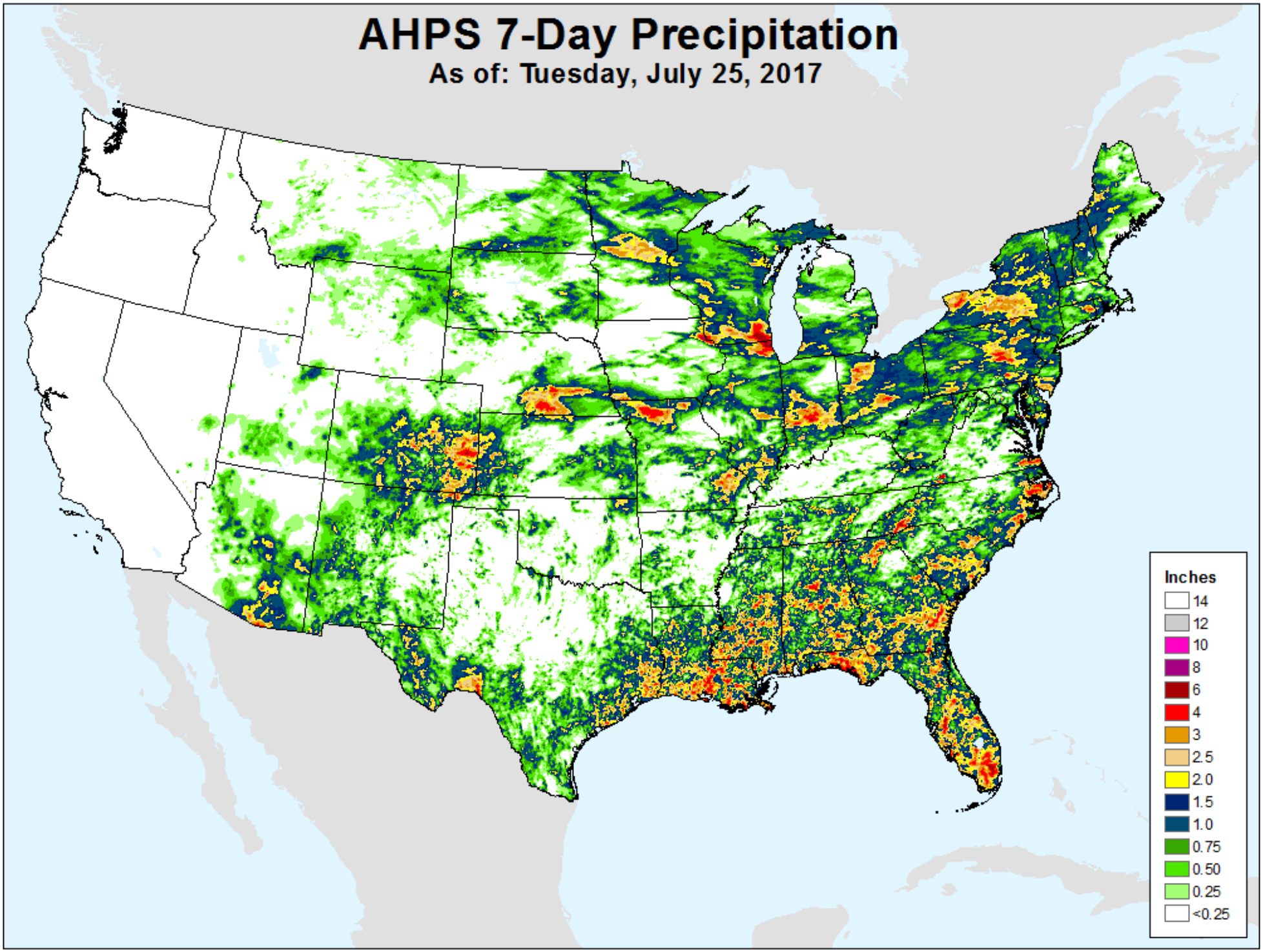
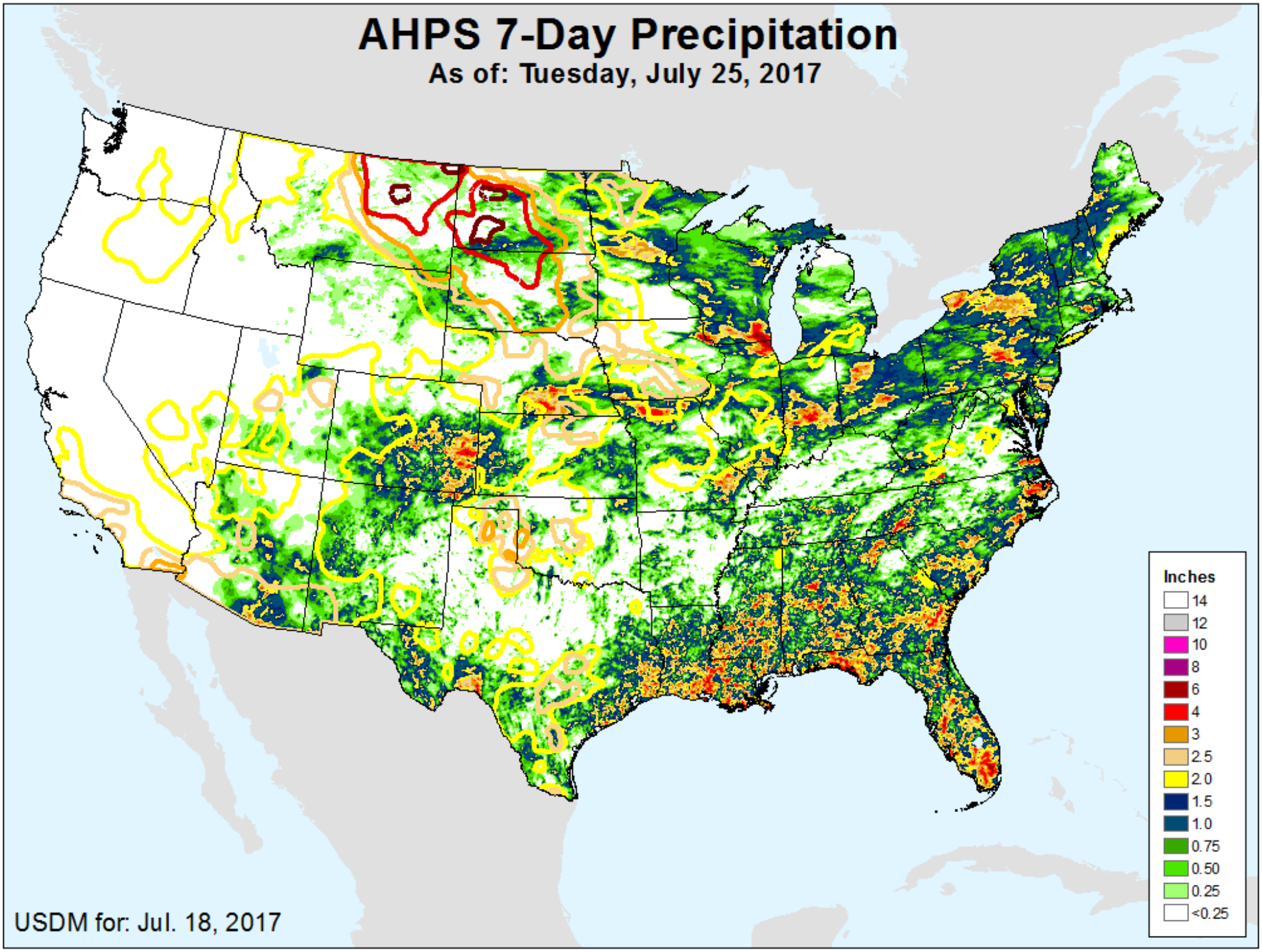
AHPS 7-Day Precipitation

