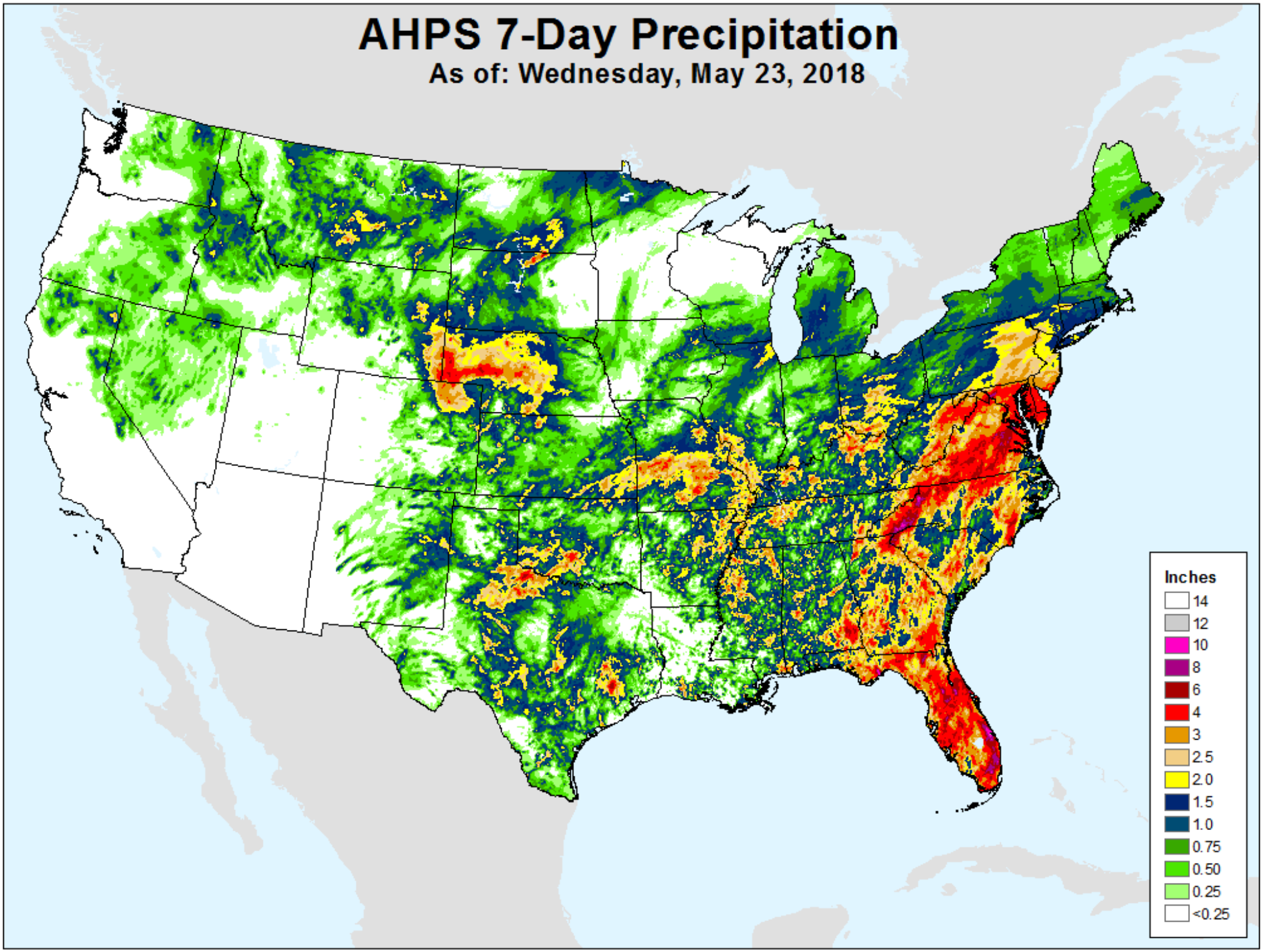
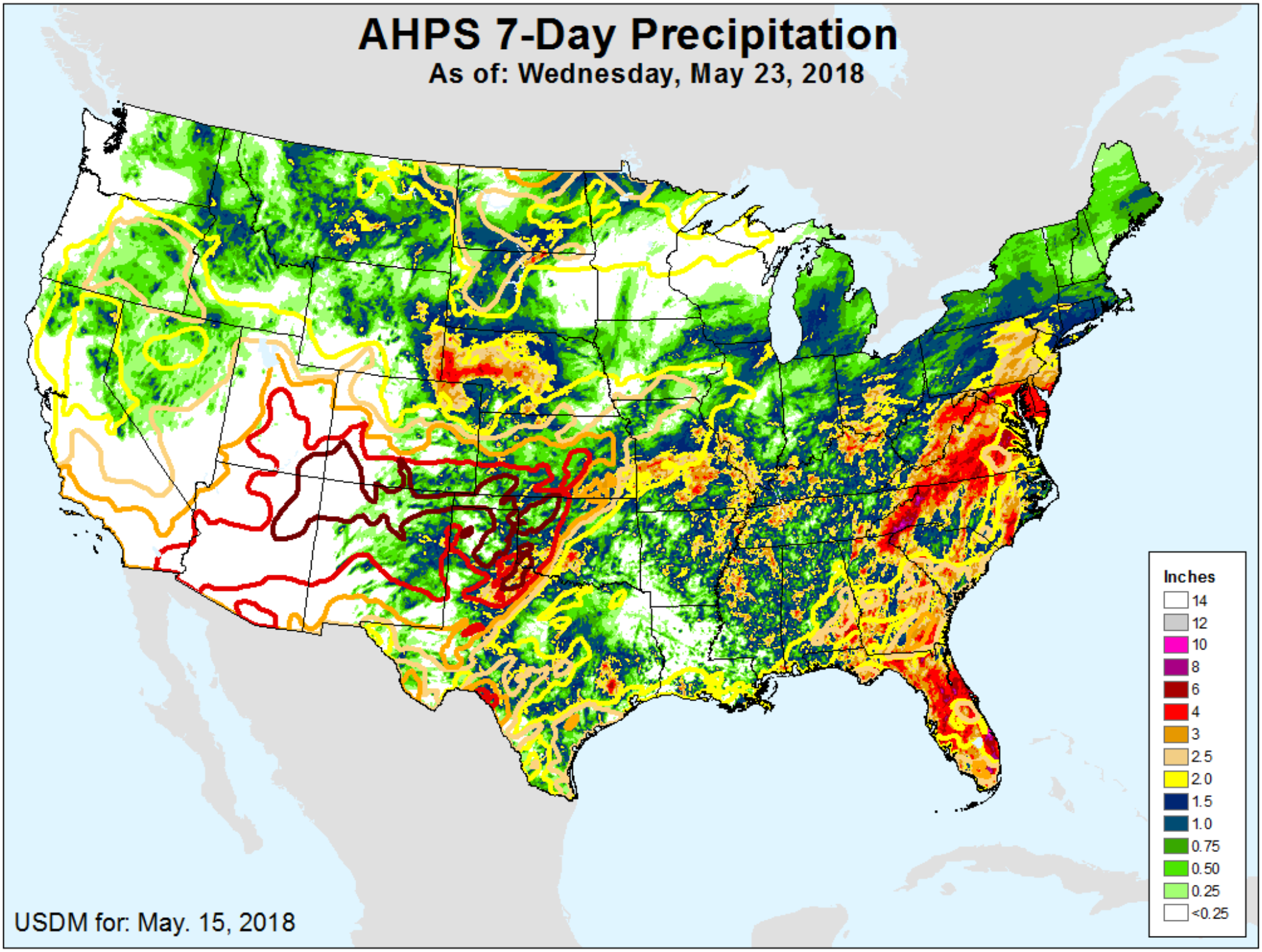
AHPS 7-Day Precipitation

