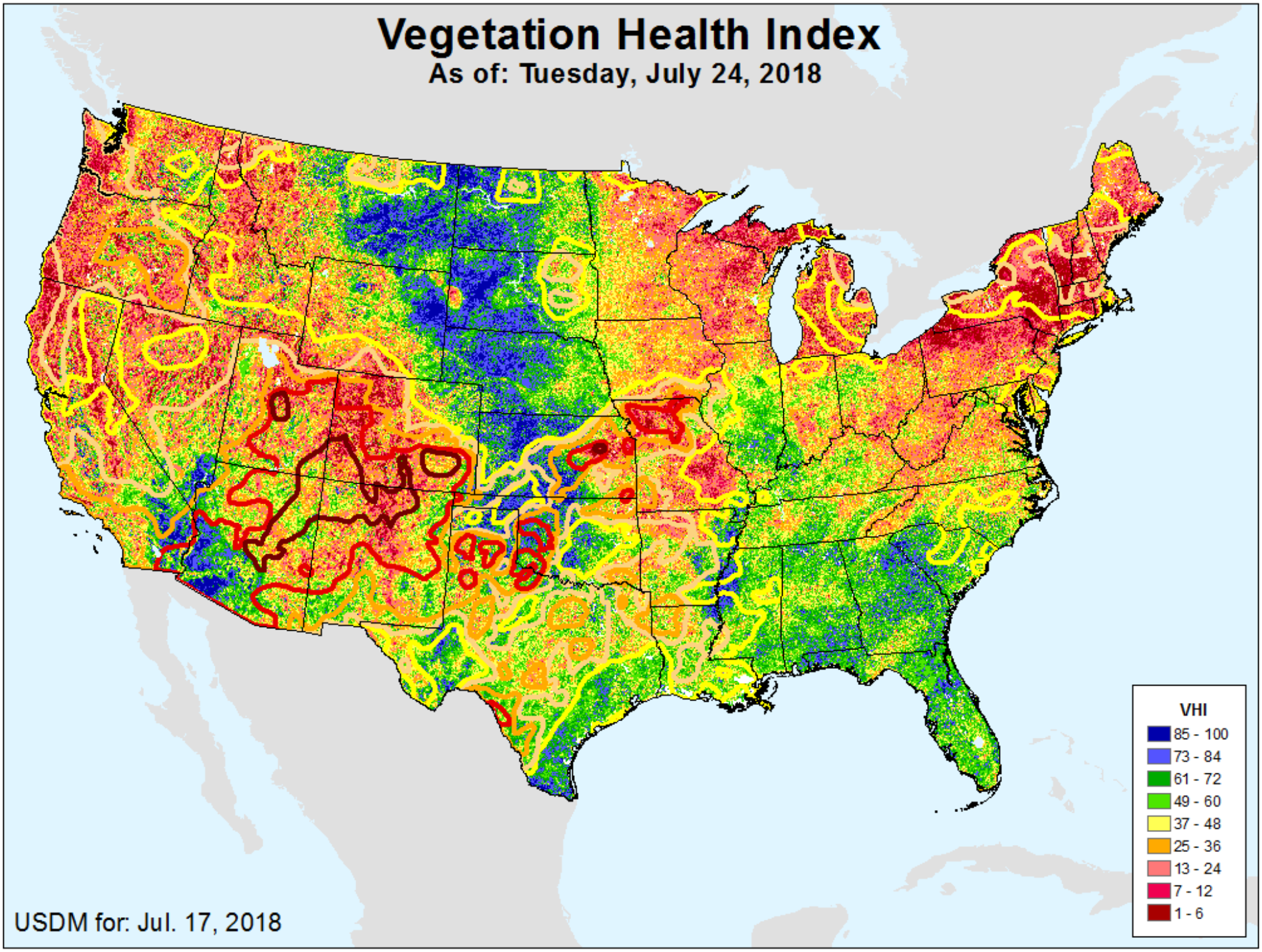
AHPS 36-month SPI

As of: Tuesday, July 24, 2018



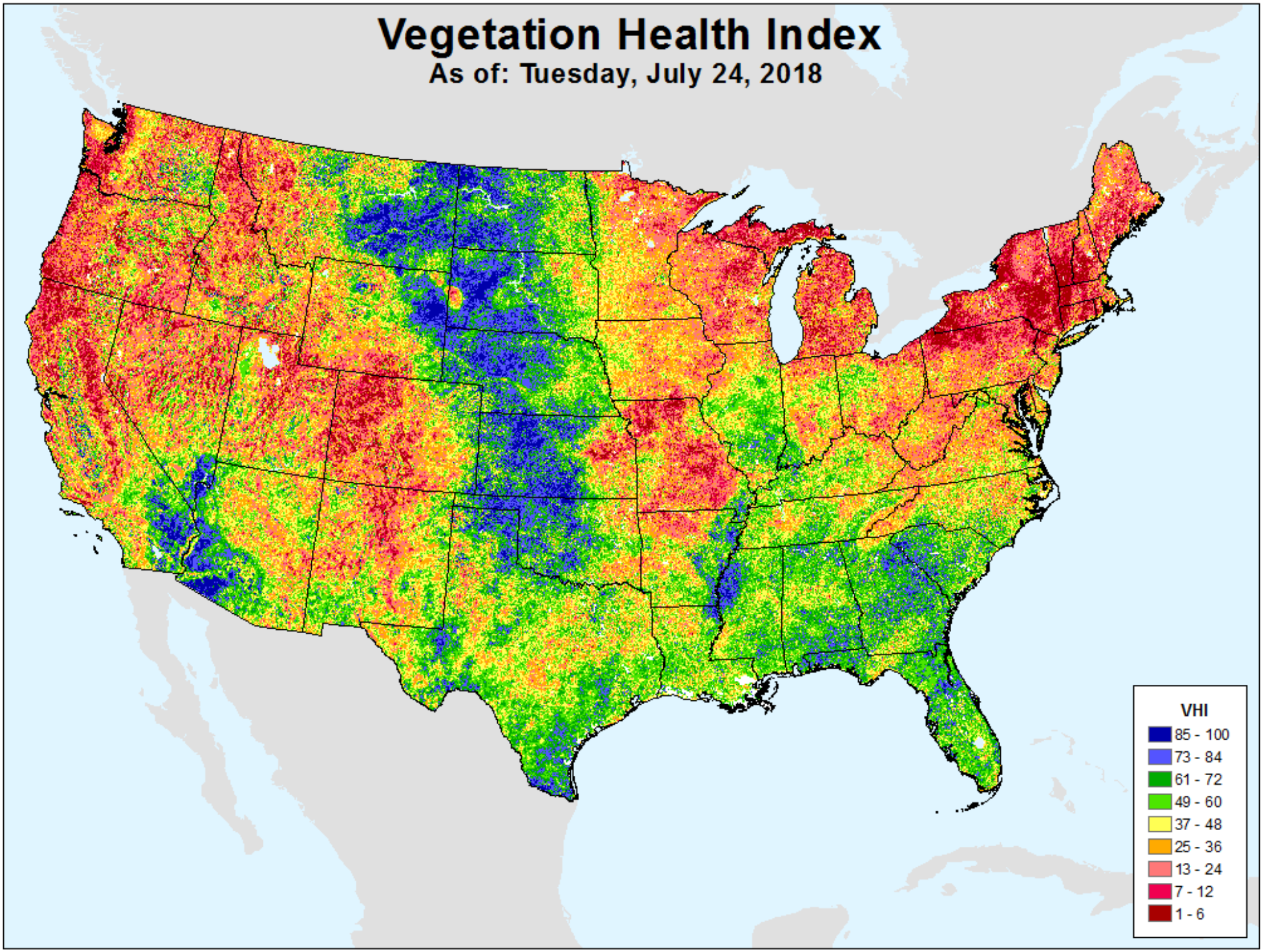
Vegetation Health Index

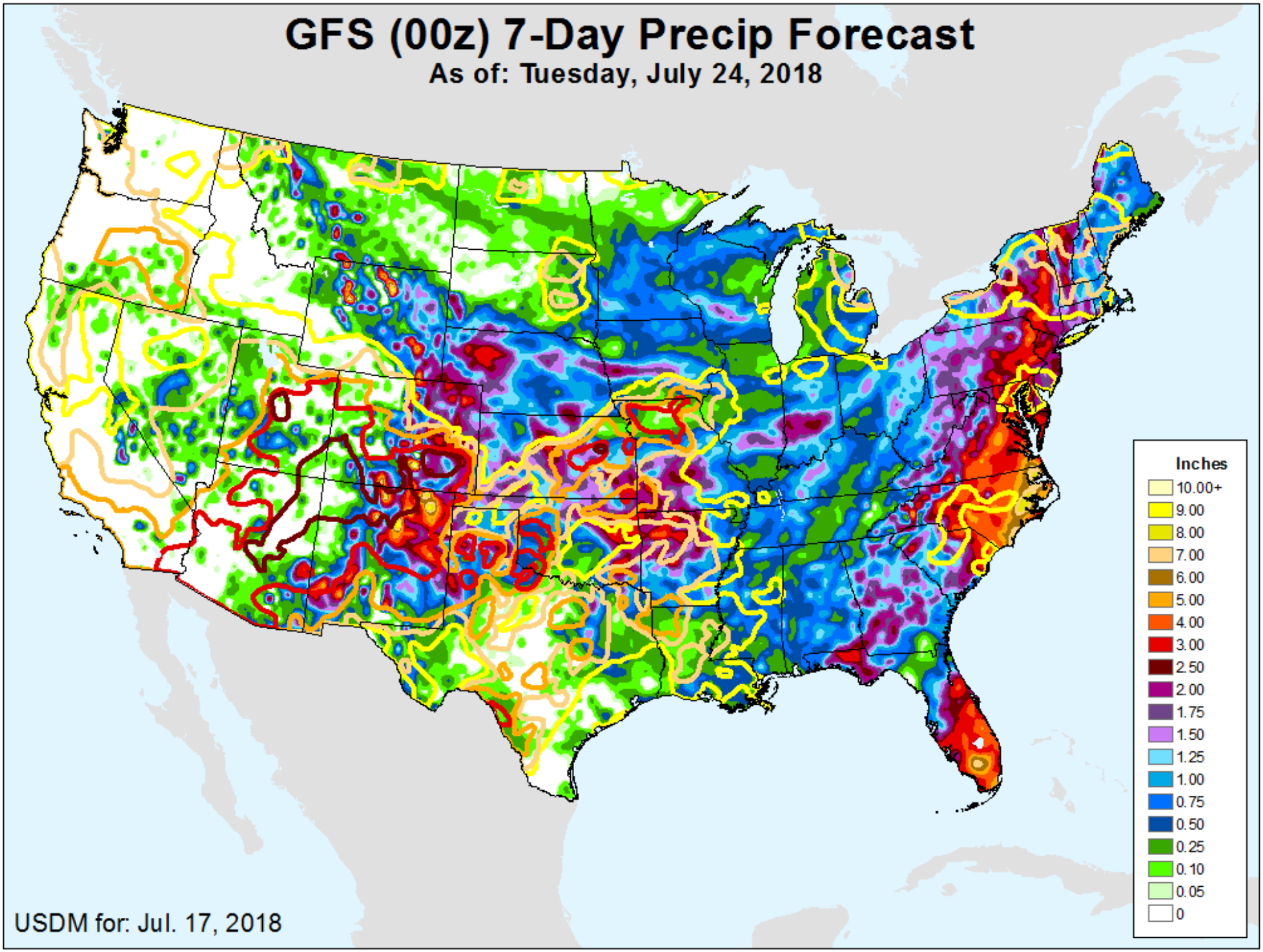
As of: Tuesday, July 24, 2018



Vegetation Health Index

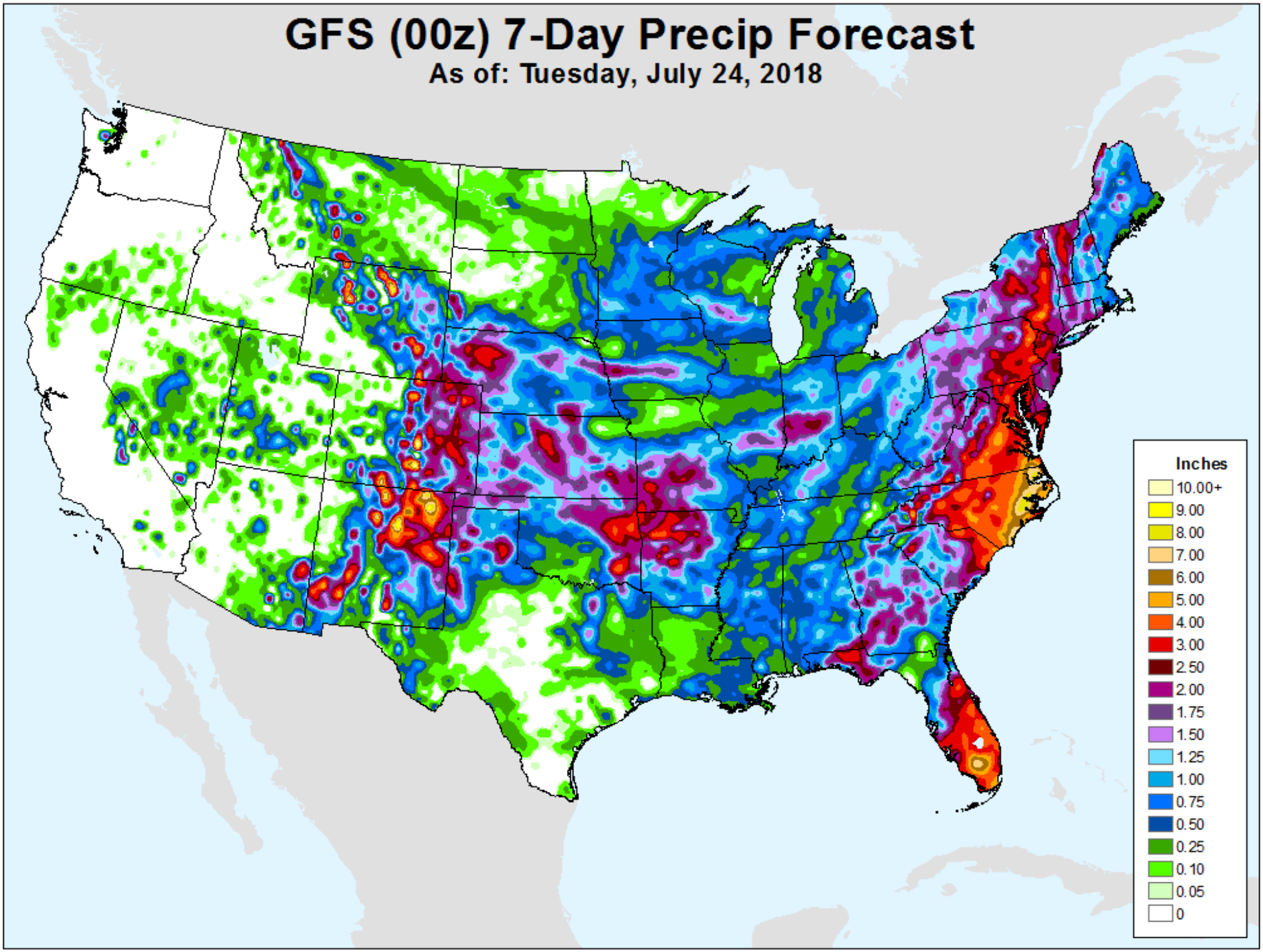
As of: Tuesday, July 24, 2018




GFS (00z) 7-Day Precip Forecast
As of: Tuesday, July 24, 2018
Inches
10.00+
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.50
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.10
0.05
0
USDM for: Jul. 17, 2018

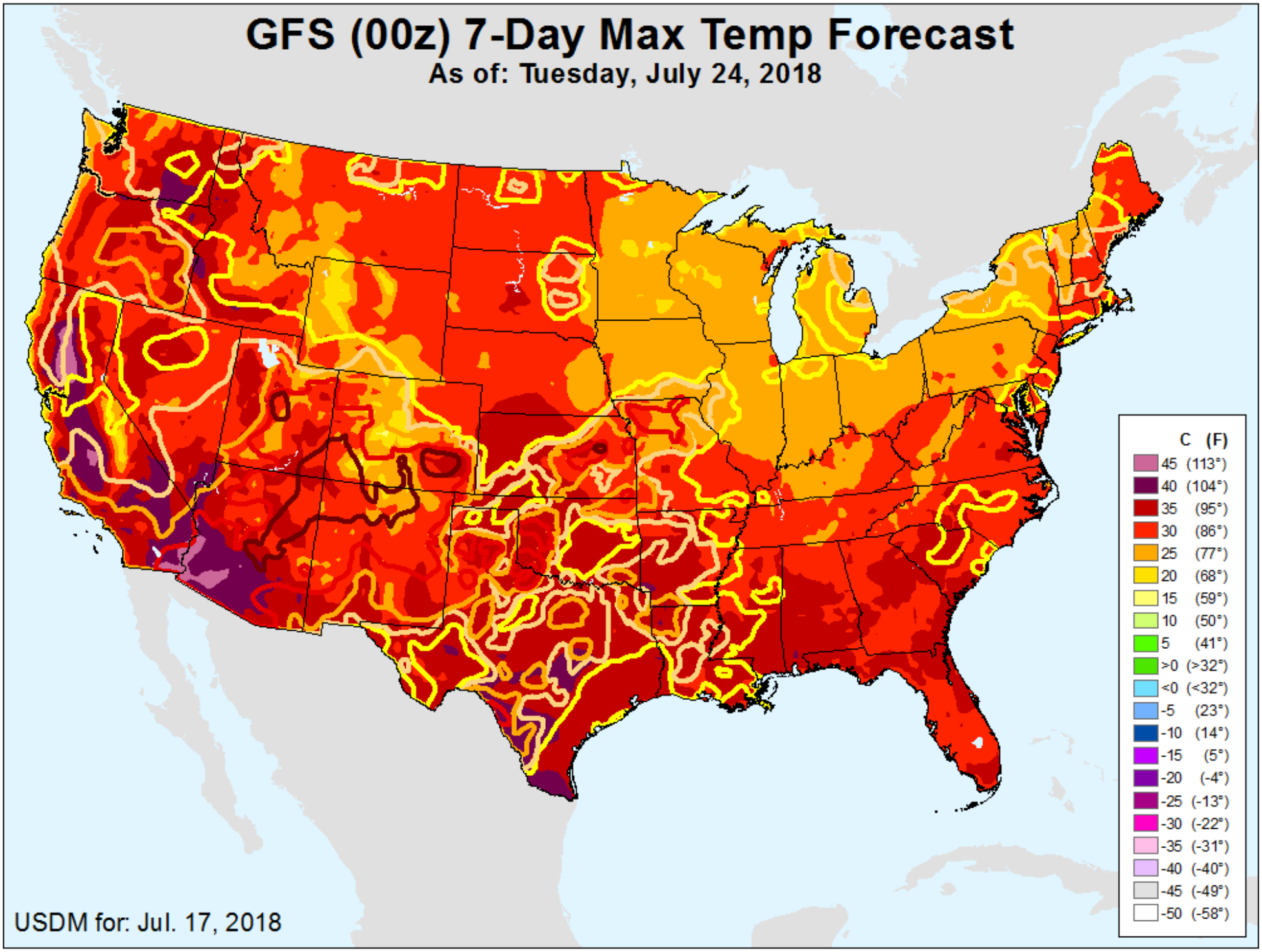
GFS (00z) 7-Day Precip Forecast

As of: Tuesday, July 24, 2018



GFS (00z) 7-Day Max Temp Forecast

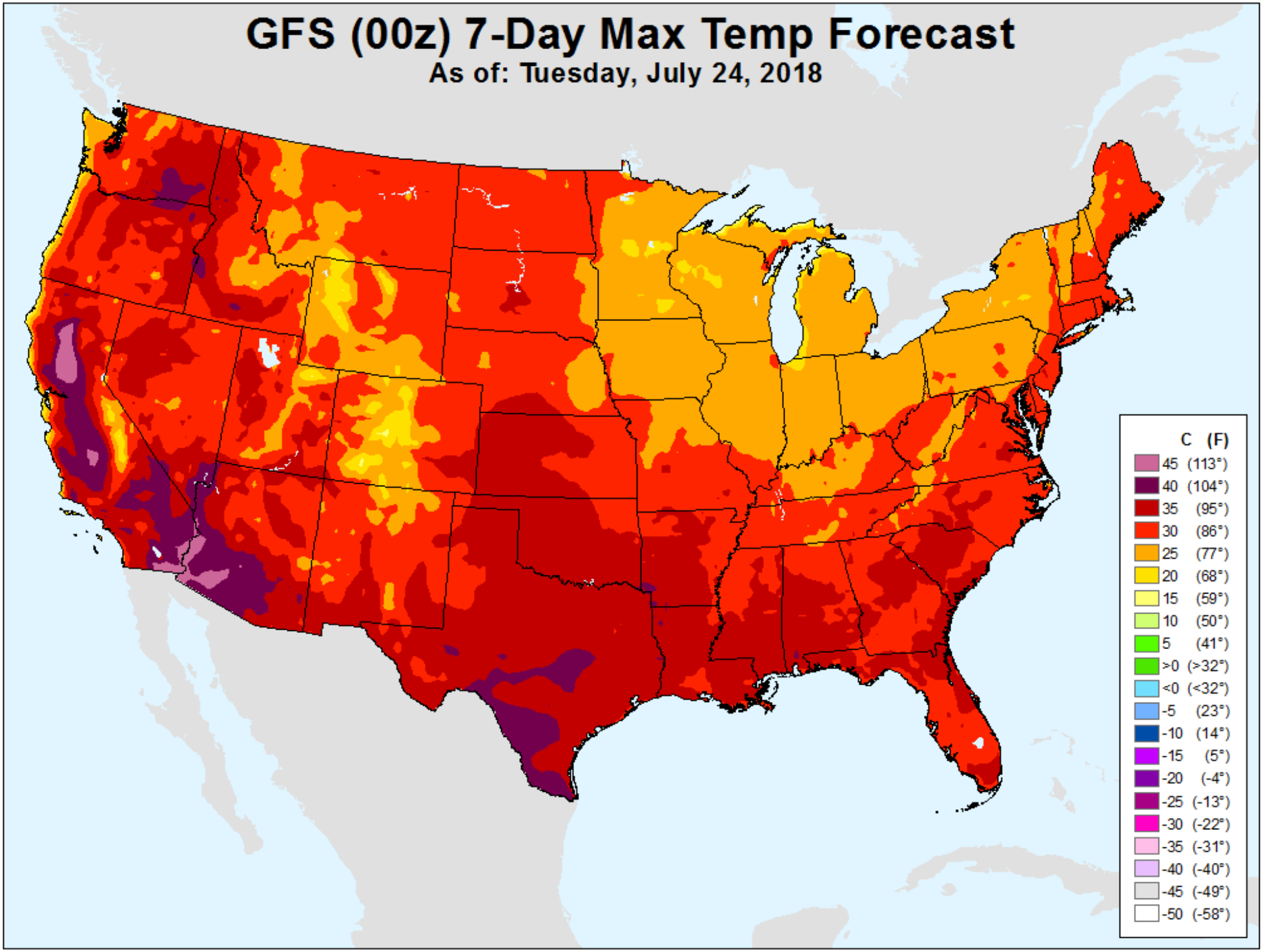
As of: Tuesday, July 24, 2018



USDM for: Jul. 17, 2018

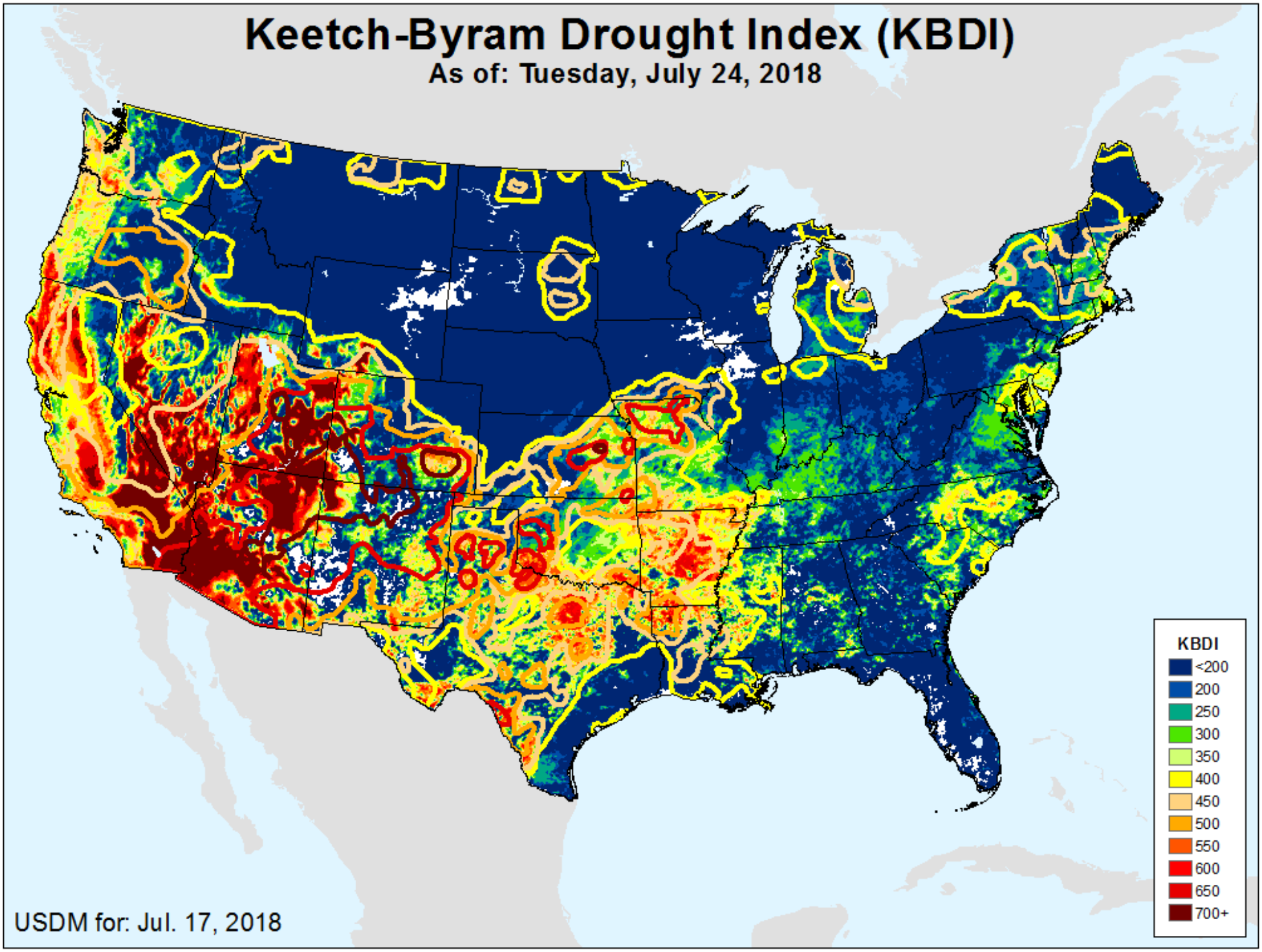
GFS (00z) 7-Day Max Temp Forecast

As of: Tuesday, July 24, 2018



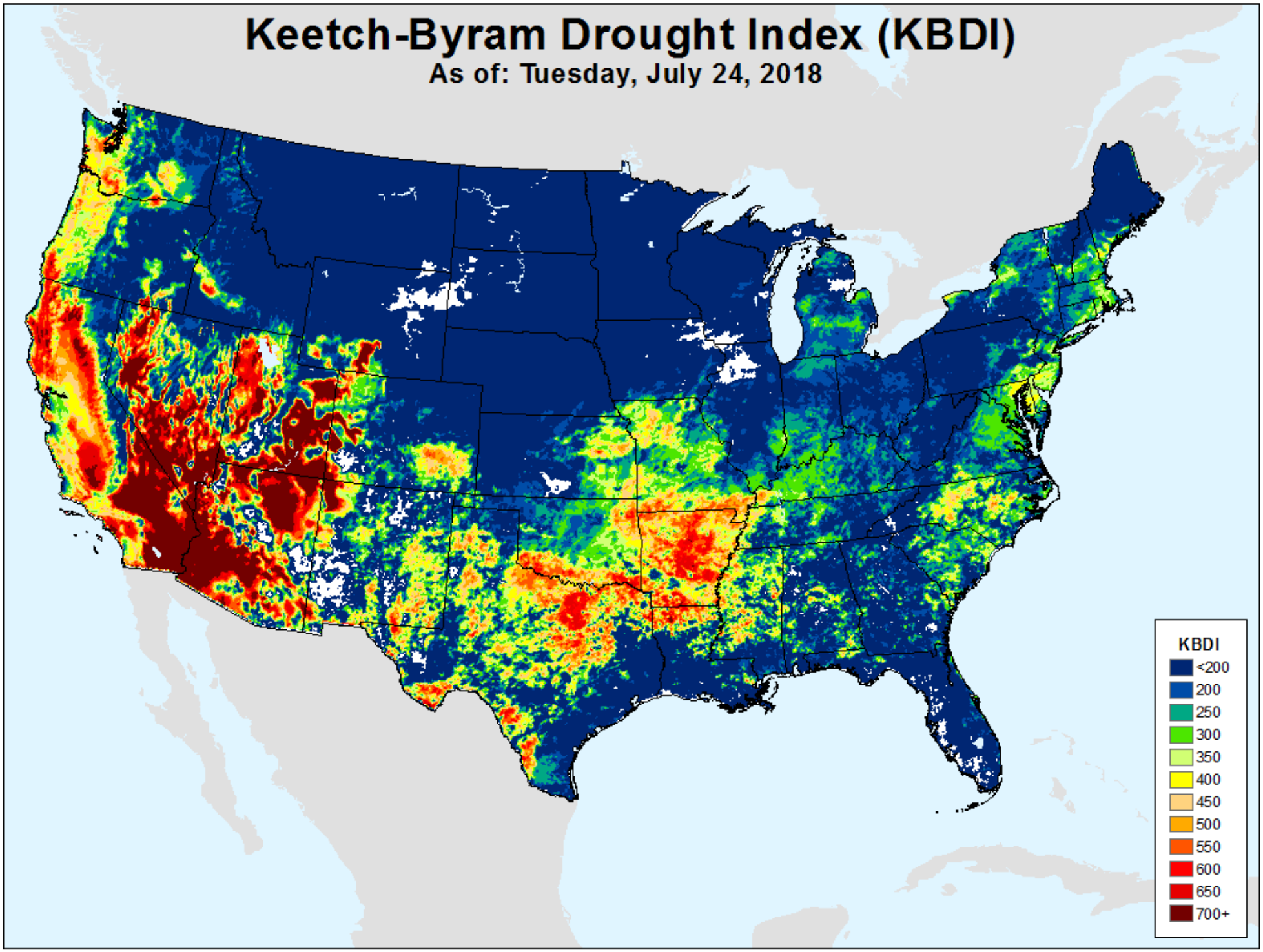
Keetch-Byram Drought Index (KBDI)

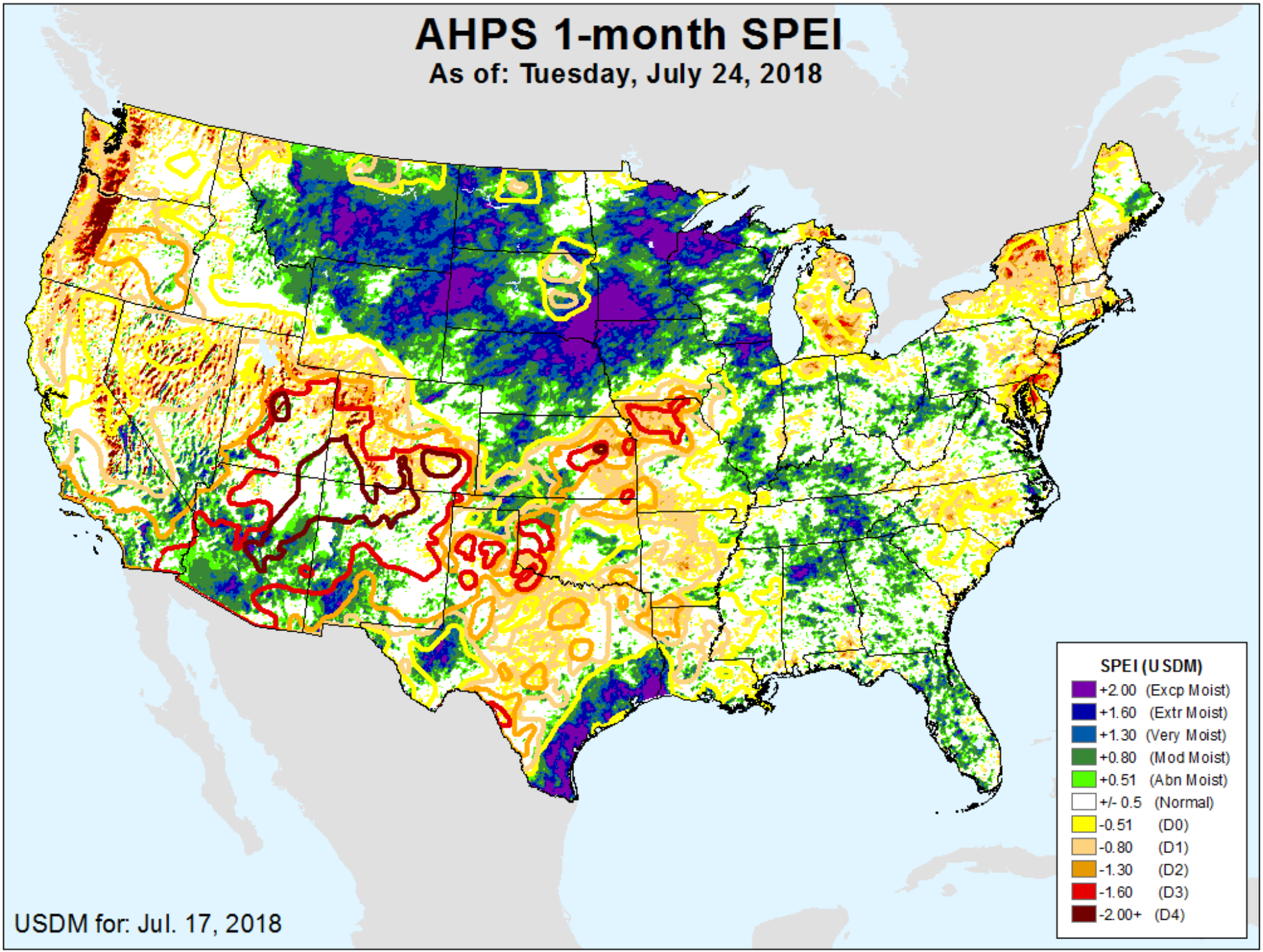
As of: Tuesday, July 24, 2018



Keetch-Byram Drought Index (KBDI)