As of: Tuesday, July 25, 2017



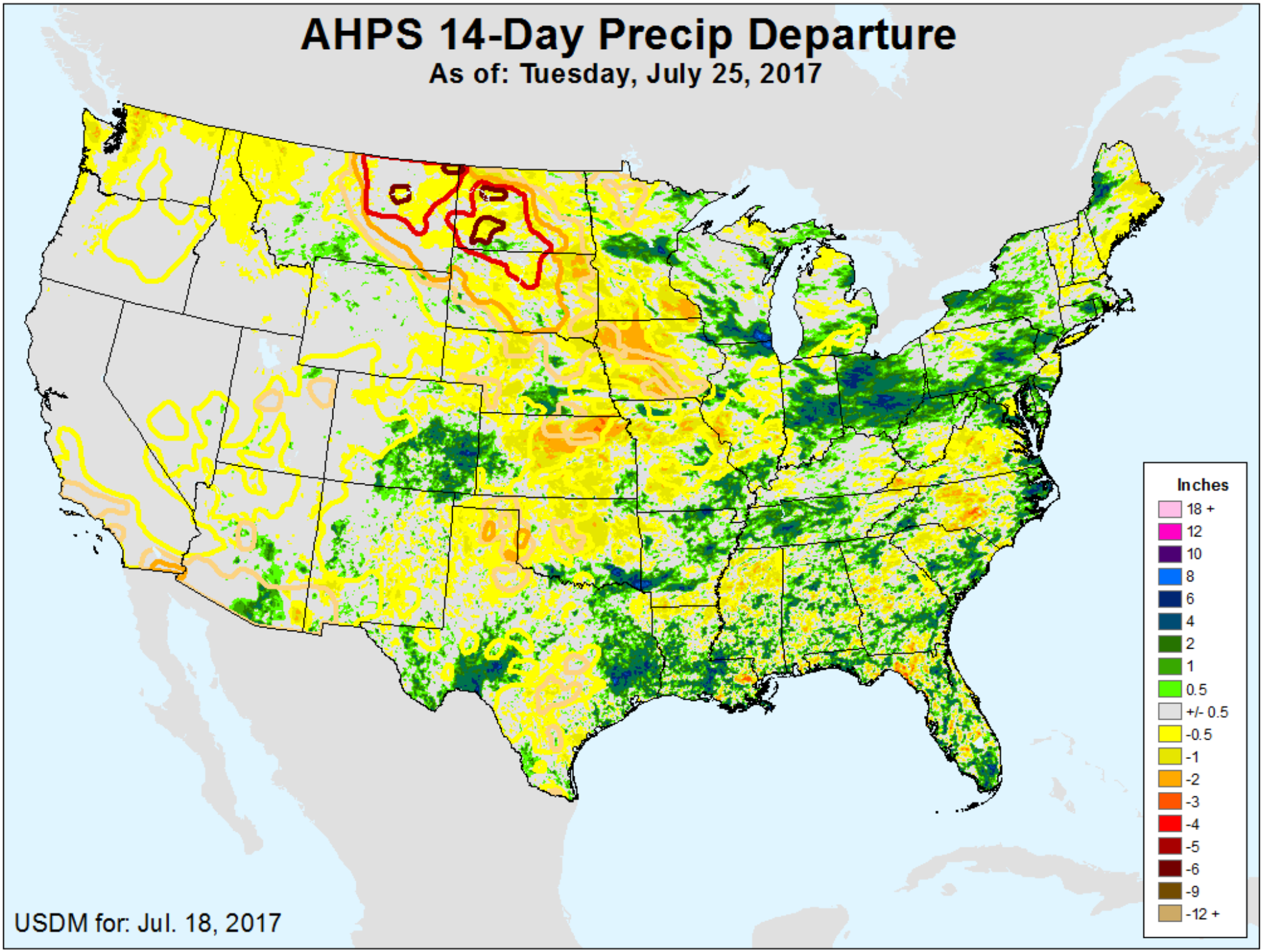
AHPS 7-Day Precipitation

As of: Tuesday, July 25, 2017



AHPS 14-Day Precip Departure

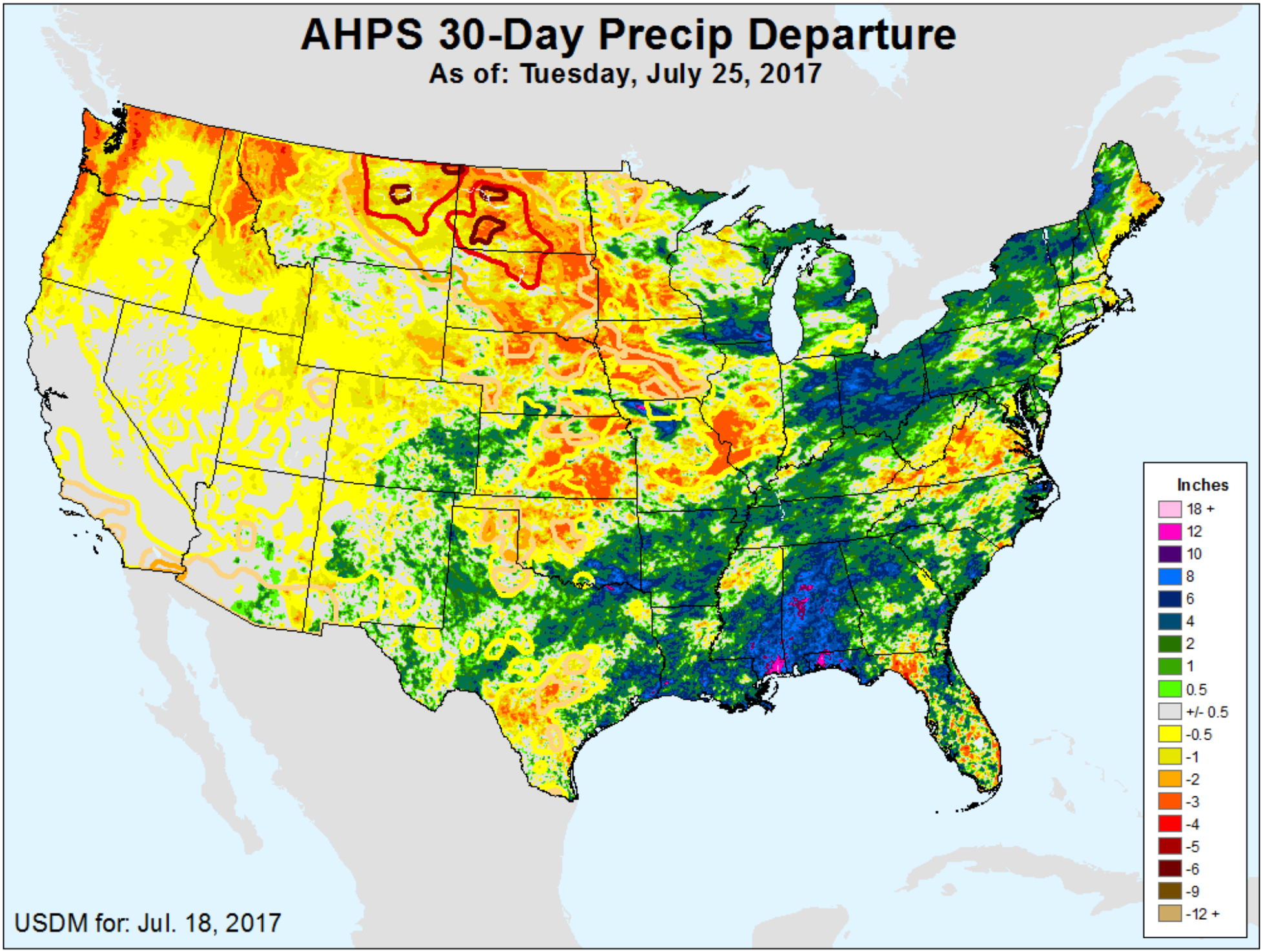
As of: Tuesday, July 25, 2017



USDM for: Jul. 18, 2017

AHPS 30-Day Precip Departure

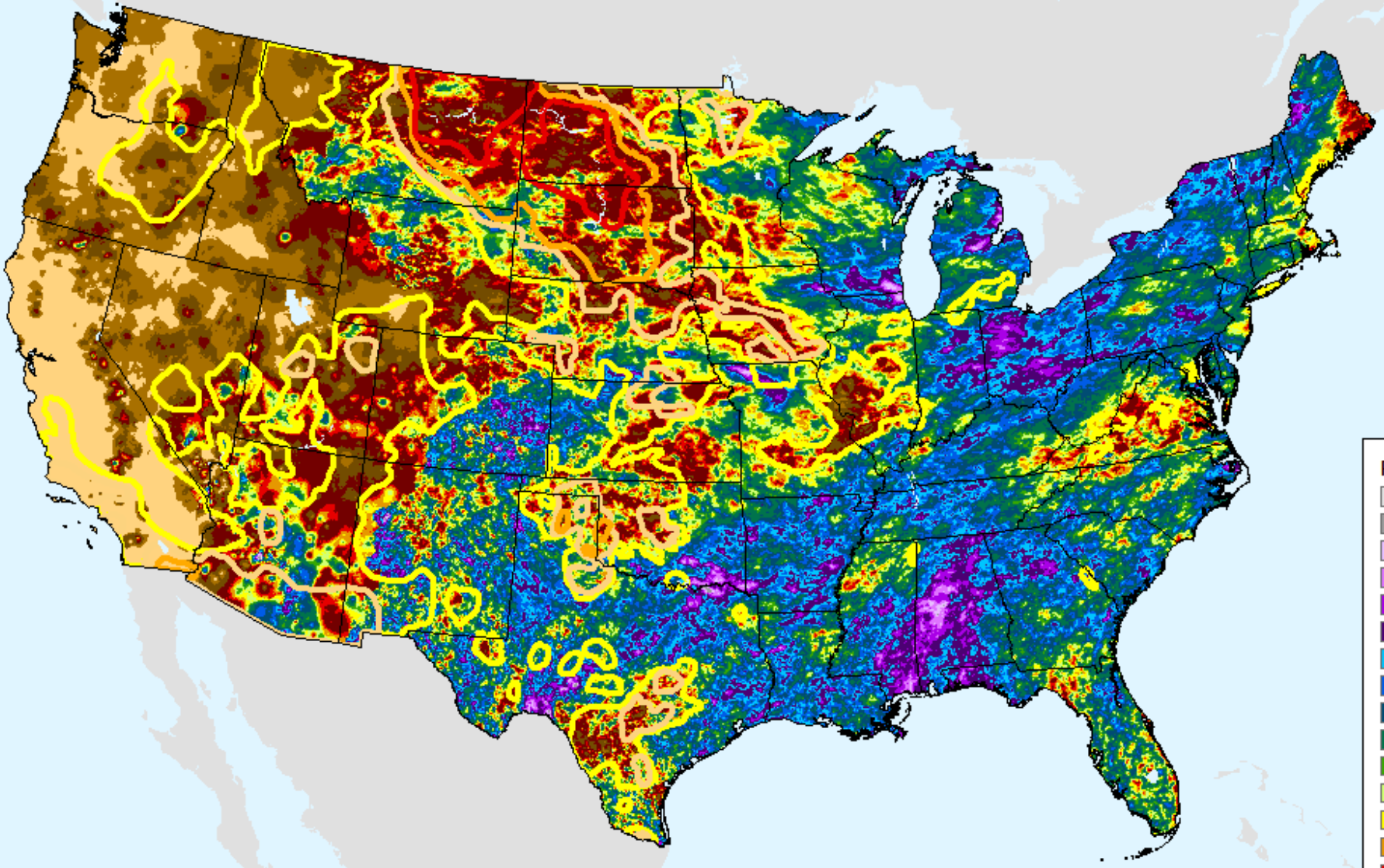
As of: Tuesday, July 25, 2017



USDM for: Jul. 18, 2017

AHPS 30-Day Pct of Normal Pcp

As of: Tuesday, July 25, 2017

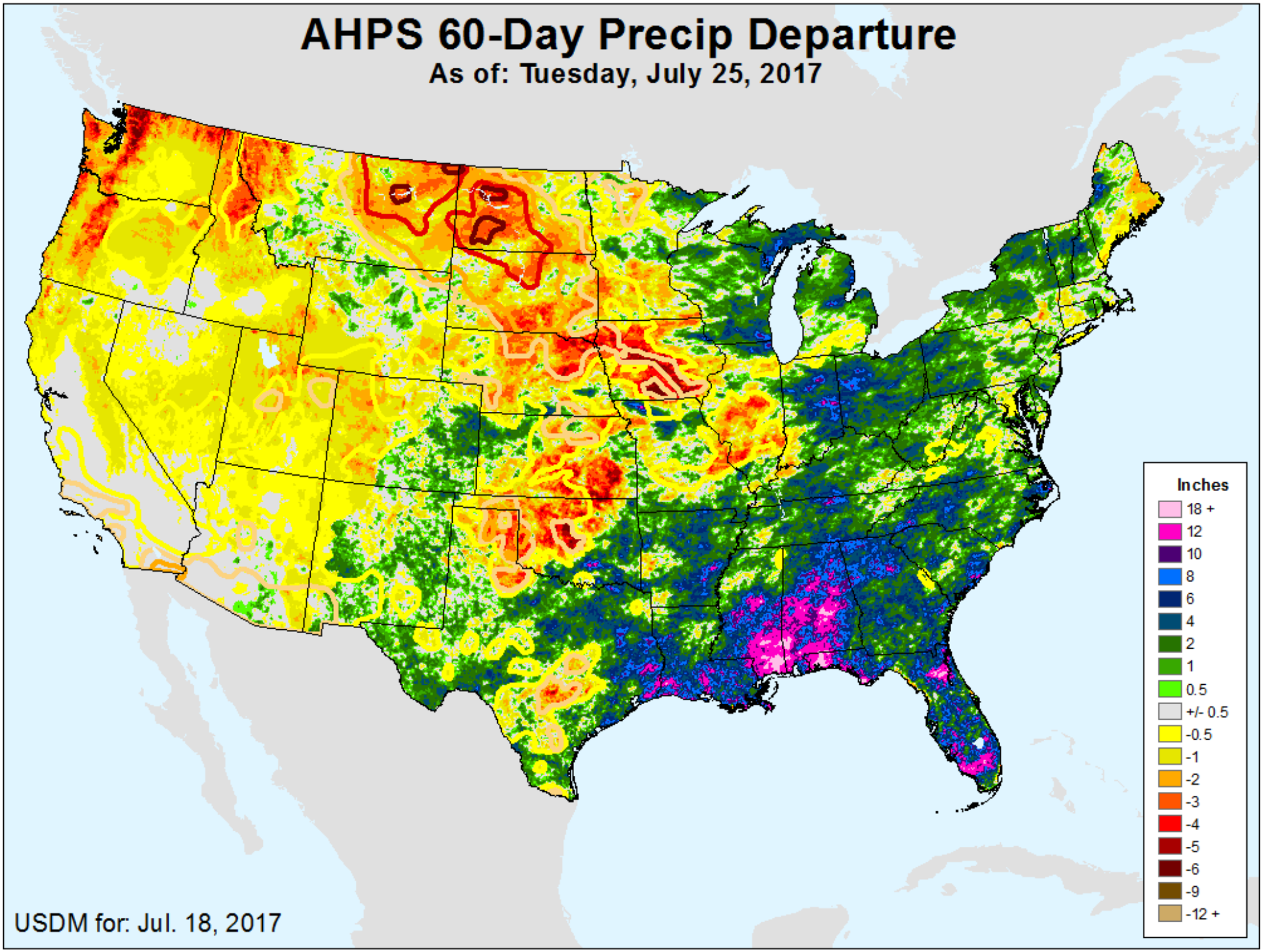


Percent
500
400
350
300
250
200
175
150
125
100
90
80
70
60
50
25
10
1
0

USDM for: Jul. 18, 2017

AHPS 60-Day Precip Departure

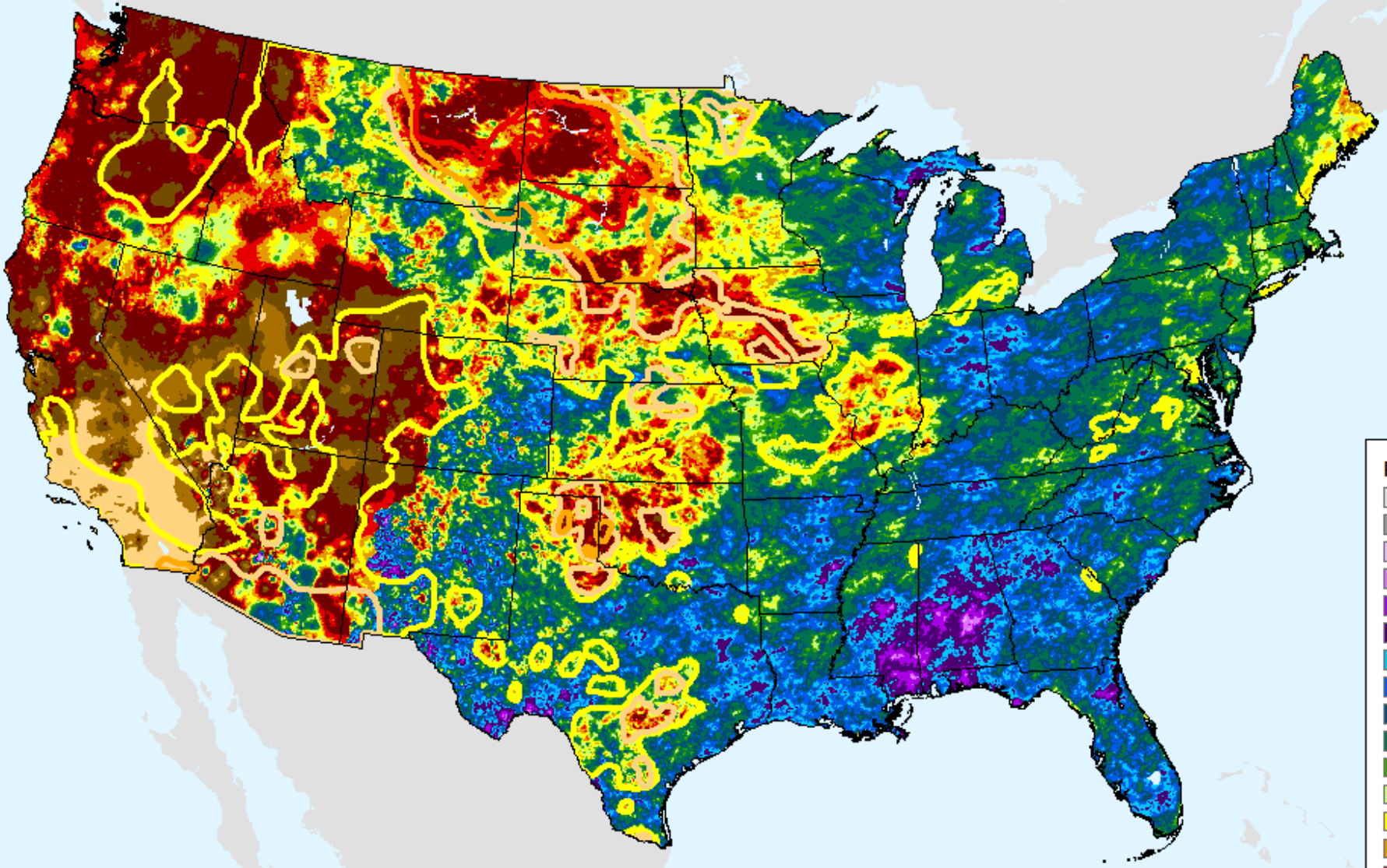
As of: Tuesday, July 25, 2017



USDM for: Jul. 18, 2017

AHPS 60-Day Pct of Normal Pcp

As of: Tuesday, July 25, 2017

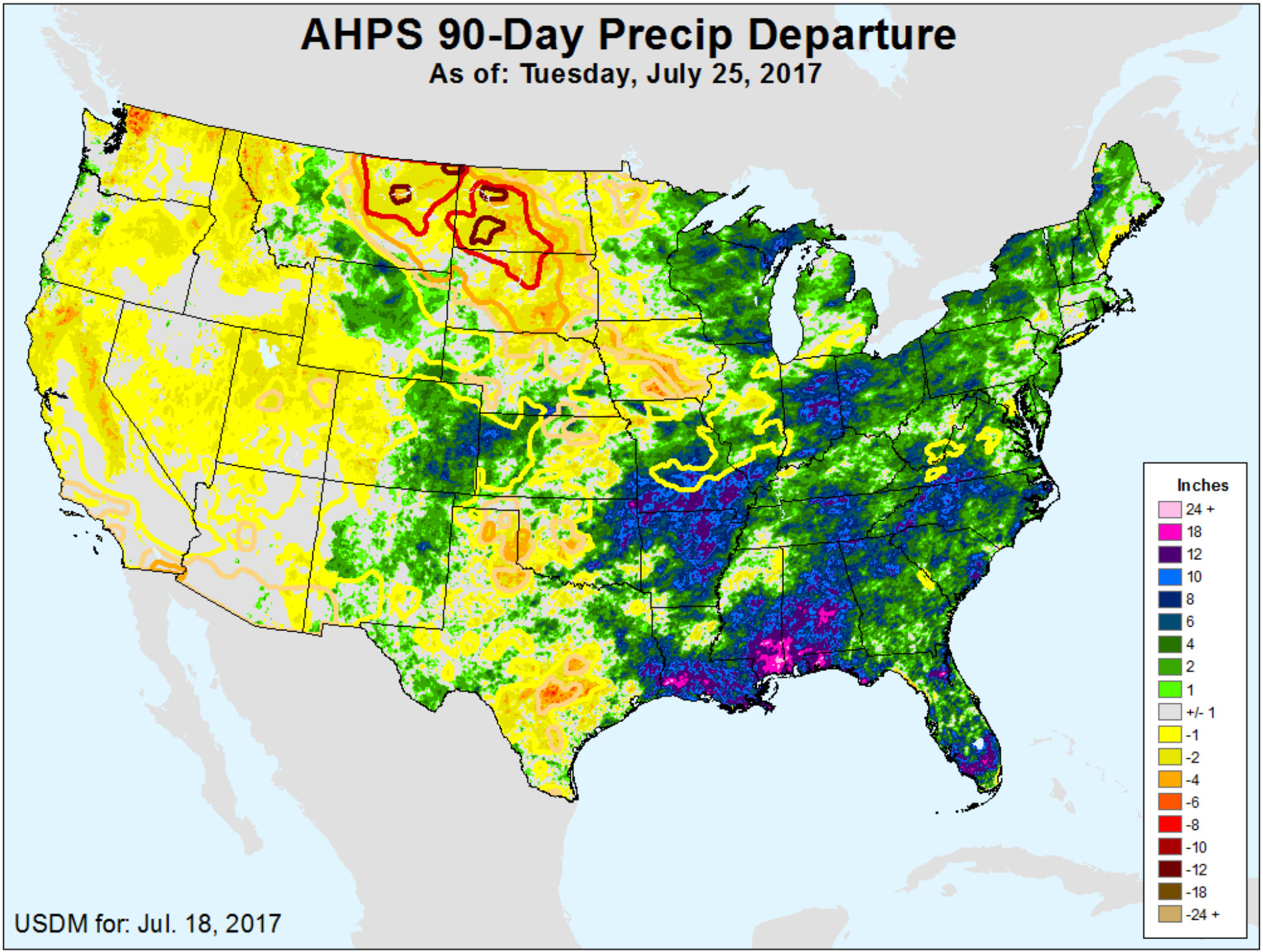


Percent
500
400
350
300
250
200
175
150
125
100
90
80
70
60
50
25
10
1
0

USDM for: Jul. 18, 2017

AHPS 90-Day Precip Departure

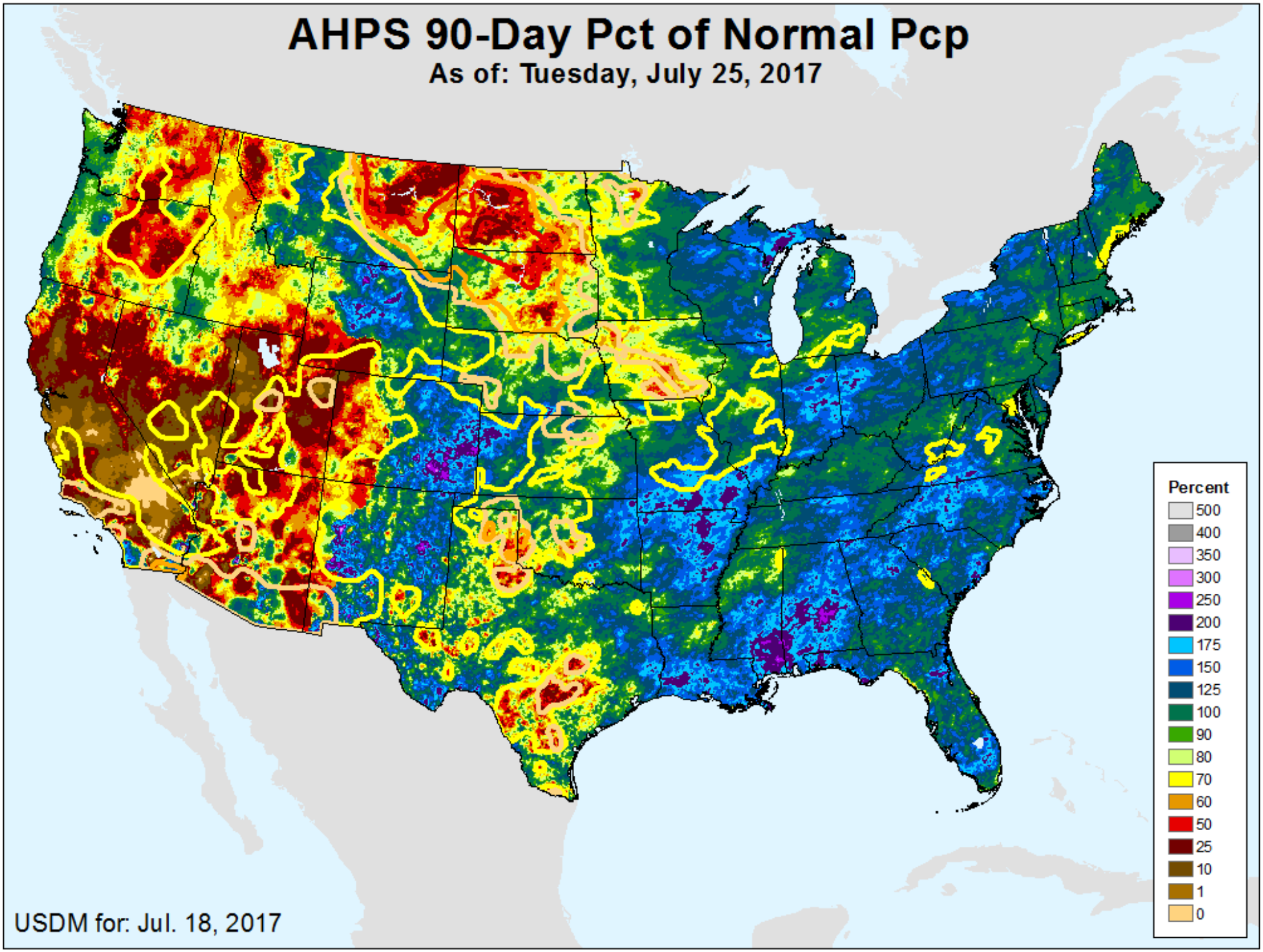
As of: Tuesday, July 25, 2017



USDM for: Jul. 18, 2017

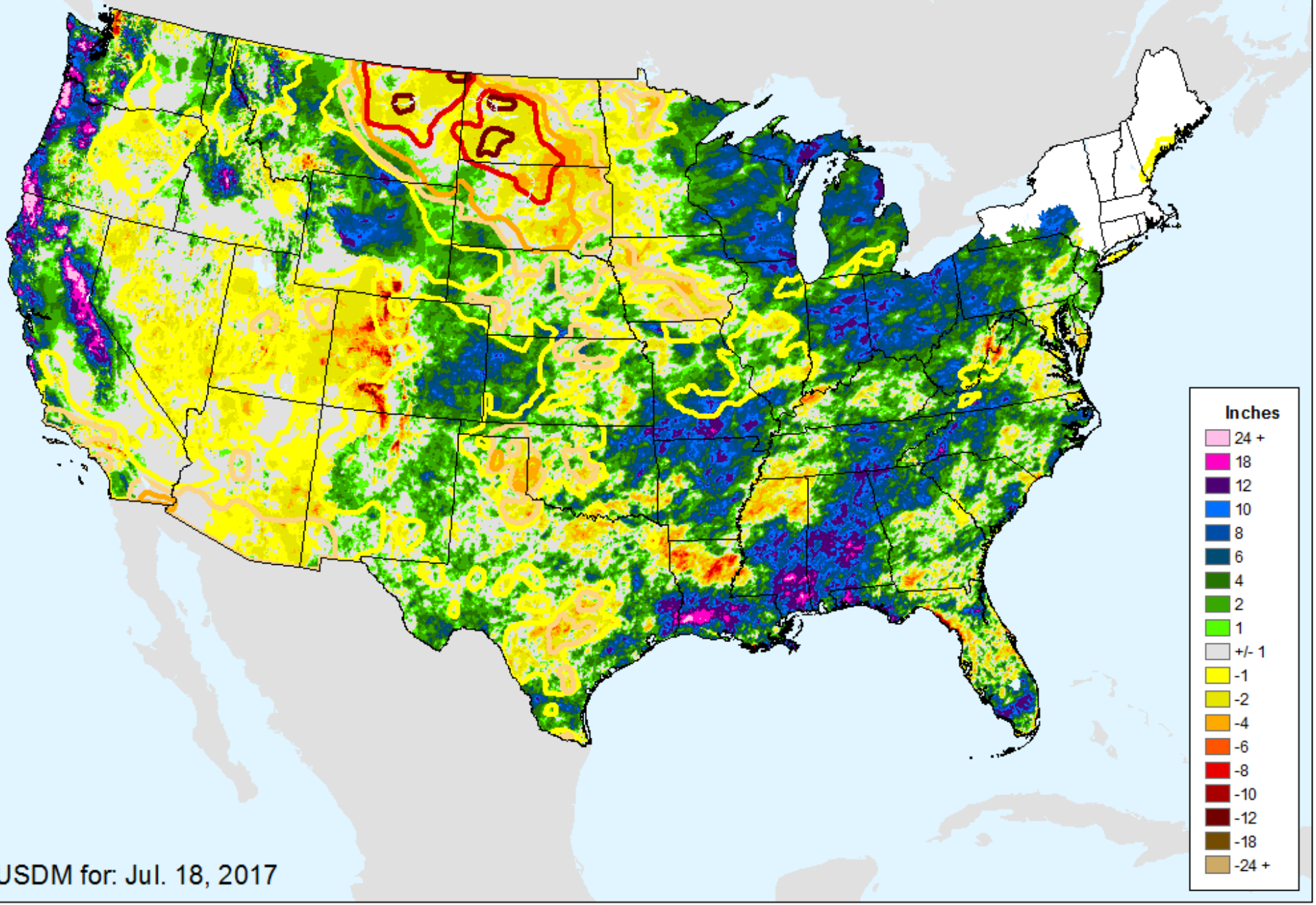
AHPS 90-Day Pct of Normal Pcp

As of: Tuesday, July 25, 2017

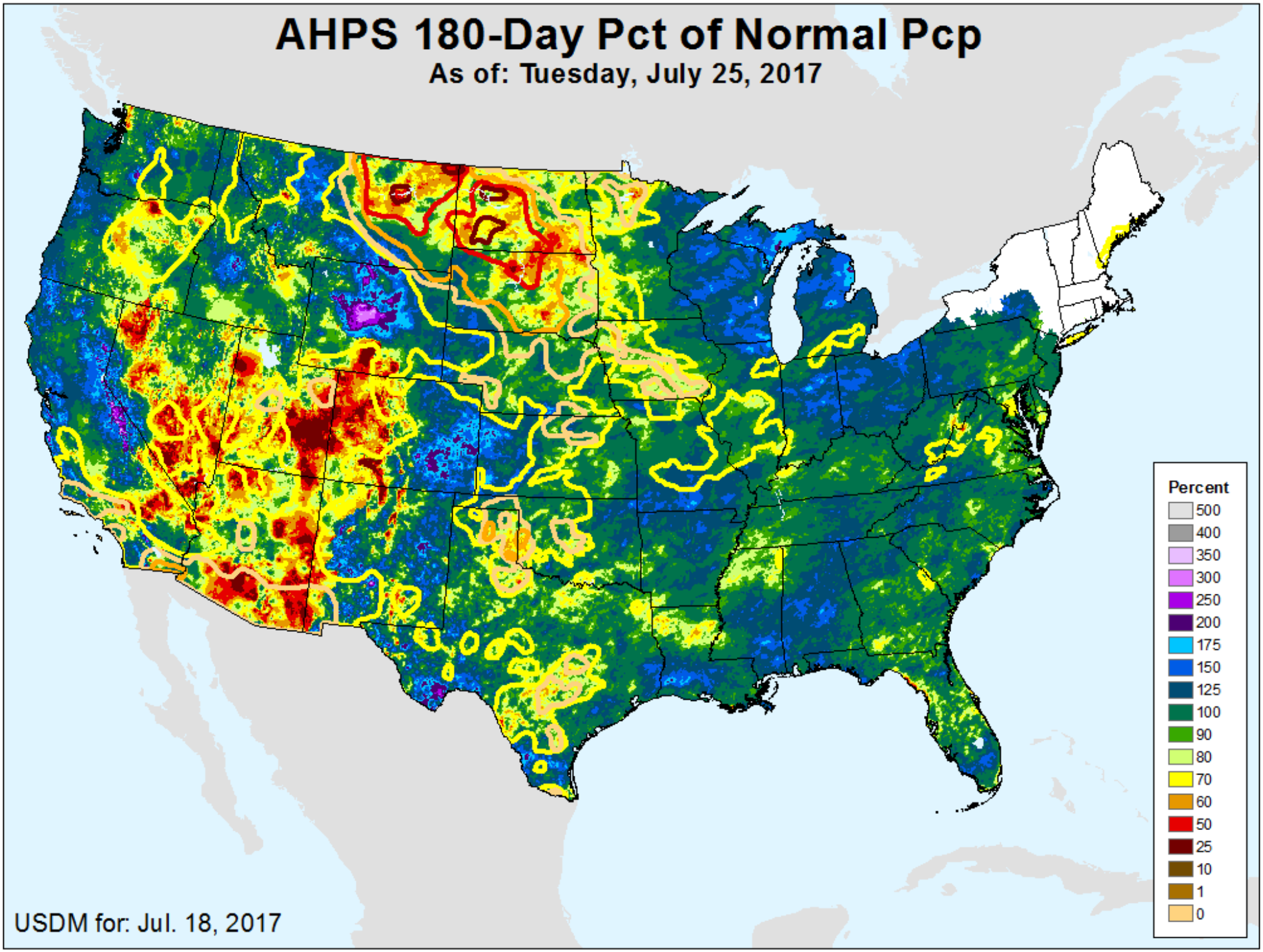


AHPS 180-Day Precip Departure

As of: Tuesday, July 25, 2017

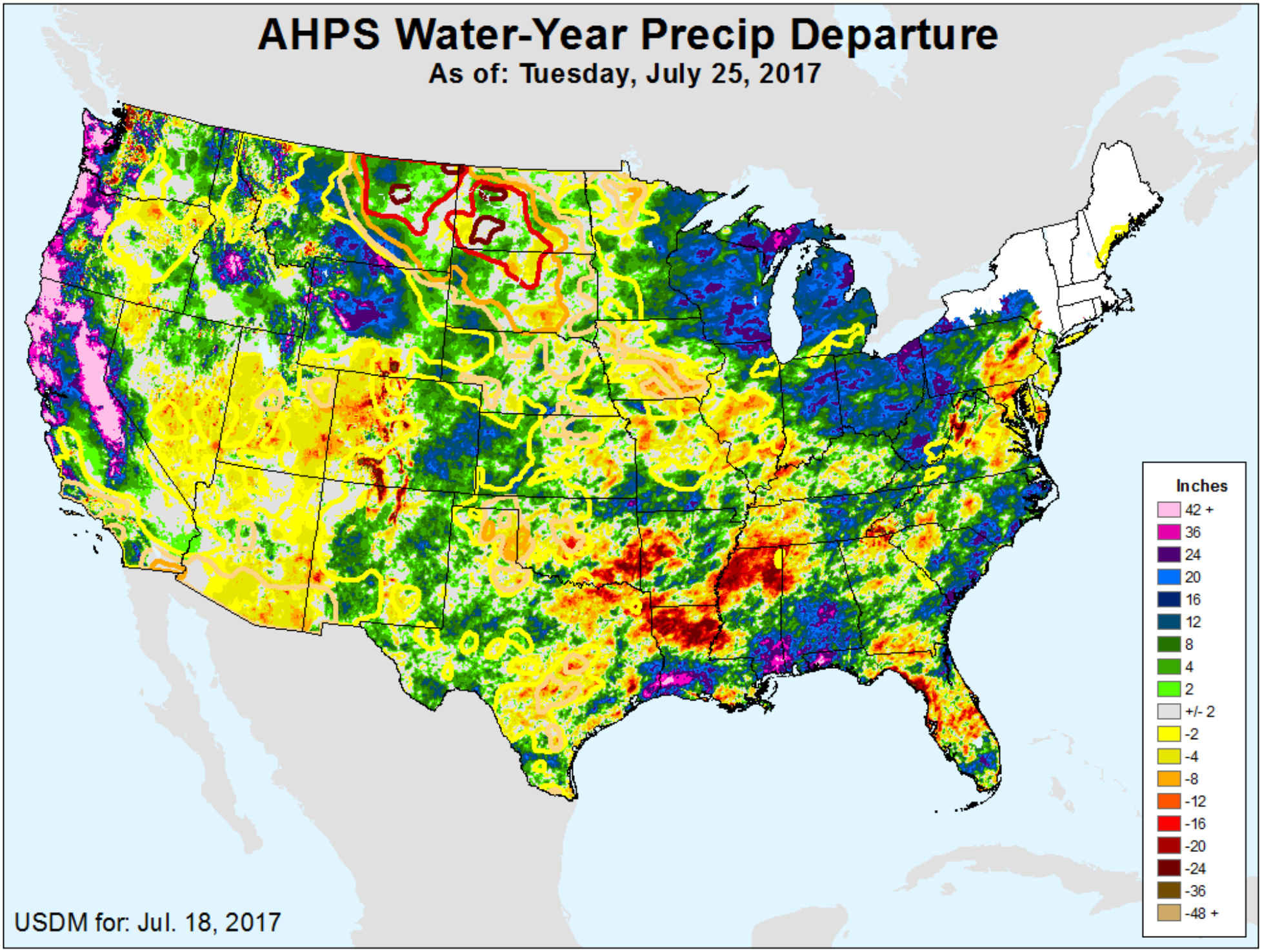


USDM for: Jul. 18, 2017


AHPS 180-Day Pct of Normal Pcp
As of: Tuesday, July 25, 2017
Percent
500
400
350
300
250
200
175
150
125
100
90
80
70
60
50
25
10
1
0
USDM for: Jul. 18, 2017

AHPS Water-Year Precip Departure

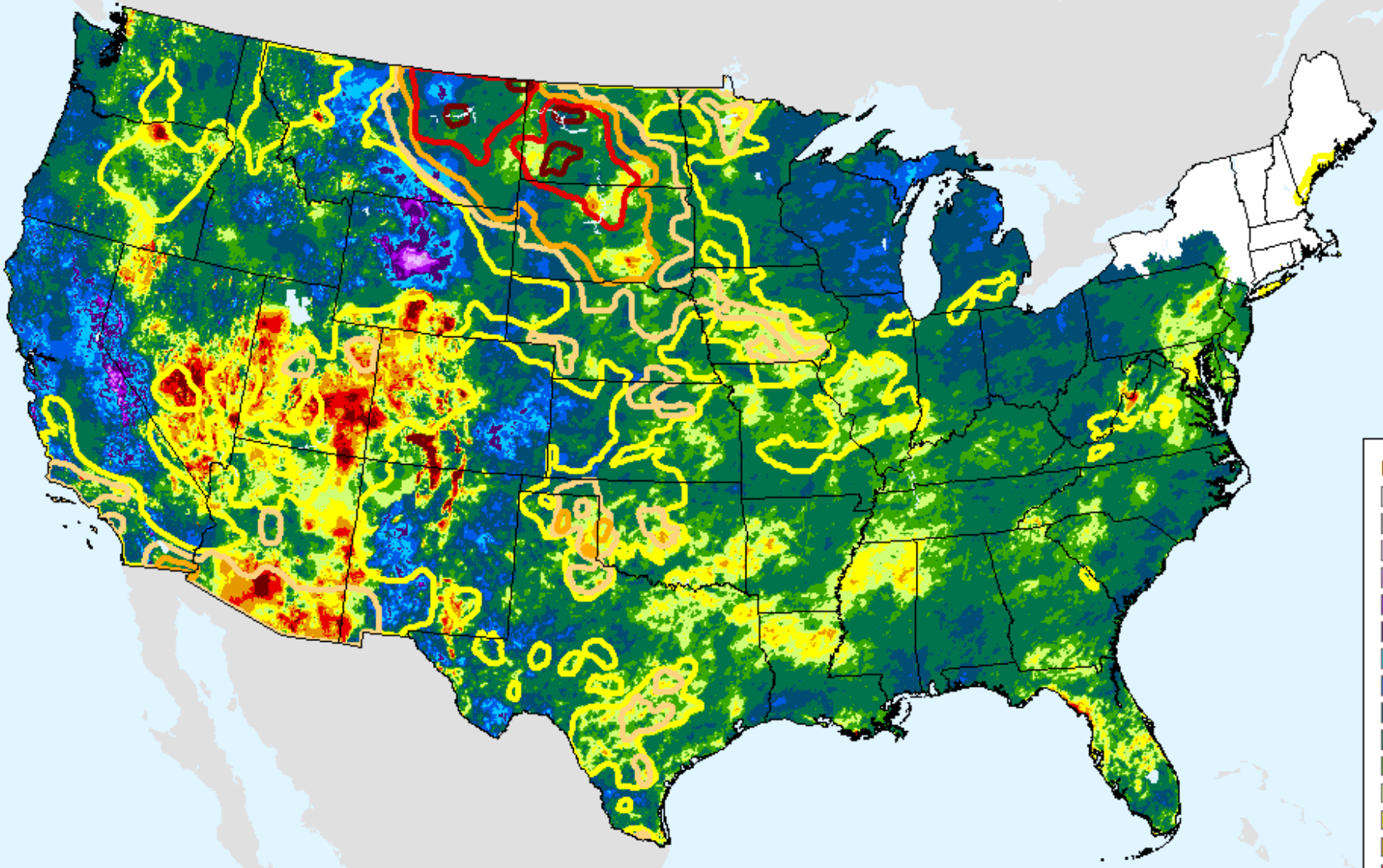
As of: Tuesday, July 25, 2017



USDM for: Jul. 18, 2017

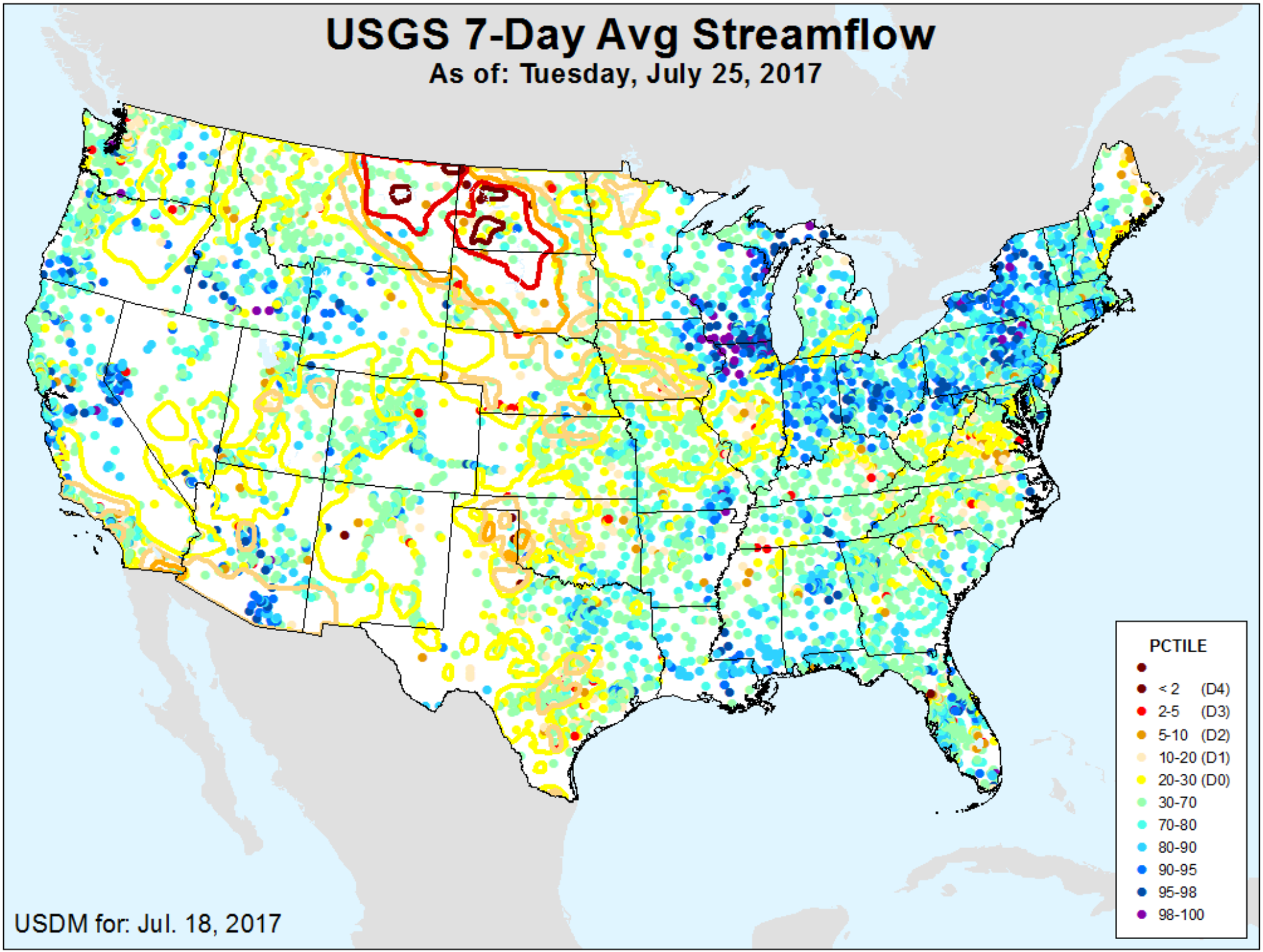
AHPS Water-Year Pct of Normal Pcp

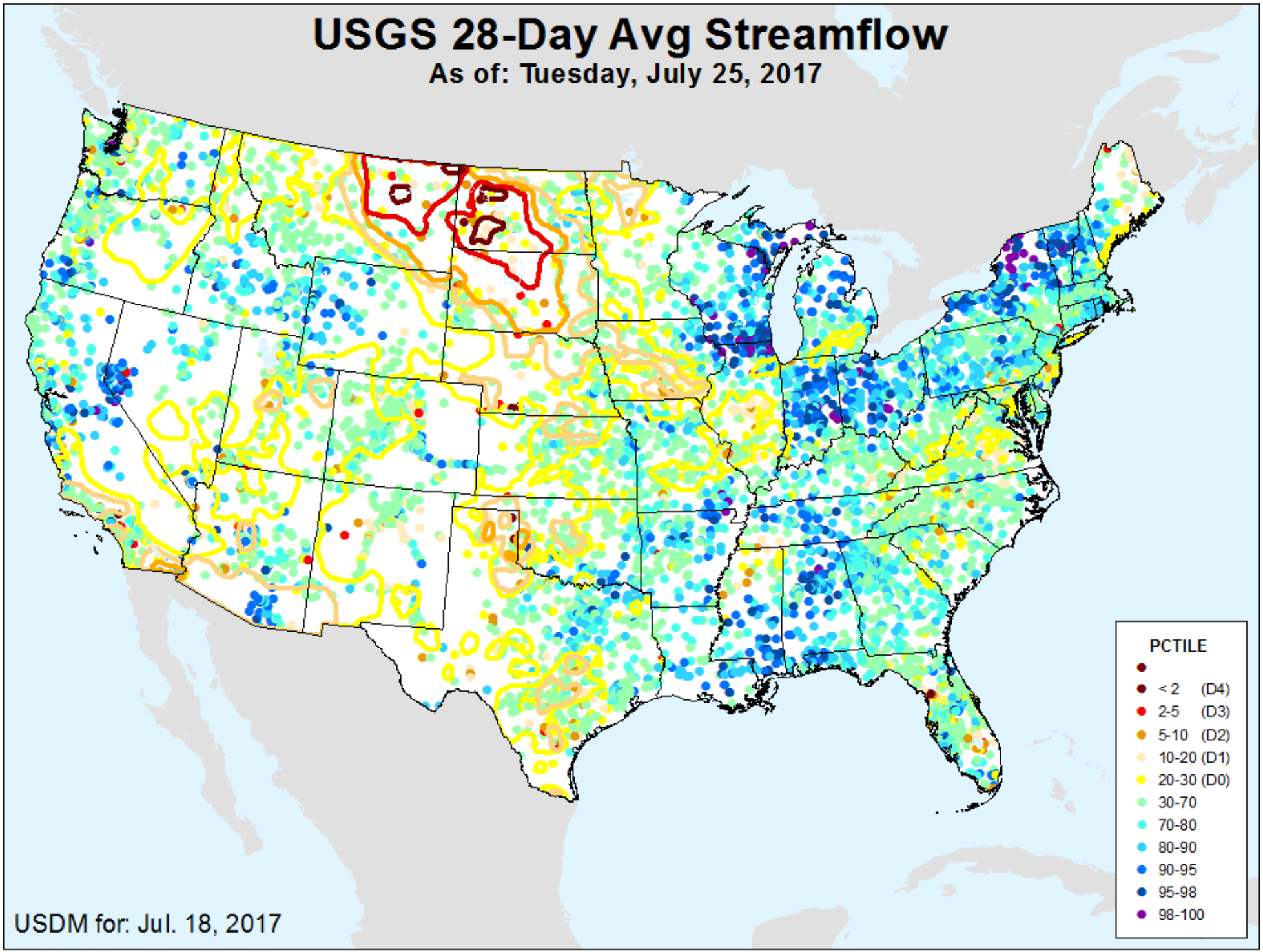
As of: Tuesday, July 25, 2017

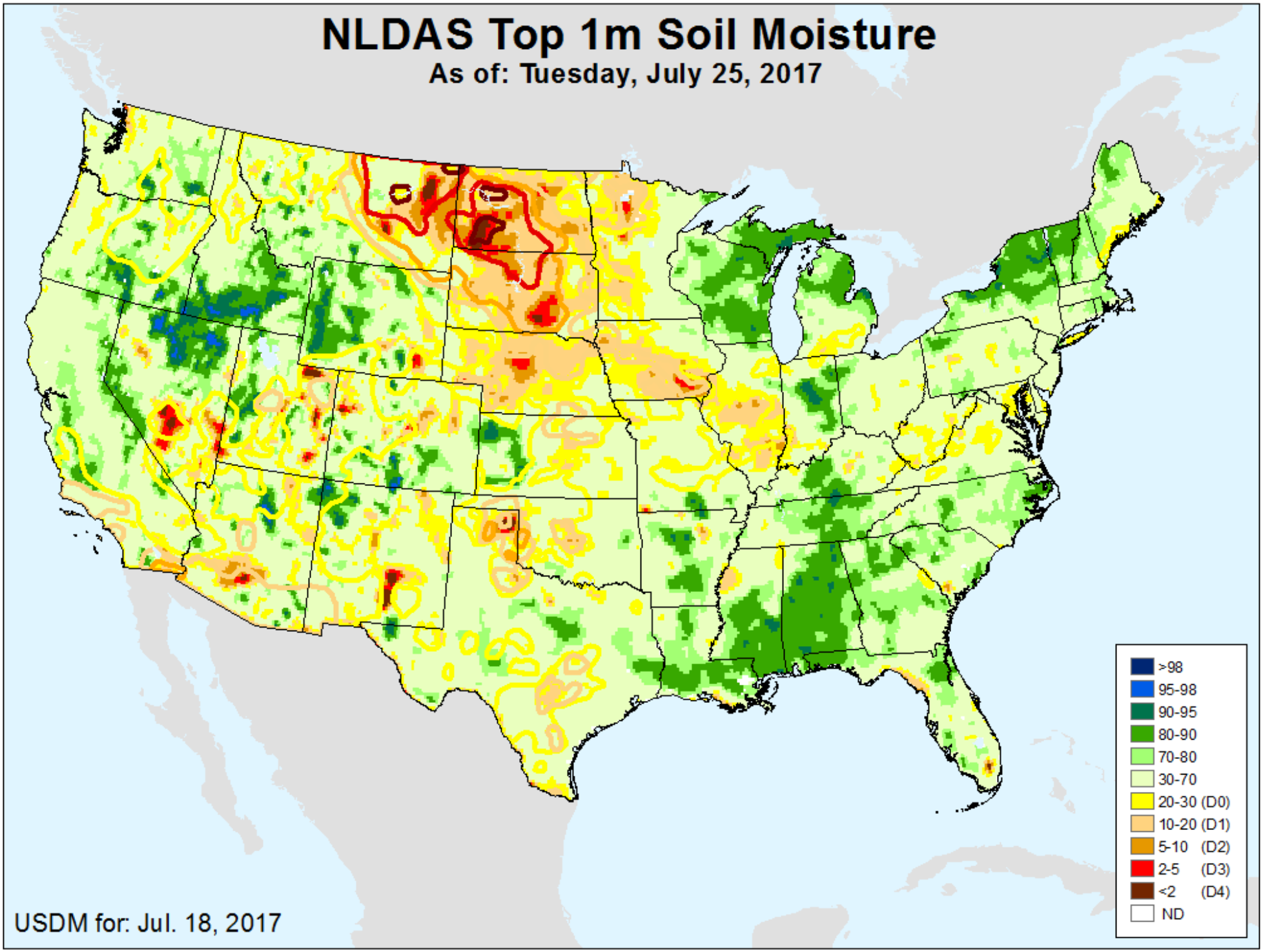


Percent
500
400
350
300
250
200
175
150
125
100
90
80
70
60
50
25
10
1
0

USDM for: Jul. 18, 2017

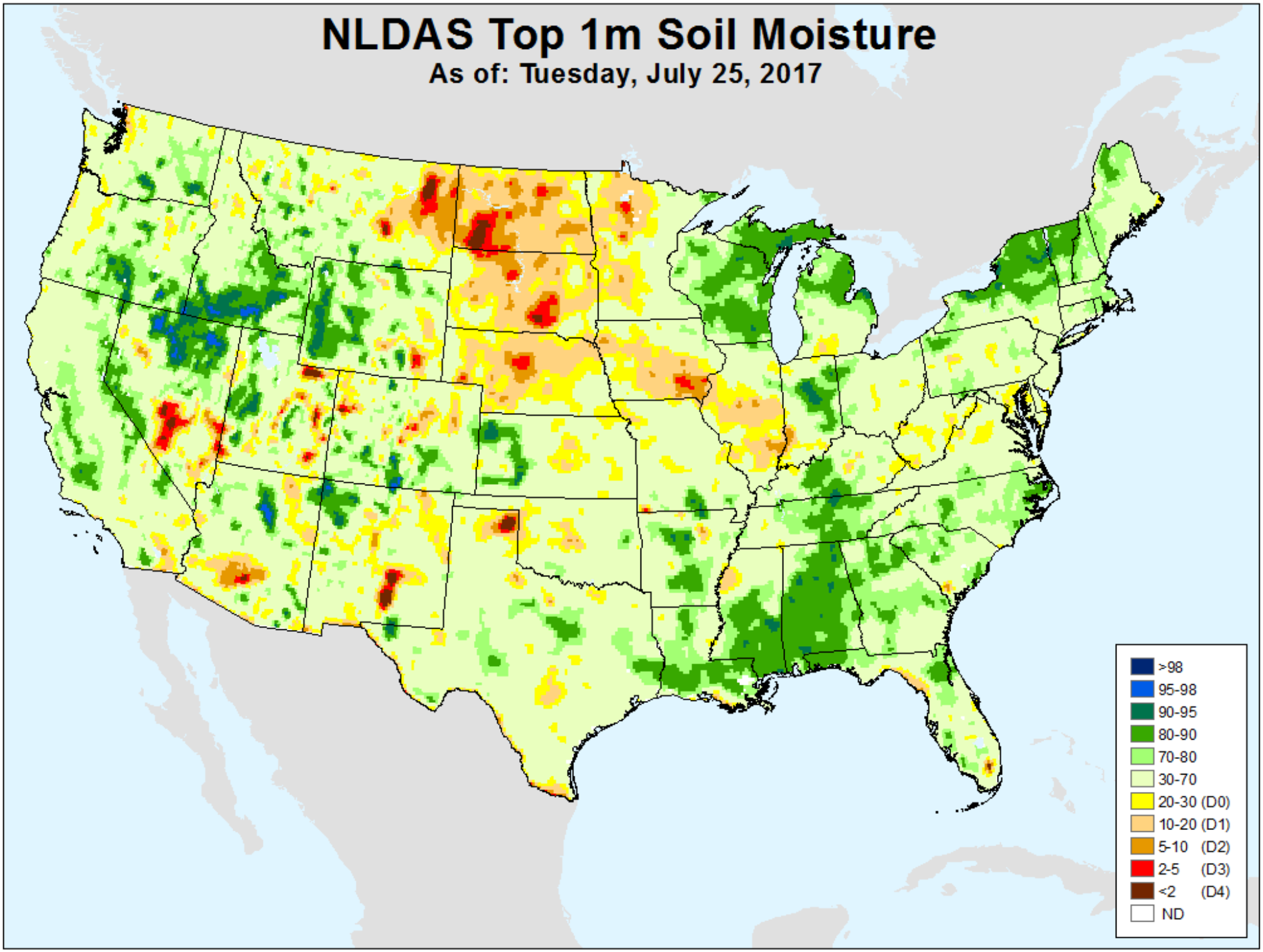

USGS 7-Day Avg Streamflow
As of: Tuesday, July 25, 2017
PCTILE
< 2 (D4)
2-5 (D3)
5-10 (D2)
10-20 (D1)
20-30 (D0)
30-70
70-80
80-90
90-95
95-98
98-100
USDM for: Jul. 18, 2017


USGS 28-Day Avg Streamflow
As of: Tuesday, July 25, 2017
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. 18, 2017


NLDAS Top 1m Soil Moisture
As of: Tuesday, July 25, 2017
>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. 18, 2017