As of: Wednesday, May 23, 2018



AHPS 7-Day Precipitation

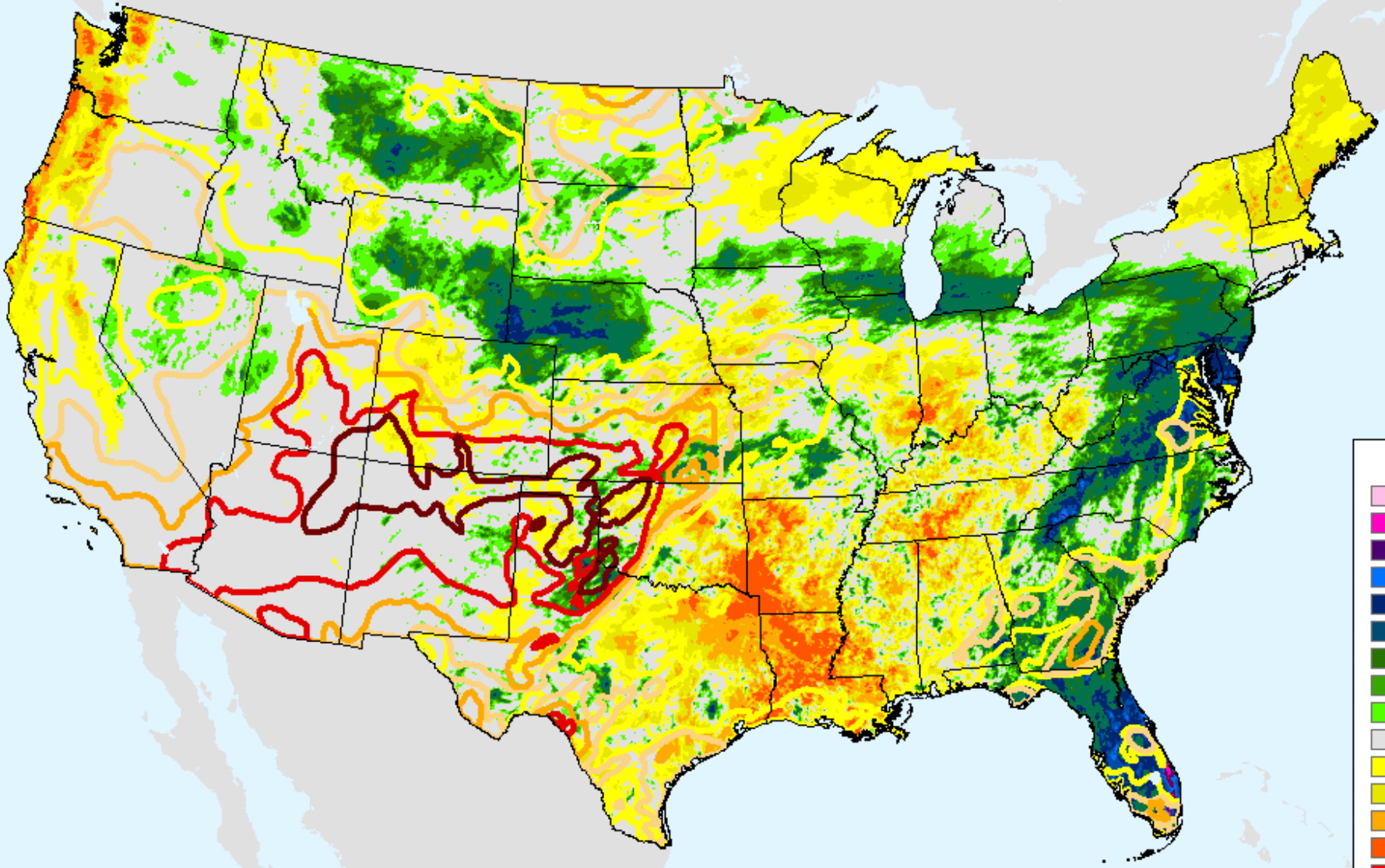
As of: Wednesday, May 23, 2018



USDM for: May. 15, 2018

AHPS 14-Day Precip Departure

As of: Wednesday, May 23, 2018

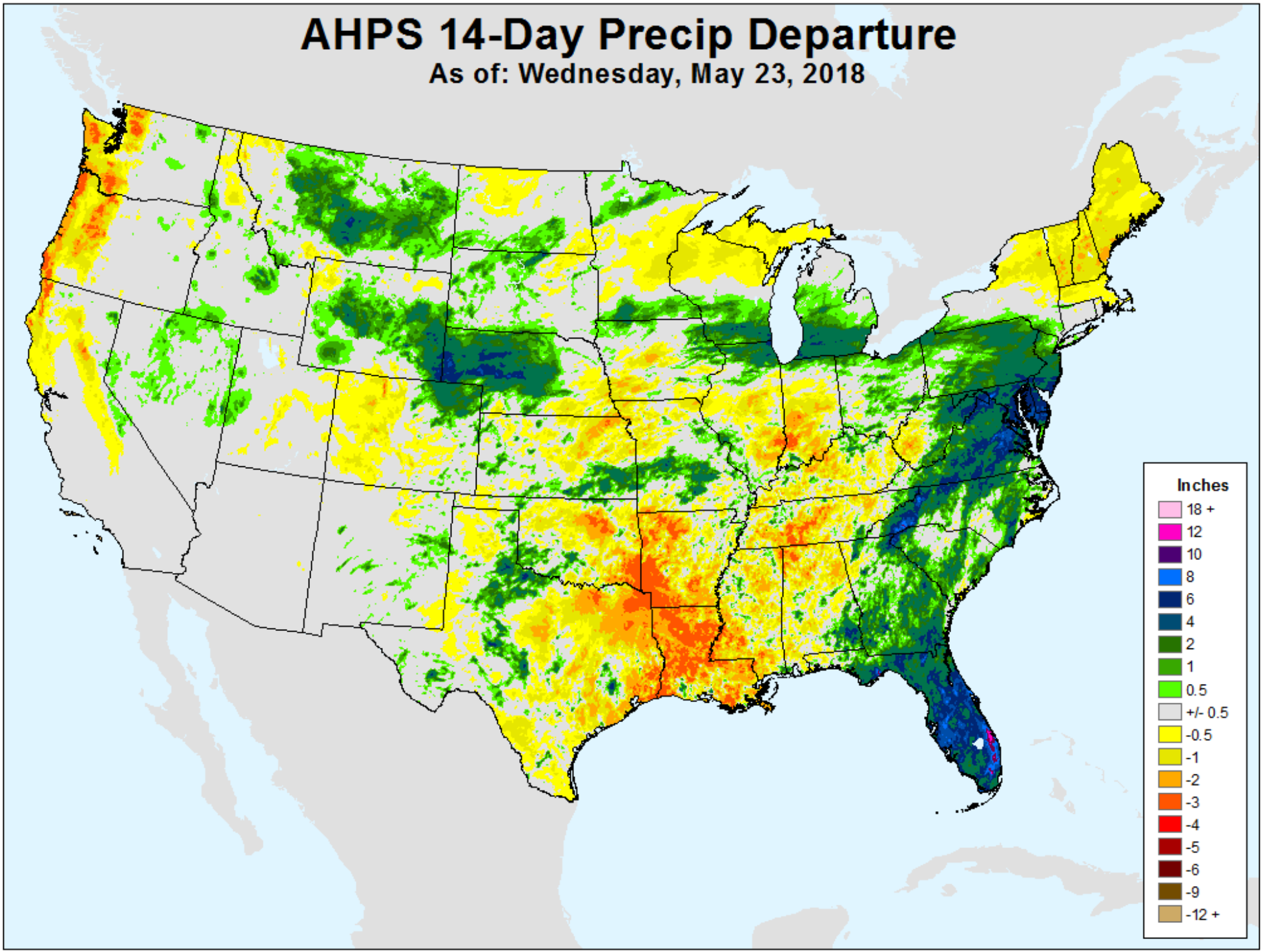


Inches
18 +
12
10
8
6
4
2
1
0.5
+/- 0.5
-0.5
-1
-2
-3
-4
-5
-6
-9
-12 +

USDM for: May. 15, 2018

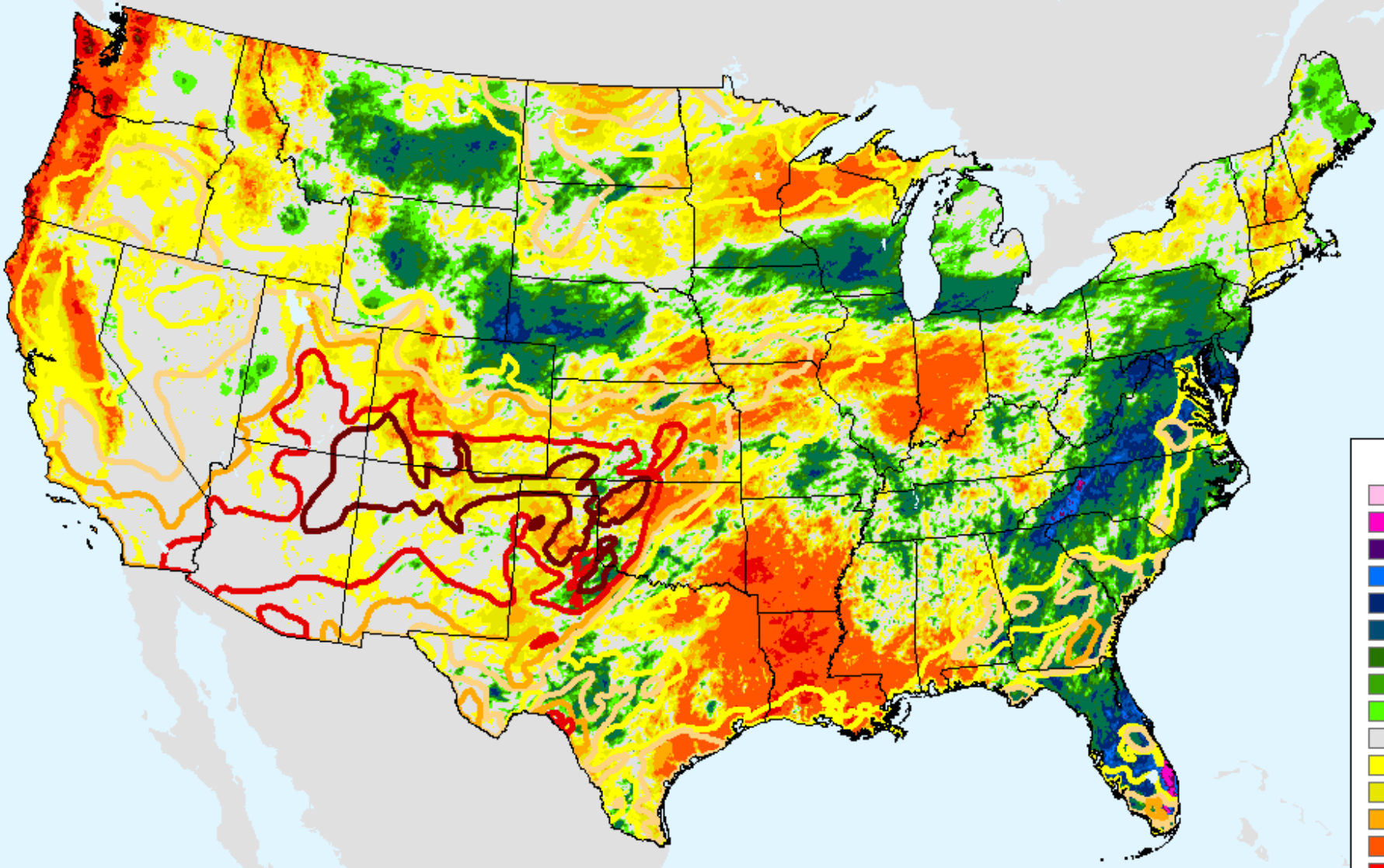
AHPS 14-Day Precip Departure

As of: Wednesday, May 23, 2018



AHPS 30-Day Precip Departure

As of: Wednesday, May 23, 2018



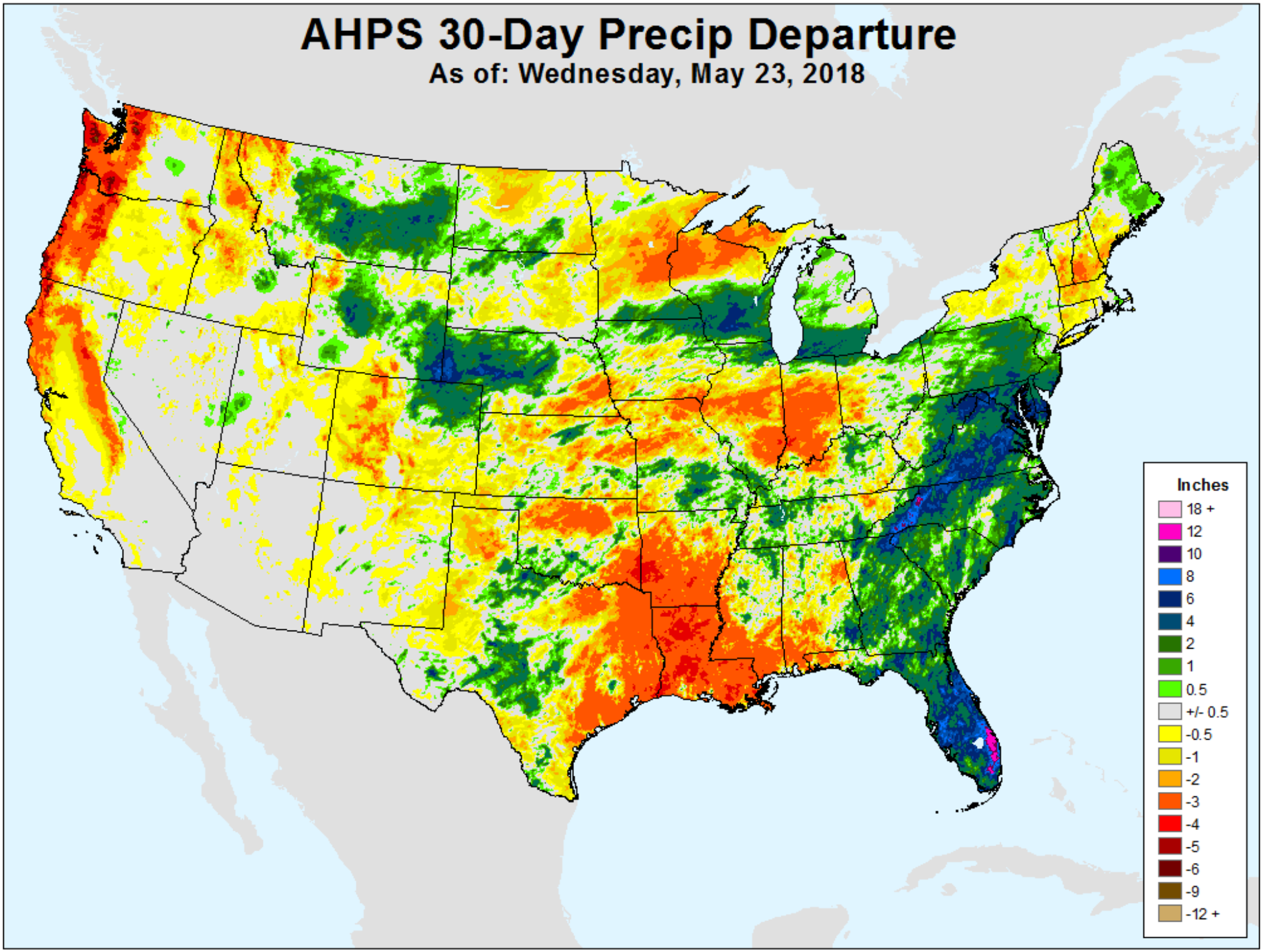
Inches

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

USDM for: May. 15, 2018

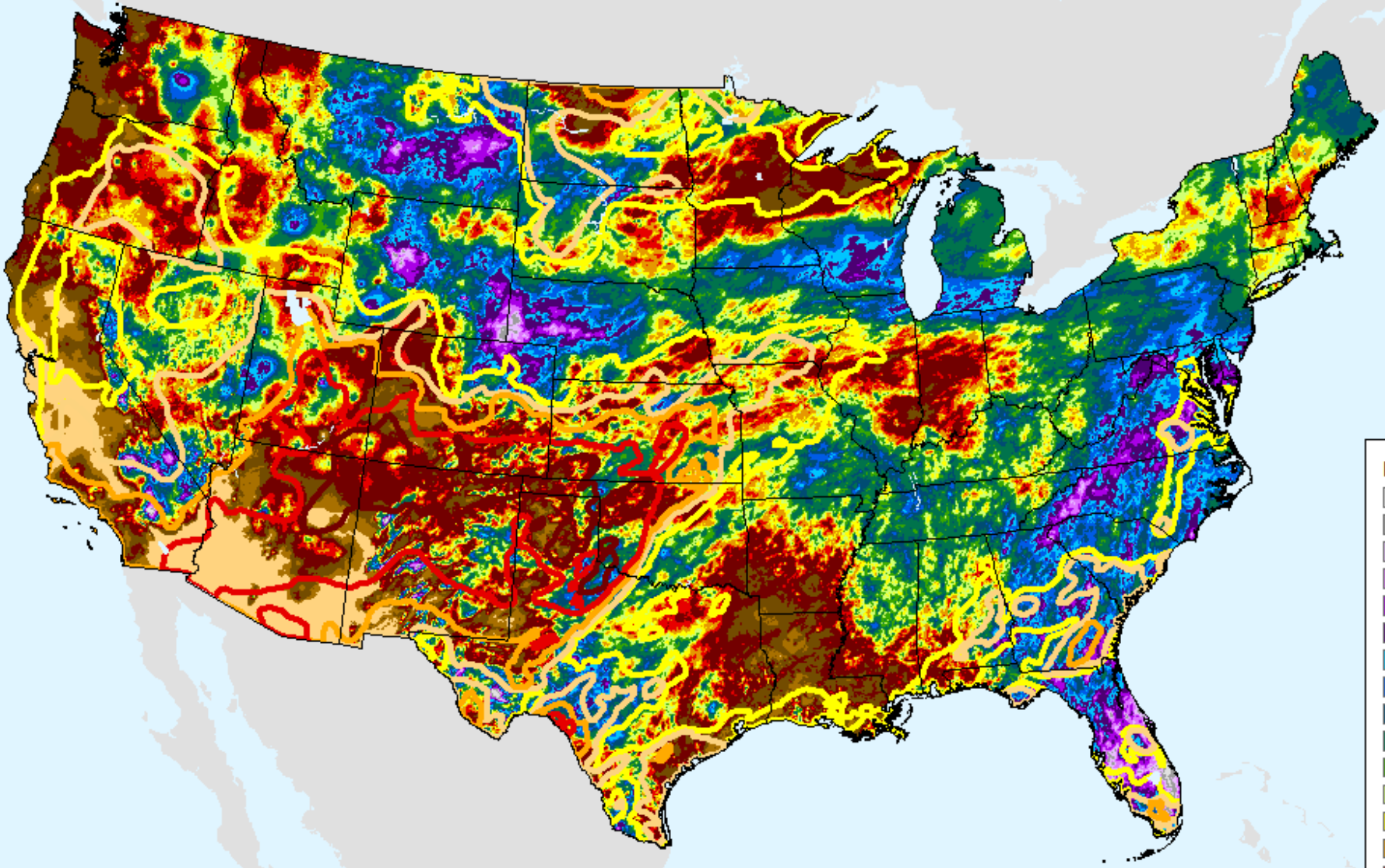
AHPS 30-Day Precip Departure

As of: Wednesday, May 23, 2018



AHPS 30-Day Pct of Normal Pcp

As of: Wednesday, May 23, 2018

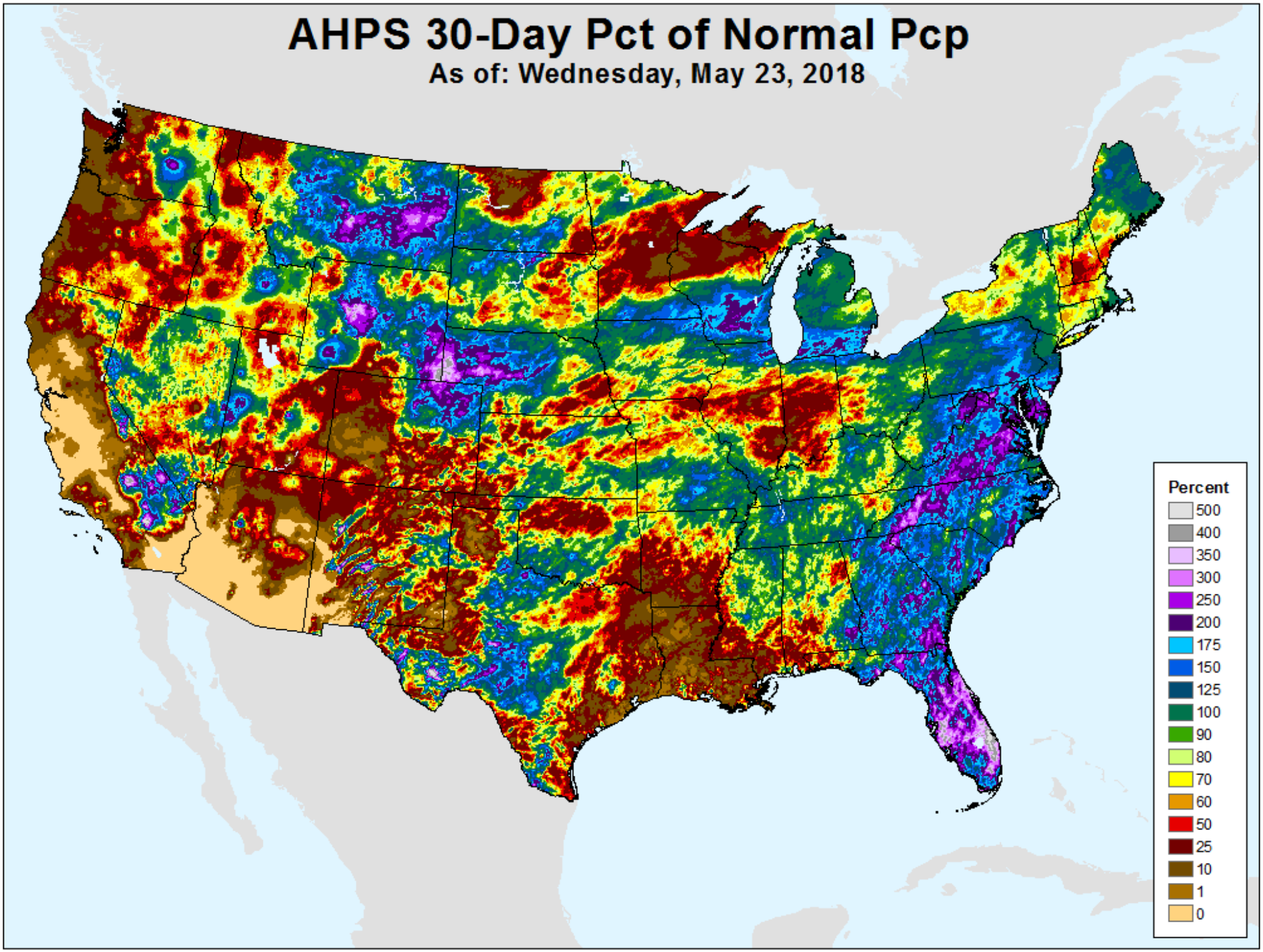


Percent
500
400
350
300
250
200
175
150
125
100
90
80
70
60
50
25
10
1
0

USDM for: May. 15, 2018

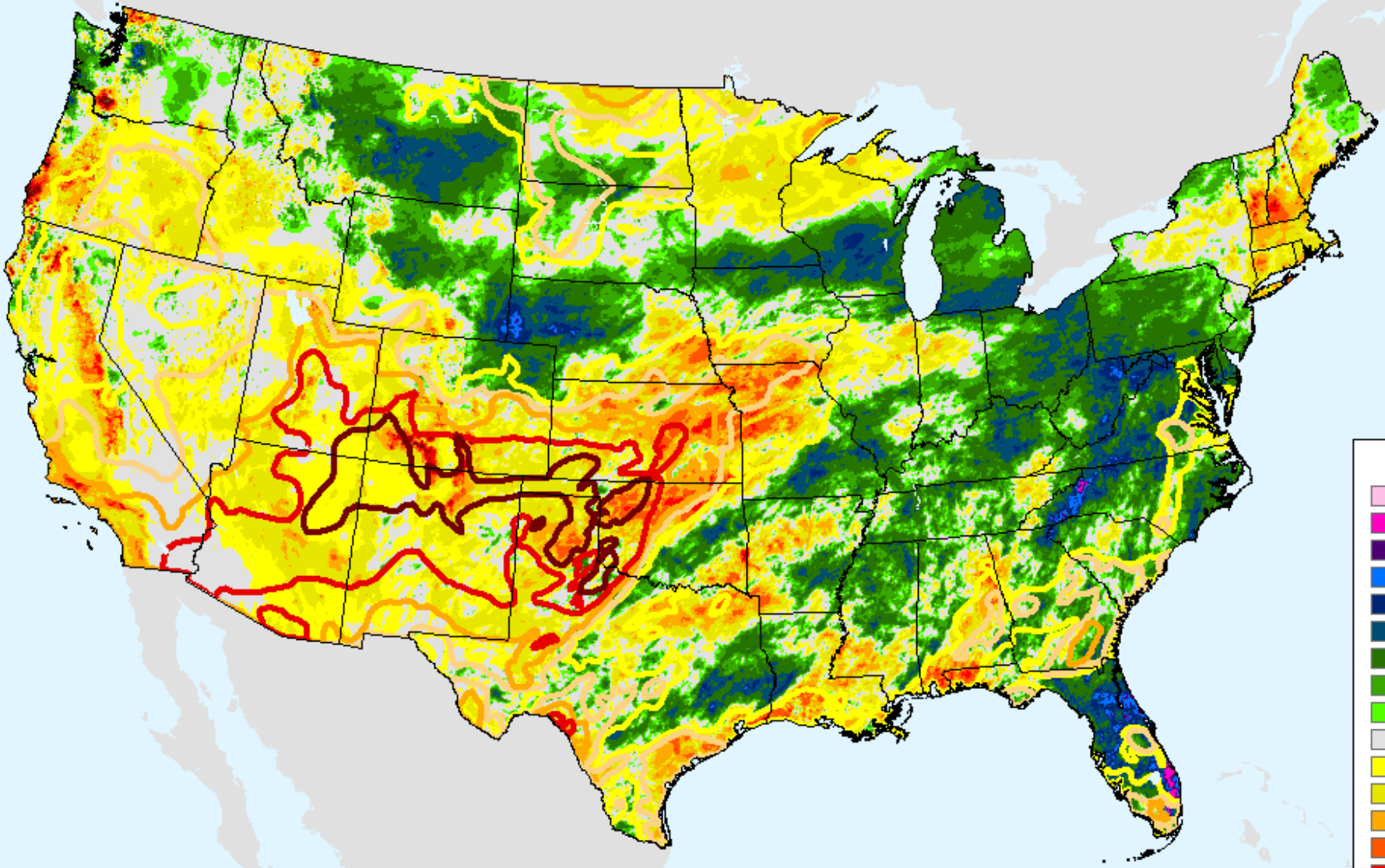
AHPS 30-Day Pct of Normal Pcp

As of: Wednesday, May 23, 2018



AHPS 60-Day Precip Departure

As of: Wednesday, May 23, 2018

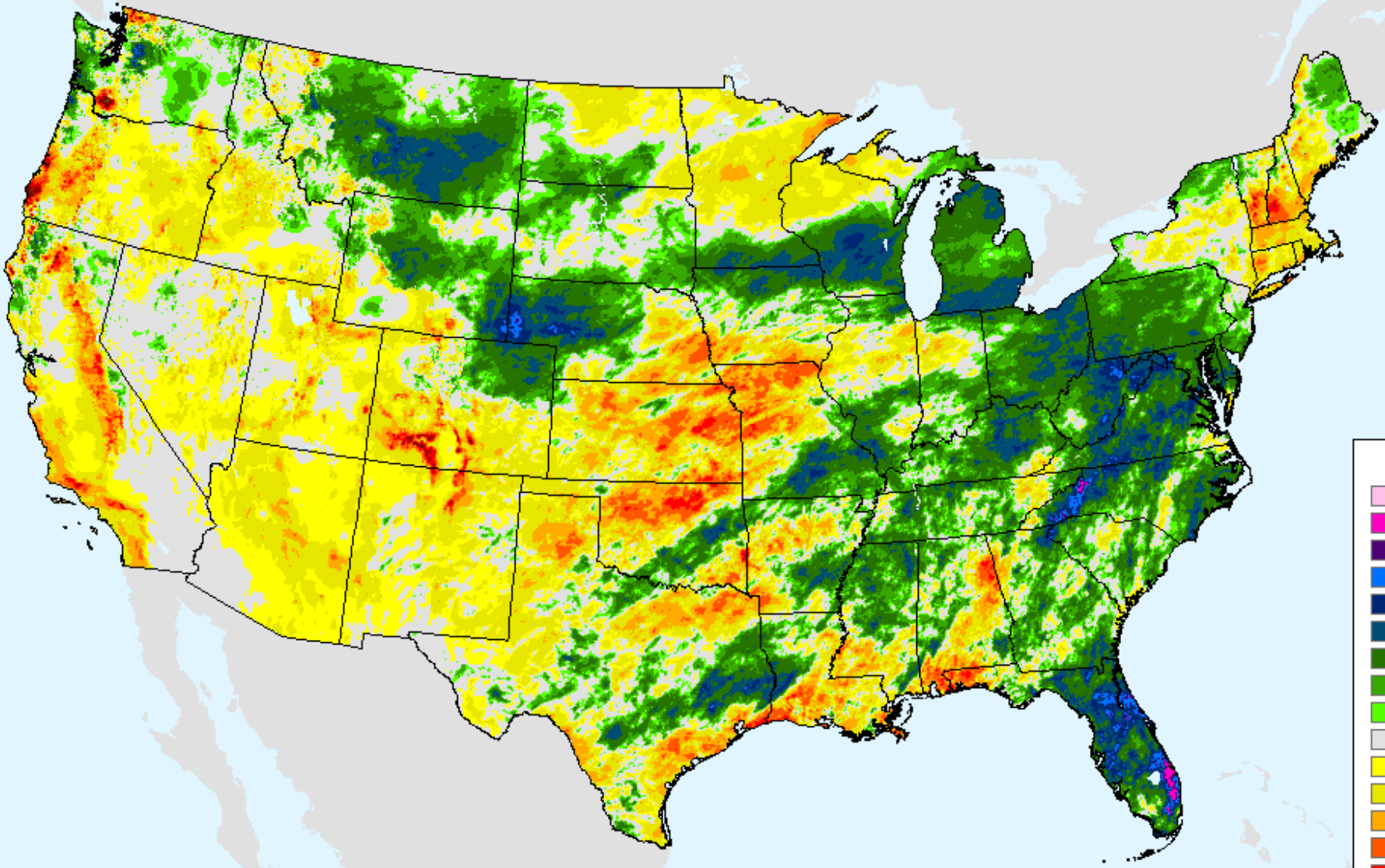


Inches
18 +
12
10
8
6
4
2
1
0.5
+/- 0.5
-0.5
-1
-2
-3
-4
-5
-6
-9
-12 +

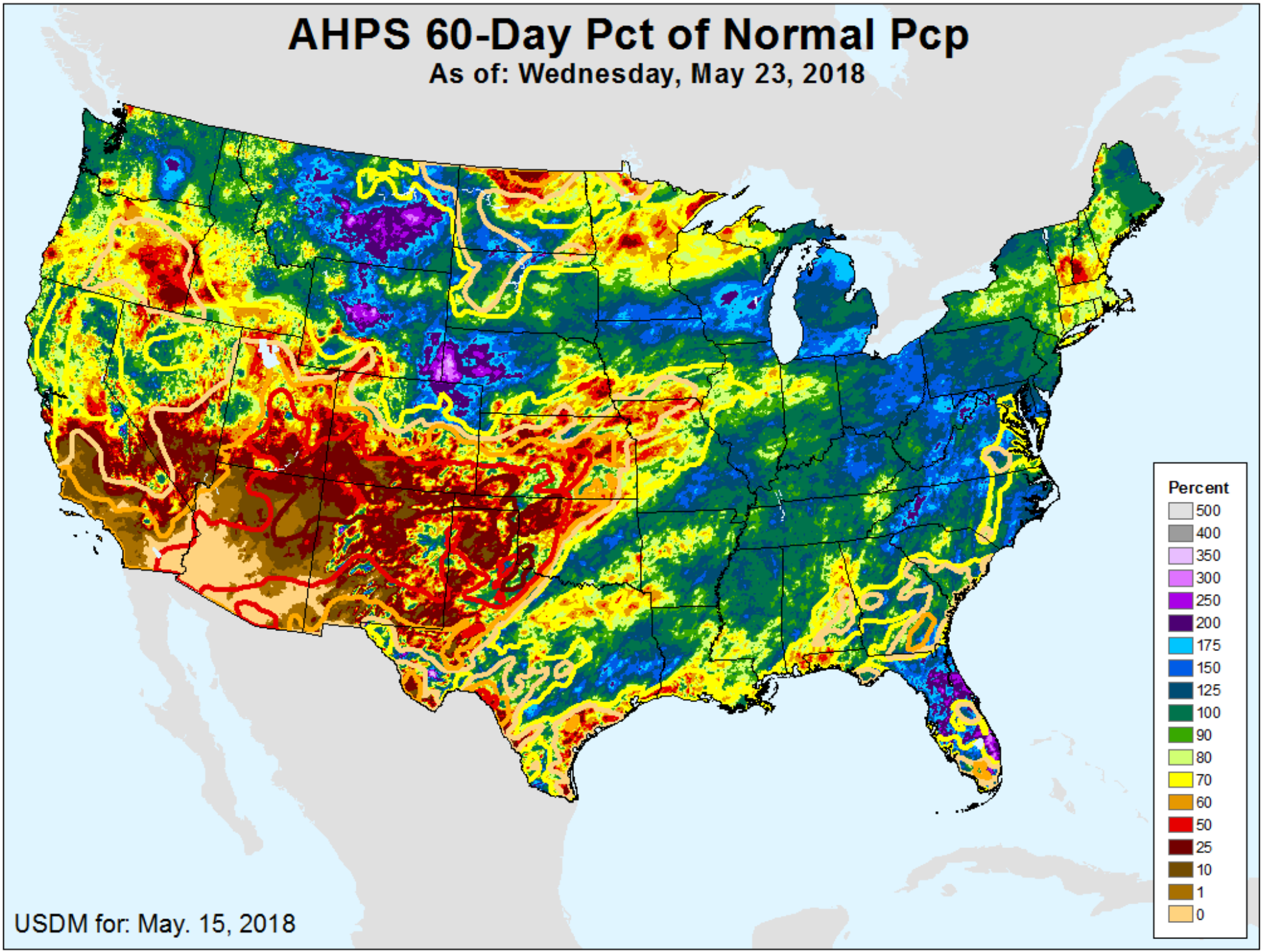
USDM for: May. 15, 2018

AHPS 60-Day Precip Departure

As of: Wednesday, May 23, 2018

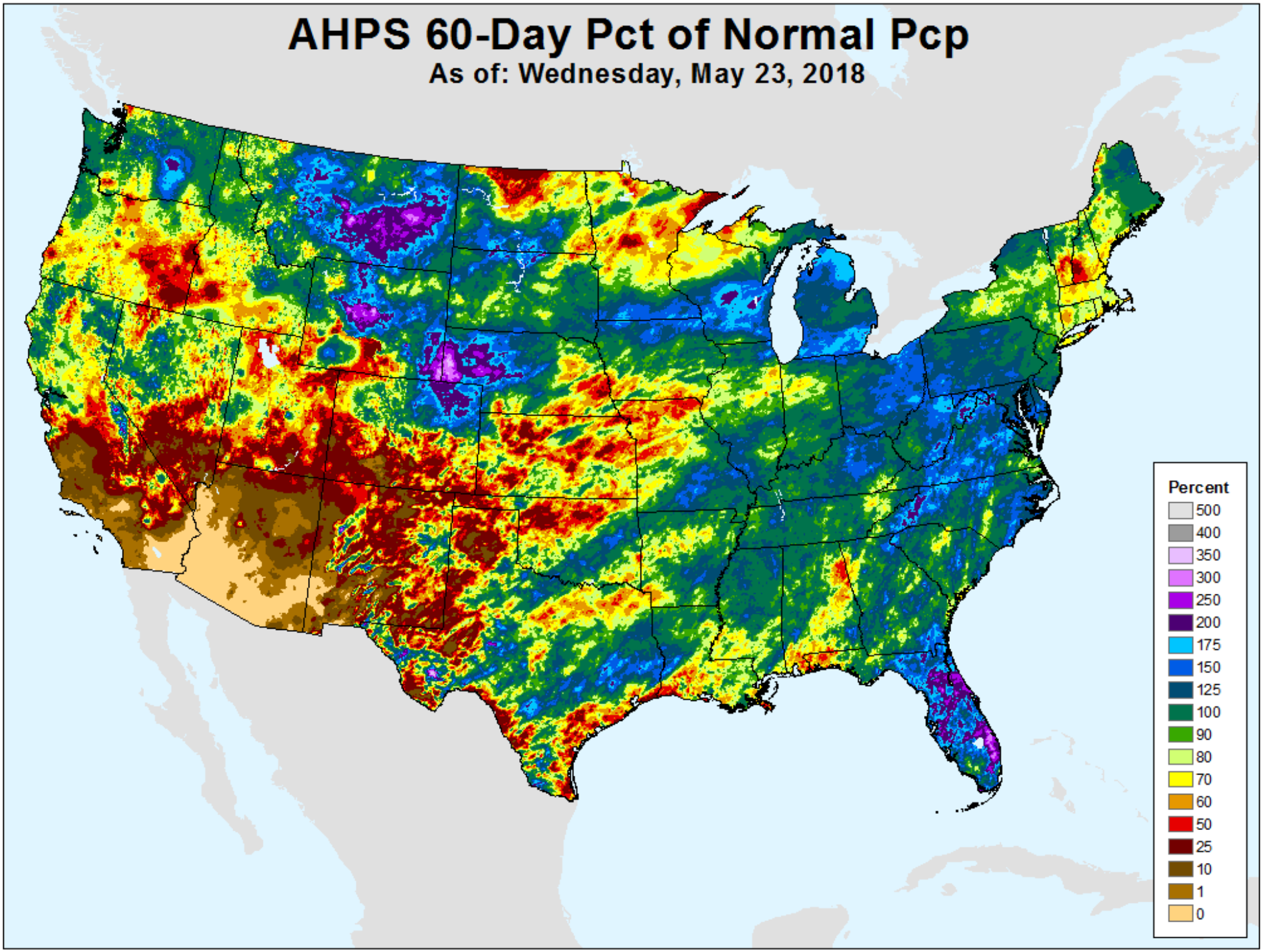


Inches
18 +
12
10
8
6
4
2
1
0.5
+/- 0.5
-0.5
-1
-2
-3
-4
-5
-6
-9
-12 +


AHPS 60-Day Pct of Normal Pcp
As of: Wednesday, May 23, 2018
Percent
500
400
350
300
250
200
175
150
125
100
90
80
70
60
50
25
10
1
0
USDM for: May. 15, 2018

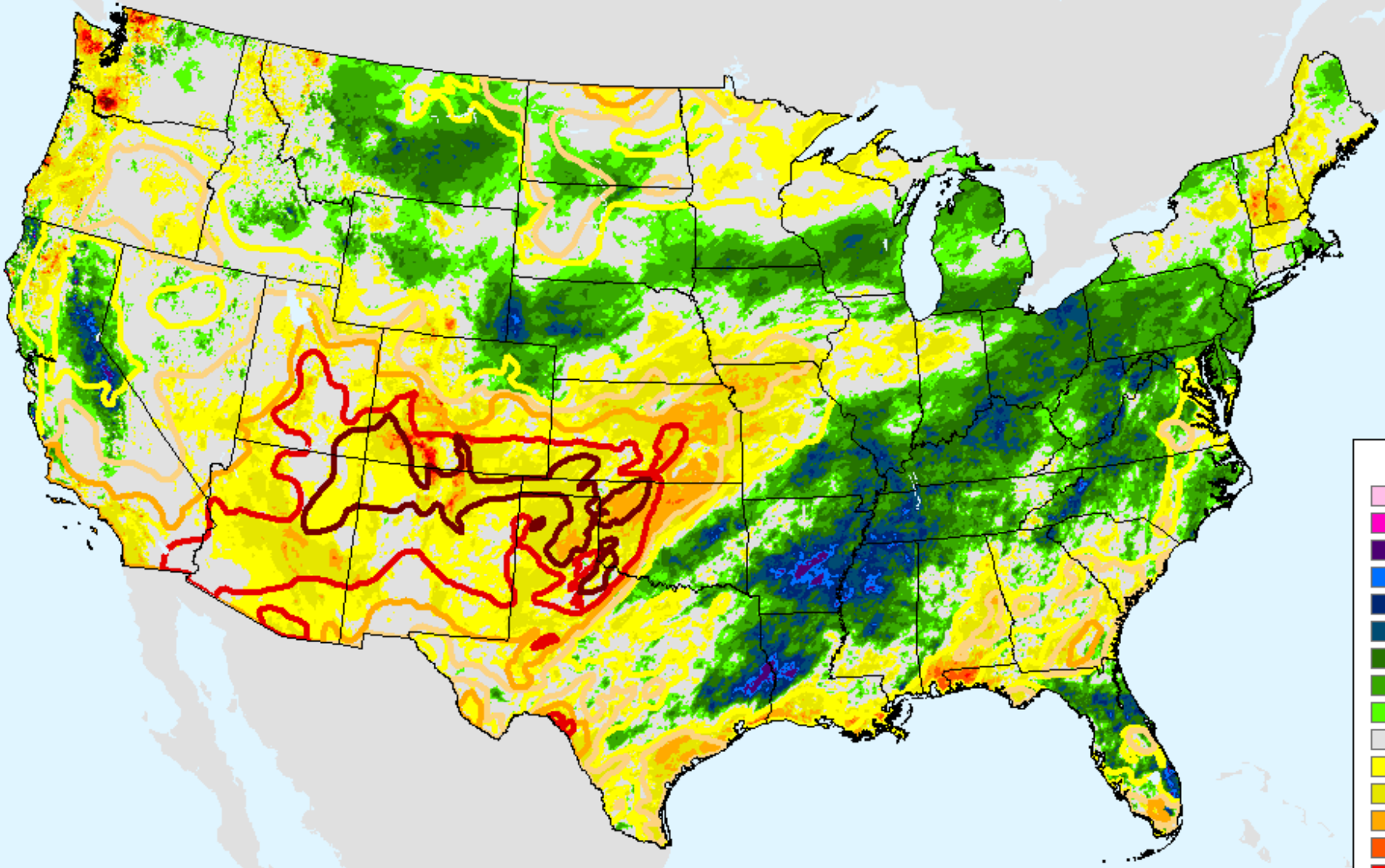
AHPS 60-Day Pct of Normal Pcp

As of: Wednesday, May 23, 2018



AHPS 90-Day Precip Departure

As of: Wednesday, May 23, 2018

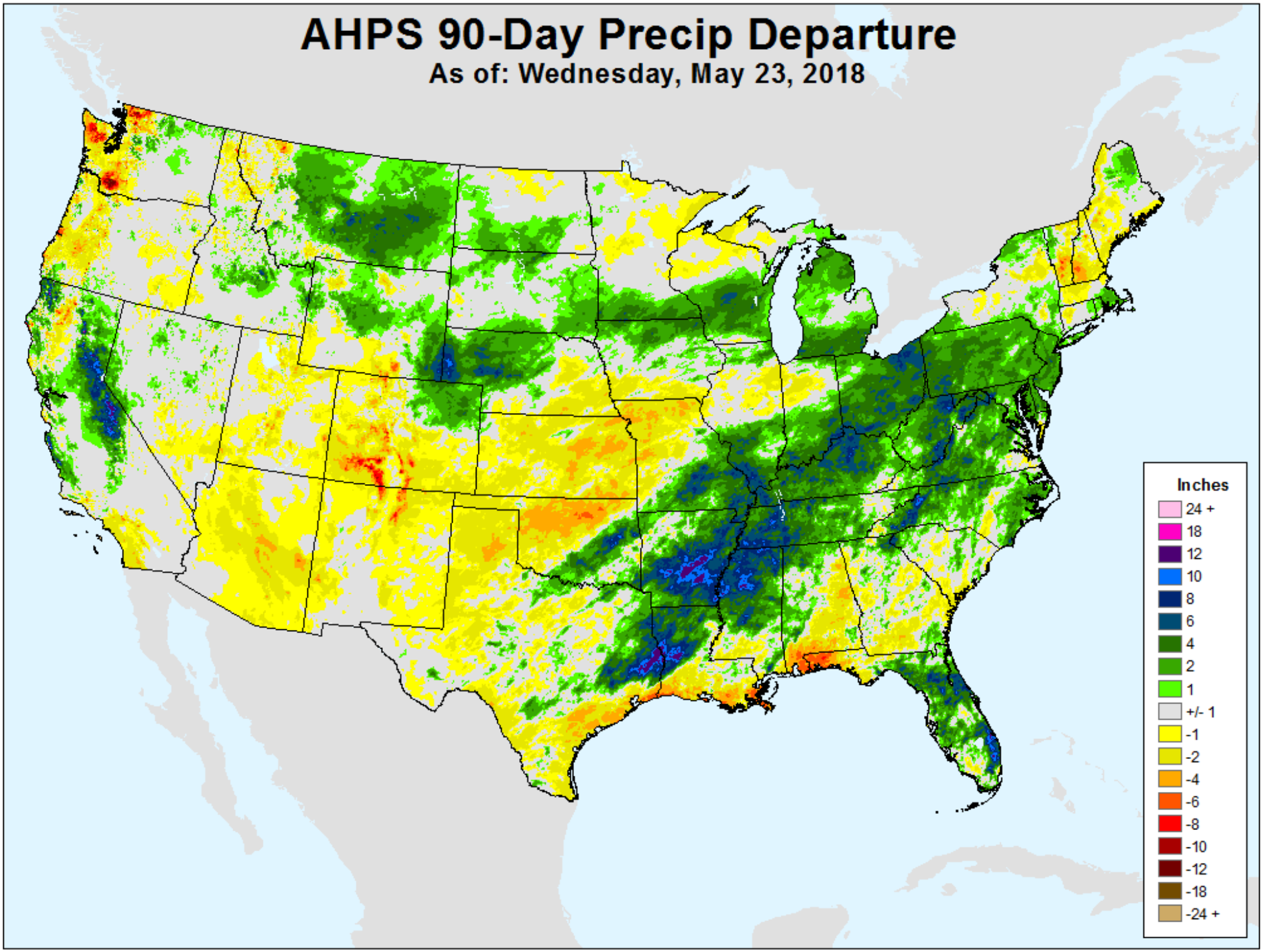


Inches
- 24 +
- 18
- 12
- 10
- 8
- 6
- 4
- 2
- 1
- +/- 1
- -1
- -2
- -4
- -6
- -8
- -10
- -12
- -18
- -24 +

USDM for: May. 15, 2018

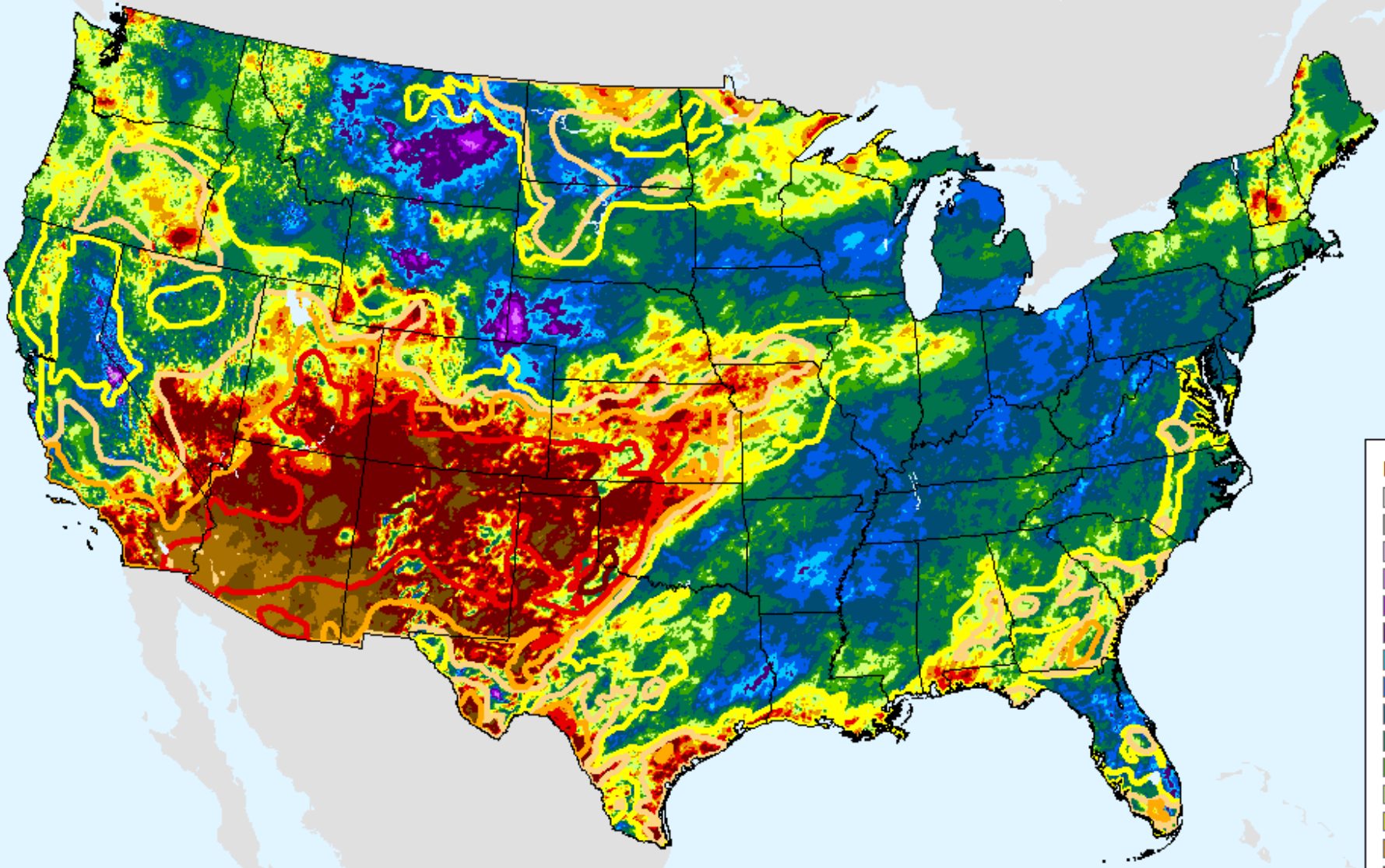
AHPS 90-Day Precip Departure

As of: Wednesday, May 23, 2018



AHPS 90-Day Pct of Normal Pcp

As of: Wednesday, May 23, 2018

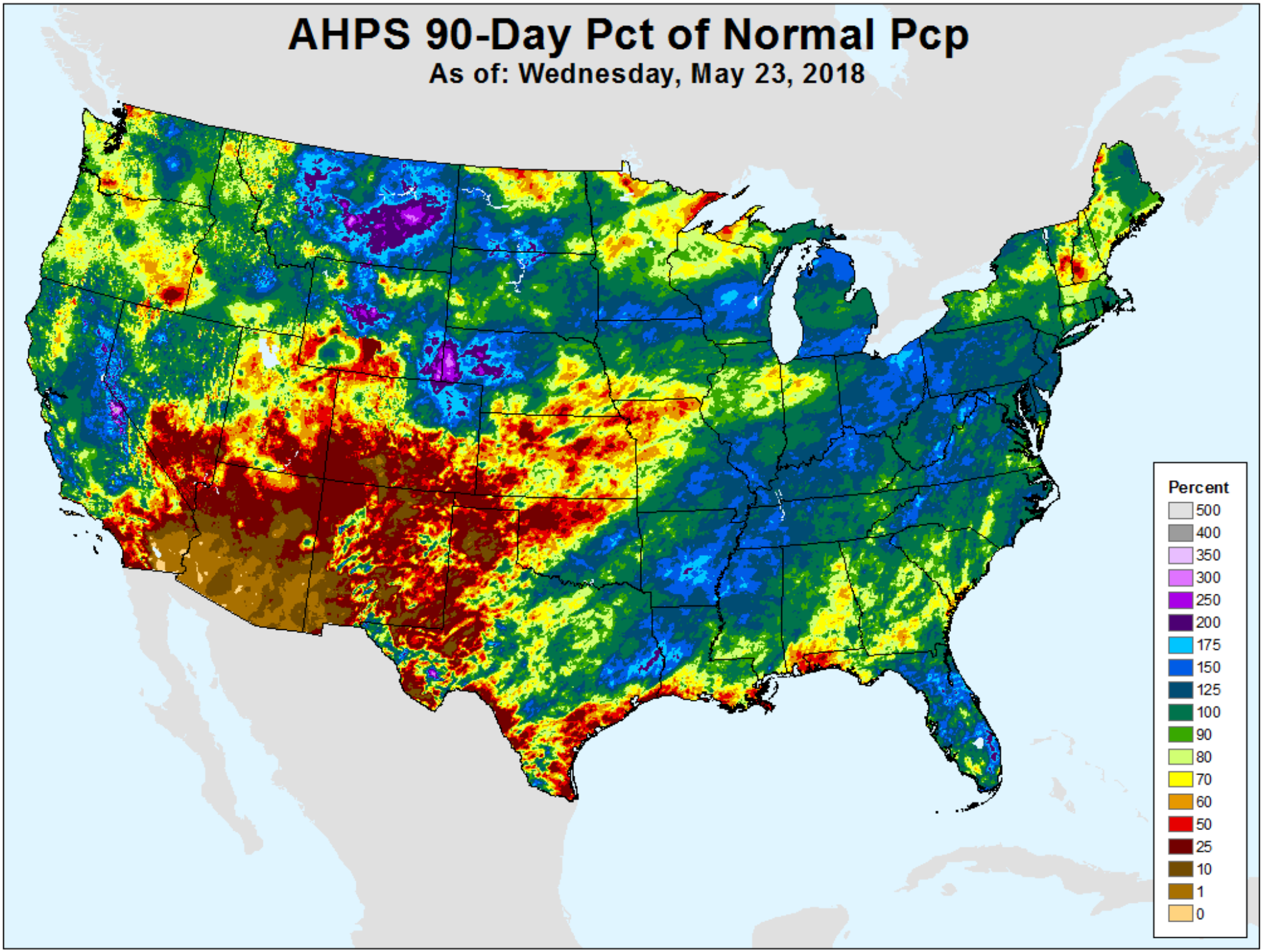


Percent
500
400
350
300
250
200
175
150
125
100
90
80
70
60
50
25
10
1
0

USDM for: May. 15, 2018

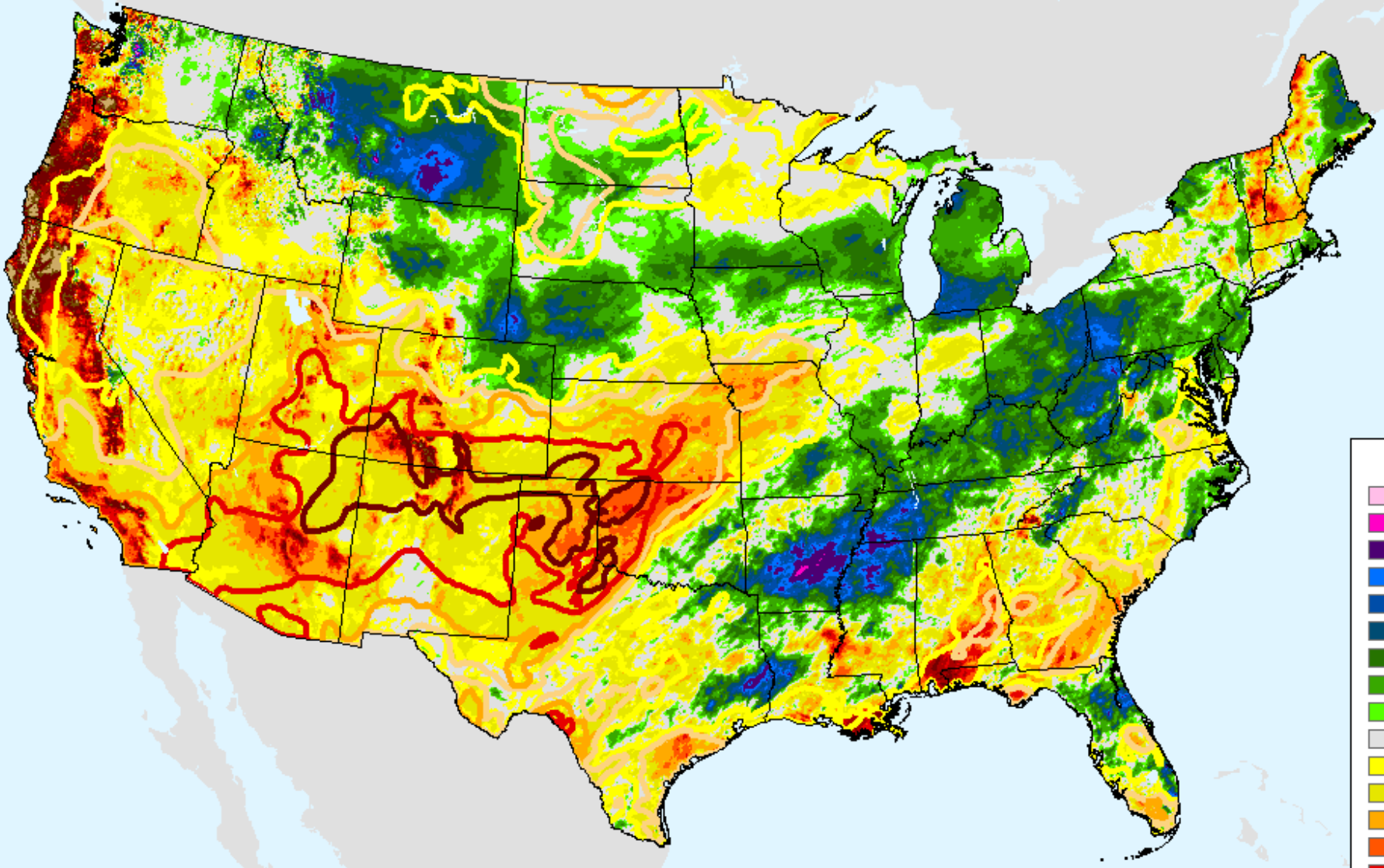
AHPS 90-Day Pct of Normal Pcp

As of: Wednesday, May 23, 2018



AHPS 180-Day Precip Departure

As of: Wednesday, May 23, 2018



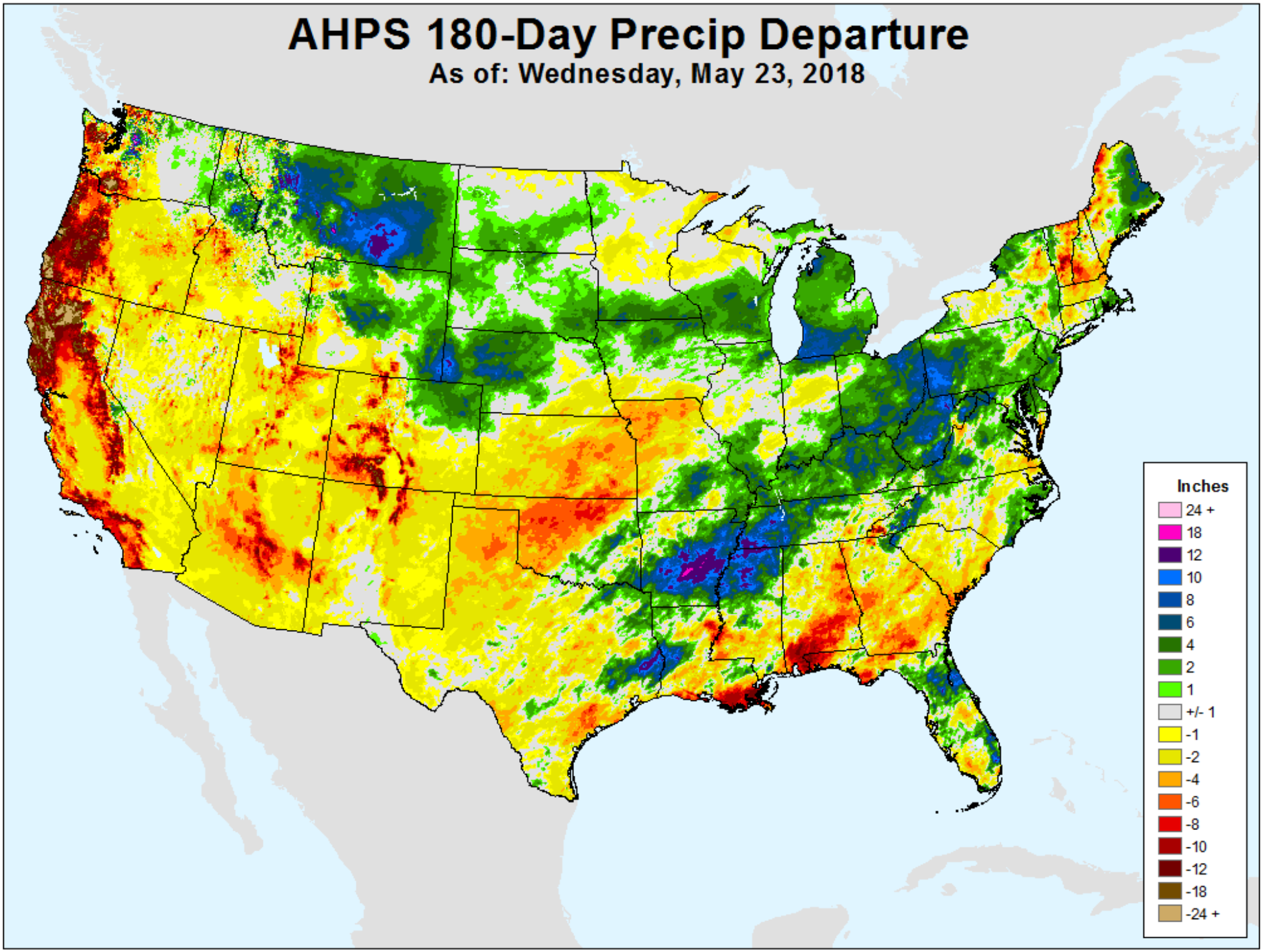
Inches

- 24 +
- 18
- 12
- 10
- 8
- 6
- 4
- 2
- 1
- +/- 1
- -1
- -2
- -4
- -6
- -8
- -10
- -12
- -18
- -24 +