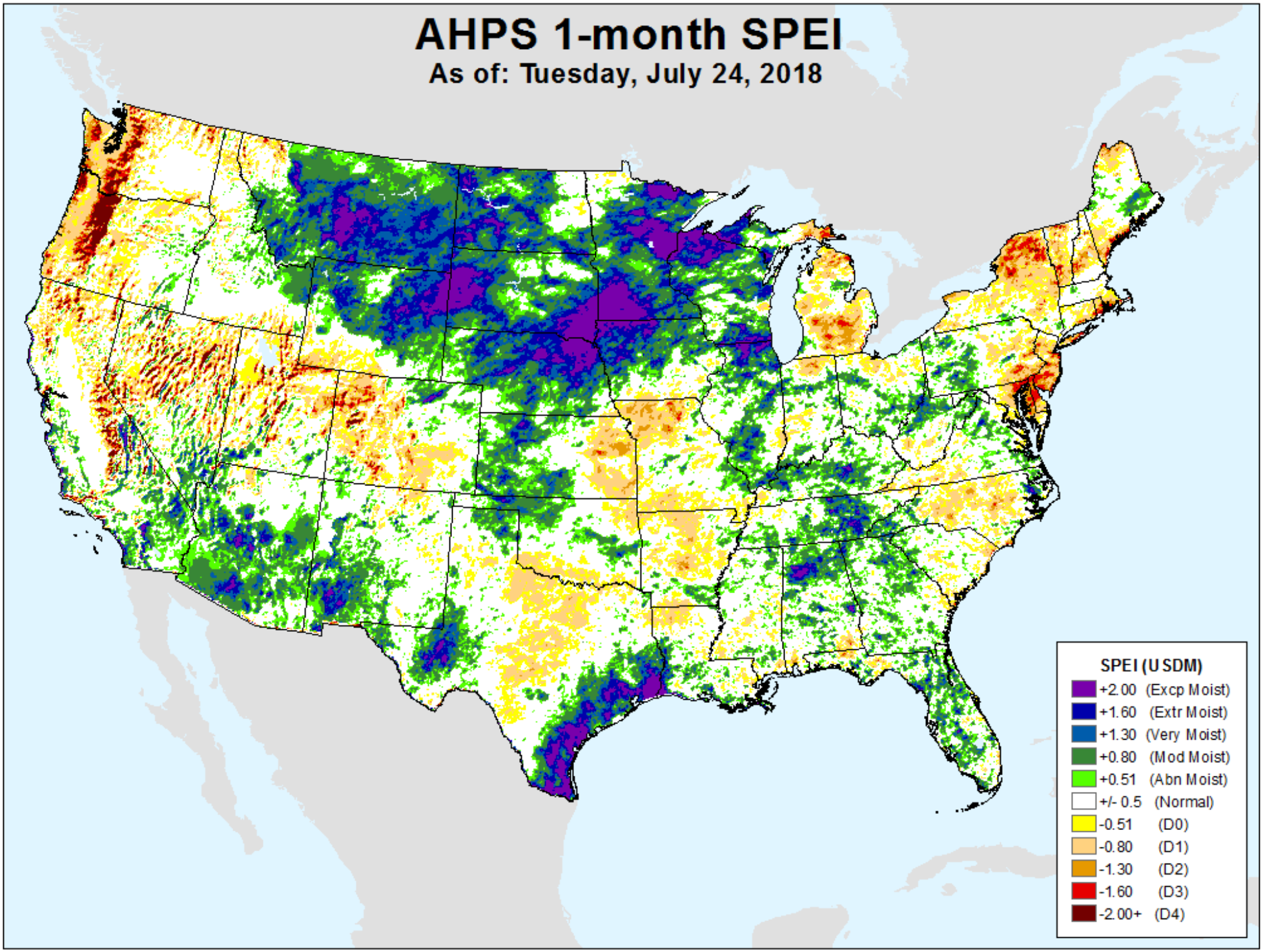
As of: Tuesday, July 24, 2018




AHPS 1-month SPEI
As of: Tuesday, July 24, 2018
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. 17, 2018

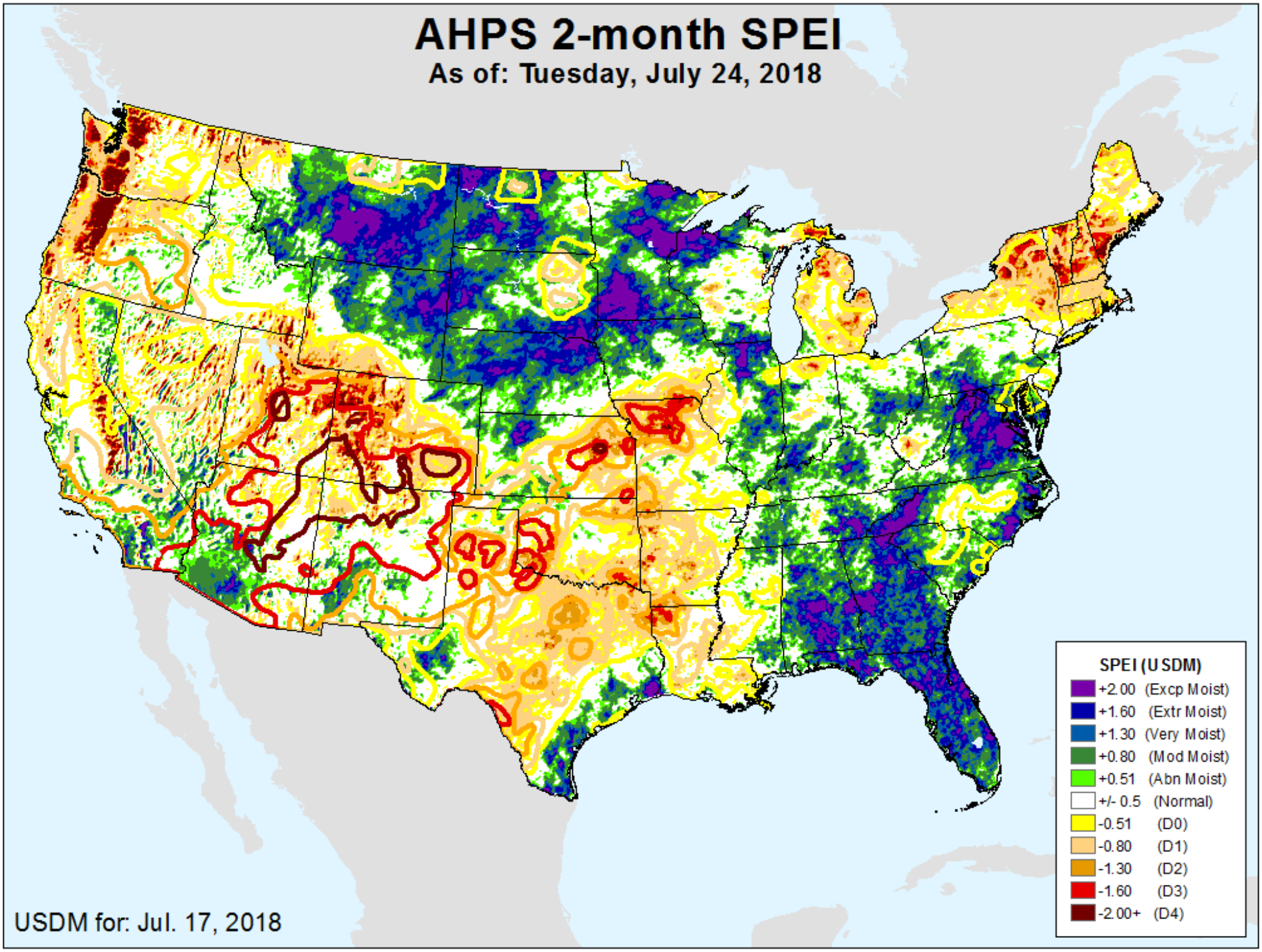
AHPS 1-month SPEI

As of: Tuesday, July 24, 2018



AHPS 2-month SPEI

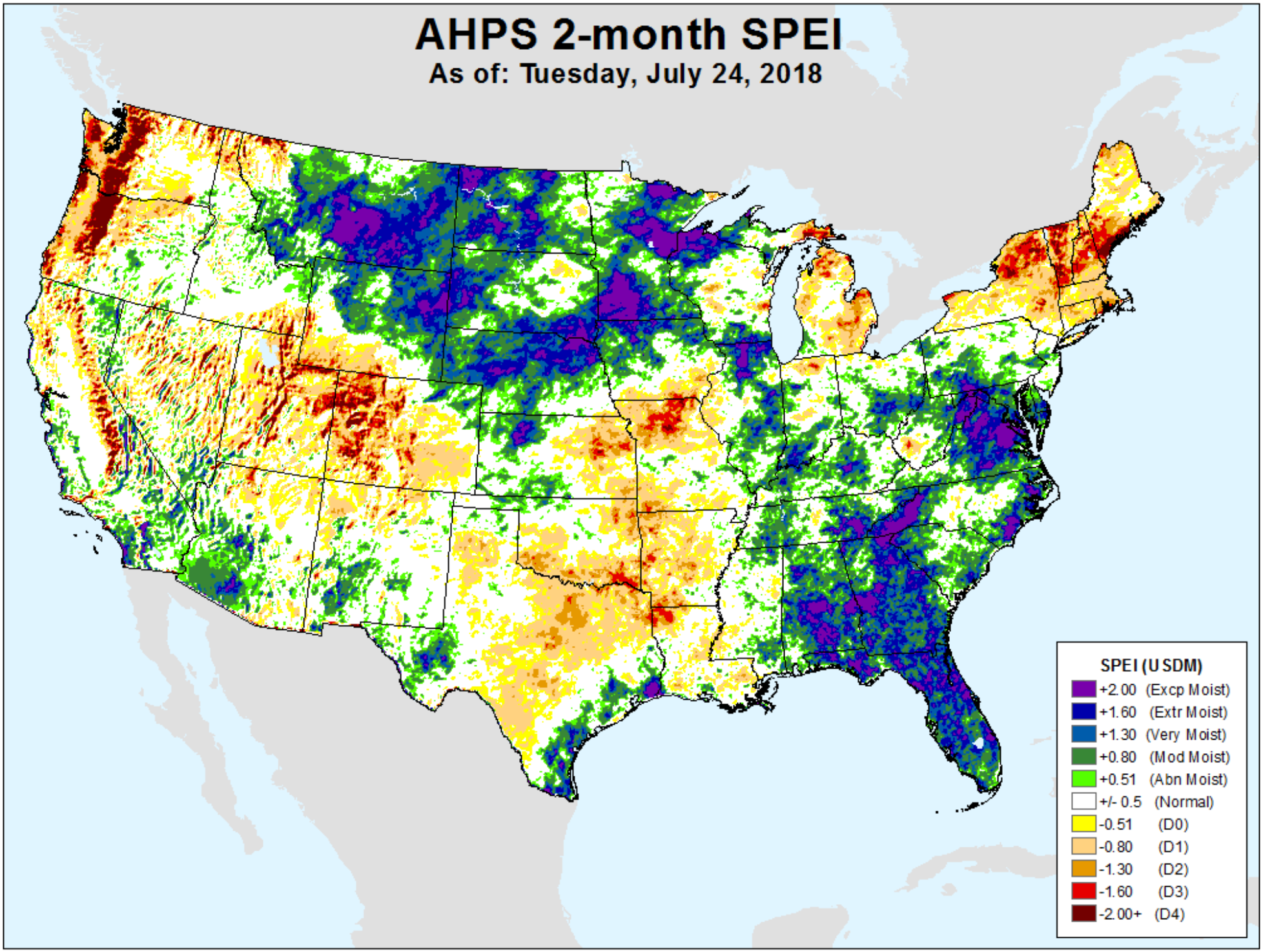
As of: Tuesday, July 24, 2018

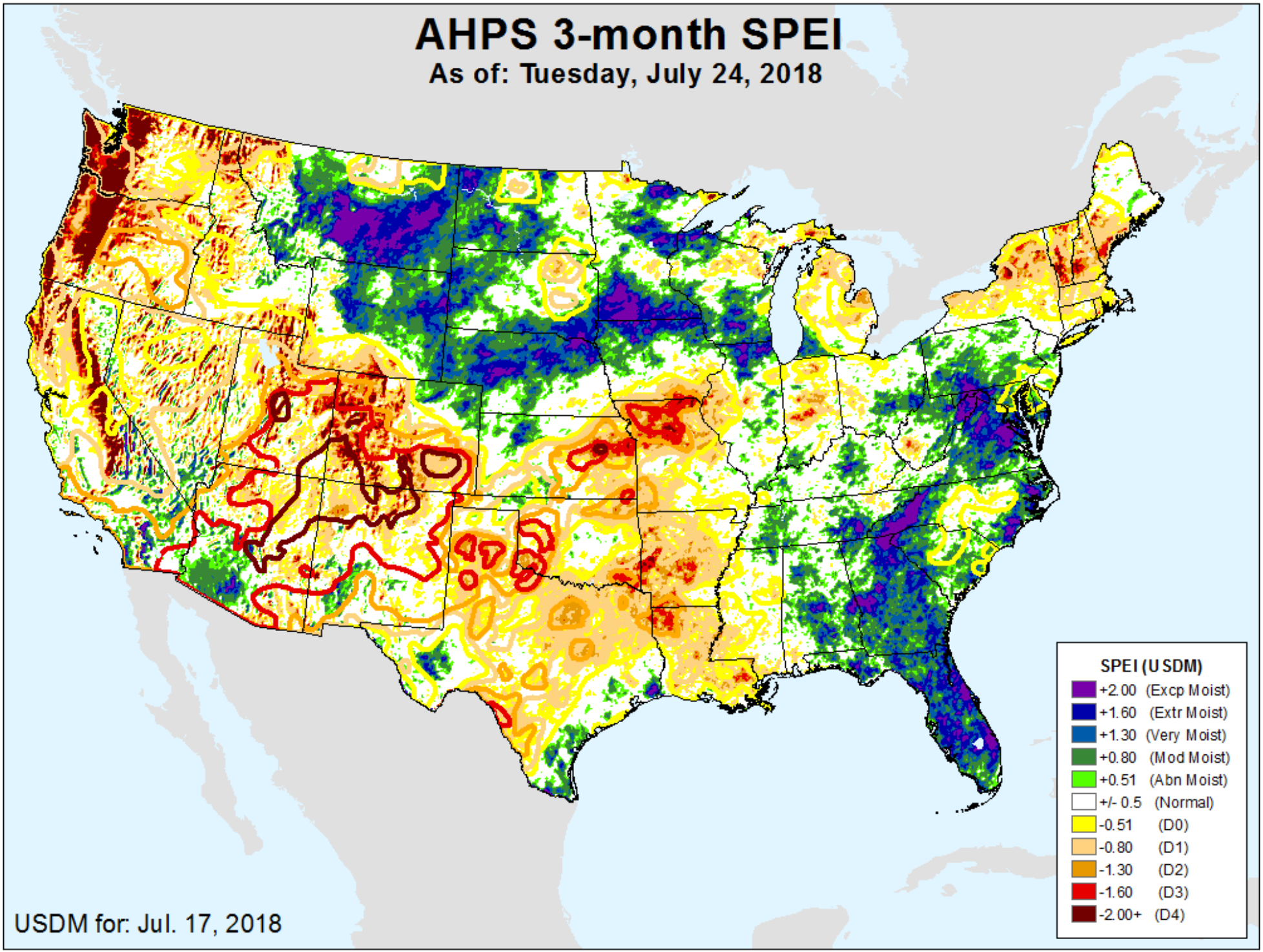


USDM for: Jul. 17, 2018

AHPS 2-month SPEI

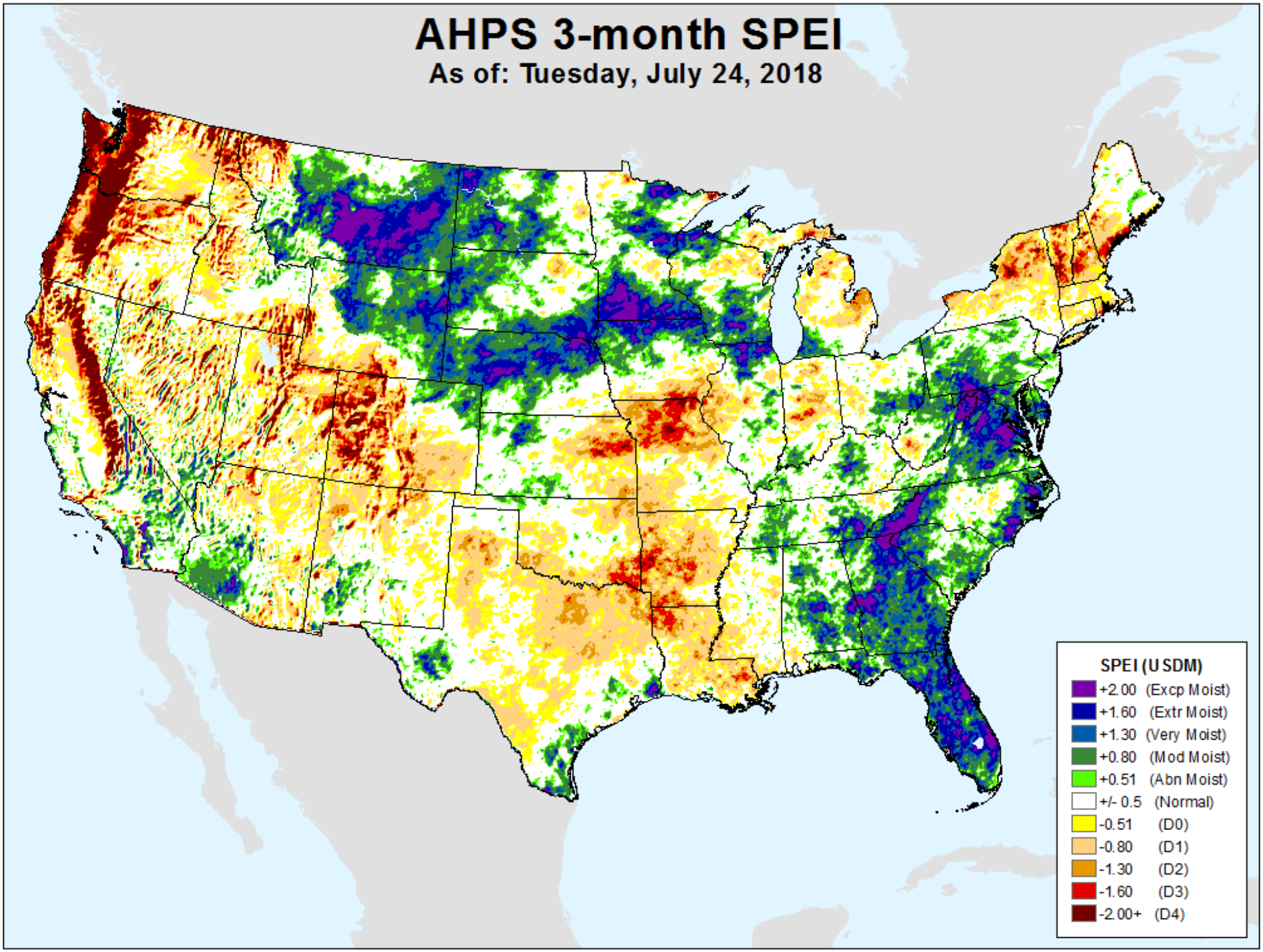
As of: Tuesday, July 24, 2018




AHPS 3-month SPEI
As of: Tuesday, July 24, 2018
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. 17, 2018

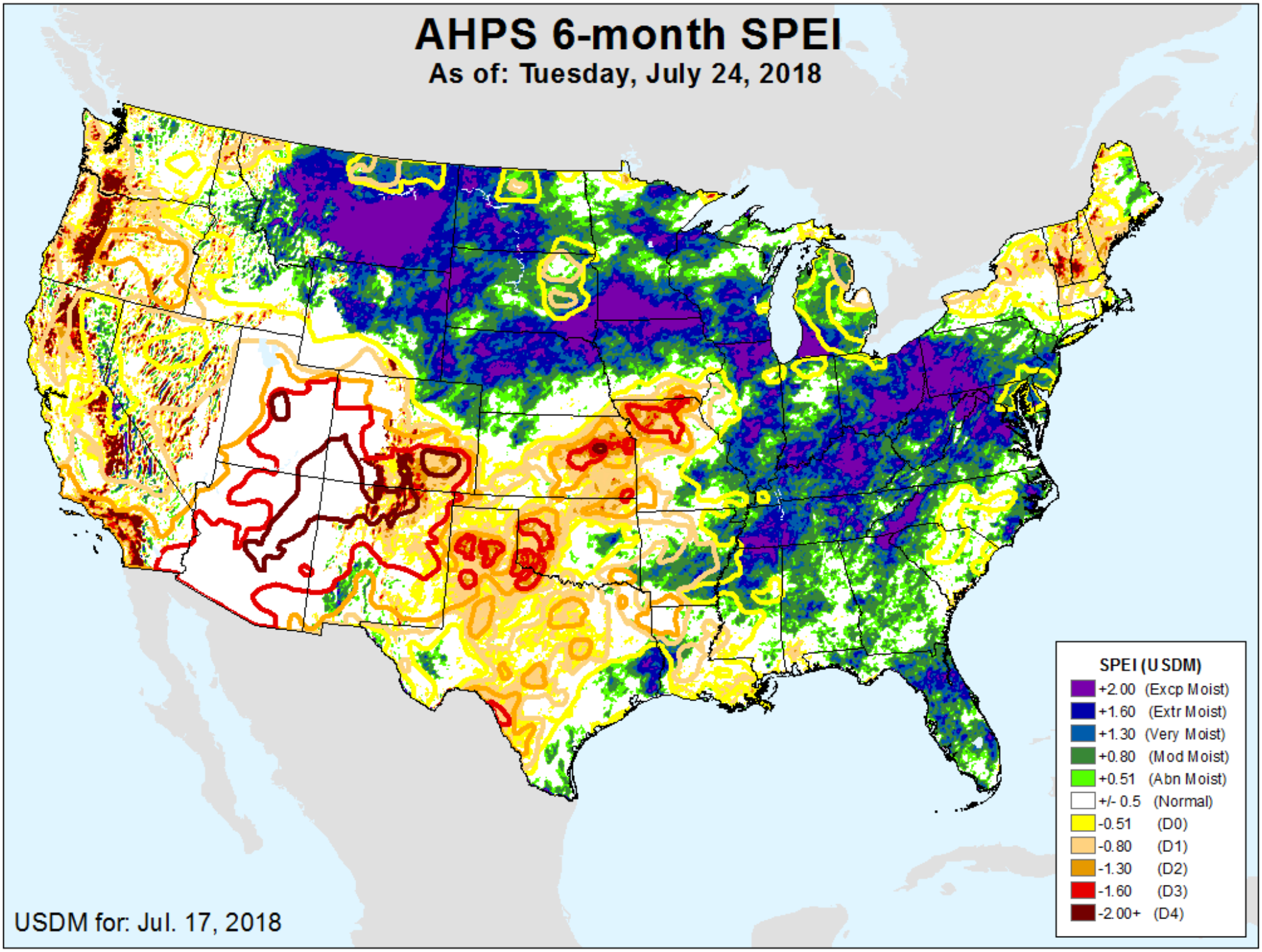
AHPS 3-month SPEI

As of: Tuesday, July 24, 2018



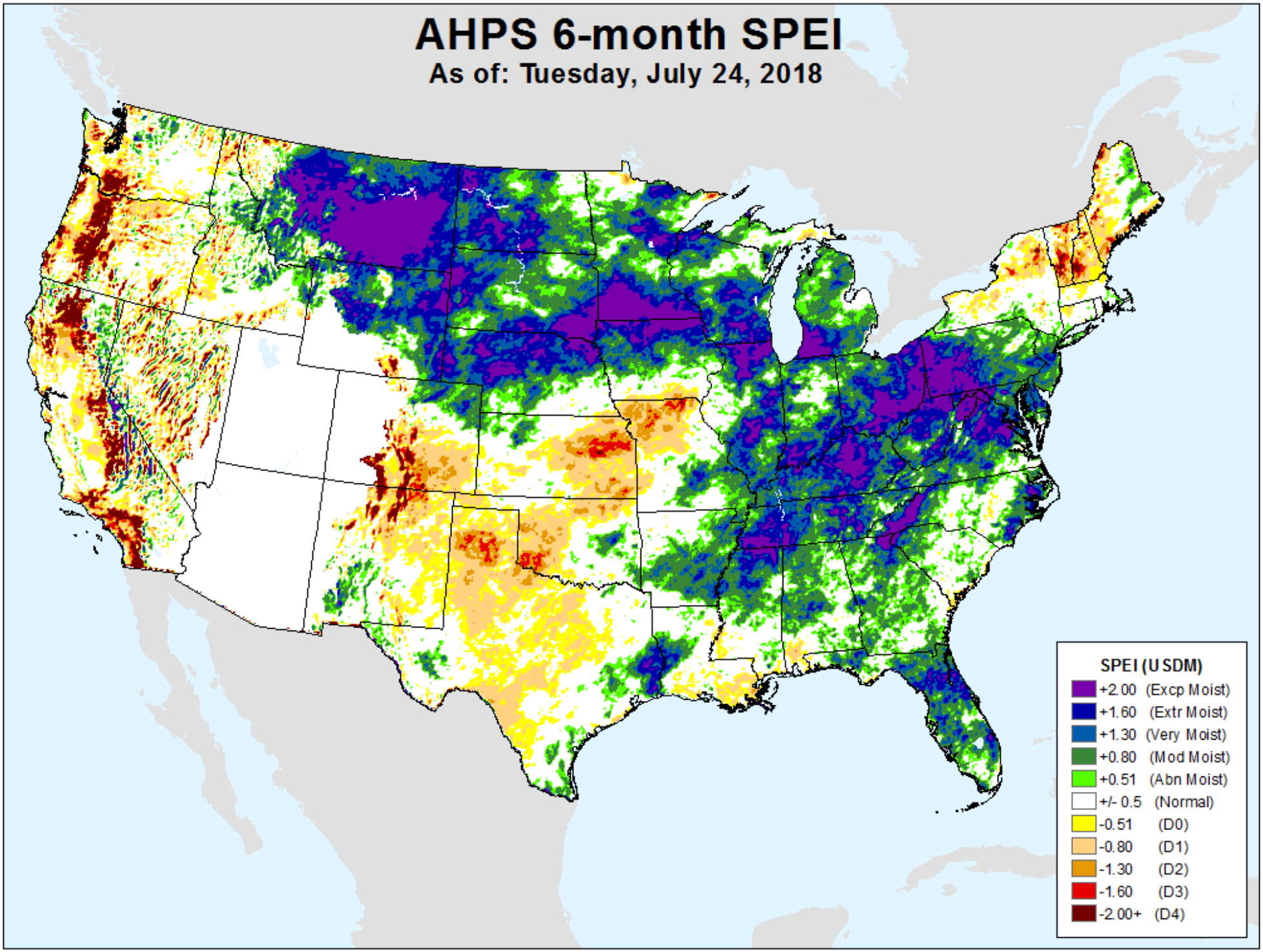
AHPS 6-month SPEI

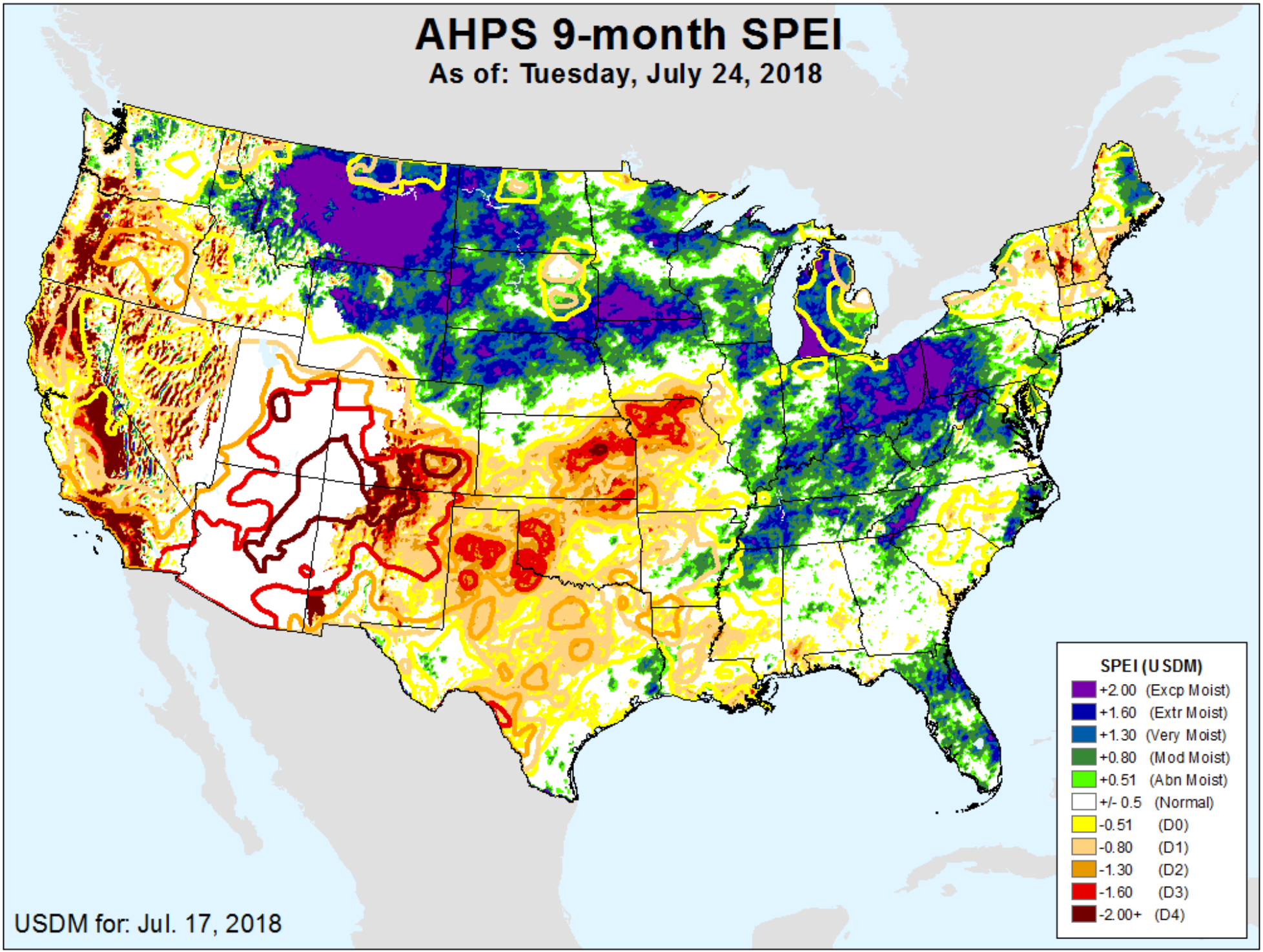
As of: Tuesday, July 24, 2018



AHPS 6-month SPEI

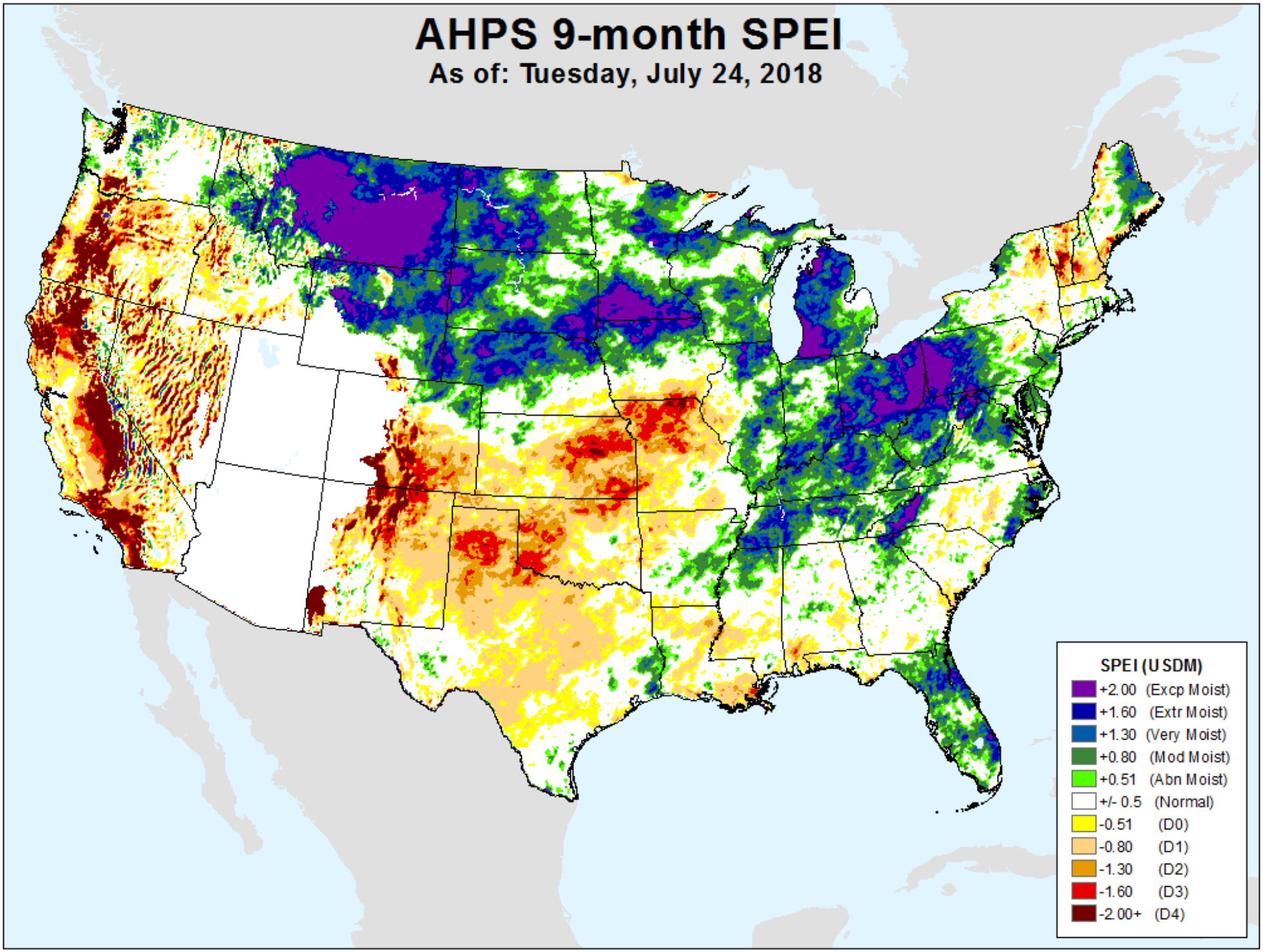
As of: Tuesday, July 24, 2018




AHPS 9-month SPEI
As of: Tuesday, July 24, 2018
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. 17, 2018