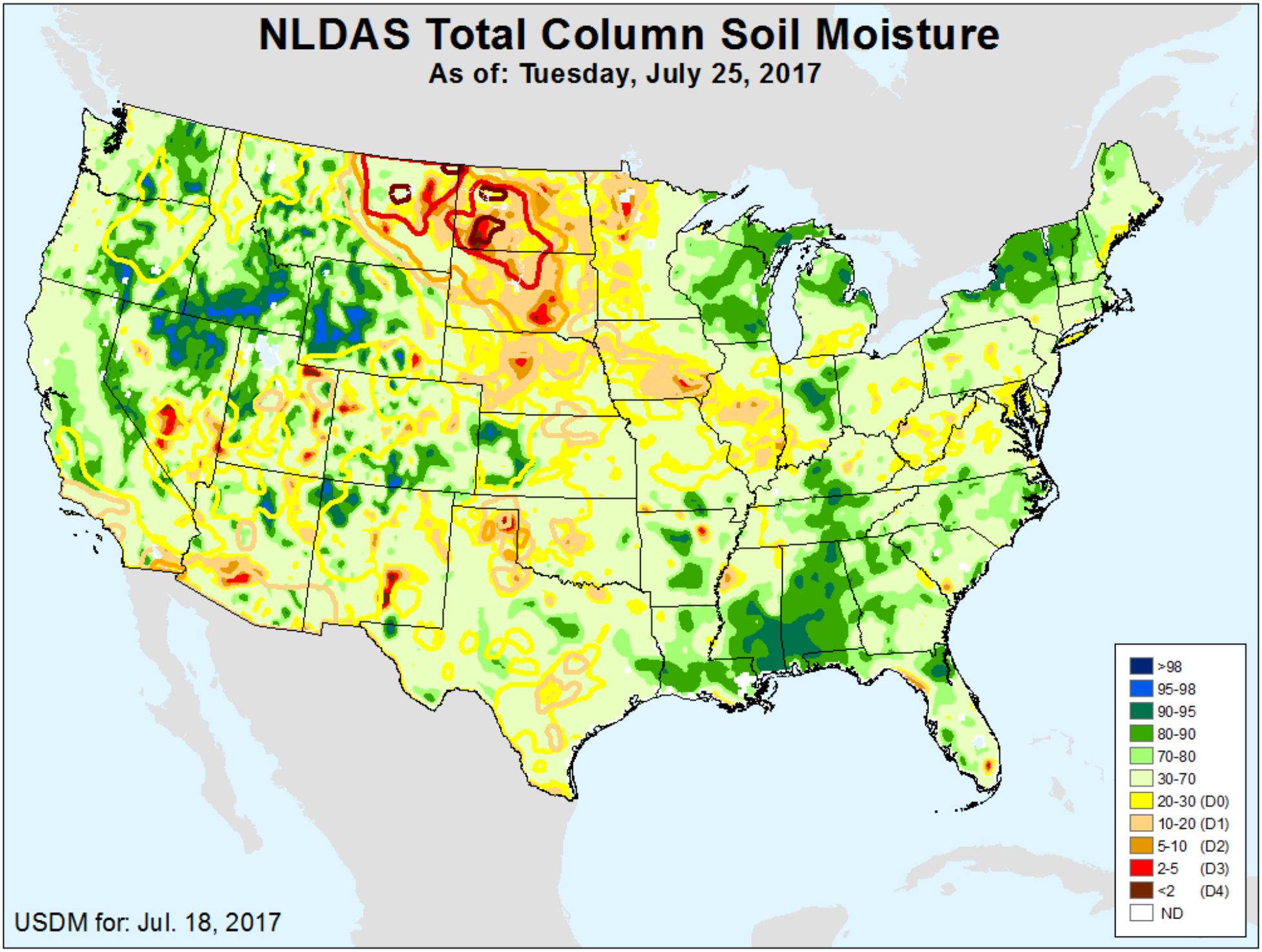
NLDAS Top 1m Soil Moisture

As of: Tuesday, July 25, 2017



NLDAS Total Column Soil Moisture

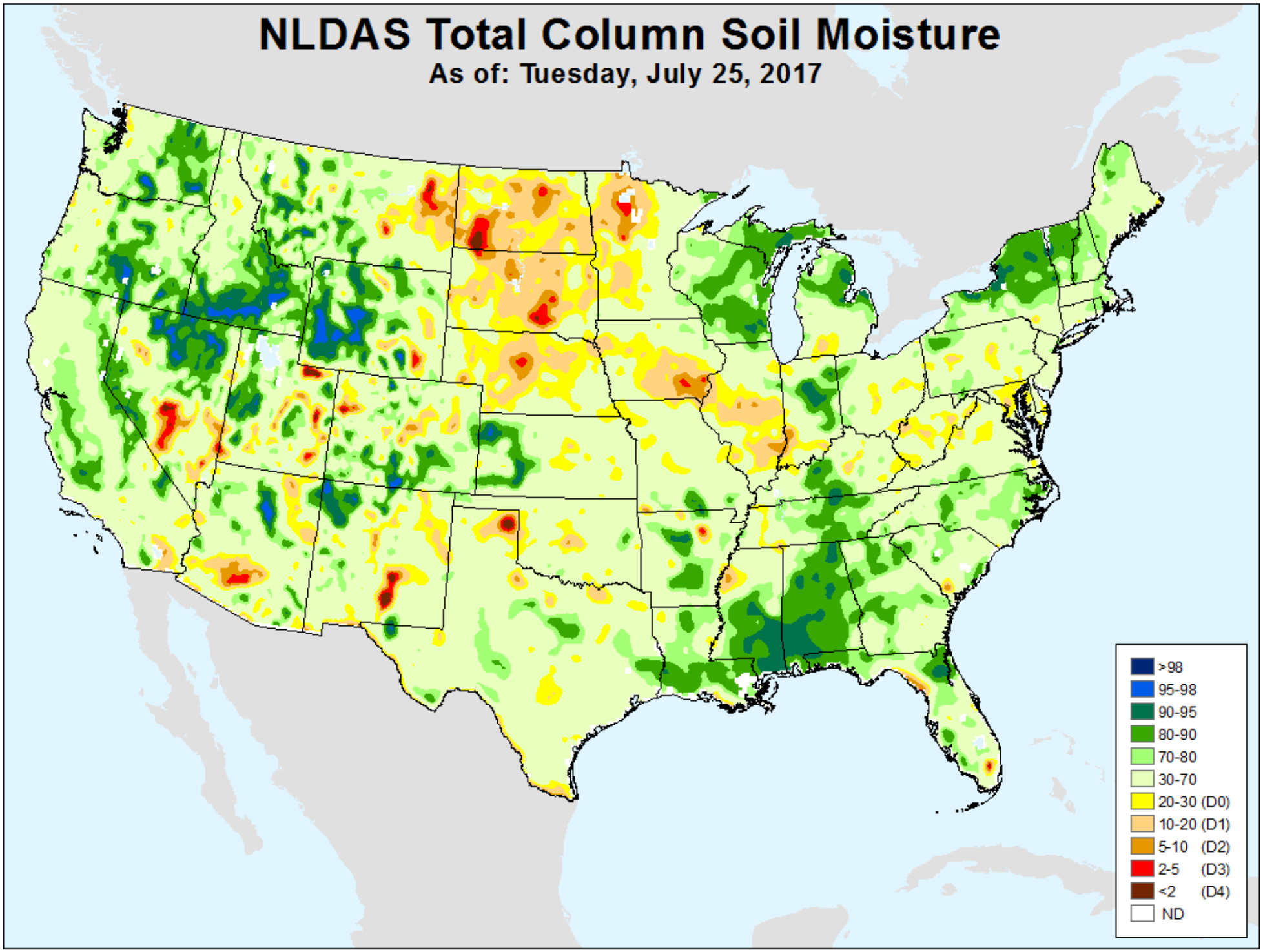
As of: Tuesday, July 25, 2017

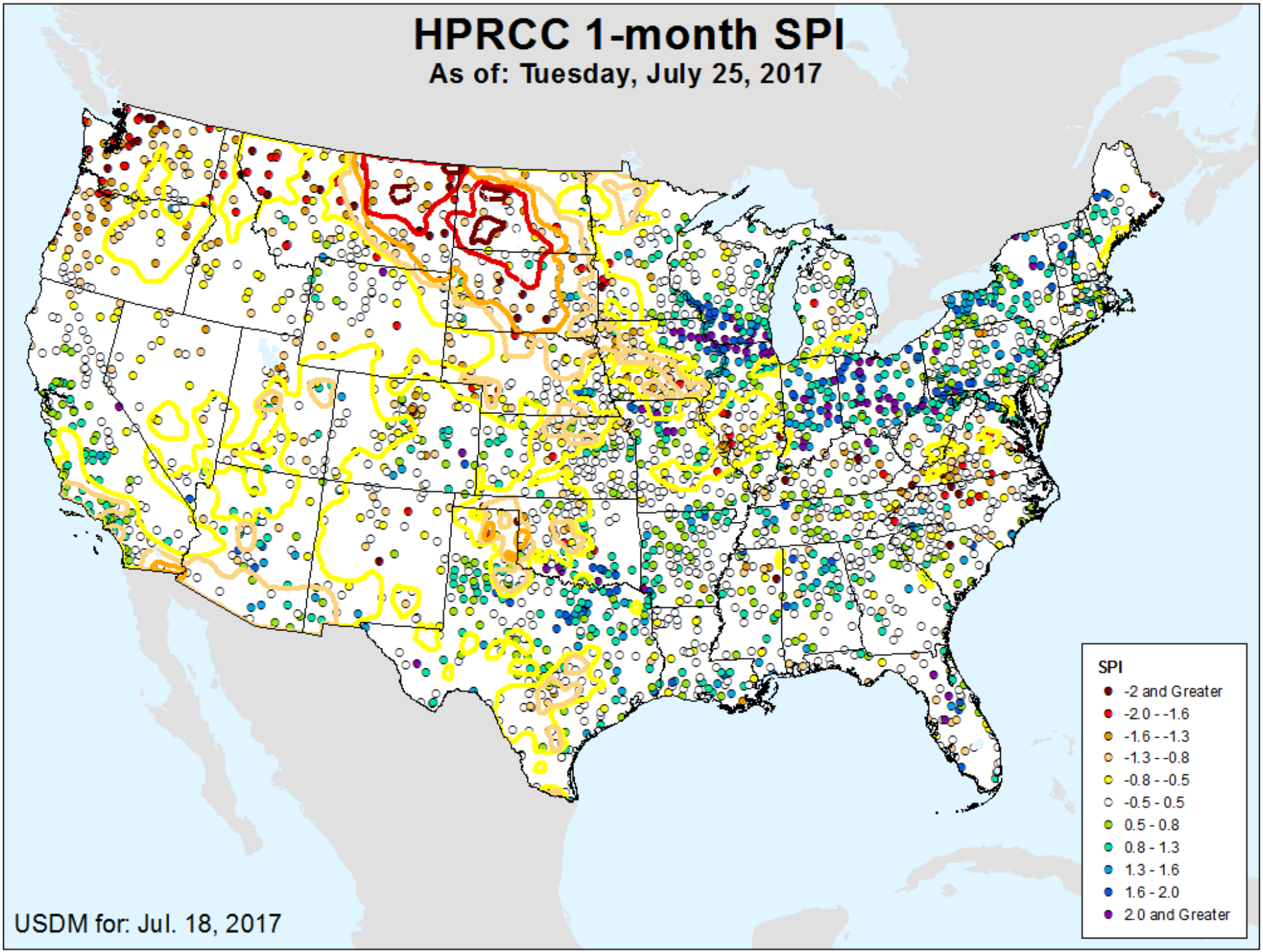


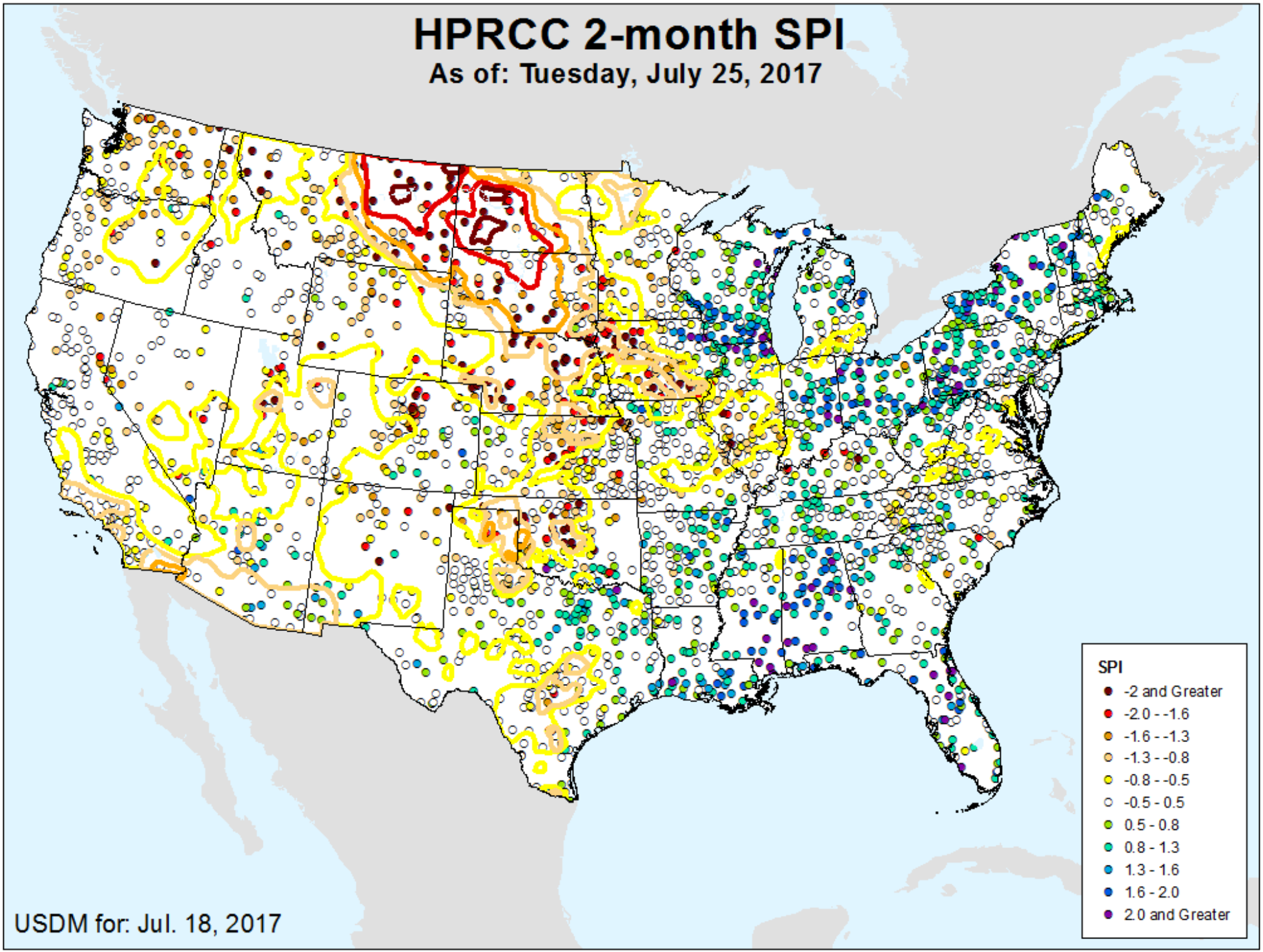
USDM for: Jul. 18, 2017

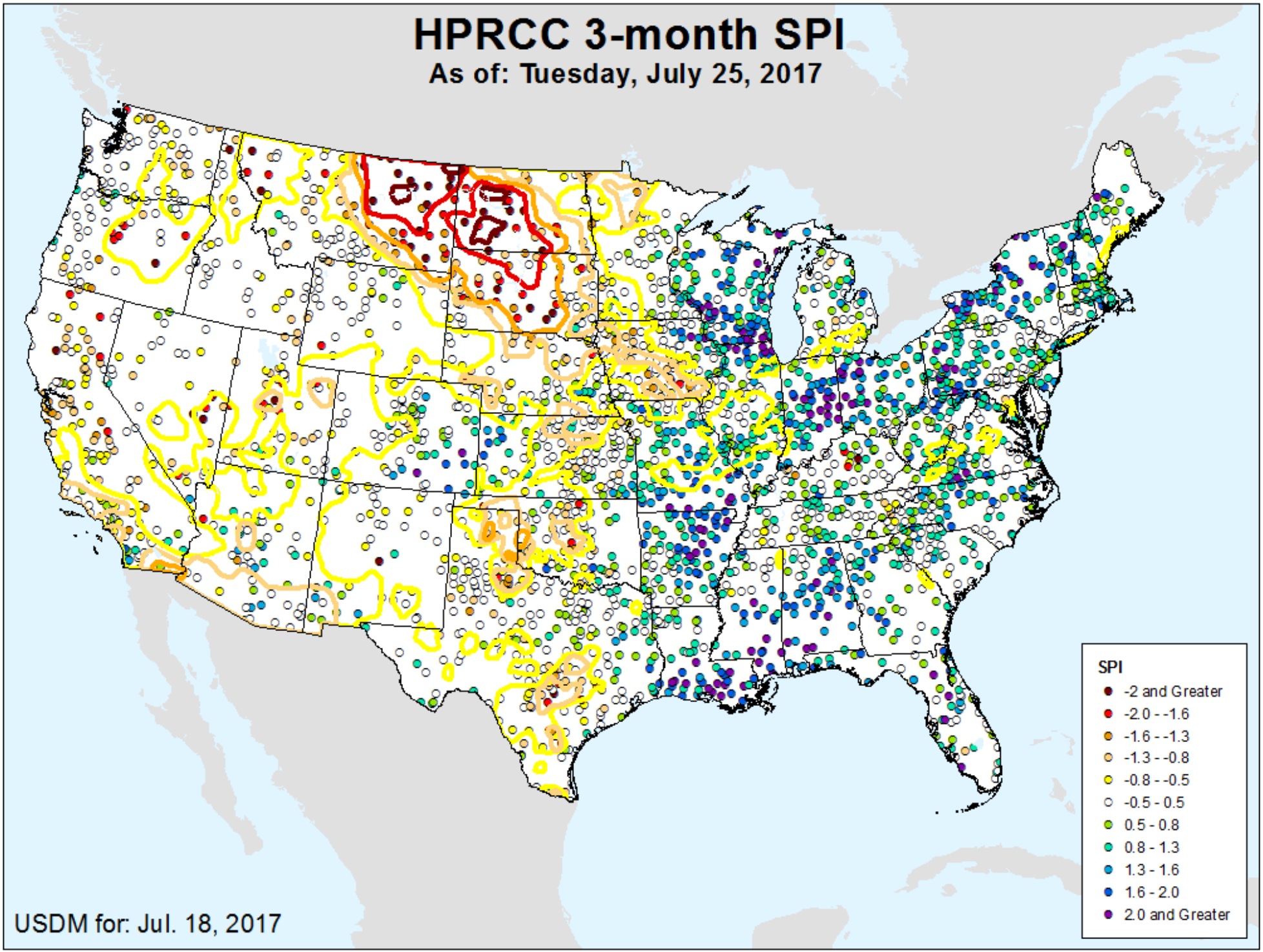
NLDAS Total Column Soil Moisture

As of: Tuesday, July 25, 2017



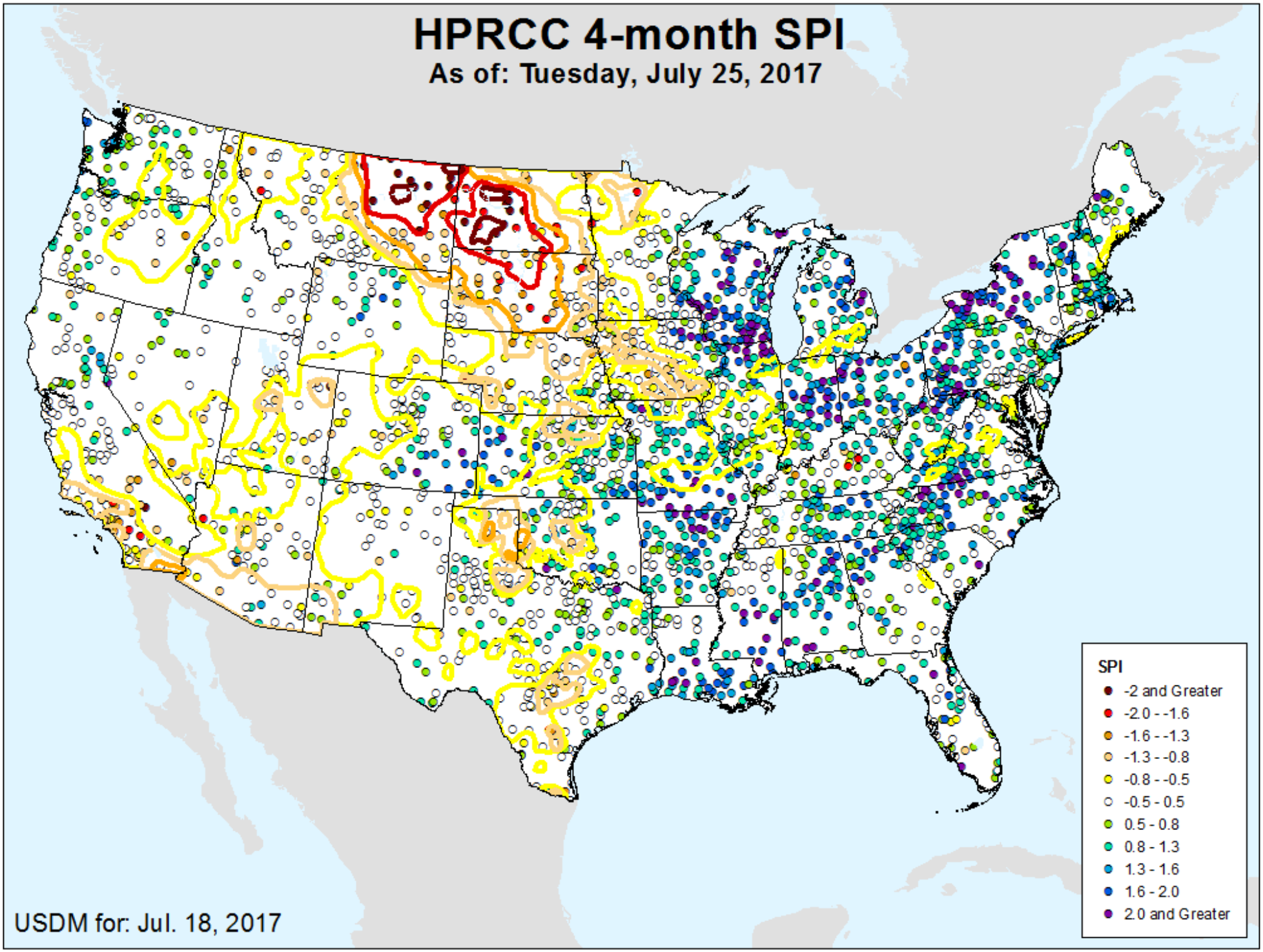

HPRCC 1-month SPI
As of: Tuesday, July 25, 2017
SPI
-2 and Greater
-2.0 - -1.6
-1.6 - -1.3
-1.3 - -0.8
-0.8 - -0.5
-0.5 - 0.5
0.5 - 0.8
0.8 - 1.3
1.3 - 1.6
1.6 - 2.0
2.0 and Greater
USDM for: Jul. 18, 2017


HPRCC 2-month SPI
As of: Tuesday, July 25, 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. 18, 2017


HPRCC 3-month SPI
As of: Tuesday, July 25, 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. 18, 2017

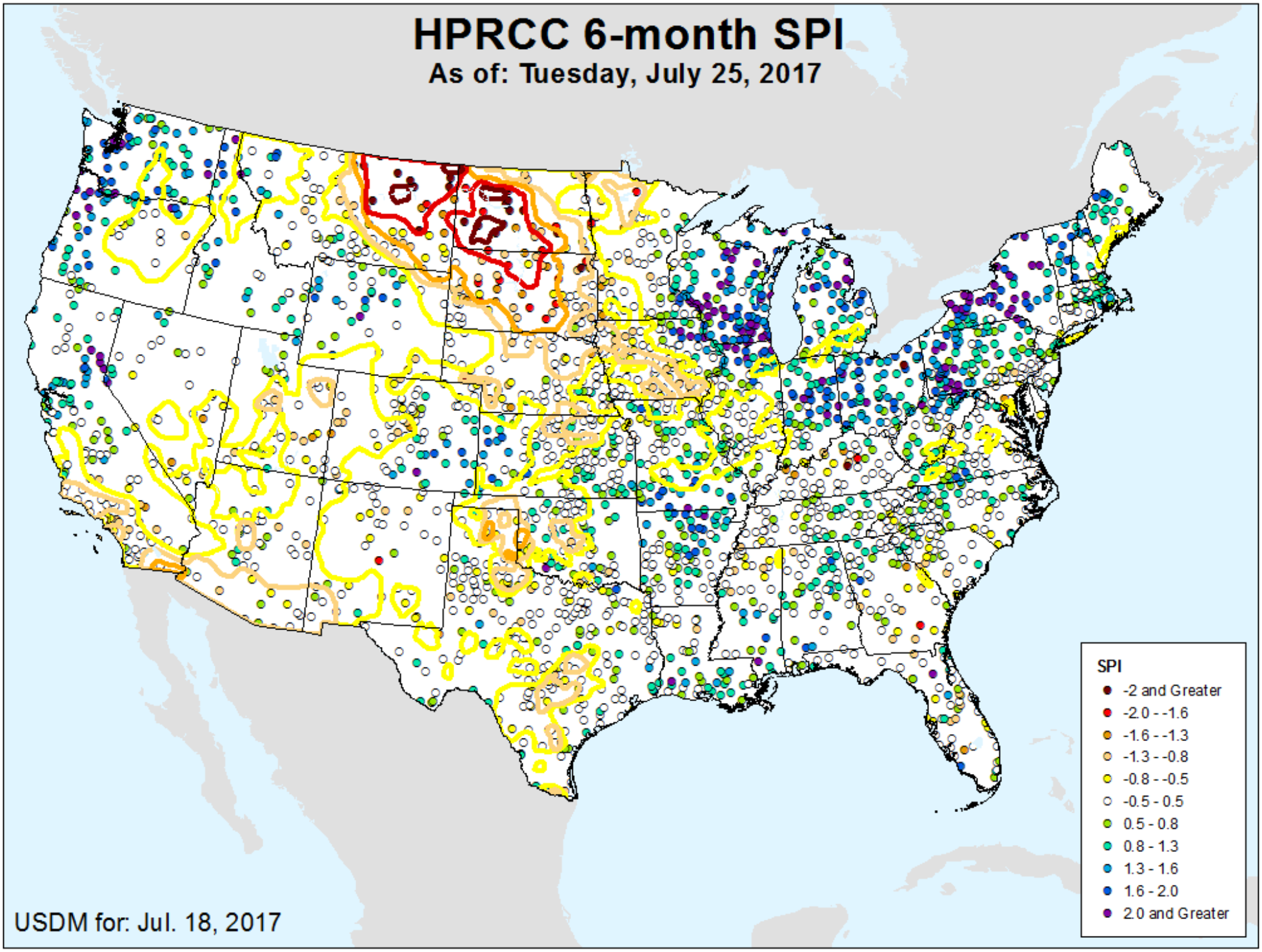
HPRCC 4-month SPI

As of: Tuesday, July 25, 2017



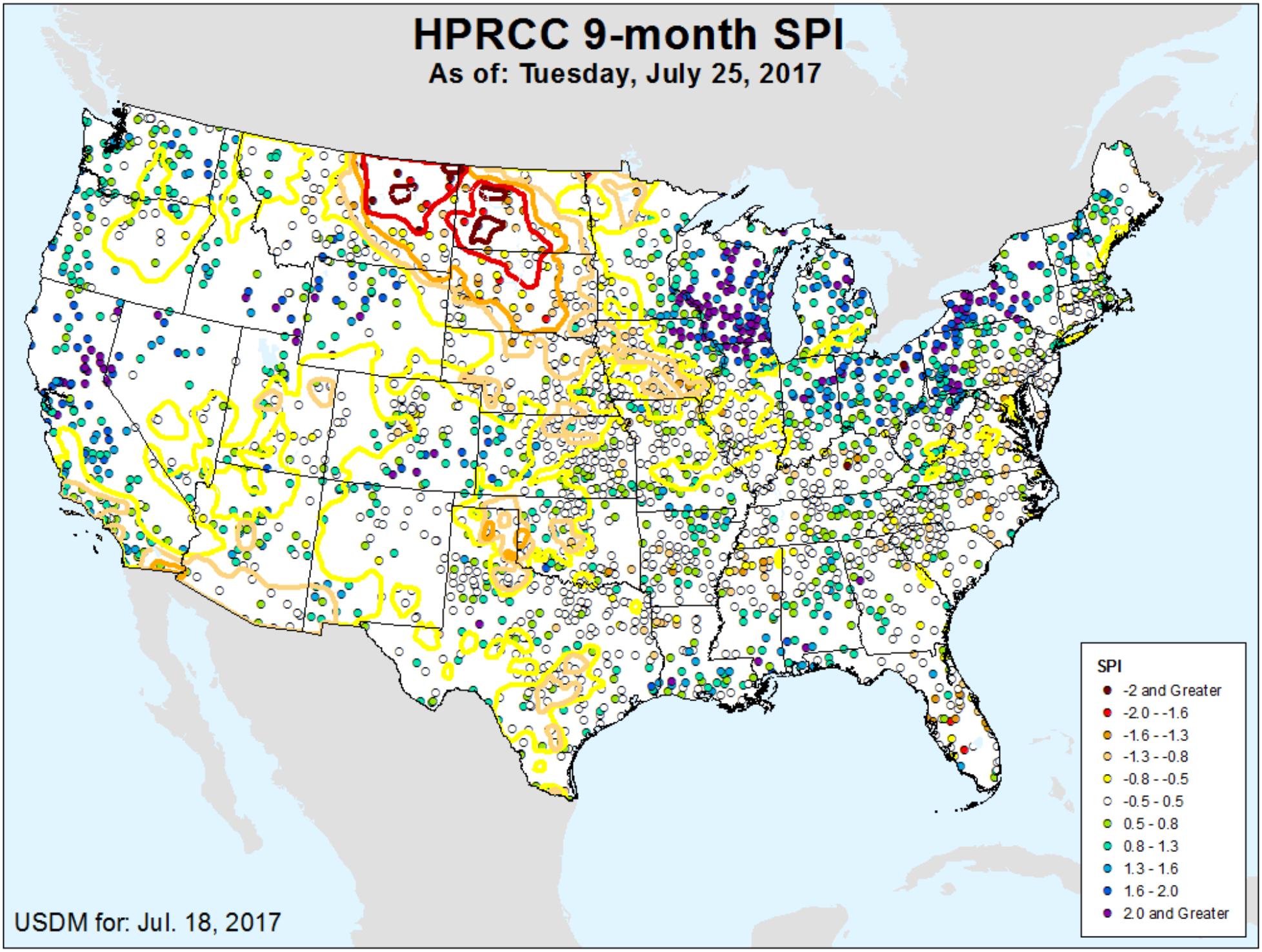
HPRCC 6-month SPI

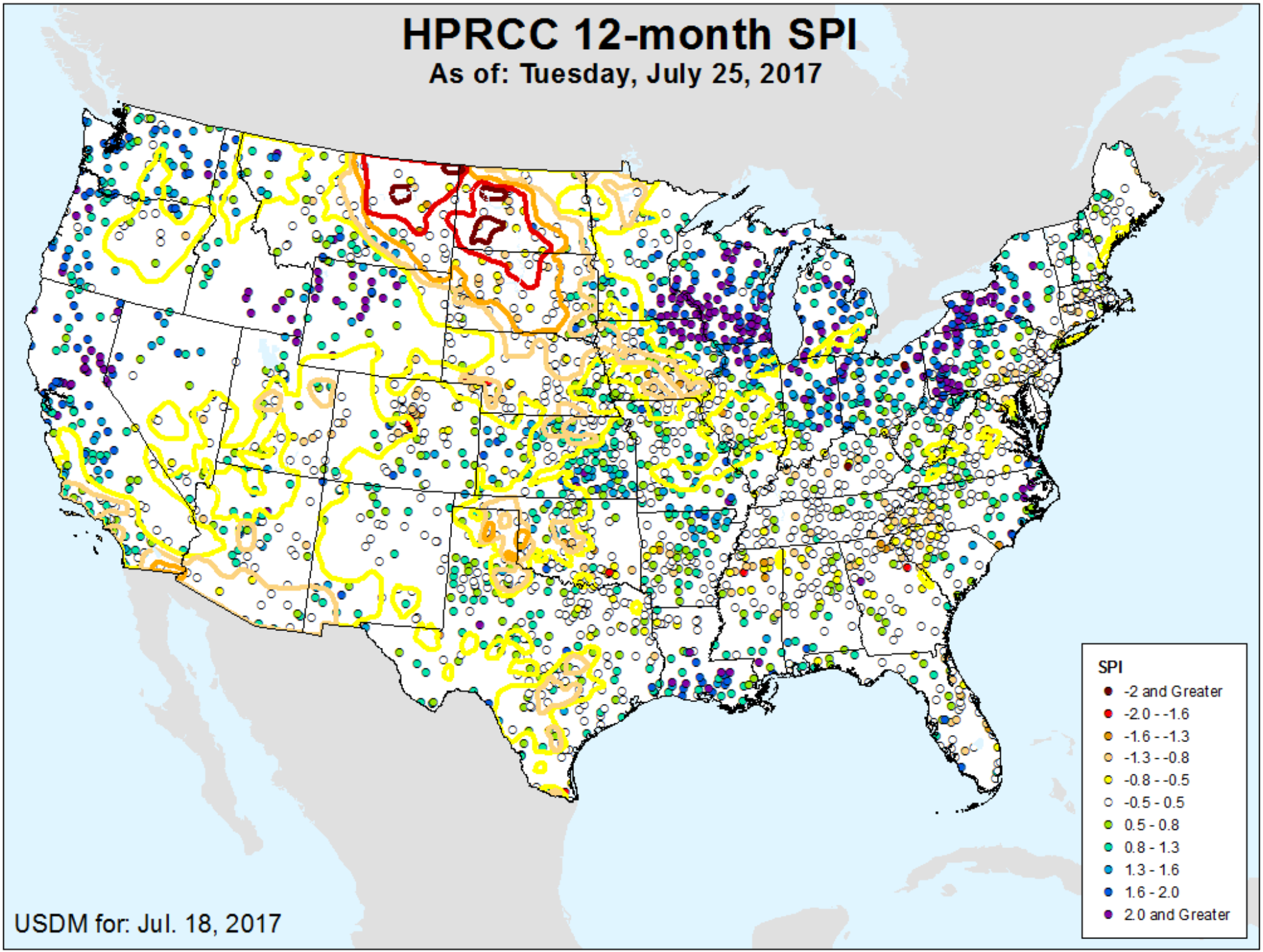
As of: Tuesday, July 25, 2017



HPRCC 9-month SPI

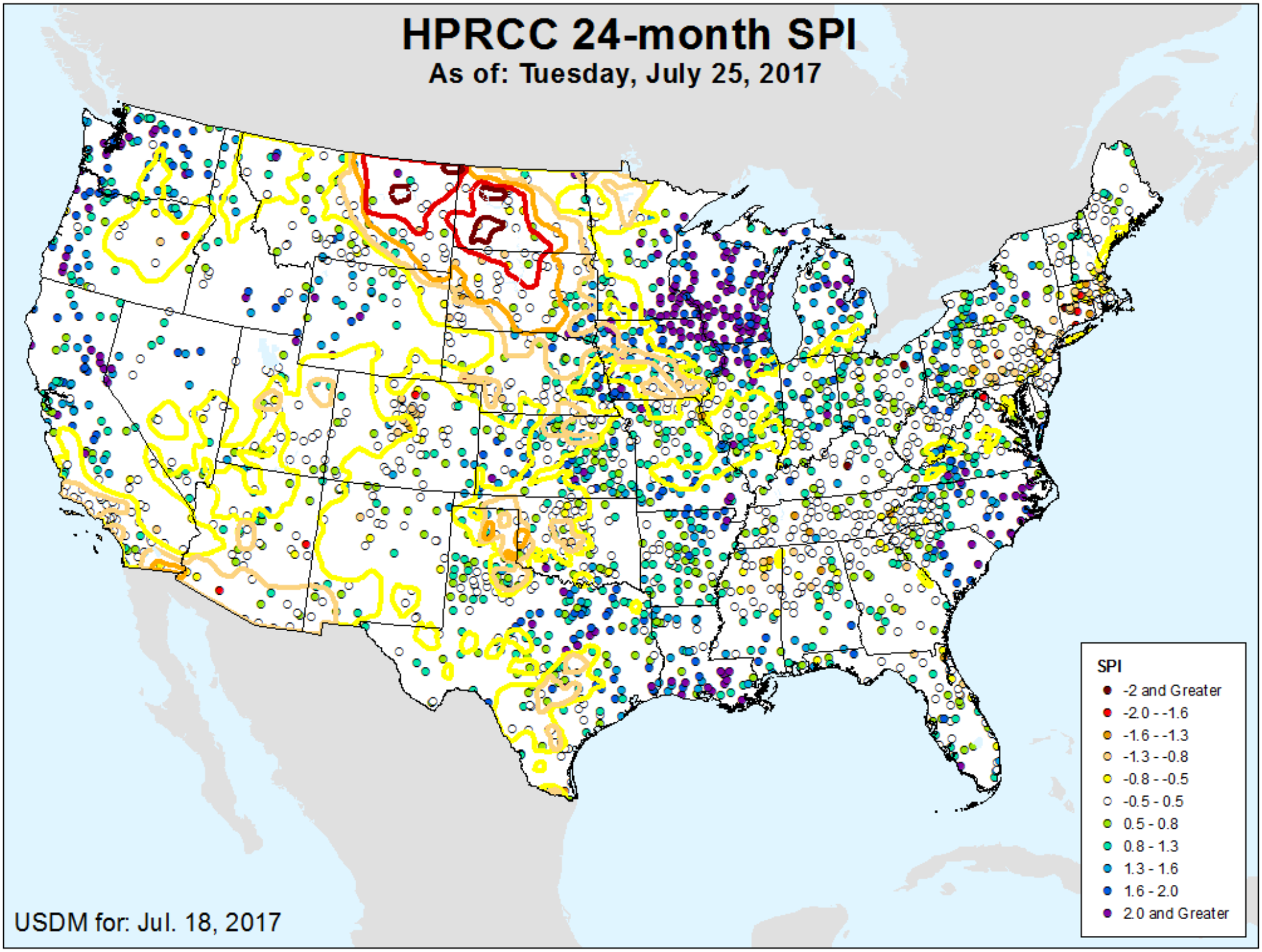
As of: Tuesday, July 25, 2017




HPRCC 12-month SPI
As of: Tuesday, July 25, 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. 18, 2017