USDM for: May. 15, 2018

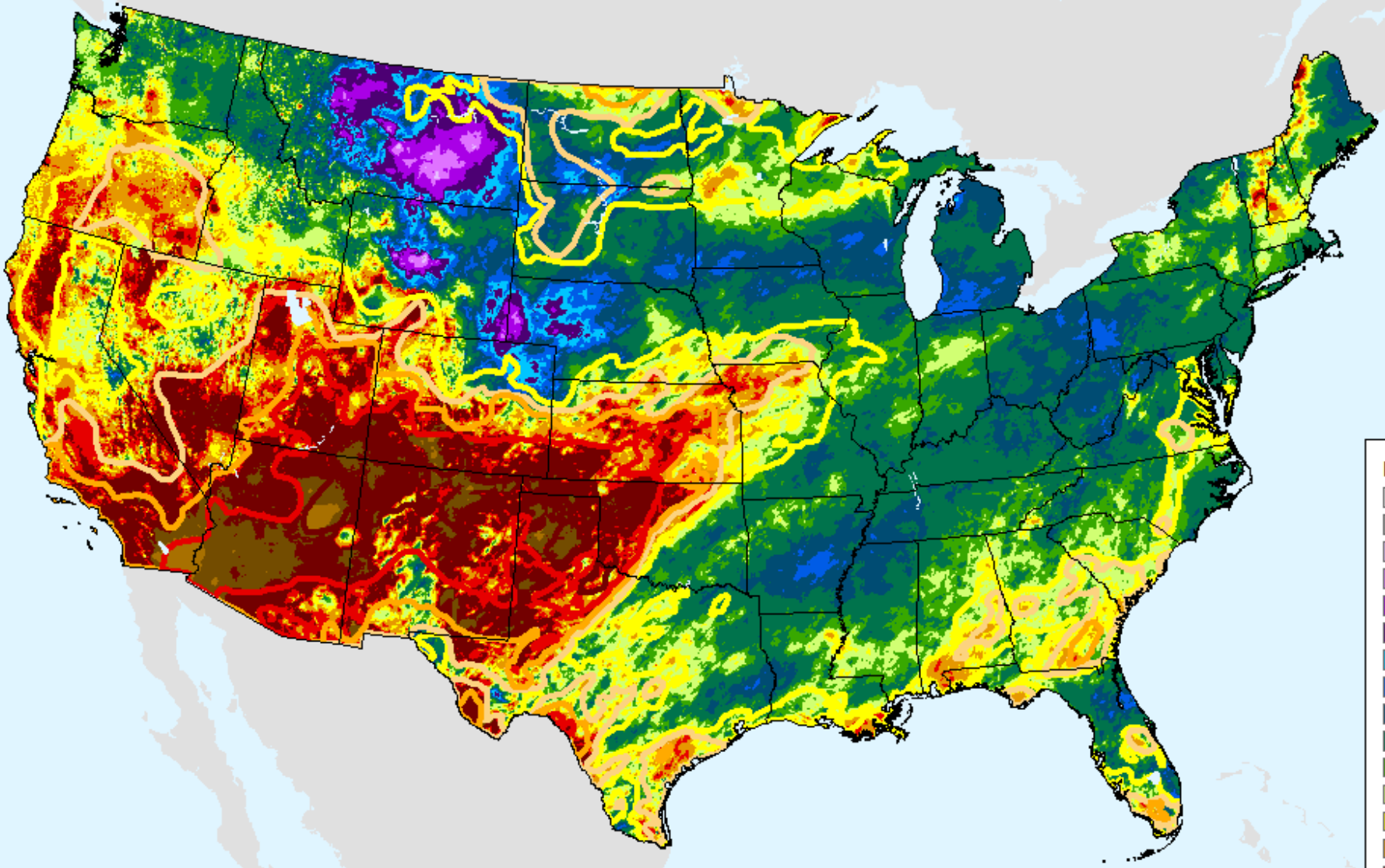
AHPS 180-Day Precip Departure

As of: Wednesday, May 23, 2018



AHPS 180-Day Pct of Normal Pcp

As of: Wednesday, May 23, 2018

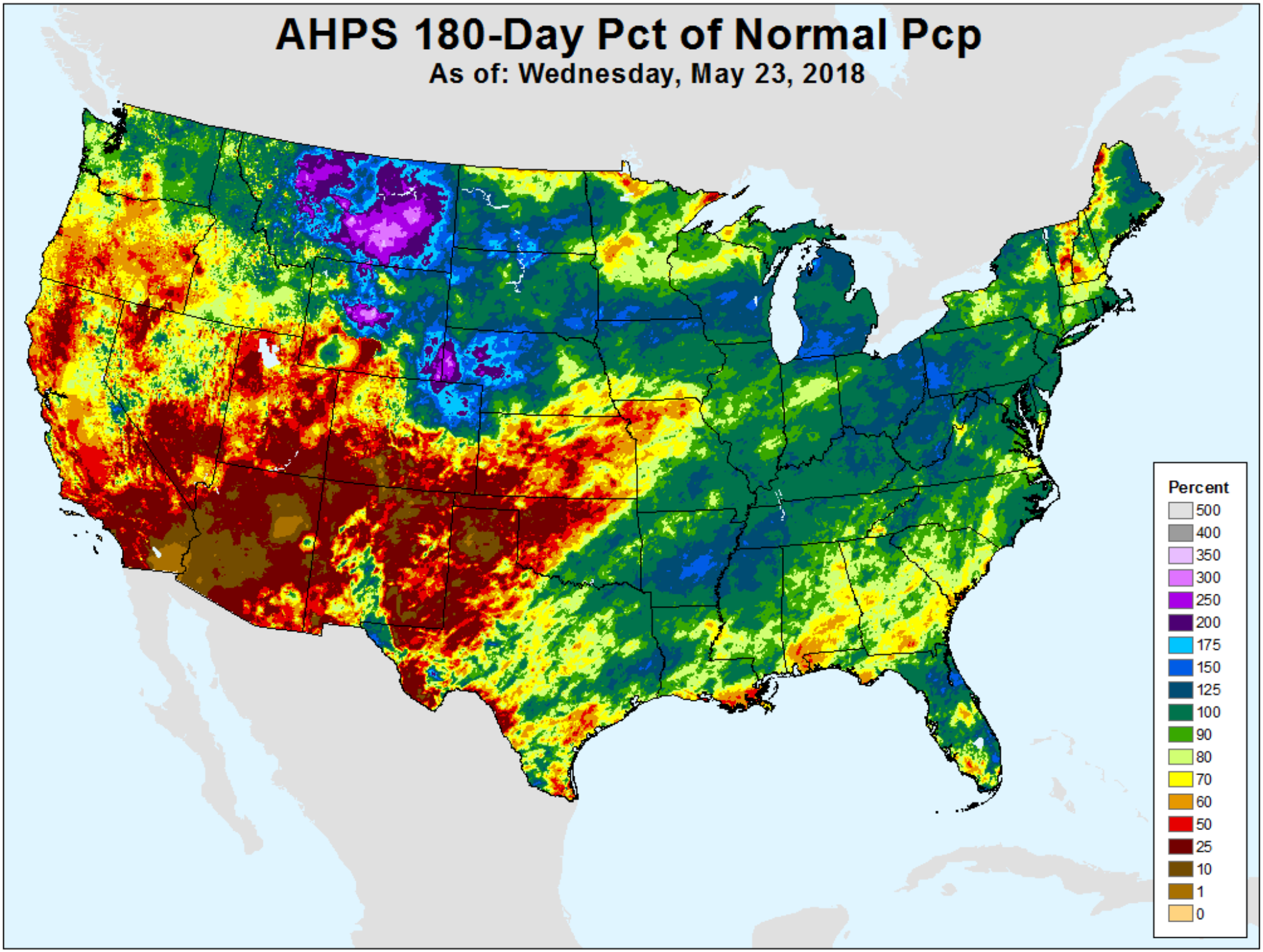


Percent
500
400
350
300
250
200
175
150
125
100
90
80
70
60
50
25
10
1
0

USDM for: May. 15, 2018

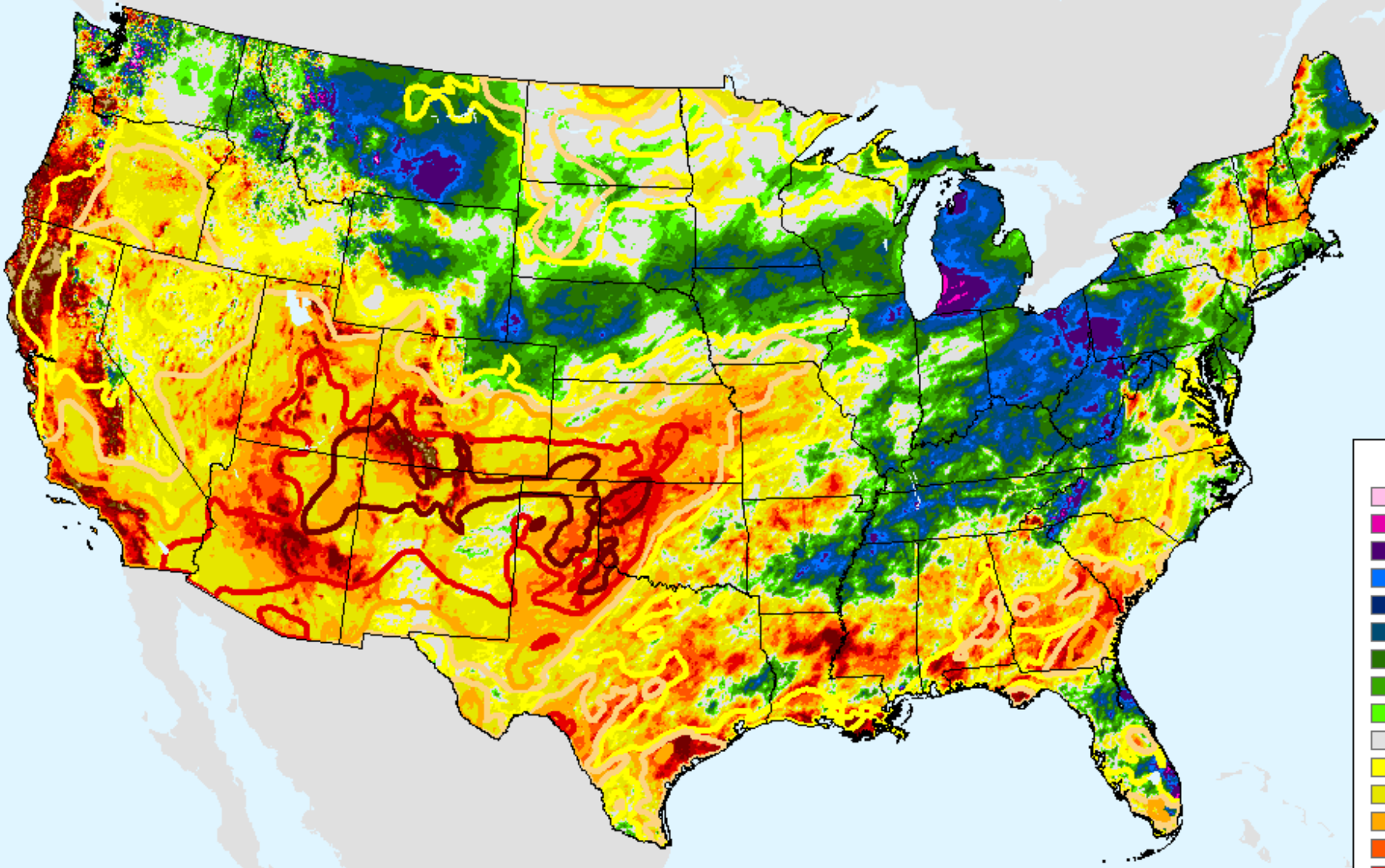
AHPS 180-Day Pct of Normal Pcp

As of: Wednesday, May 23, 2018



AHPS Water-Year Precip Departure

As of: Wednesday, May 23, 2018



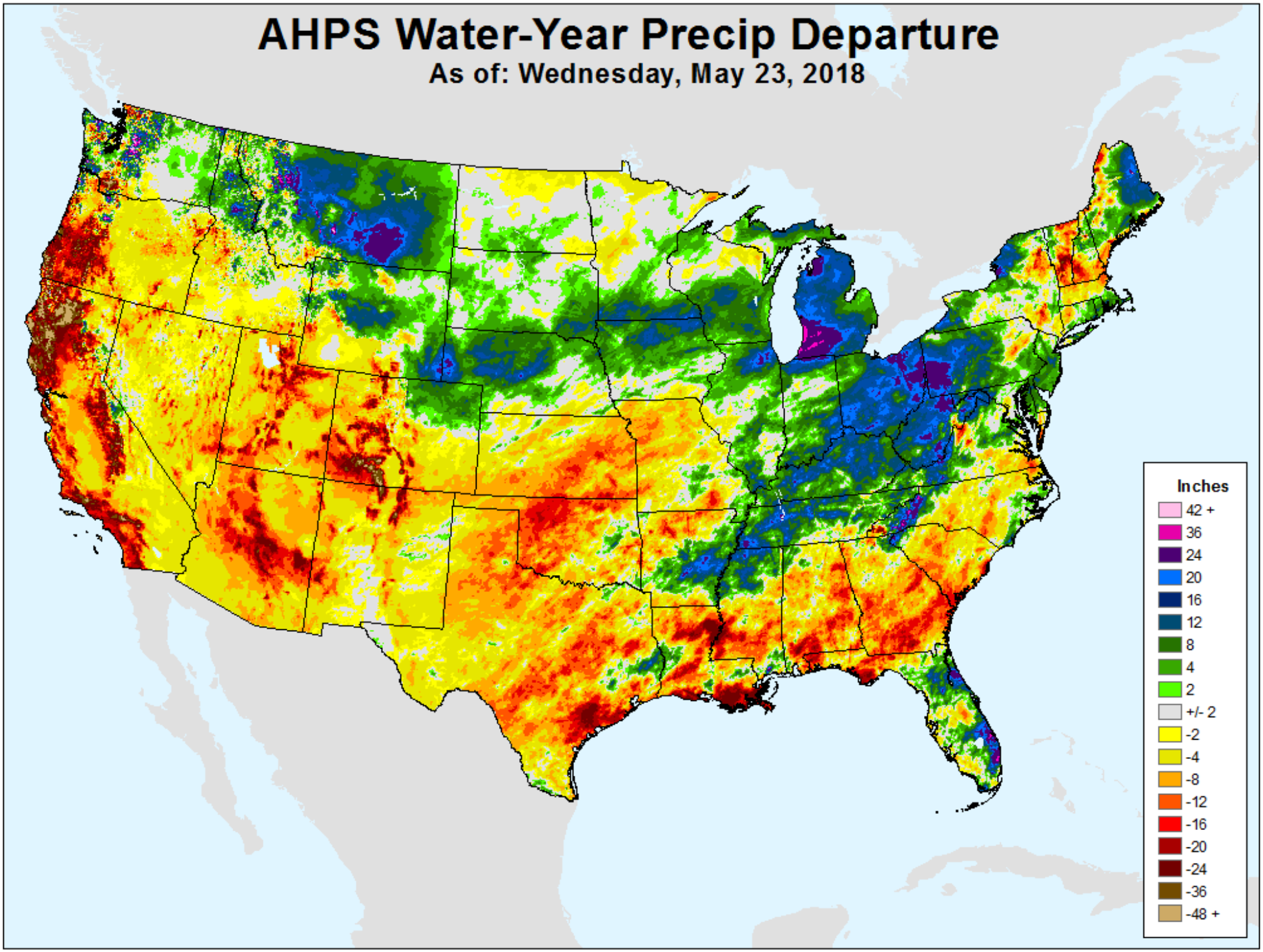
Inches

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

USDM for: May. 15, 2018

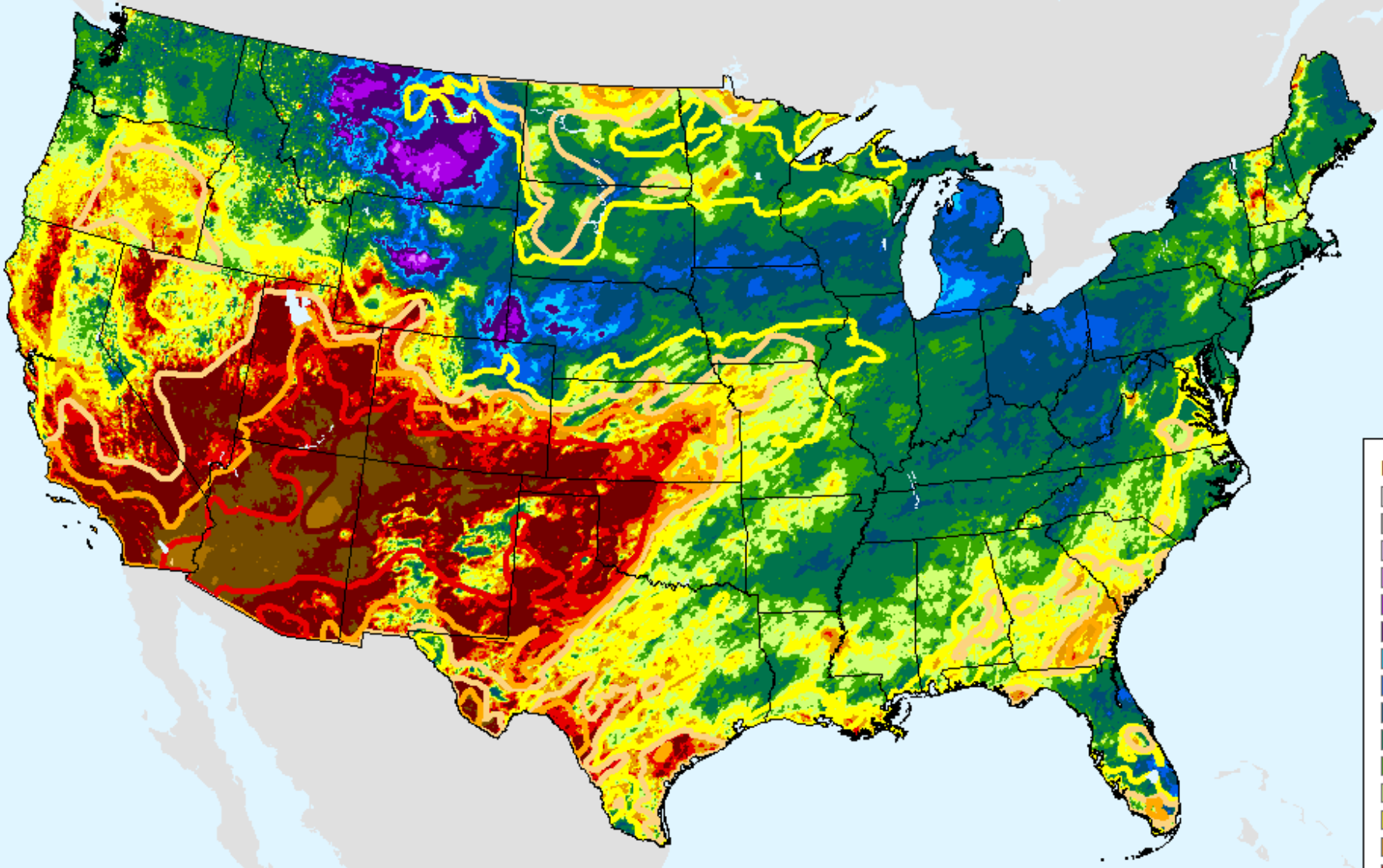
AHPS Water-Year Precip Departure

As of: Wednesday, May 23, 2018



AHPS Water-Year Pct of Normal Pcp

As of: Wednesday, May 23, 2018

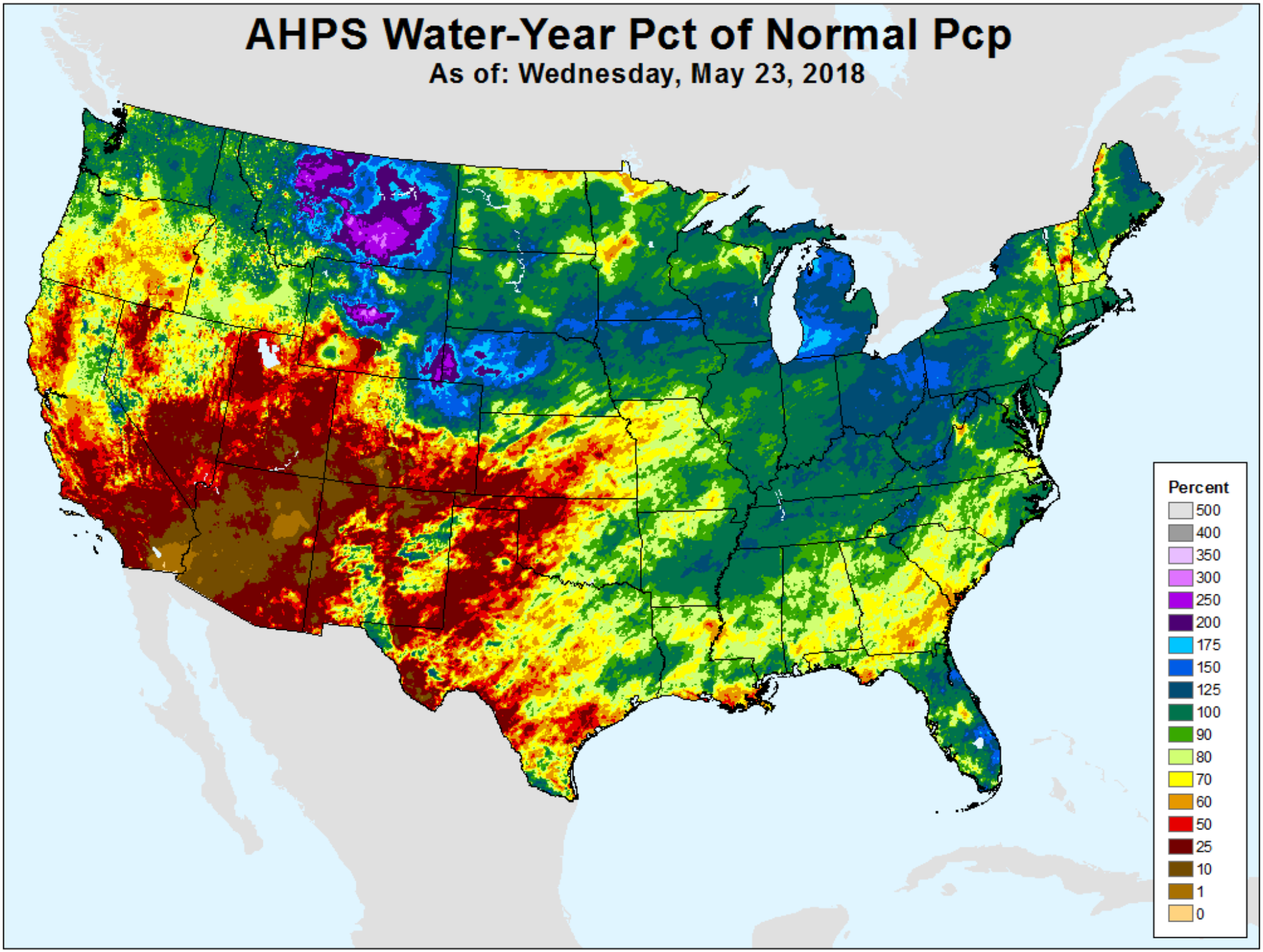


Percent
500
400
350
300
250
200
175
150
125
100
90
80
70
60
50
25
10
1
0

USDM for: May. 15, 2018

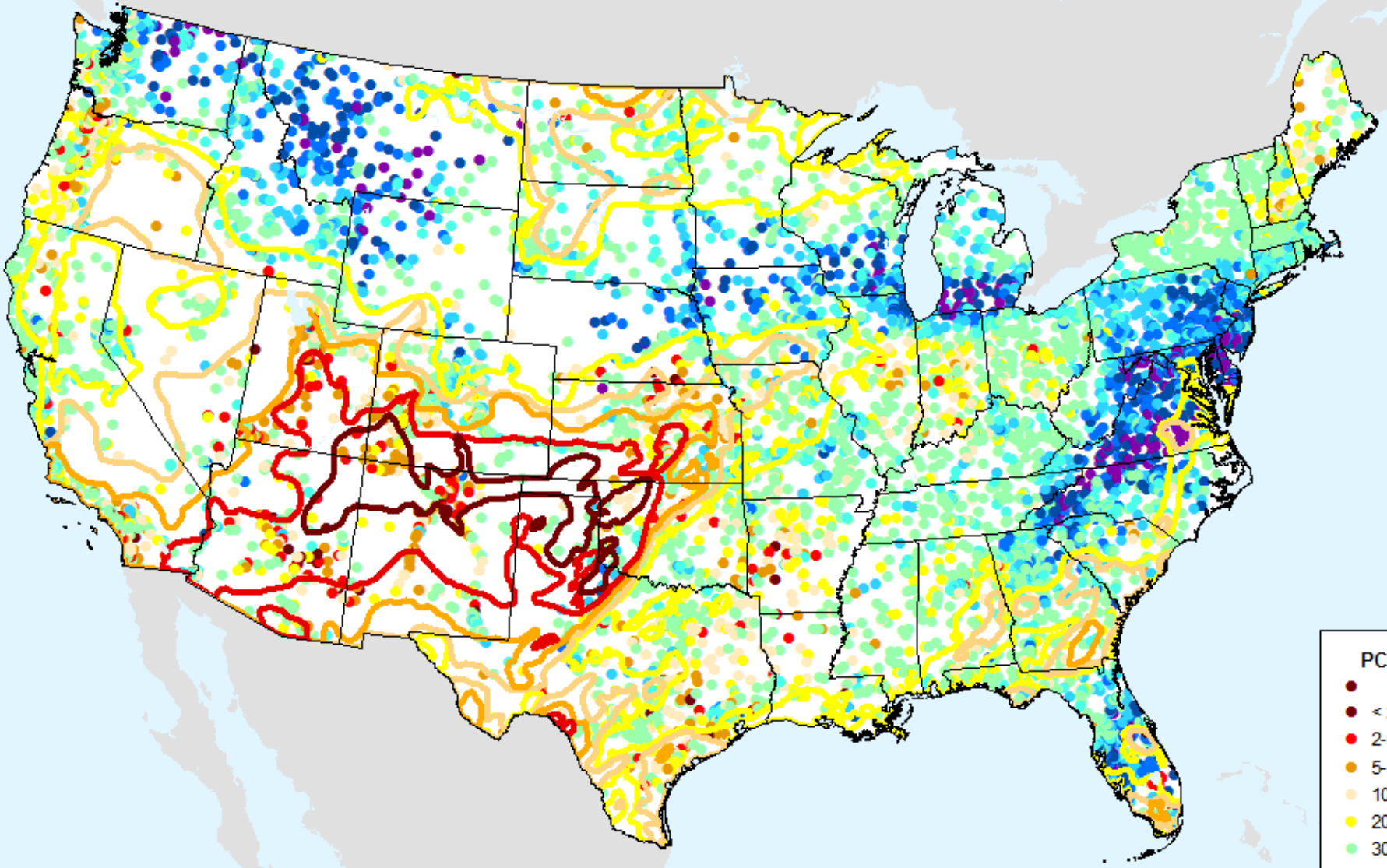
AHPS Water-Year Pct of Normal Pcp

As of: Wednesday, May 23, 2018



USGS 7-Day Avg Streamflow

As of: Wednesday, May 23, 2018



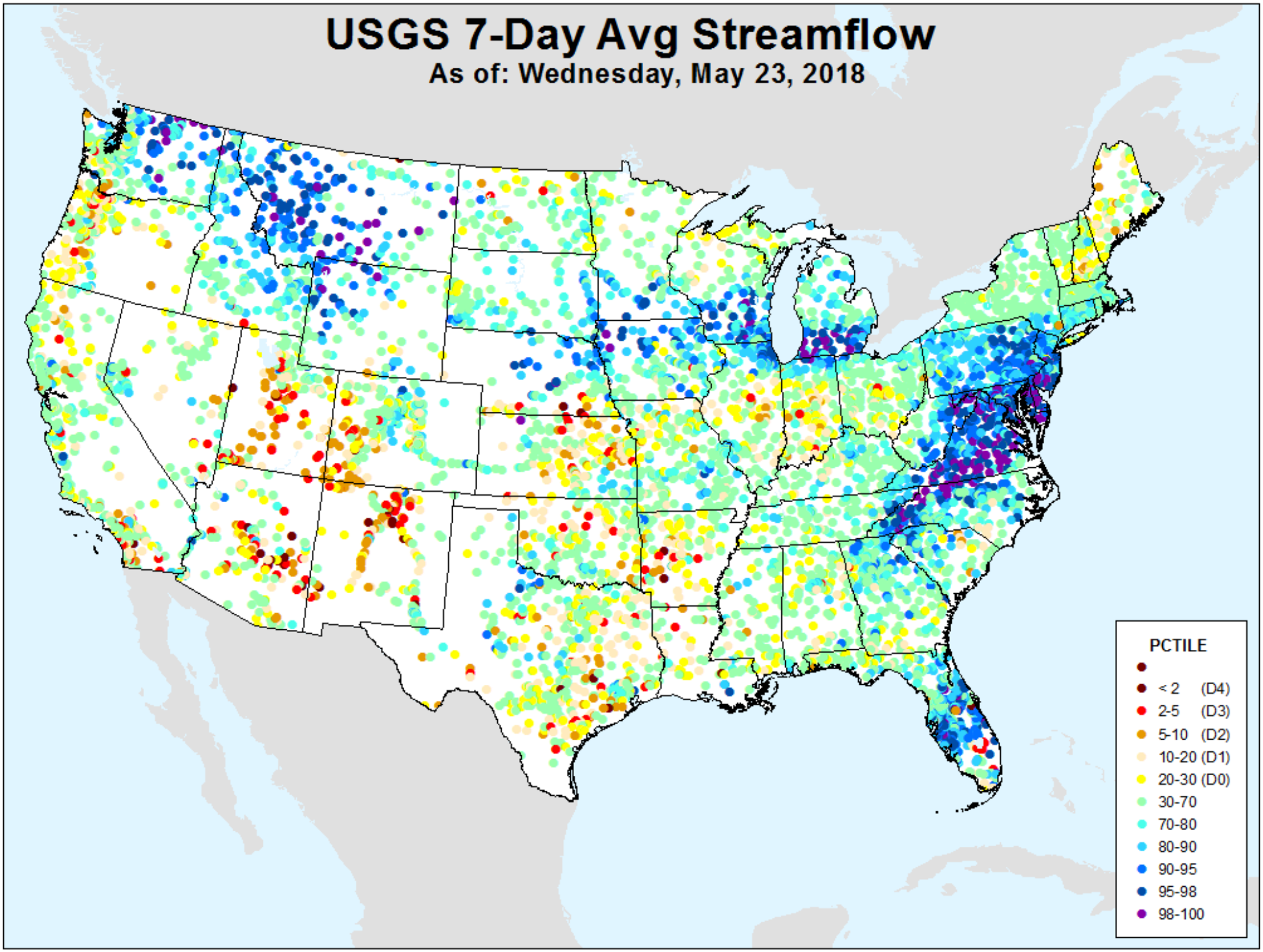
PCTILE

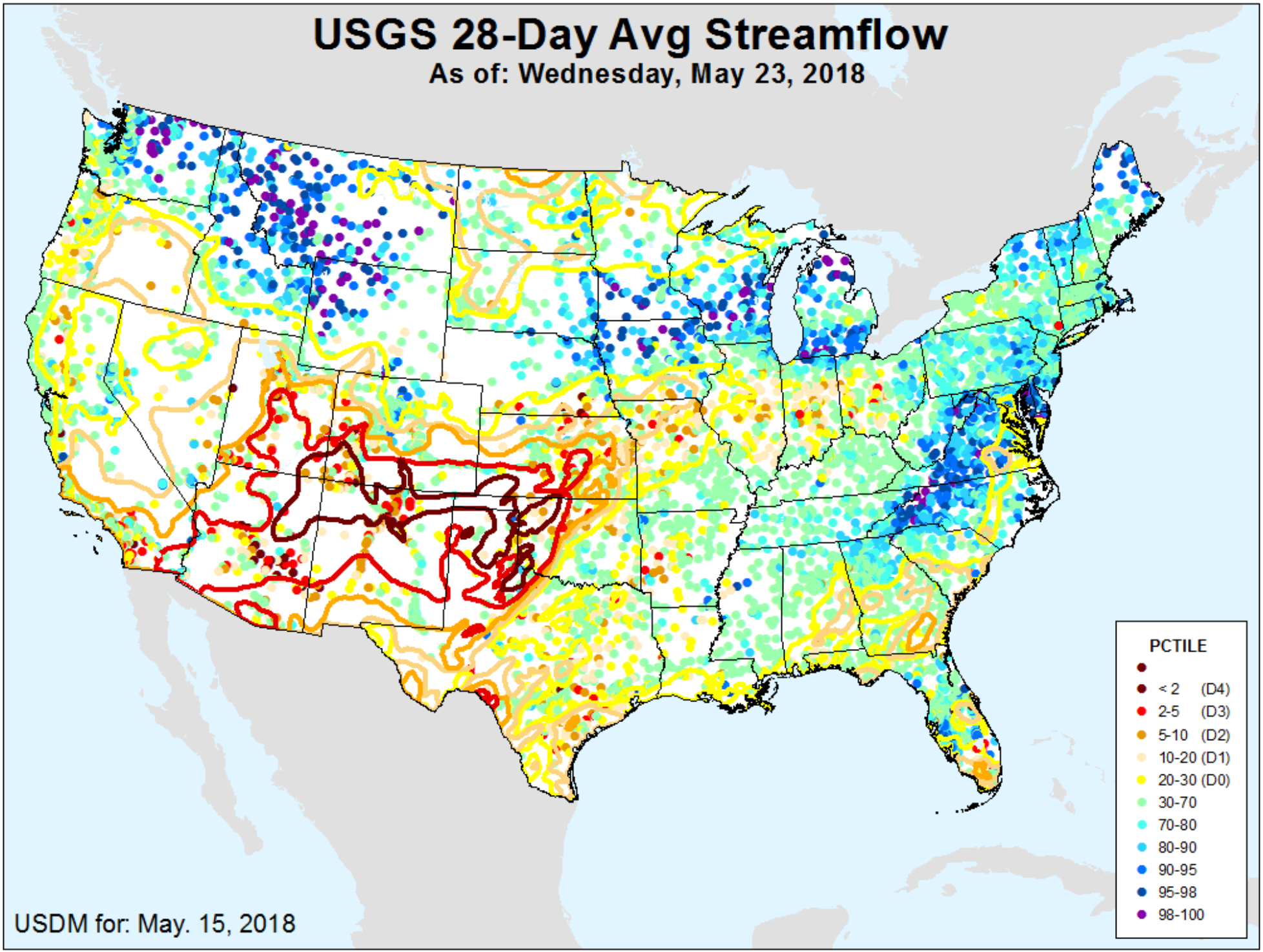
- < 2 (D4)
- 2-5 (D3)
- 5-10 (D2)
- 10-20 (D1)
- 20-30 (D0)
- 30-70
- 70-80
- 80-90
- 90-95
- 95-98
- 98-100

USDM for: May. 15, 2018

USGS 7-Day Avg Streamflow

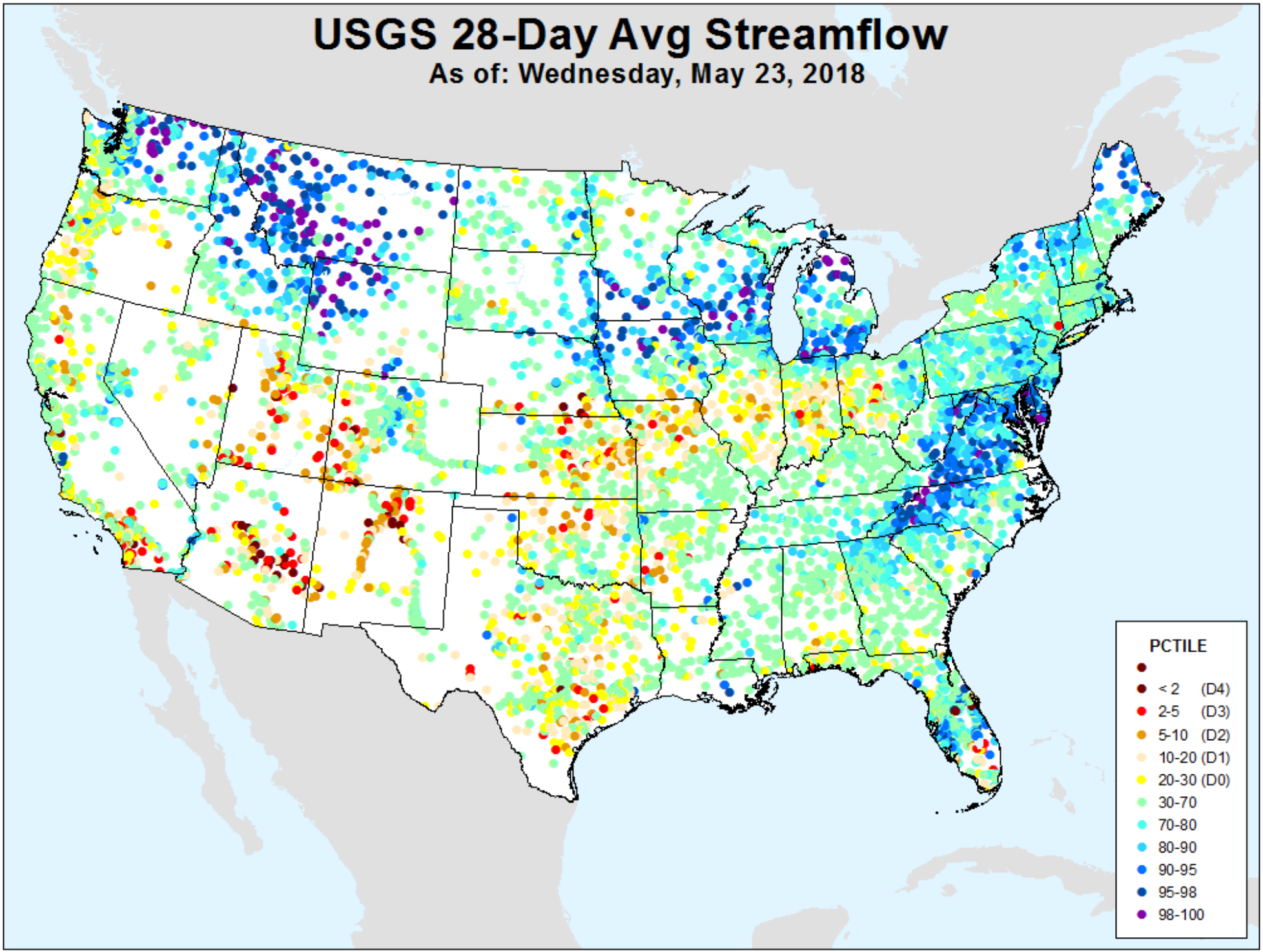
As of: Wednesday, May 23, 2018




USGS 28-Day Avg Streamflow
As of: Wednesday, May 23, 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: May. 15, 2018