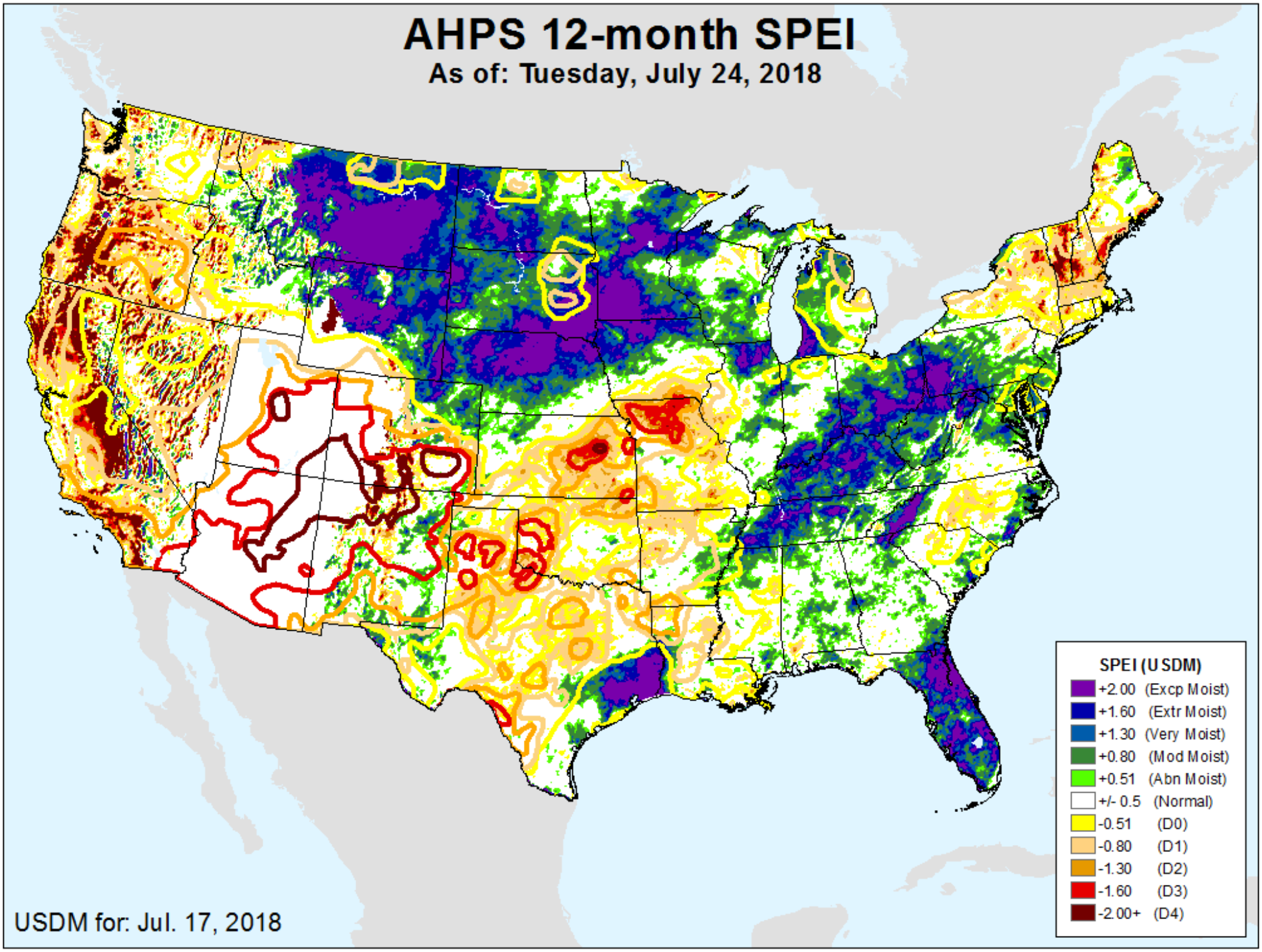
AHPS 9-month SPEI

As of: Tuesday, July 24, 2018



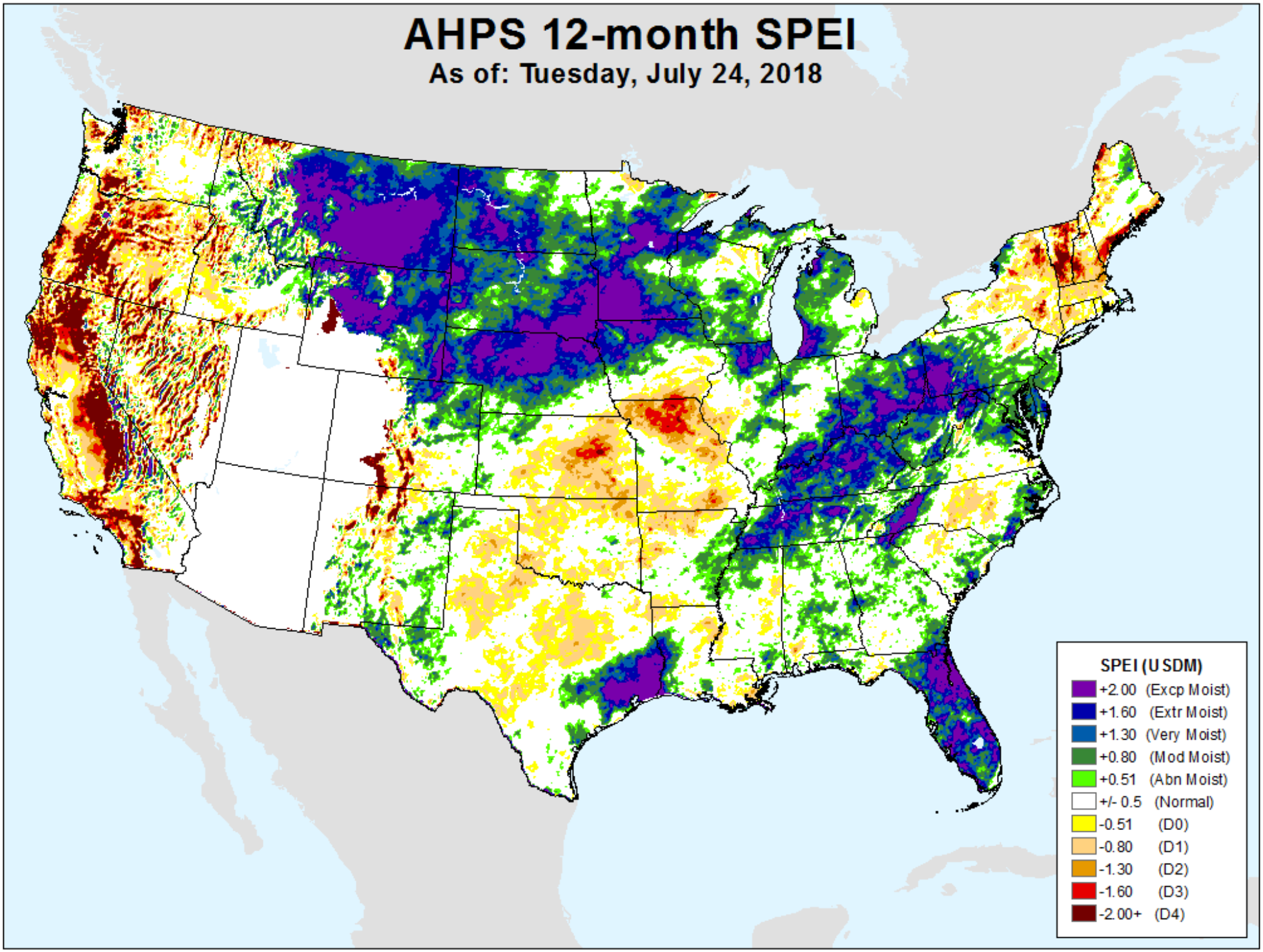
AHPS 12-month SPEI

As of: Tuesday, July 24, 2018



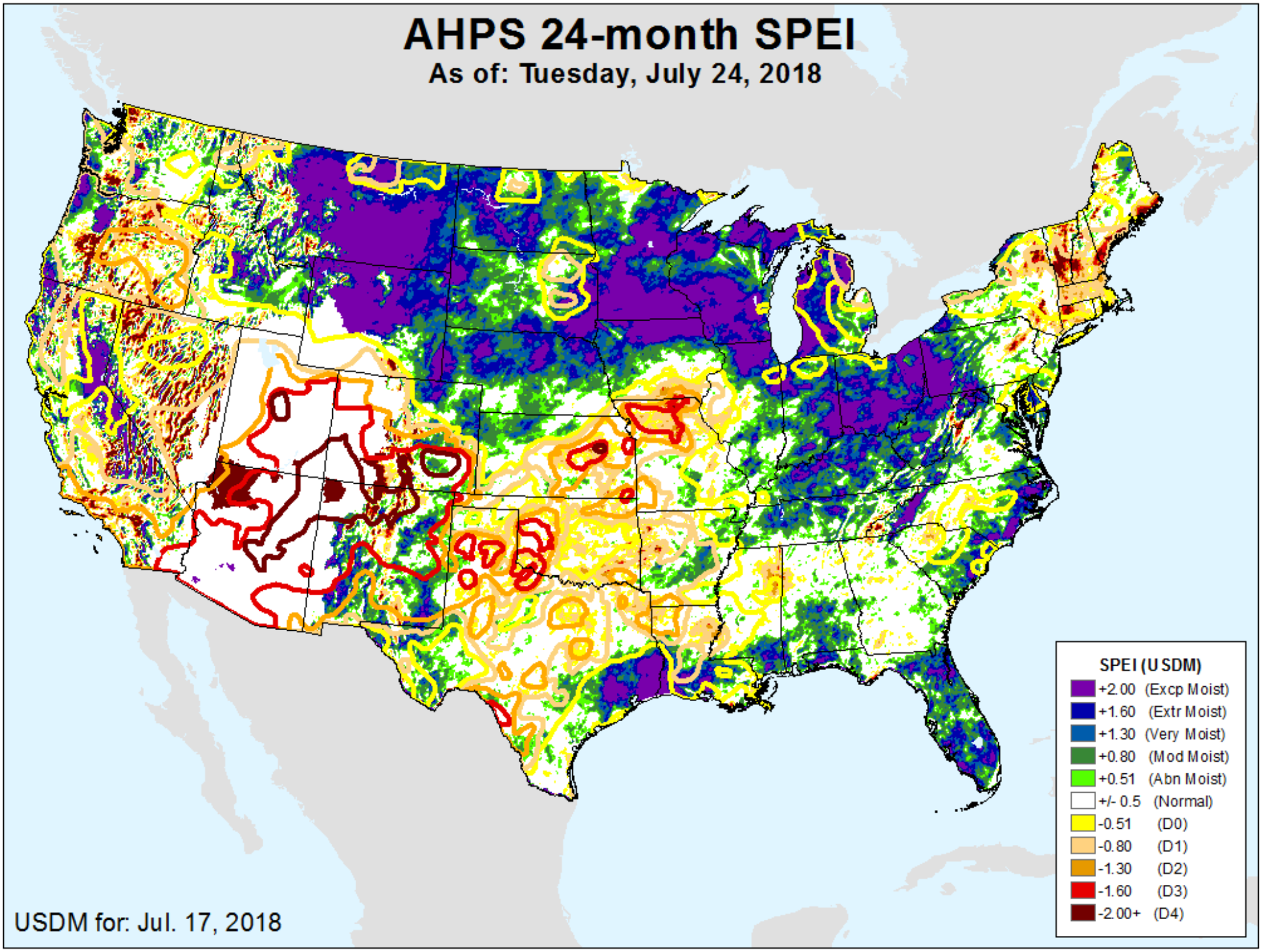
AHPS 12-month SPEI

As of: Tuesday, July 24, 2018



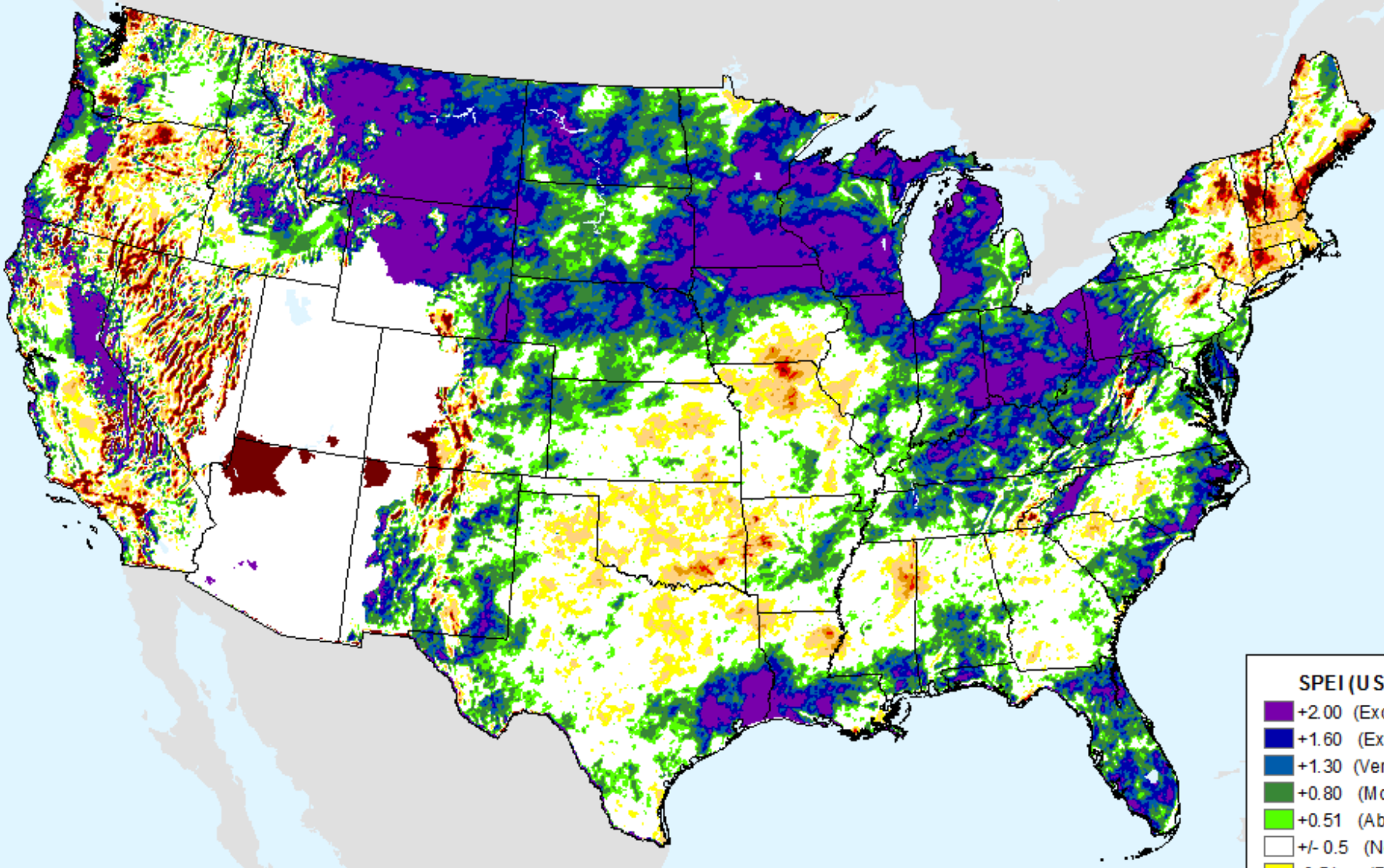
AHPS 24-month SPEI

As of: Tuesday, July 24, 2018



AHPS 24-month SPEI

As of: Tuesday, July 24, 2018

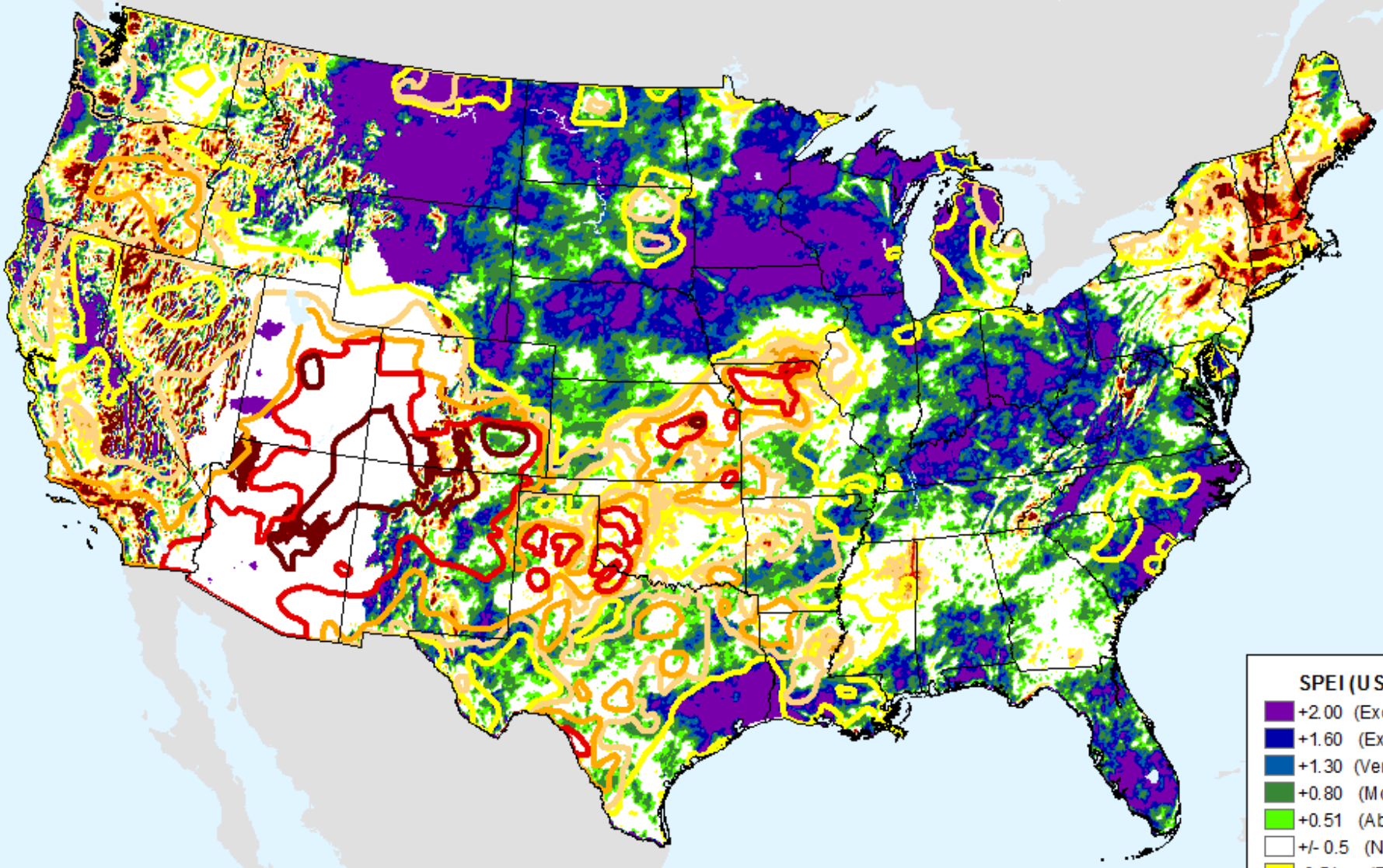


SPEI (USDM)

+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)

AHPS 36-month SPEI

As of: Tuesday, July 24, 2018



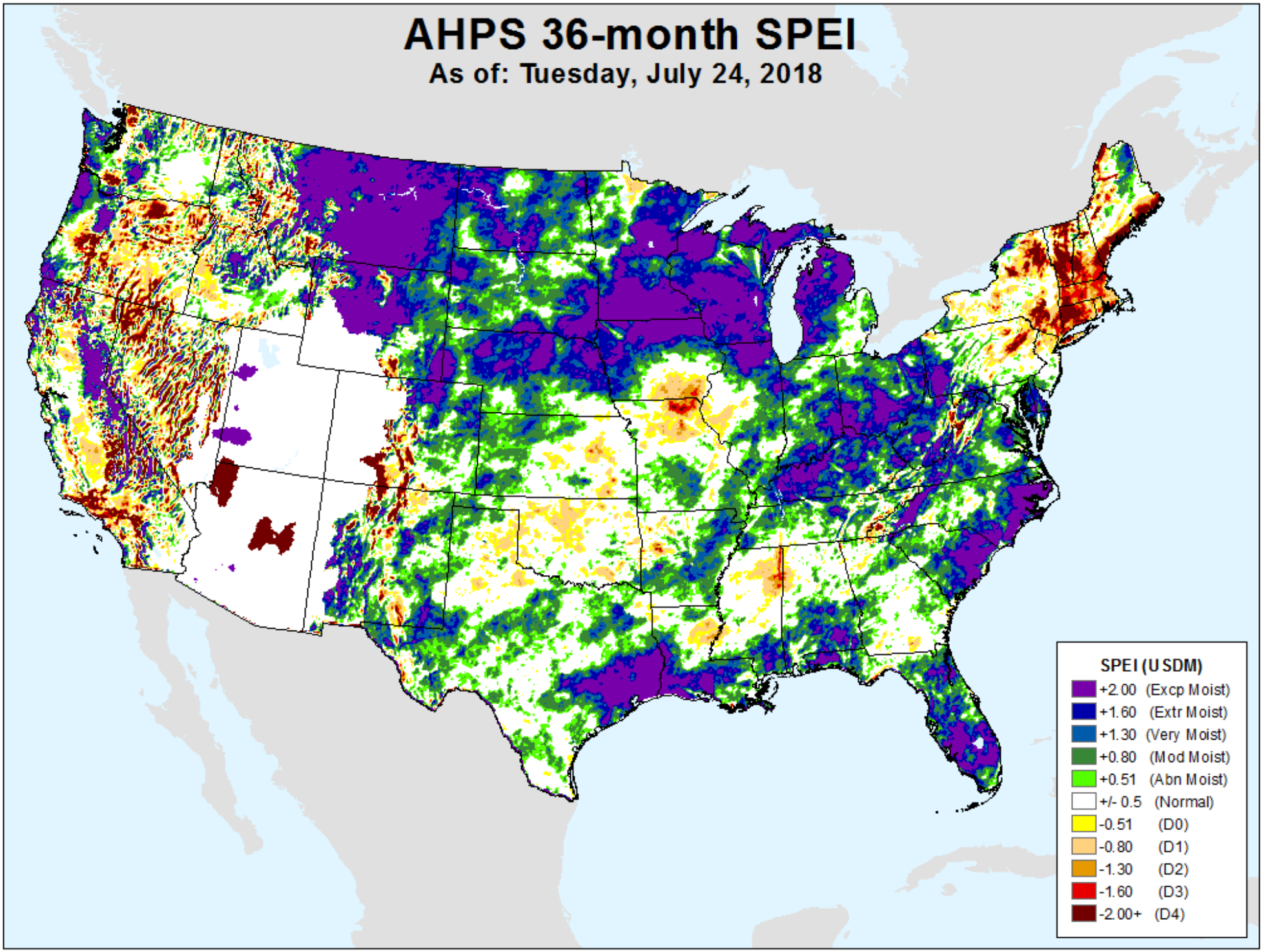
SPEI (USDM)

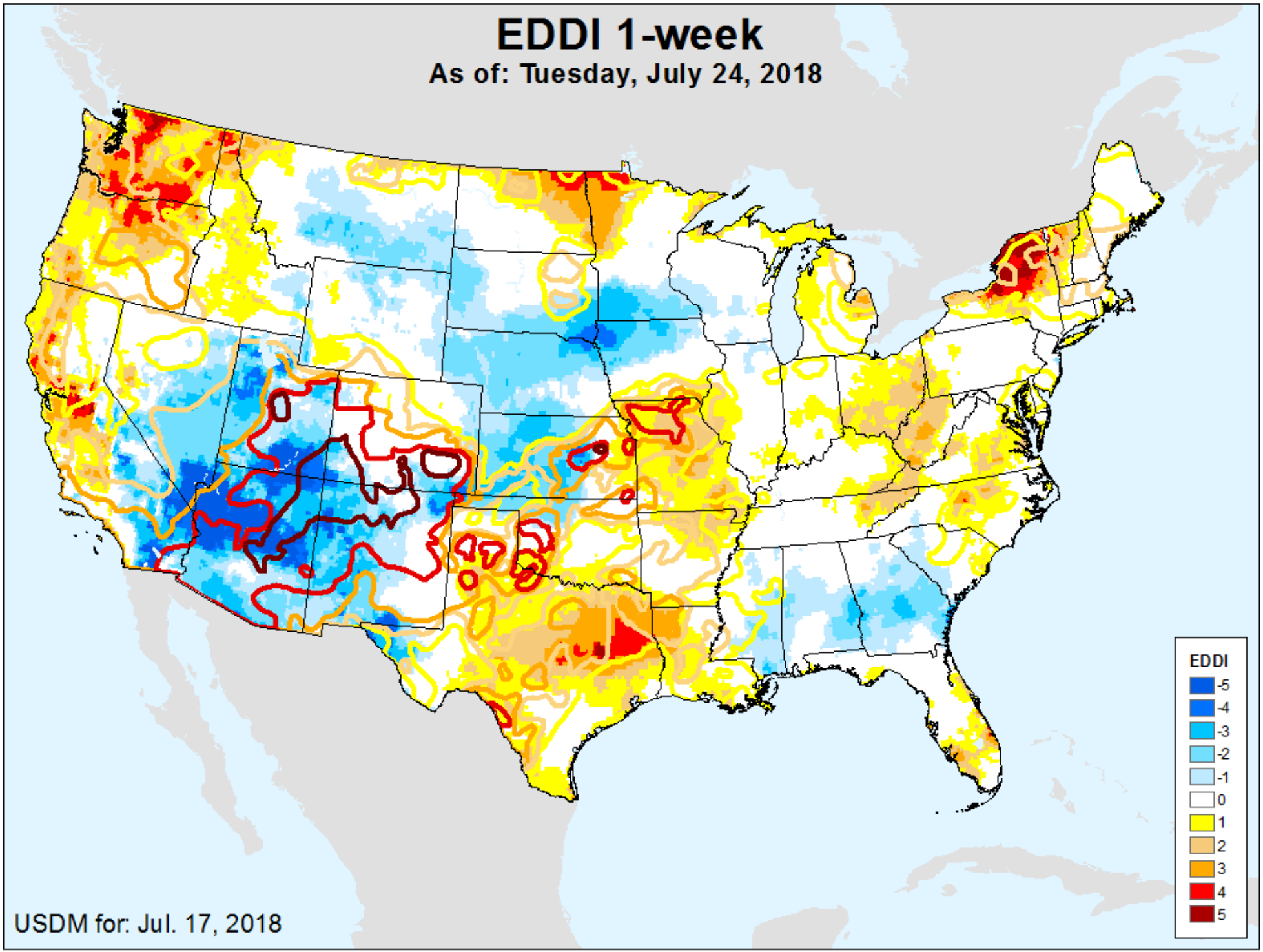
+2.00	(Excp Moist)
+1.60	(Extr Moist)
+1.30	(Very Moist)
+0.80	(Mod Moist)
+0.51	(Abn Moist)
+/- 0.5	(Normal)
-0.51	(D0)
-0.80	(D1)
-1.30	(D2)
-1.60	(D3)
-2.00+	(D4)