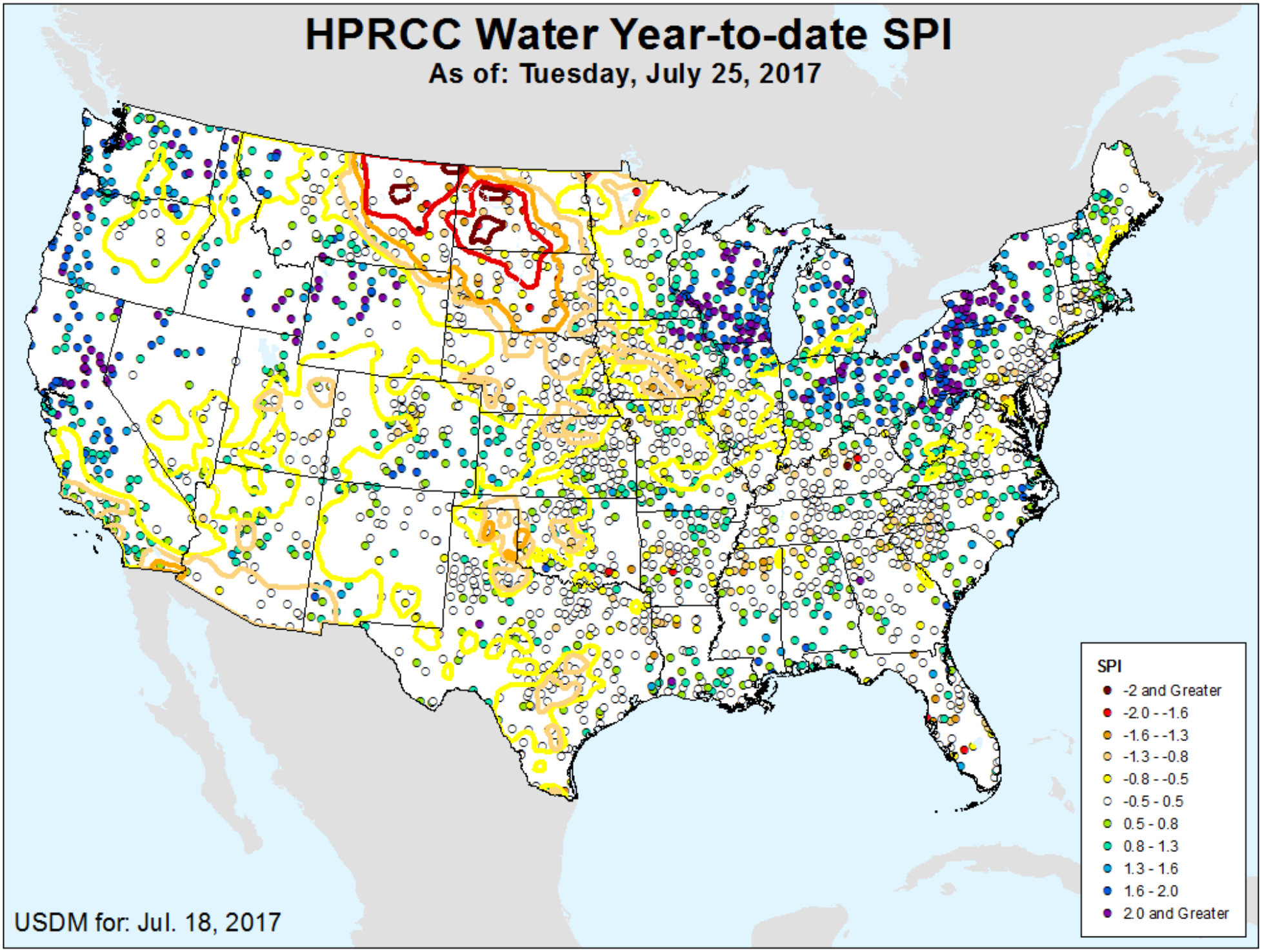
HPRCC 24-month SPI

As of: Tuesday, July 25, 2017



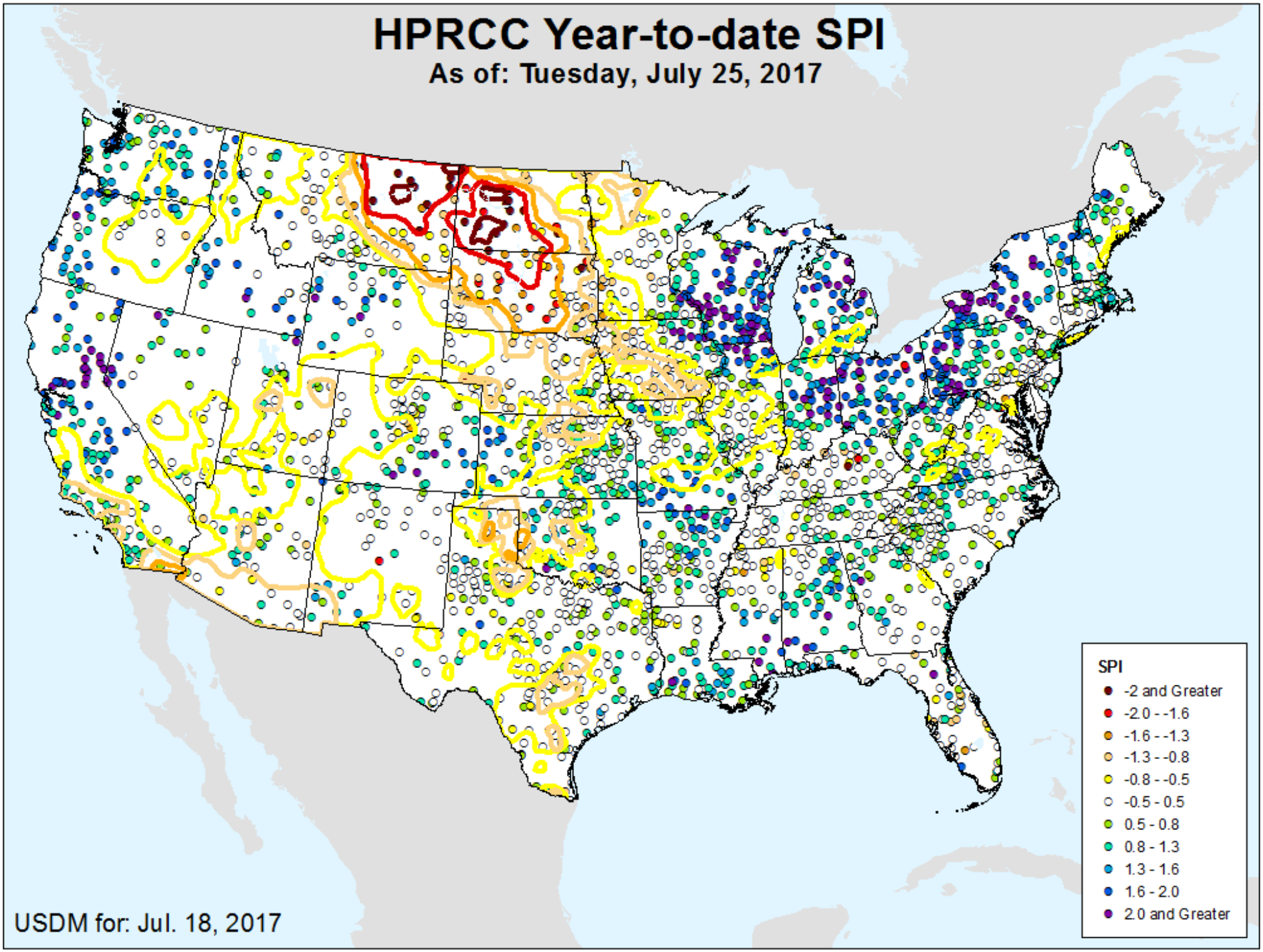
HPRCC Water Year-to-date SPI

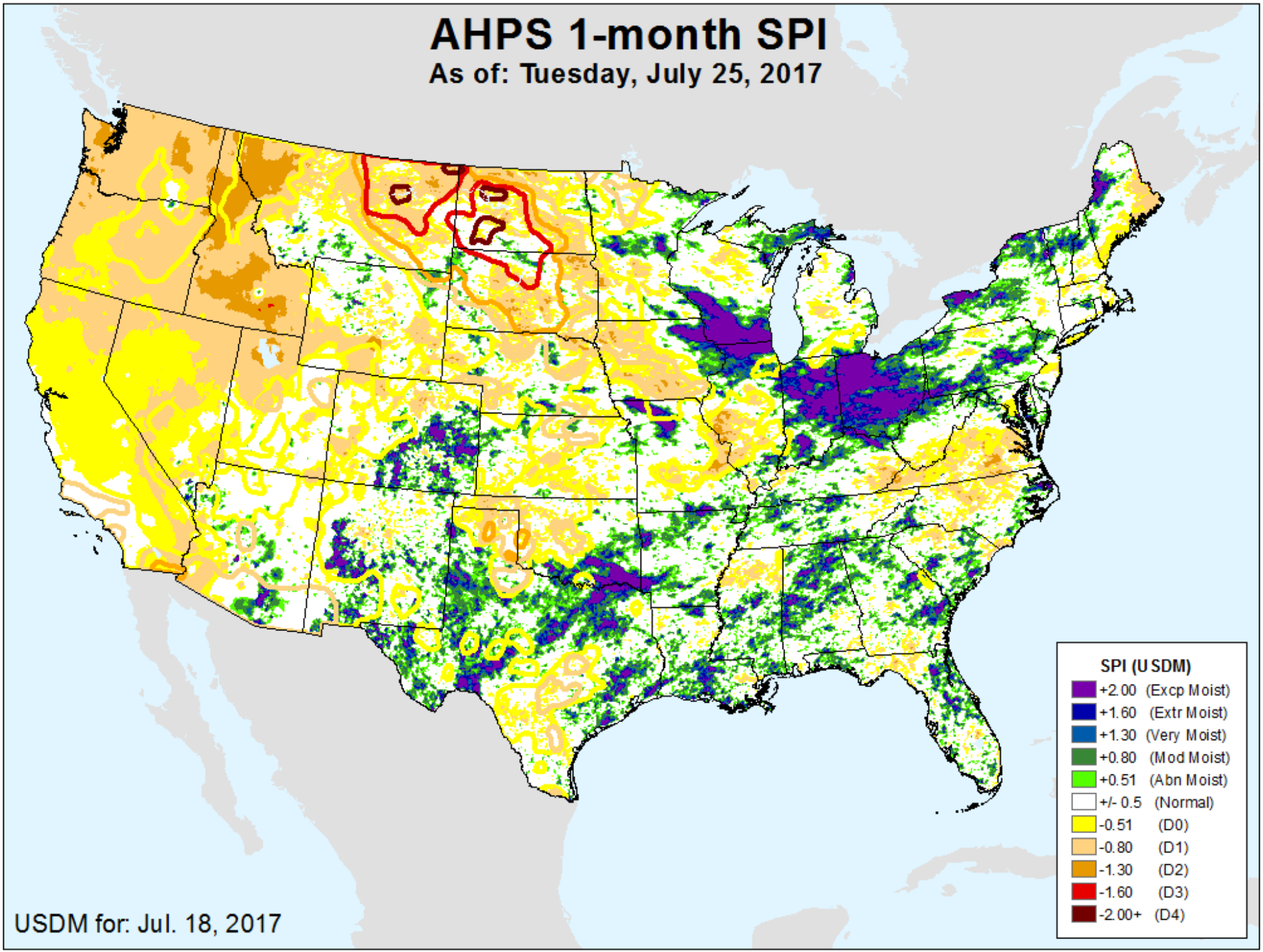
As of: Tuesday, July 25, 2017



HPRCC Year-to-date SPI

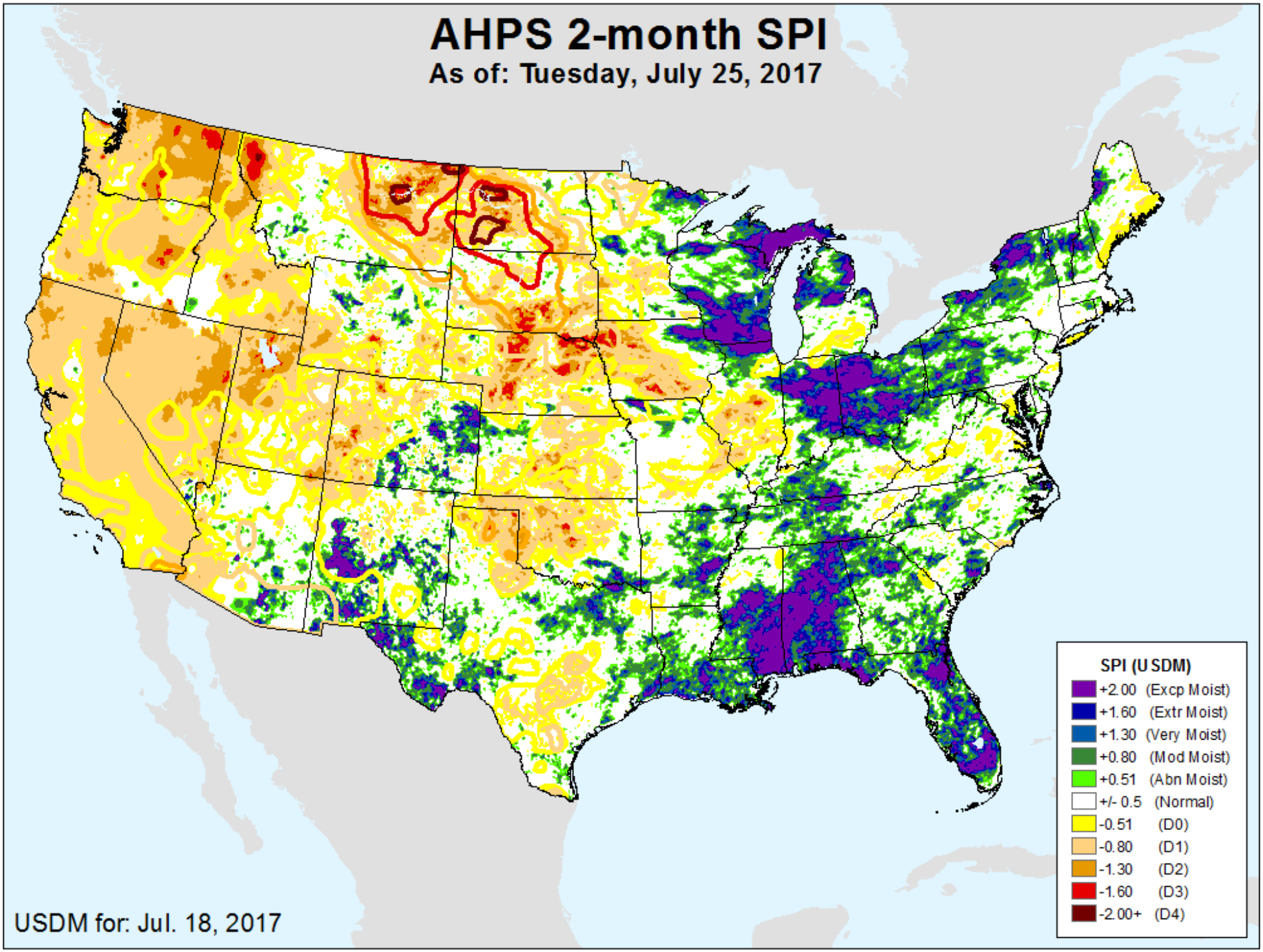
As of: Tuesday, July 25, 2017




AHPS 1-month SPI
As of: Tuesday, July 25, 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. 18, 2017

AHPS 2-month SPI

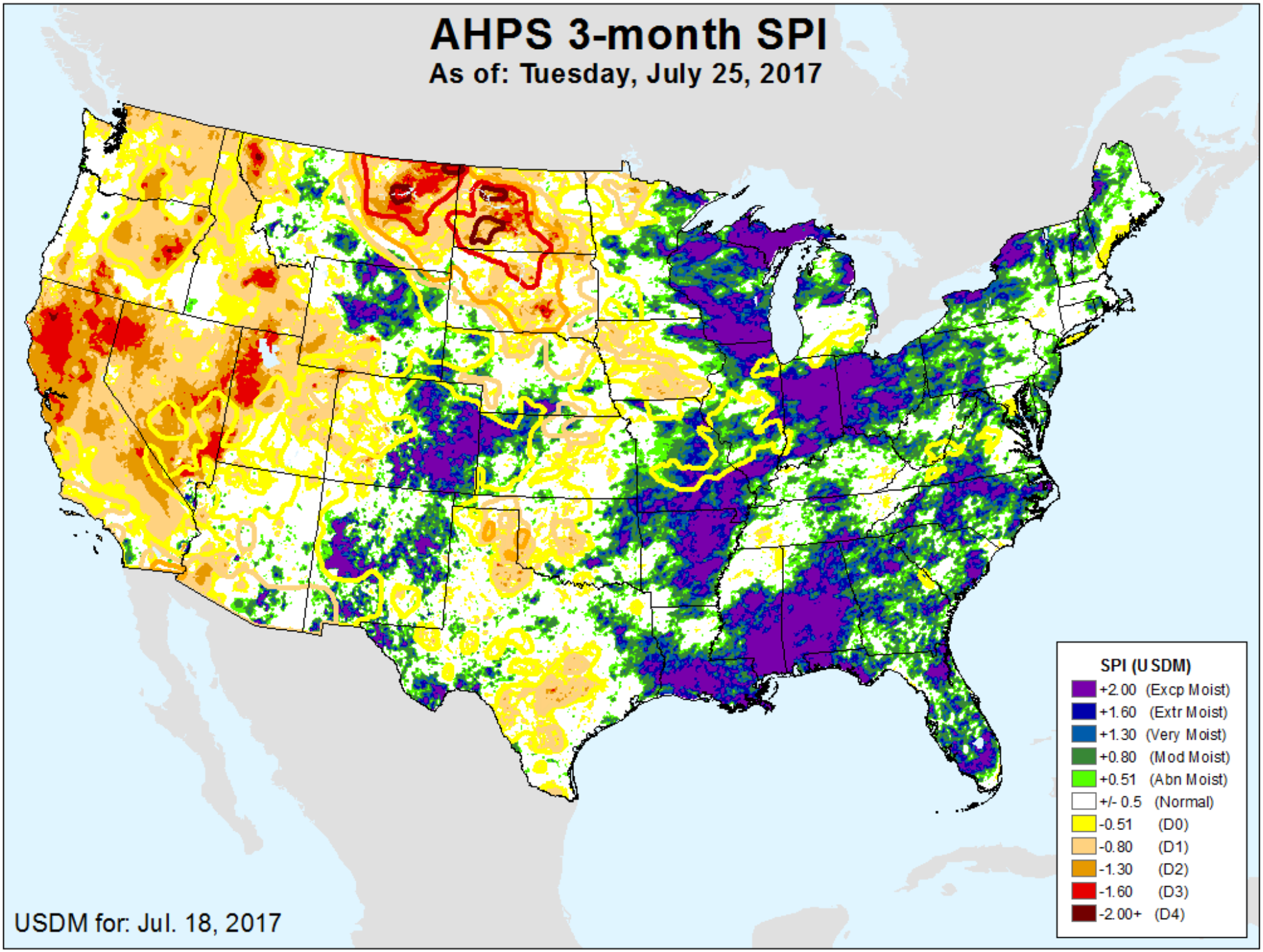
As of: Tuesday, July 25, 2017



USDM for: Jul. 18, 2017

AHPS 3-month SPI

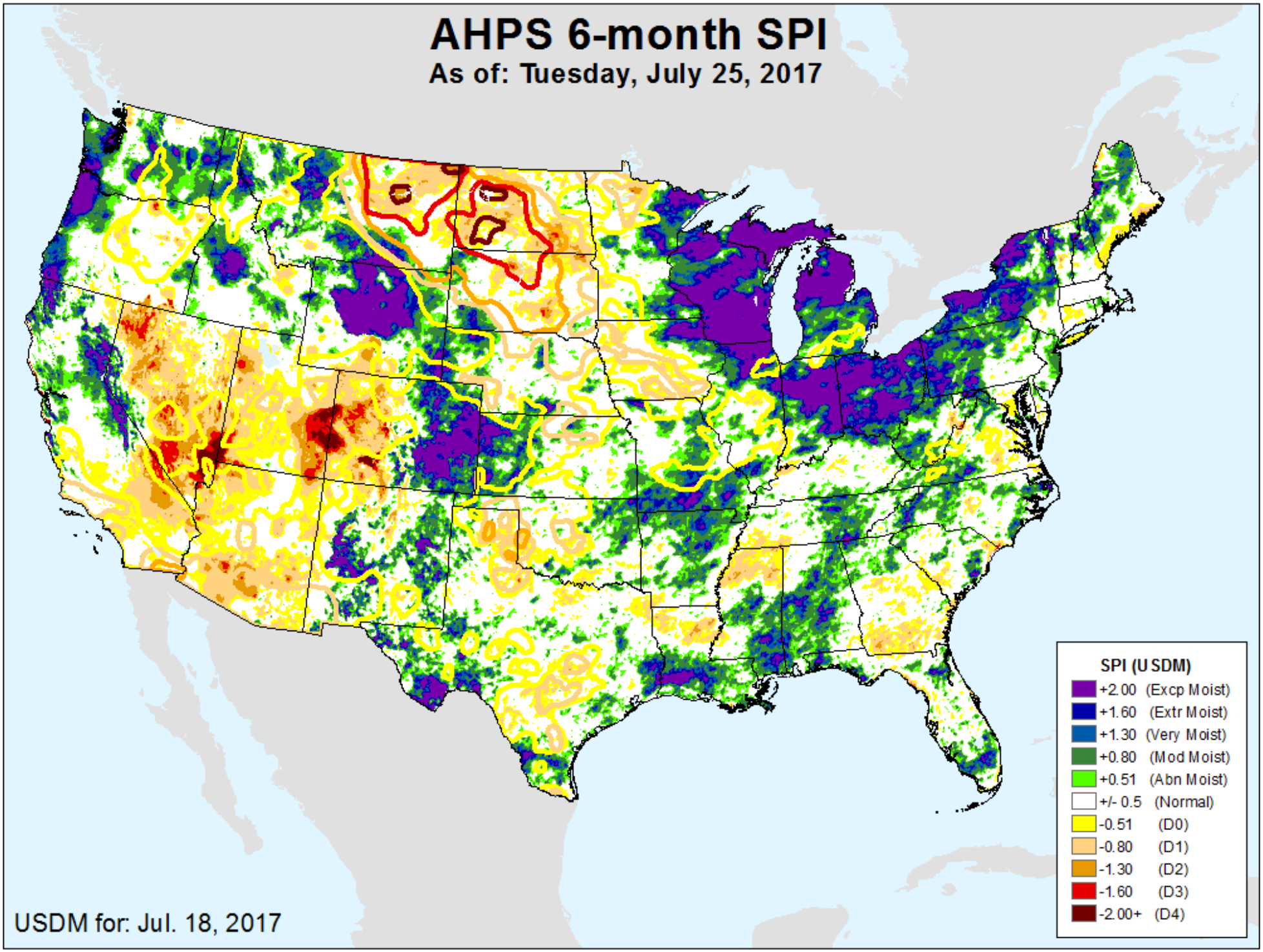
As of: Tuesday, July 25, 2017



USDM for: Jul. 18, 2017

AHPS 6-month SPI

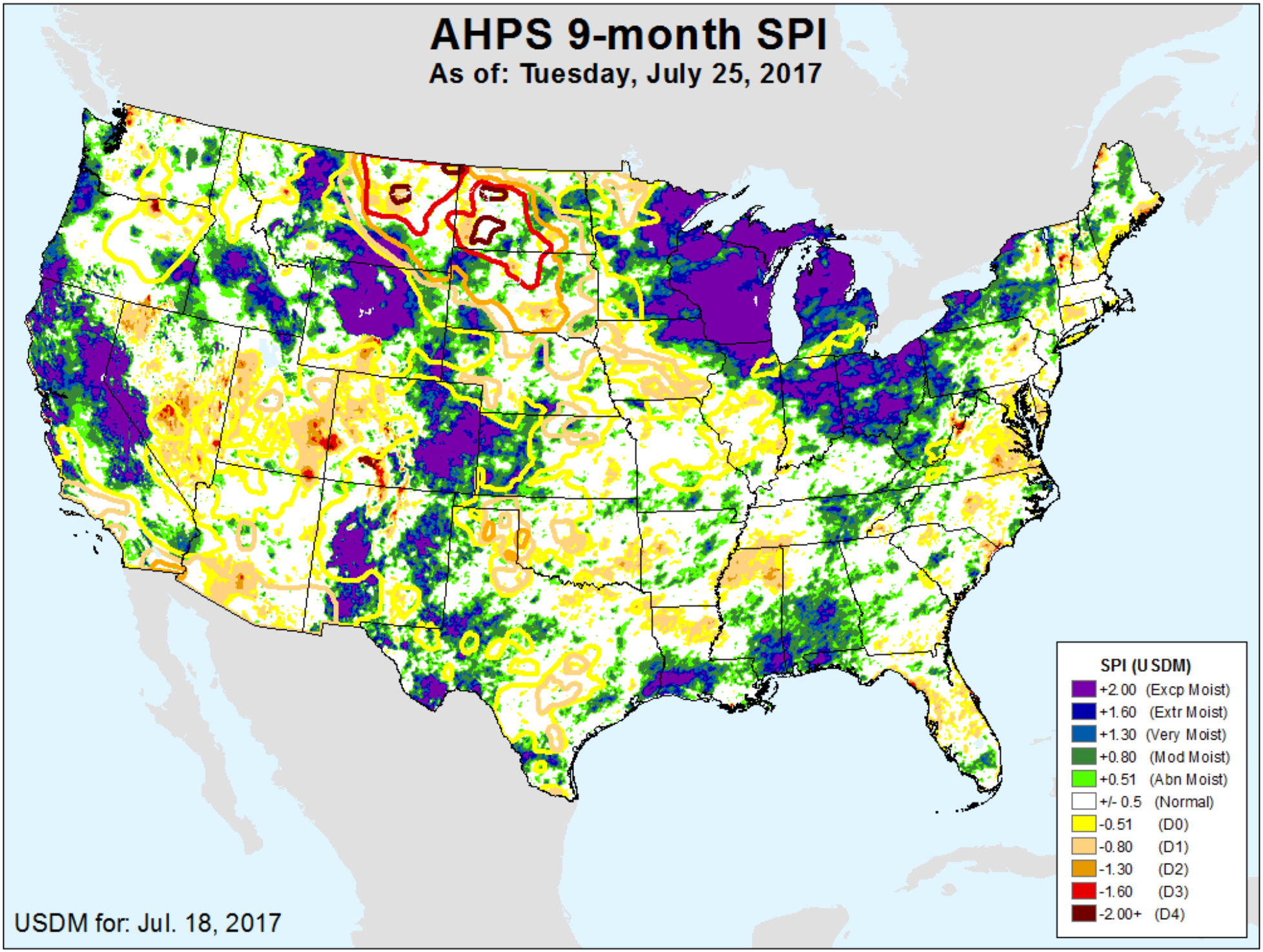
As of: Tuesday, July 25, 2017



USDM for: Jul. 18, 2017

AHPS 9-month SPI

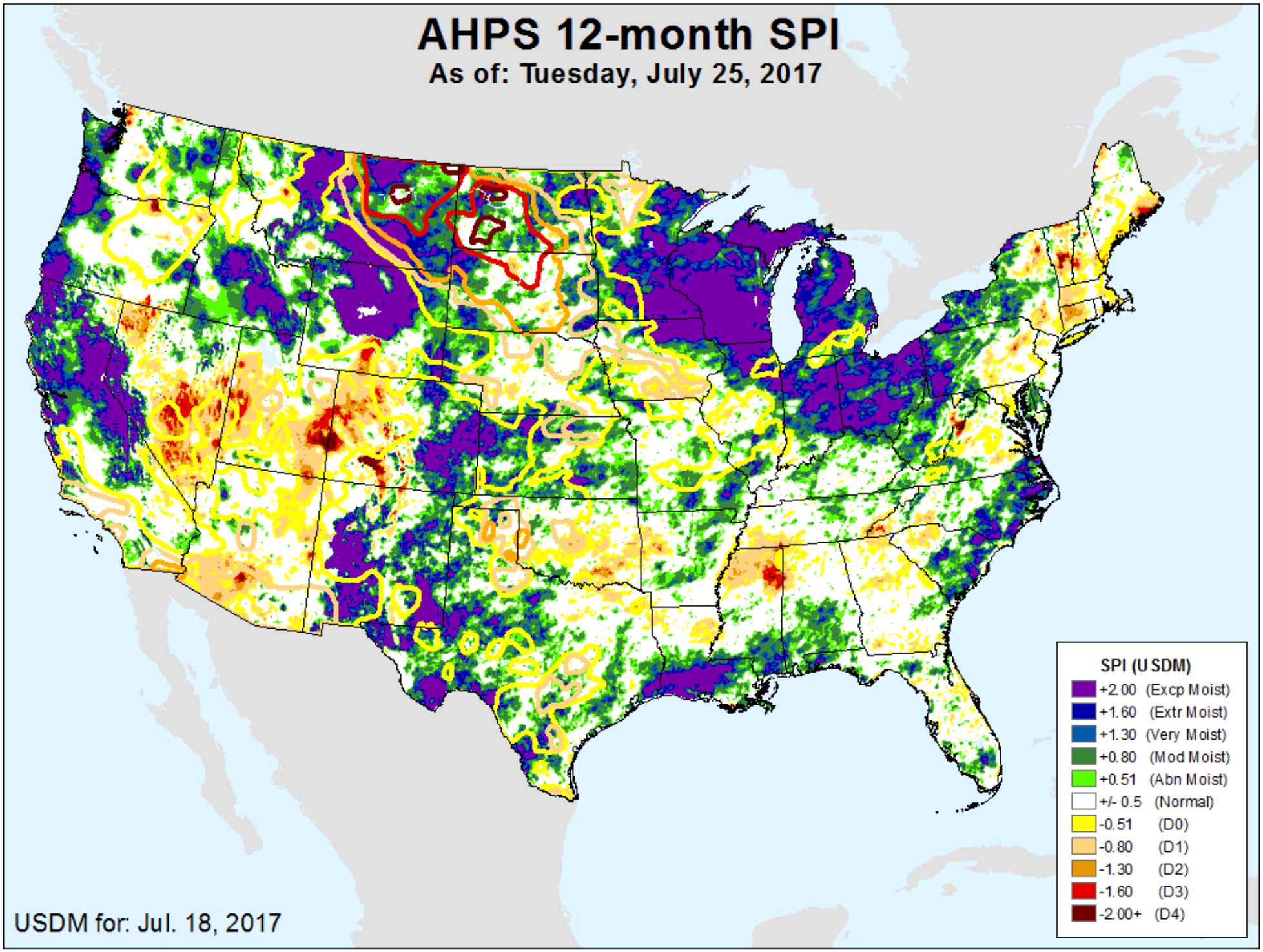
As of: Tuesday, July 25, 2017



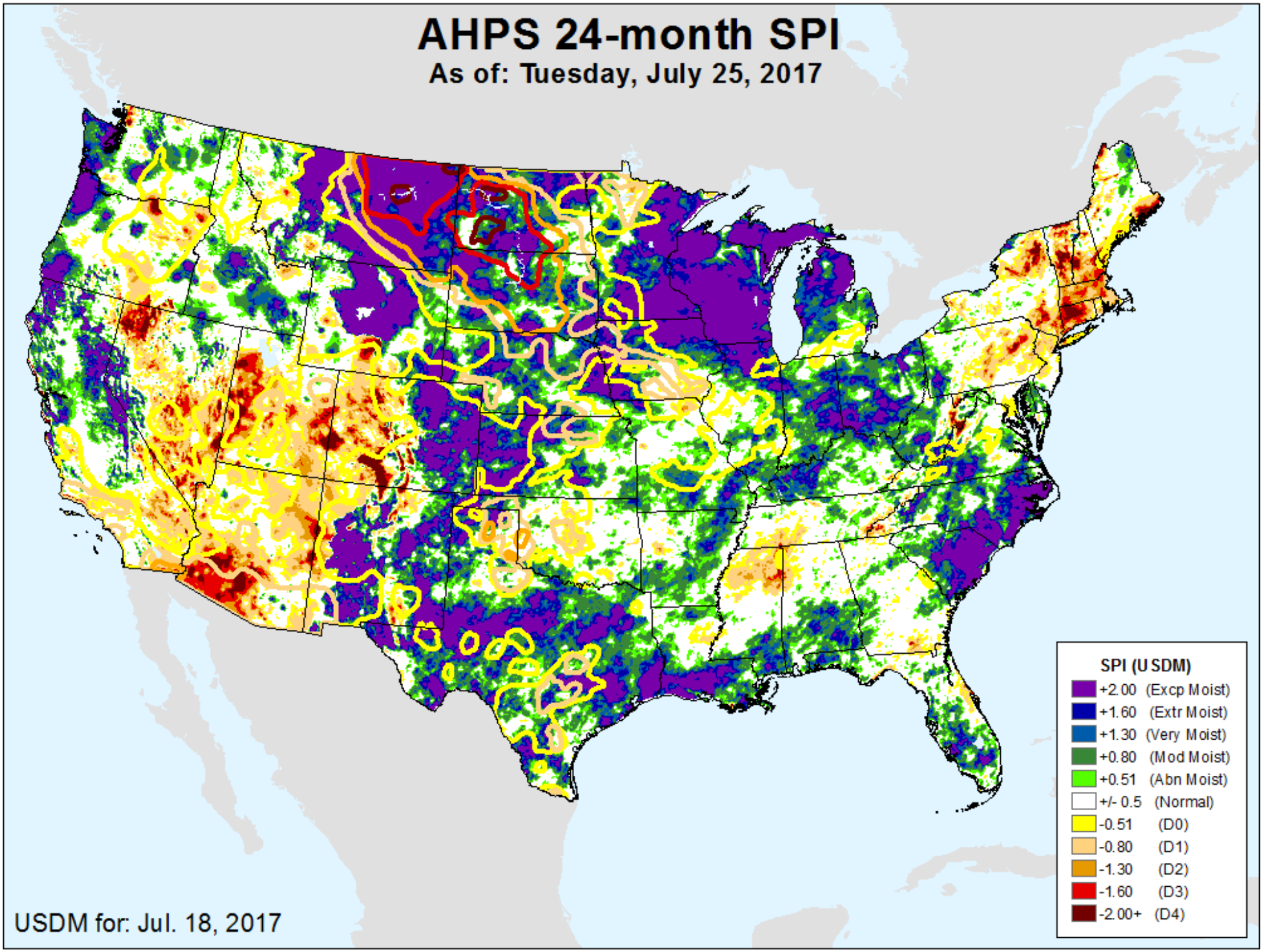
USDM for: Jul. 18, 2017

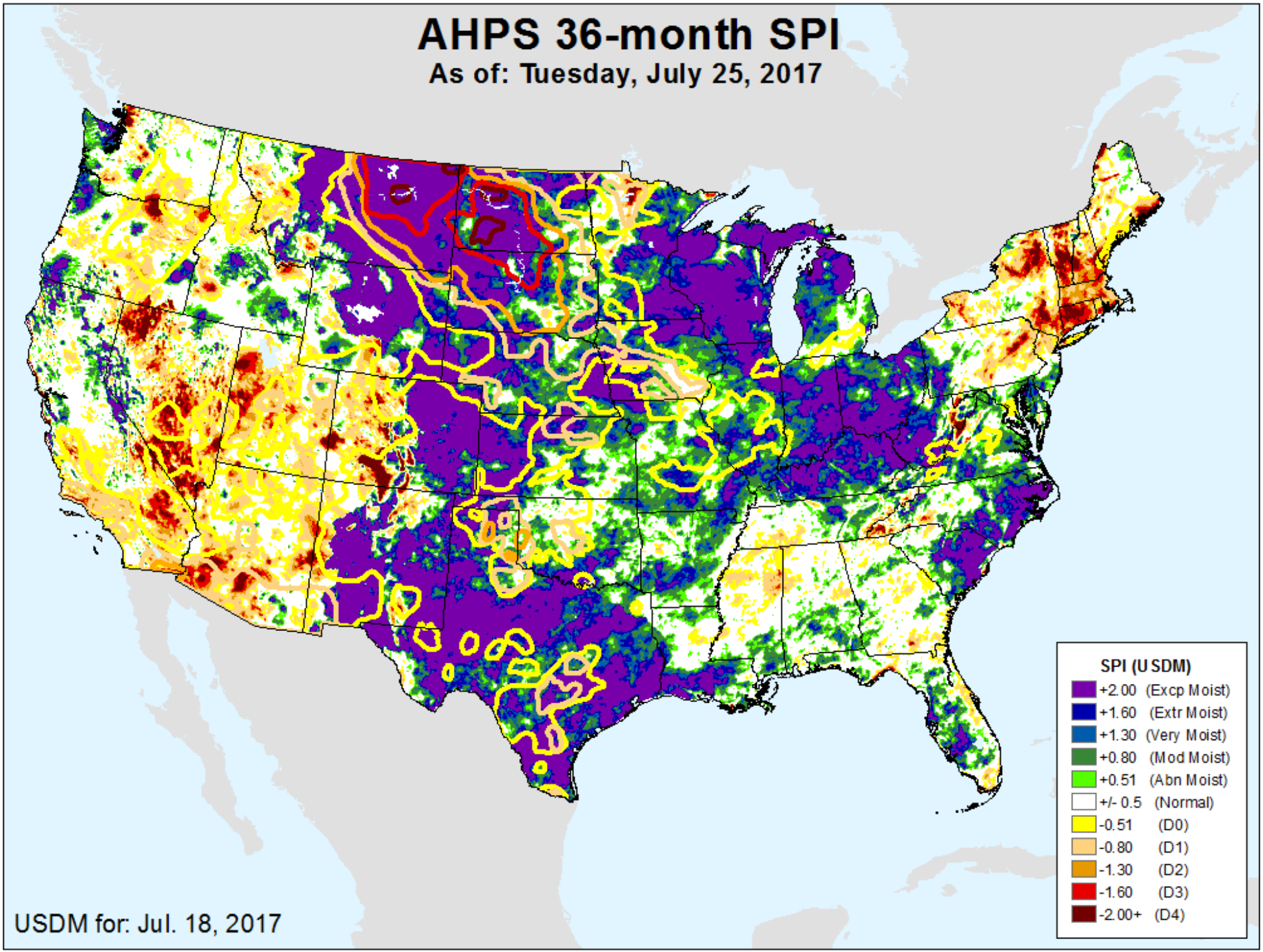
AHPS 12-month SPI

As of: Tuesday, July 25, 2017



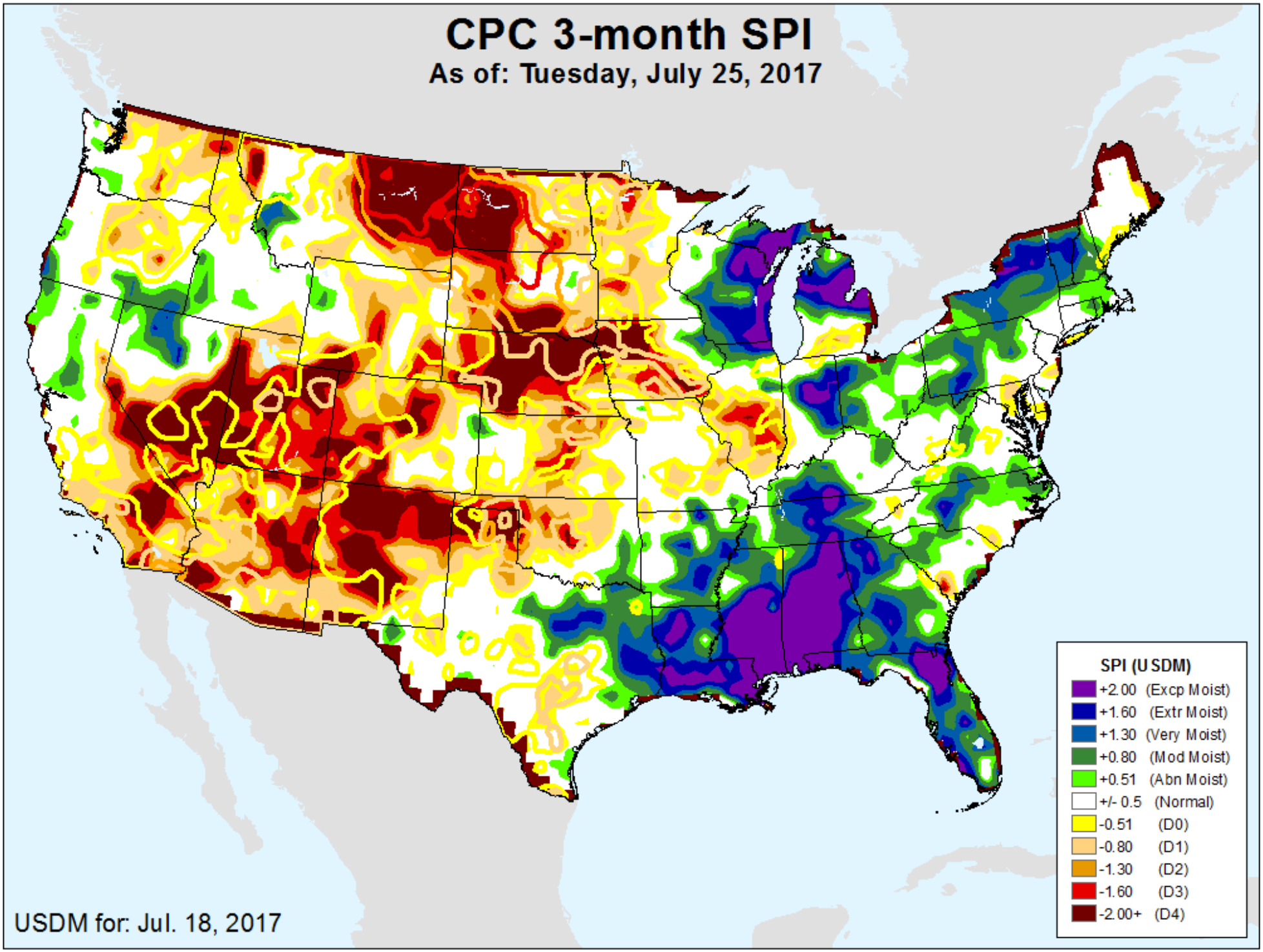
USDM for: Jul. 18, 2017


AHPS 24-month SPI
As of: Tuesday, July 25, 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. 18, 2017

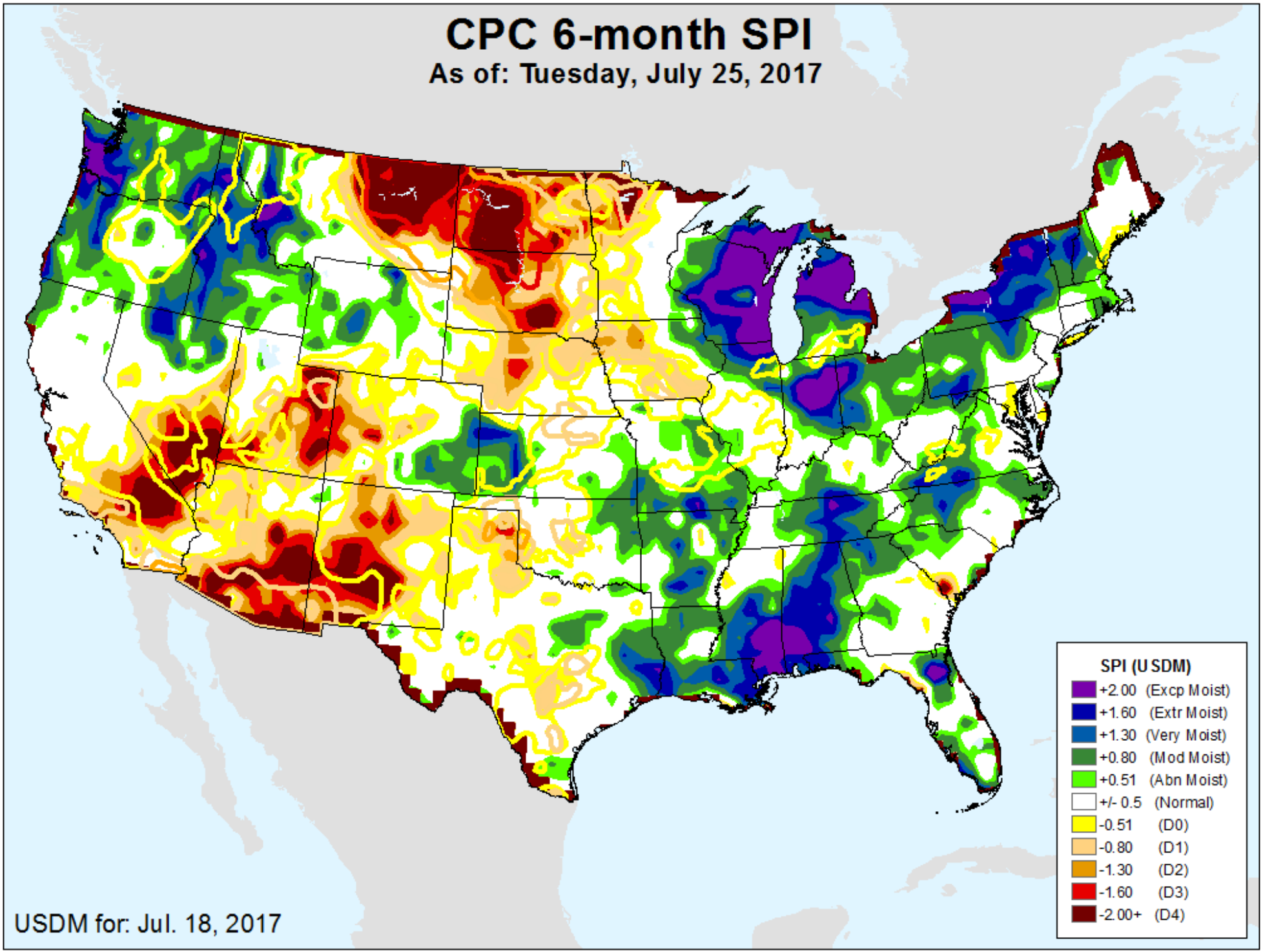

AHPS 36-month SPI
As of: Tuesday, July 25, 2017
SPI (USDM)
+2.00 (Excp Moist)
+1.60 (Extr Moist)
+1.30 (Very Moist)
+0.80 (Mod Moist)
+0.51 (Abn Moist)
+/- 0.5 (Normal)
-0.51 (D0)
-0.80 (D1)
-1.30 (D2)
-1.60 (D3)
-2.00+ (D4)
USDM for: Jul. 18, 2017