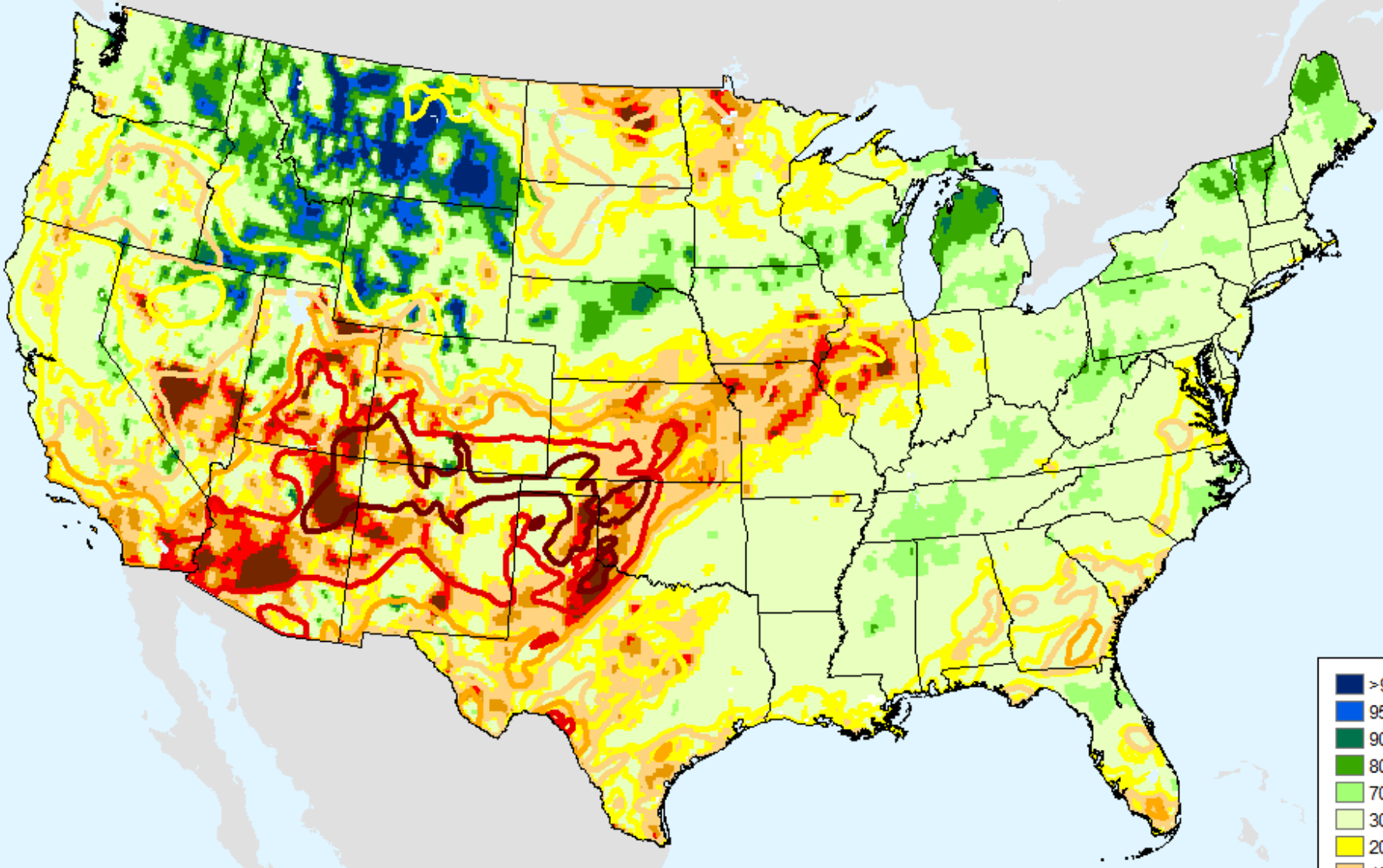
USGS 28-Day Avg Streamflow

As of: Wednesday, May 23, 2018



NLDAS Top 1m Soil Moisture

As of: Wednesday, May 23, 2018

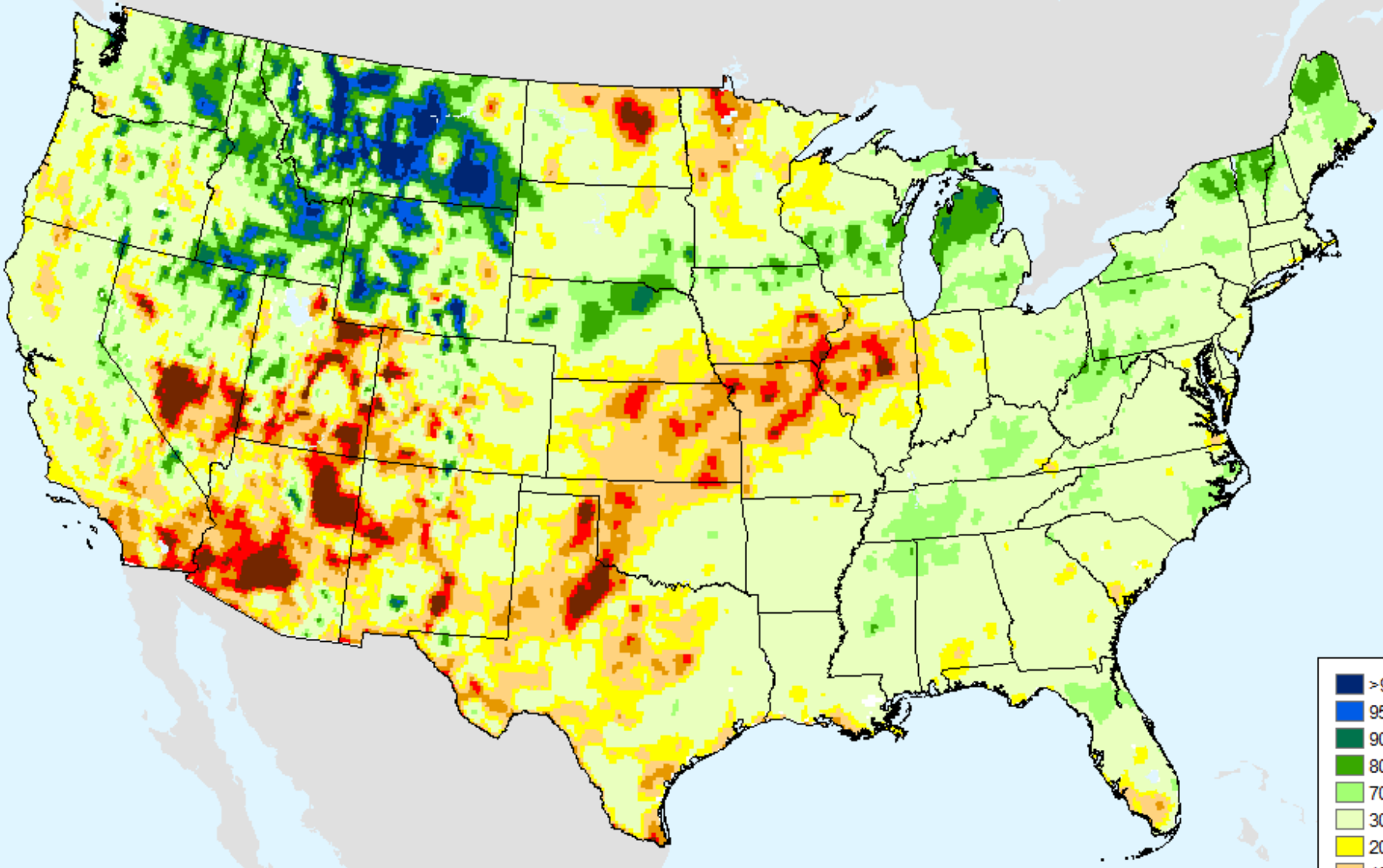


>98	
95-98	
90-95	
80-90	
70-80	
30-70	
20-30	(D0)
10-20	(D1)
5-10	(D2)
2-5	(D3)
<2	(D4)
ND	

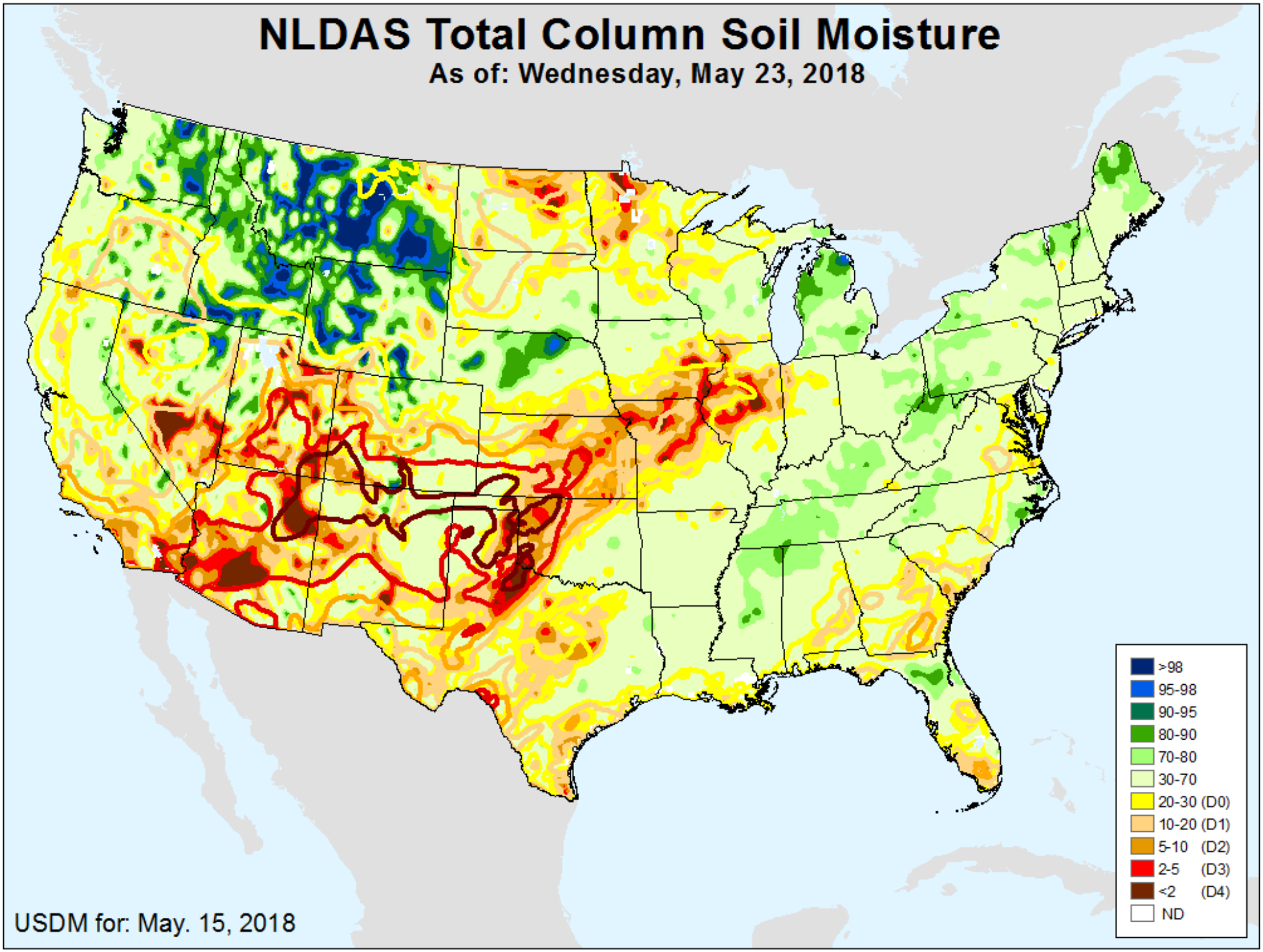
USDM for: May. 15, 2018

NLDAS Top 1m Soil Moisture

As of: Wednesday, May 23, 2018

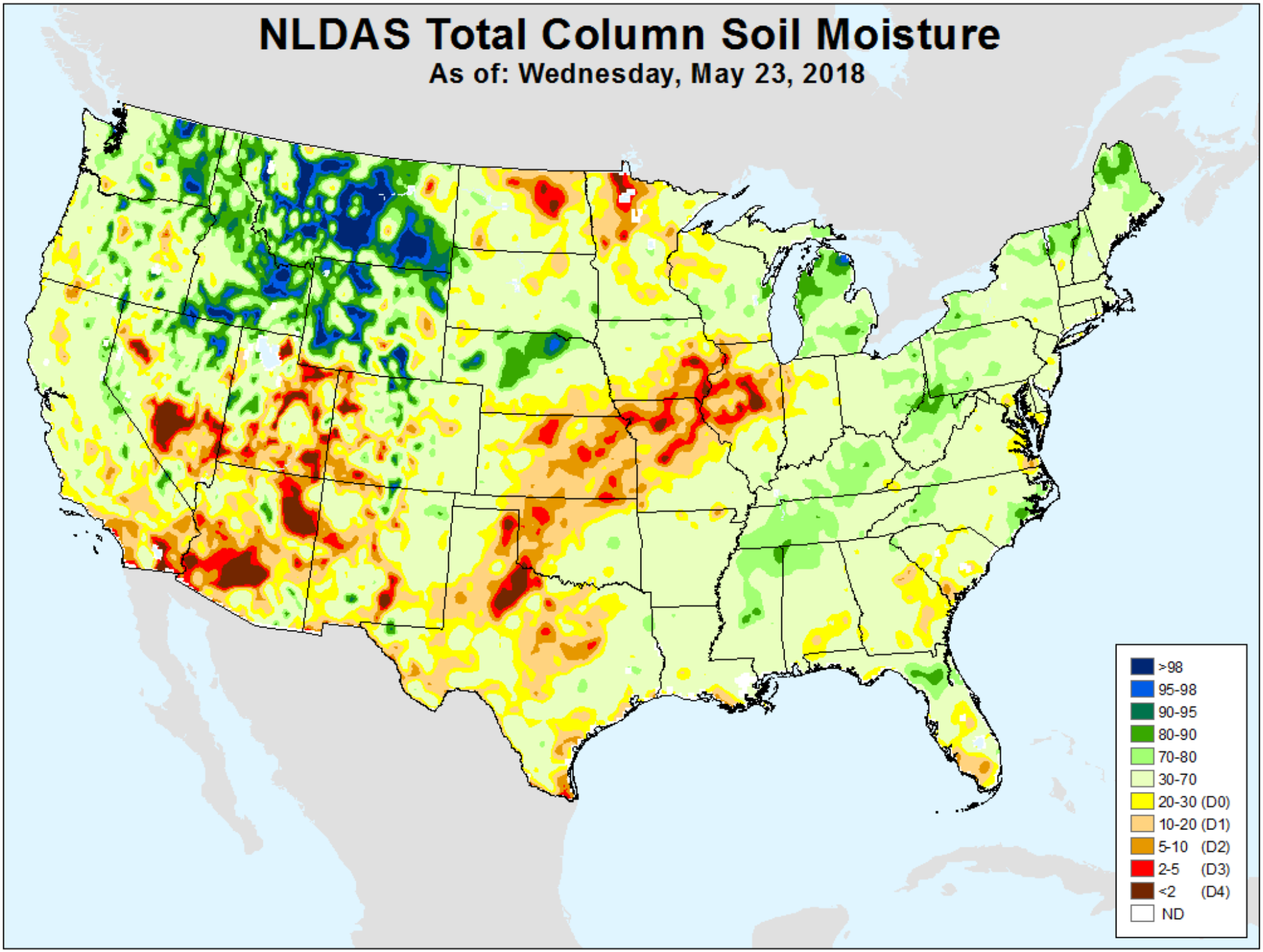


>98	
95-98	
90-95	
80-90	
70-80	
30-70	
20-30	(D0)
10-20	(D1)
5-10	(D2)
2-5	(D3)
<2	(D4)
ND	


NLDAS Total Column Soil Moisture
As of: Wednesday, May 23, 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: May. 15, 2018