USDM for: Jul. 17, 2018

AHPS 36-month SPEI

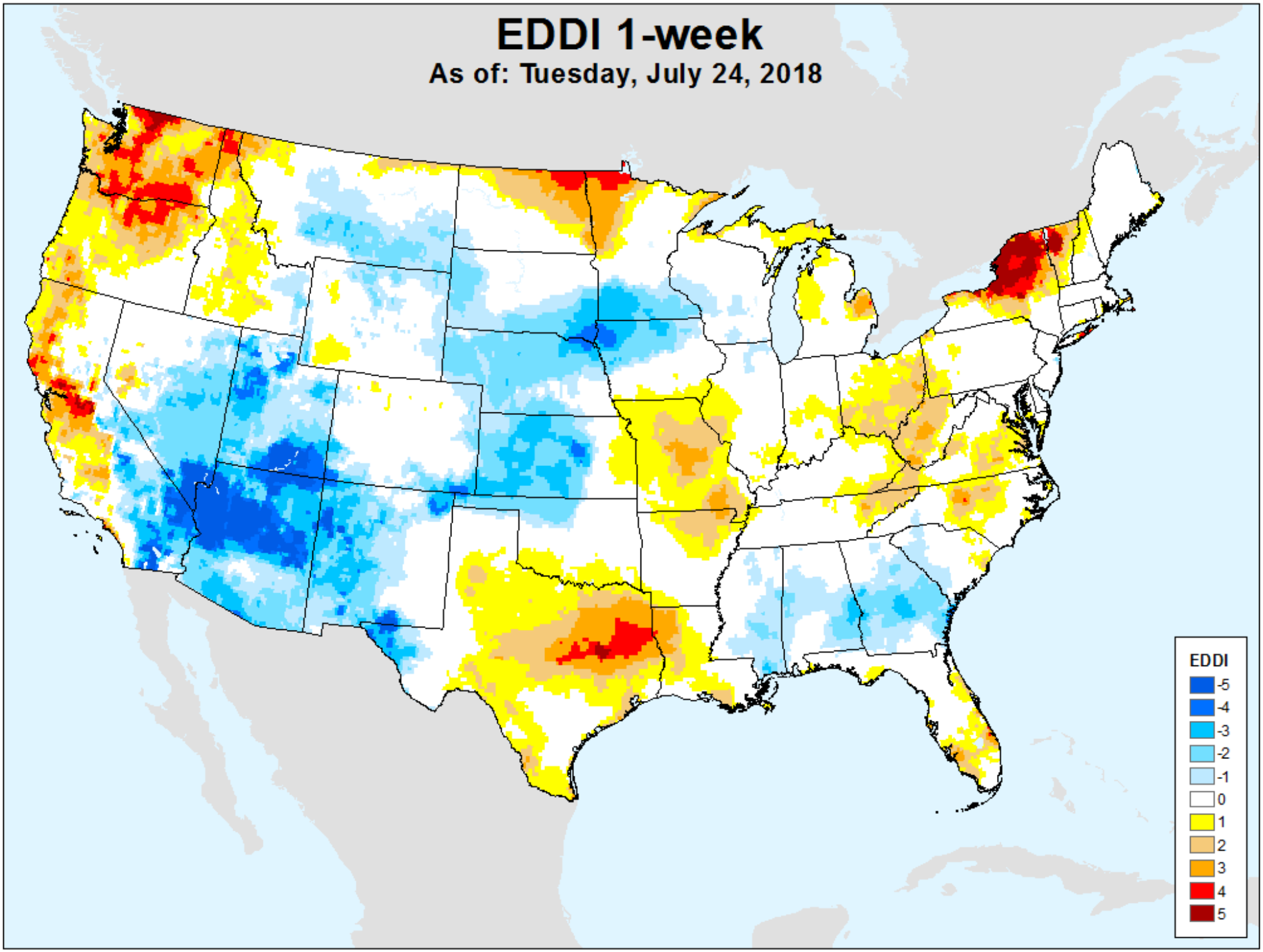
As of: Tuesday, July 24, 2018

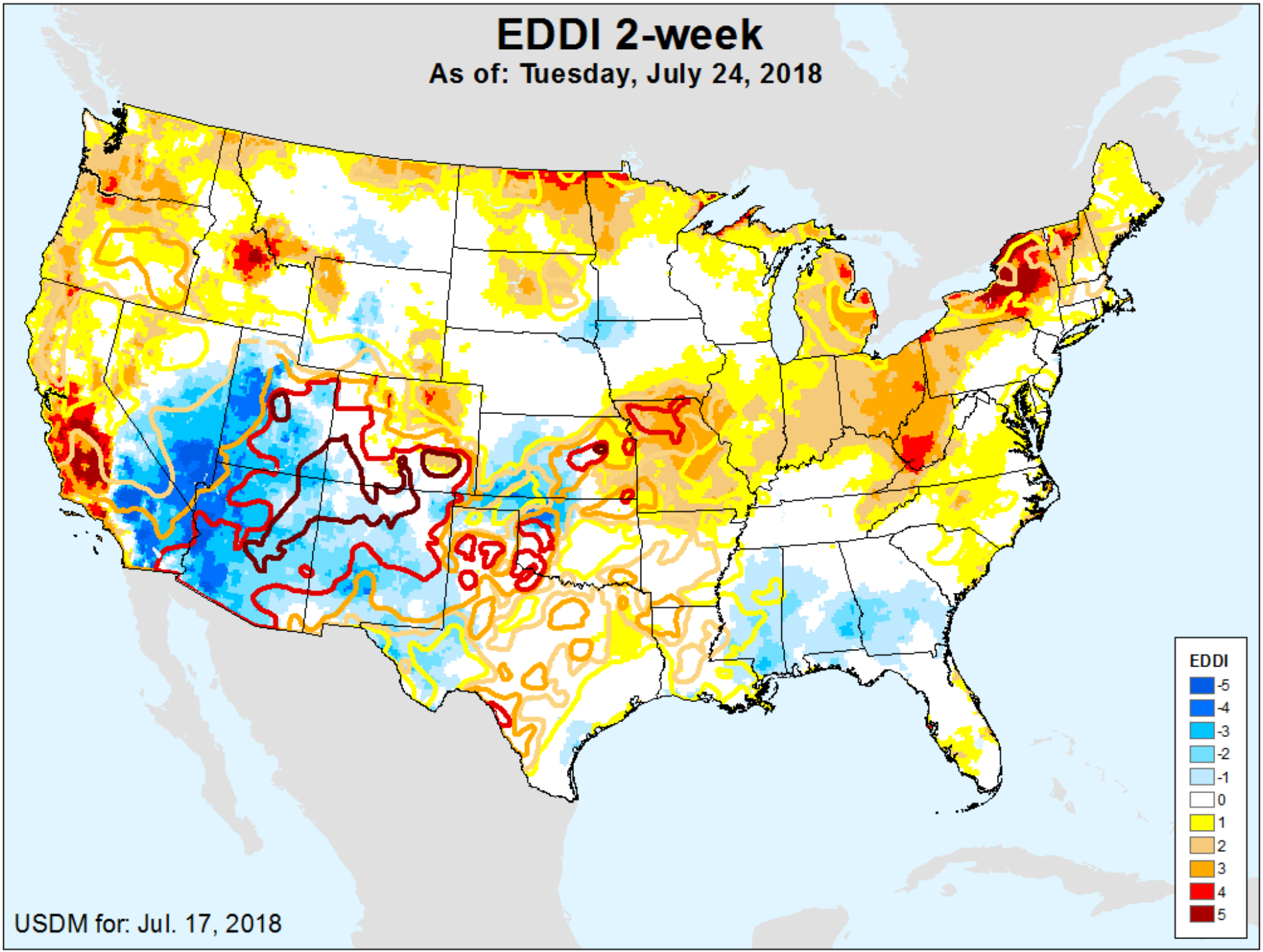



EDDI 1-week
As of: Tuesday, July 24, 2018
EDDI
-5
-4
-3
-2
-1
0
1
2
3
4
5
USDM for: Jul. 17, 2018

EDDI 1-week

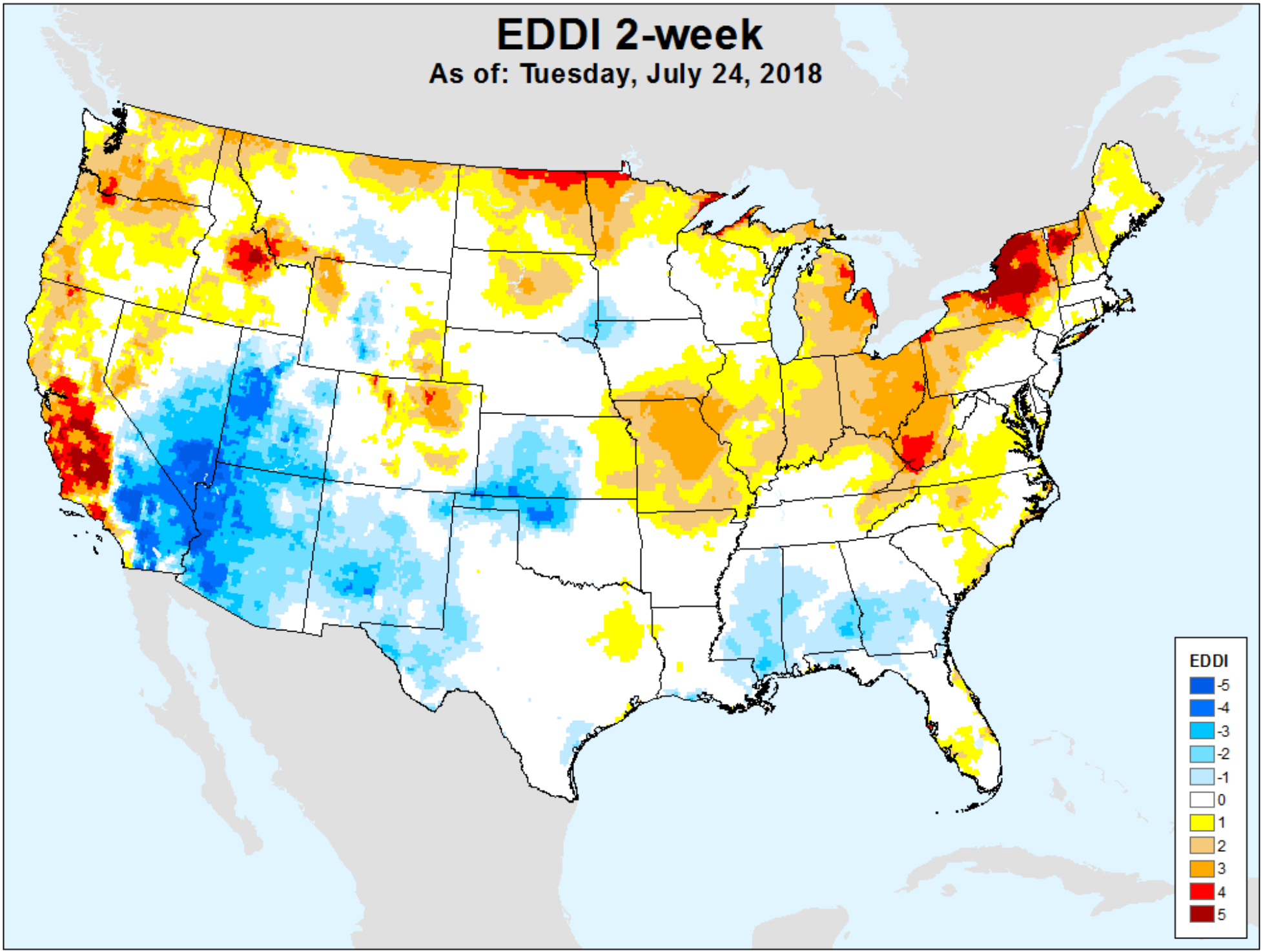
As of: Tuesday, July 24, 2018

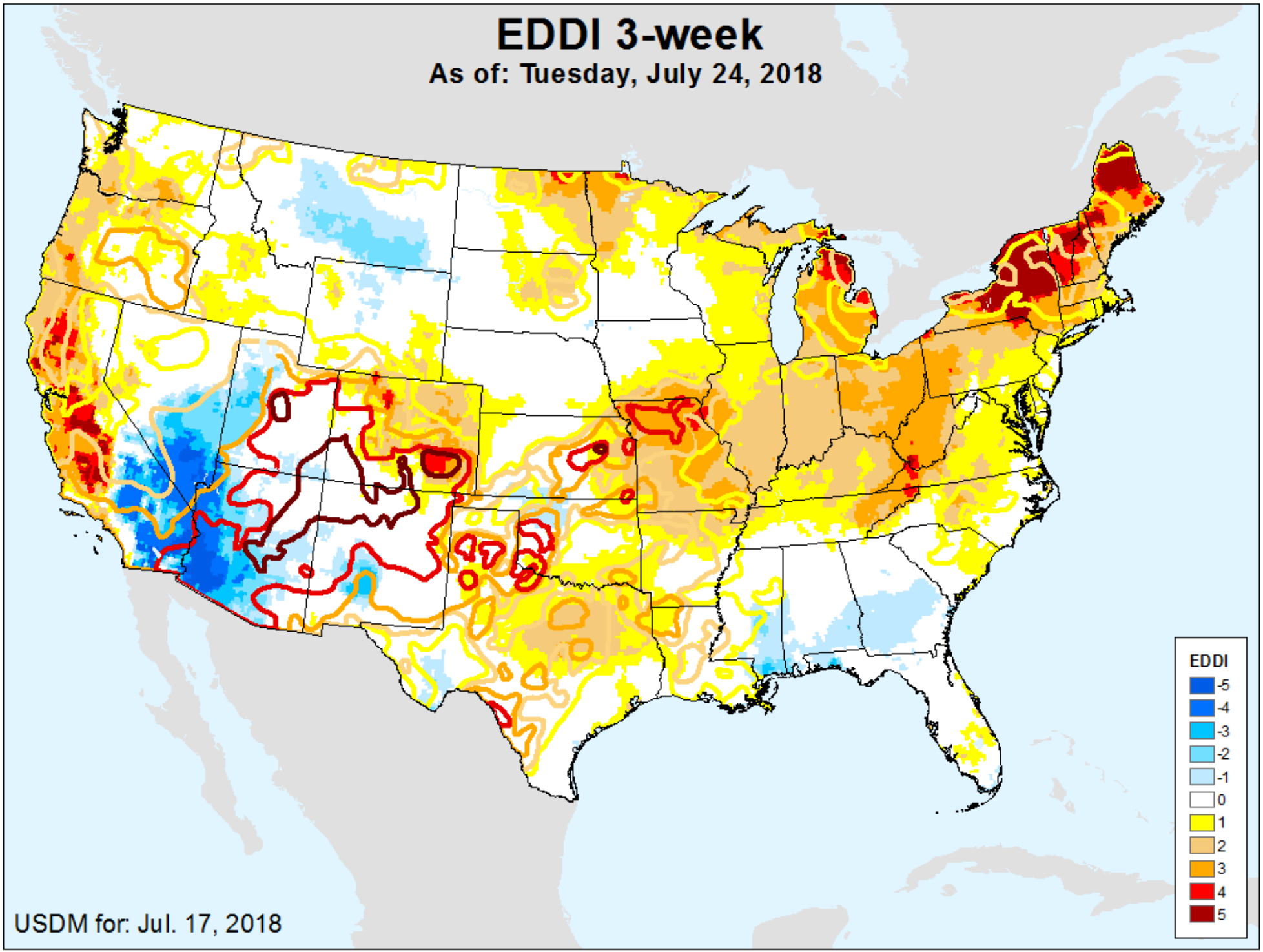



EDDI 2-week
As of: Tuesday, July 24, 2018
EDDI
-5
-4
-3
-2
-1
0
1
2
3
4
5
USDM for: Jul. 17, 2018

EDDI 2-week

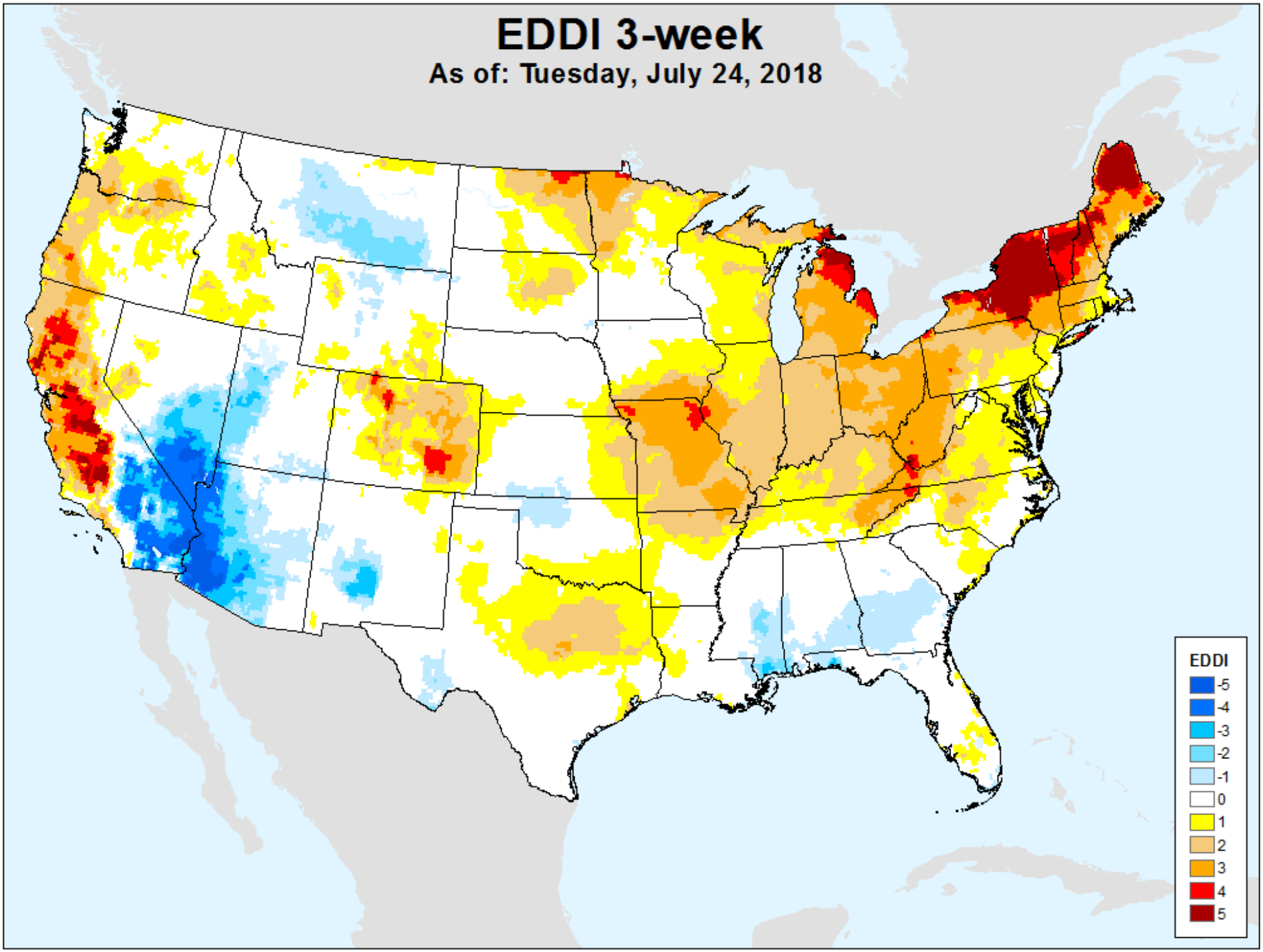
As of: Tuesday, July 24, 2018




EDDI 3-week
As of: Tuesday, July 24, 2018
EDDI
-5
-4
-3
-2
-1
0
1
2
3
4
5
USDM for: Jul. 17, 2018