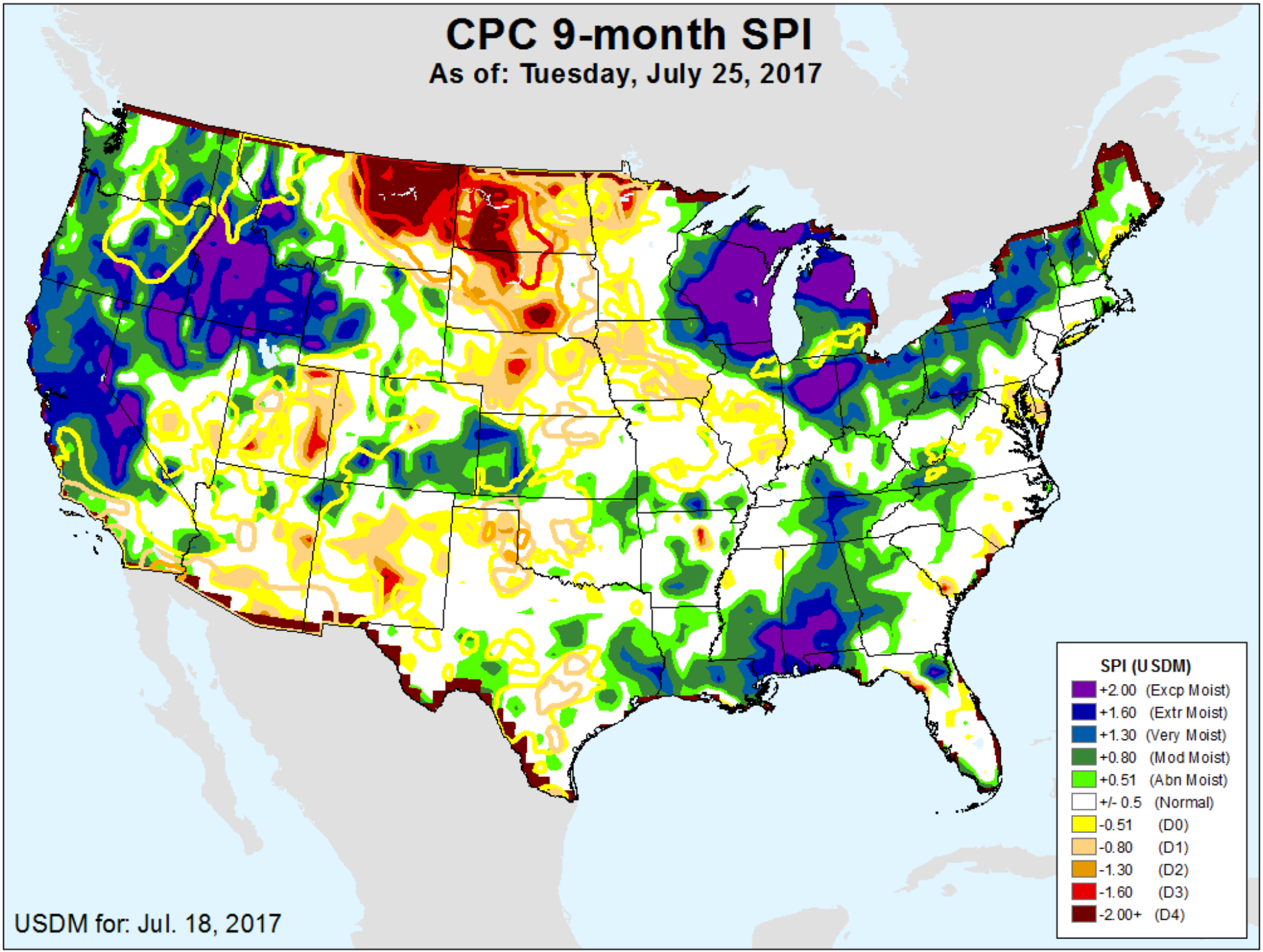
CPC 3-month SPI

As of: Tuesday, July 25, 2017



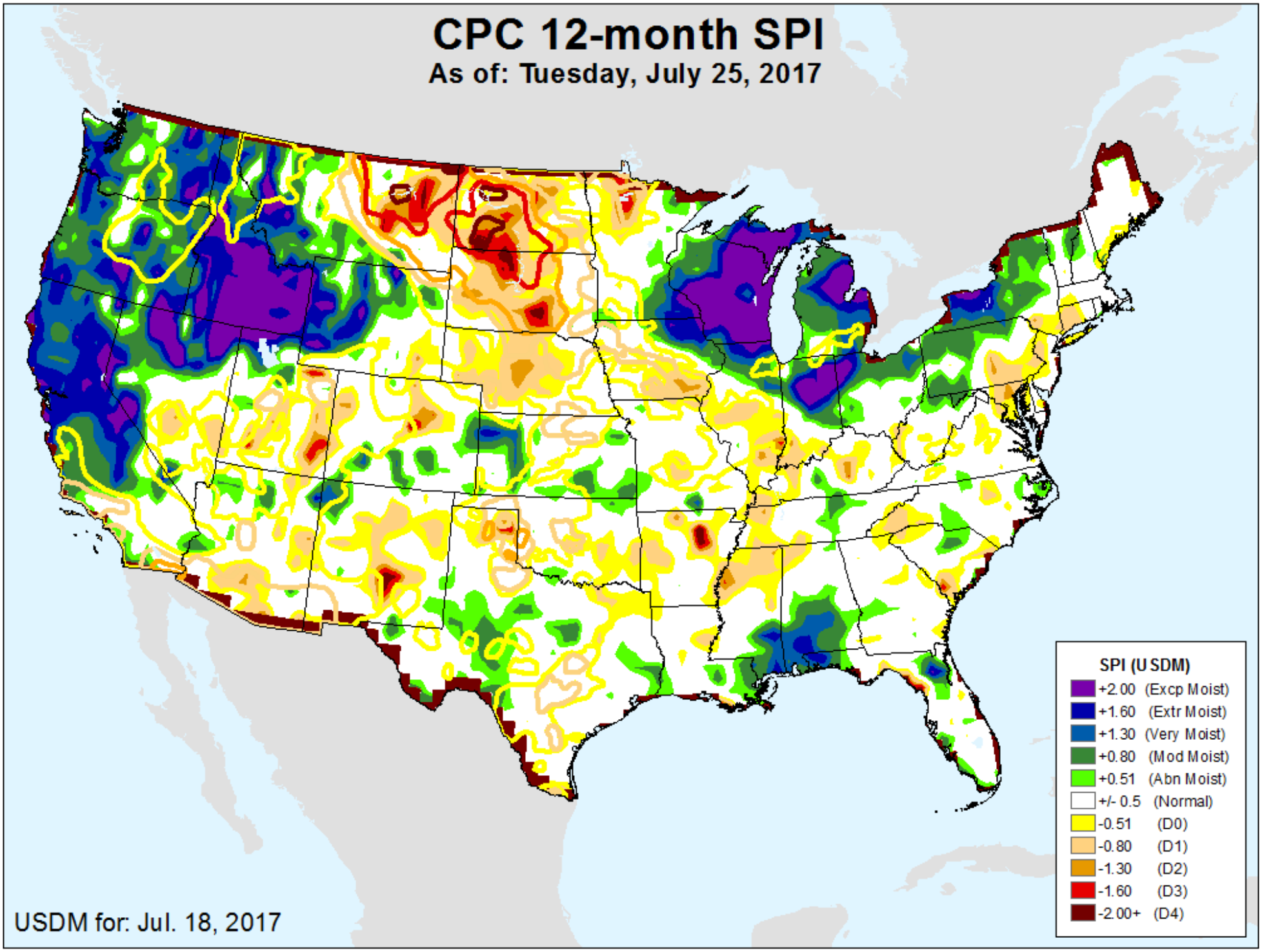
USDM for: Jul. 18, 2017


CPC 6-month SPI
As of: Tuesday, July 25, 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. 18, 2017


CPC 9-month SPI
As of: Tuesday, July 25, 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. 18, 2017

CPC 12-month SPI

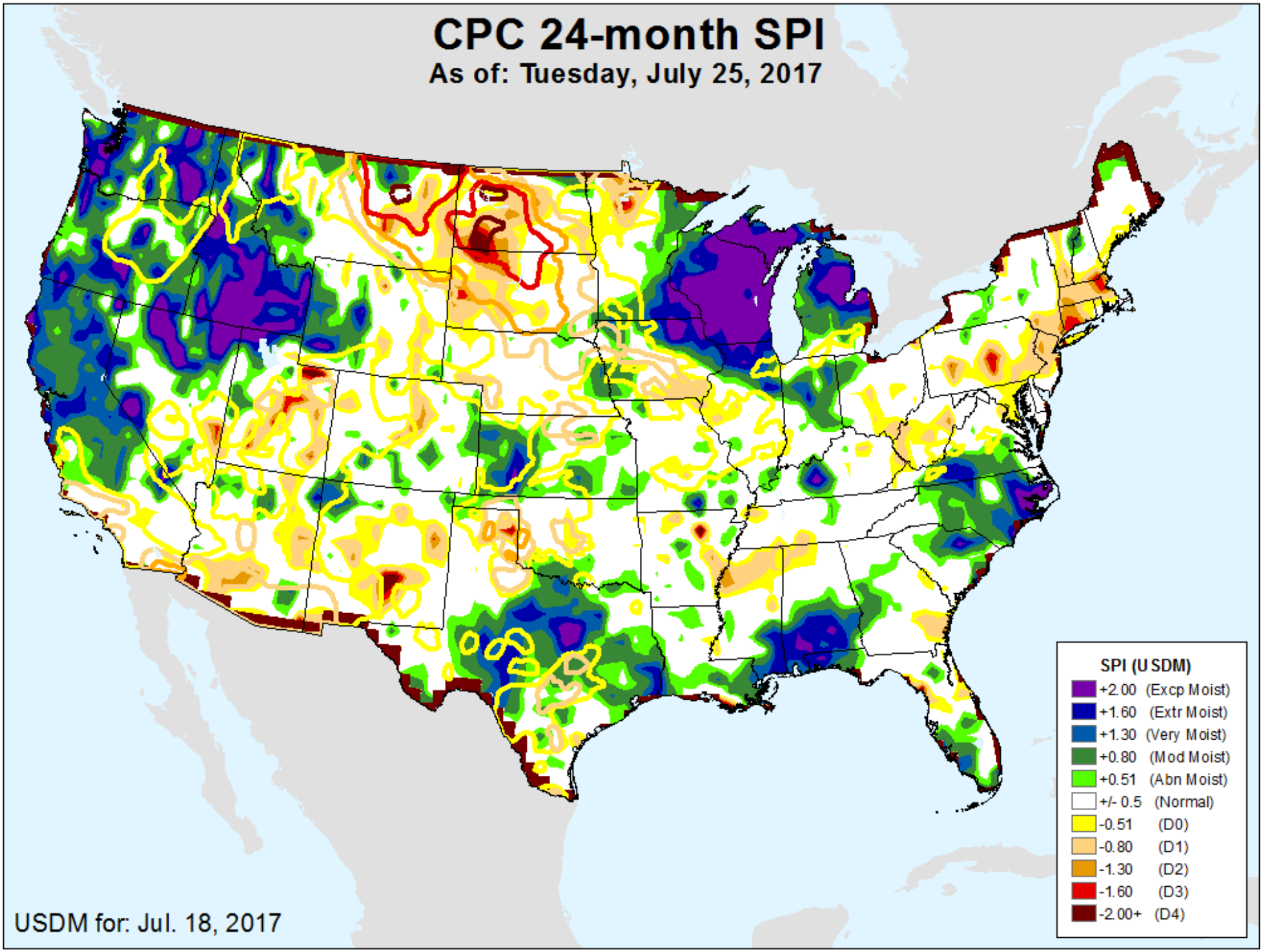
As of: Tuesday, July 25, 2017



USDM for: Jul. 18, 2017

CPC 24-month SPI

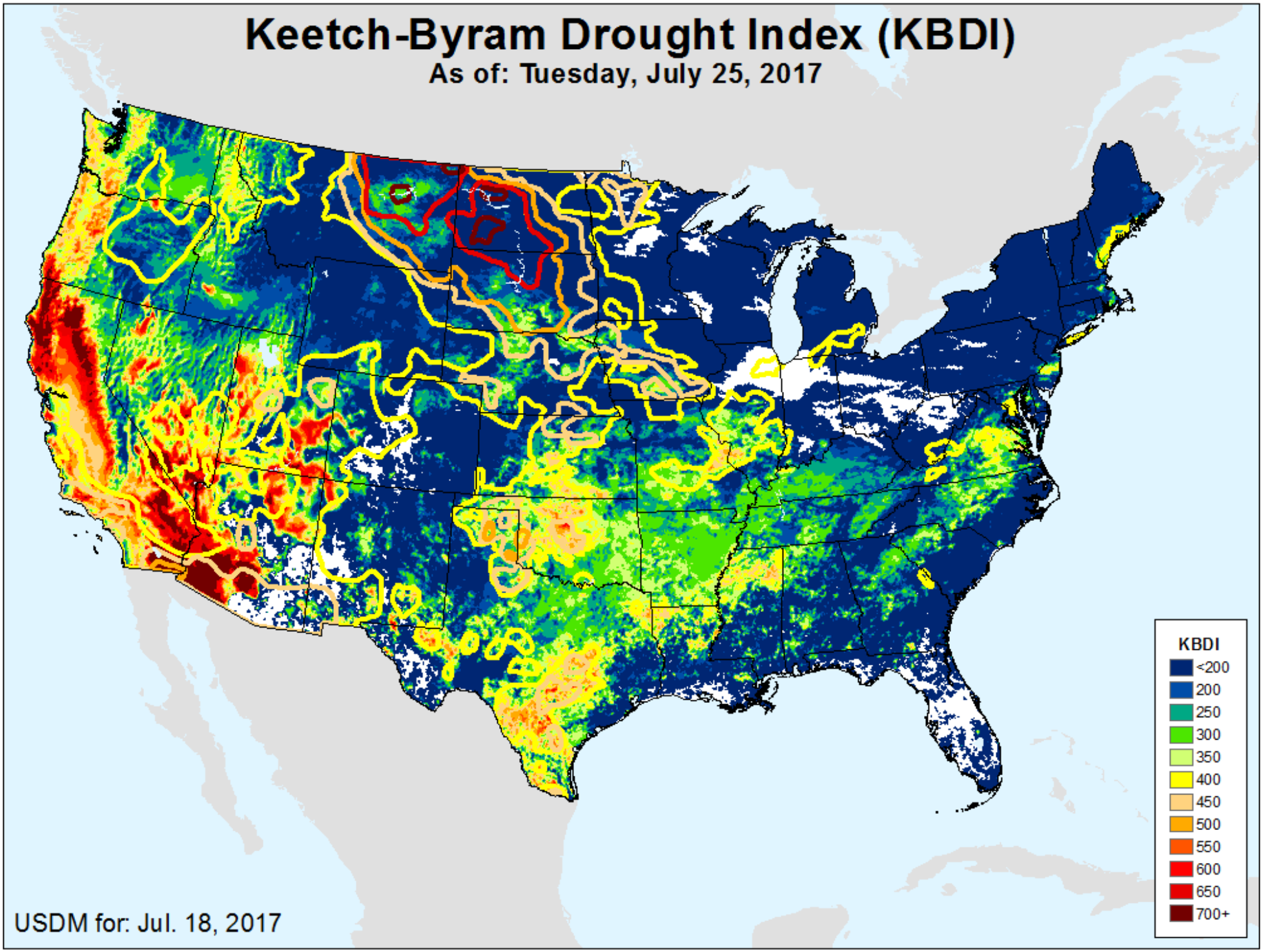
As of: Tuesday, July 25, 2017

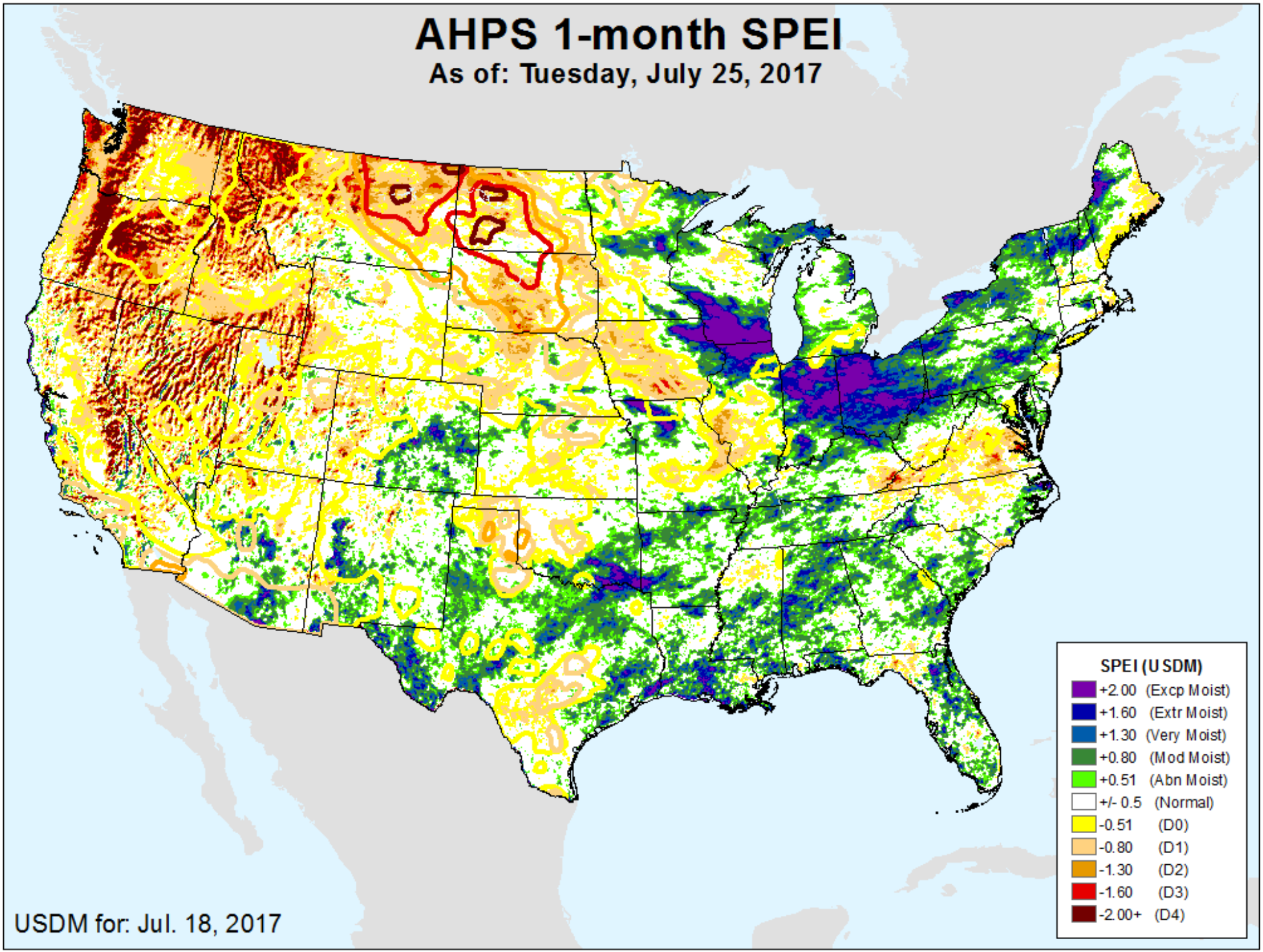


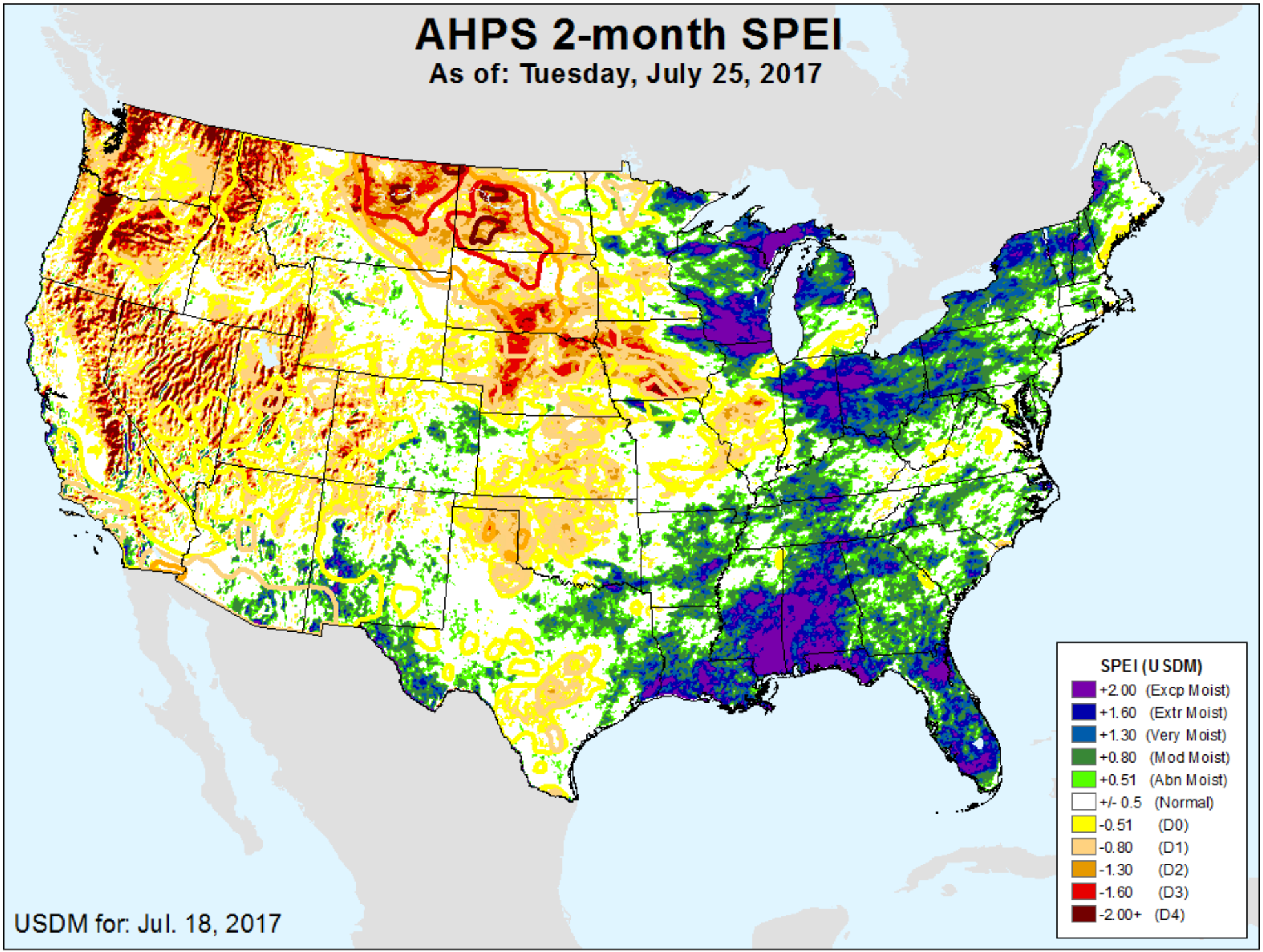
USDM for: Jul. 18, 2017

Keetch-Byram Drought Index (KBDI)

As of: Tuesday, July 25, 2017

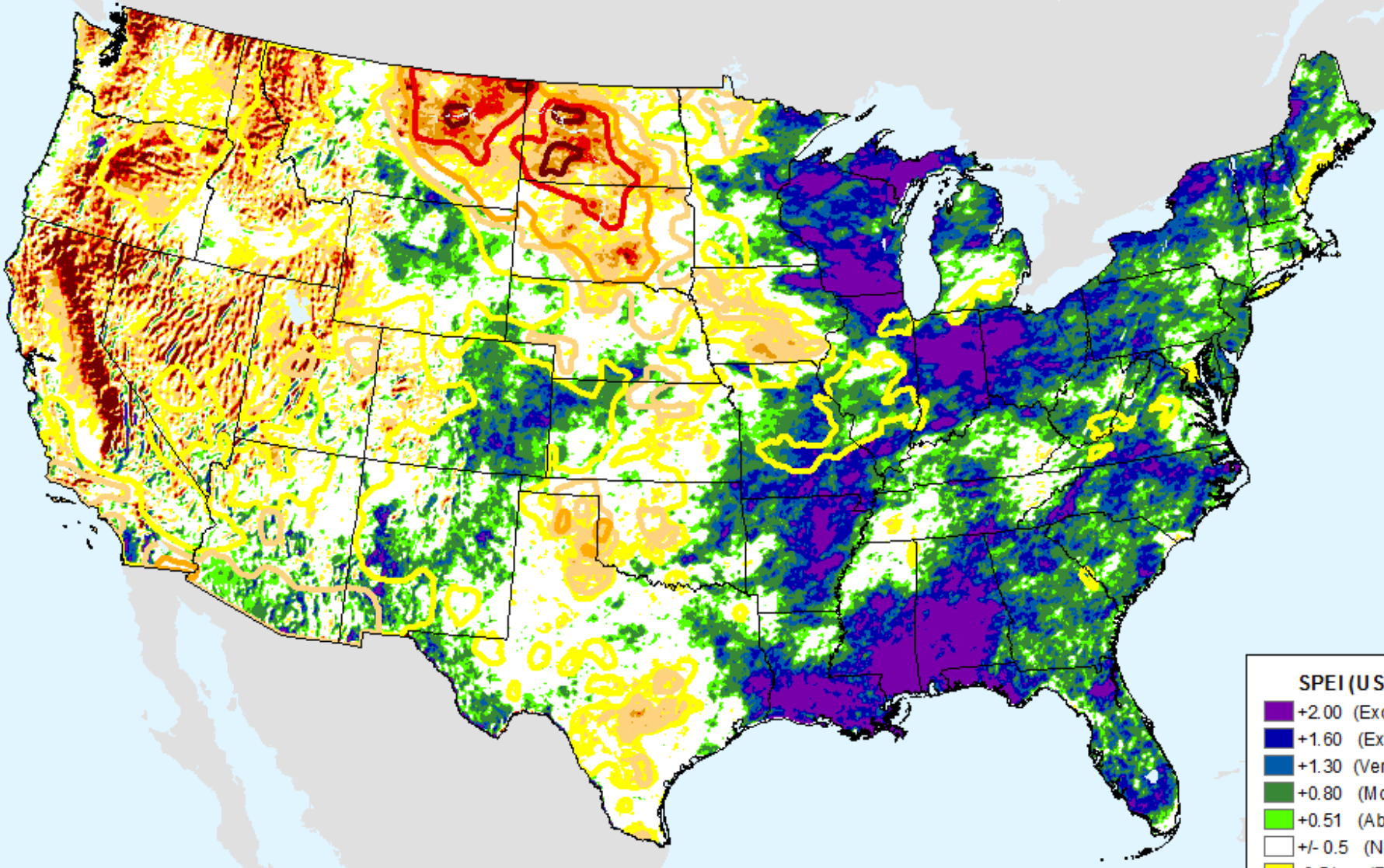



AHPS 1-month SPEI
As of: Tuesday, July 25, 2017
SPEI (USDM)
+2.00 (Excp Moist)
+1.60 (Extr Moist)
+1.30 (Very Moist)
+0.80 (Mod Moist)
+0.51 (Abn Moist)
+/- 0.5 (Normal)
-0.51 (D0)
-0.80 (D1)
-1.30 (D2)
-1.60 (D3)
-2.00+ (D4)
USDM for: Jul. 18, 2017


AHPS 2-month SPEI
As of: Tuesday, July 25, 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. 18, 2017

AHPS 3-month SPEI

As of: Tuesday, July 25, 2017



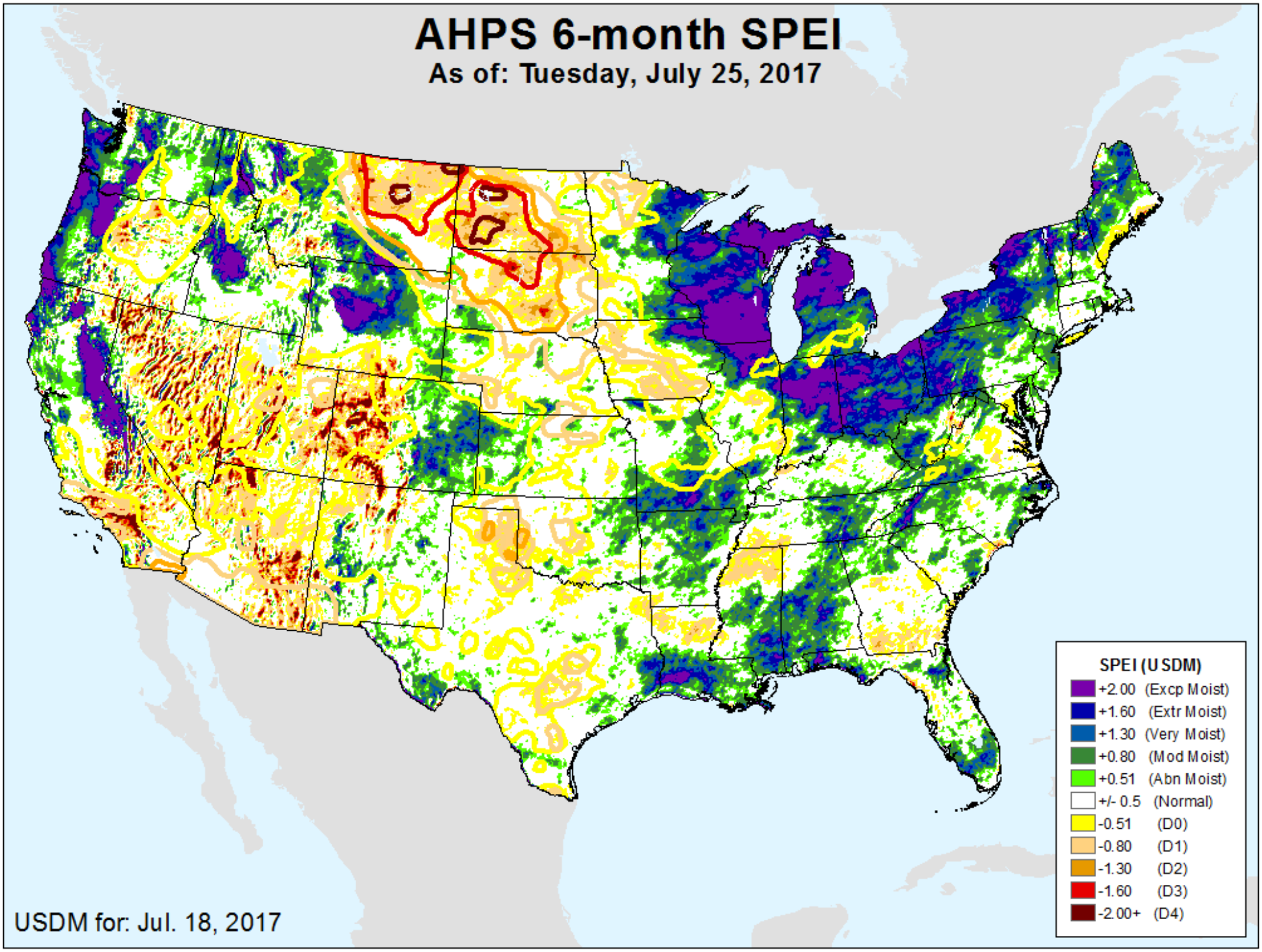
SPEI (USDM)

+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. 18, 2017

AHPS 6-month SPEI

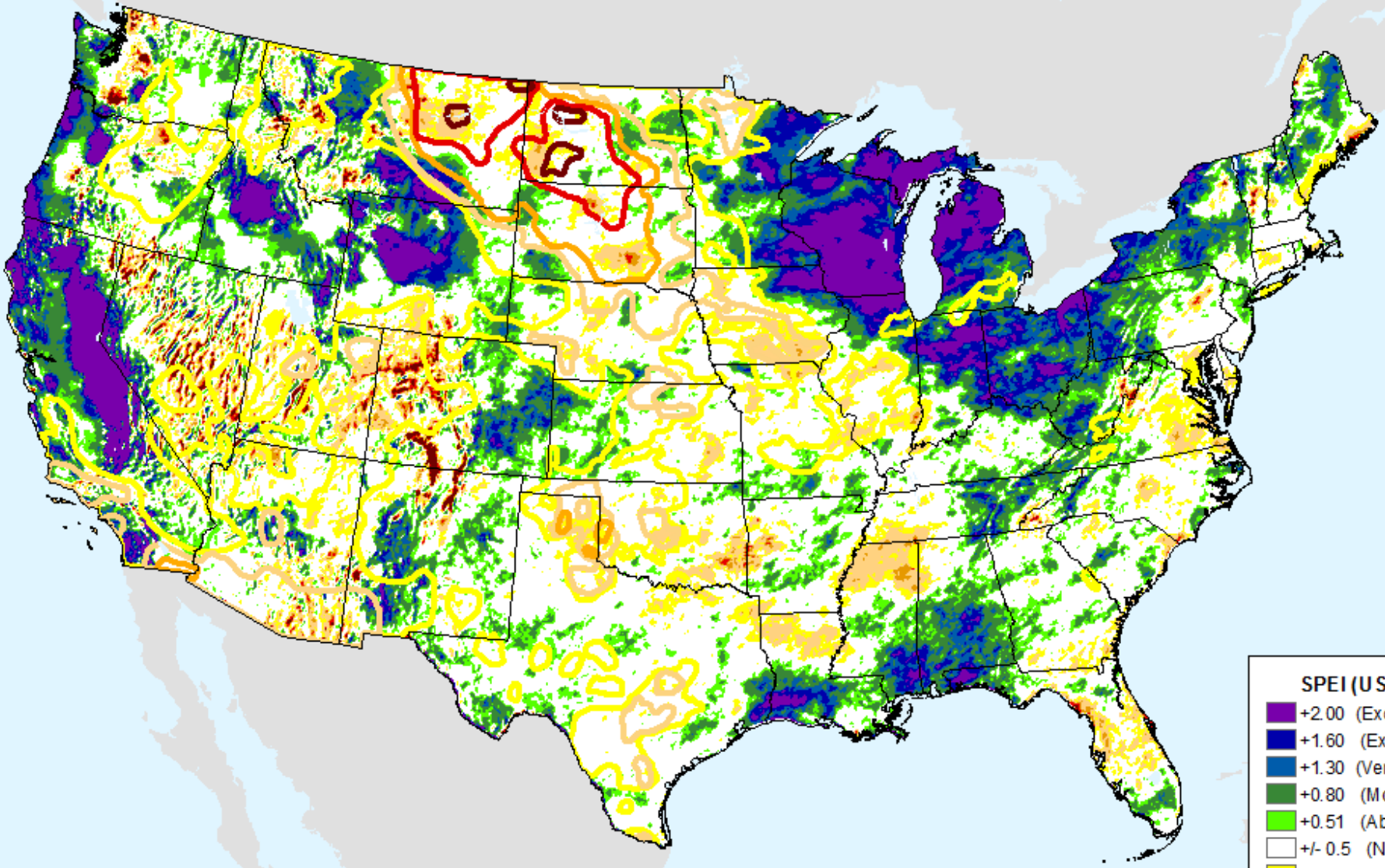
As of: Tuesday, July 25, 2017



USDM for: Jul. 18, 2017

AHPS 9-month SPEI

As of: Tuesday, July 25, 2017



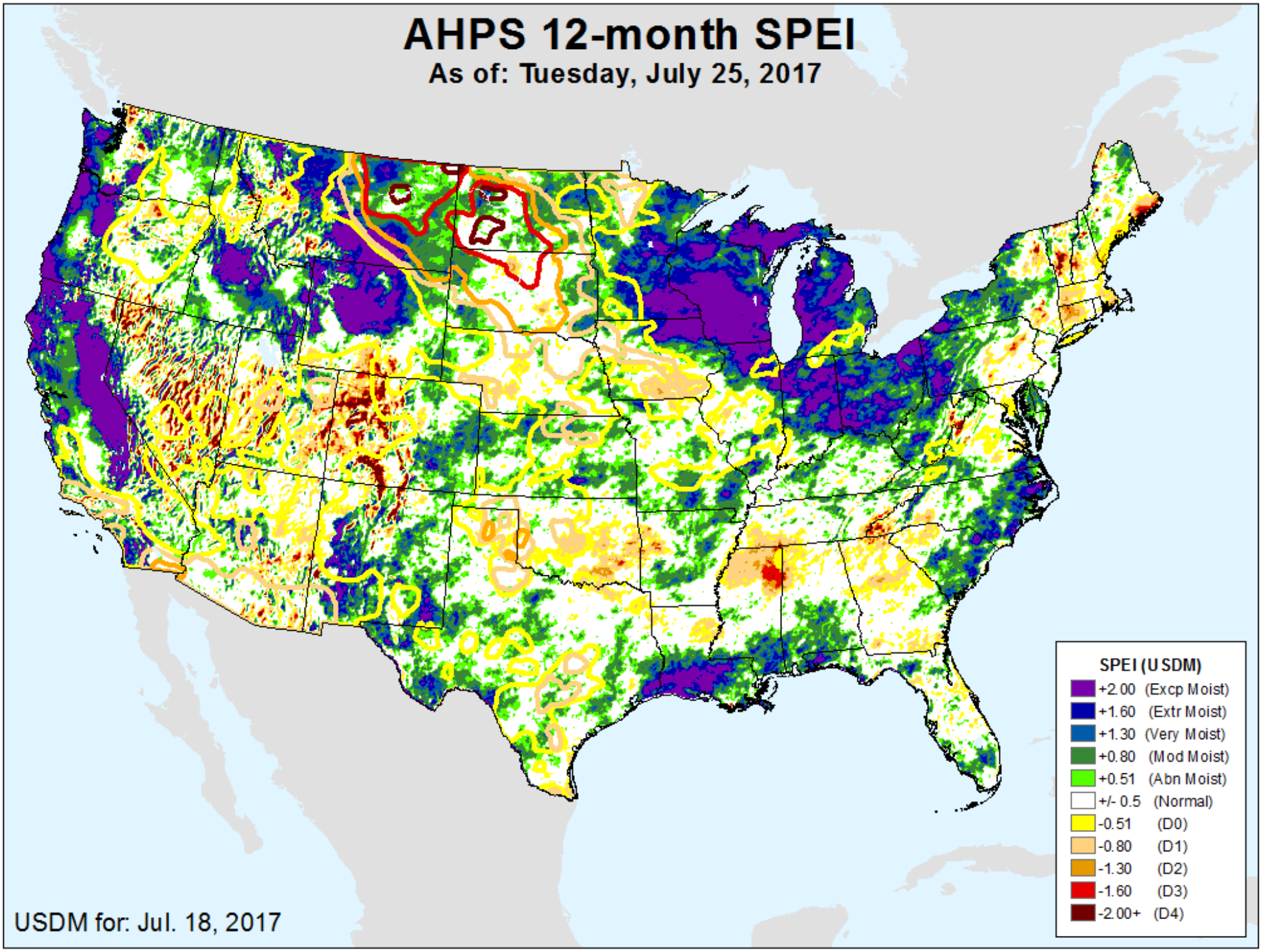
SPEI (USDM)