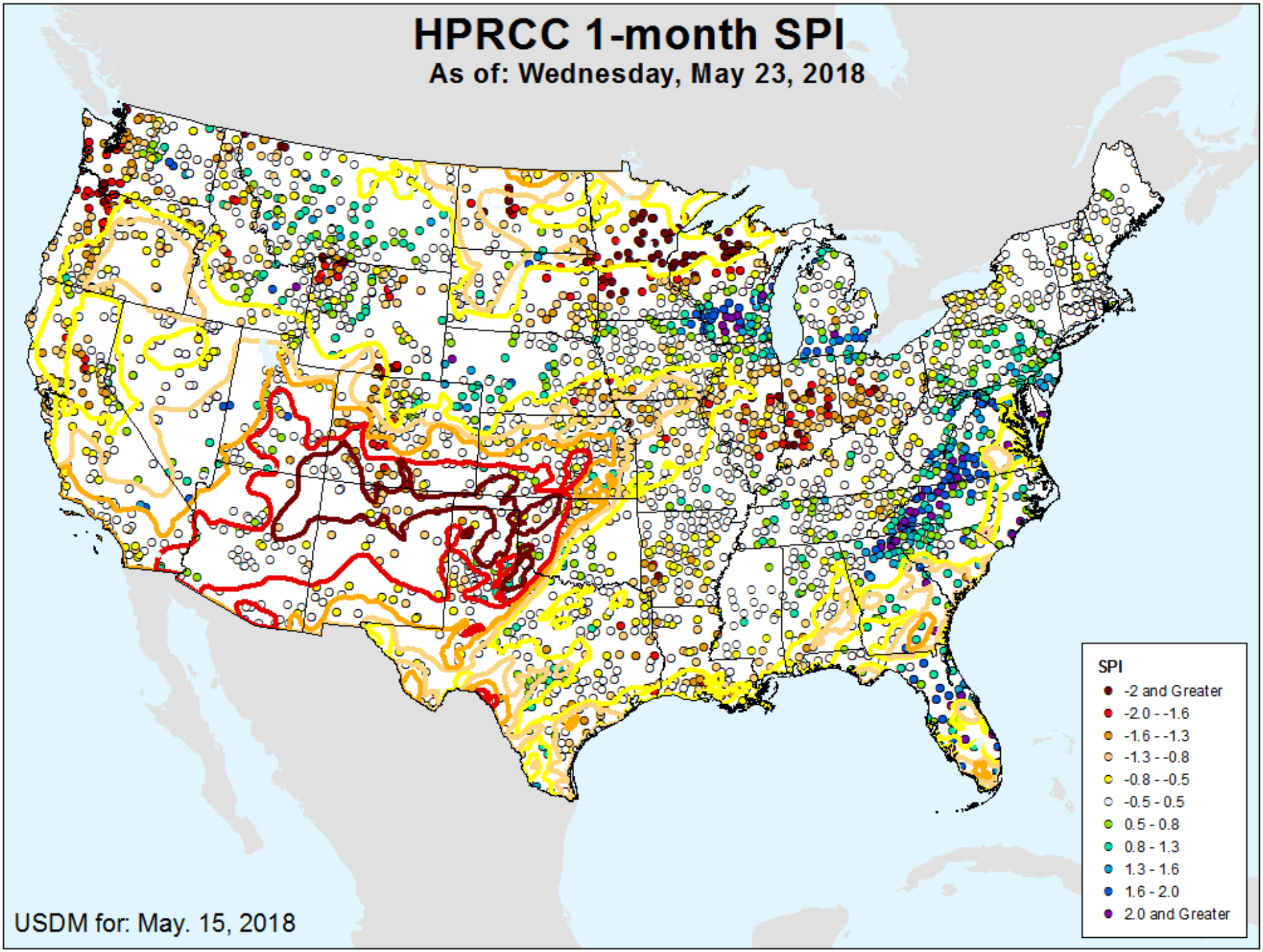
NLDAS Total Column Soil Moisture

As of: Wednesday, May 23, 2018



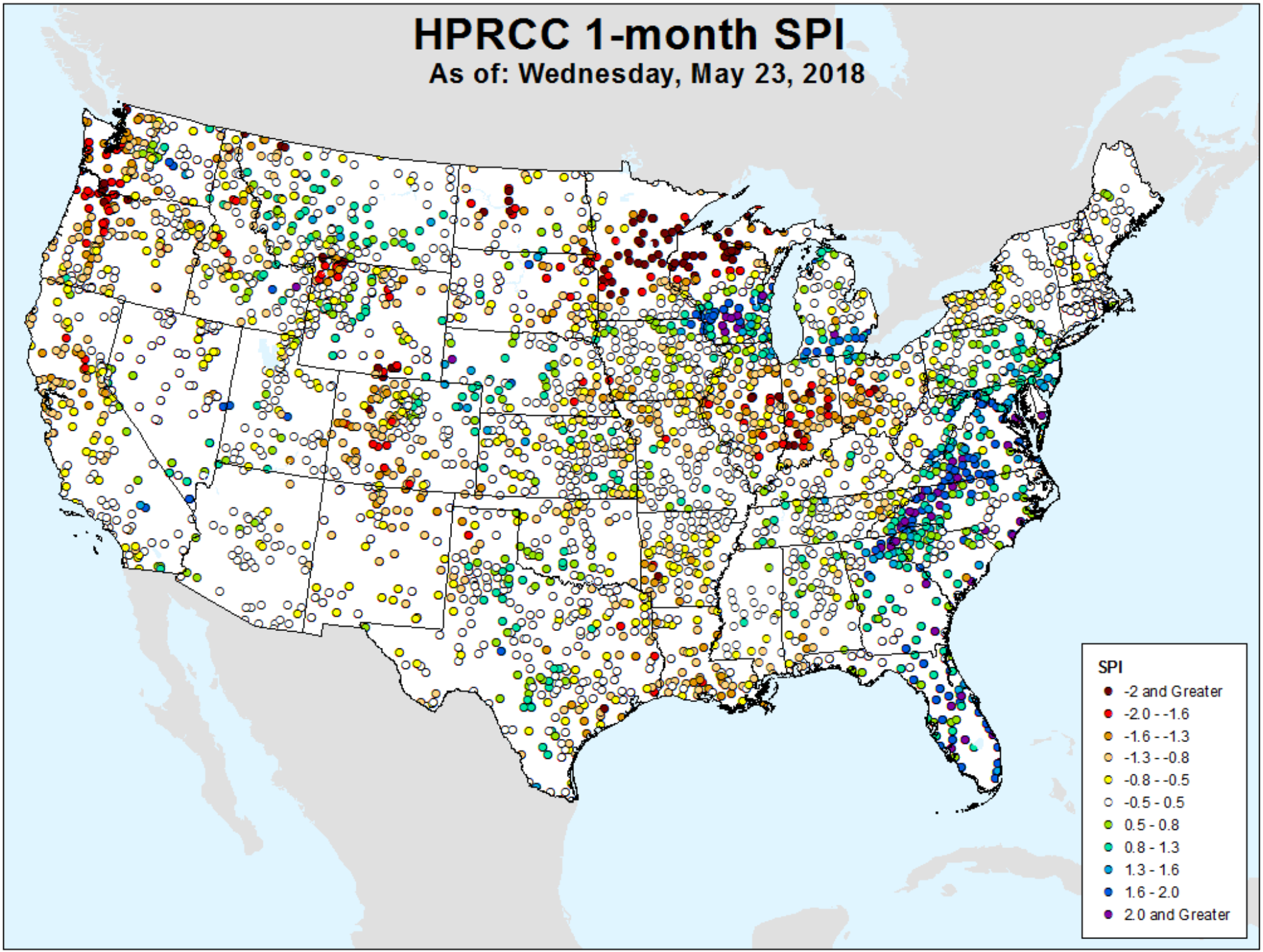
HPRCC 1-month SPI

As of: Wednesday, May 23, 2018



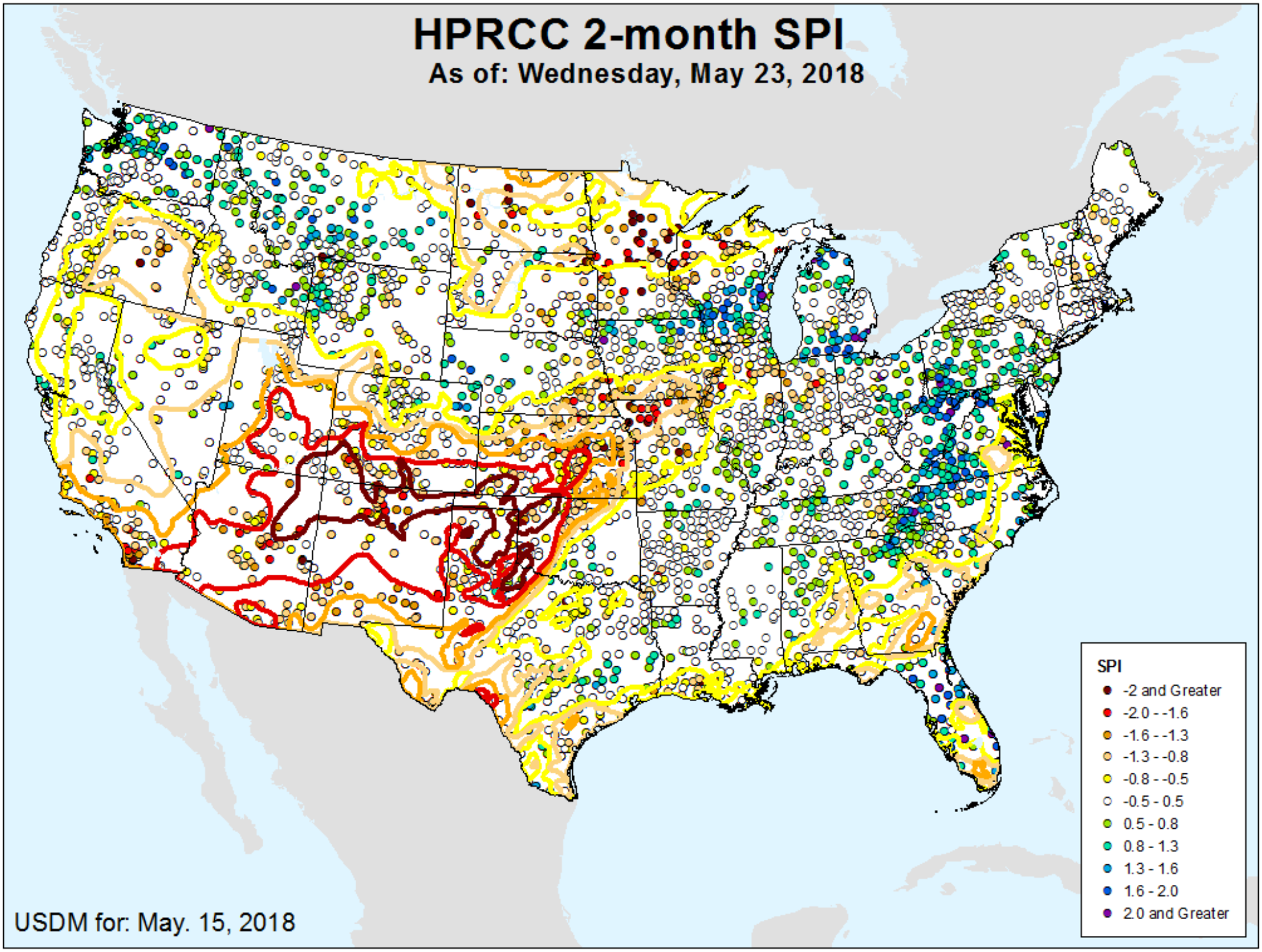
HPRCC 1-month SPI

As of: Wednesday, May 23, 2018



HPRCC 2-month SPI

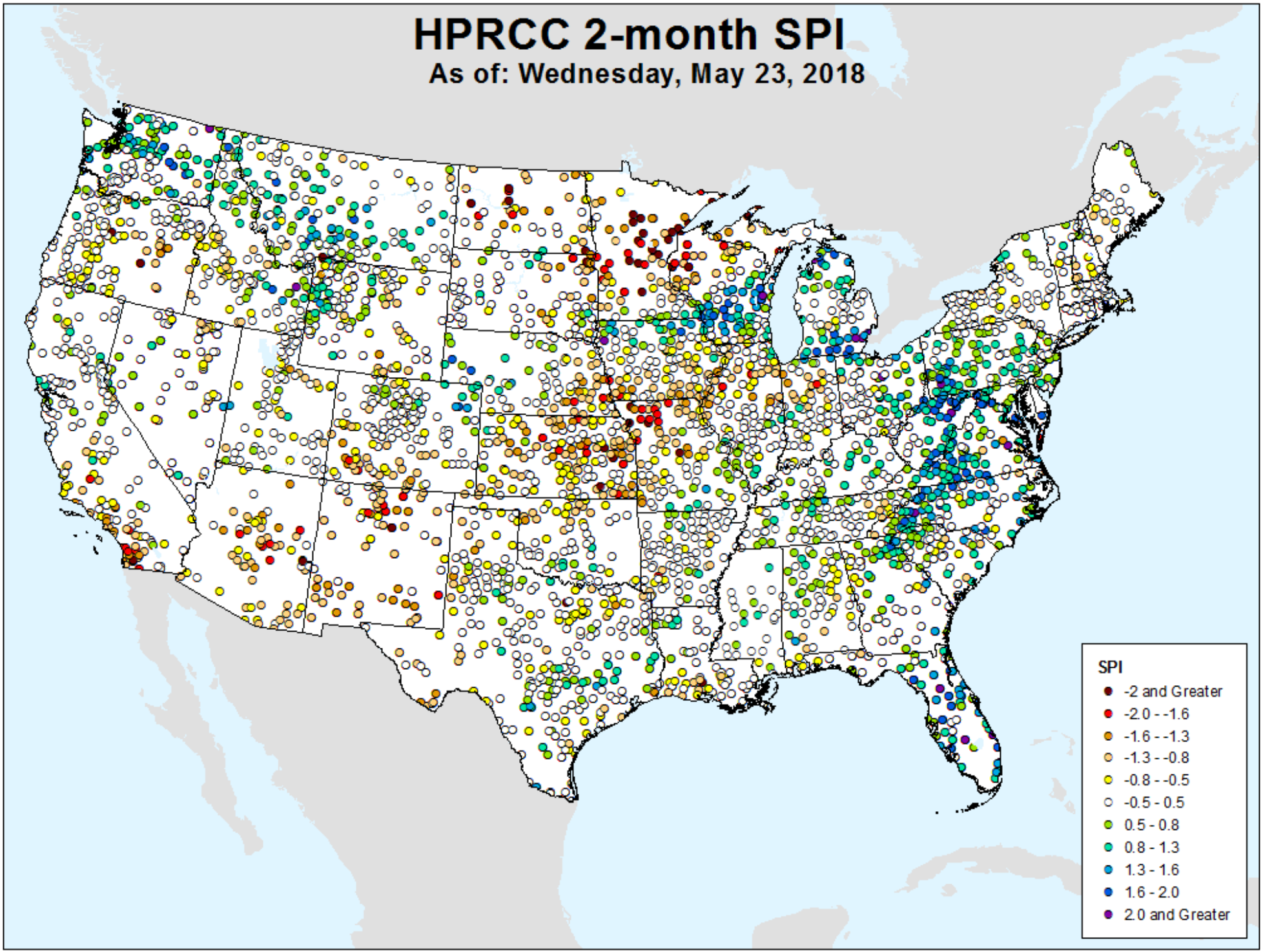
As of: Wednesday, May 23, 2018



USDM for: May. 15, 2018

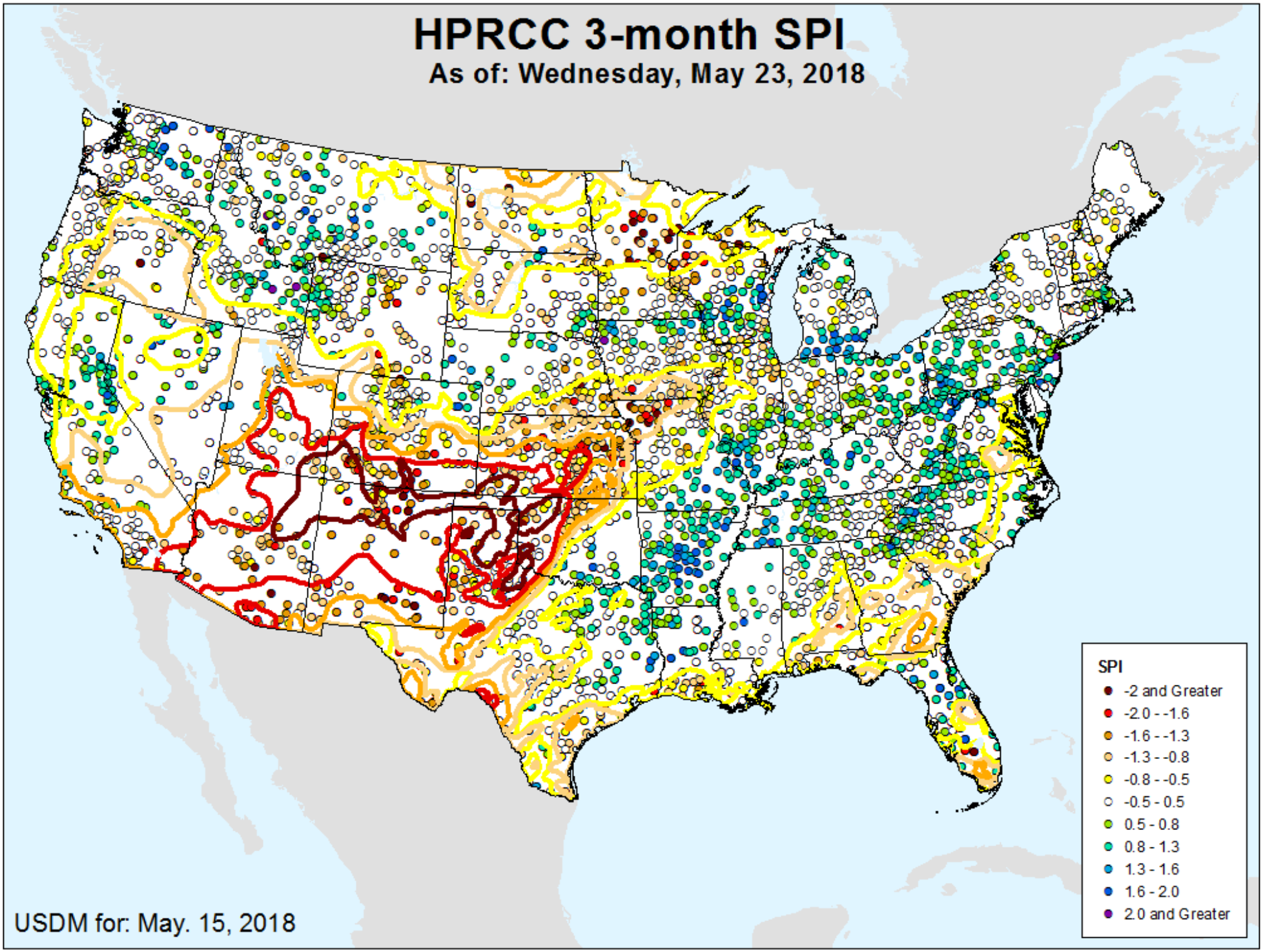
HPRCC 2-month SPI

As of: Wednesday, May 23, 2018



HPRCC 3-month SPI

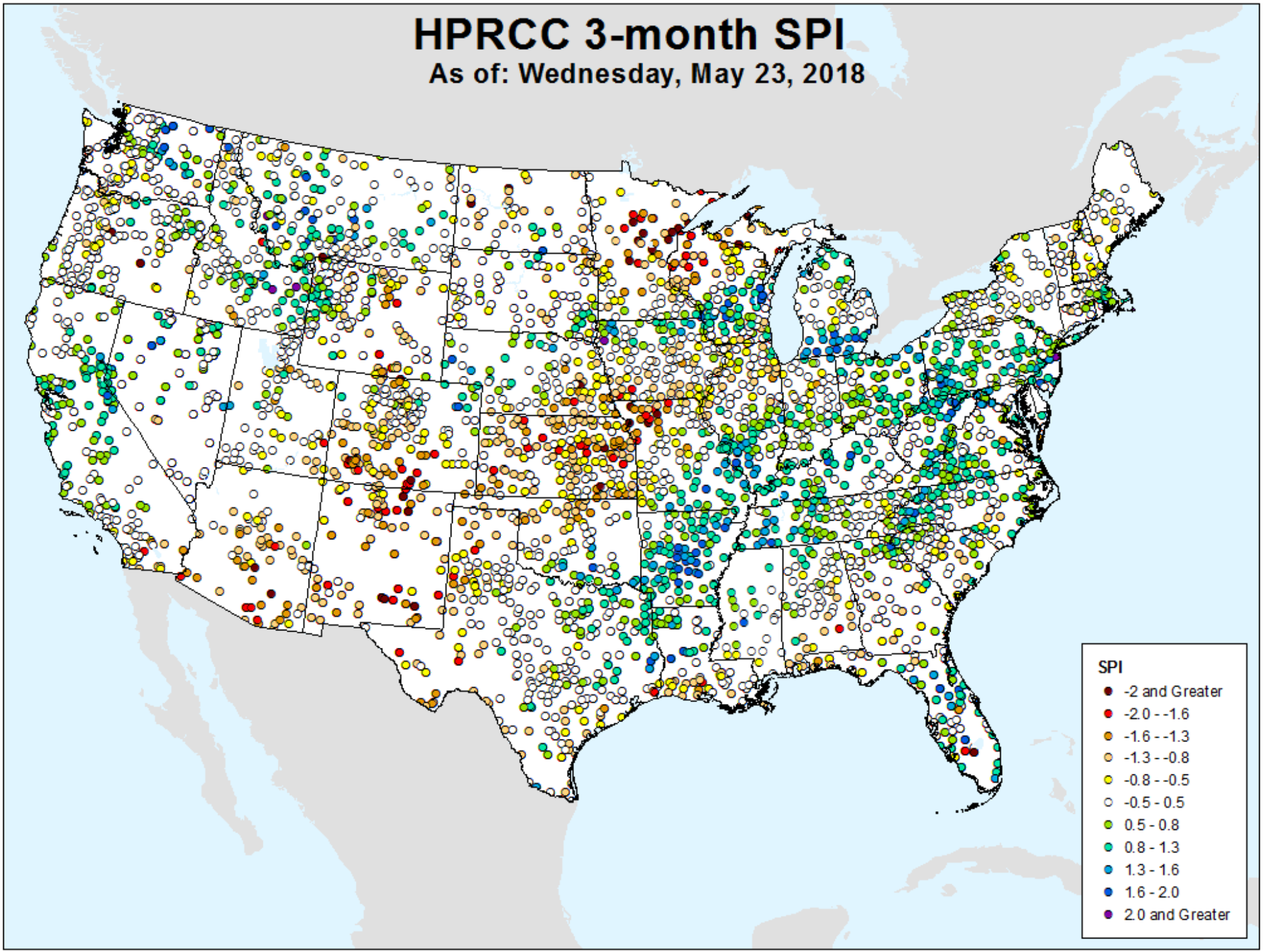
As of: Wednesday, May 23, 2018



USDM for: May. 15, 2018

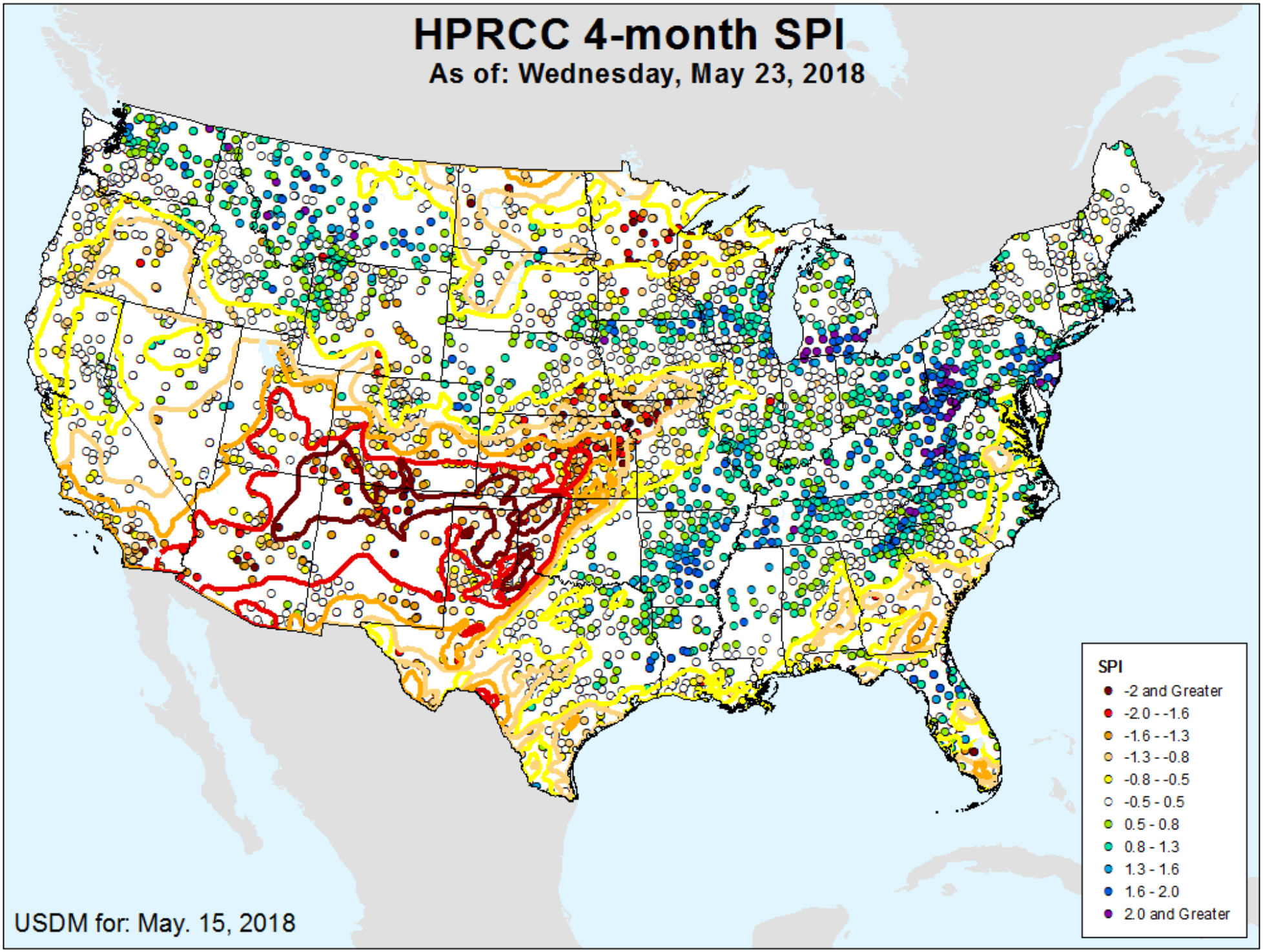
HPRCC 3-month SPI

As of: Wednesday, May 23, 2018



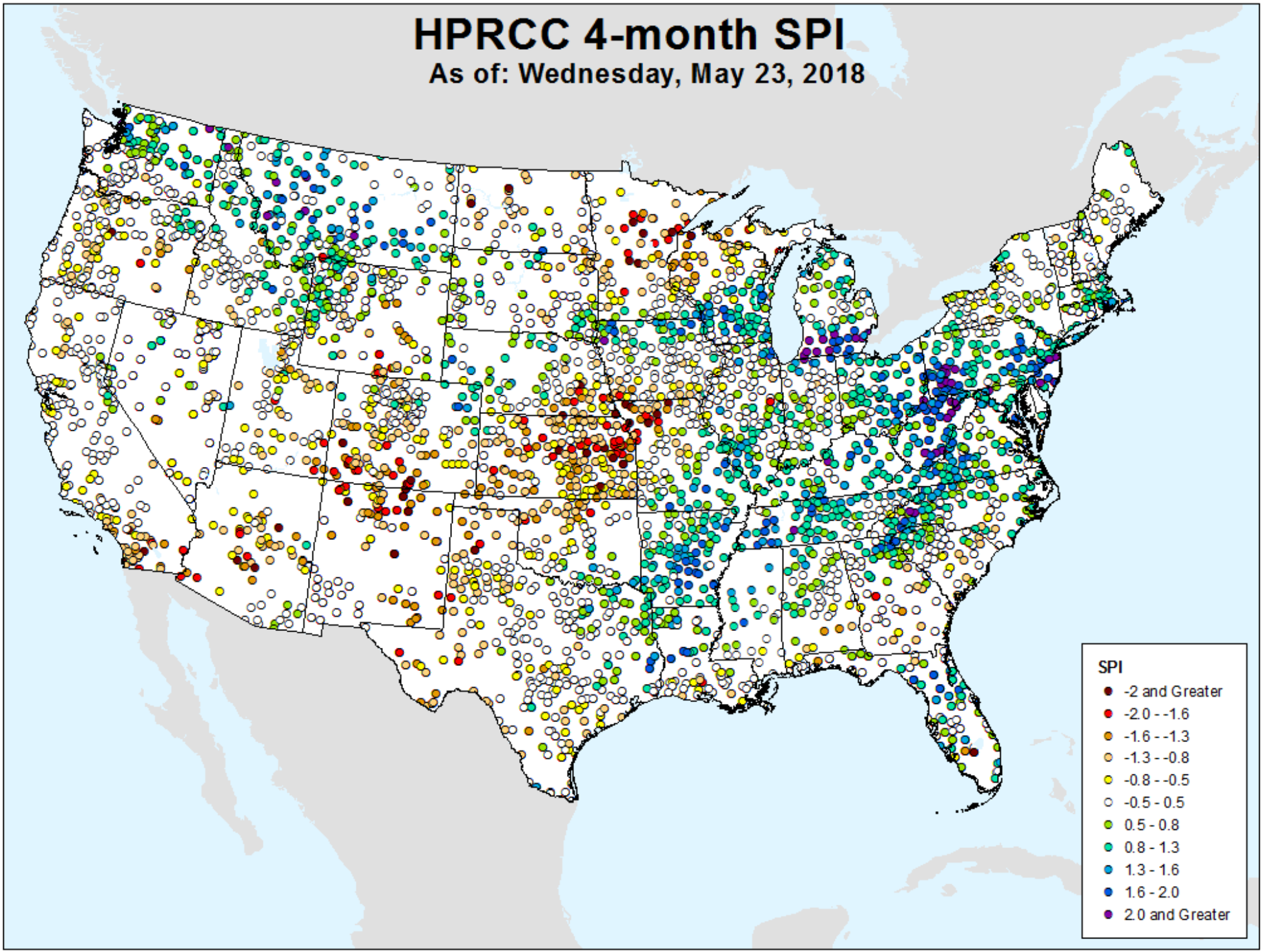
HPRCC 4-month SPI

As of: Wednesday, May 23, 2018



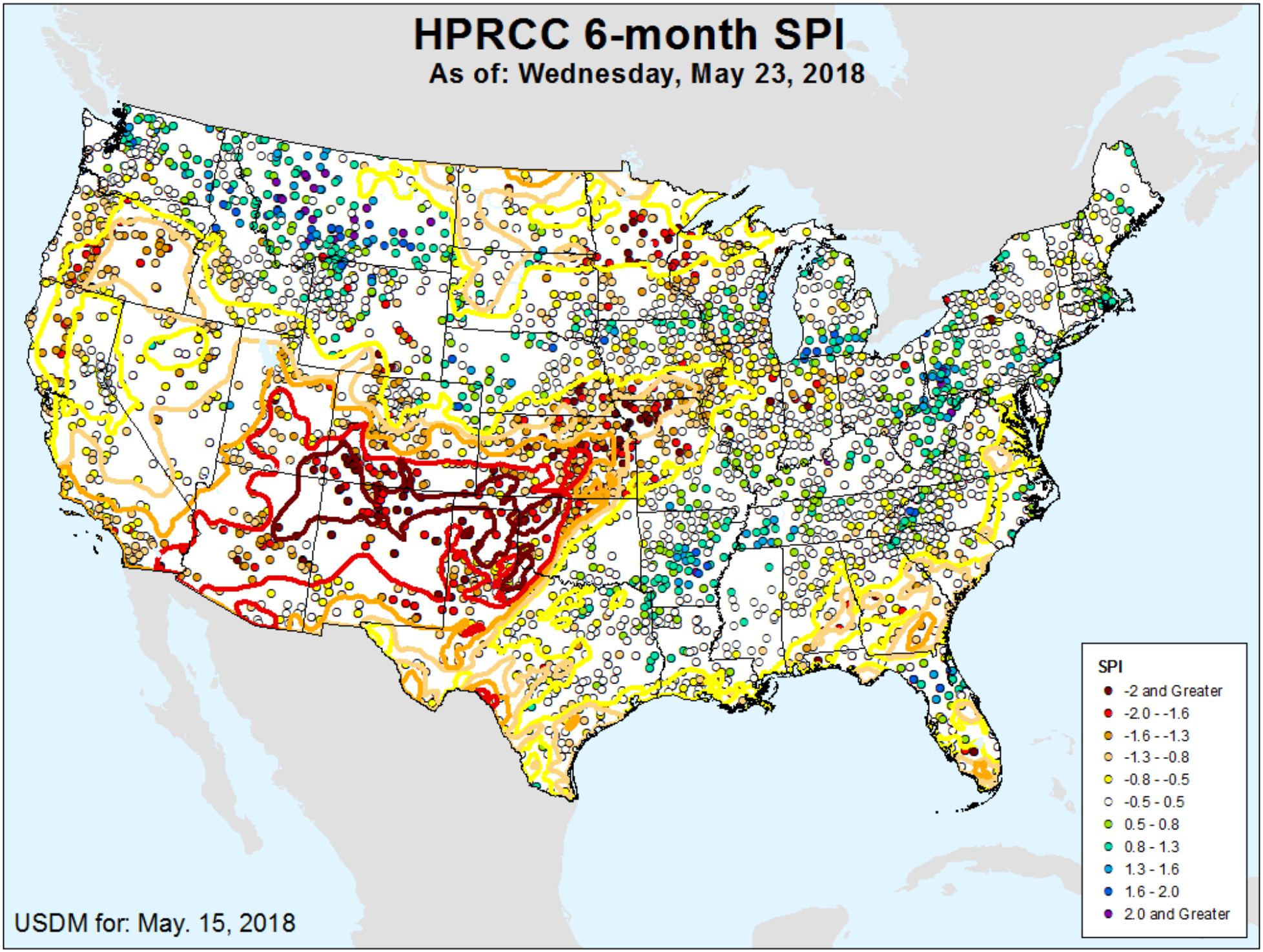
HPRCC 4-month SPI

As of: Wednesday, May 23, 2018



HPRCC 6-month SPI

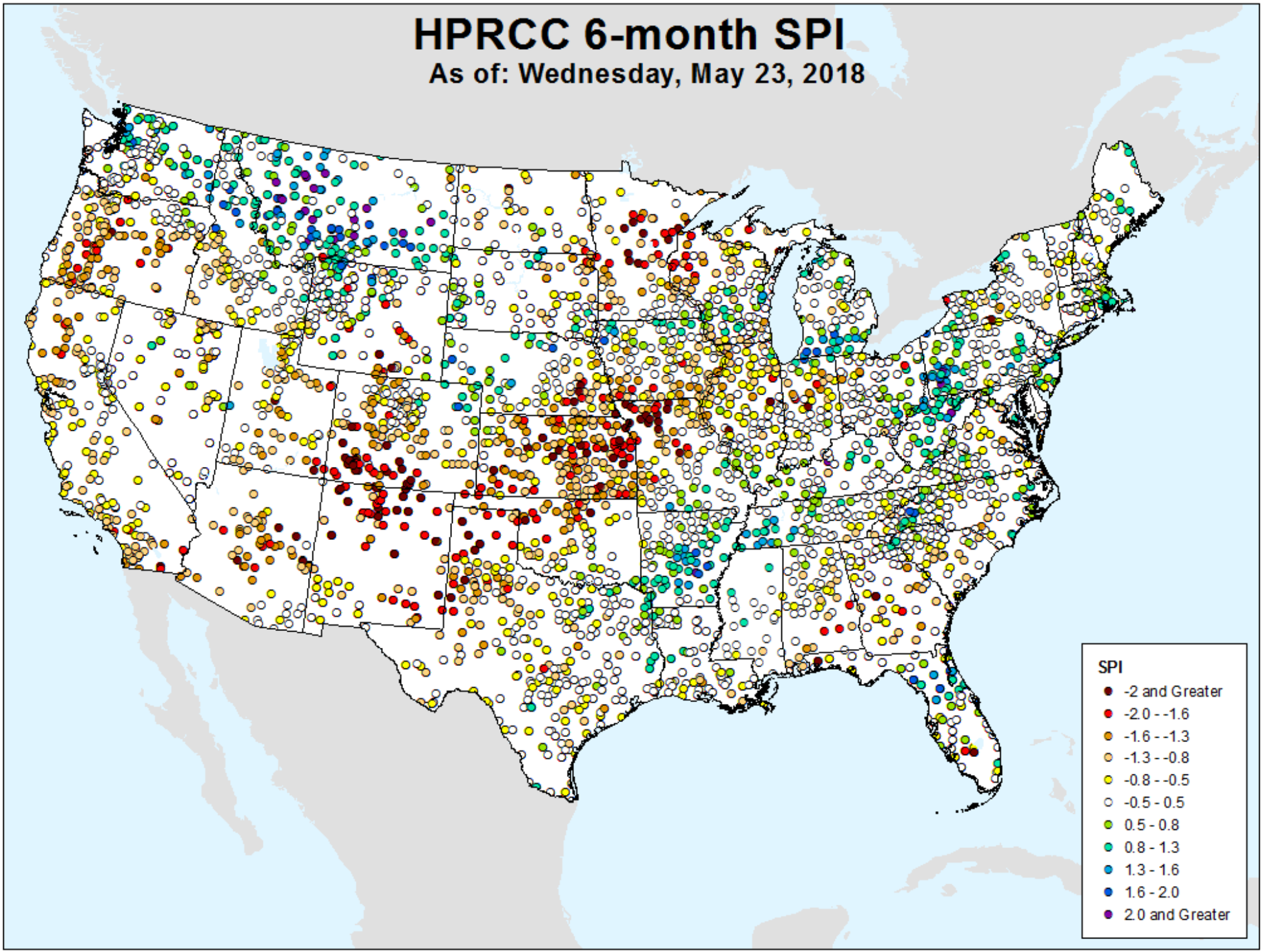
As of: Wednesday, May 23, 2018



USDM for: May. 15, 2018

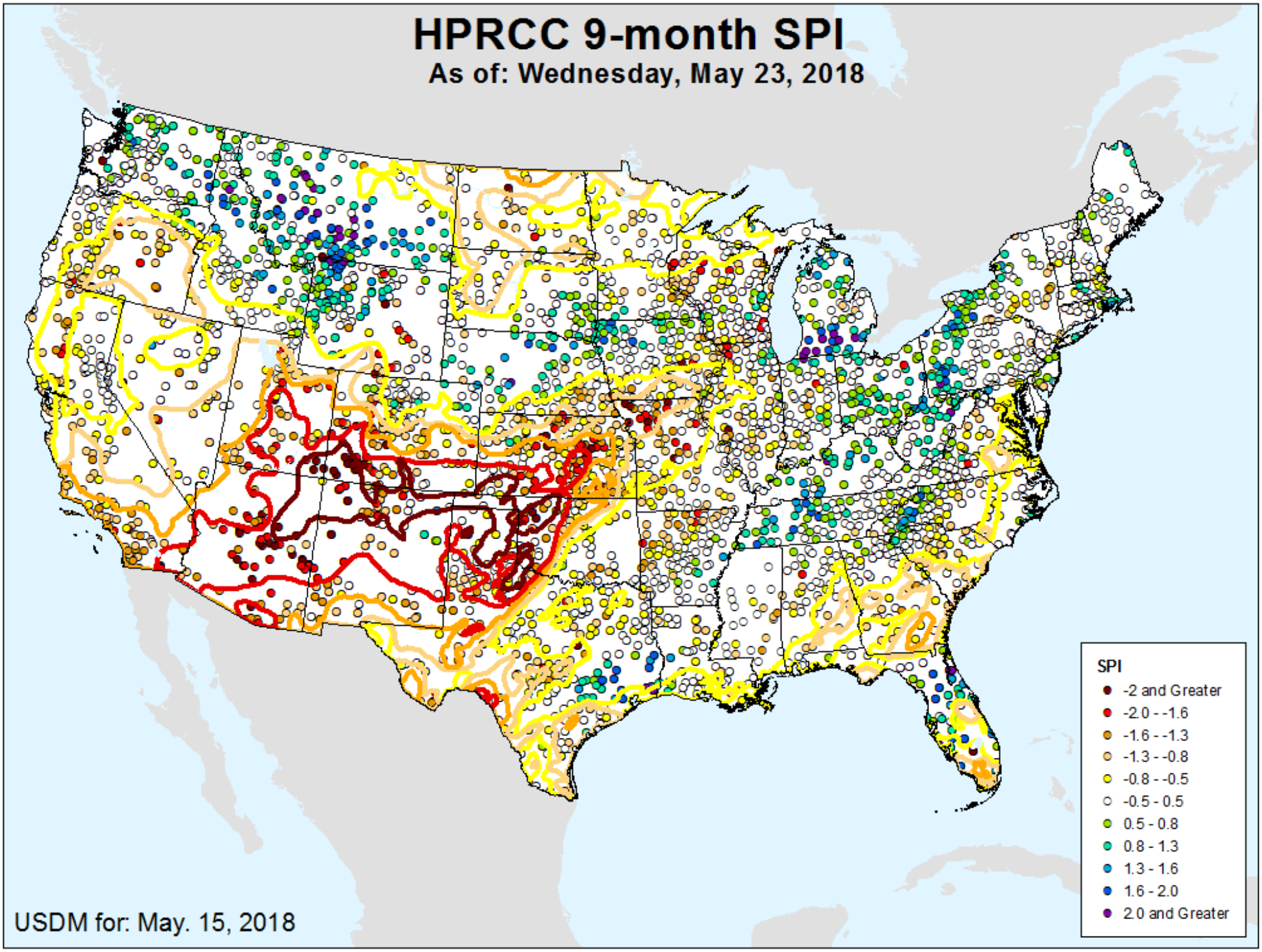
HPRCC 6-month SPI

As of: Wednesday, May 23, 2018



HPRCC 9-month SPI

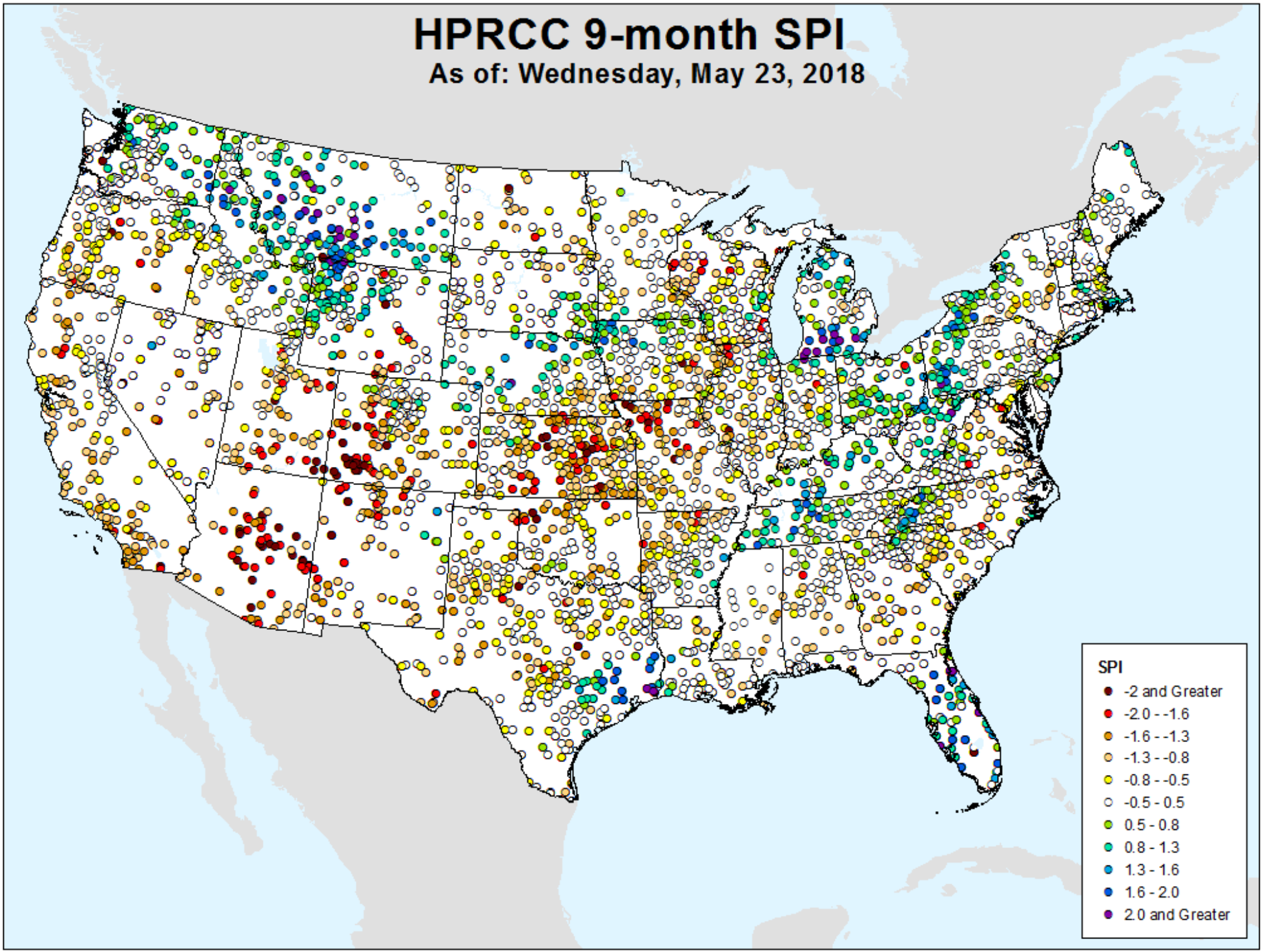
As of: Wednesday, May 23, 2018



USDM for: May. 15, 2018

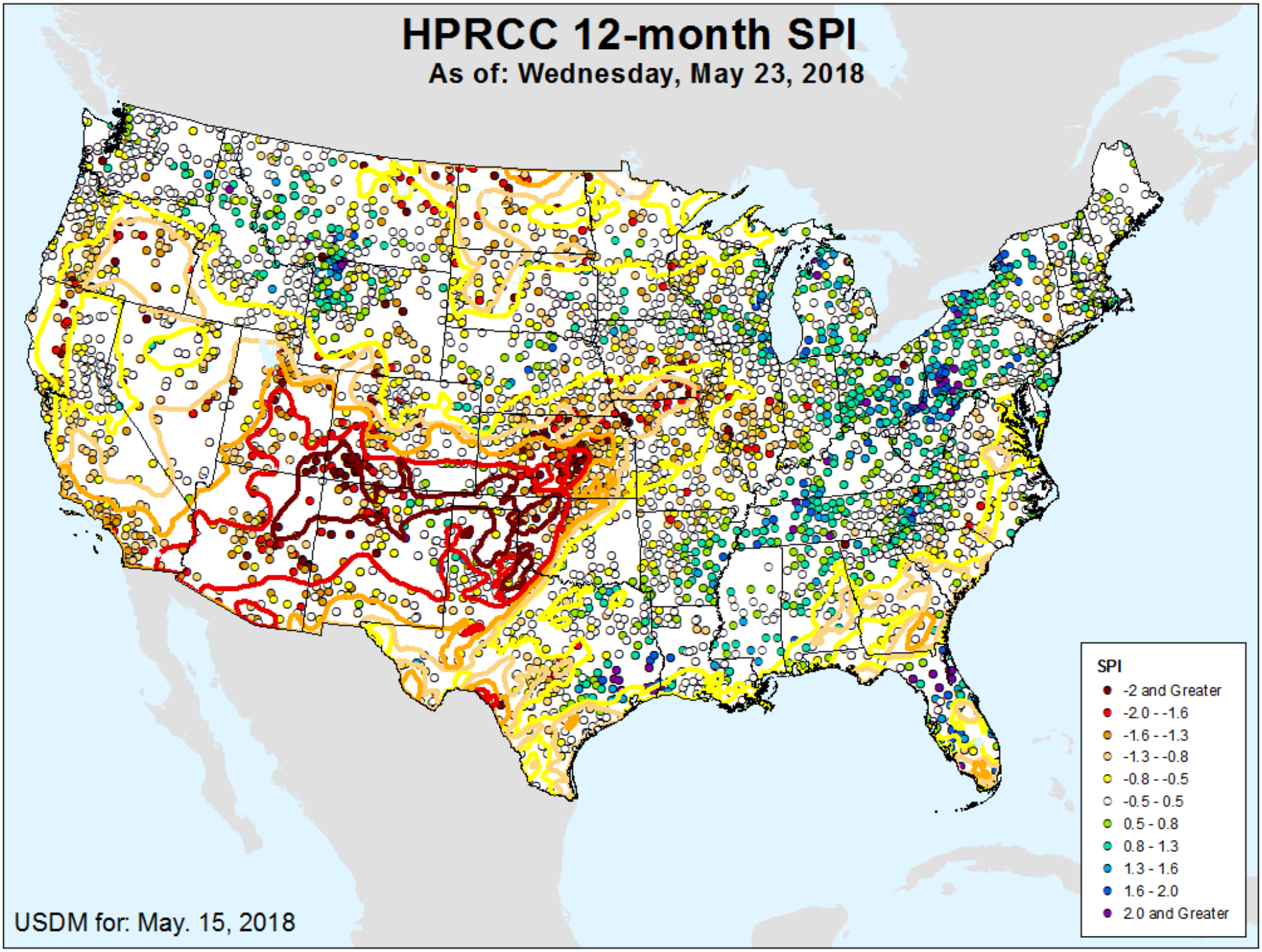
HPRCC 9-month SPI

As of: Wednesday, May 23, 2018