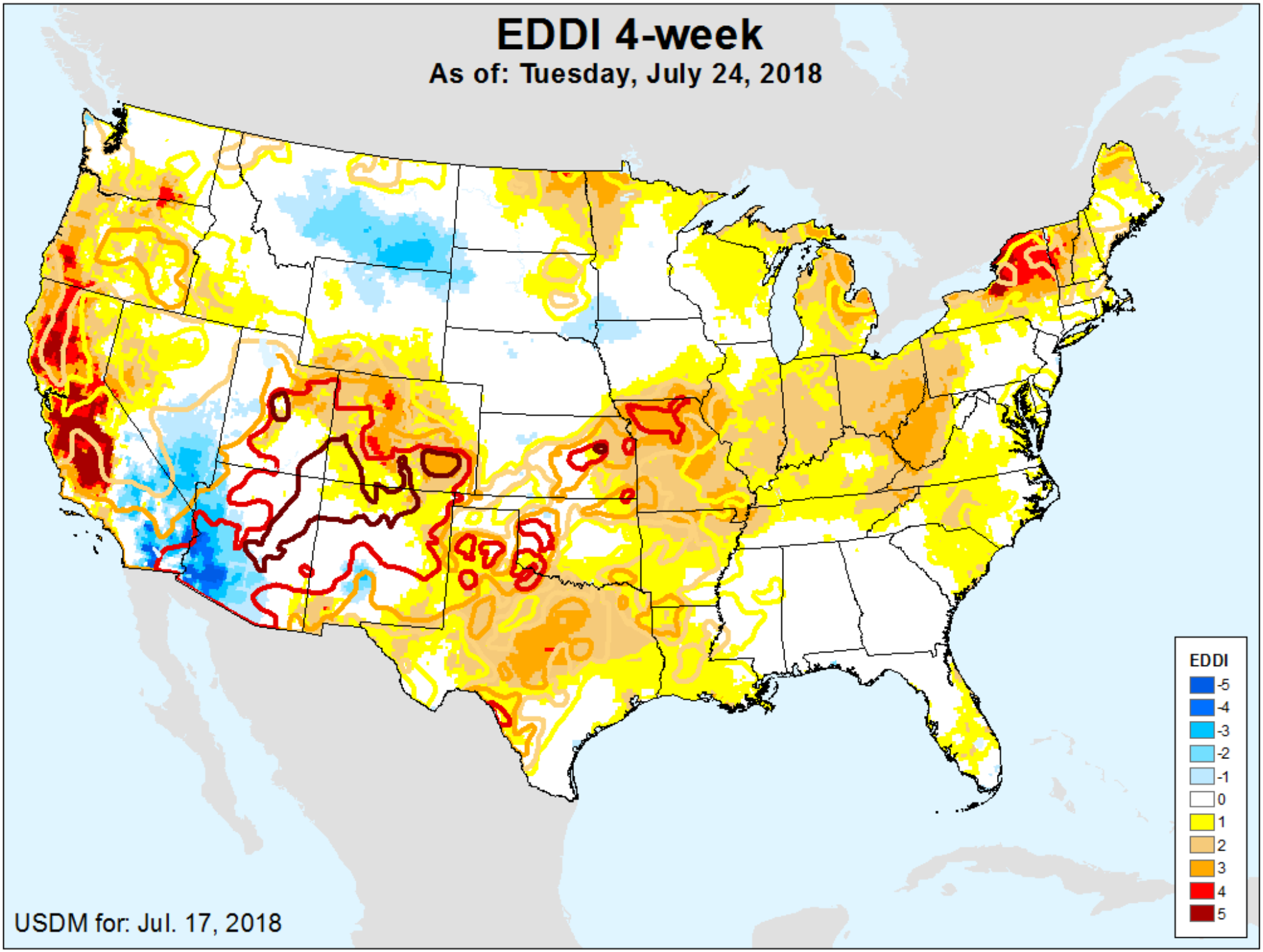
EDDI 3-week

As of: Tuesday, July 24, 2018



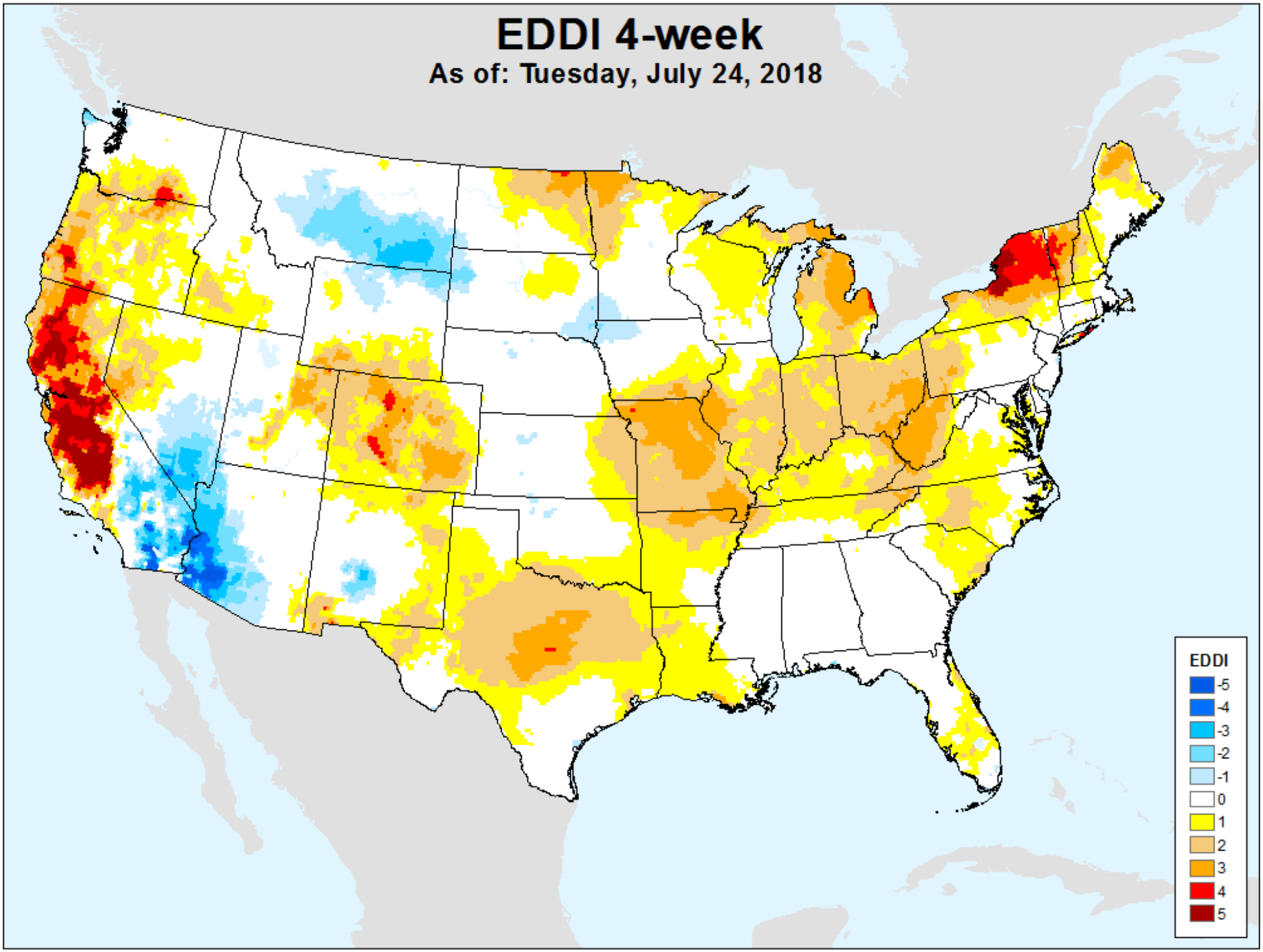
EDDI 4-week

As of: Tuesday, July 24, 2018



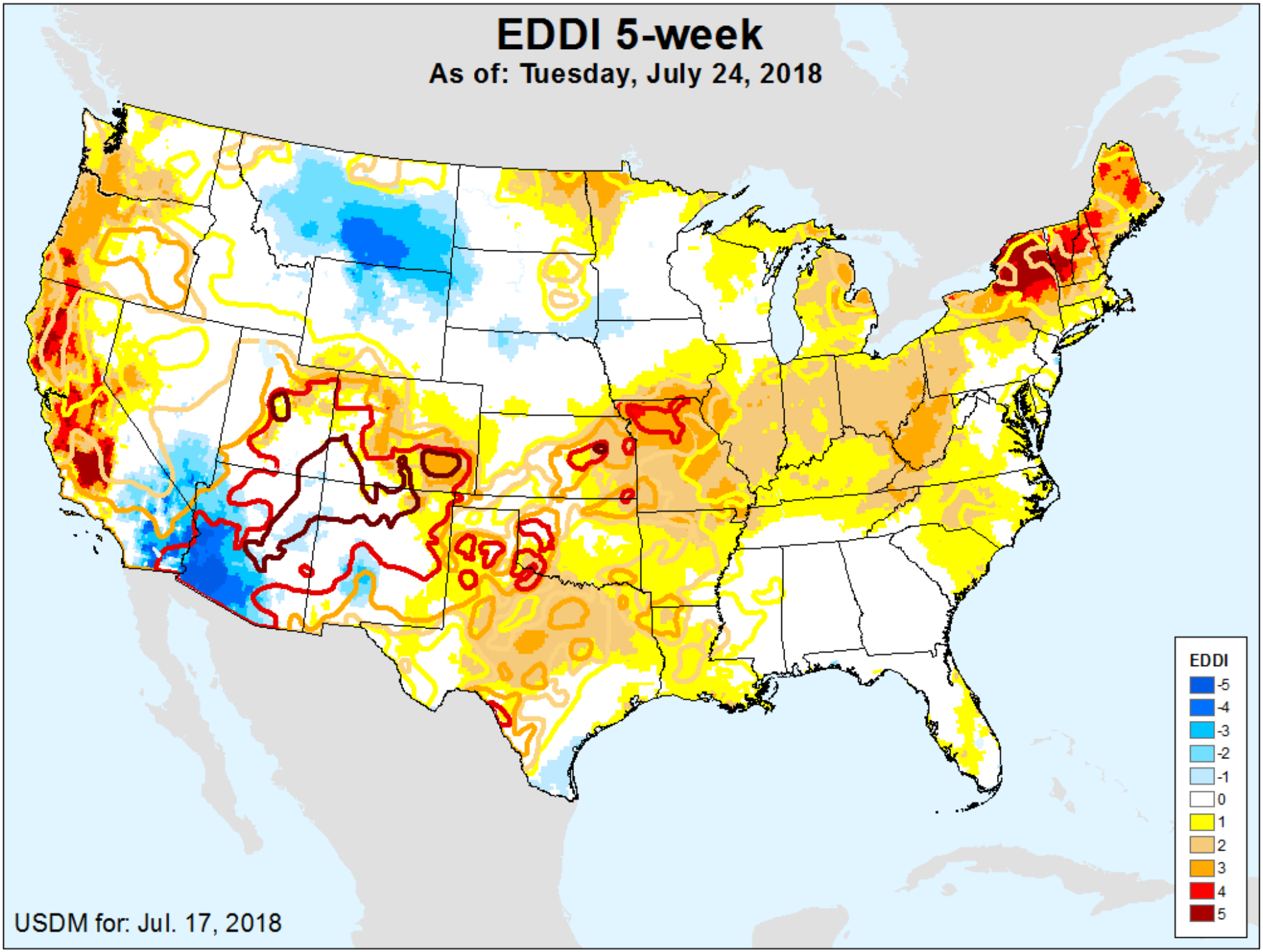
EDDI 4-week

As of: Tuesday, July 24, 2018



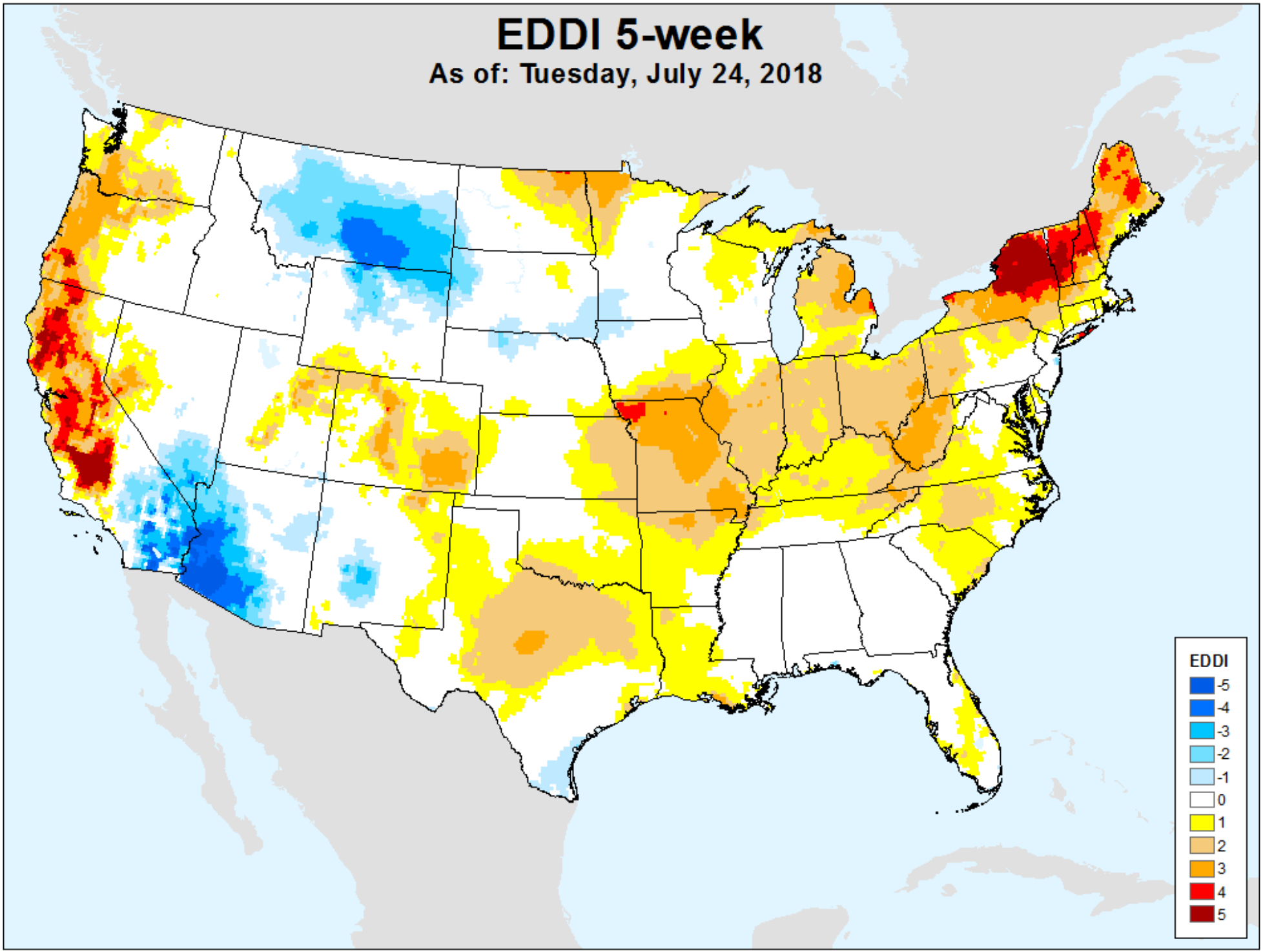
EDDI 5-week

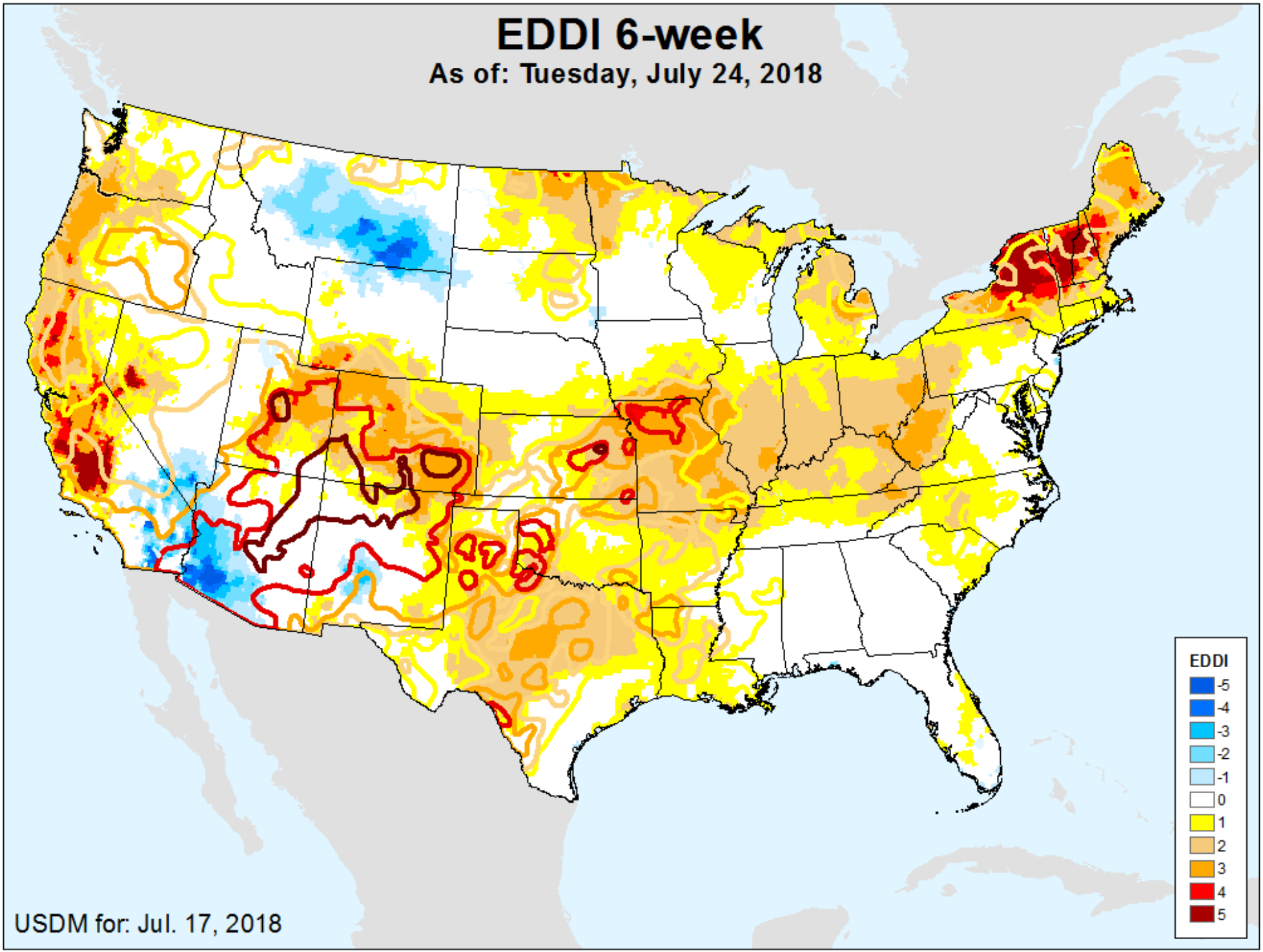
As of: Tuesday, July 24, 2018

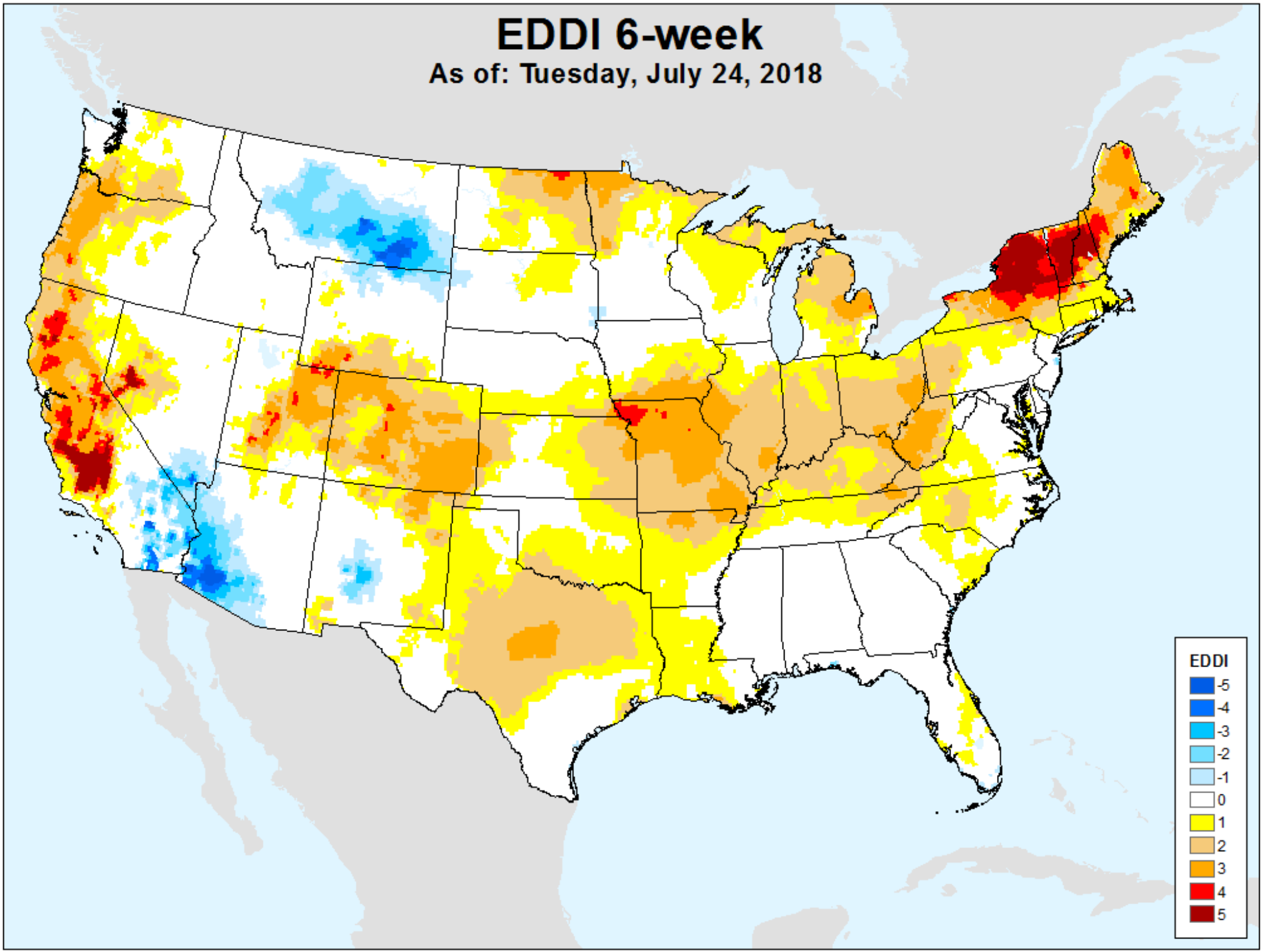


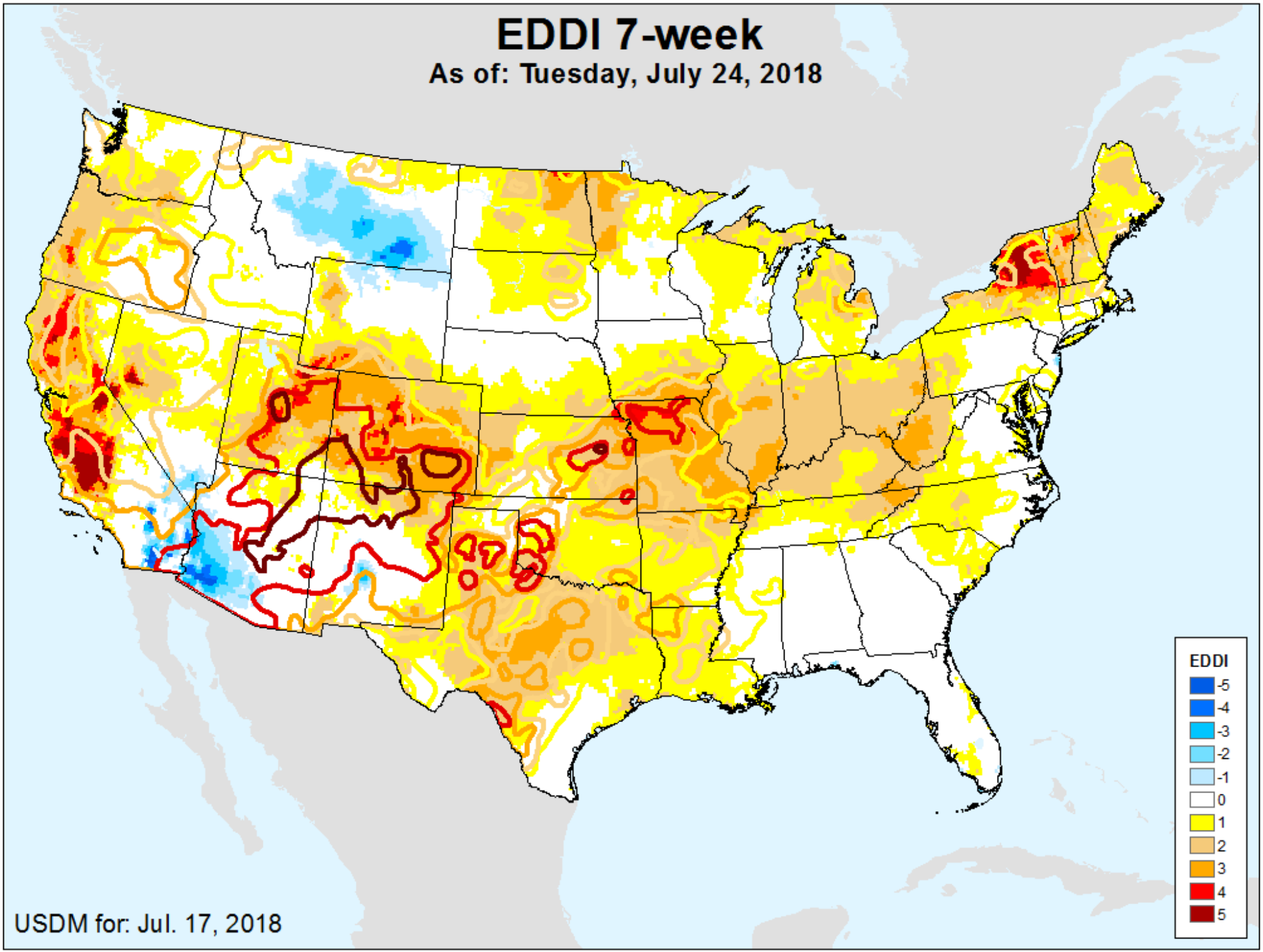
EDDI 5-week

As of: Tuesday, July 24, 2018



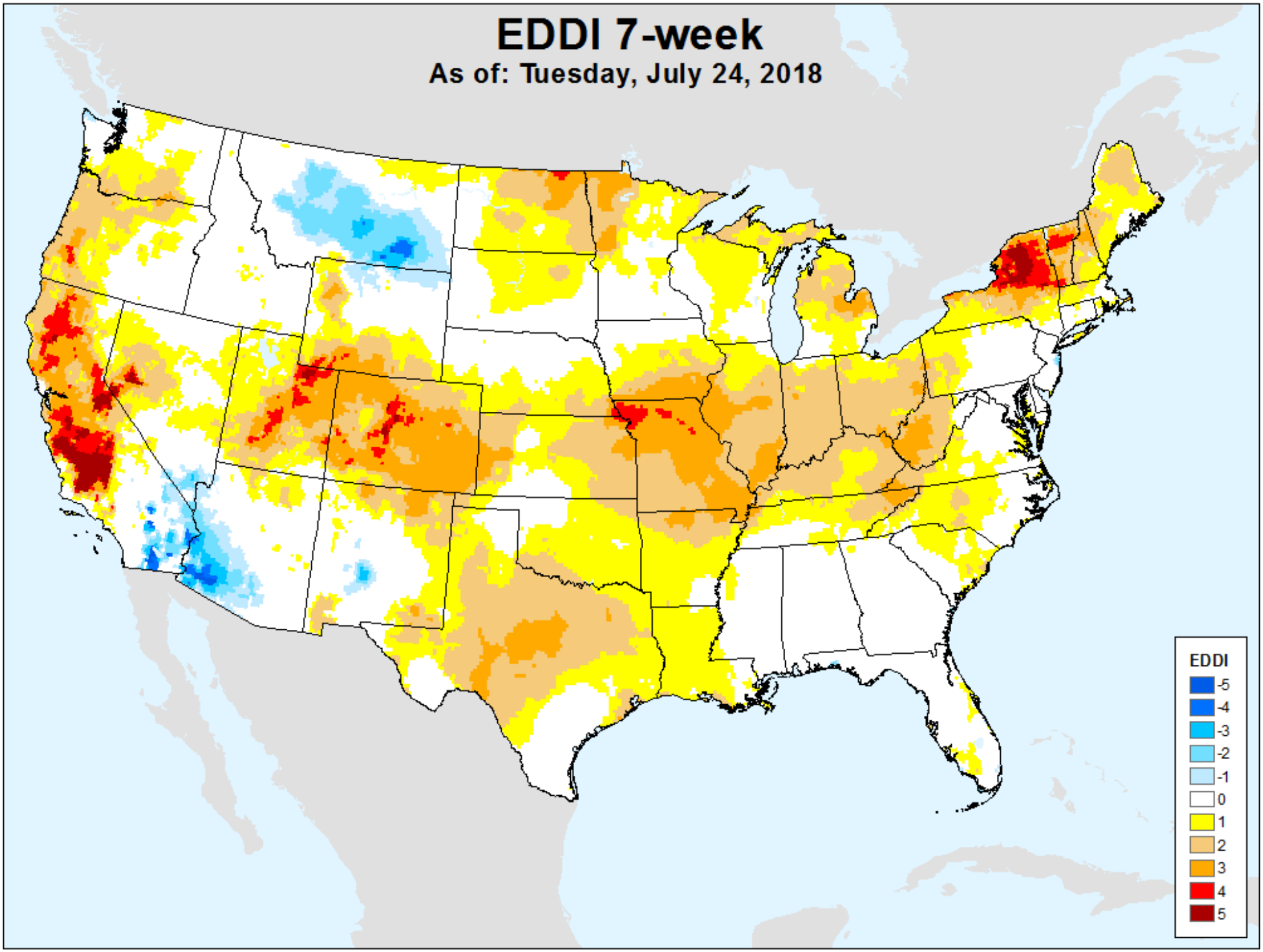

EDDI 6-week
As of: Tuesday, July 24, 2018
EDDI
-5
-4
-3
-2
-1
0
1
2
3
4
5
USDM for: Jul. 17, 2018

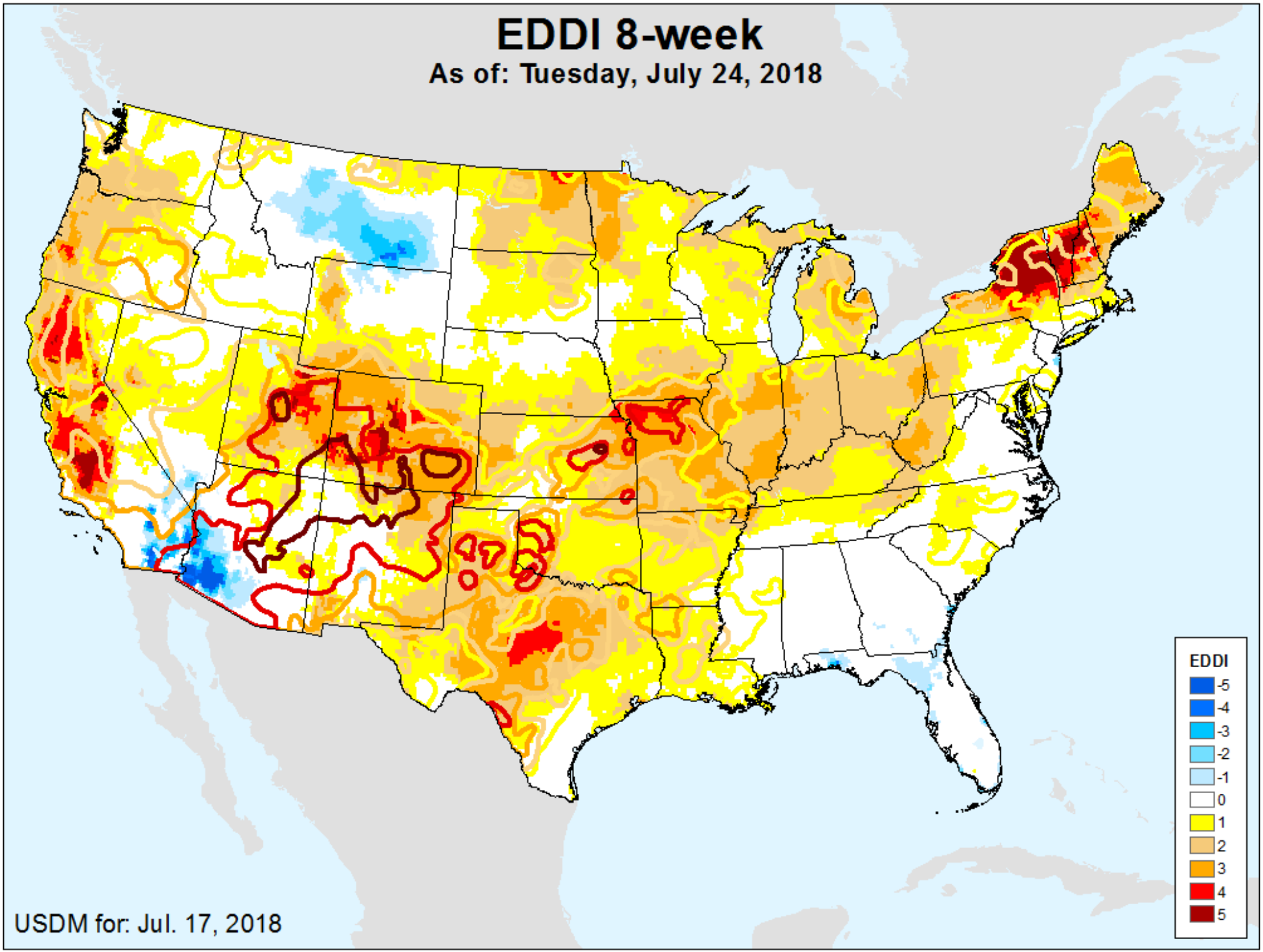

EDDI 6-week
As of: Tuesday, July 24, 2018
EDDI
-5
-4
-3
-2
-1
0
1
2
3
4
5


EDDI 7-week
As of: Tuesday, July 24, 2018
EDDI
-5
-4
-3
-2
-1
0
1
2
3
4
5
USDM for: Jul. 17, 2018

EDDI 7-week

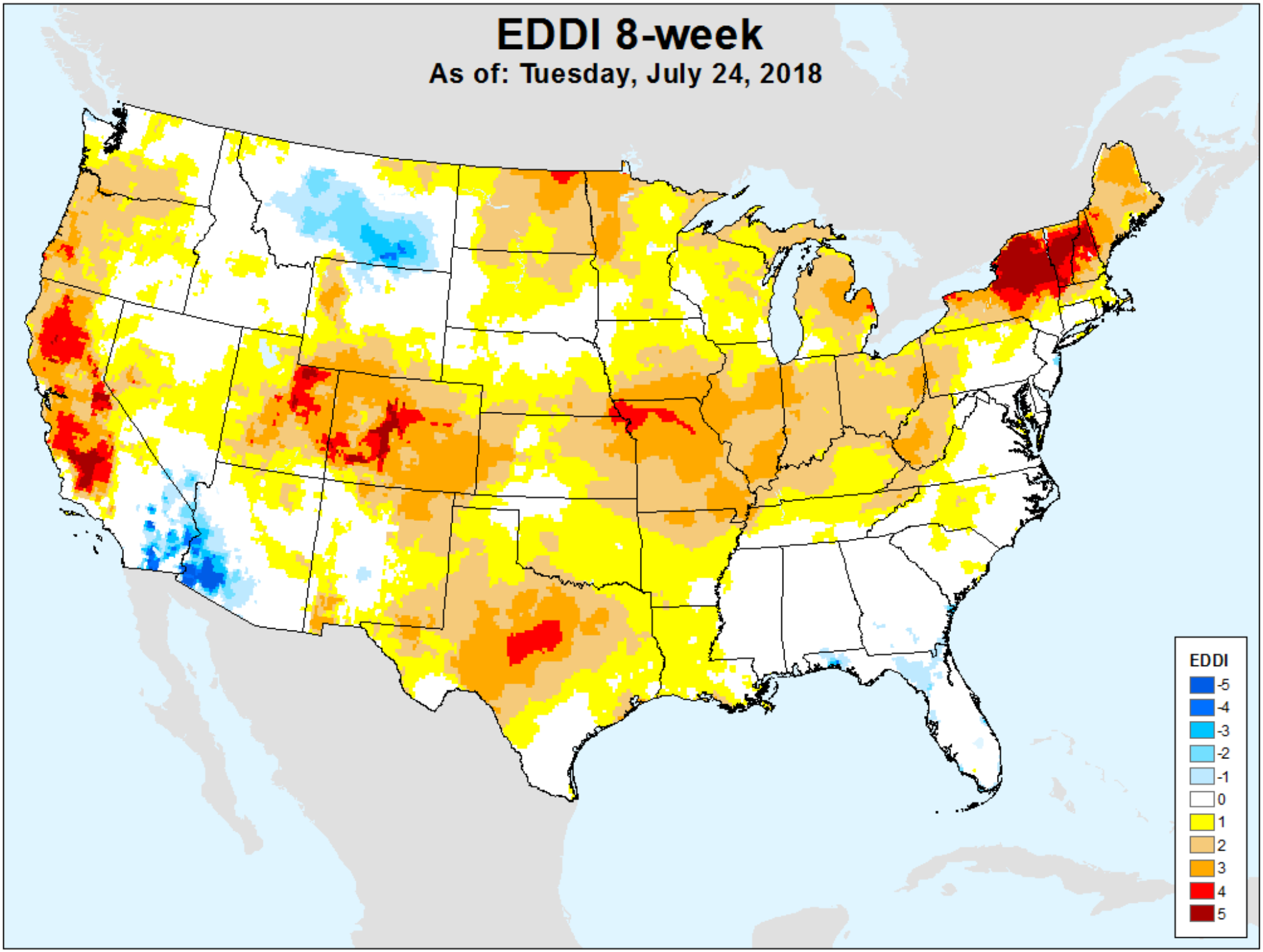
As of: Tuesday, July 24, 2018

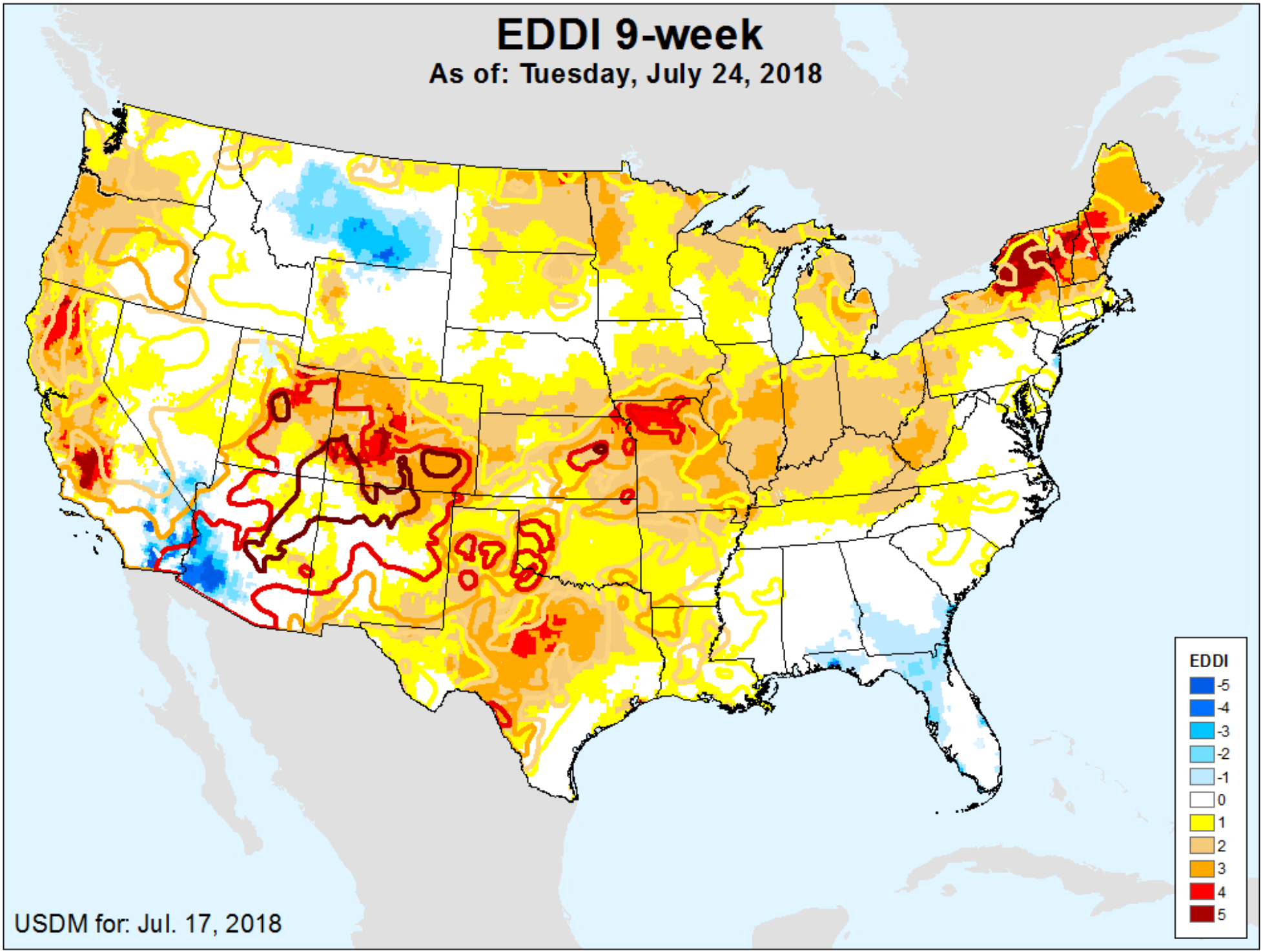



EDDI 8-week
As of: Tuesday, July 24, 2018
EDDI
-5
-4
-3
-2
-1
0
1
2
3
4
5
USDM for: Jul. 17, 2018