+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. 18, 2017

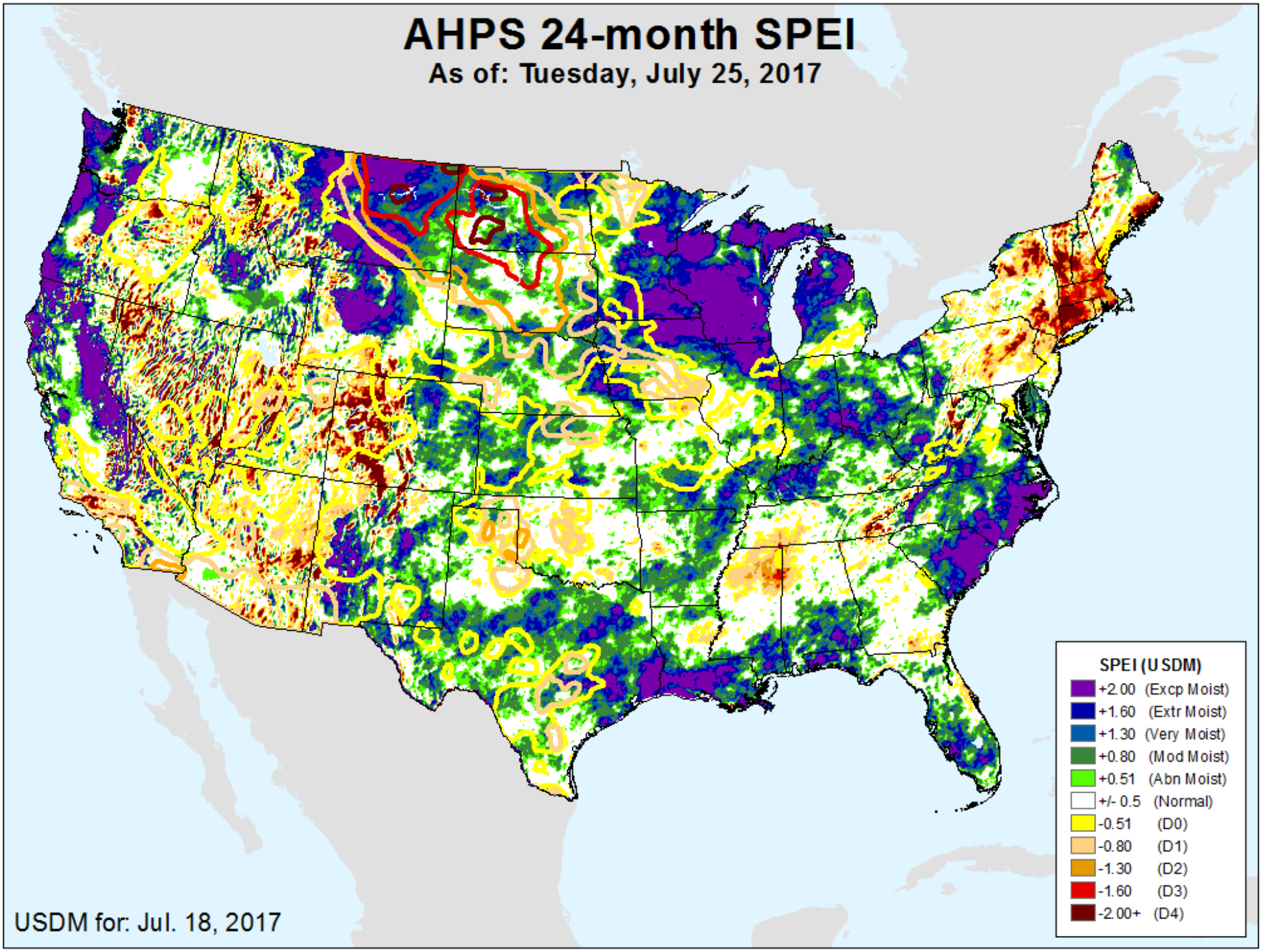
AHPS 12-month SPEI

As of: Tuesday, July 25, 2017



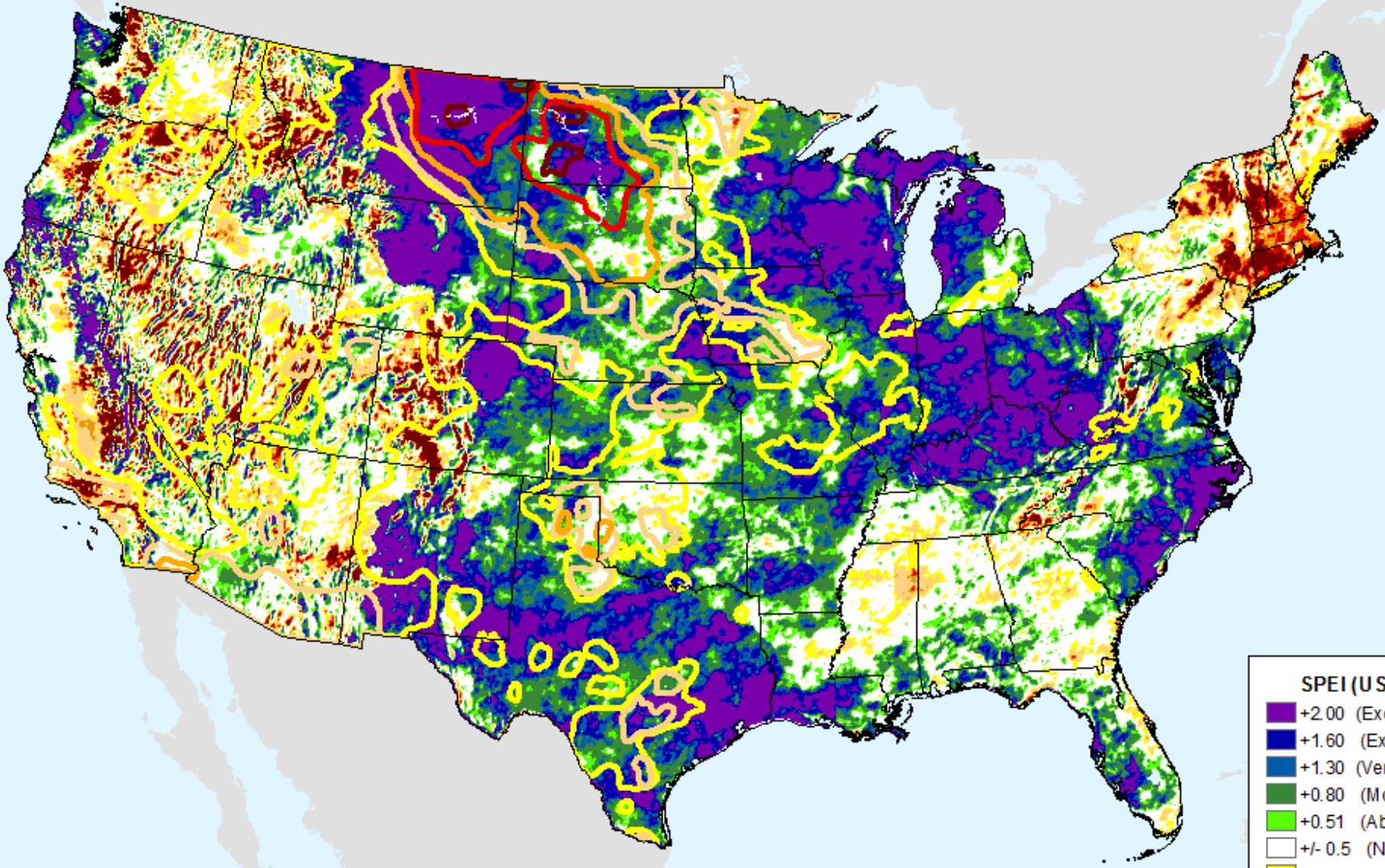
AHPS 24-month SPEI

As of: Tuesday, July 25, 2017



AHPS 36-month SPEI

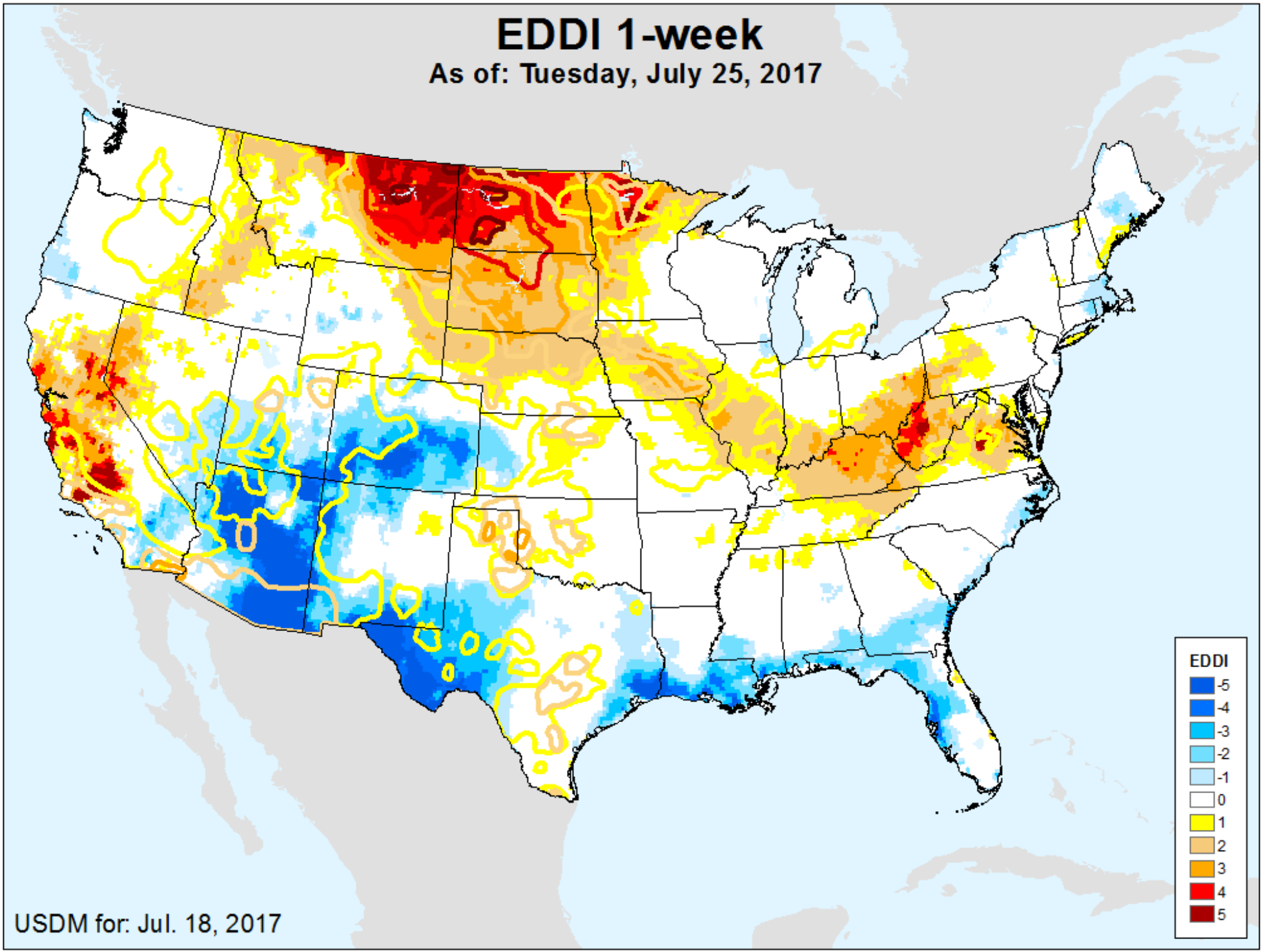
As of: Tuesday, July 25, 2017

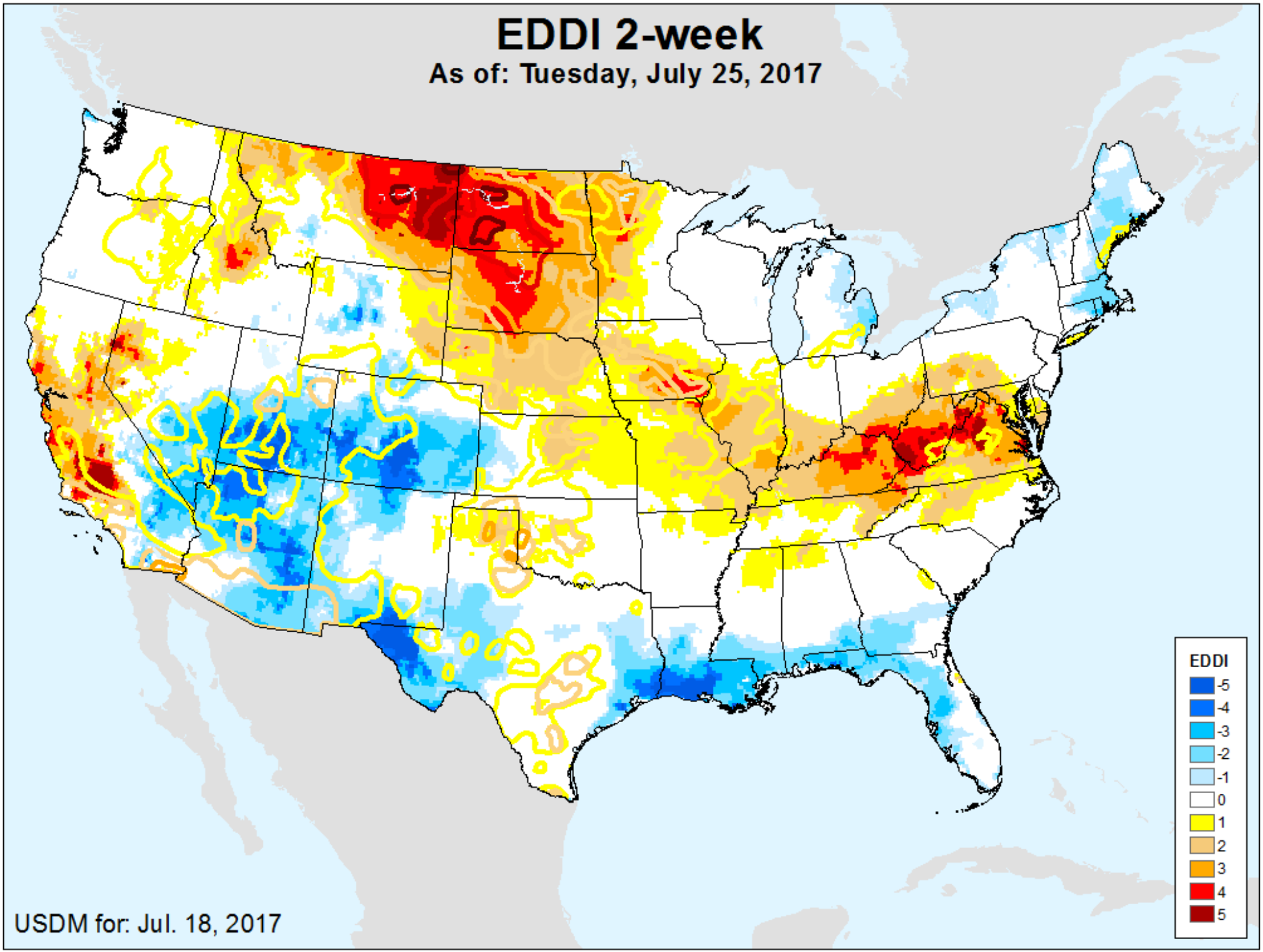


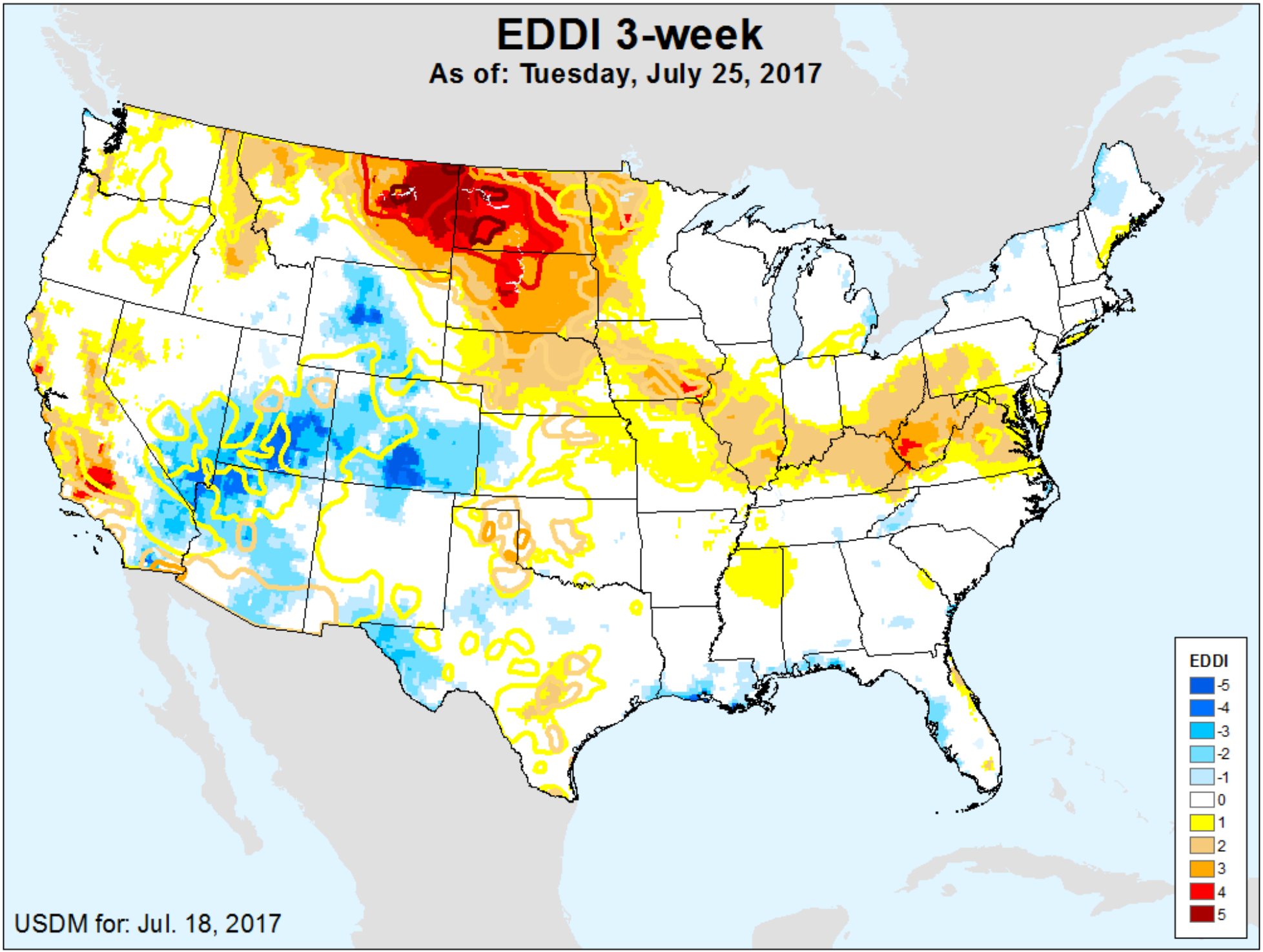
SPEI (USDM)

- +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. 18, 2017

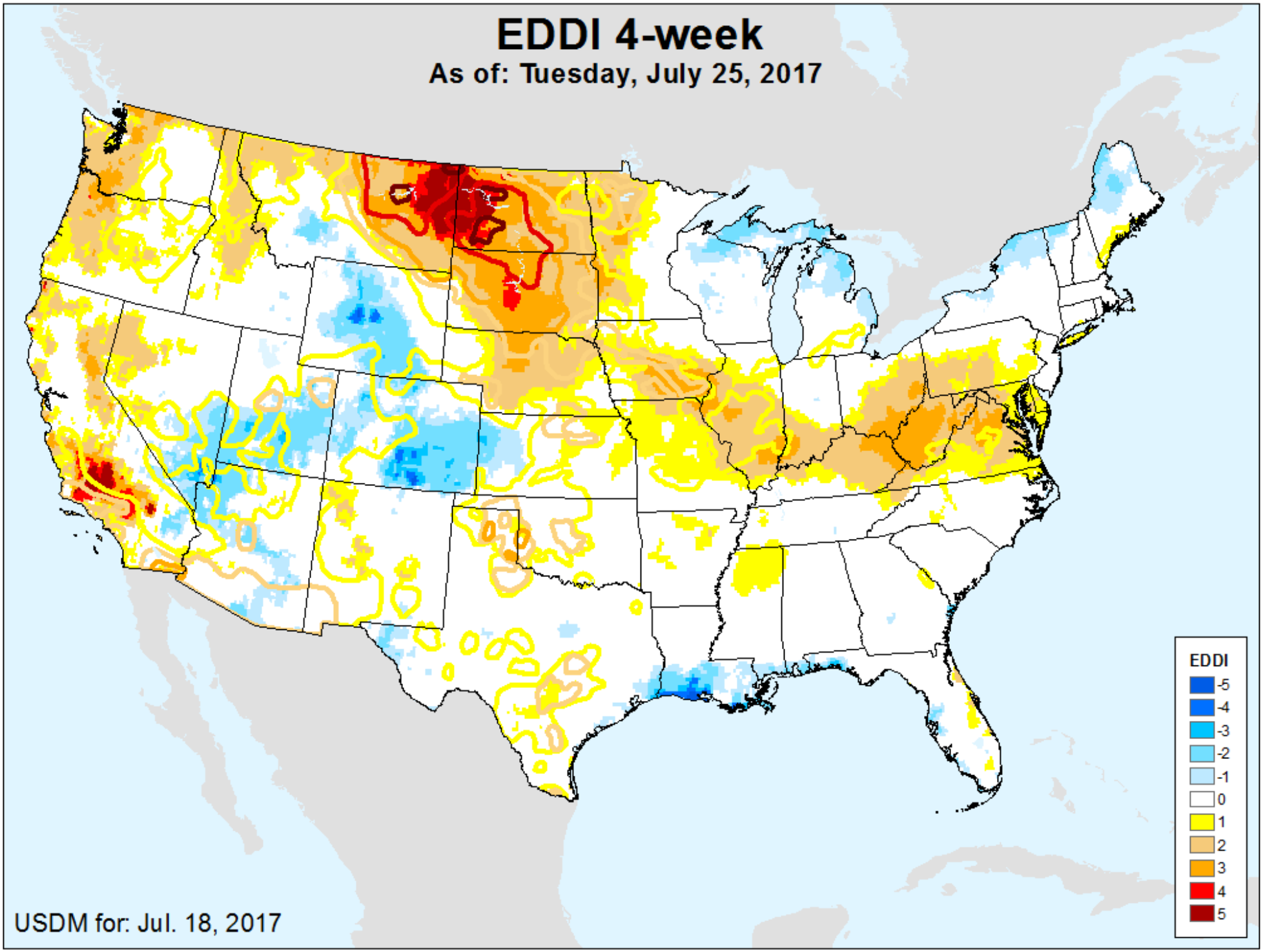

EDDI 1-week
As of: Tuesday, July 25, 2017
EDDI
-5
-4
-3
-2
-1
0
1
2
3
4
5
USDM for: Jul. 18, 2017

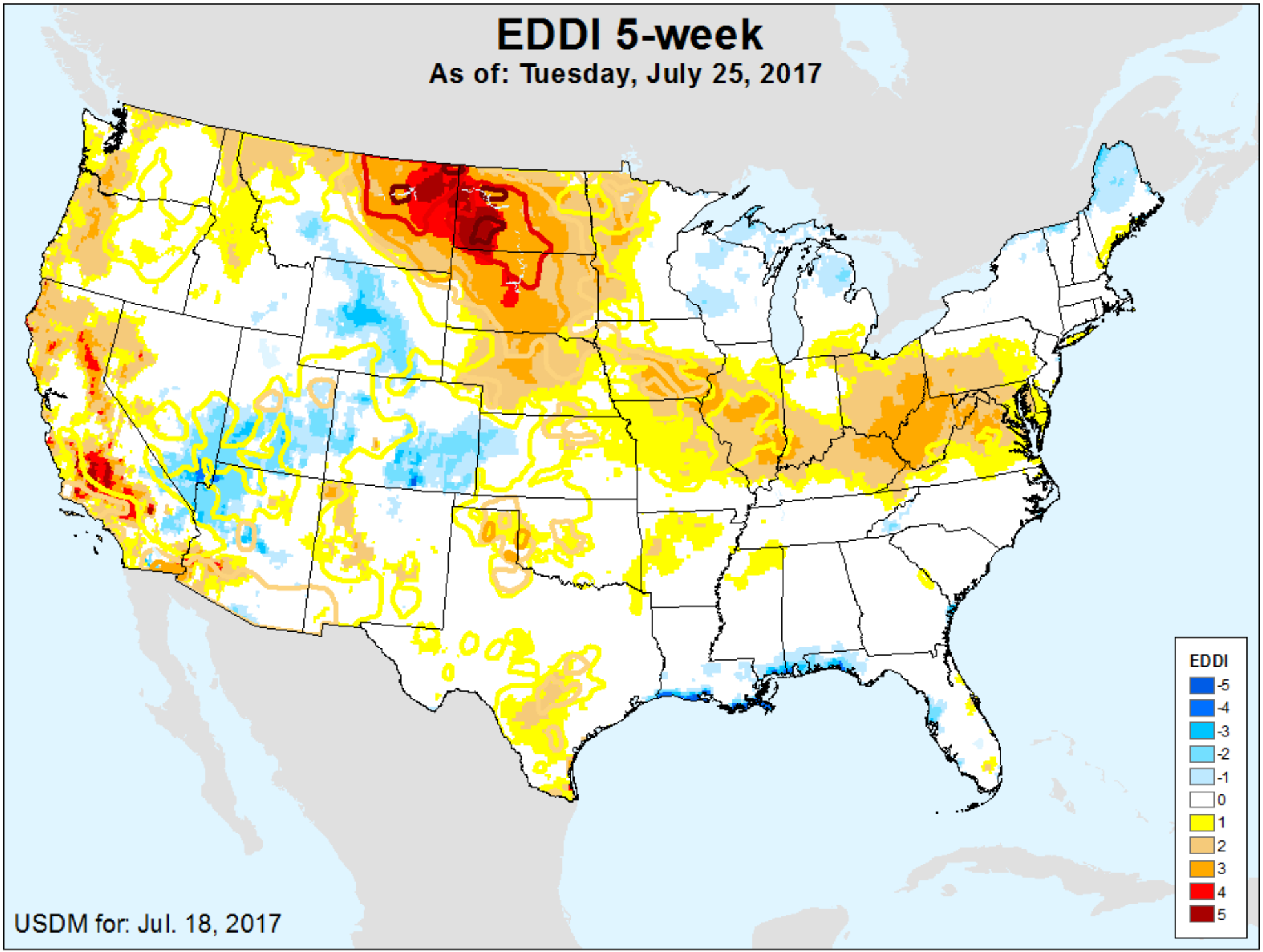

EDDI 2-week
As of: Tuesday, July 25, 2017
EDDI
-5
-4
-3
-2
-1
0
1
2
3
4
5
USDM for: Jul. 18, 2017


EDDI 3-week
As of: Tuesday, July 25, 2017
EDDI
-5
-4
-3
-2
-1
0
1
2
3
4
5
USDM for: Jul. 18, 2017

EDDI 4-week

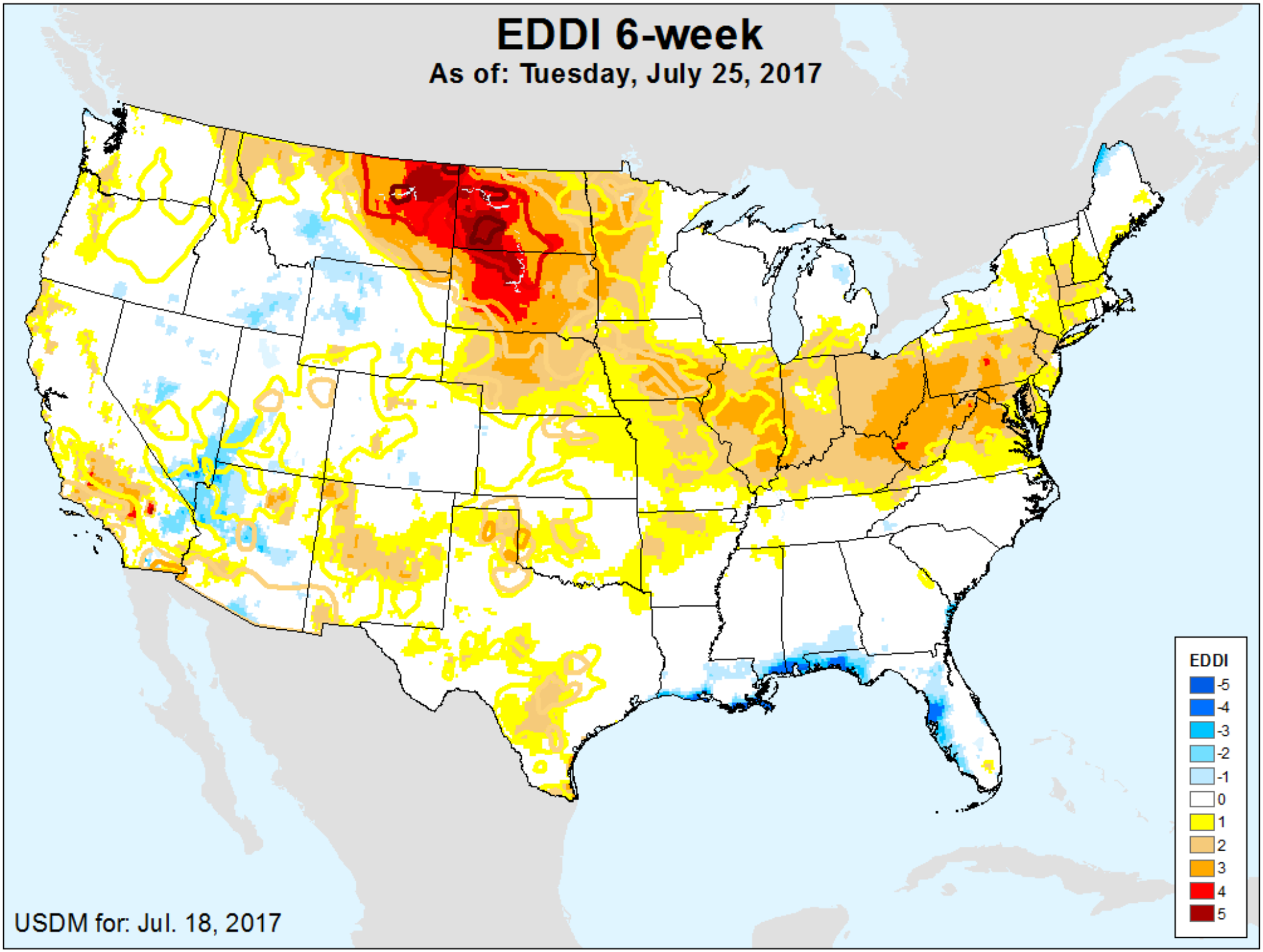
As of: Tuesday, July 25, 2017

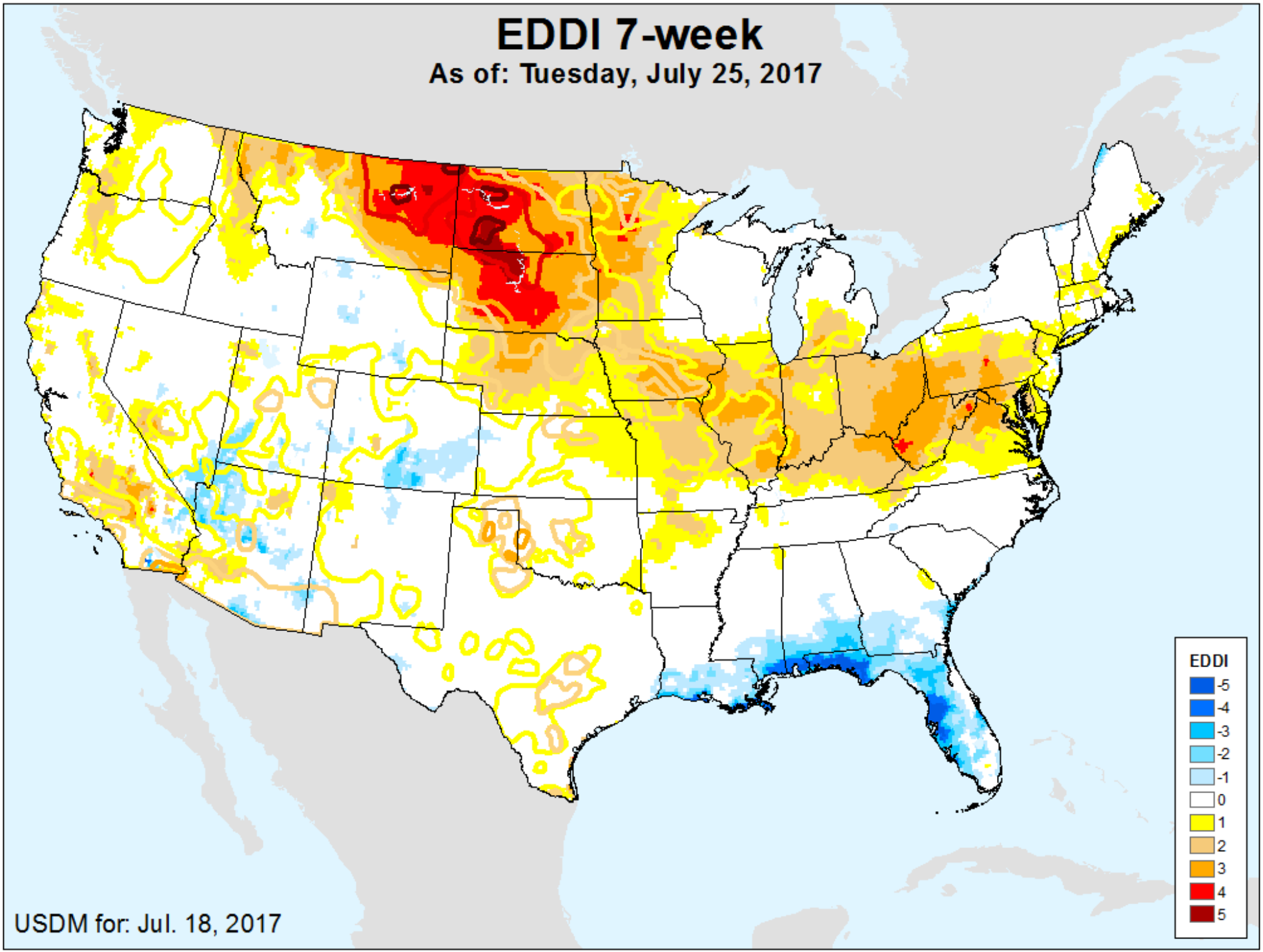


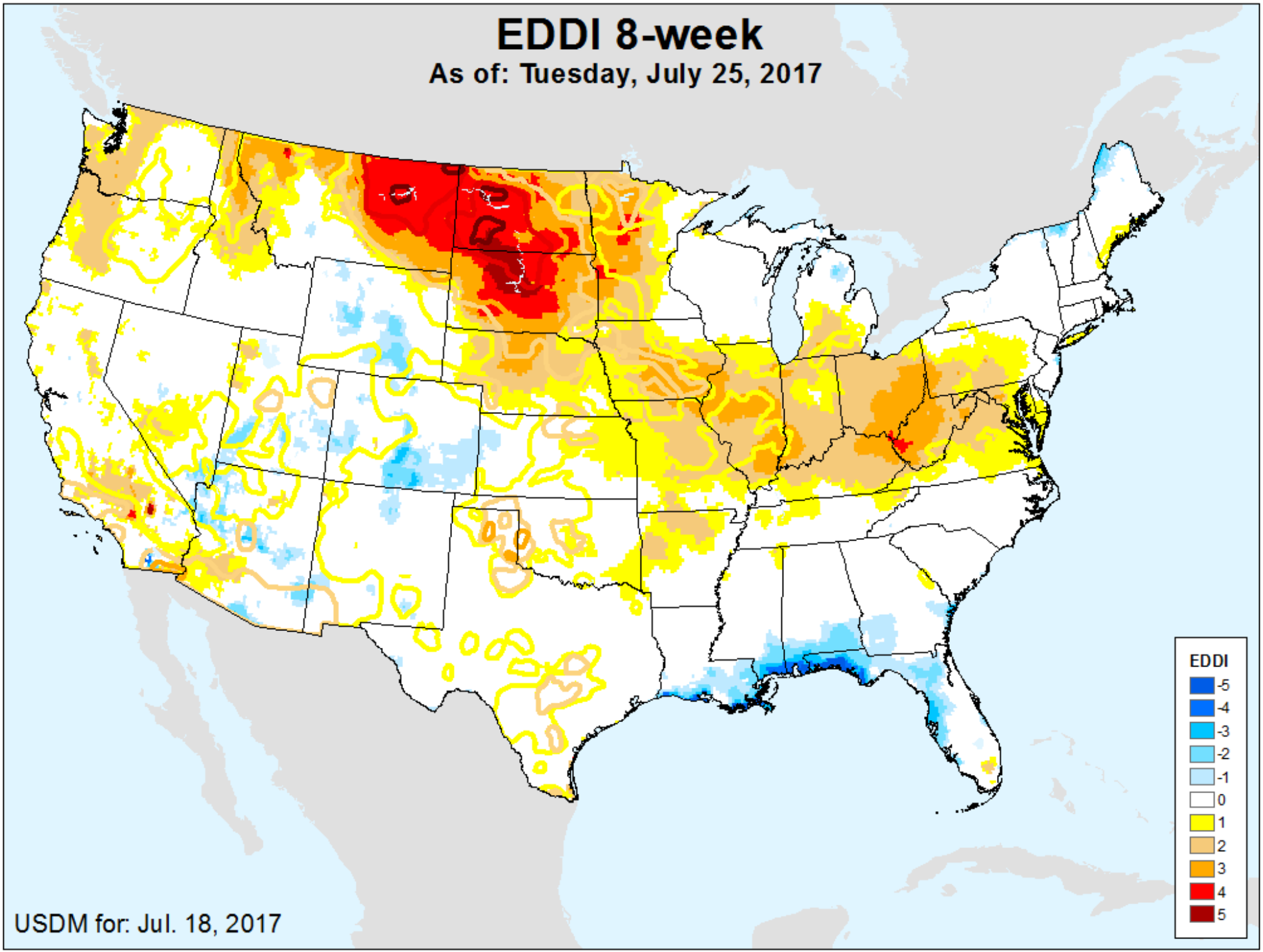

EDDI 5-week
As of: Tuesday, July 25, 2017
EDDI
-5
-4
-3
-2
-1
0
1
2
3
4
5
USDM for: Jul. 18, 2017