HPRCC 12-month SPI

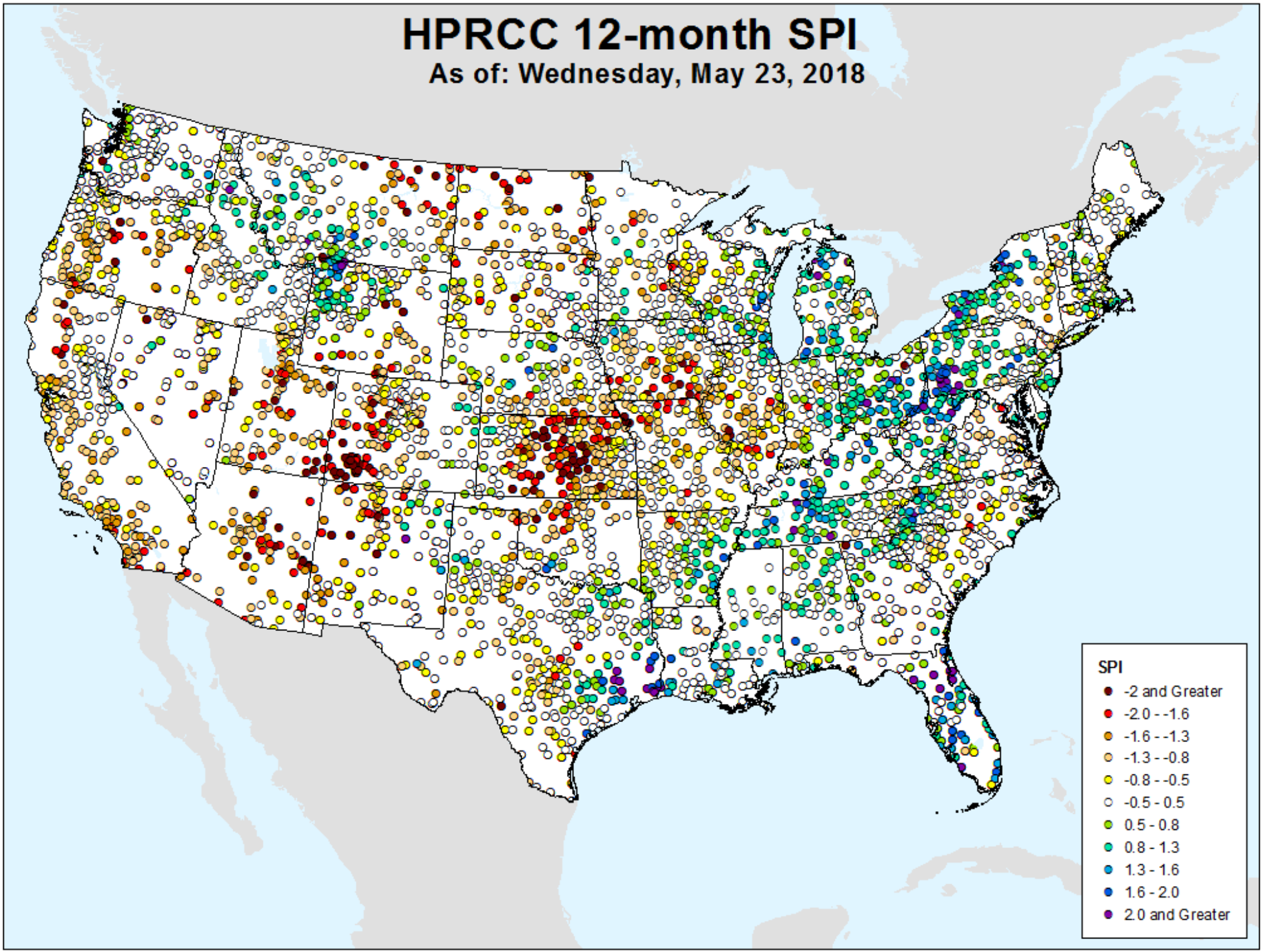
As of: Wednesday, May 23, 2018



USDM for: May. 15, 2018

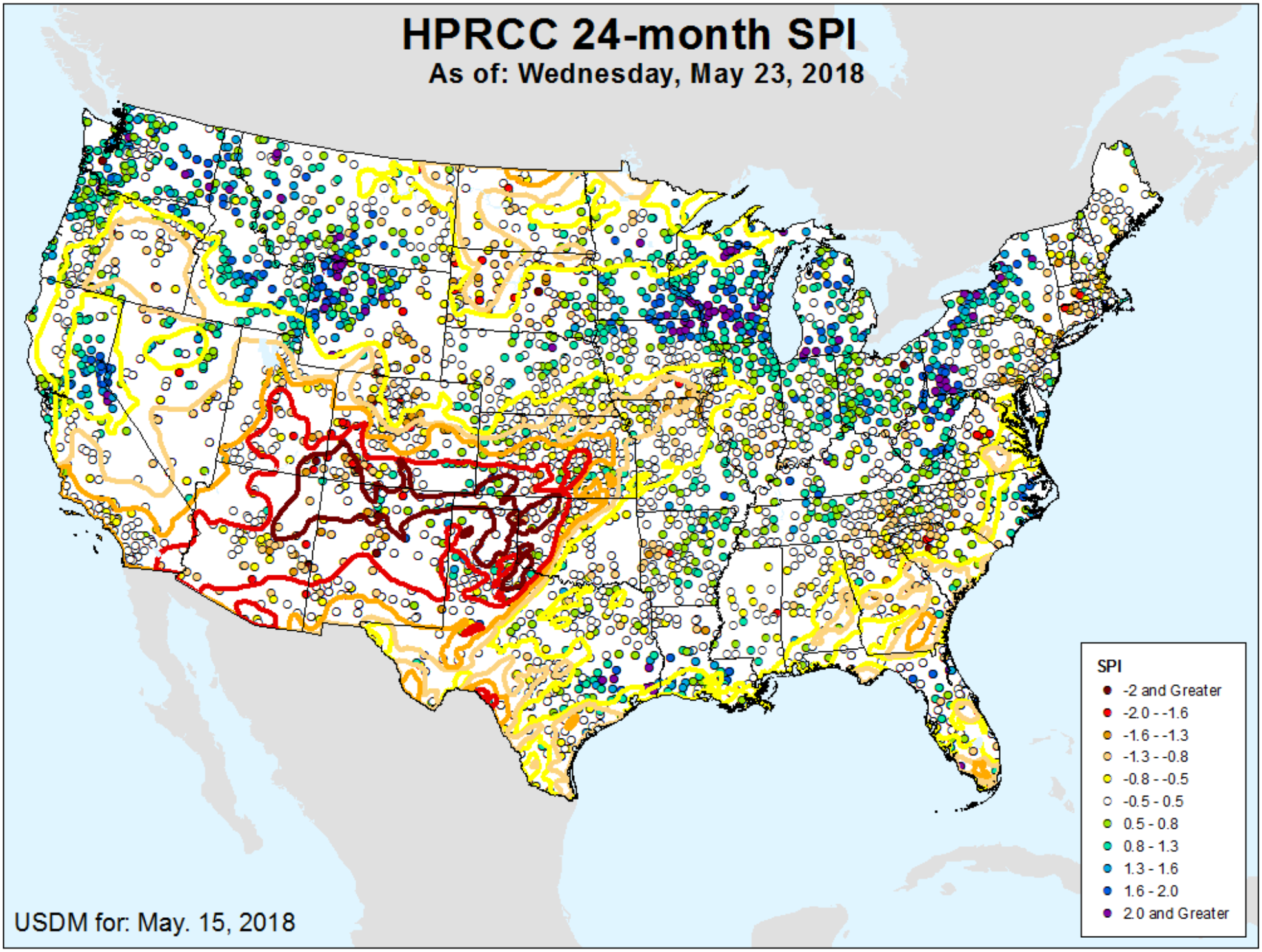
HPRCC 12-month SPI

As of: Wednesday, May 23, 2018



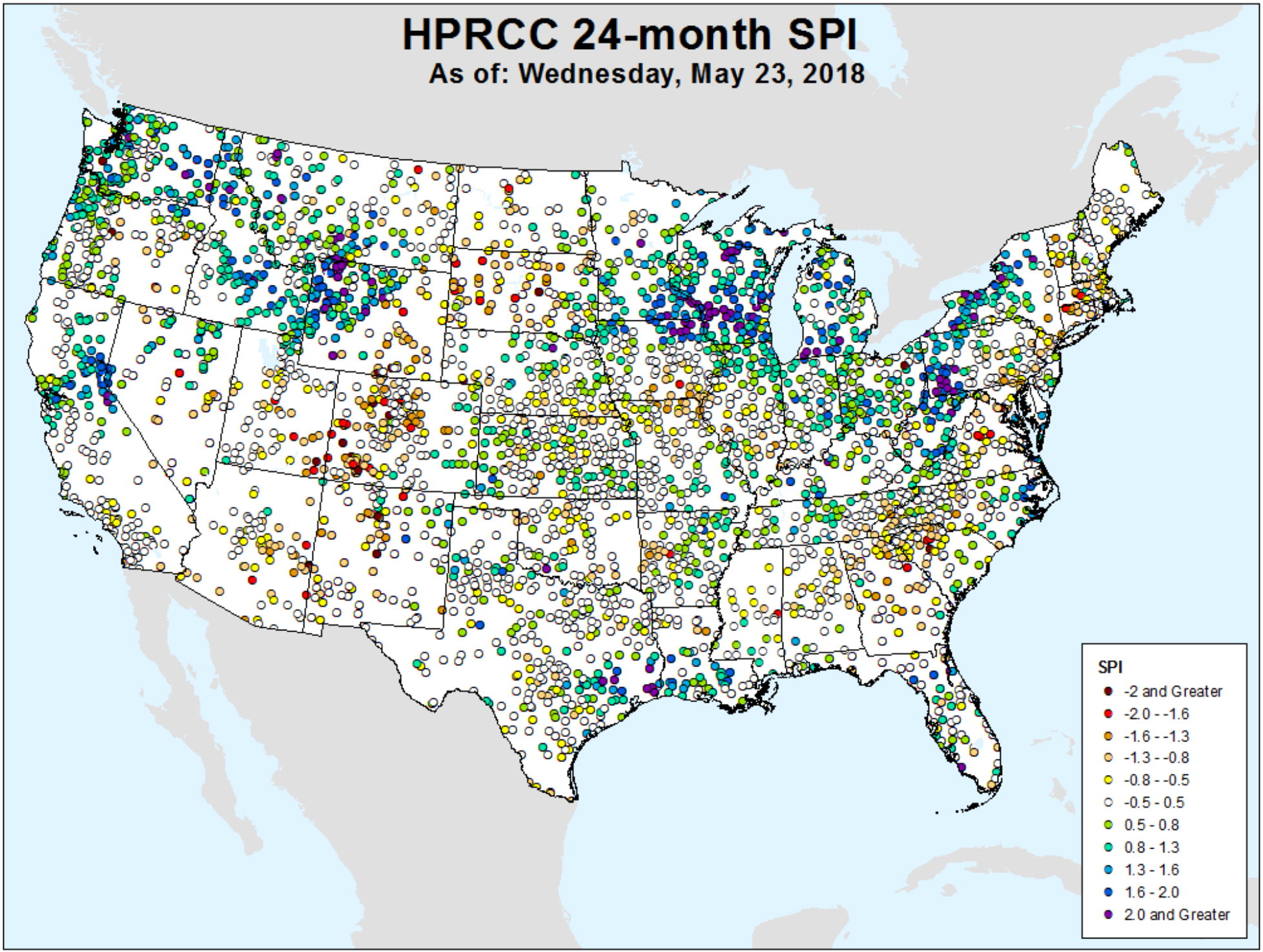
HPRCC 24-month SPI

As of: Wednesday, May 23, 2018



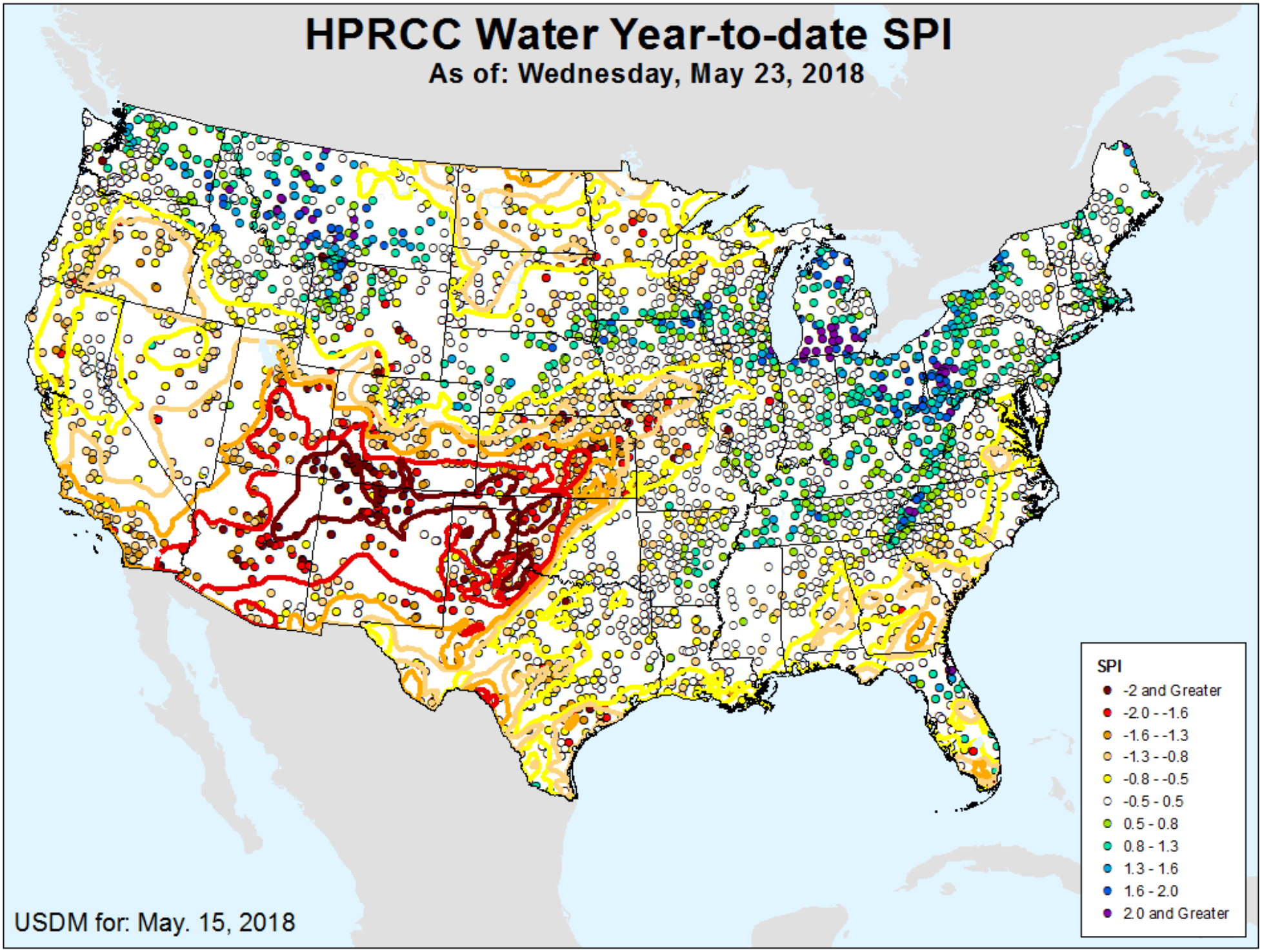
HPRCC 24-month SPI

As of: Wednesday, May 23, 2018



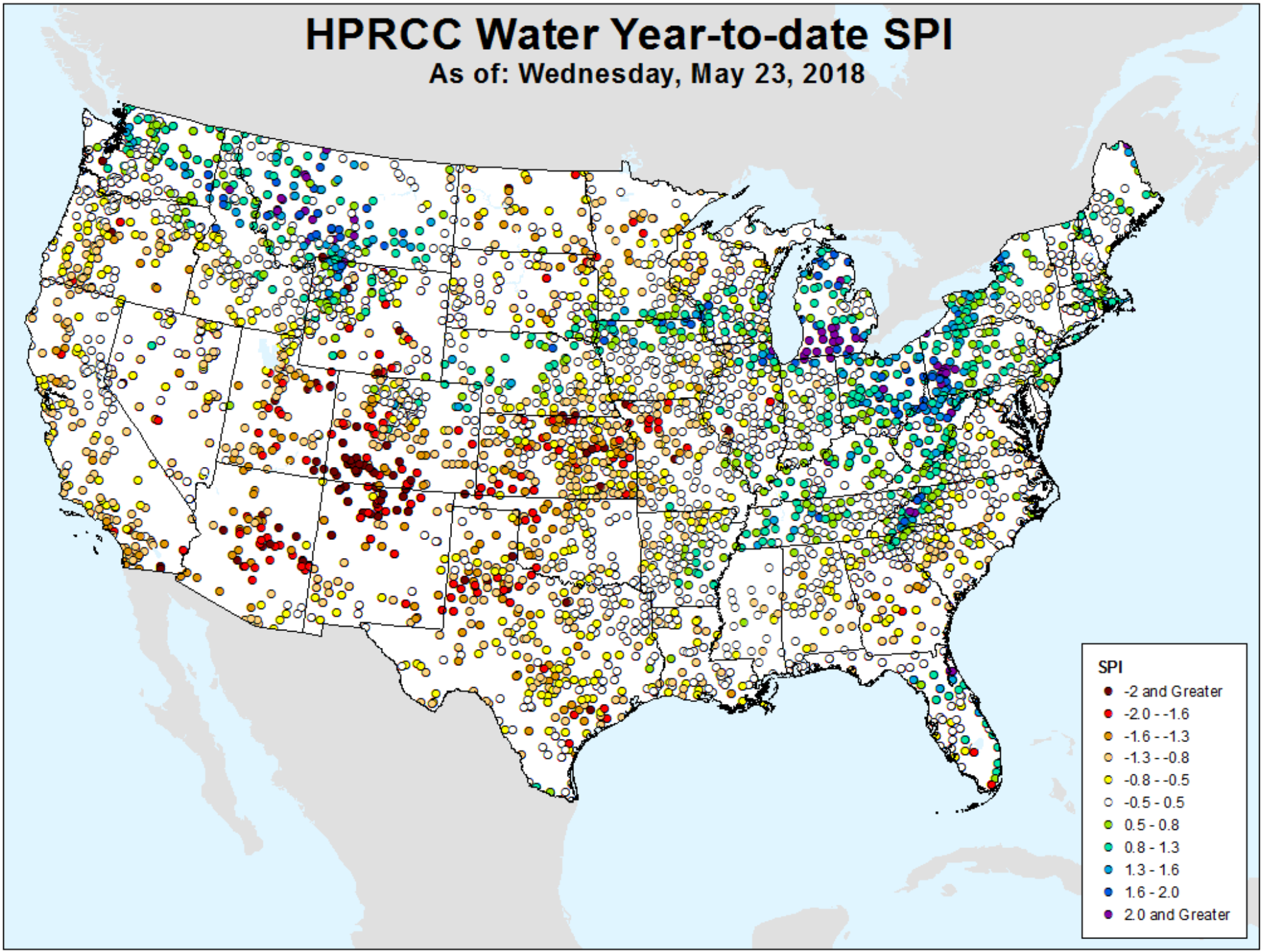
HPRCC Water Year-to-date SPI

As of: Wednesday, May 23, 2018



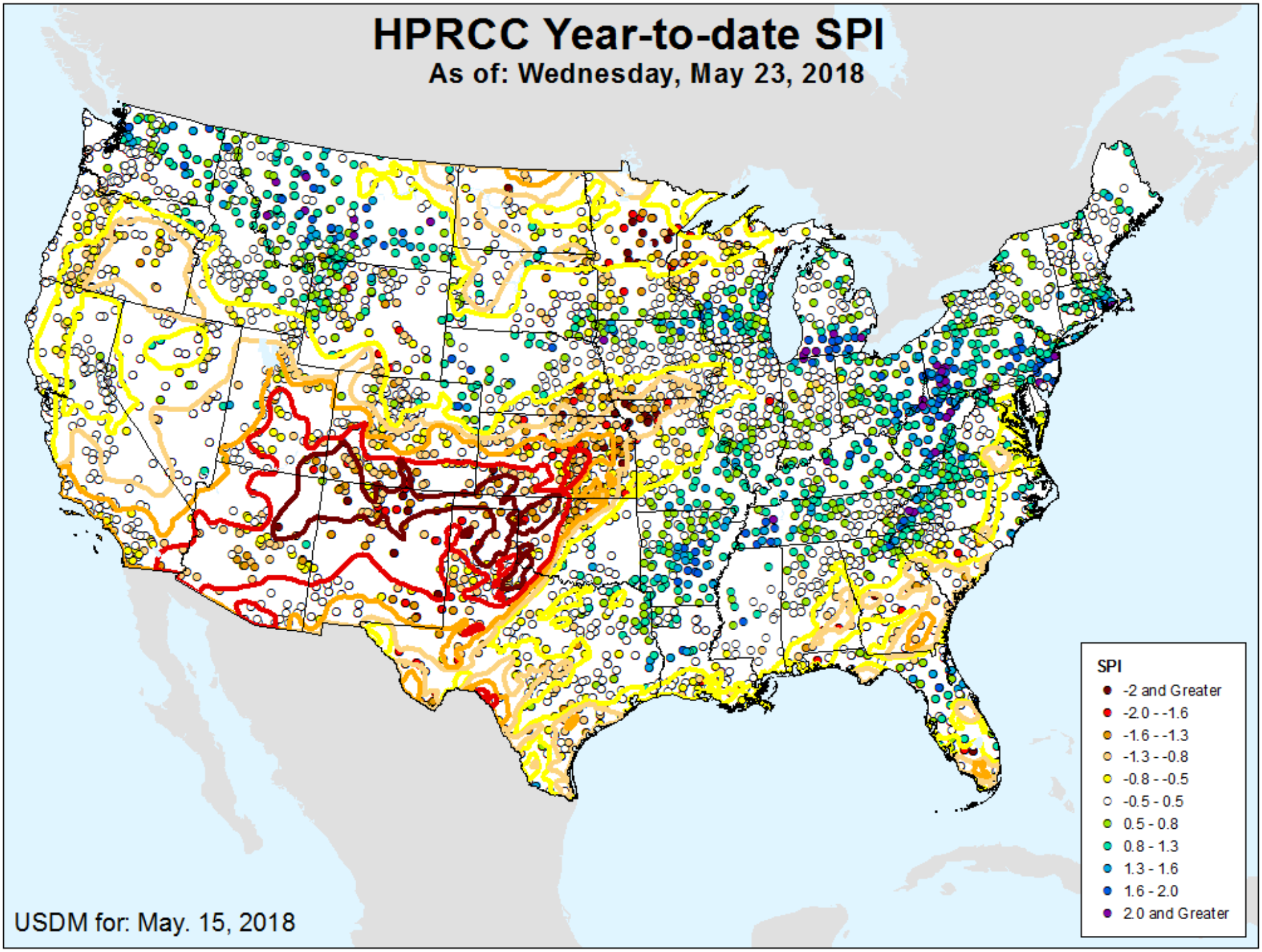
HPRCC Water Year-to-date SPI

As of: Wednesday, May 23, 2018



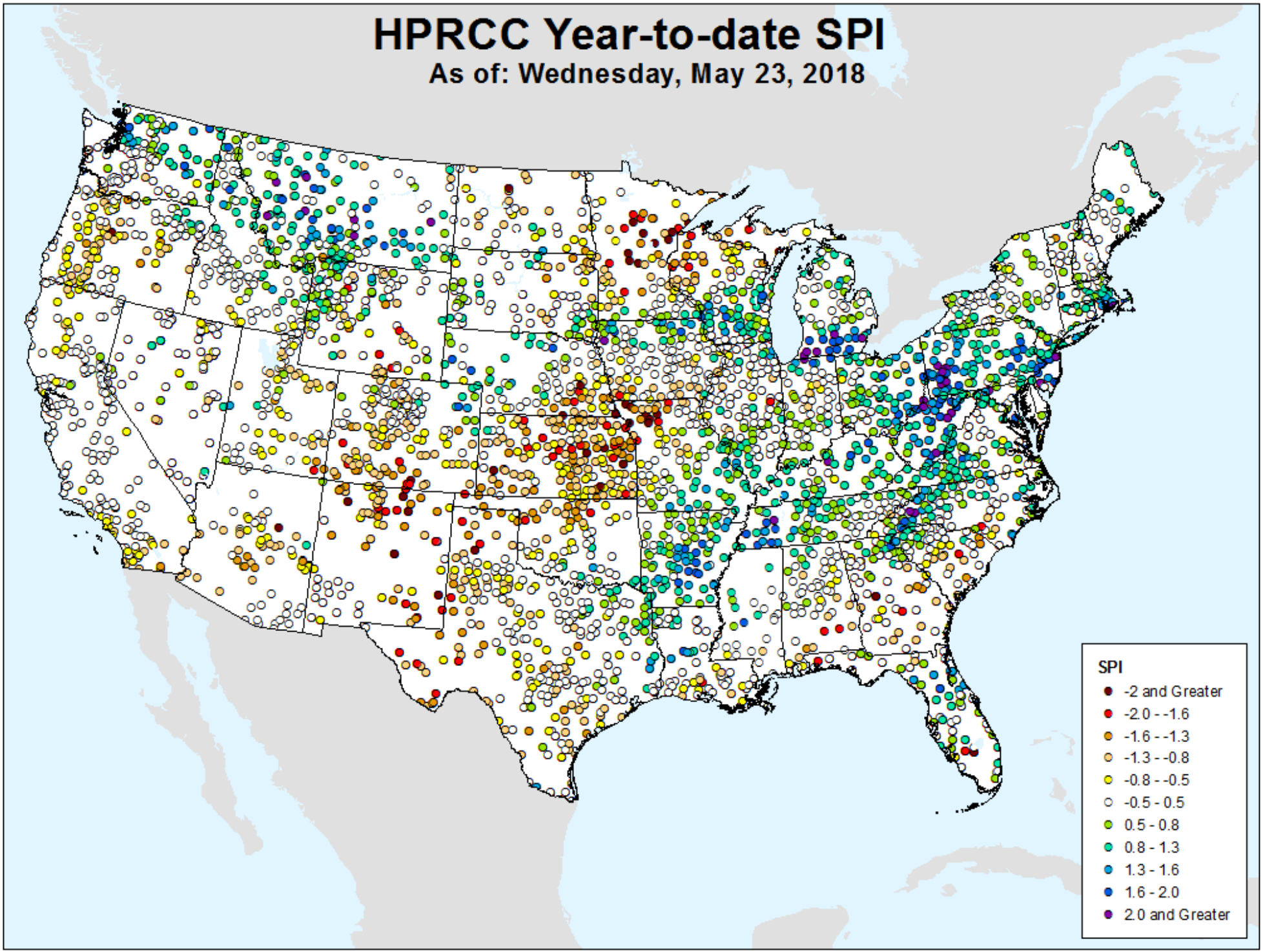
HPRCC Year-to-date SPI

As of: Wednesday, May 23, 2018



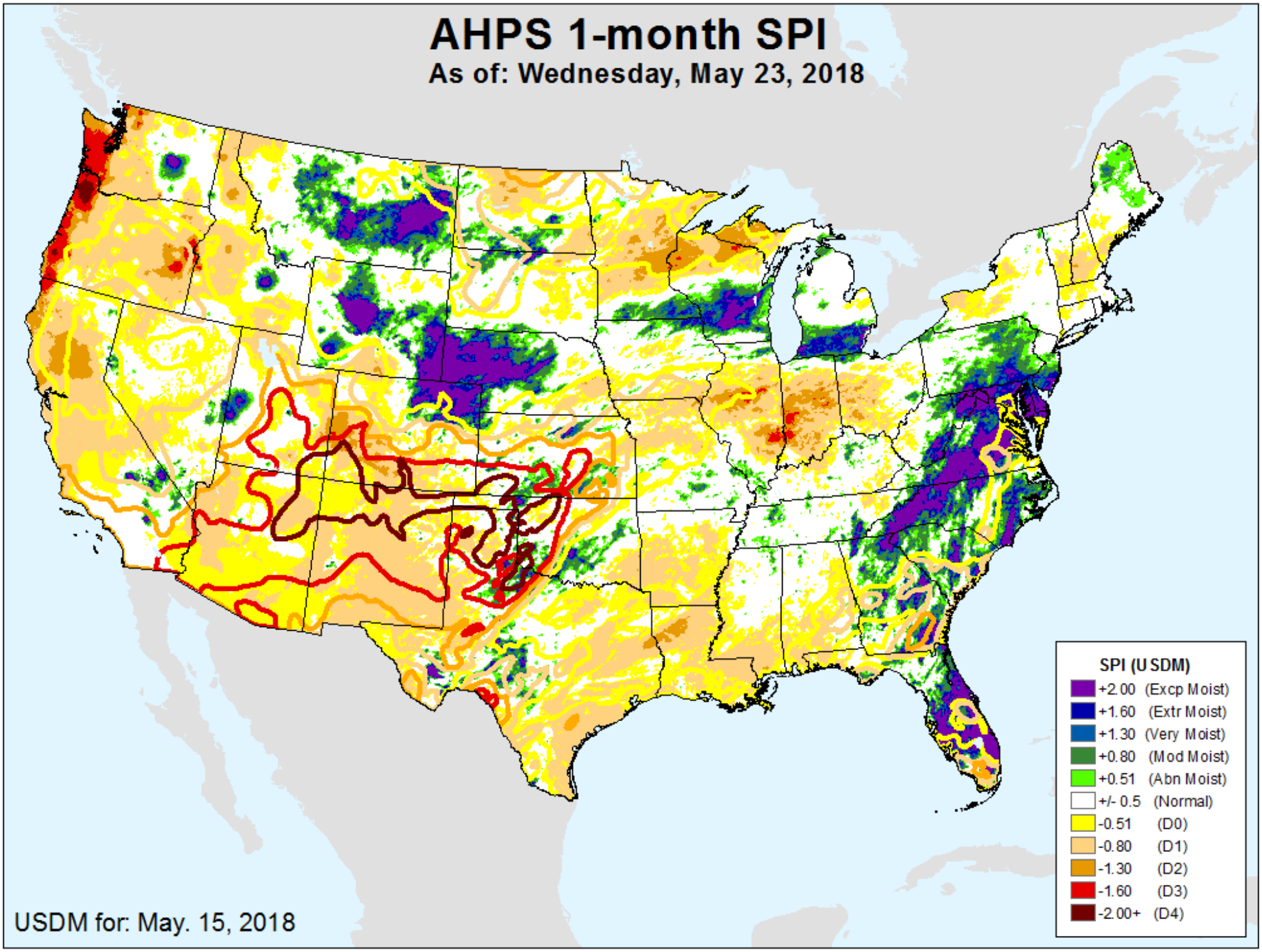
HPRCC Year-to-date SPI

As of: Wednesday, May 23, 2018



AHPS 1-month SPI

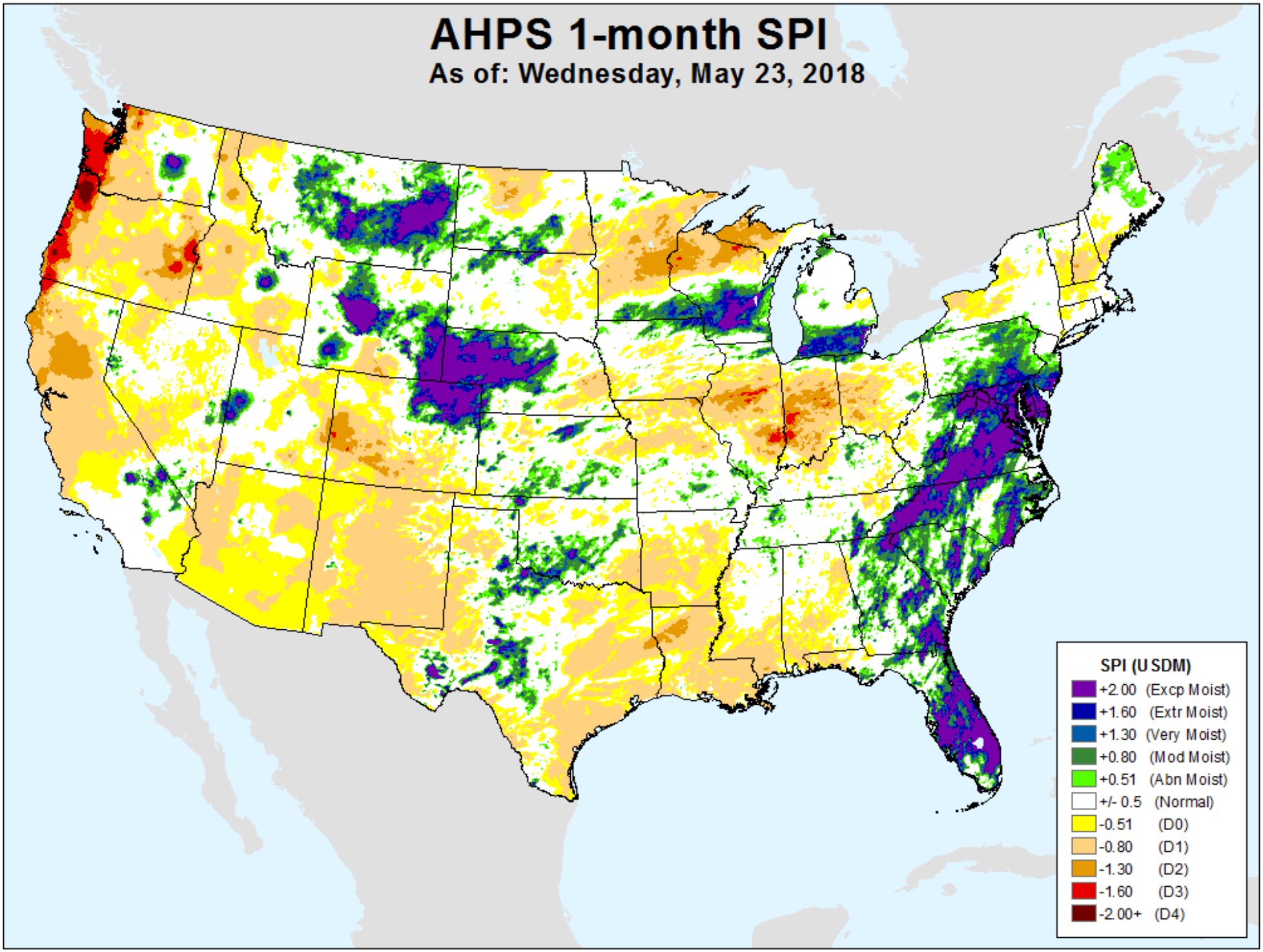
As of: Wednesday, May 23, 2018

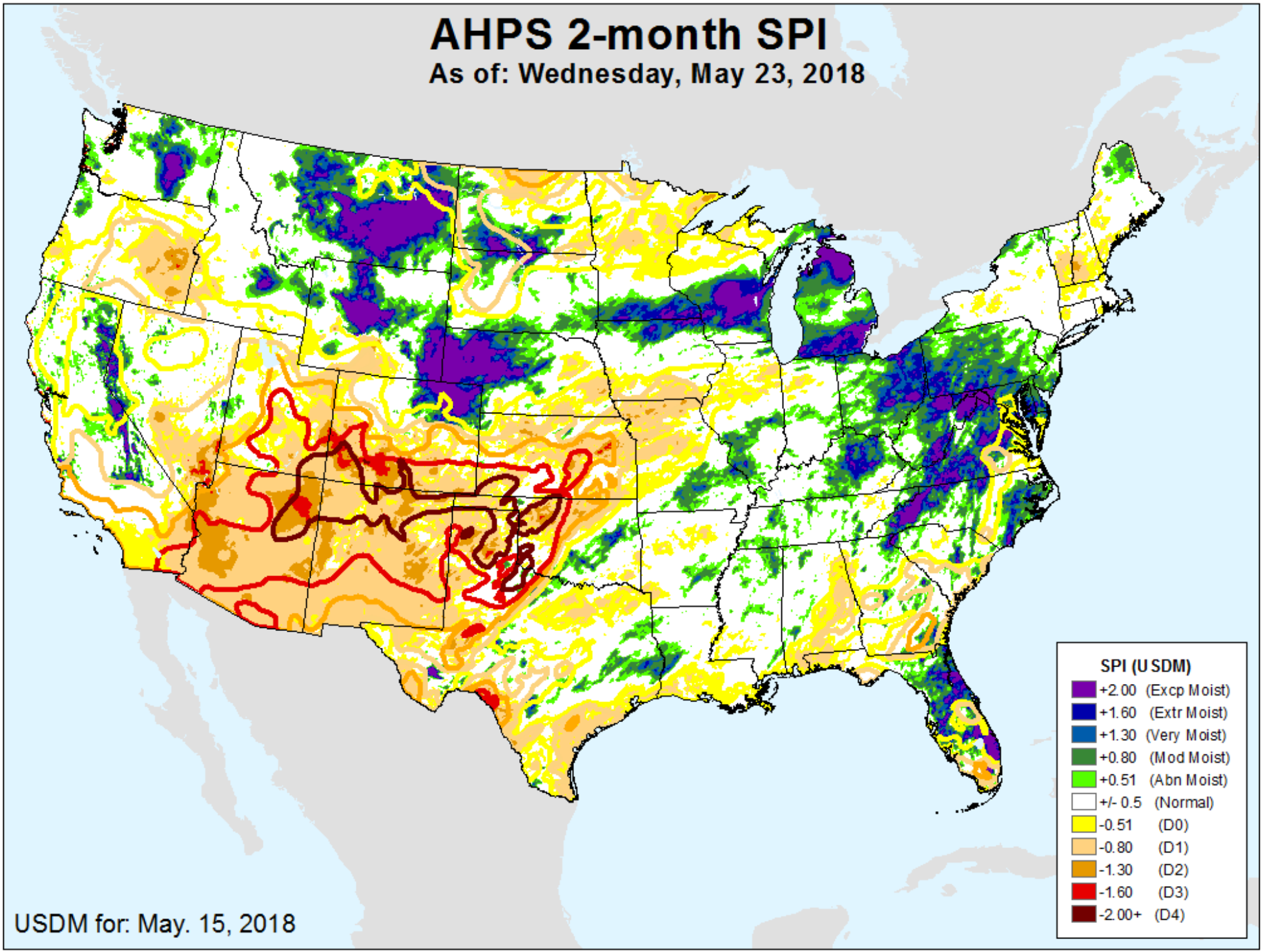


USDM for: May. 15, 2018

AHPS 1-month SPI

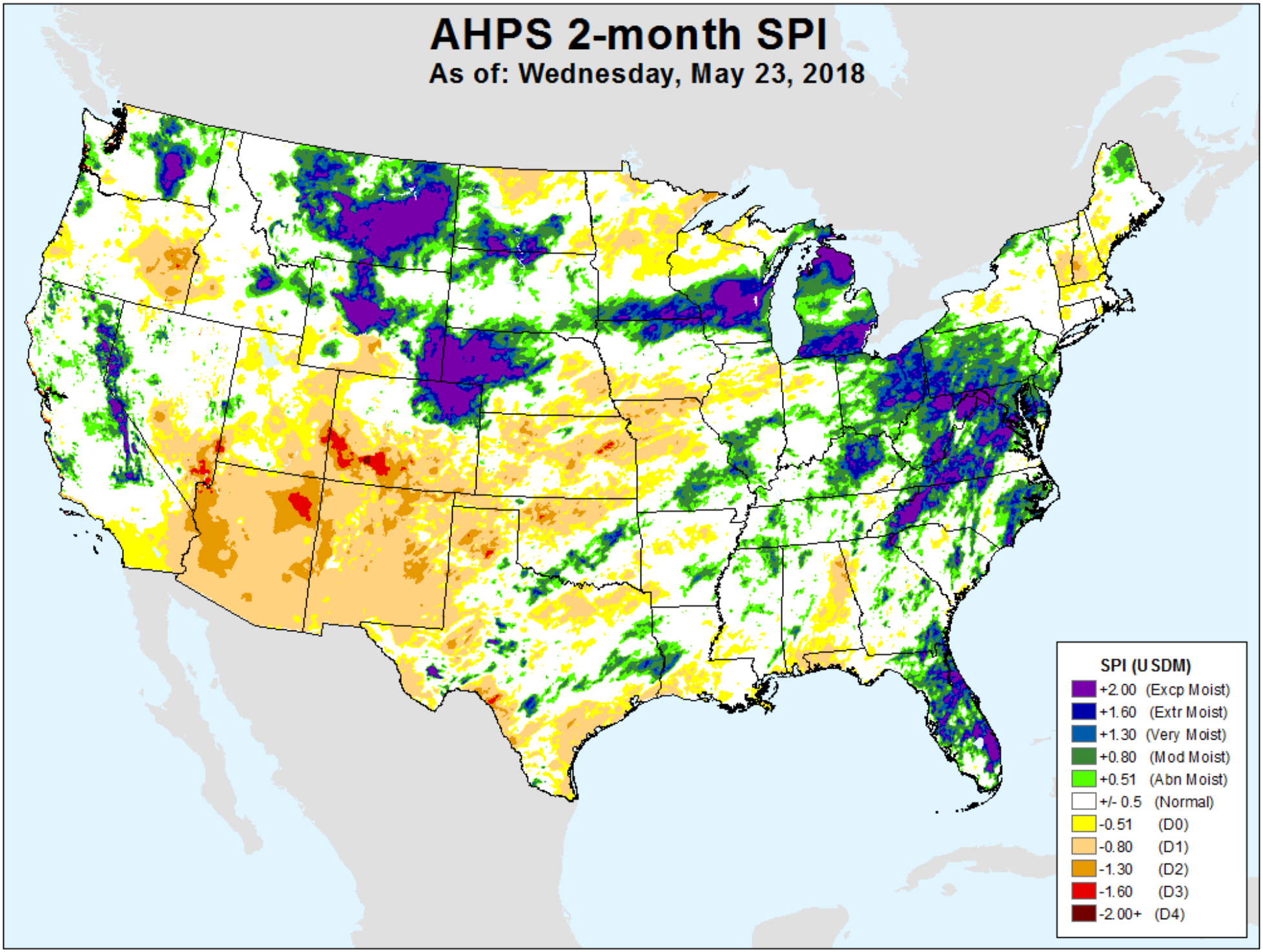
As of: Wednesday, May 23, 2018

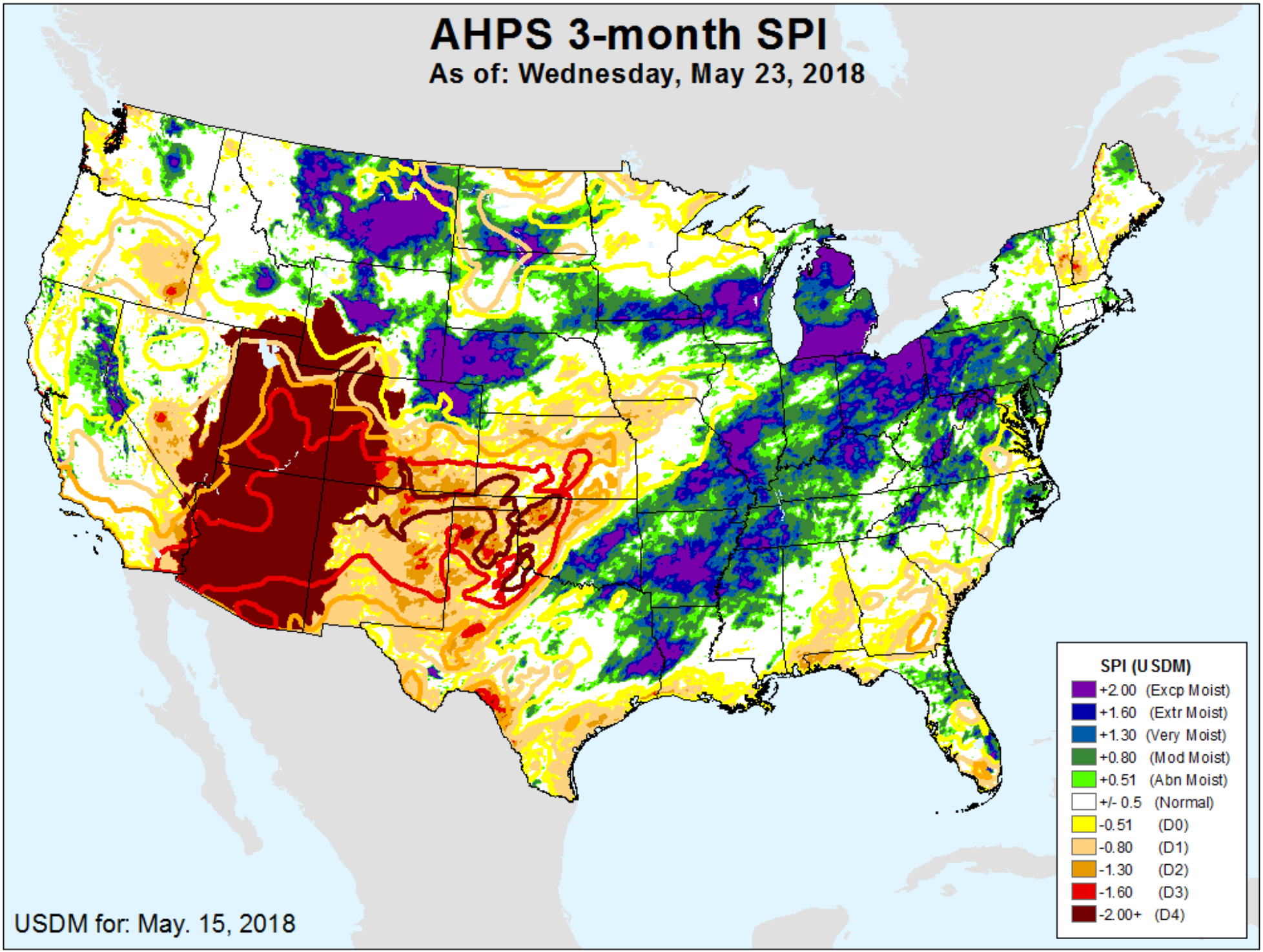



AHPS 2-month SPI
As of: Wednesday, May 23, 2018
SPI (USDM)
+2.00 (Excp Moist)
+1.60 (Extr Moist)
+1.30 (Very Moist)
+0.80 (Mod Moist)
+0.51 (Abn Moist)
+/- 0.5 (Normal)
-0.51 (D0)
-0.80 (D1)
-1.30 (D2)
-1.60 (D3)
-2.00+ (D4)
USDM for: May. 15, 2018