EDDI 8-week

As of: Tuesday, July 24, 2018




EDDI 9-week
As of: Tuesday, July 24, 2018
EDDI
-5
-4
-3
-2
-1
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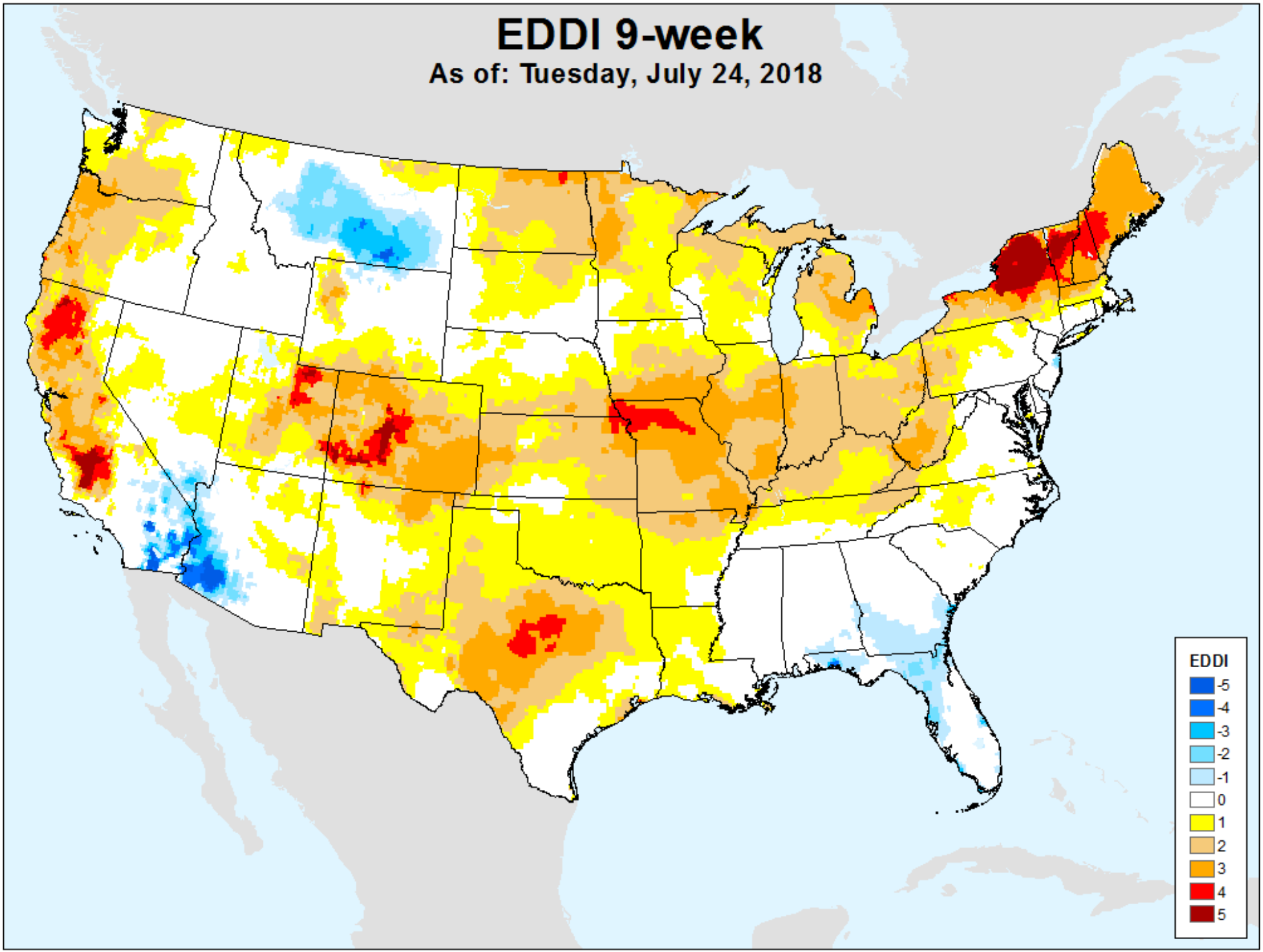
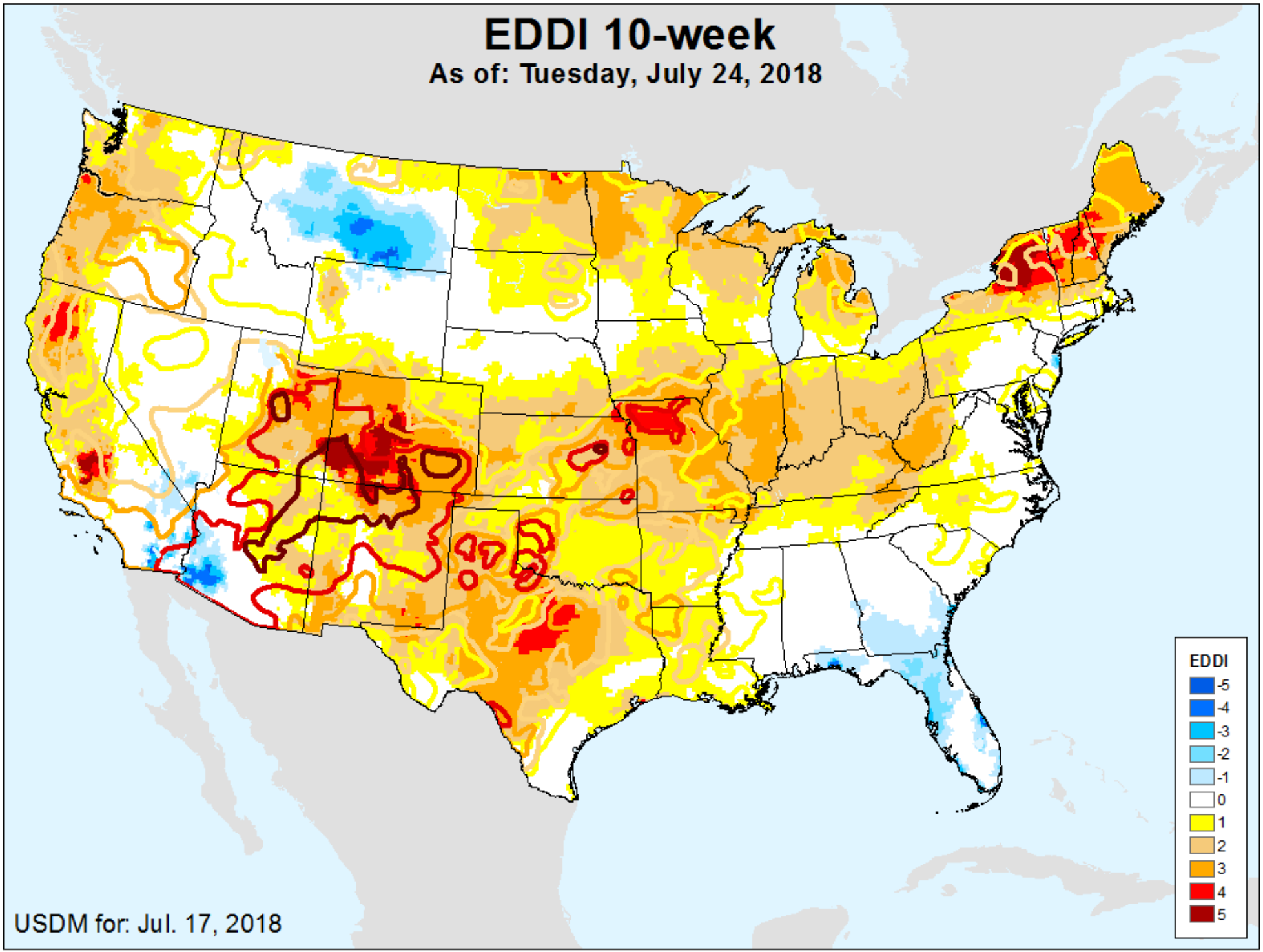
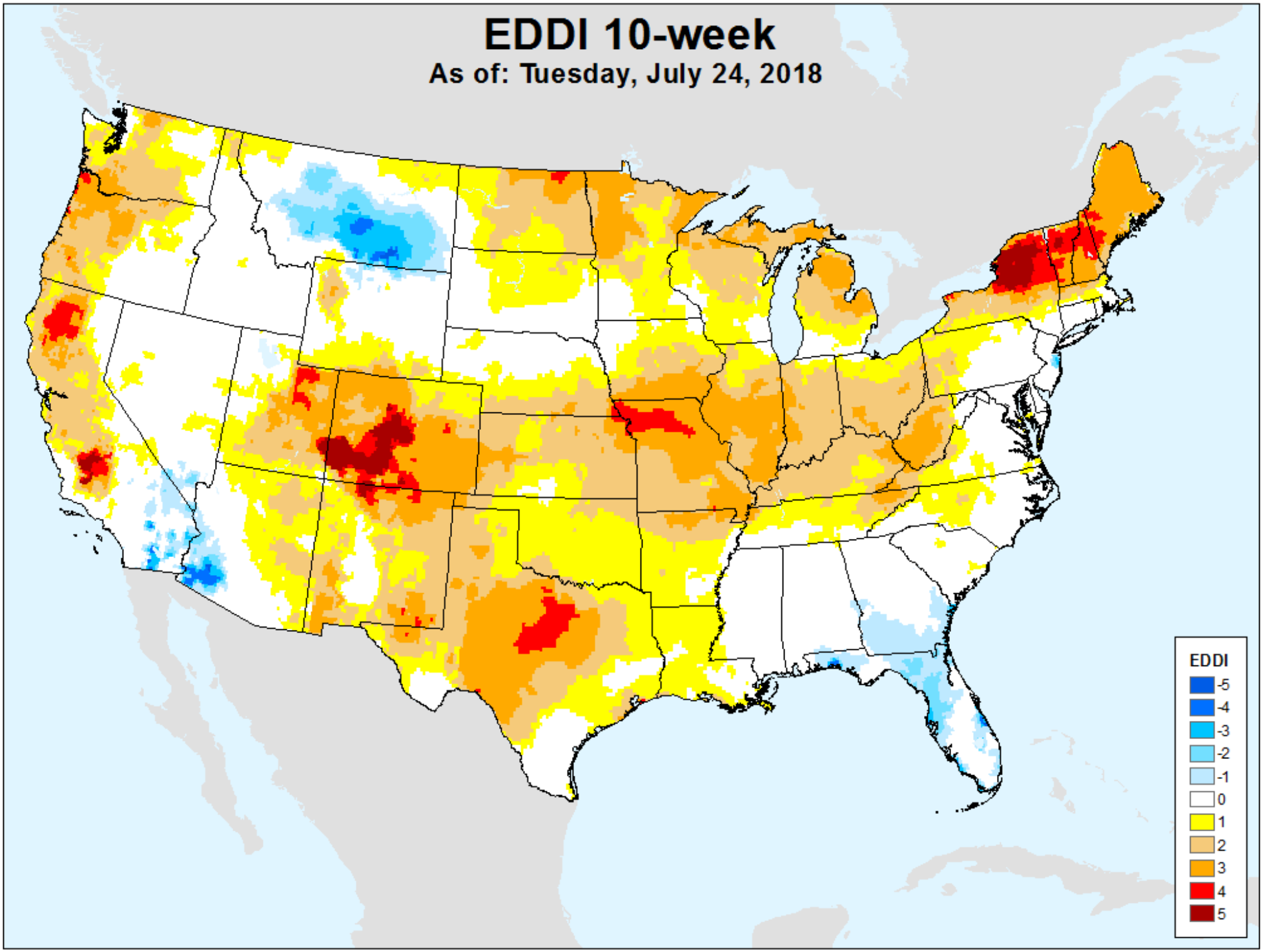
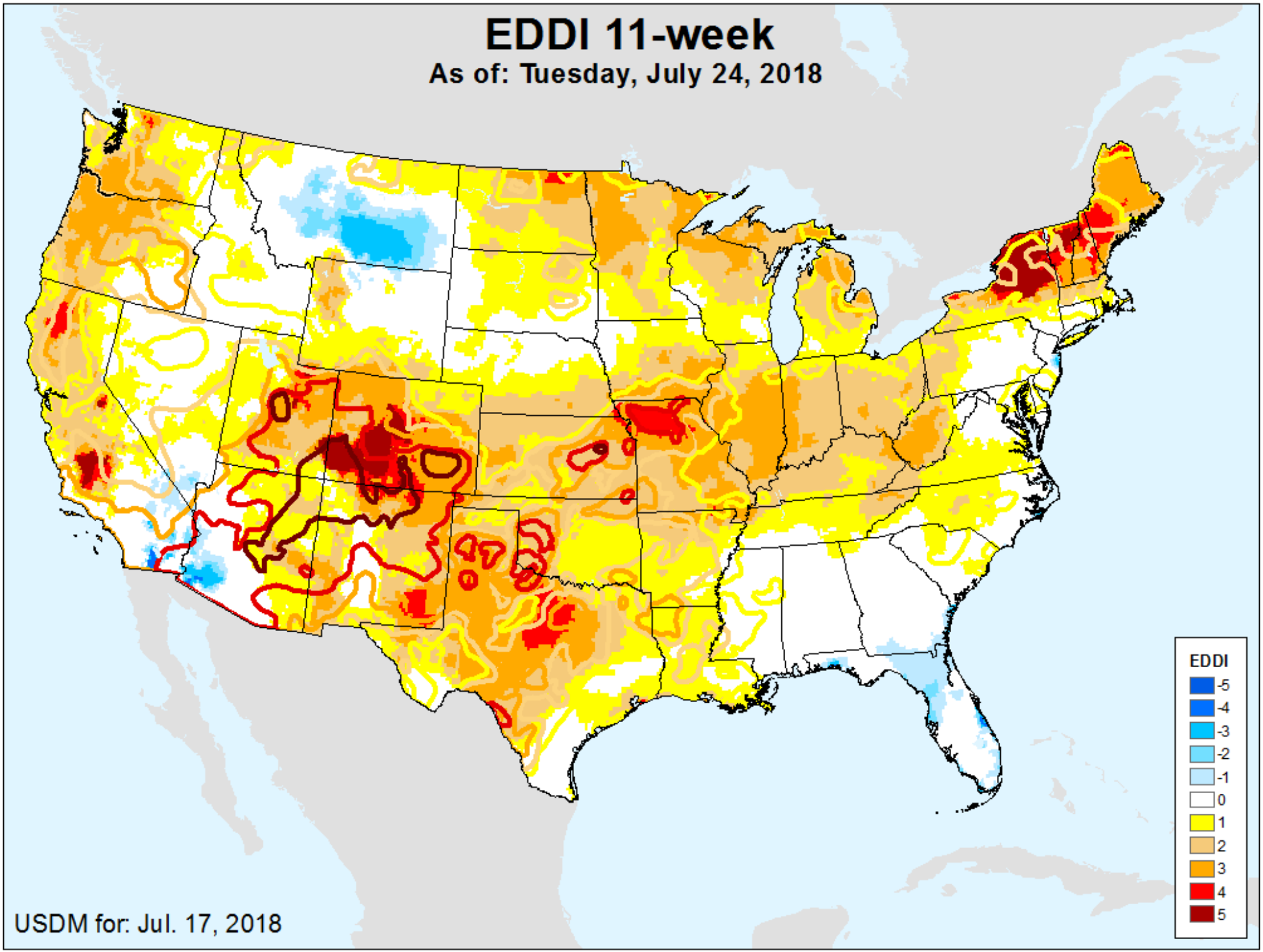
1
2
3
4
5
USDM for: Jul. 17, 2018


EDDI 9-week
As of: Tuesday, July 24, 2018
EDDI
-5
-4
-3
-2
-1
0
1
2
3
4
5

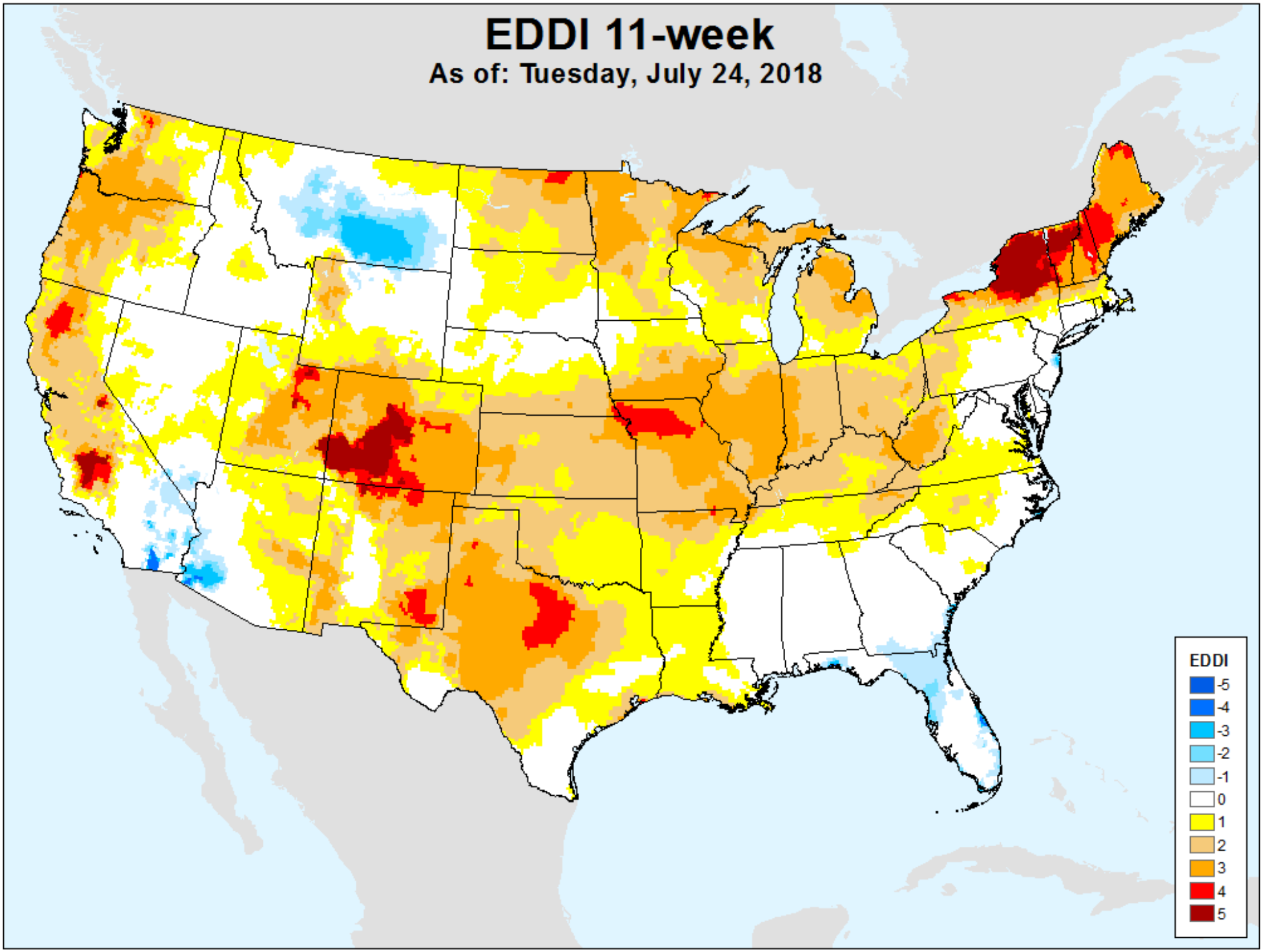

EDDI 10-week
As of: Tuesday, July 24, 2018
EDDI
-5
-4
-3
-2
-1
0
1
2
3
4
5
USDM for: Jul. 17, 2018

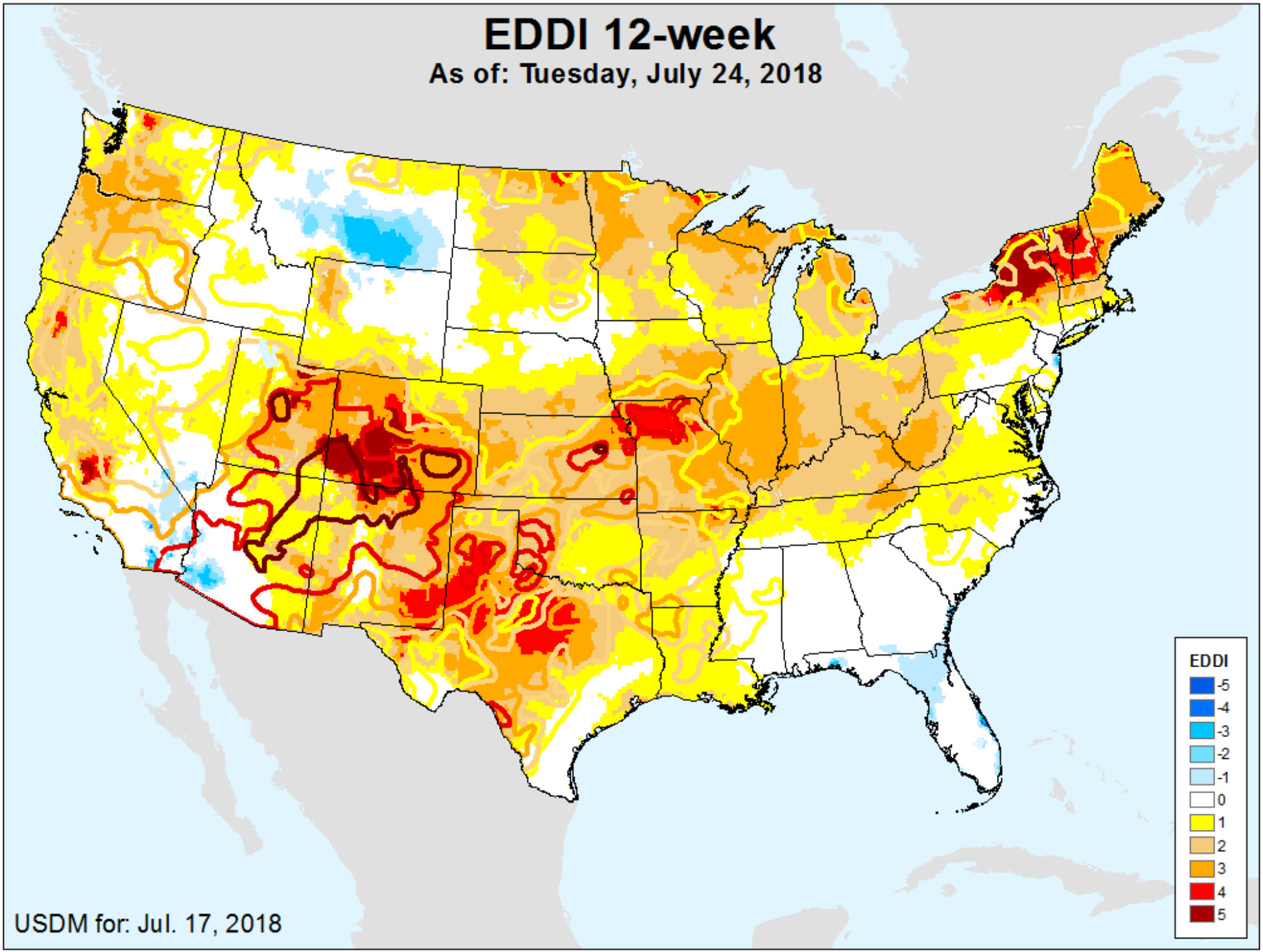

EDDI 10-week
As of: Tuesday, July 24, 2018
EDDI
-5
-4
-3
-2
-1
0
1
2
3
4
5


EDDI 11-week
As of: Tuesday, July 24, 2018
EDDI
-5
-4
-3
-2
-1
0
1
2
3
4
5
USDM for: Jul. 17, 2018

EDDI 11-week

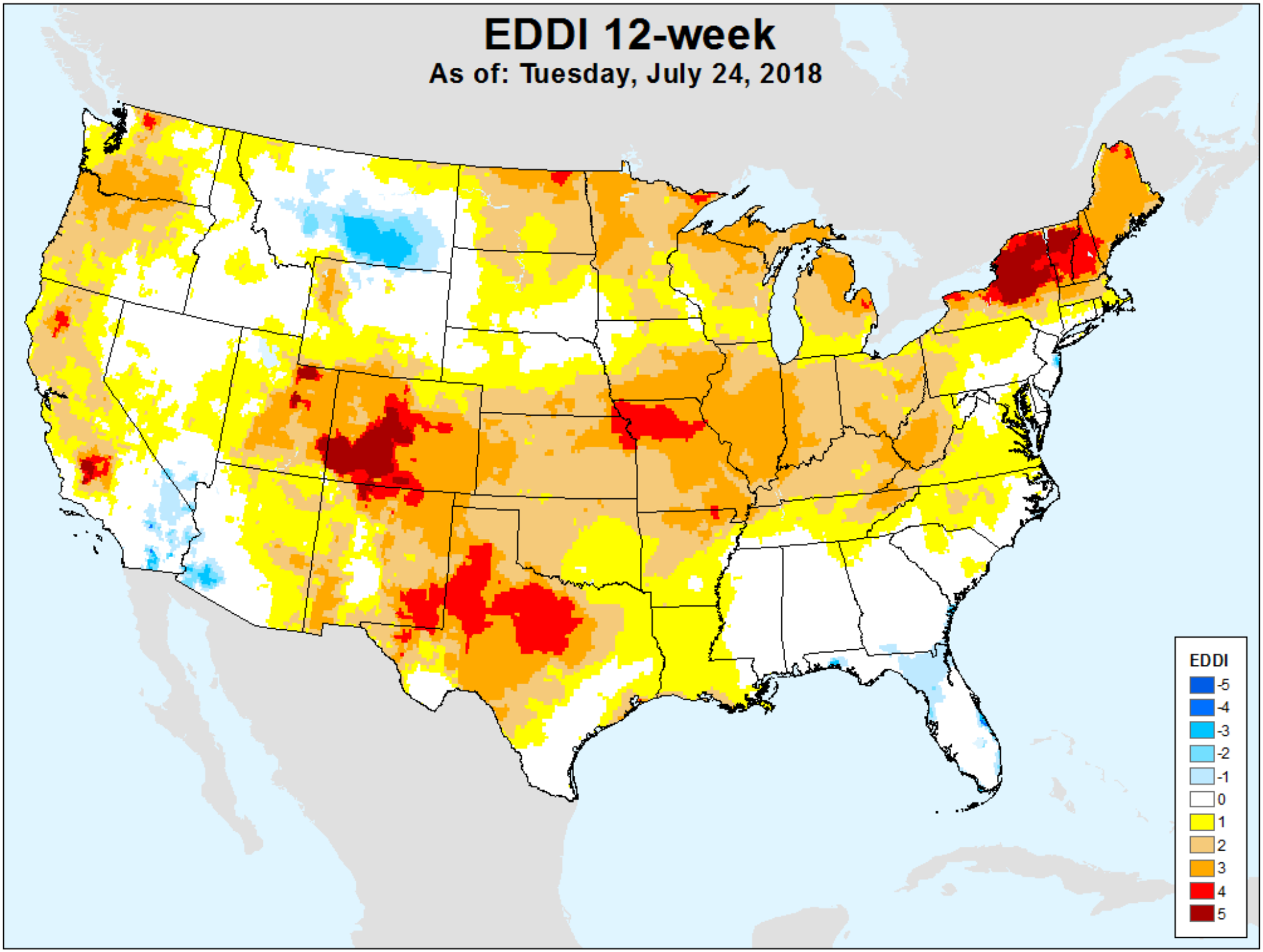
As of: Tuesday, July 24, 2018




EDDI 12-week
As of: Tuesday, July 24, 2018
EDDI
-5
-4
-3
-2
-1
0
1
2
3
4
5
USDM for: Jul. 17, 2018

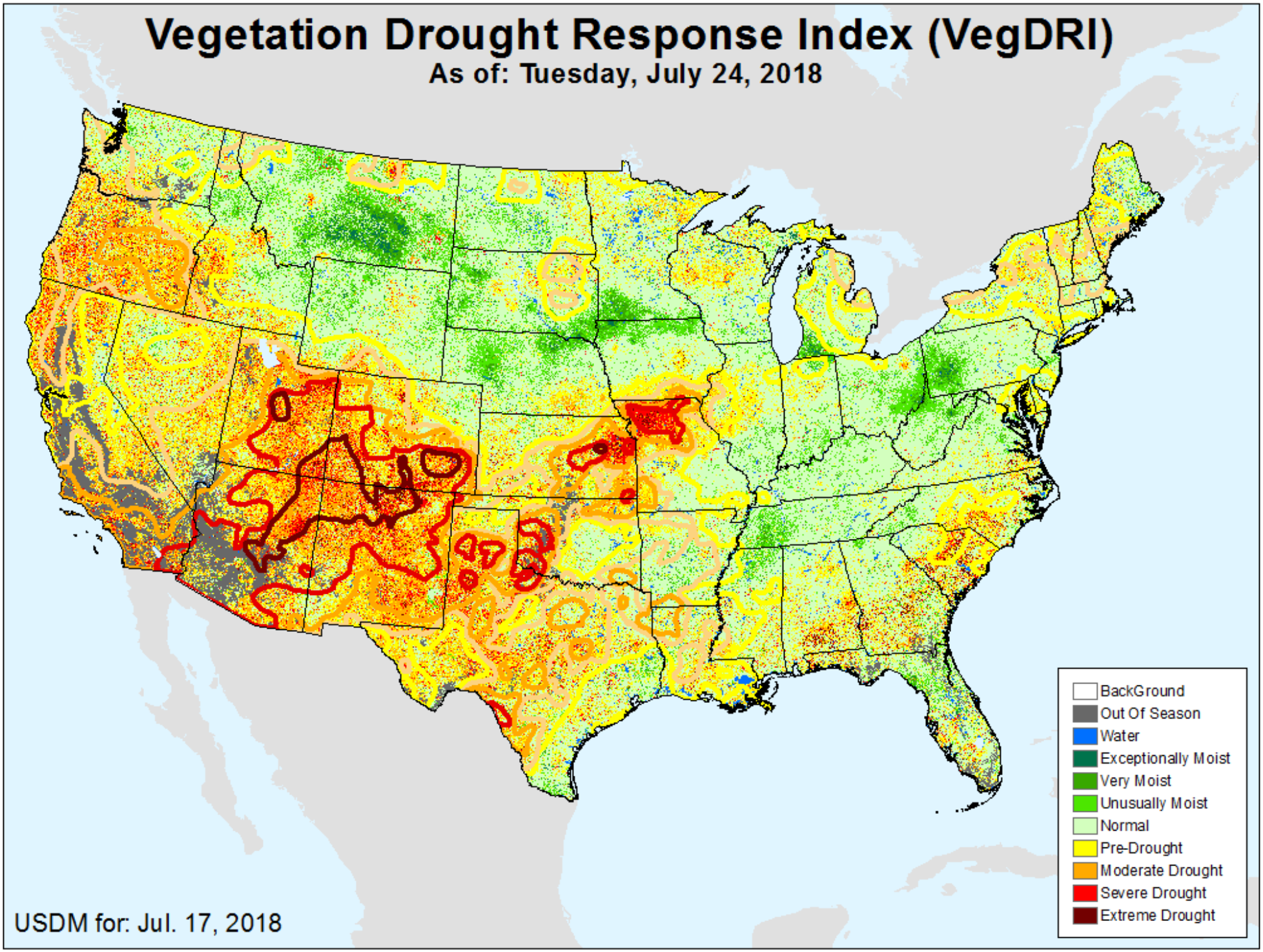
EDDI 12-week

As of: Tuesday, July 24, 2018



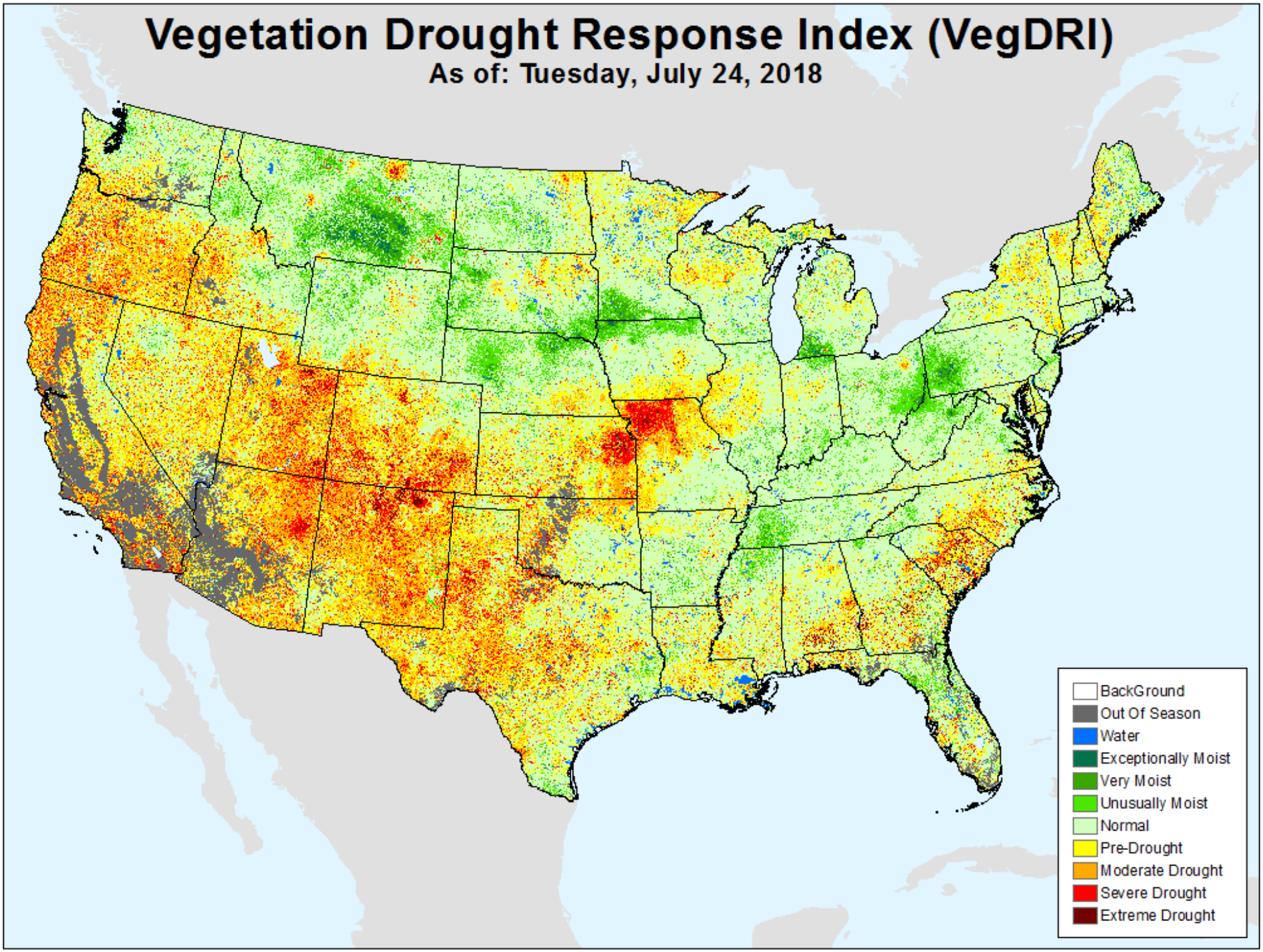
Vegetation Drought Response Index (VegDRI)

As of: Tuesday, July 24, 2018



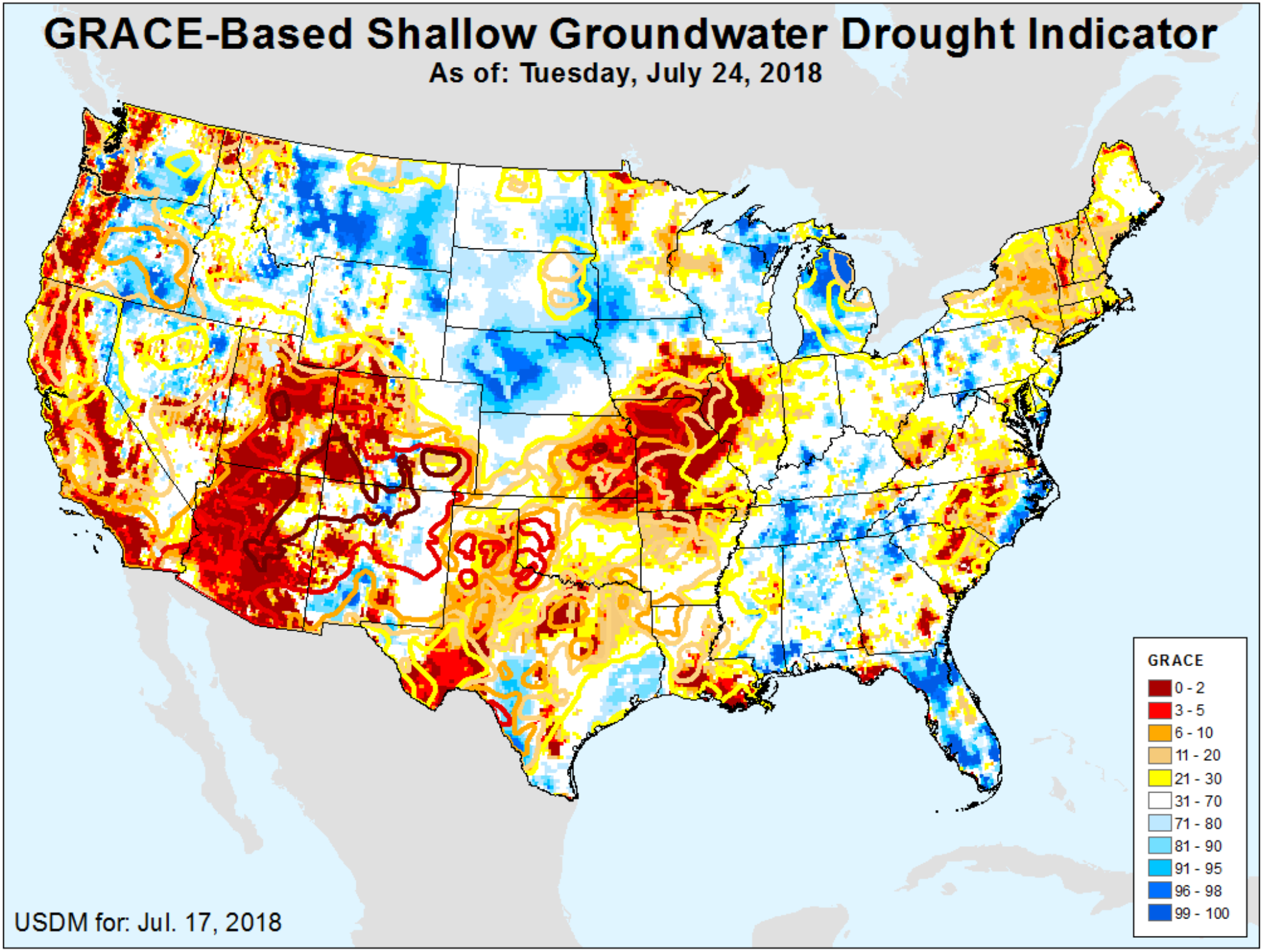
Vegetation Drought Response Index (VegDRI)