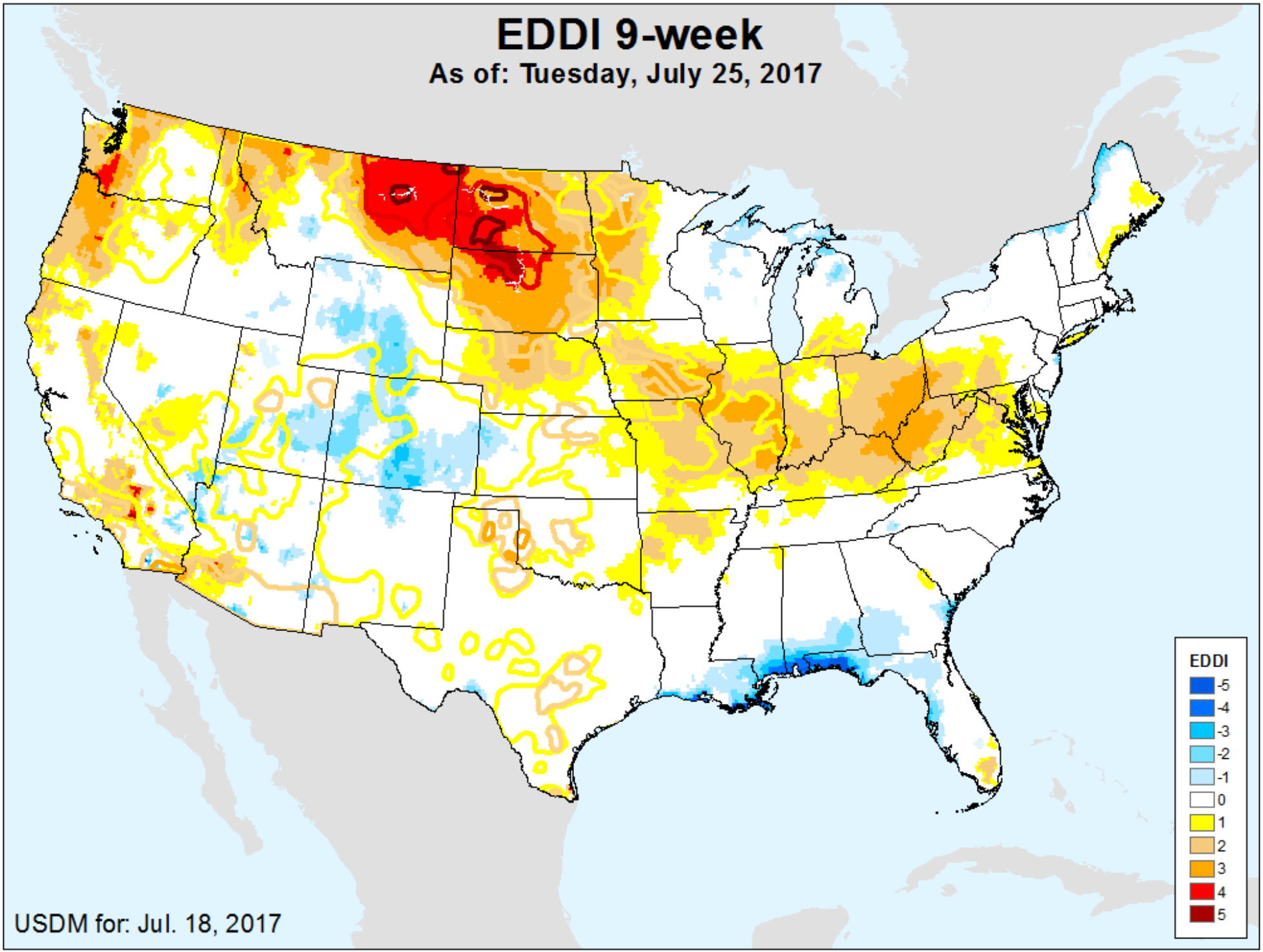
EDDI 6-week

As of: Tuesday, July 25, 2017



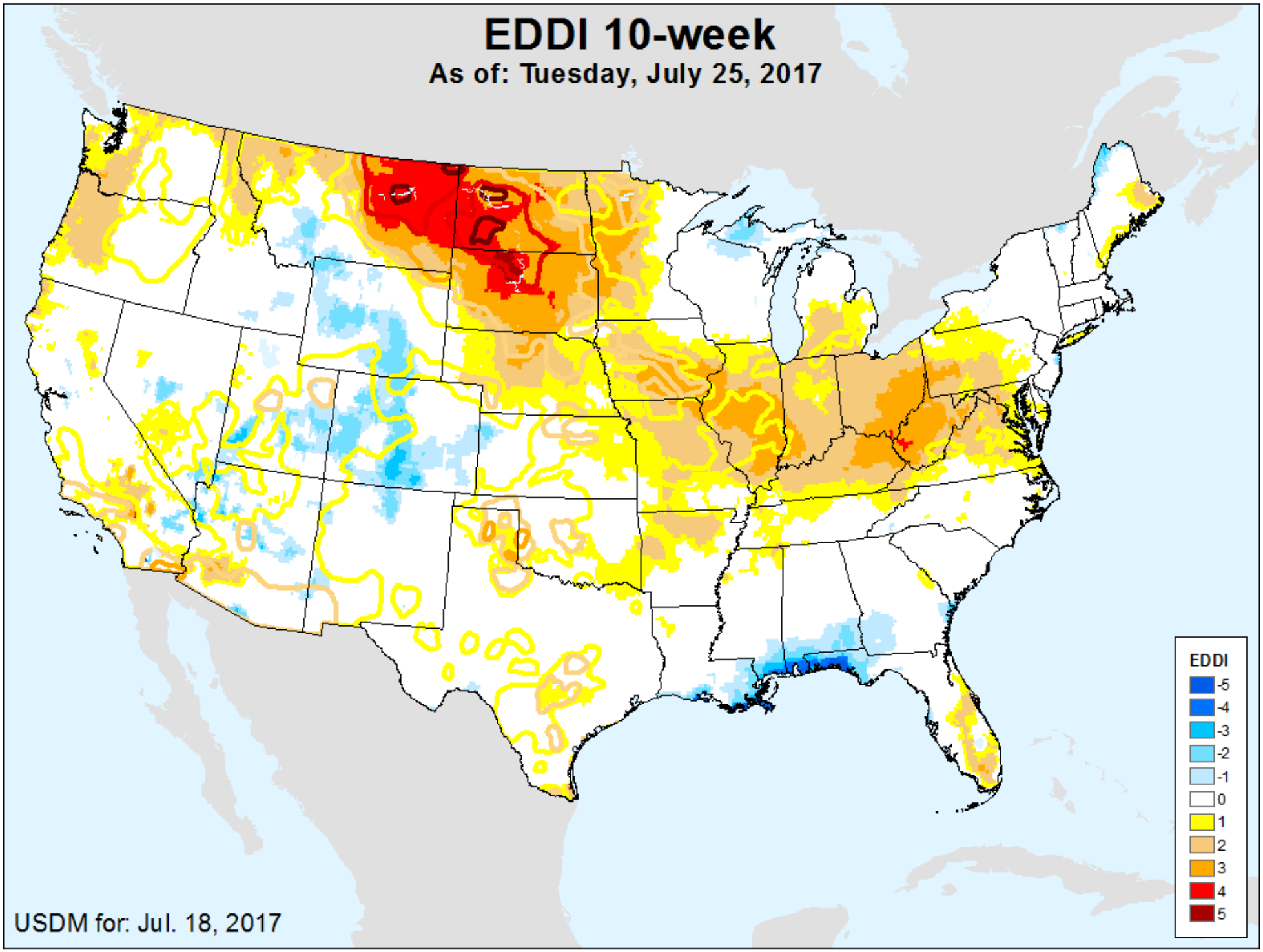

EDDI 7-week
As of: Tuesday, July 25, 2017
EDDI
-5
-4
-3
-2
-1
0
1
2
3
4
5
USDM for: Jul. 18, 2017

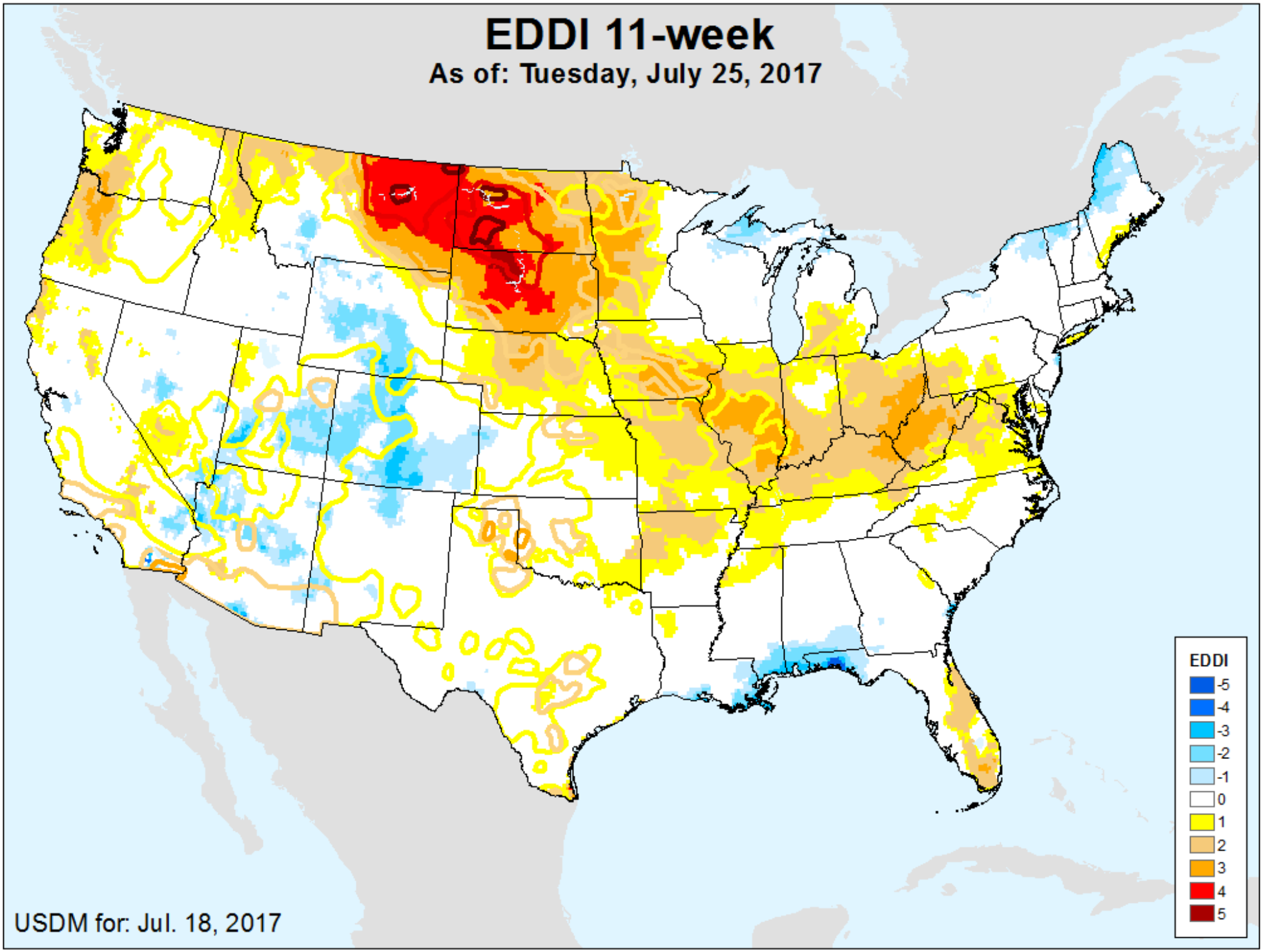

EDDI 8-week
As of: Tuesday, July 25, 2017
EDDI
-5
-4
-3
-2
-1
0
1
2
3
4
5
USDM for: Jul. 18, 2017

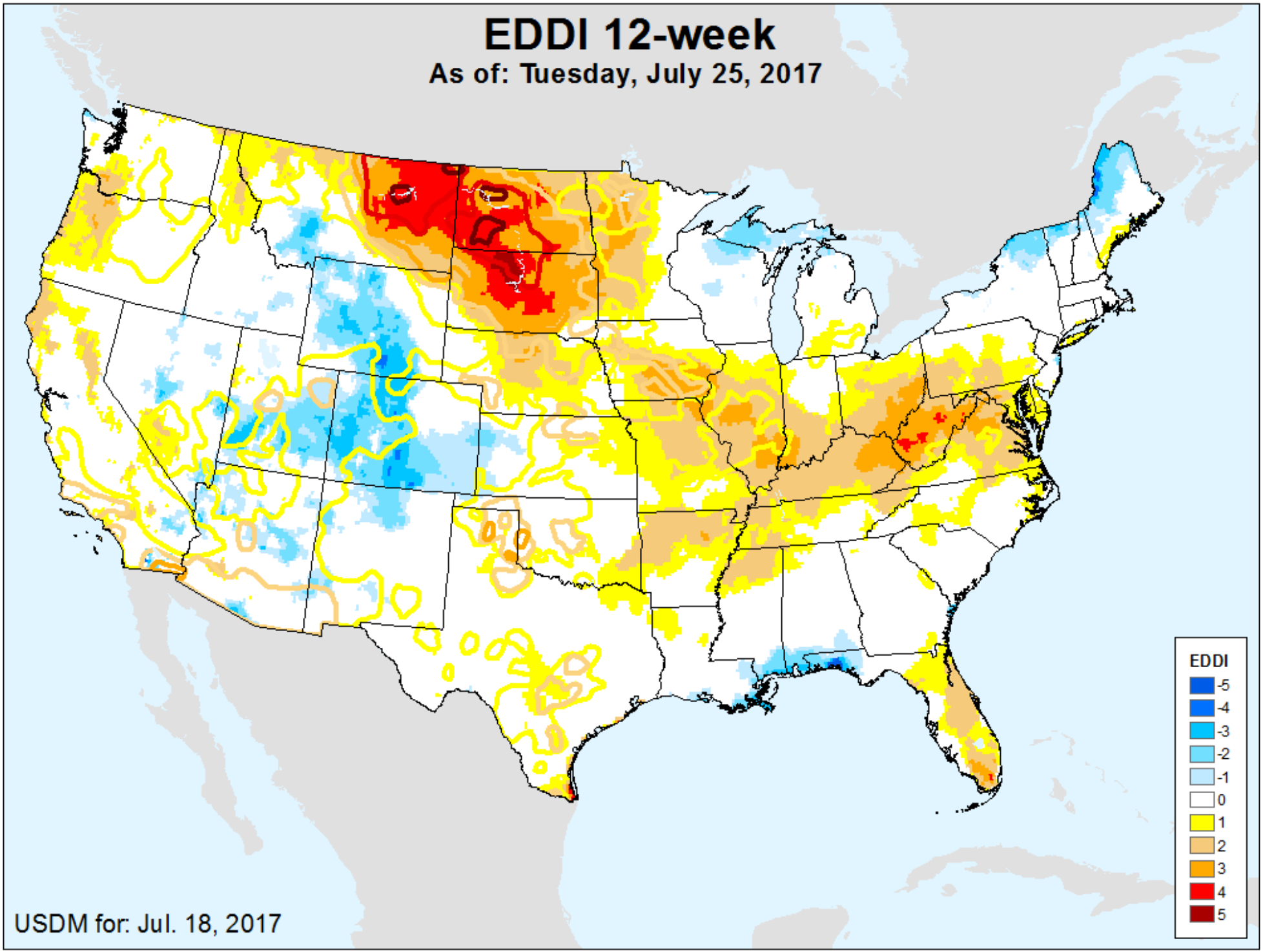

EDDI 9-week
As of: Tuesday, July 25, 2017
EDDI
-5
-4
-3
-2
-1
0
1
2
3
4
5
USDM for: Jul. 18, 2017

EDDI 10-week

As of: Tuesday, July 25, 2017

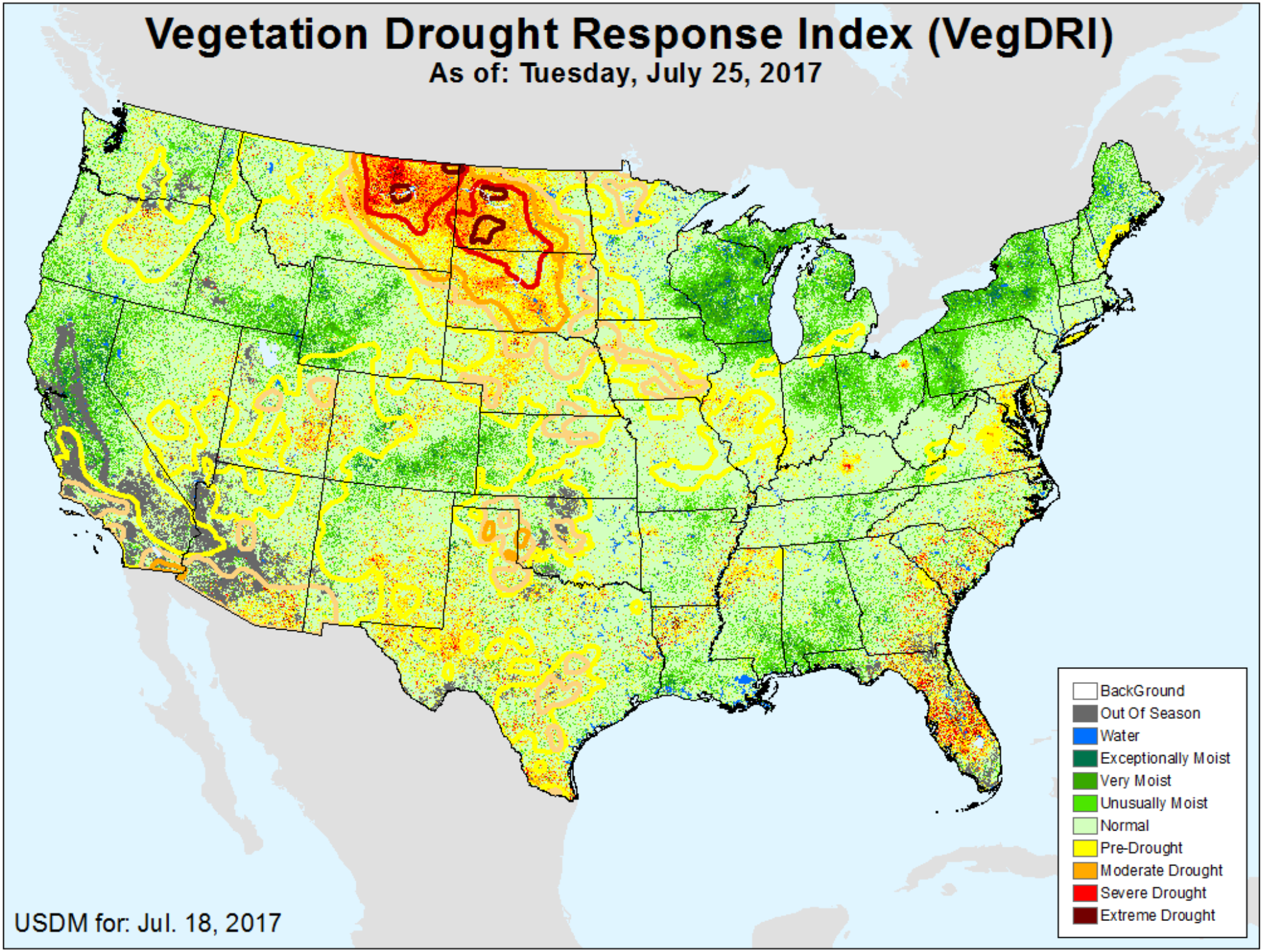



EDDI 11-week
As of: Tuesday, July 25, 2017
EDDI
-5
-4
-3
-2
-1
0
1
2
3
4
5
USDM for: Jul. 18, 2017


EDDI 12-week
As of: Tuesday, July 25, 2017
EDDI
-5
-4
-3
-2
-1
0
1
2
3
4
5
USDM for: Jul. 18, 2017

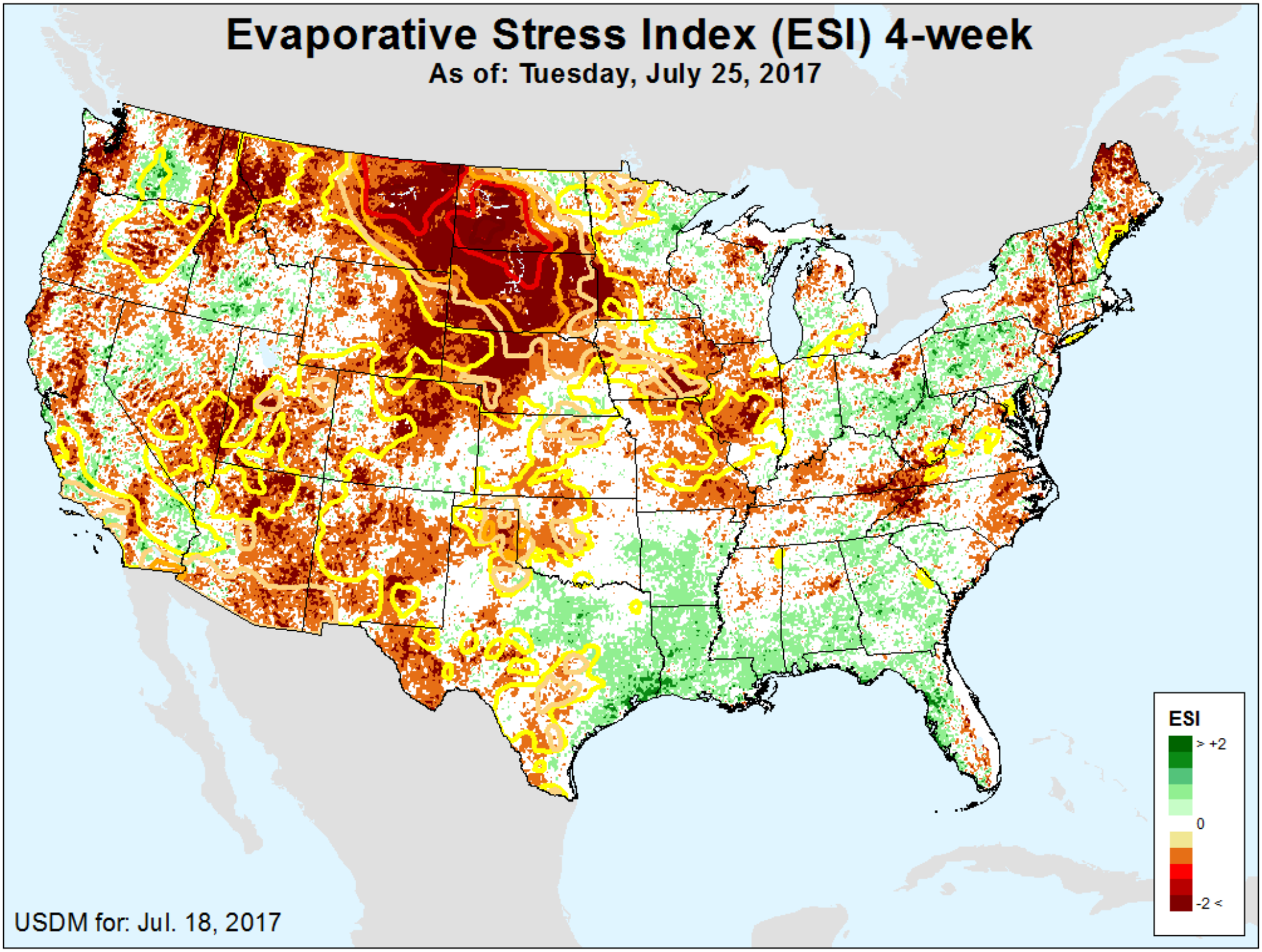
Vegetation Drought Response Index (VegDRI)