AHPS 2-month SPI

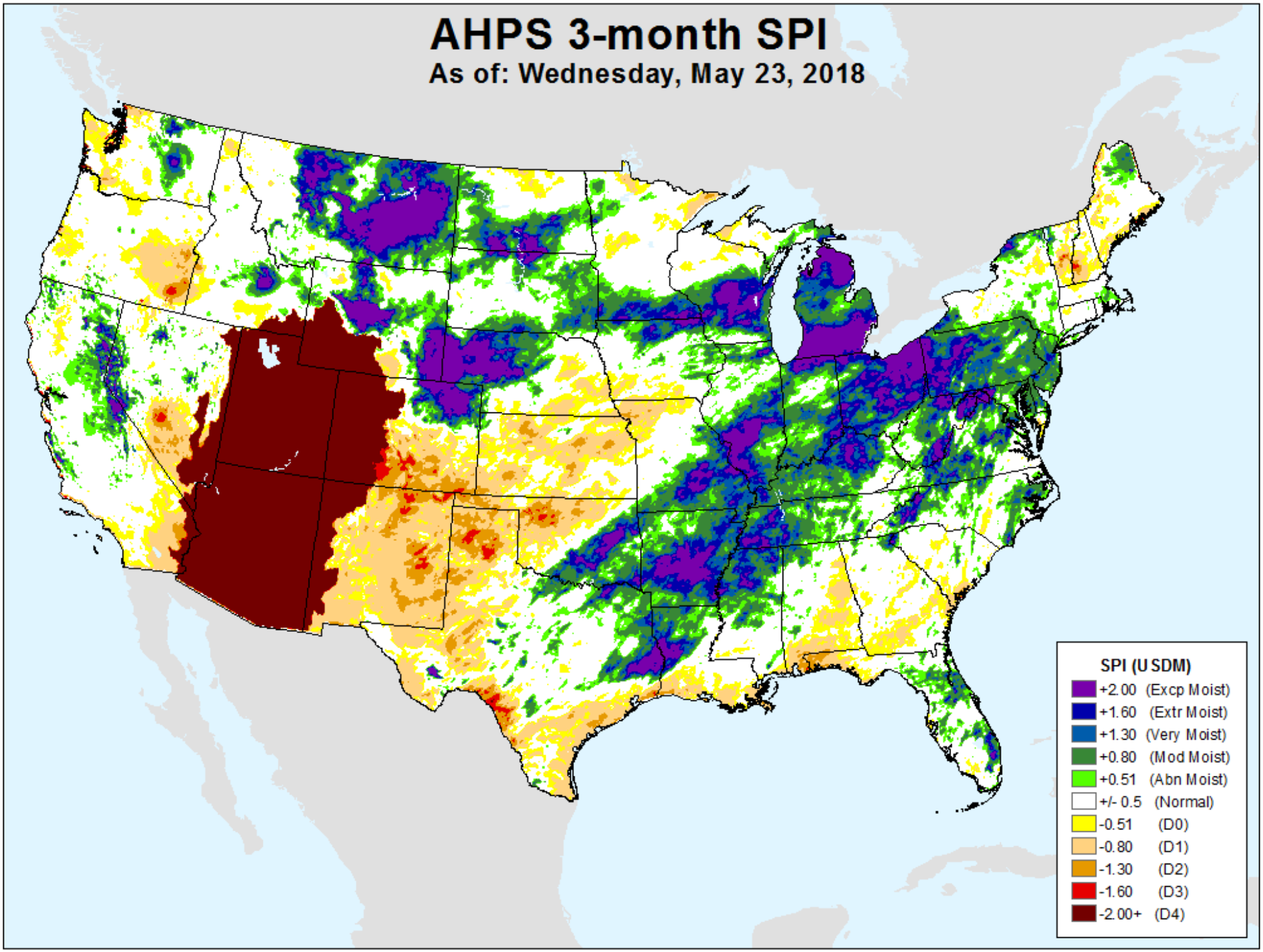
As of: Wednesday, May 23, 2018

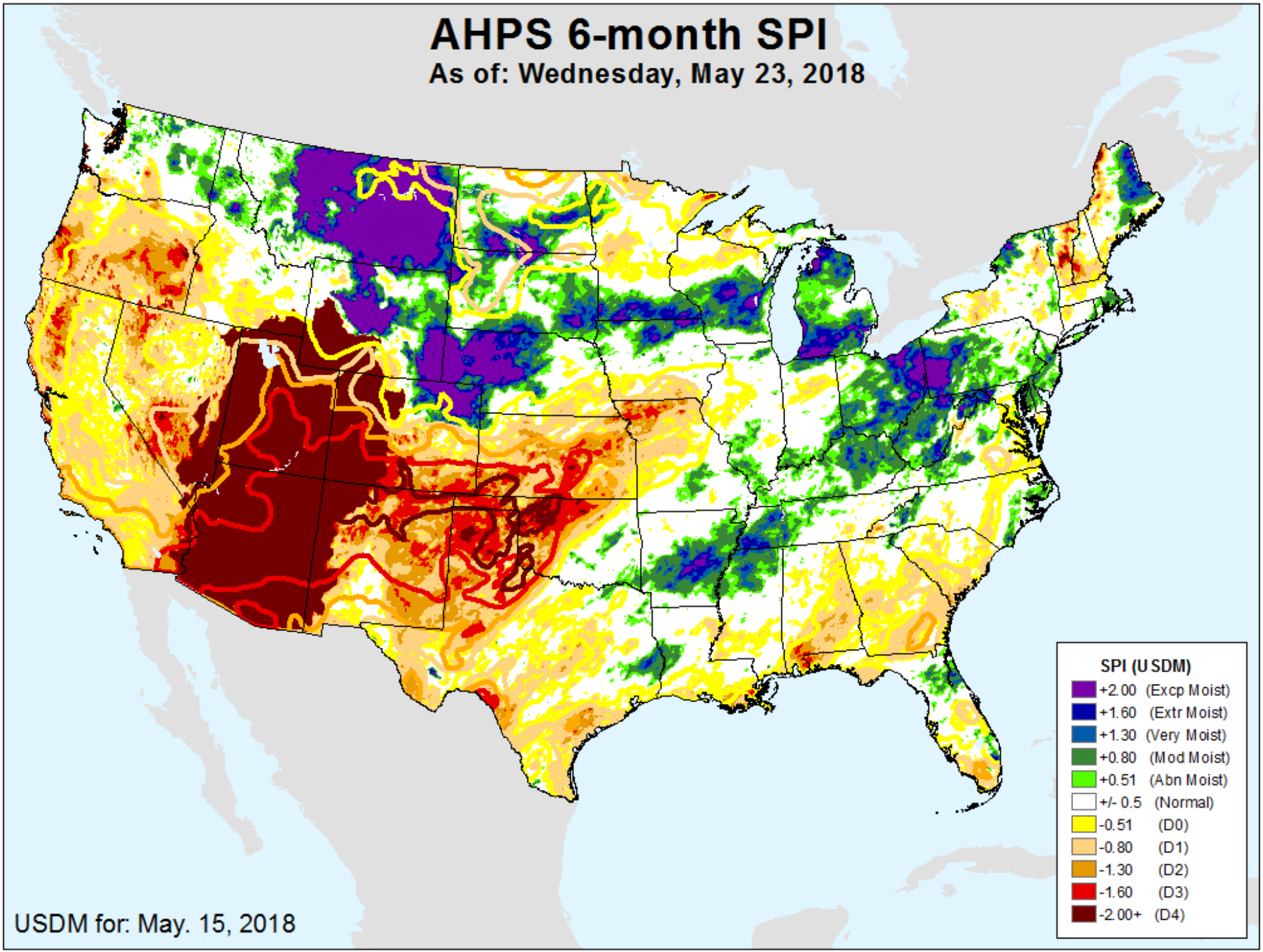



AHPS 3-month SPI
As of: Wednesday, May 23, 2018
SPI (USDM)
+2.00 (Excp Moist)
+1.60 (Extr Moist)
+1.30 (Very Moist)
+0.80 (Mod Moist)
+0.51 (Abn Moist)
+/- 0.5 (Normal)
-0.51 (D0)
-0.80 (D1)
-1.30 (D2)
-1.60 (D3)
-2.00+ (D4)
USDM for: May. 15, 2018

AHPS 3-month SPI

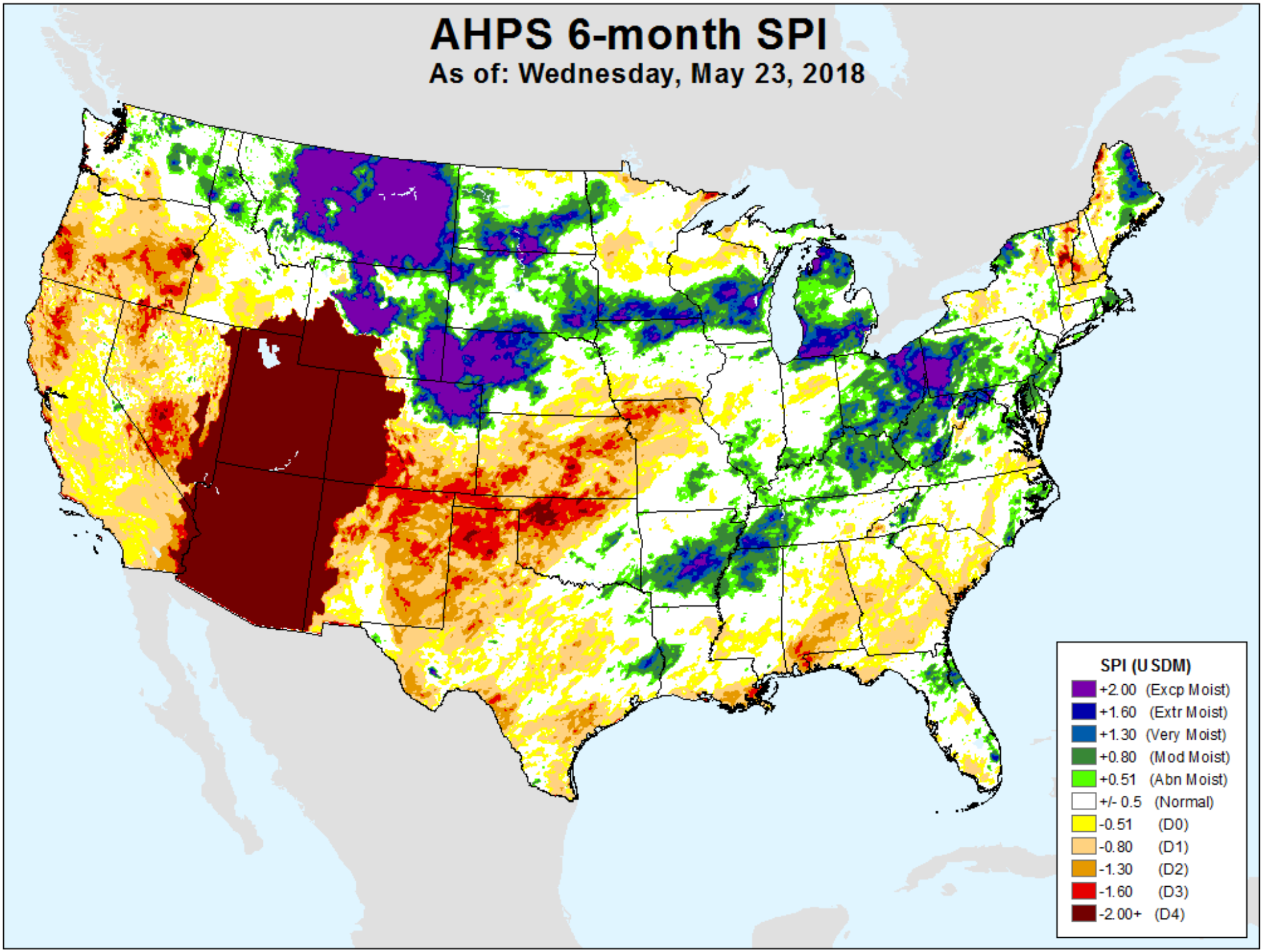
As of: Wednesday, May 23, 2018

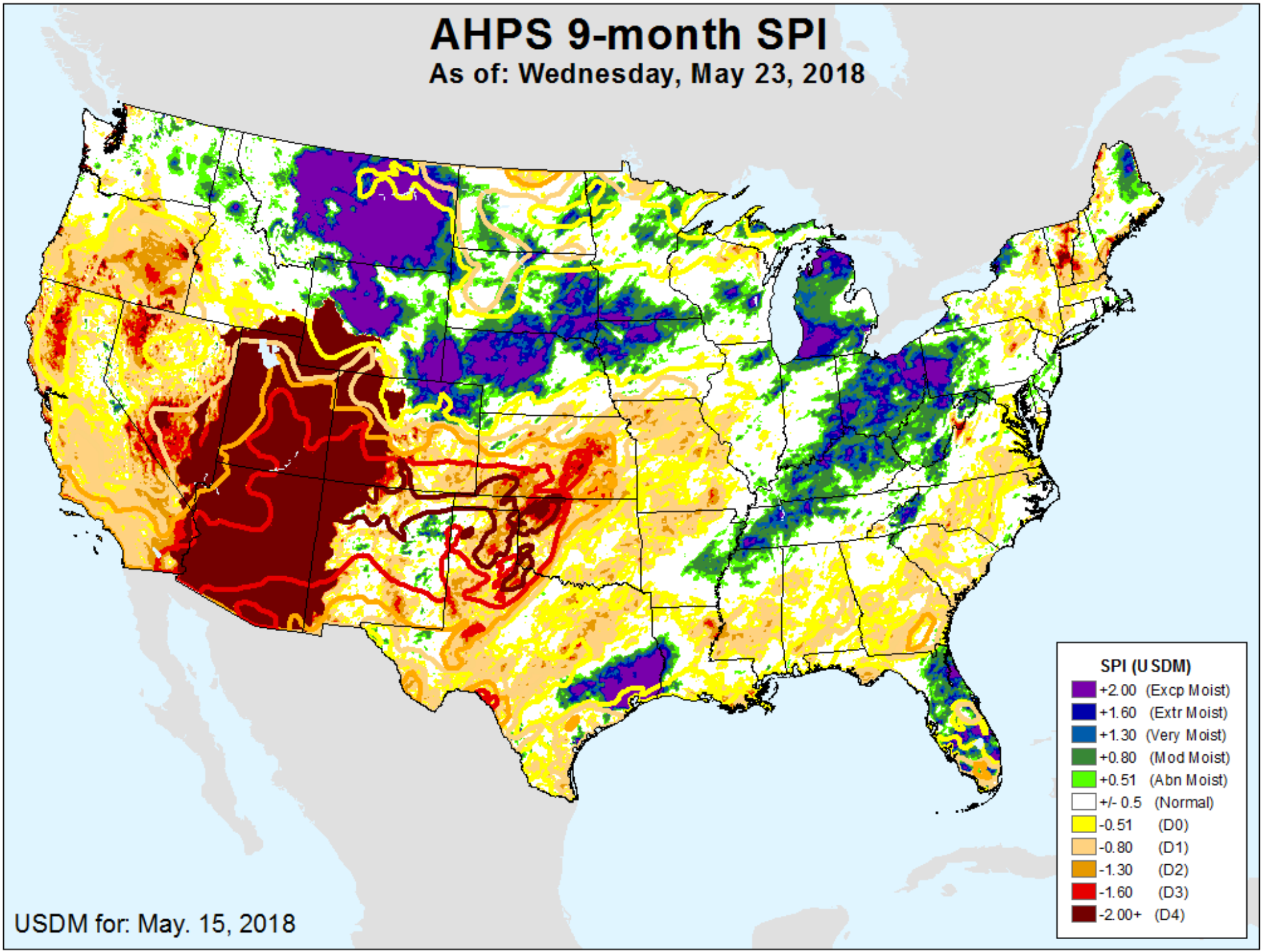



AHPS 6-month SPI
As of: Wednesday, May 23, 2018
SPI (USDM)
+2.00 (Excp Moist)
+1.60 (Extr Moist)
+1.30 (Very Moist)
+0.80 (Mod Moist)
+0.51 (Abn Moist)
+/- 0.5 (Normal)
-0.51 (D0)
-0.80 (D1)
-1.30 (D2)
-1.60 (D3)
-2.00+ (D4)
USDM for: May. 15, 2018

AHPS 6-month SPI

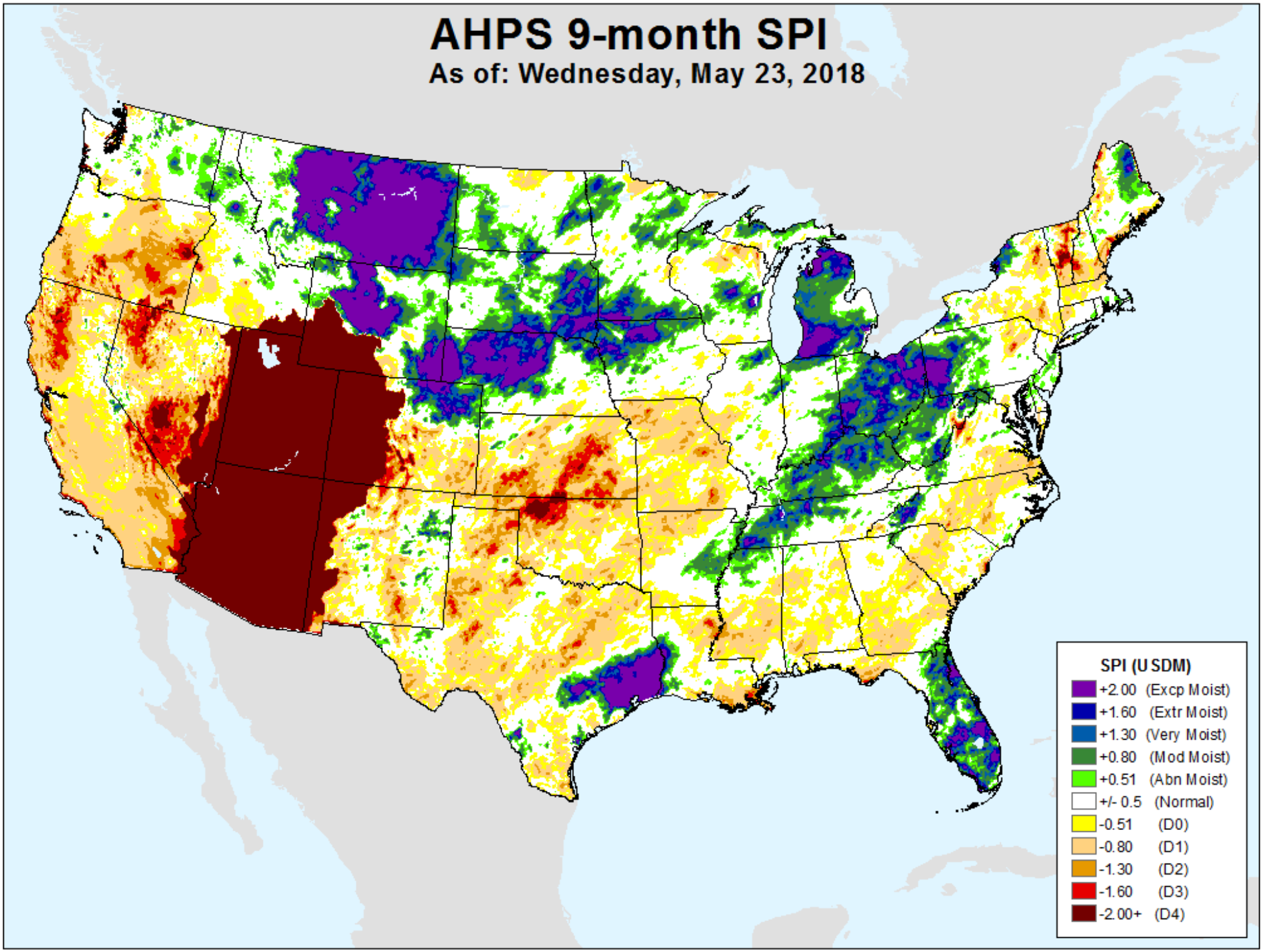
As of: Wednesday, May 23, 2018




AHPS 9-month SPI
As of: Wednesday, May 23, 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: May. 15, 2018

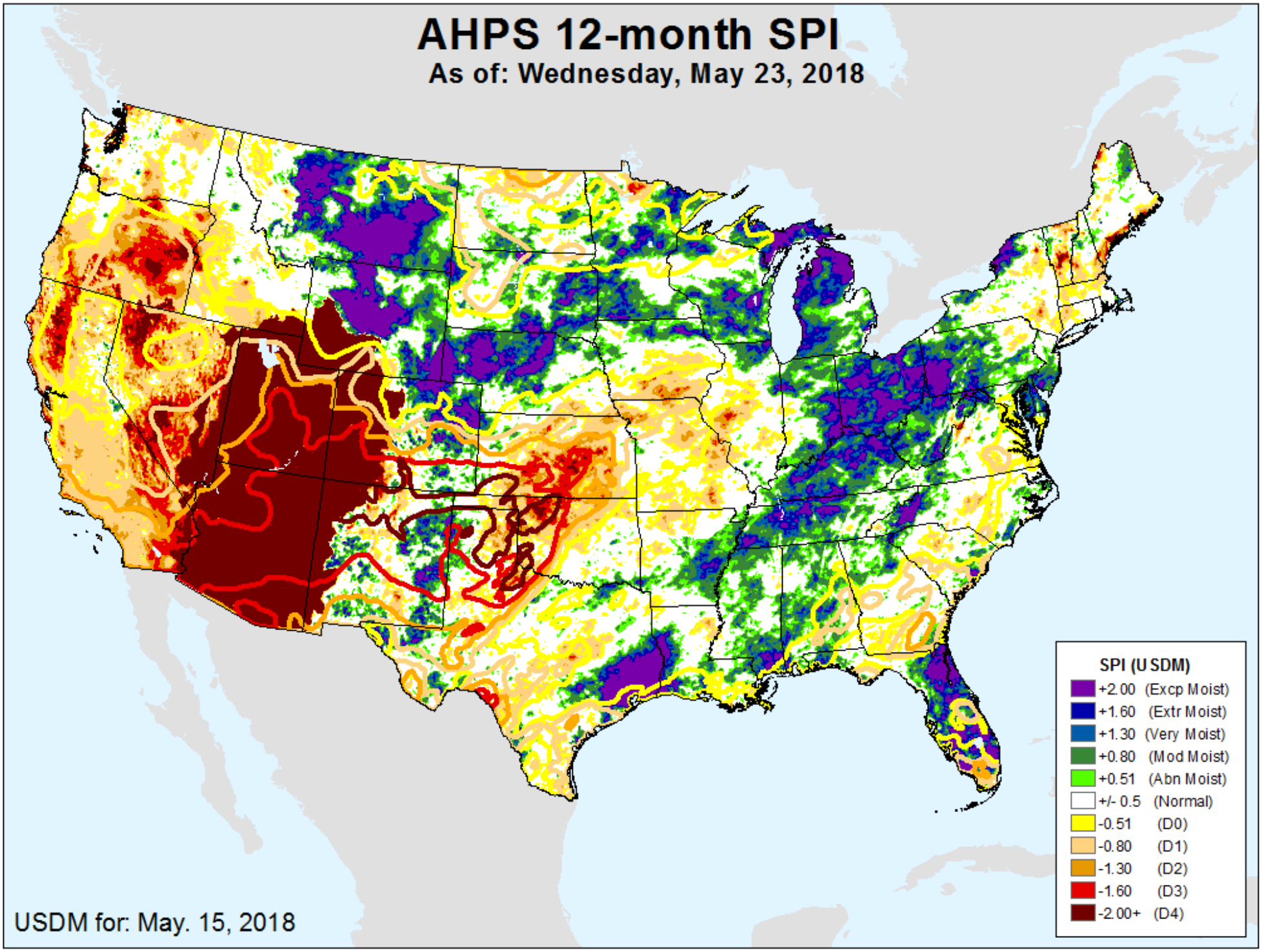
AHPS 9-month SPI

As of: Wednesday, May 23, 2018



AHPS 12-month SPI

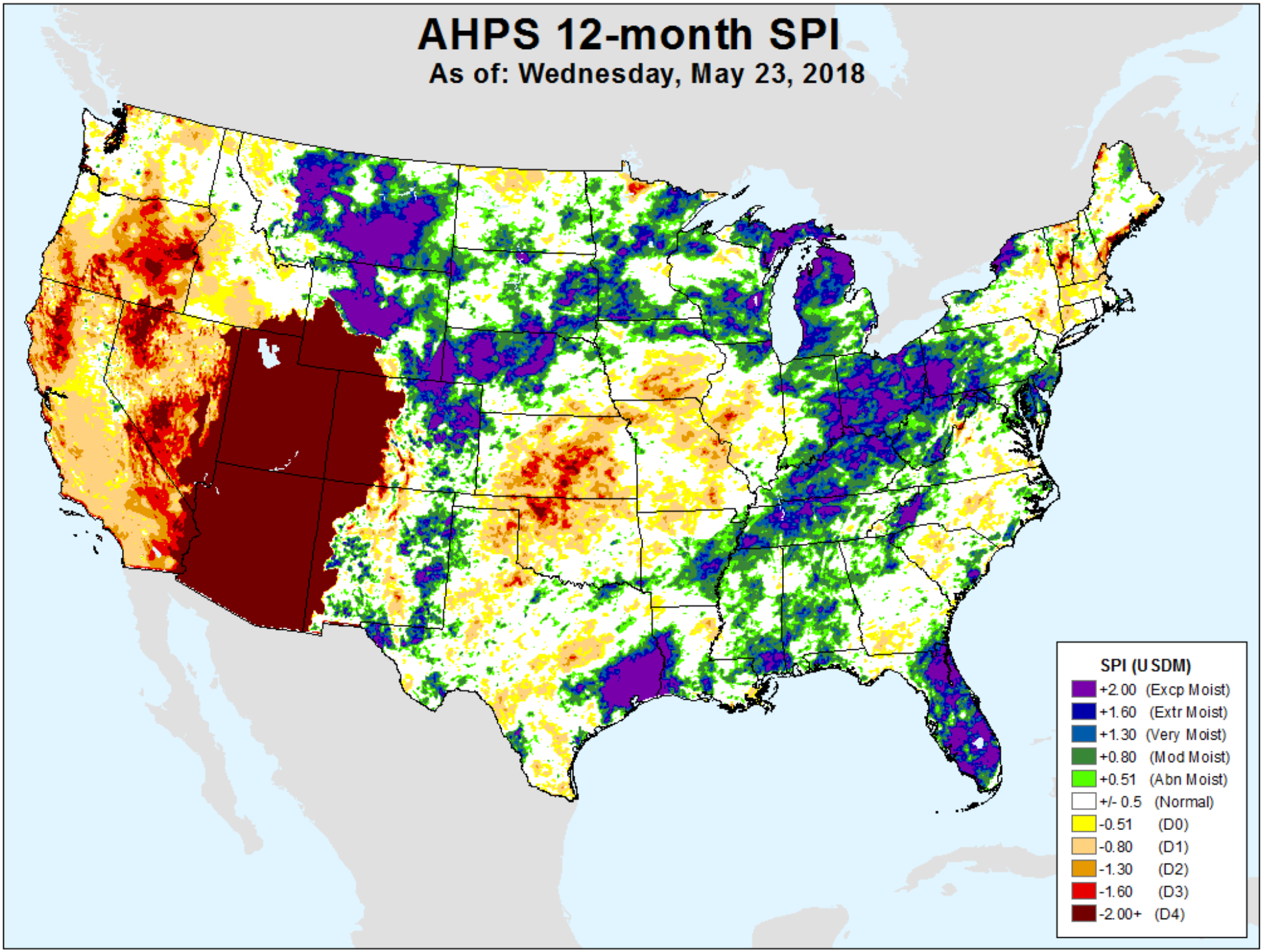
As of: Wednesday, May 23, 2018

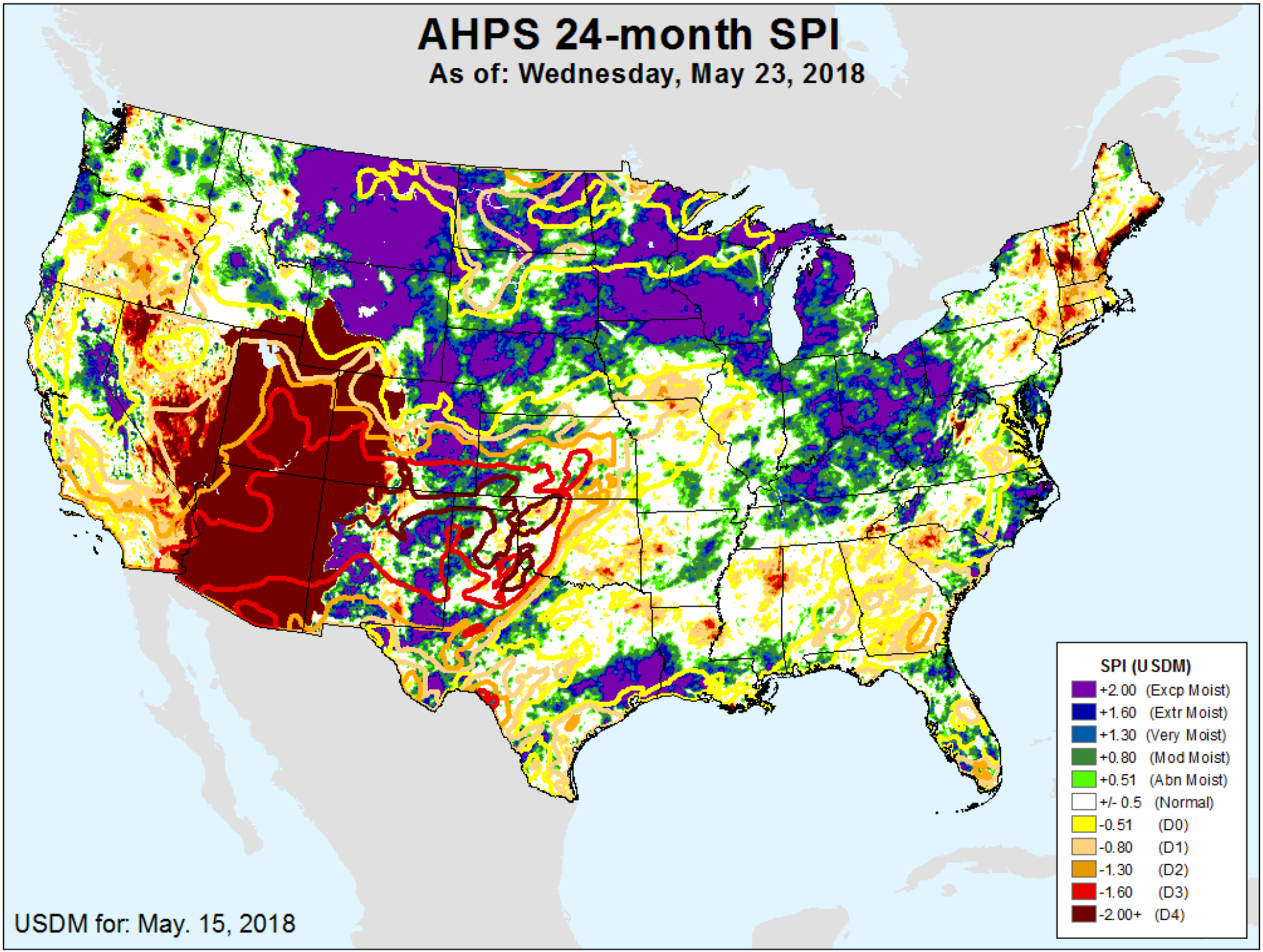


USDM for: May. 15, 2018

AHPS 12-month SPI

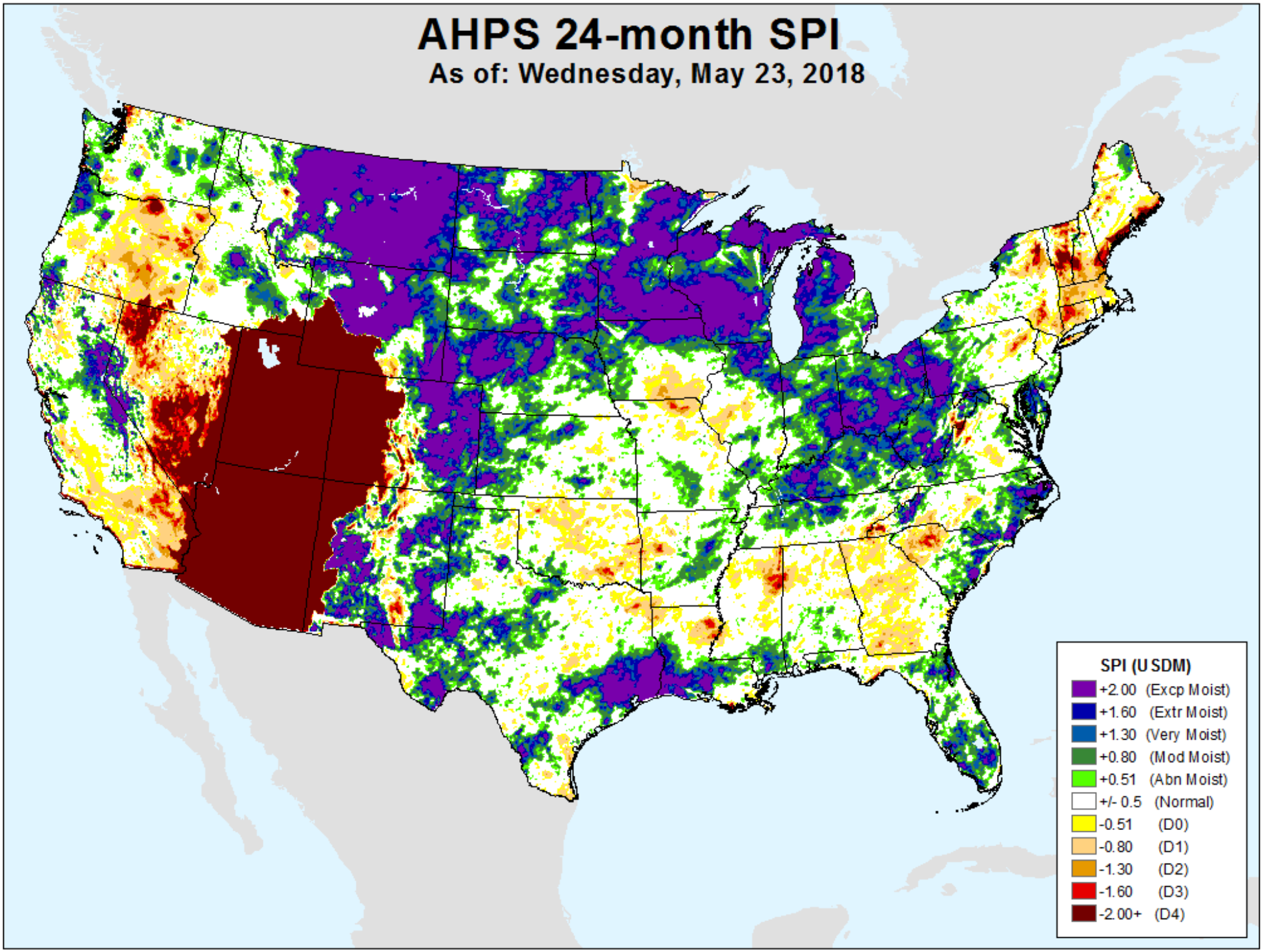
As of: Wednesday, May 23, 2018




AHPS 24-month SPI
As of: Wednesday, May 23, 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: May. 15, 2018

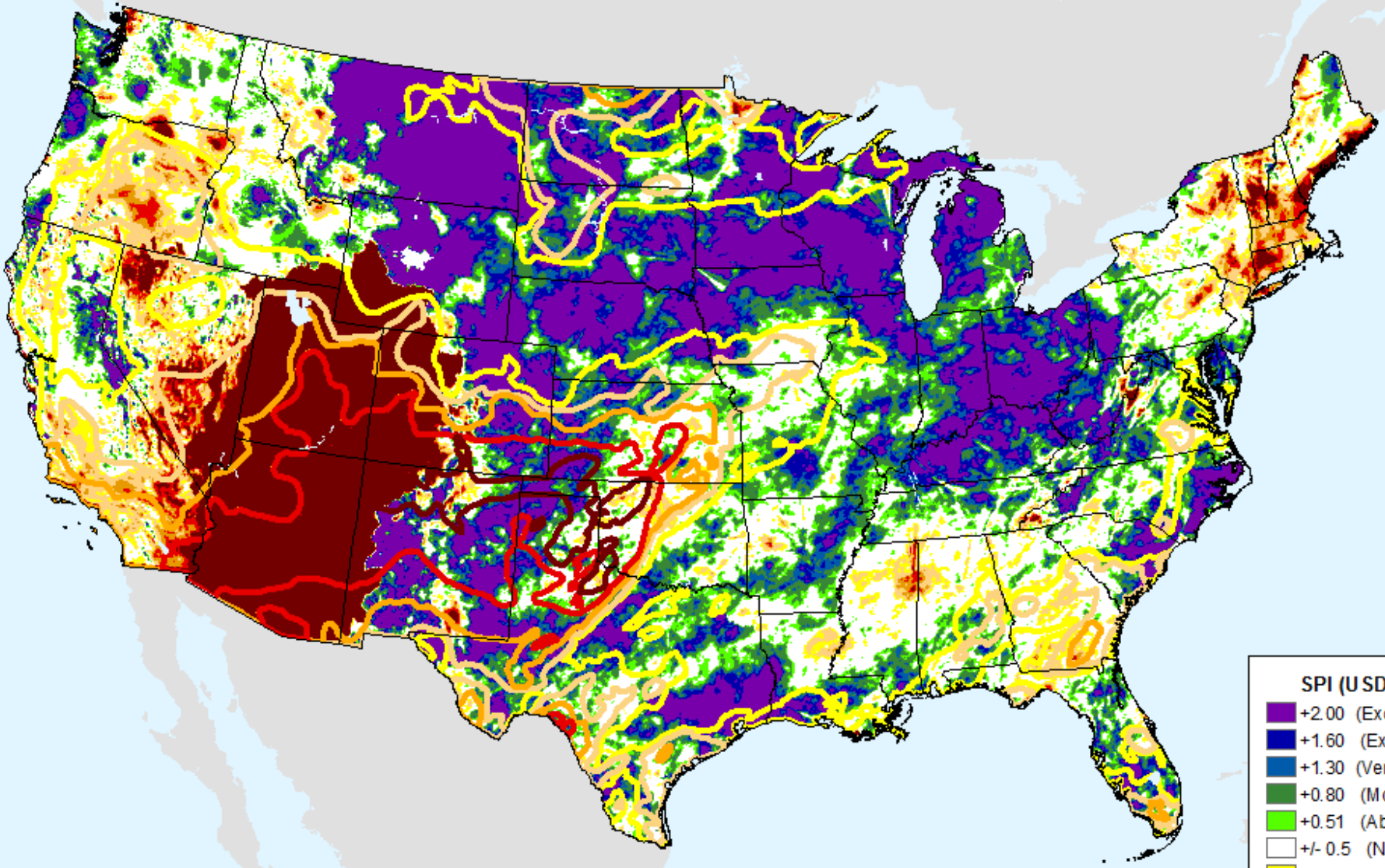
AHPS 24-month SPI

As of: Wednesday, May 23, 2018



AHPS 36-month SPI

As of: Wednesday, May 23, 2018



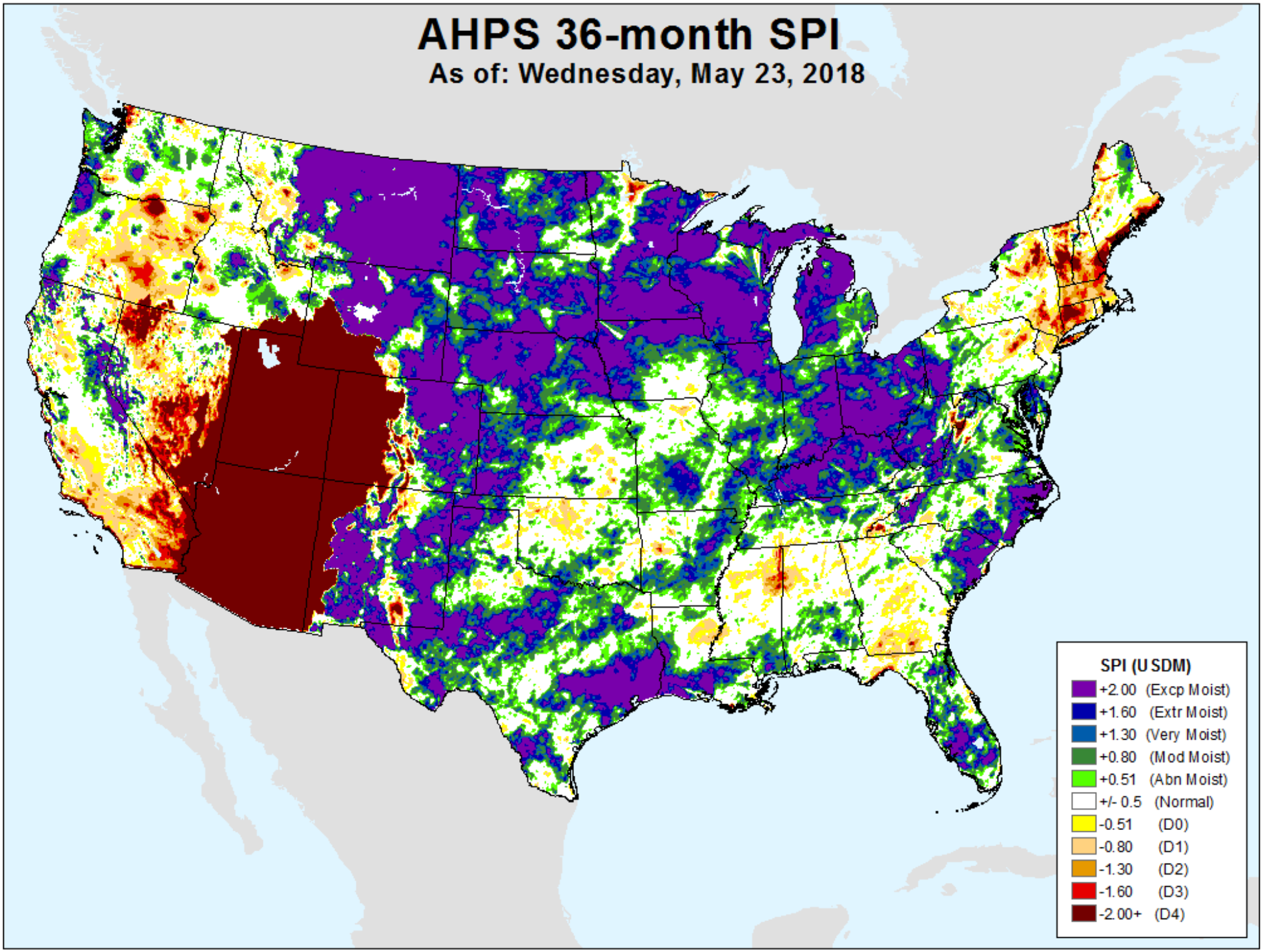
SPI (USDM)