As of: Tuesday, July 24, 2018



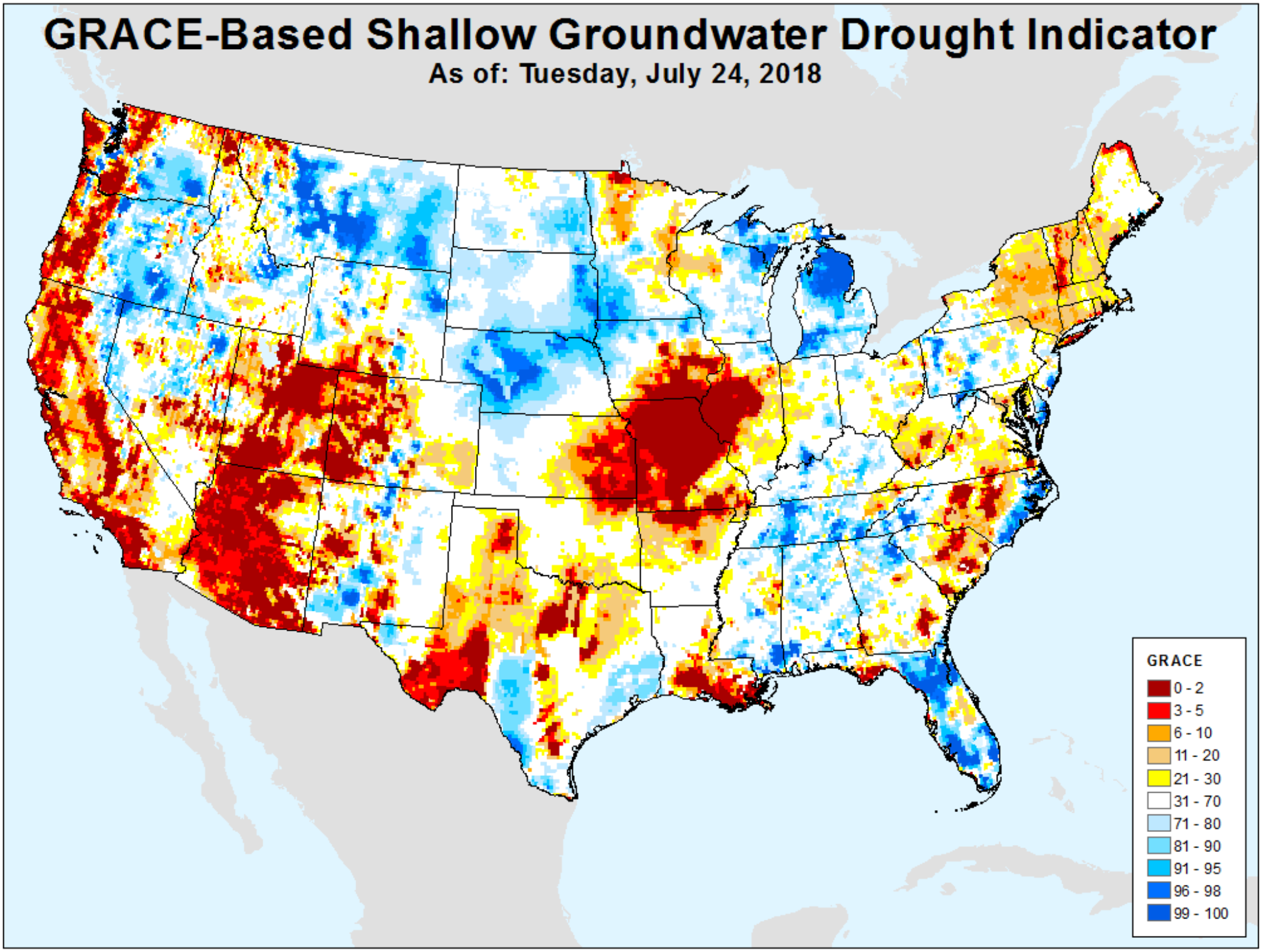
GRACE-Based Shallow Groundwater Drought Indicator

As of: Tuesday, July 24, 2018



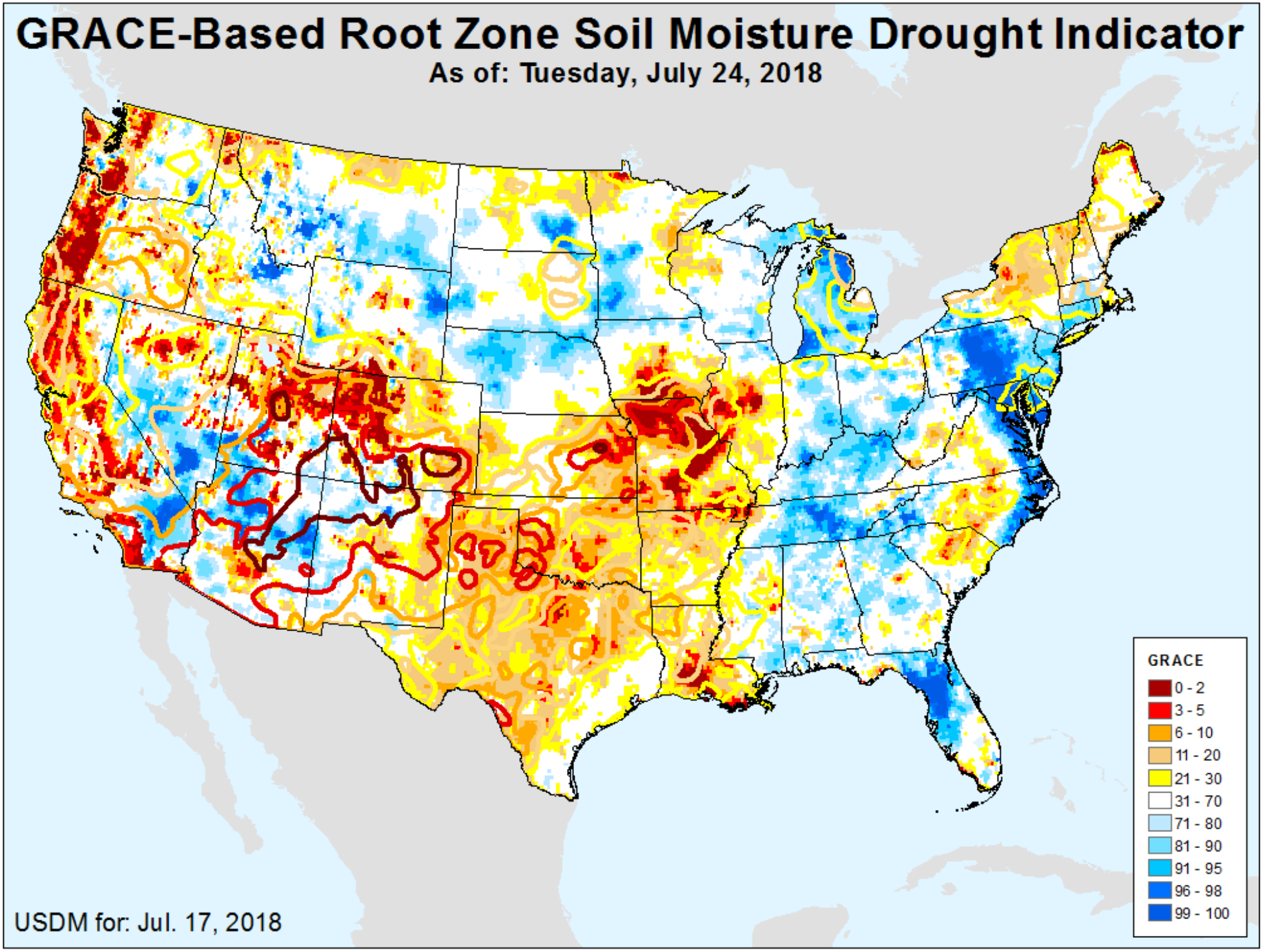
GRACE-Based Shallow Groundwater Drought Indicator

As of: Tuesday, July 24, 2018



GRACE-Based Root Zone Soil Moisture Drought Indicator

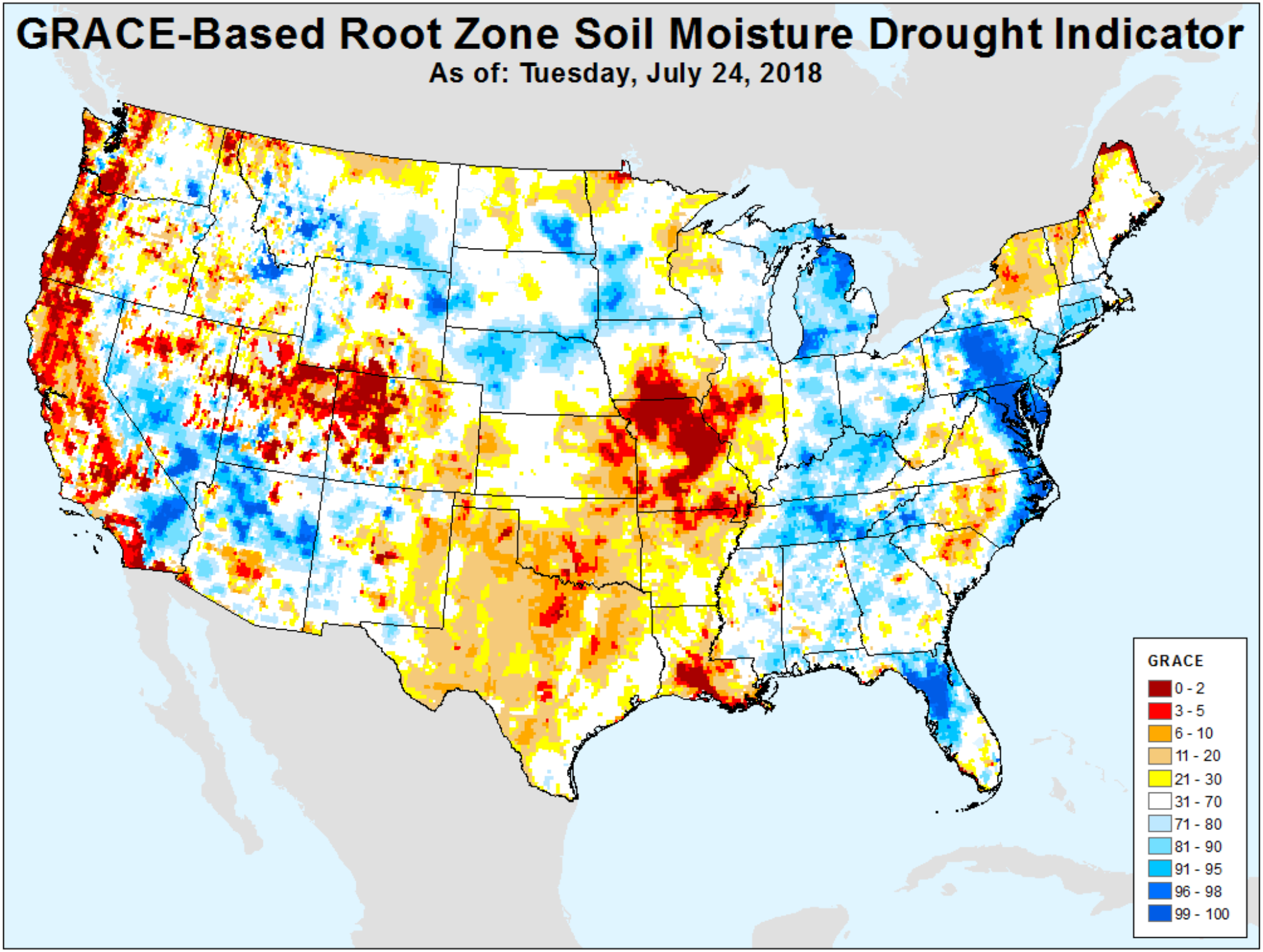
As of: Tuesday, July 24, 2018



USDM for: Jul. 17, 2018

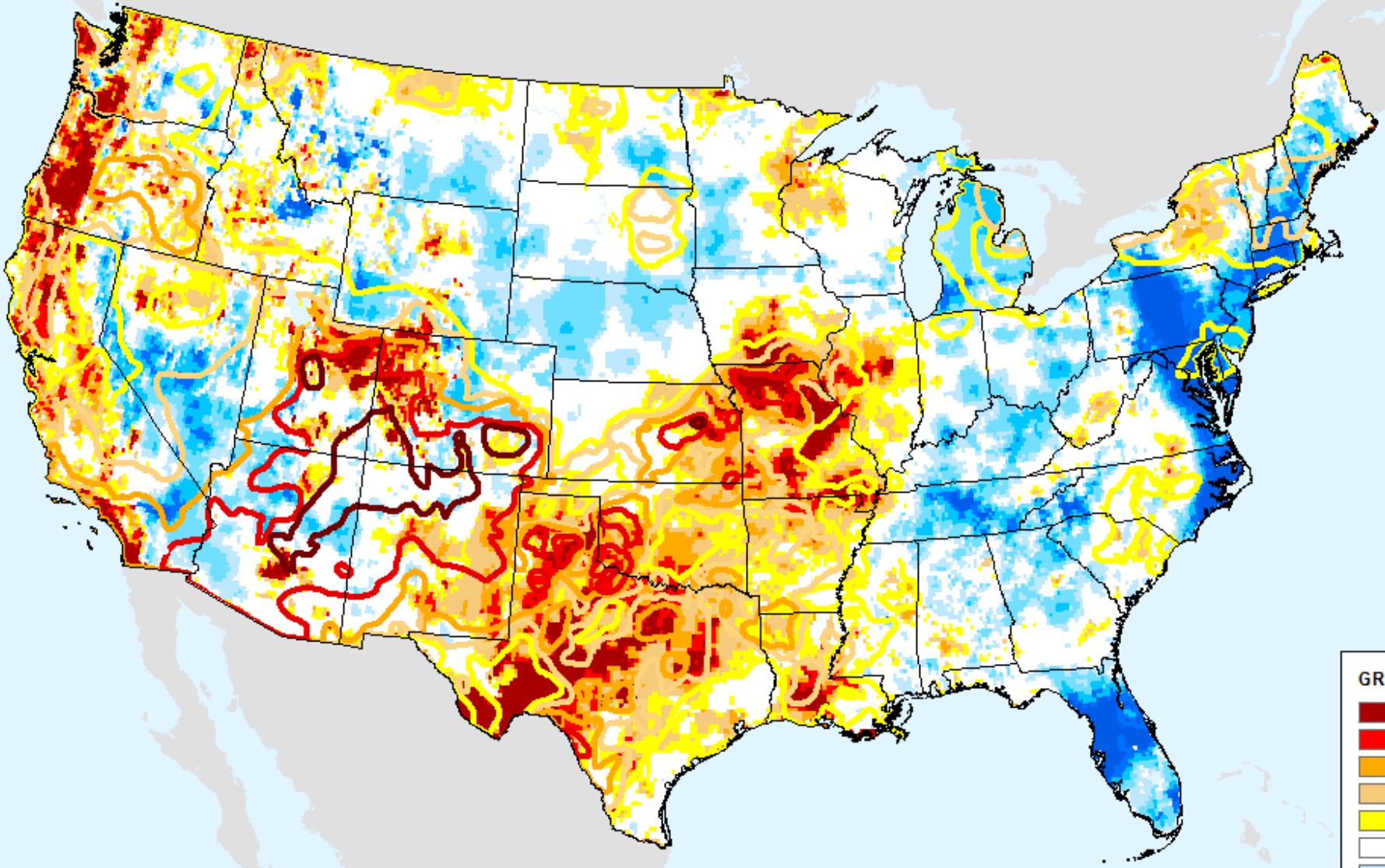
GRACE-Based Root Zone Soil Moisture Drought Indicator

As of: Tuesday, July 24, 2018



GRACE-Based Surface Soil Moisture Drought Indicator

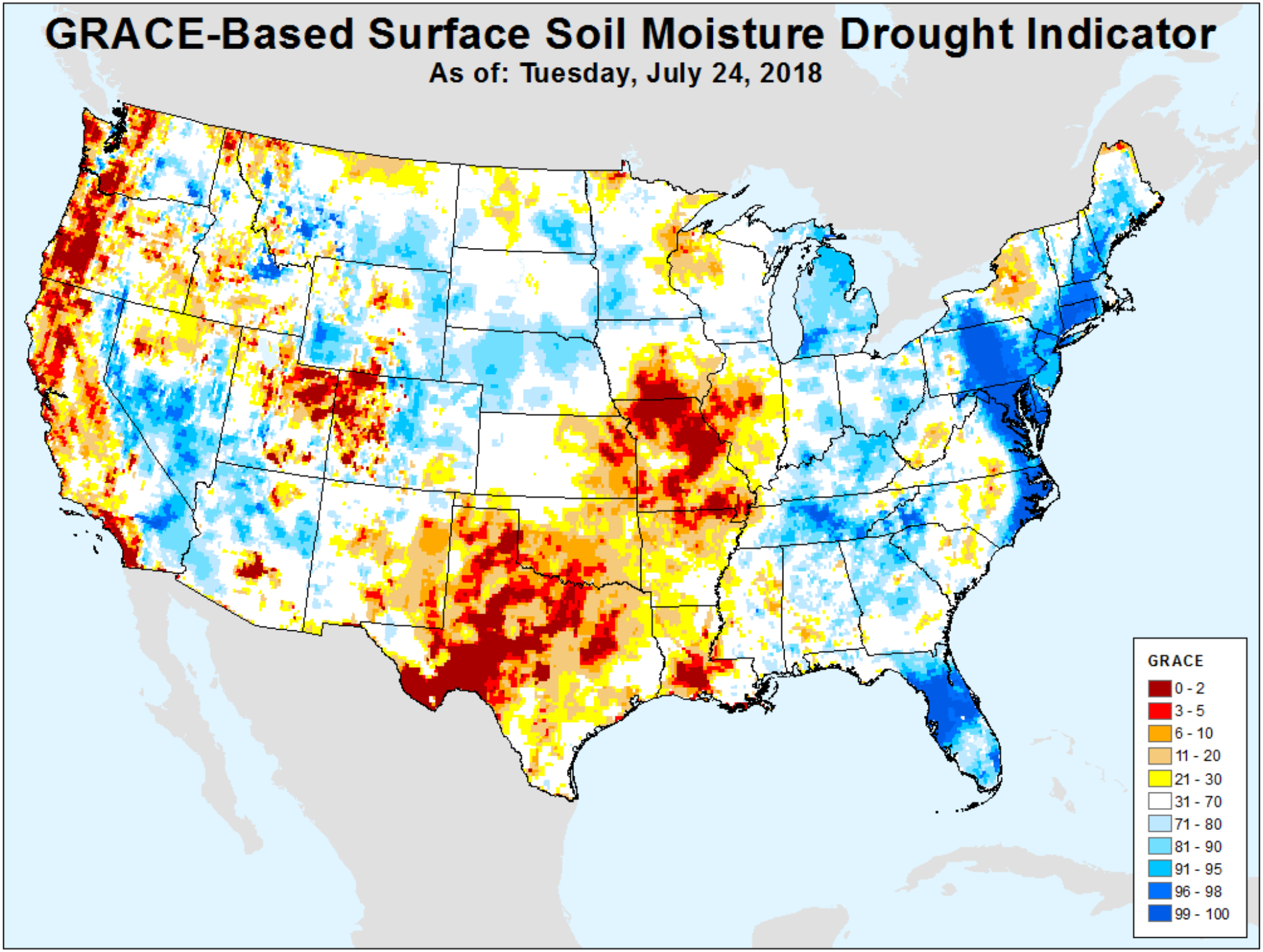
As of: Tuesday, July 24, 2018



USDM for: Jul. 17, 2018

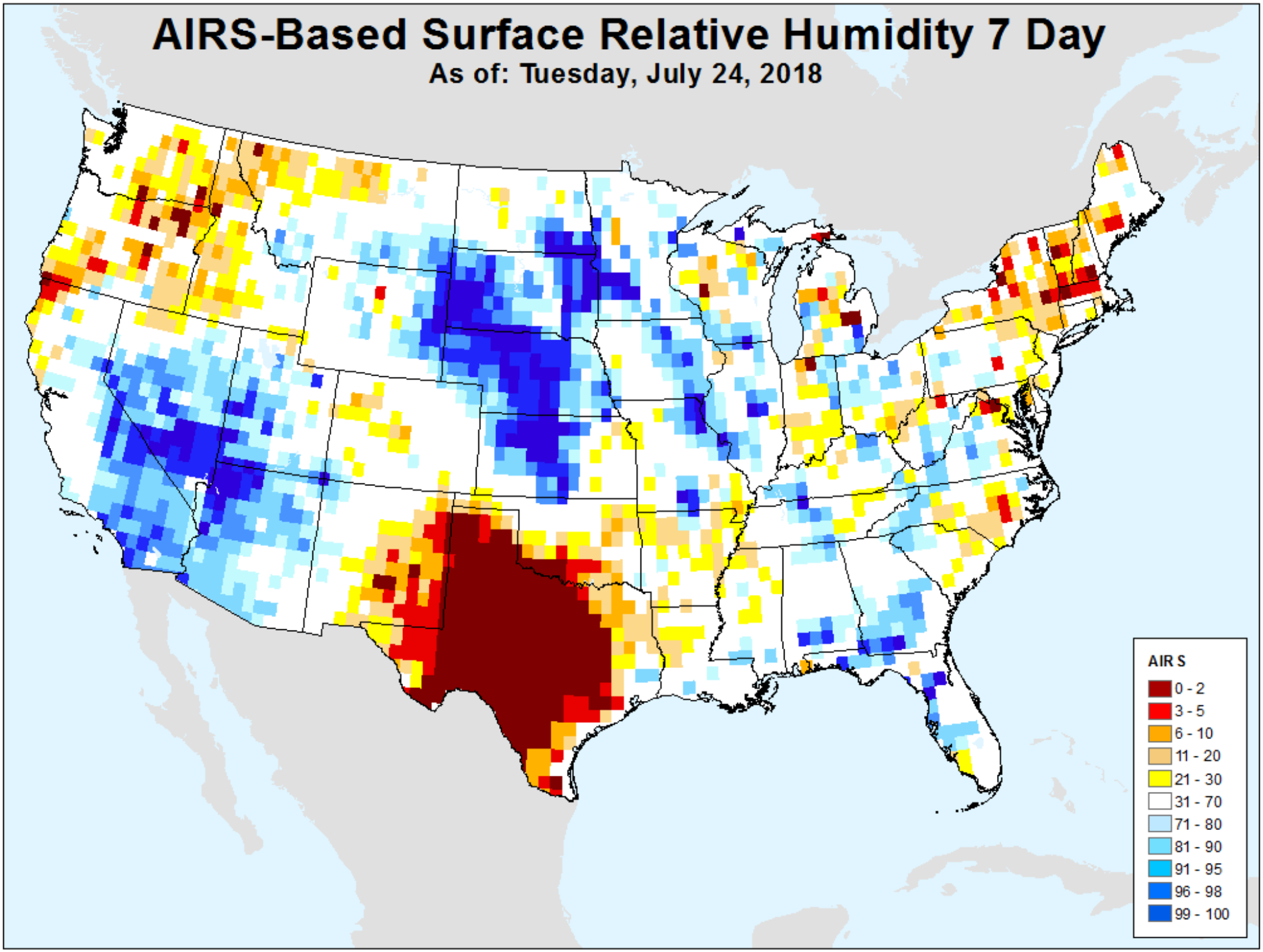
GRACE-Based Surface Soil Moisture Drought Indicator

As of: Tuesday, July 24, 2018



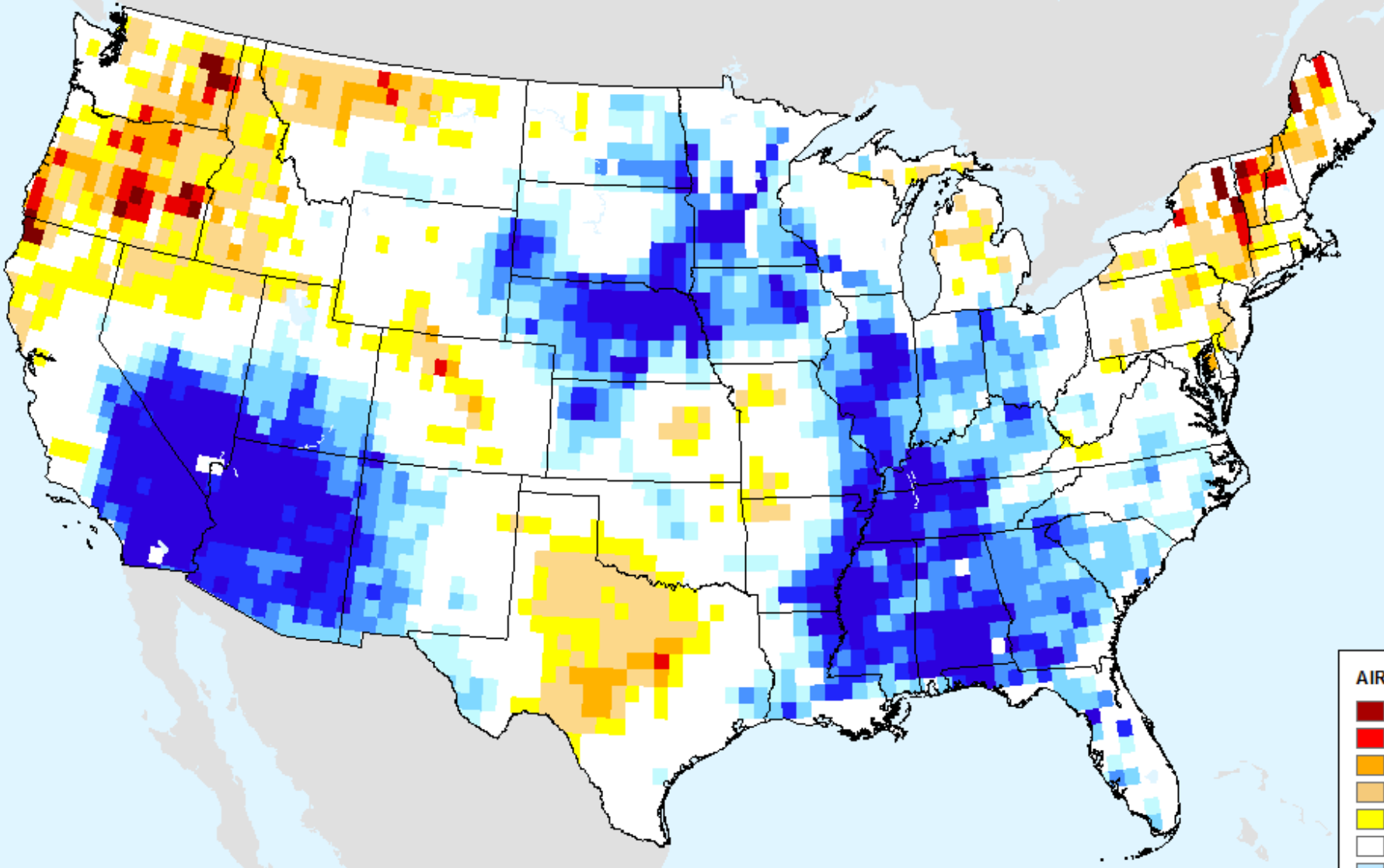
AIRS-Based Surface Relative Humidity 7 Day

As of: Tuesday, July 24, 2018



AIRS-Based Surface Relative Humidity 28 Day

As of: Tuesday, July 24, 2018

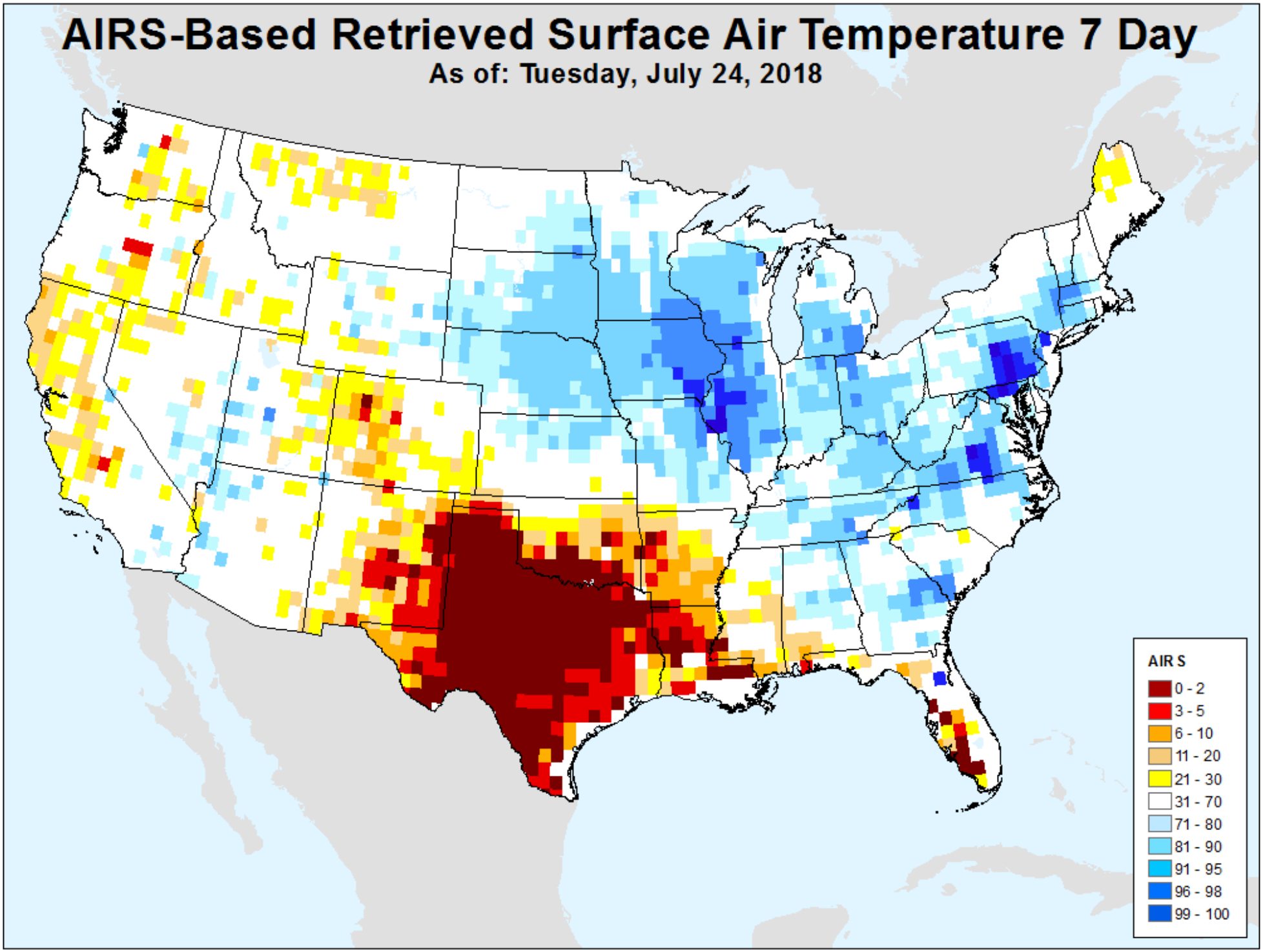


AIR S

- 0 - 2
- 3 - 5
- 6 - 10
- 11 - 20
- 21 - 30
- 31 - 70
- 71 - 80
- 81 - 90
- 91 - 95
- 96 - 98
- 99 - 100

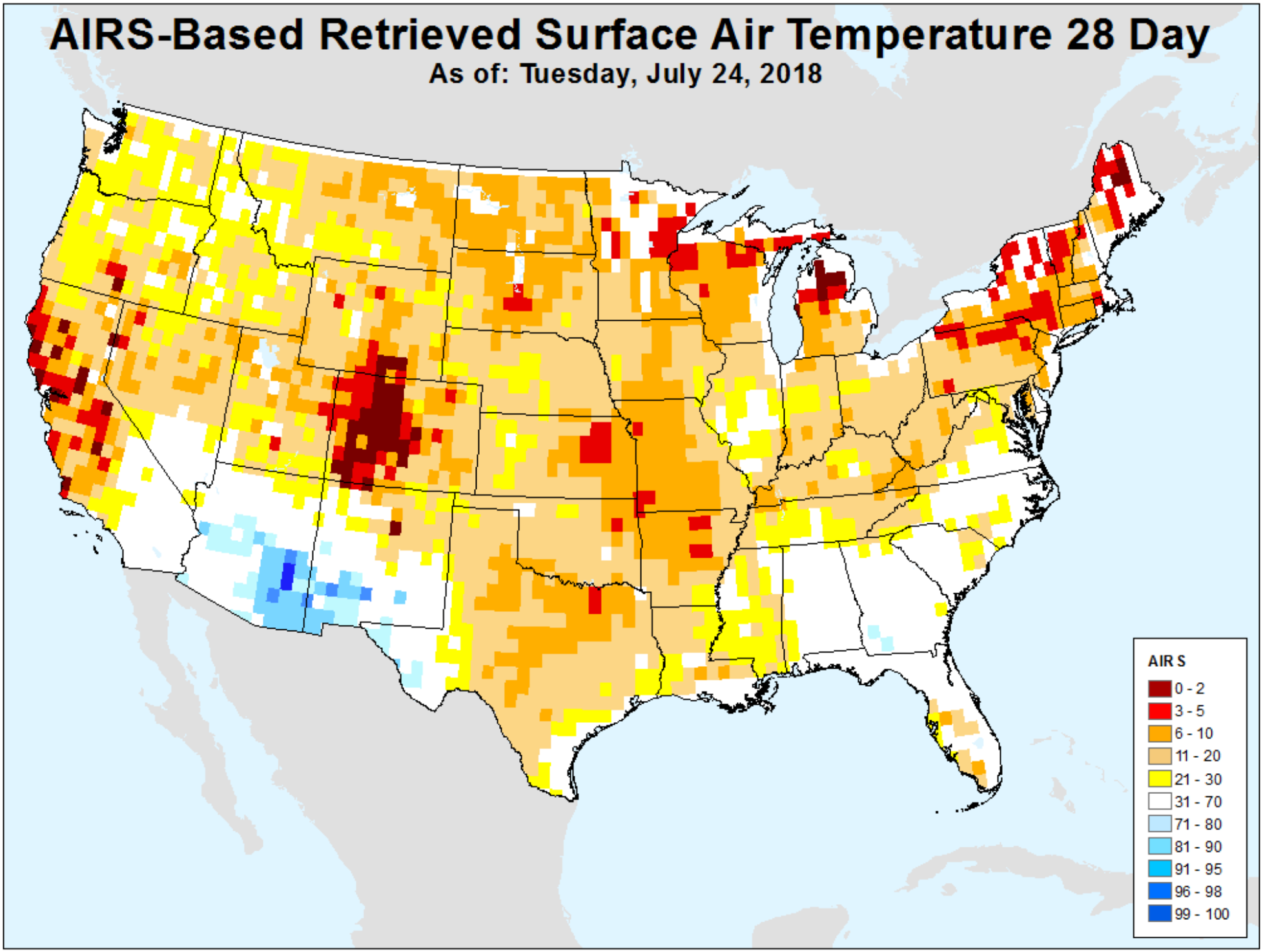
AIRS-Based Retrieved Surface Air Temperature 7 Day