As of: Tuesday, July 25, 2017



Evaporative Stress Index (ESI) 4-week

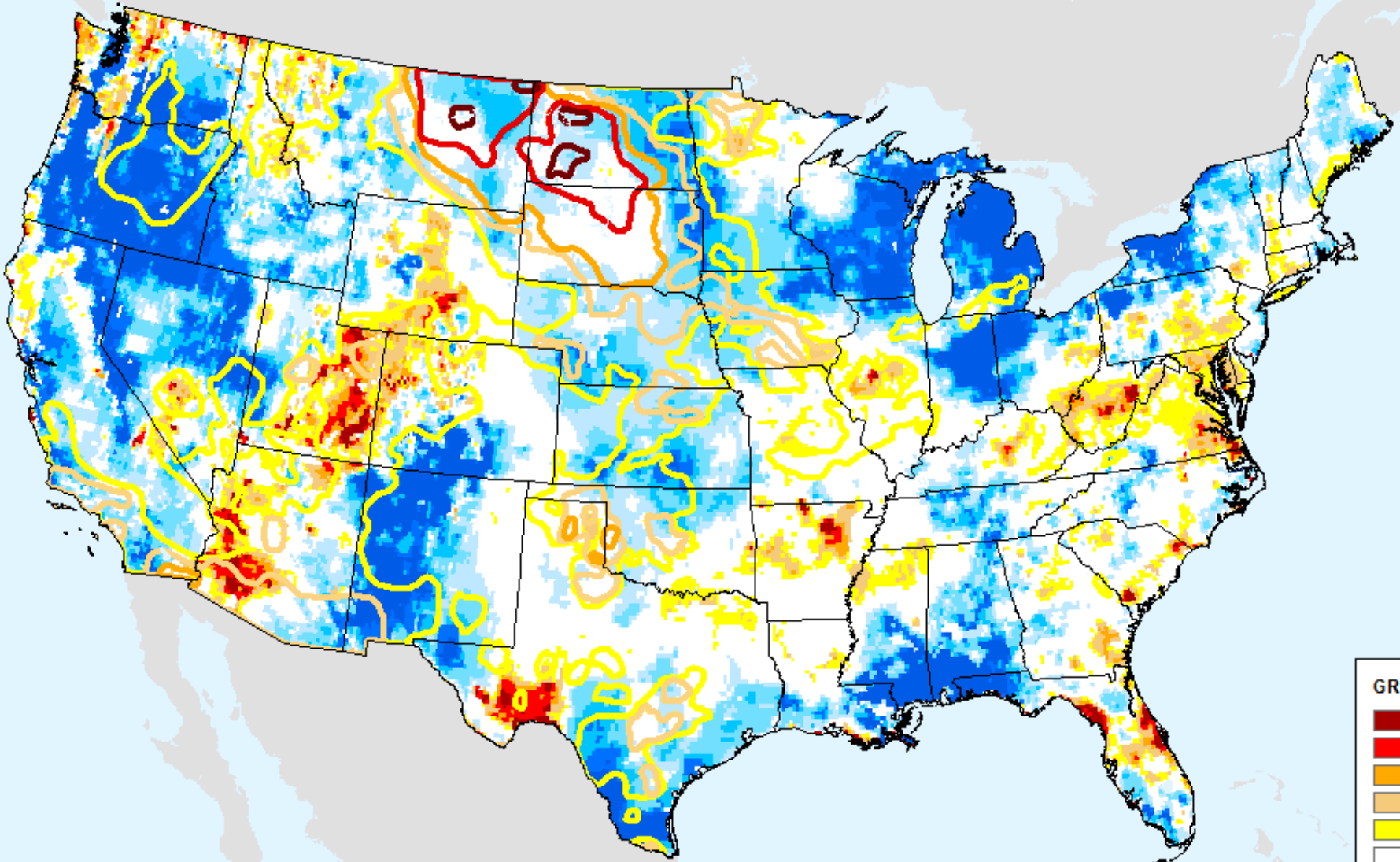
As of: Tuesday, July 25, 2017



USDM for: Jul. 18, 2017

GRACE-Based Shallow Groundwater Drought Indicator

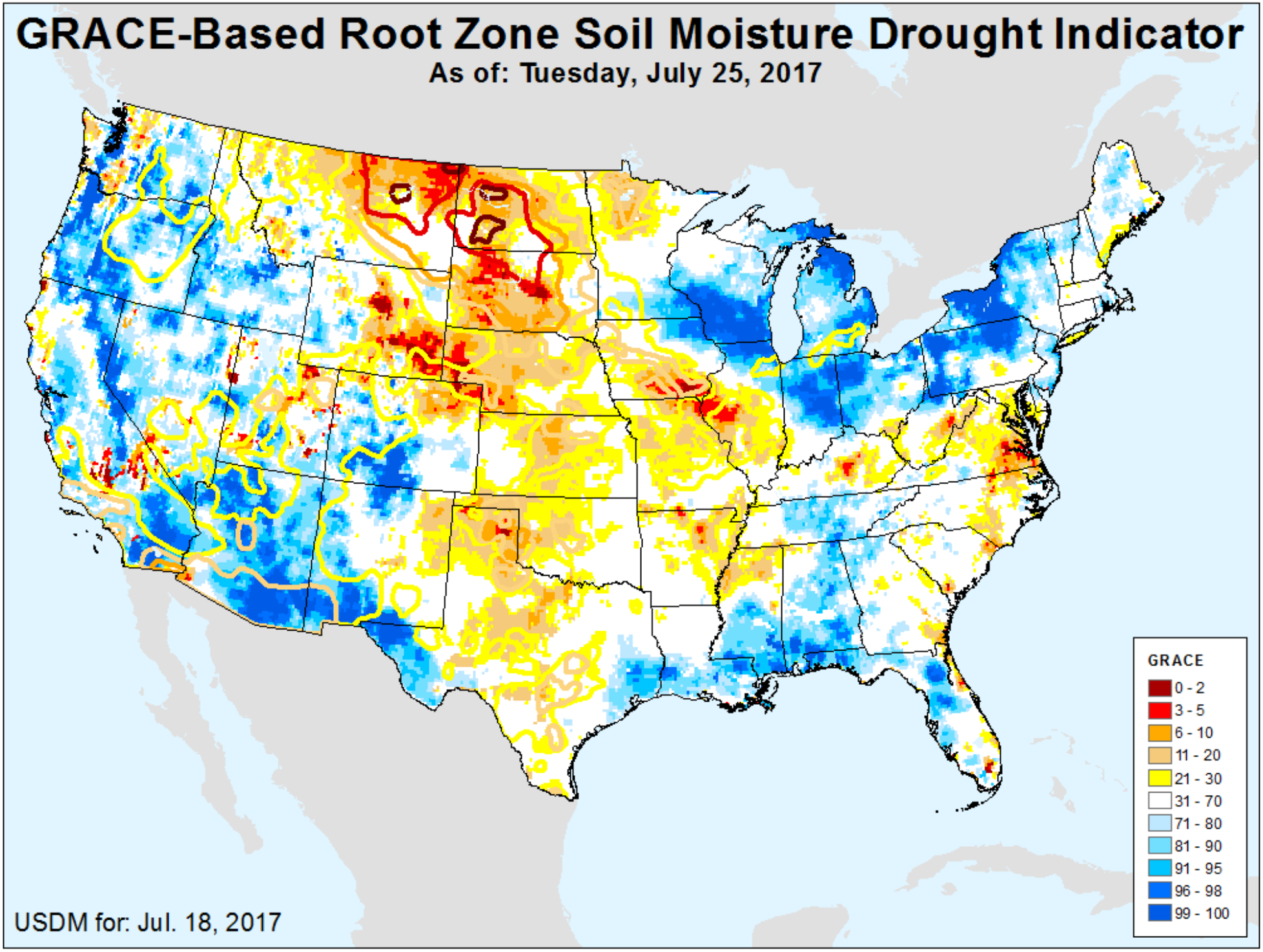
As of: Tuesday, July 25, 2017



USDM for: Jul. 18, 2017

GRACE-Based Root Zone Soil Moisture Drought Indicator

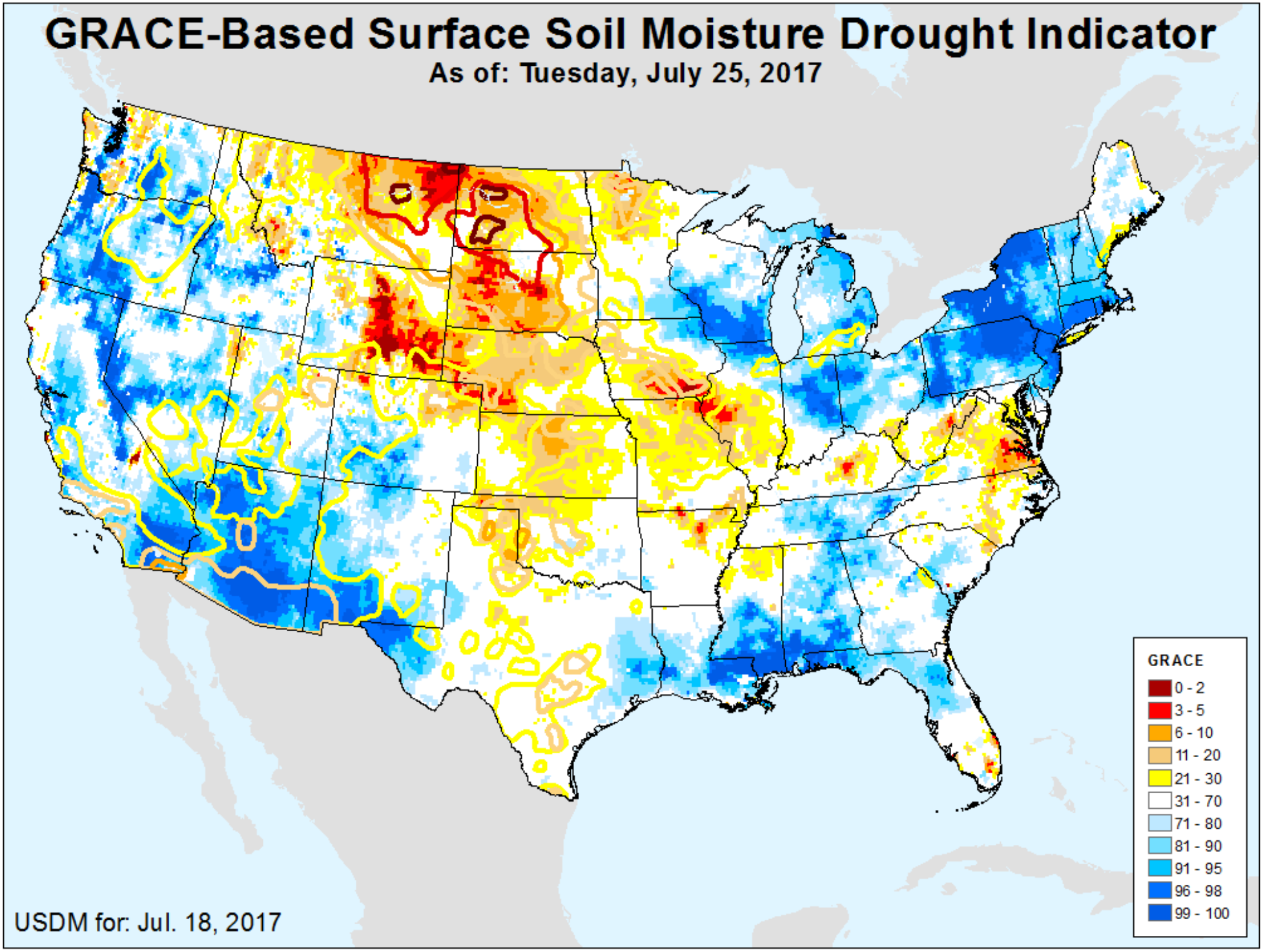
As of: Tuesday, July 25, 2017



USDM for: Jul. 18, 2017

GRACE-Based Surface Soil Moisture Drought Indicator

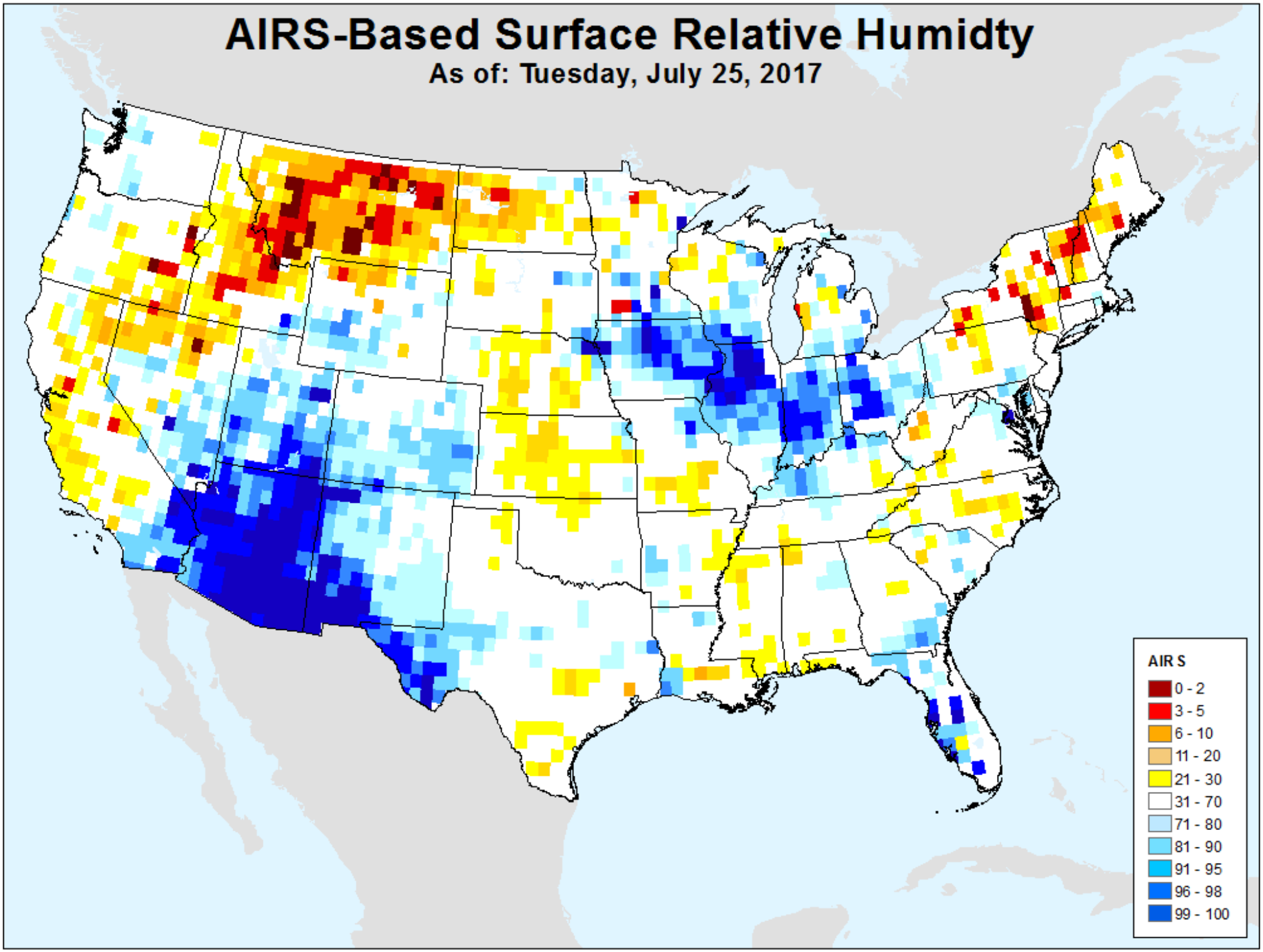
As of: Tuesday, July 25, 2017



USDM for: Jul. 18, 2017

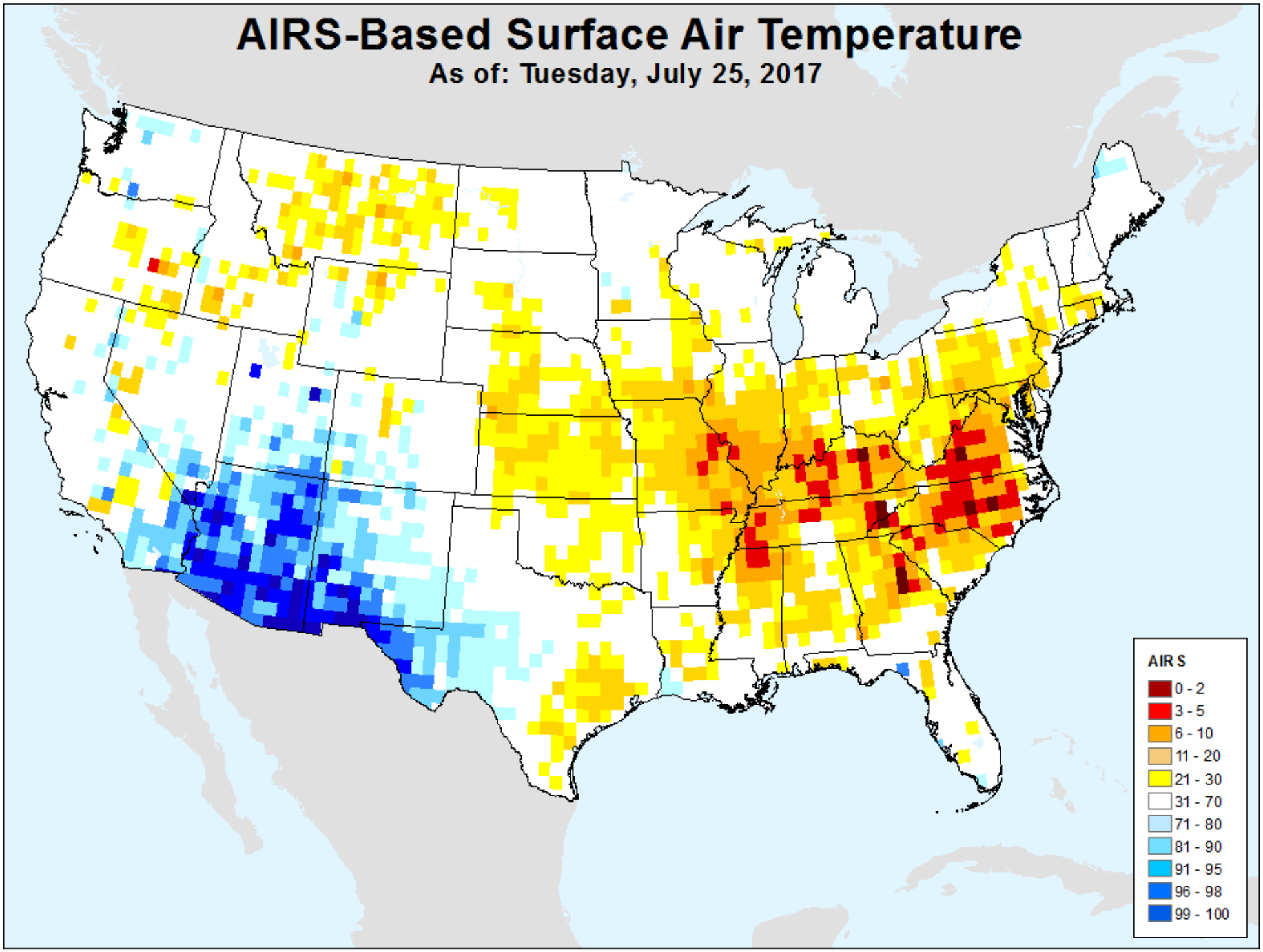
AIRS-Based Surface Relative Humidty

As of: Tuesday, July 25, 2017



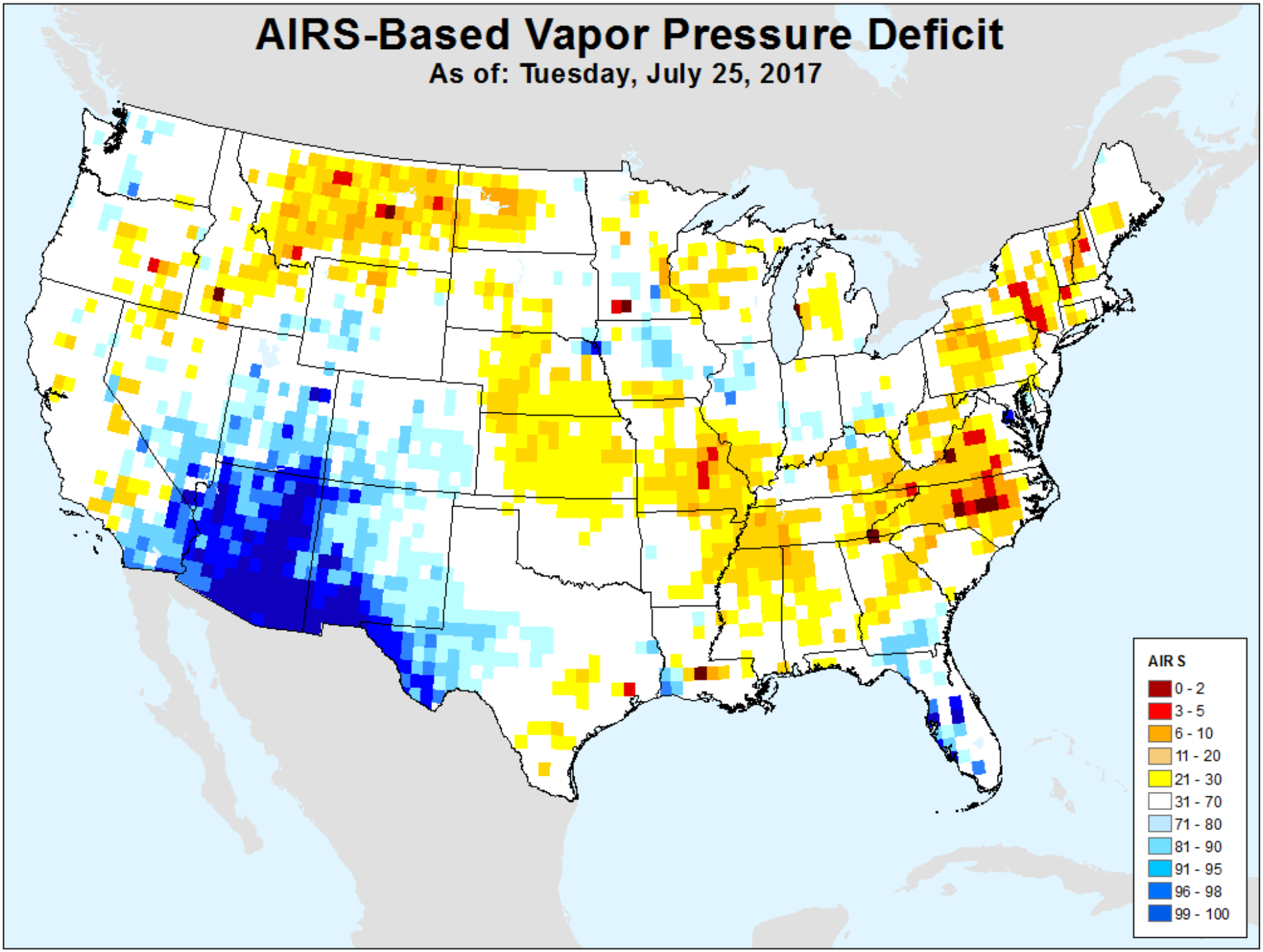
AIRS-Based Surface Air Temperature

As of: Tuesday, July 25, 2017

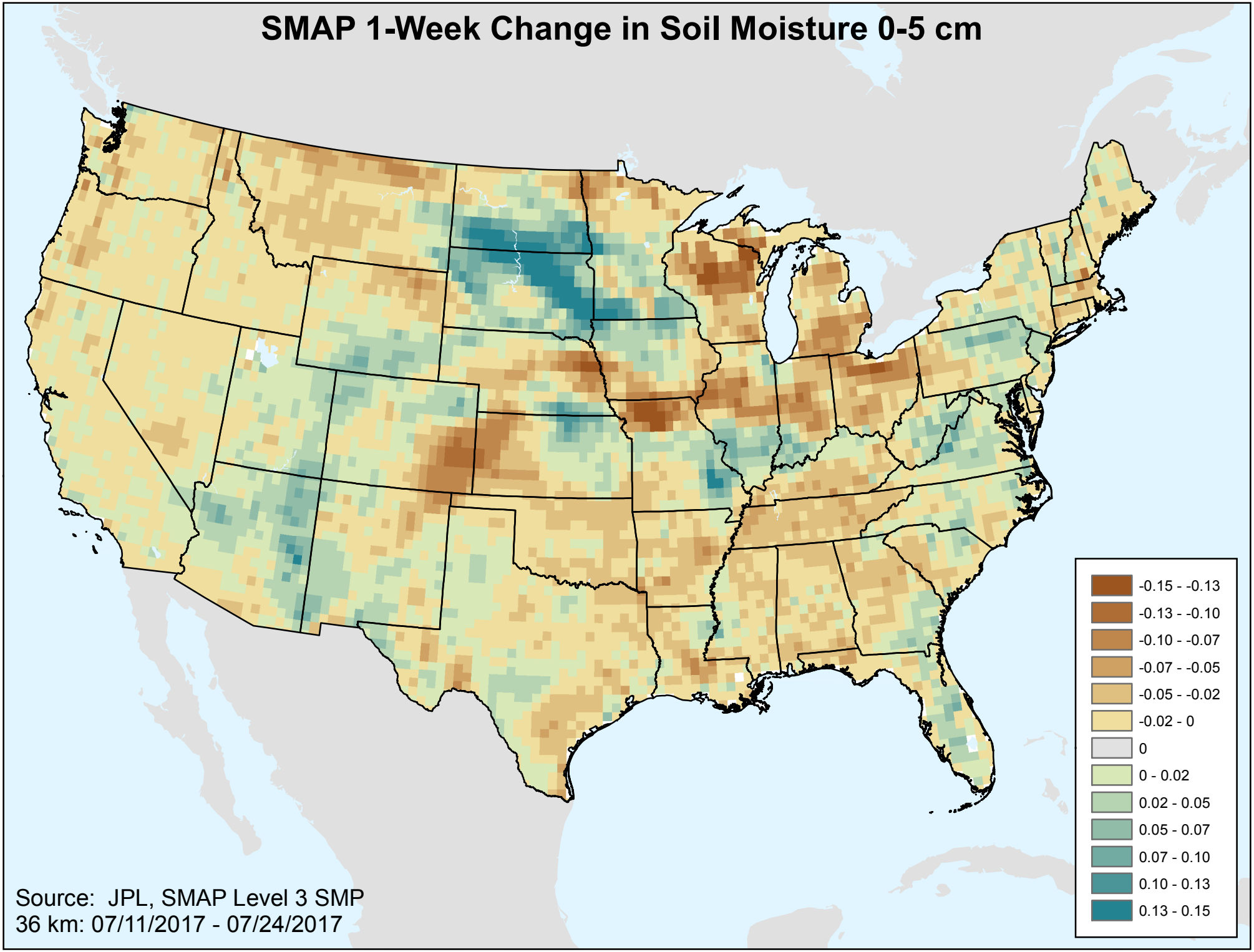


AIRS-Based Vapor Pressure Deficit

As of: Tuesday, July 25, 2017

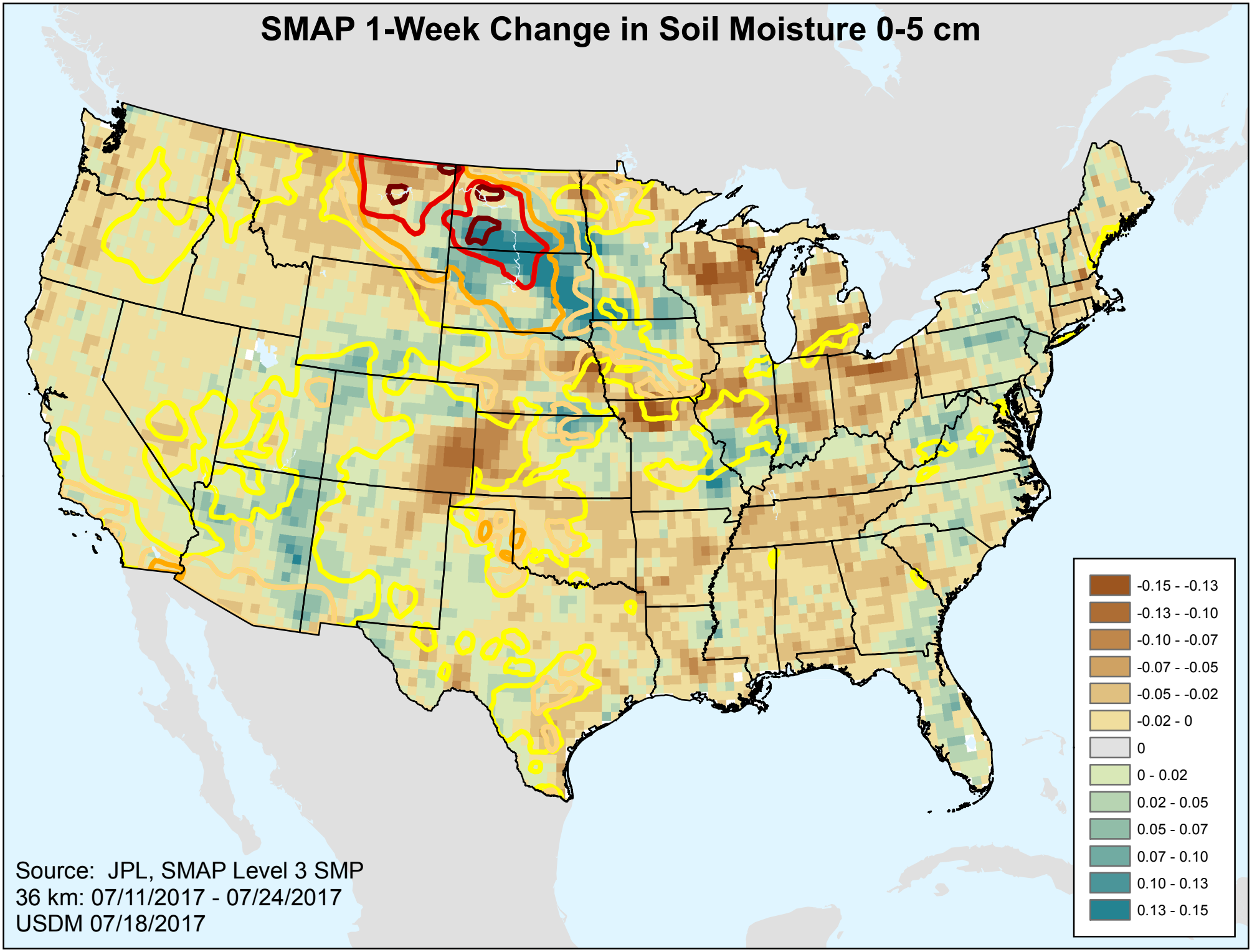


SMAP 1-Week Change in Soil Moisture 0-5 cm



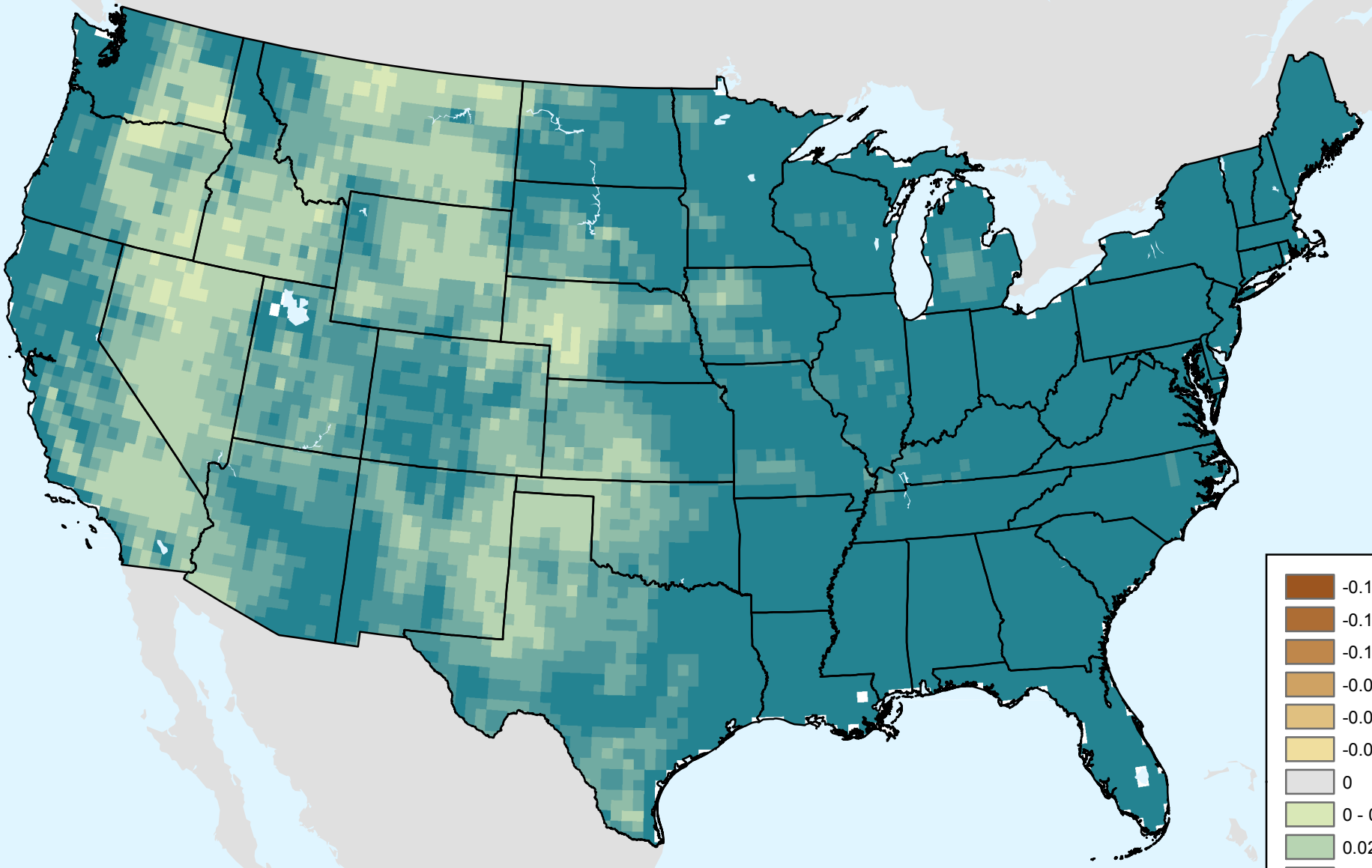
Source: JPL, SMAP Level 3 SMP
36 km: 07/11/2017 - 07/24/2017

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



Source: JPL, SMAP Level 3 SMP
36 km: 07/11/2017 - 07/24/2017
USDM 07/18/2017

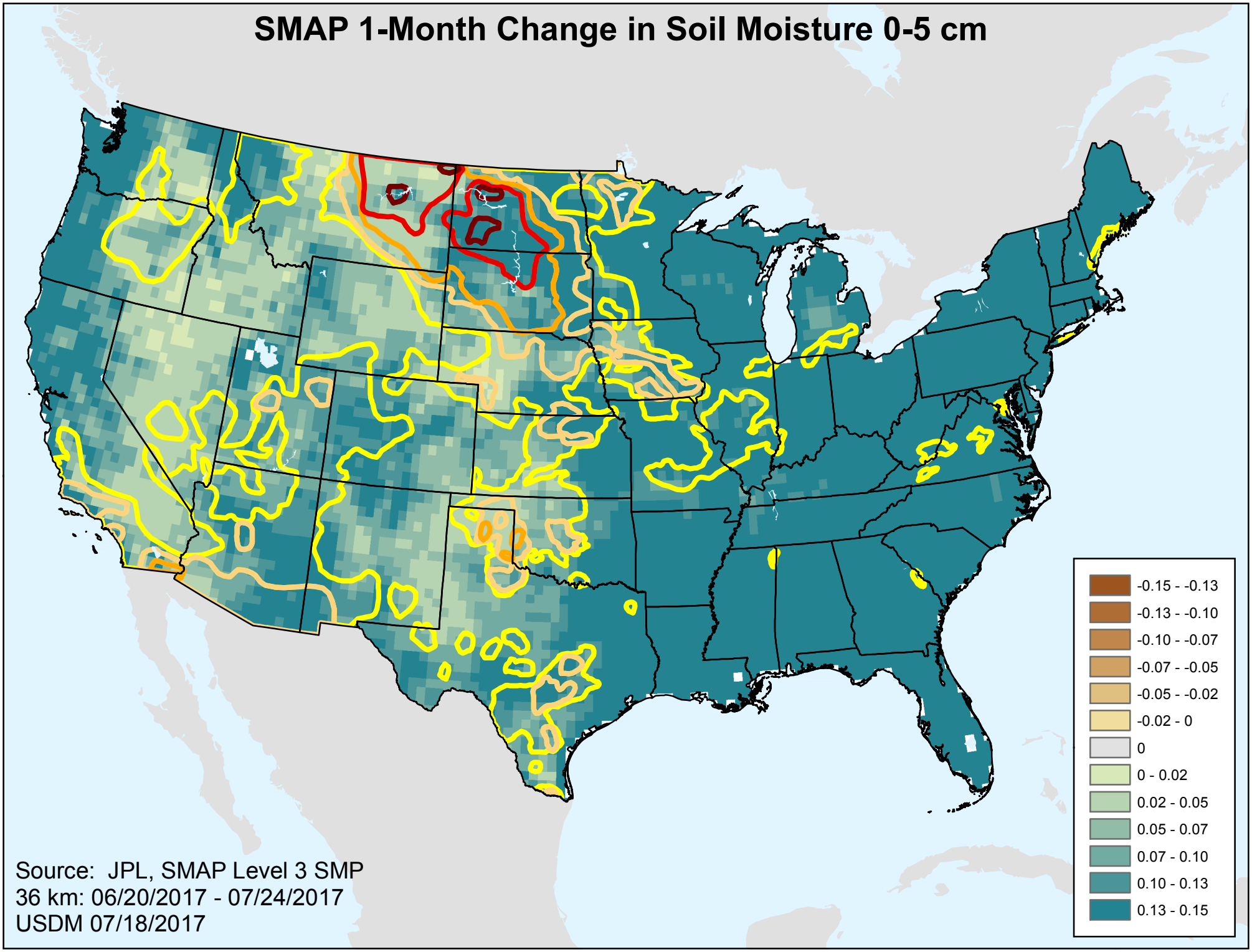
SMAP 1-Month Change in Soil Moisture 0-5 cm



-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

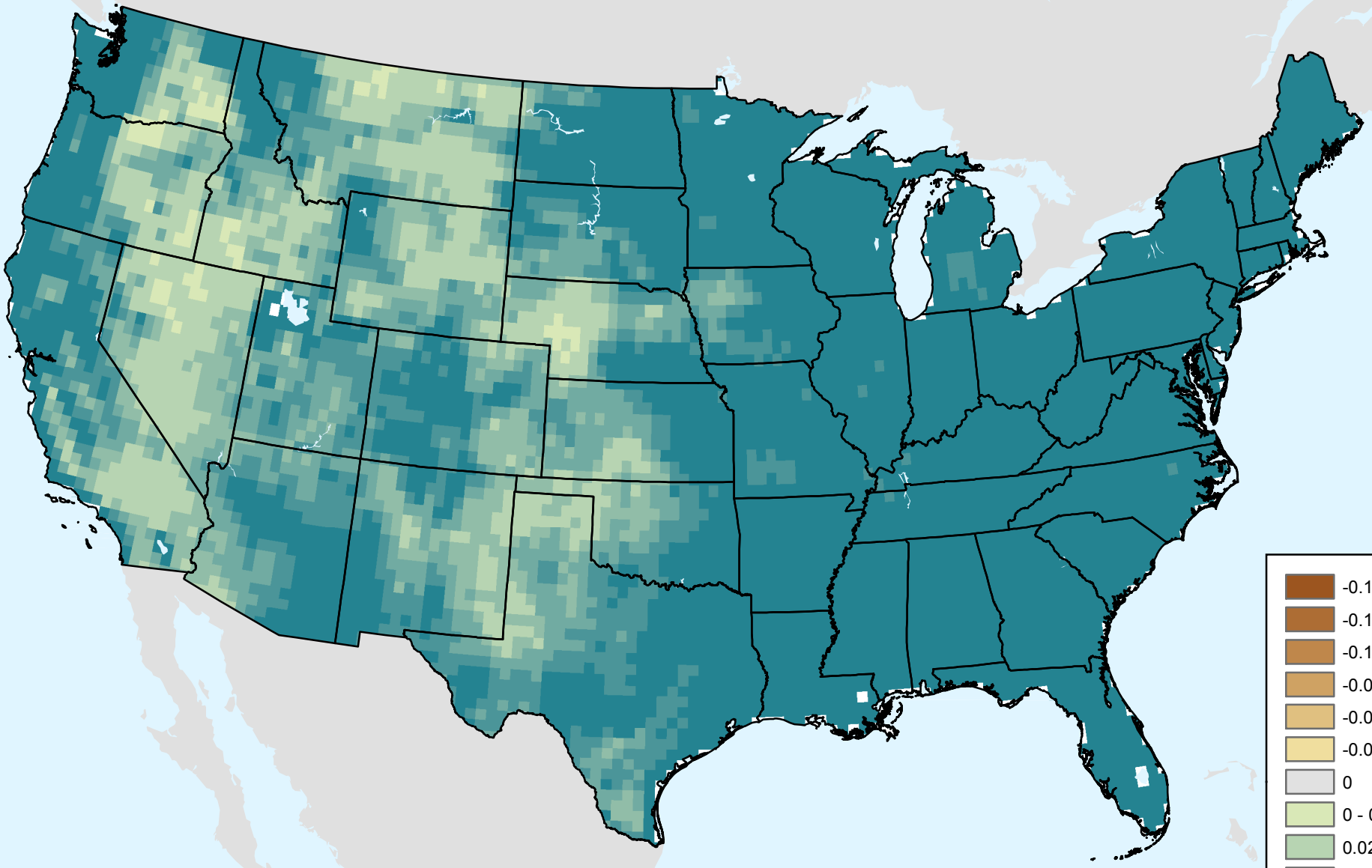
Source: JPL, SMAP Level 3 SMP
36 km: 06/20/2017 - 07/24/2017

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



Source: JPL, SMAP Level 3 SMP
36 km: 06/20/2017 - 07/24/2017
USDM 07/18/2017

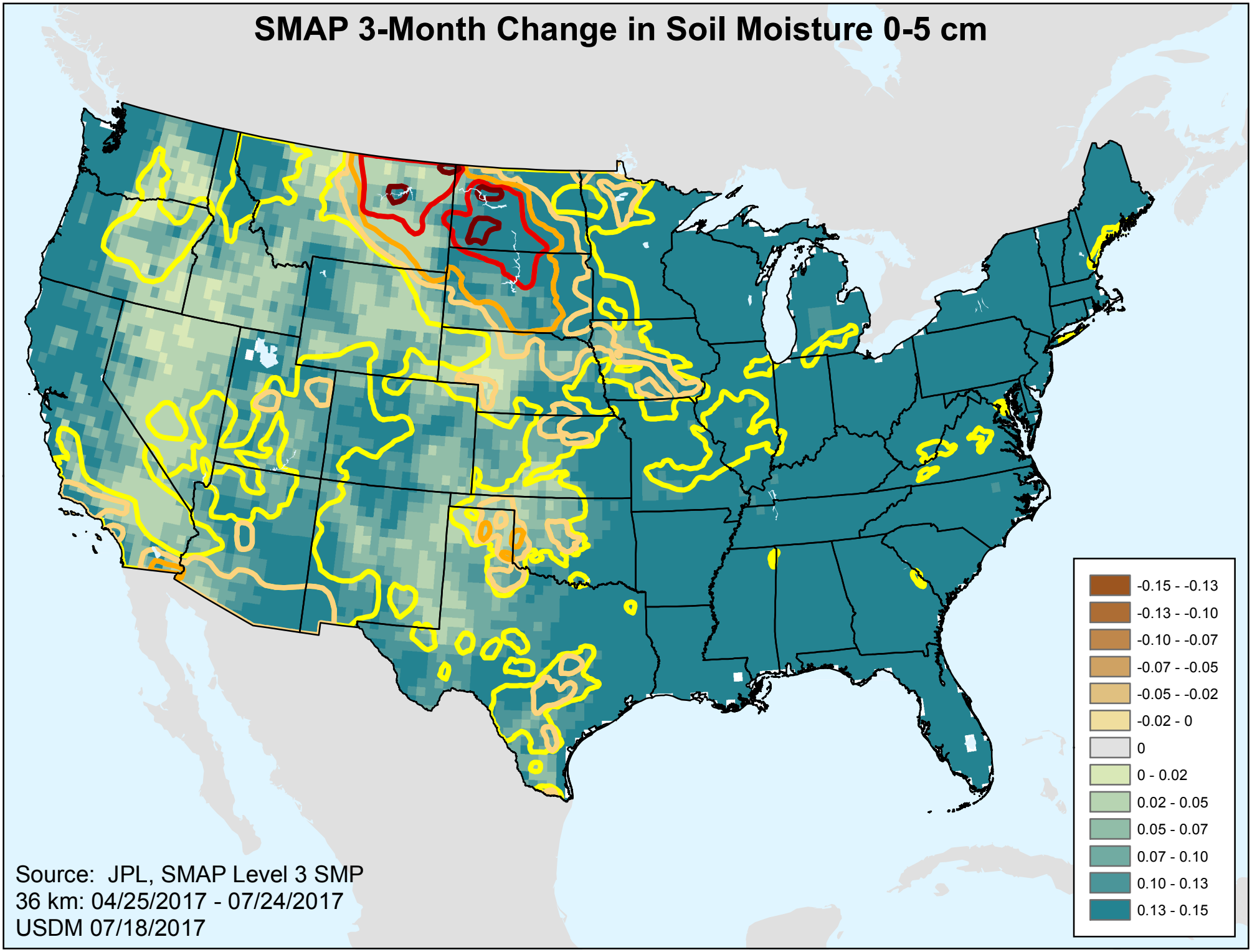
SMAP 3-Month Change in Soil Moisture 0-5 cm



-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: 04/25/2017 - 07/24/2017

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



Source: JPL, SMAP Level 3 SMP
36 km: 04/25/2017 - 07/24/2017
USDM 07/18/2017