As of: Tuesday, July 24, 2018



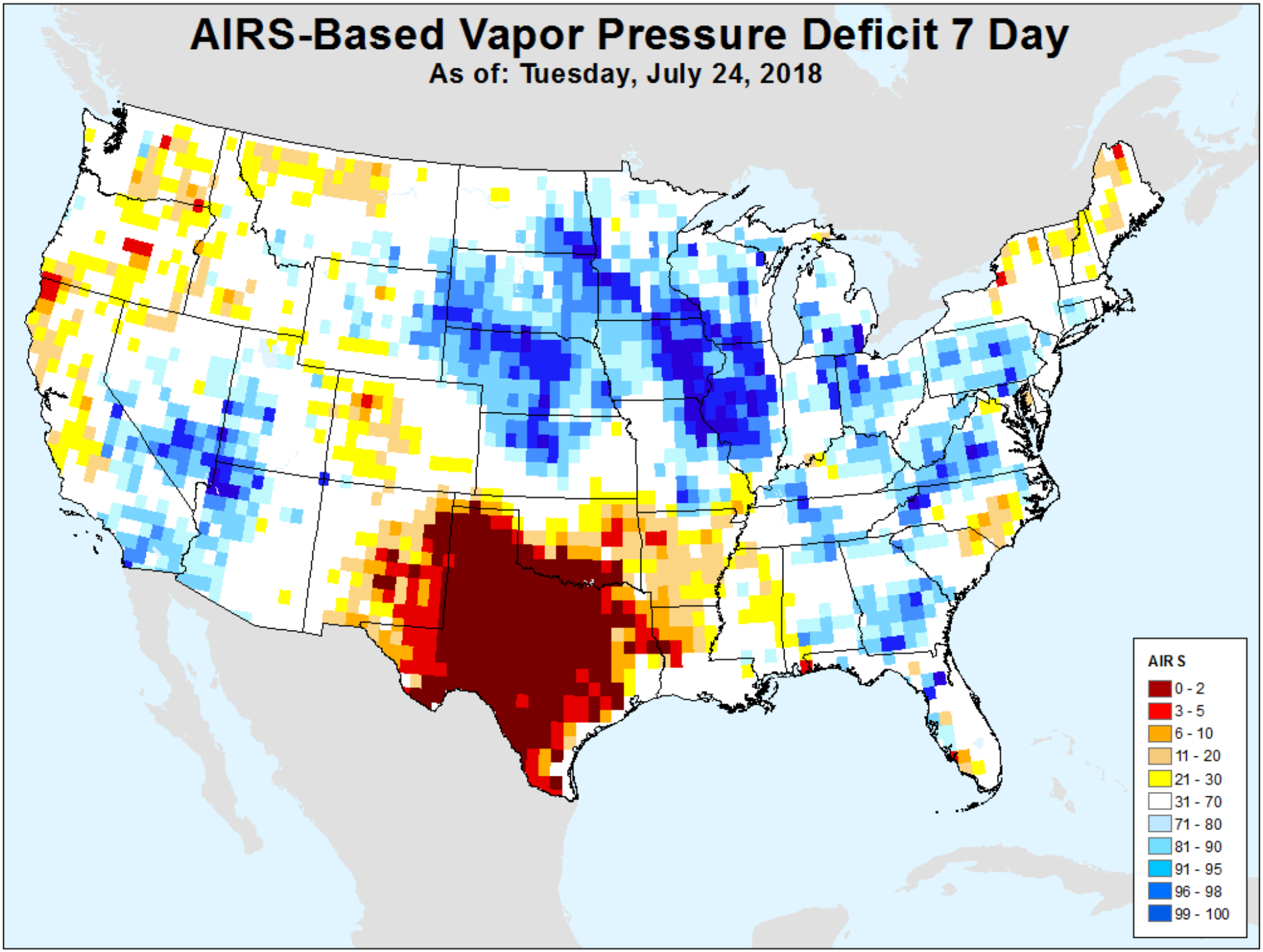
AIRS-Based Retrieved Surface Air Temperature 28 Day

As of: Tuesday, July 24, 2018



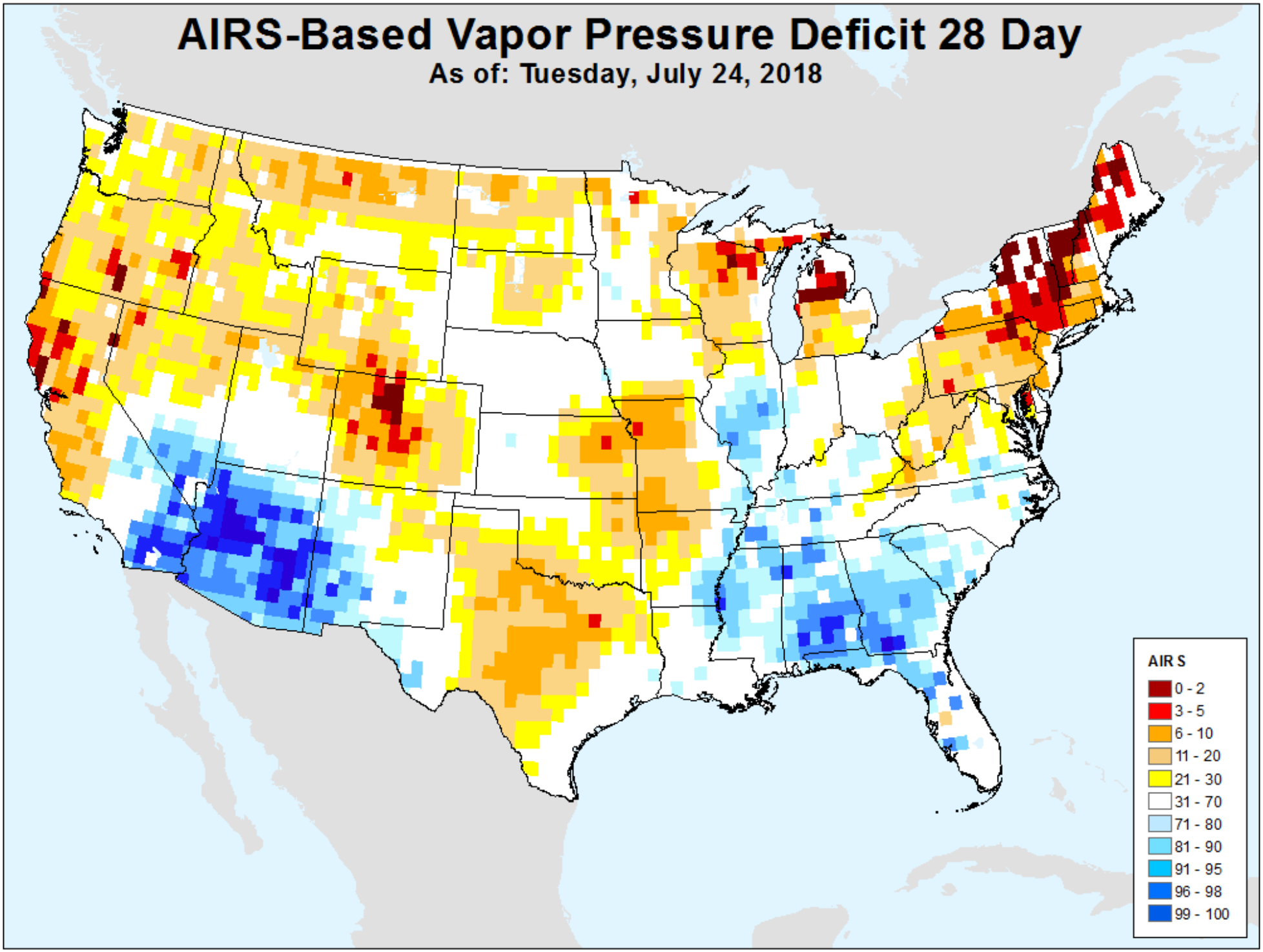
AIRS-Based Vapor Pressure Deficit 7 Day

As of: Tuesday, July 24, 2018

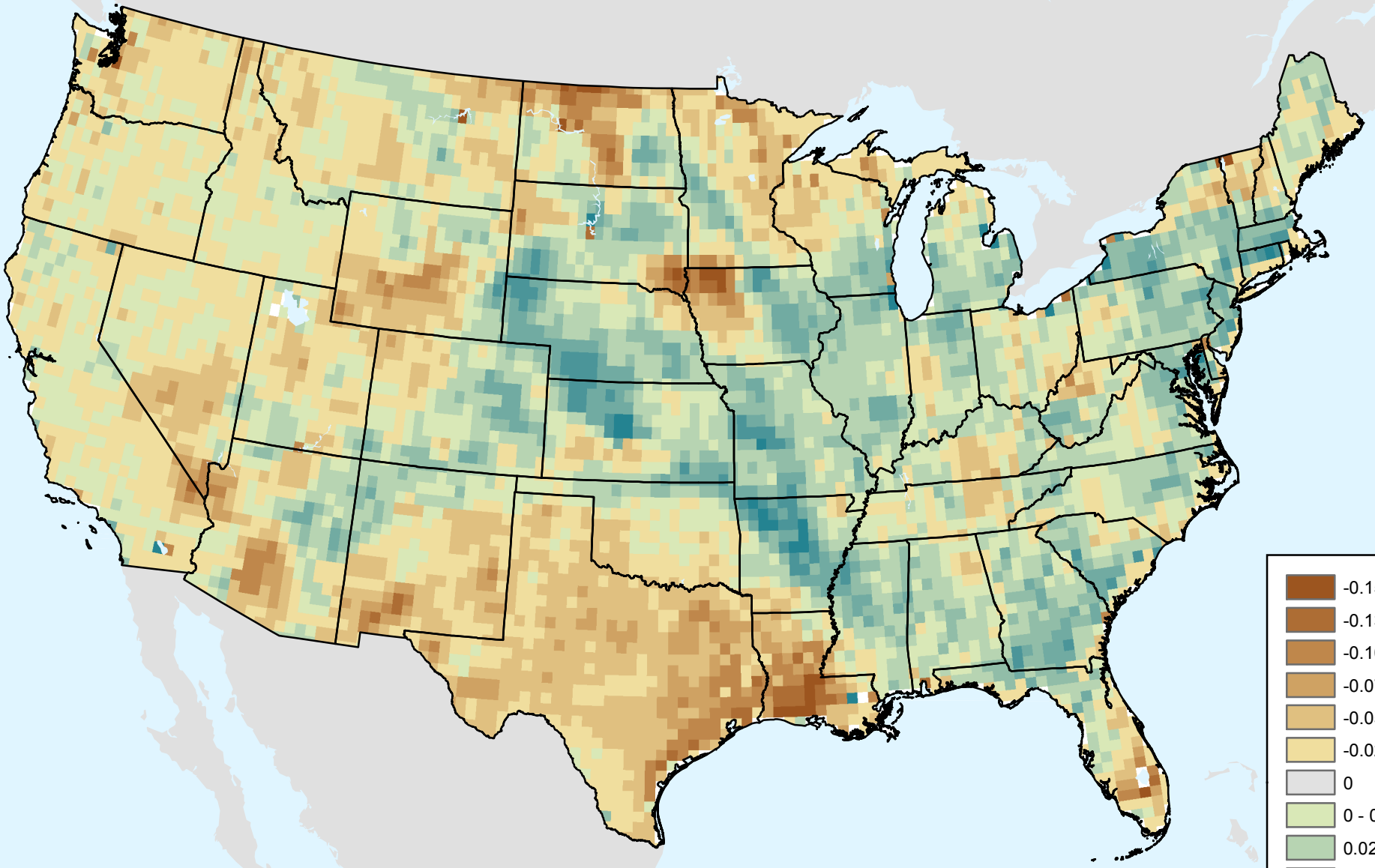


AIRS-Based Vapor Pressure Deficit 28 Day

As of: Tuesday, July 24, 2018



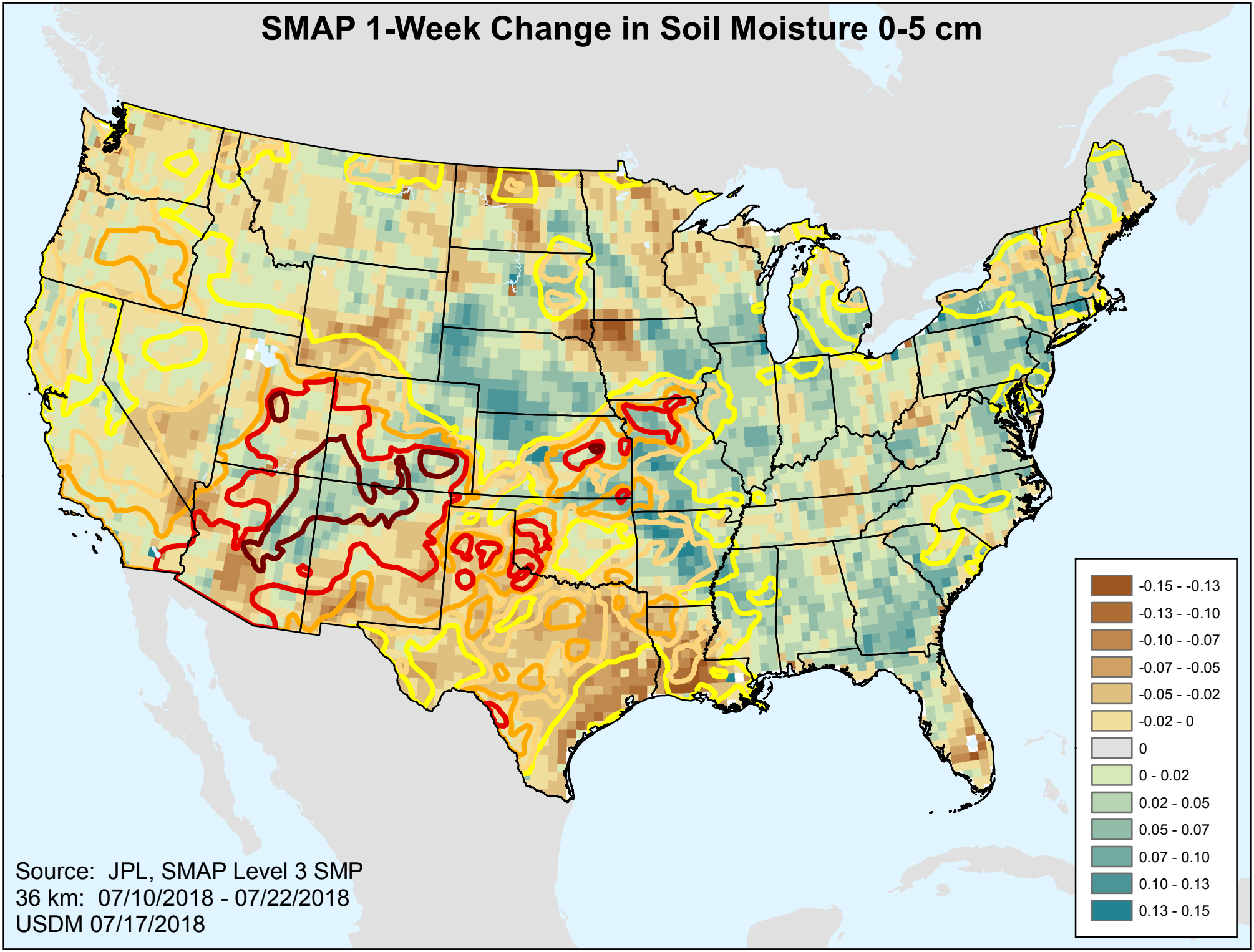
SMAP 1-Week Change in Soil Moisture 0-5 cm



-0.15 - -0.13
-0.13 - -0.10
-0.10 - -0.07
-0.07 - -0.05
-0.05 - -0.02
-0.02 - 0
0
0 - 0.02
0.02 - 0.05
0.05 - 0.07
0.07 - 0.10
0.10 - 0.13
0.13 - 0.15

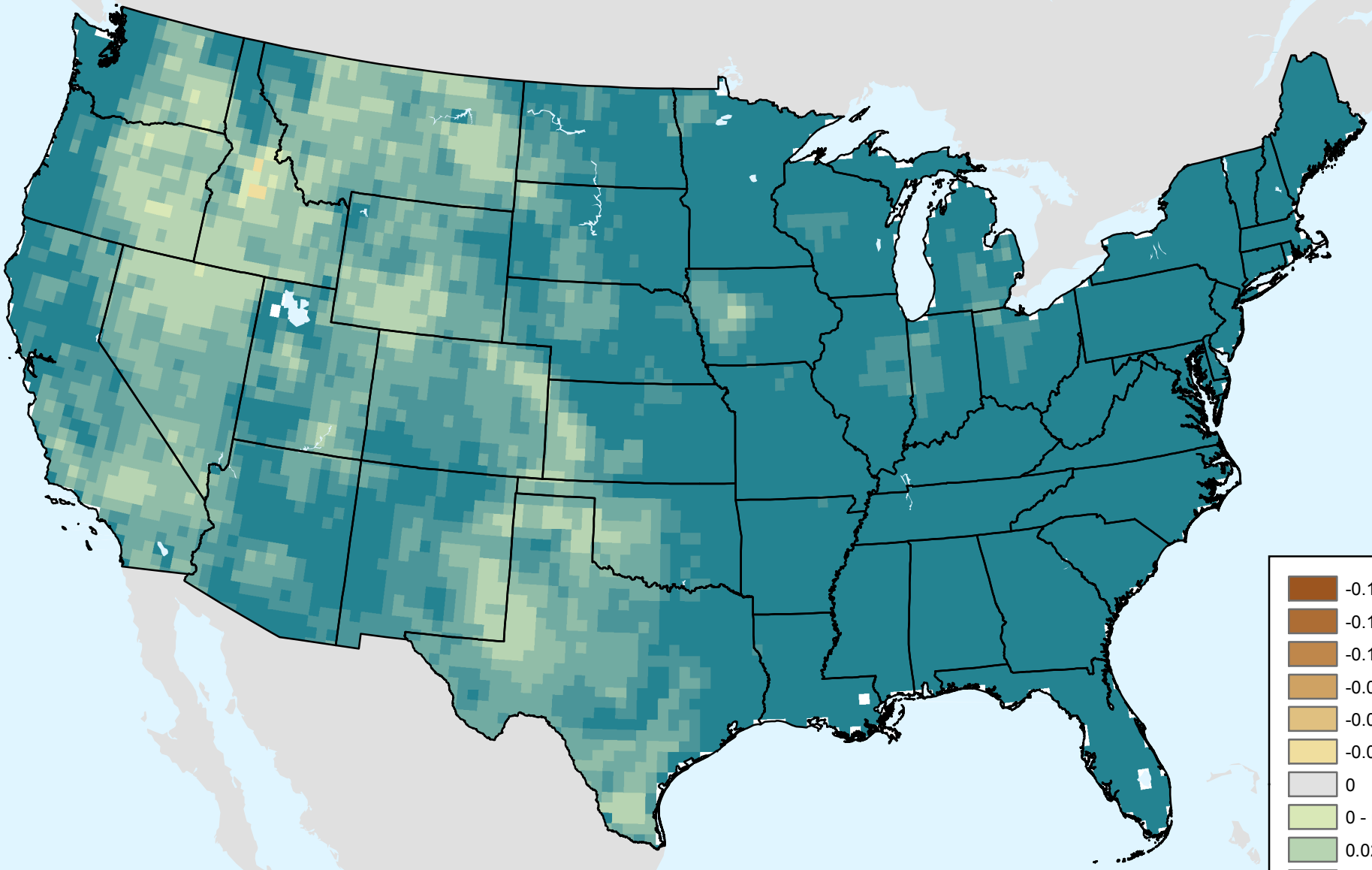
Source: JPL, SMAP Level 3 SMP
36 km: 07/10/2018 - 07/22/2018

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



Source: JPL, SMAP Level 3 SMP
36 km: 07/10/2018 - 07/22/2018
USDM 07/17/2018

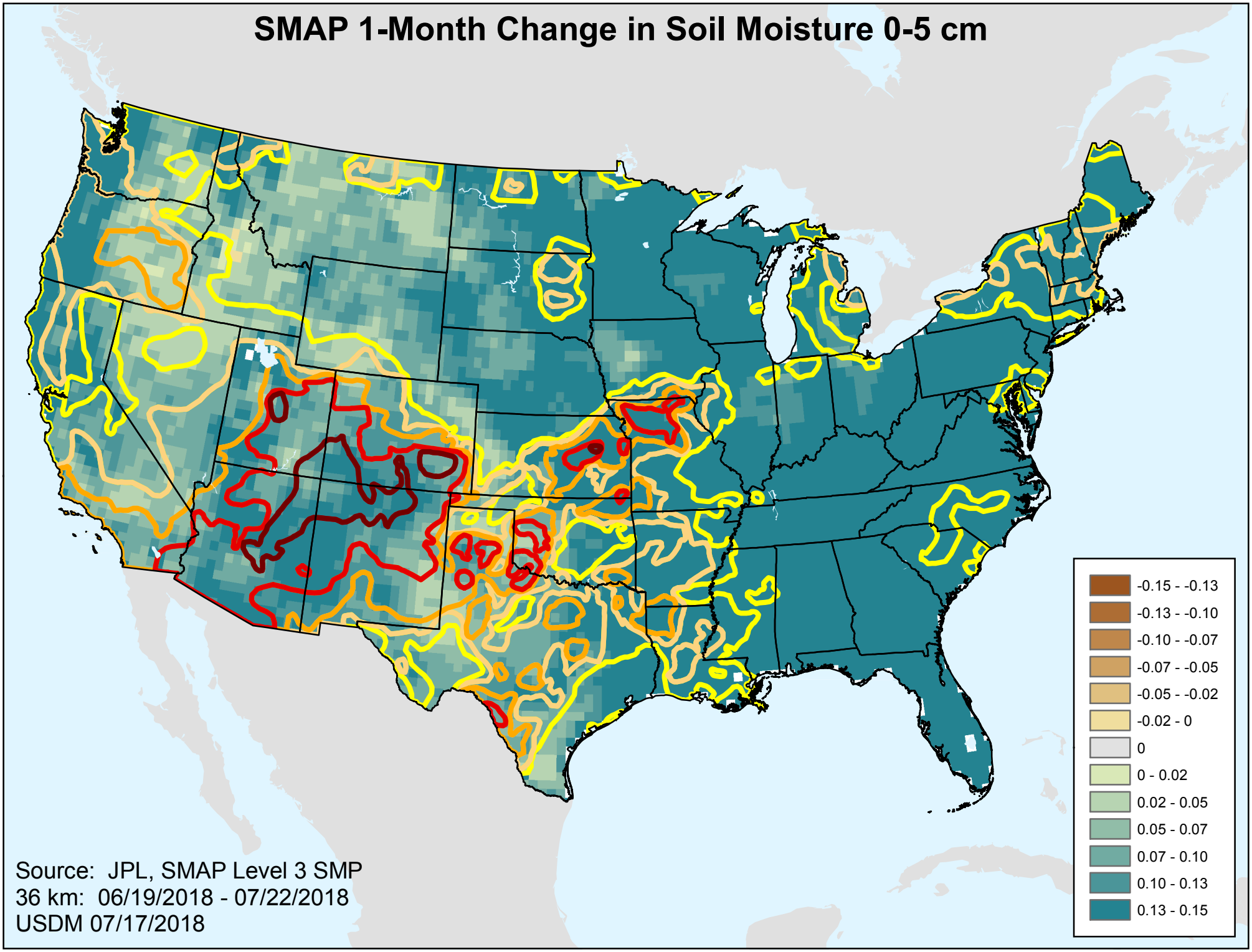
SMAP 1-Month Change in Soil Moisture 0-5 cm



-0.15 - -0.13
-0.13 - -0.10
-0.10 - -0.07
-0.07 - -0.05
-0.05 - -0.02
-0.02 - 0
0
0 - 0.02
0.02 - 0.05
0.05 - 0.07
0.07 - 0.10
0.10 - 0.13
0.13 - 0.15

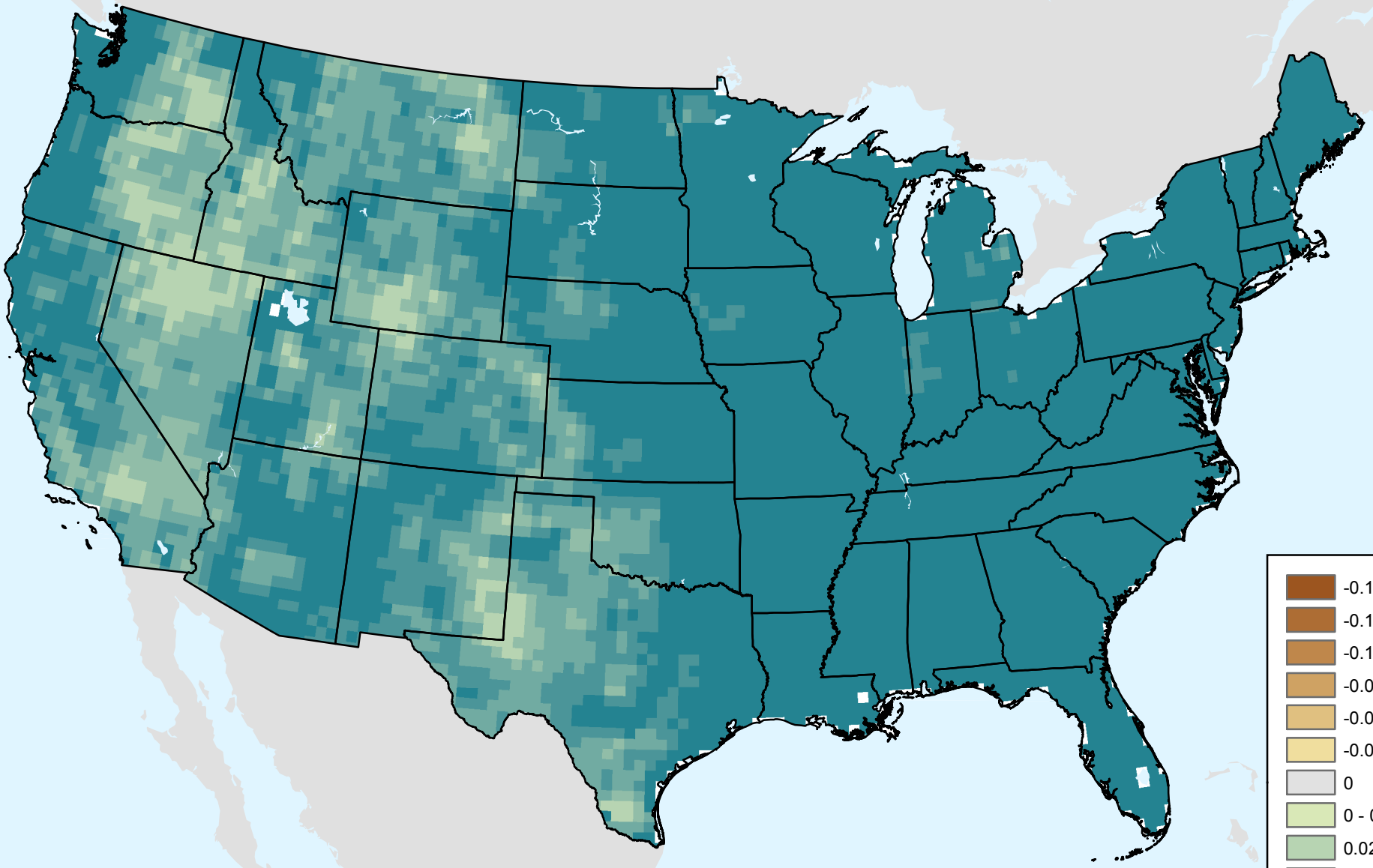
Source: JPL, SMAP Level 3 SMP
36 km: 06/19/2018 - 07/22/2018

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



Source: JPL, SMAP Level 3 SMP
36 km: 06/19/2018 - 07/22/2018
USDM 07/17/2018

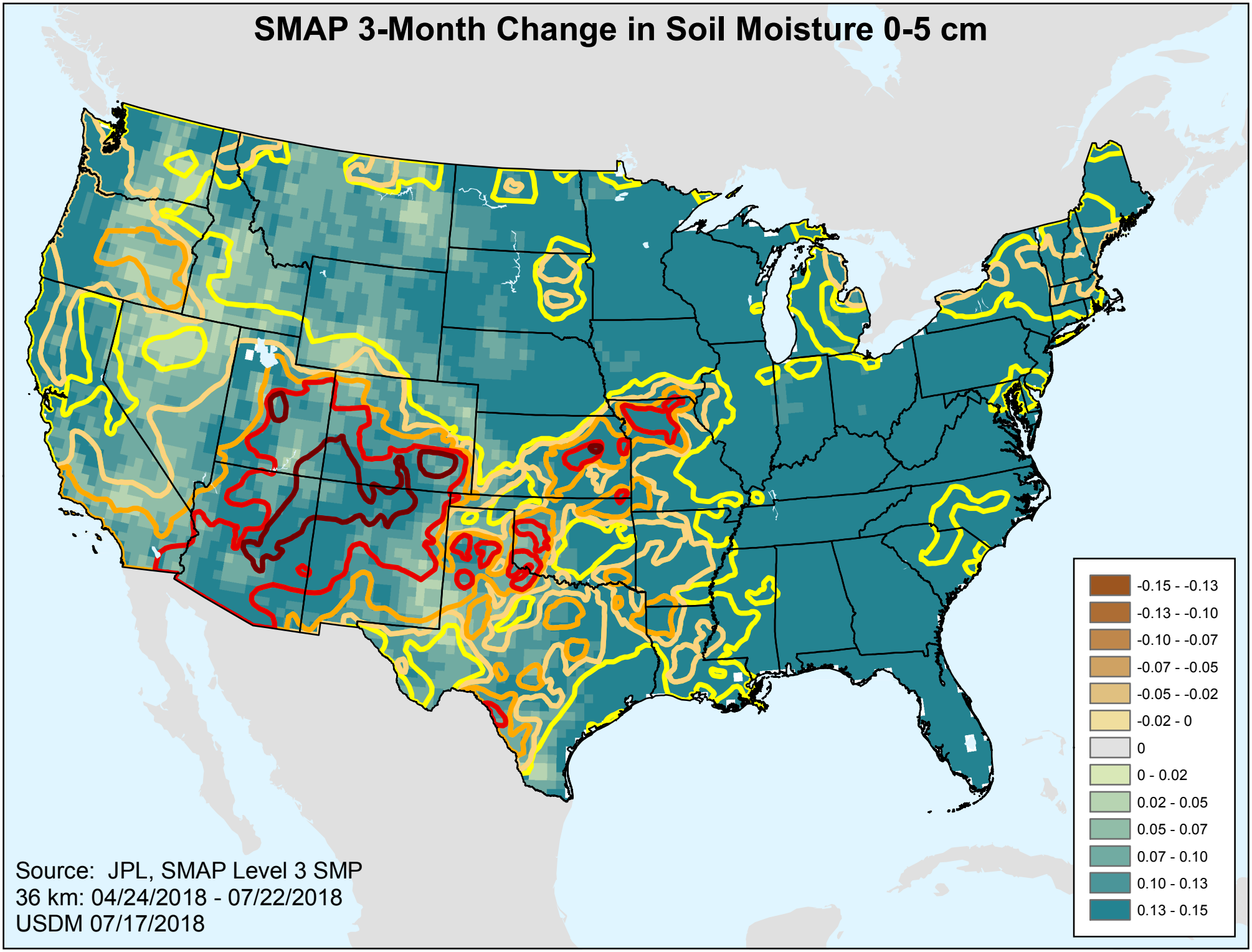
SMAP 3-Month Change in Soil Moisture 0-5 cm



-0.15 - -0.13
-0.13 - -0.10
-0.10 - -0.07
-0.07 - -0.05
-0.05 - -0.02
-0.02 - 0
0
0 - 0.02
0.02 - 0.05
0.05 - 0.07
0.07 - 0.10
0.10 - 0.13
0.13 - 0.15

Source: JPL, SMAP Level 3 SMP
36 km: 04/24/2018 - 07/22/2018

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



Source: JPL, SMAP Level 3 SMP
36 km: 04/24/2018 - 07/22/2018
USDM 07/17/2018