+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: May. 15, 2018

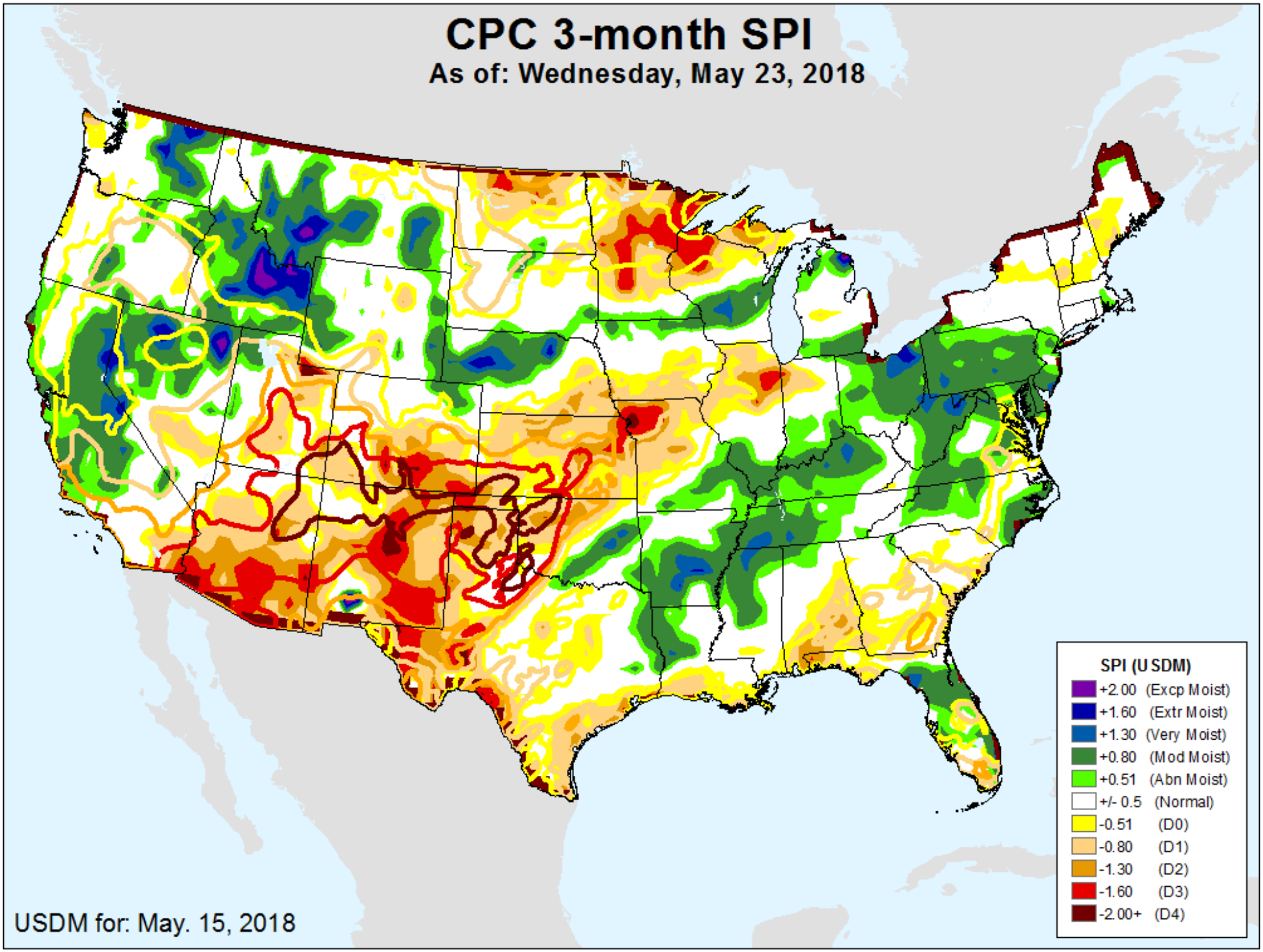
AHPS 36-month SPI

As of: Wednesday, May 23, 2018



CPC 3-month SPI

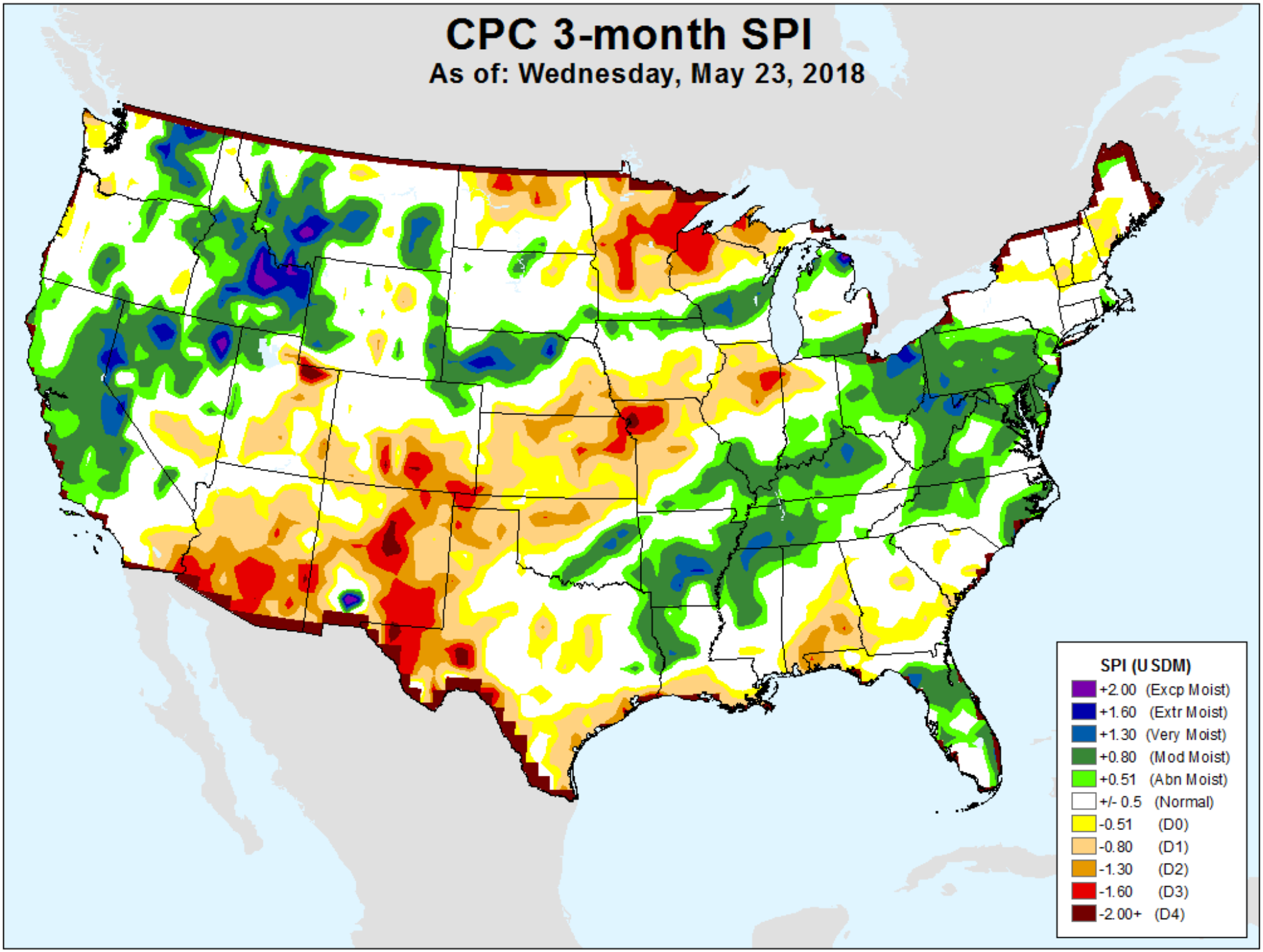
As of: Wednesday, May 23, 2018



USDM for: May. 15, 2018

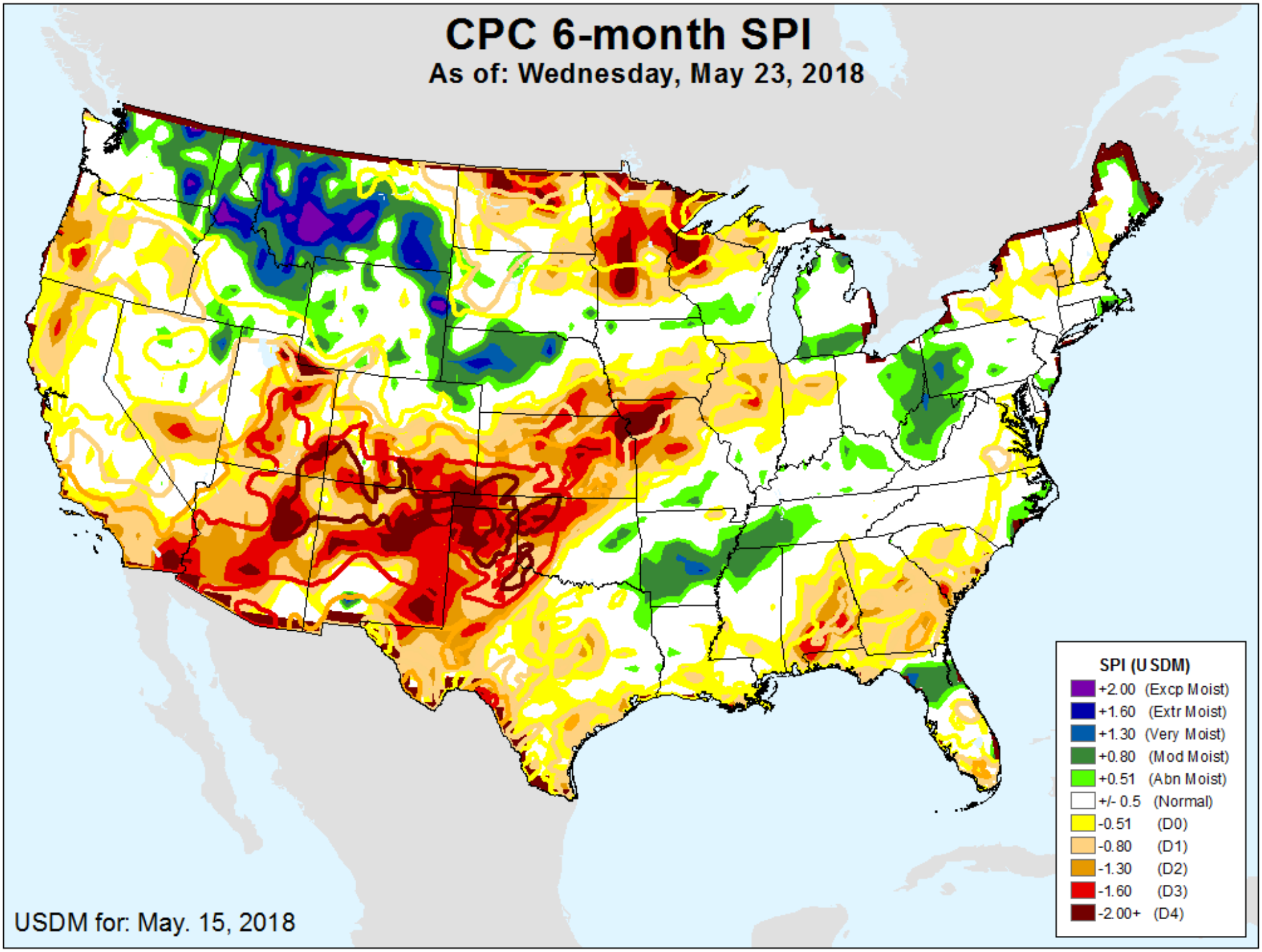
CPC 3-month SPI

As of: Wednesday, May 23, 2018



CPC 6-month SPI

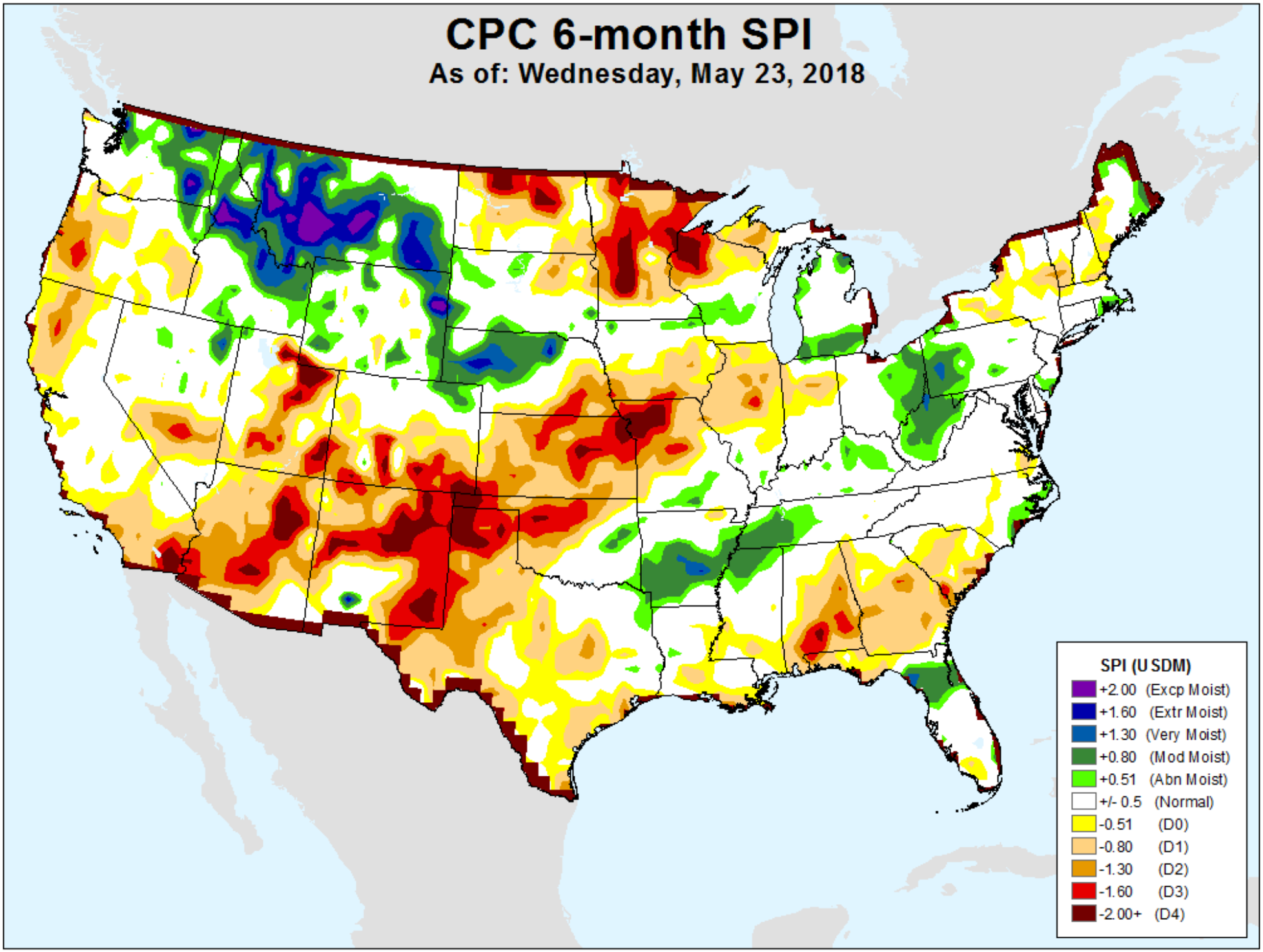
As of: Wednesday, May 23, 2018



USDM for: May. 15, 2018

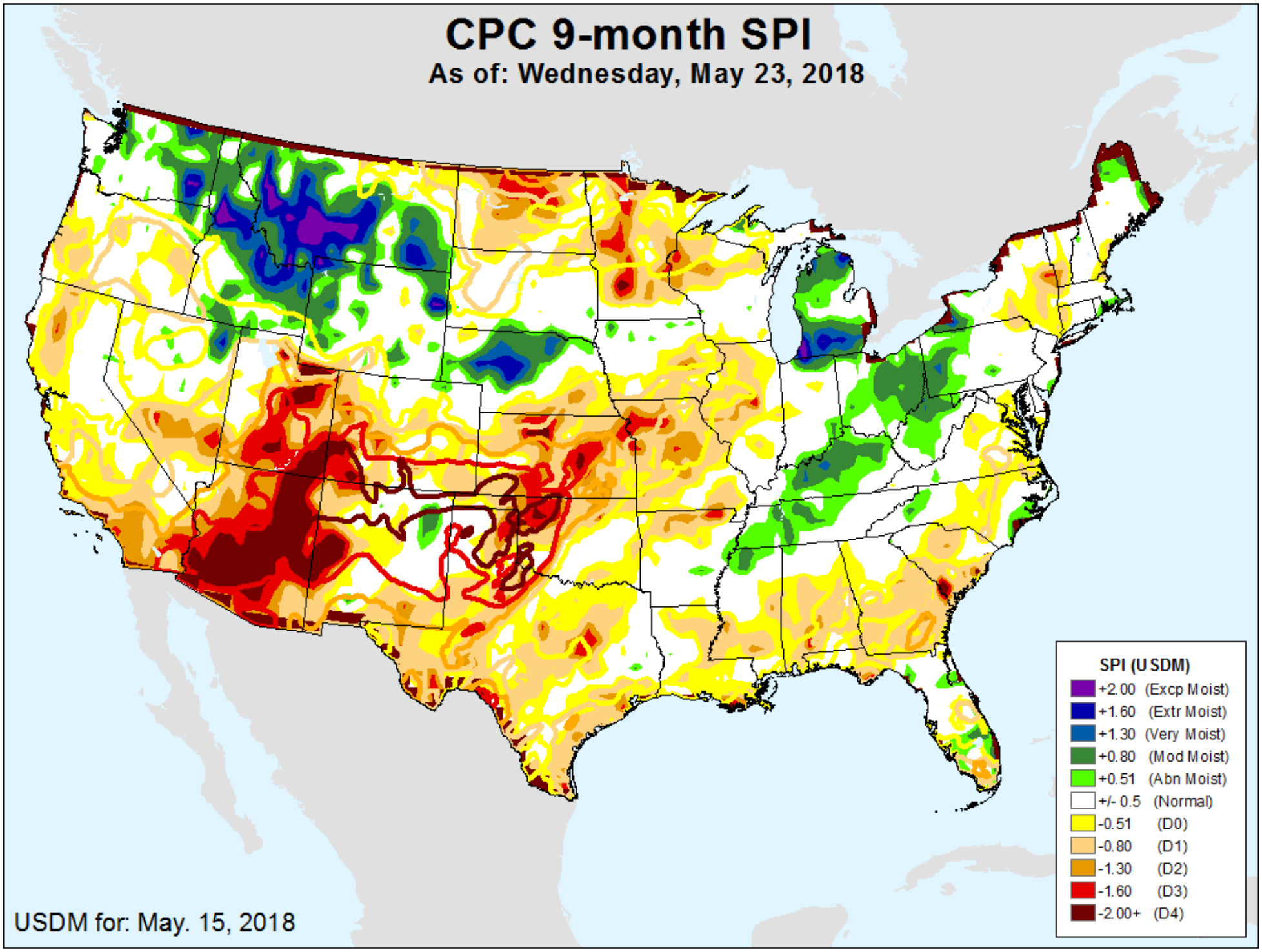
CPC 6-month SPI

As of: Wednesday, May 23, 2018



CPC 9-month SPI

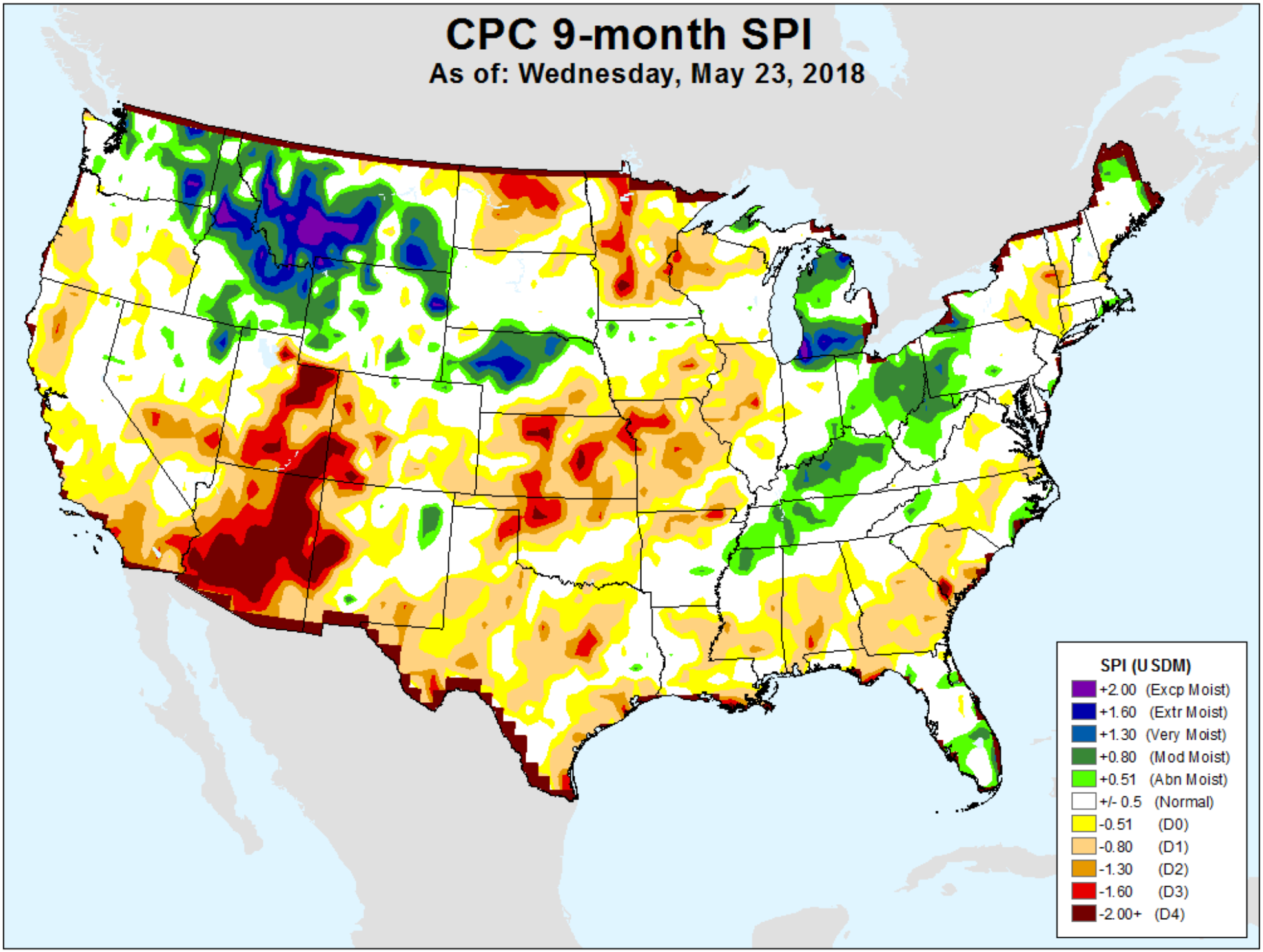
As of: Wednesday, May 23, 2018



USDM for: May. 15, 2018

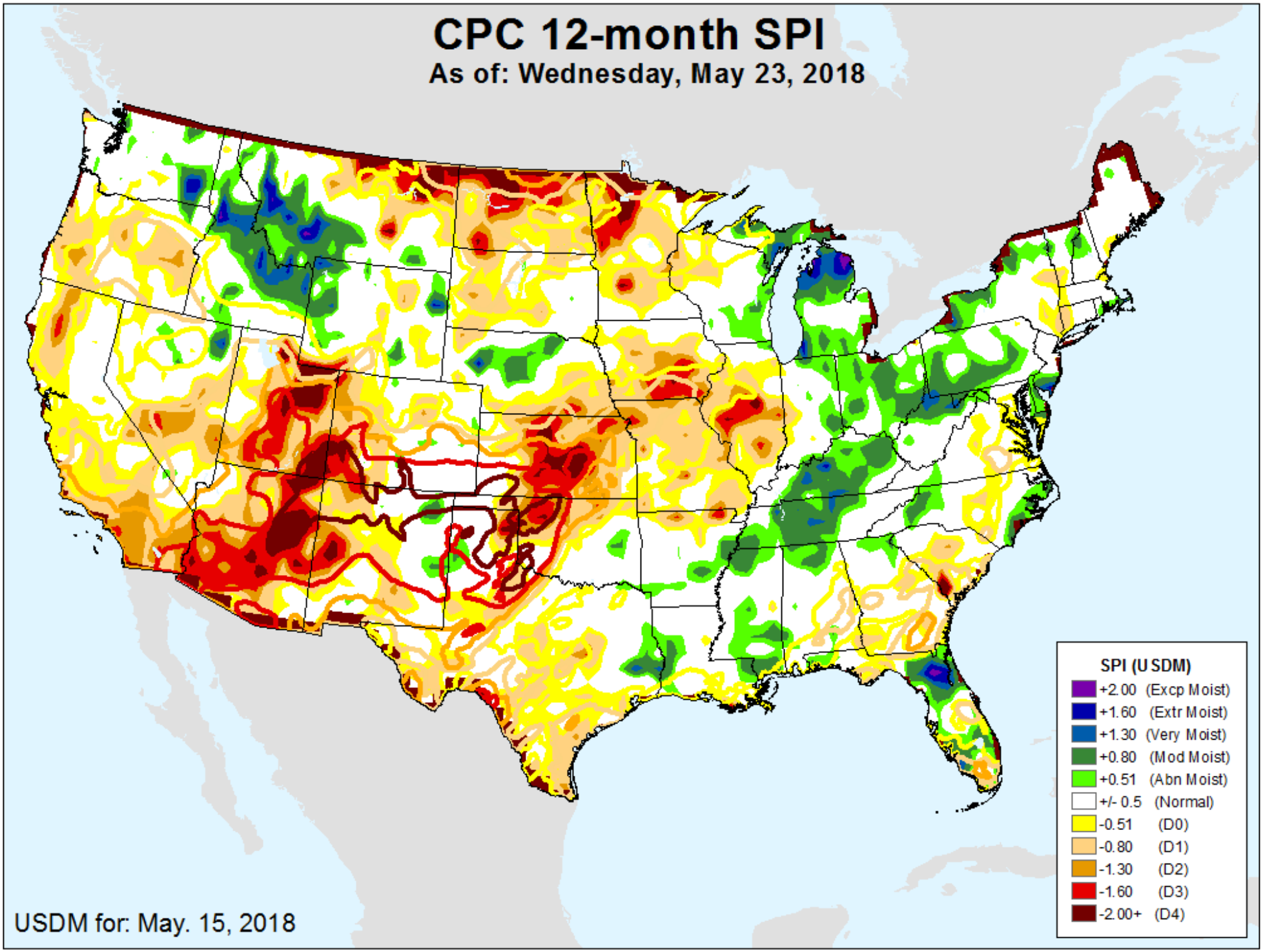
CPC 9-month SPI

As of: Wednesday, May 23, 2018



CPC 12-month SPI

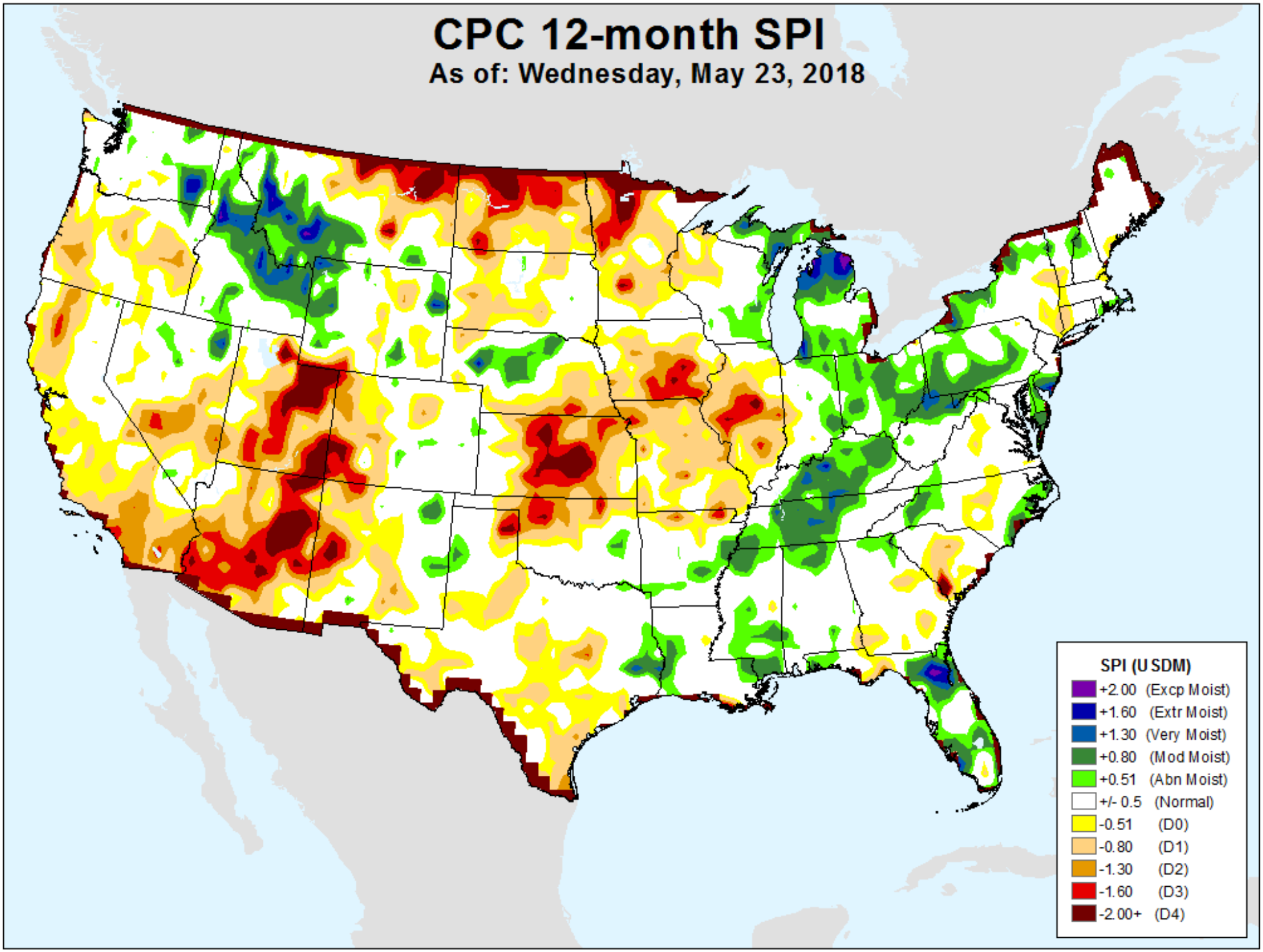
As of: Wednesday, May 23, 2018

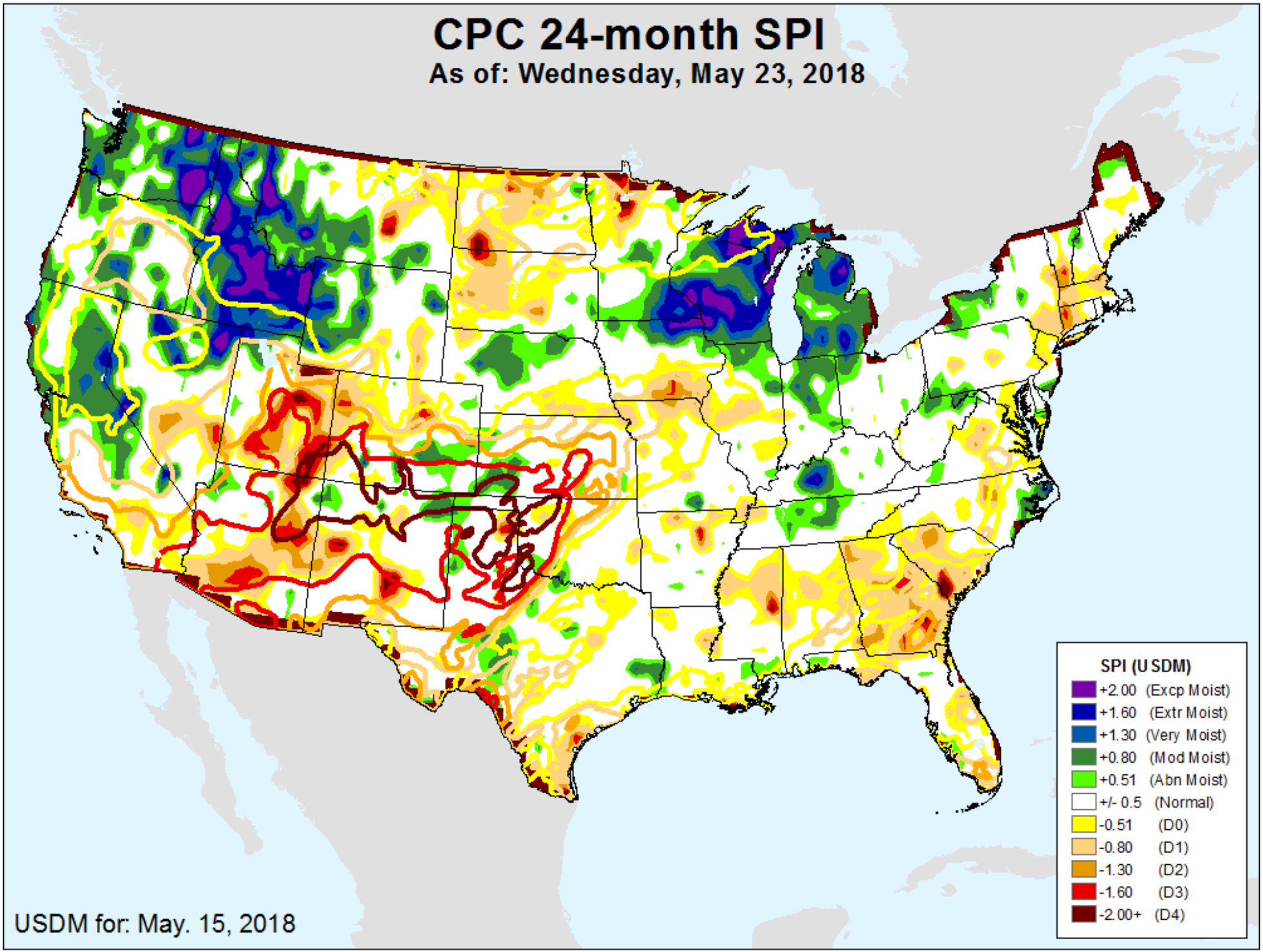


USDM for: May. 15, 2018

CPC 12-month SPI

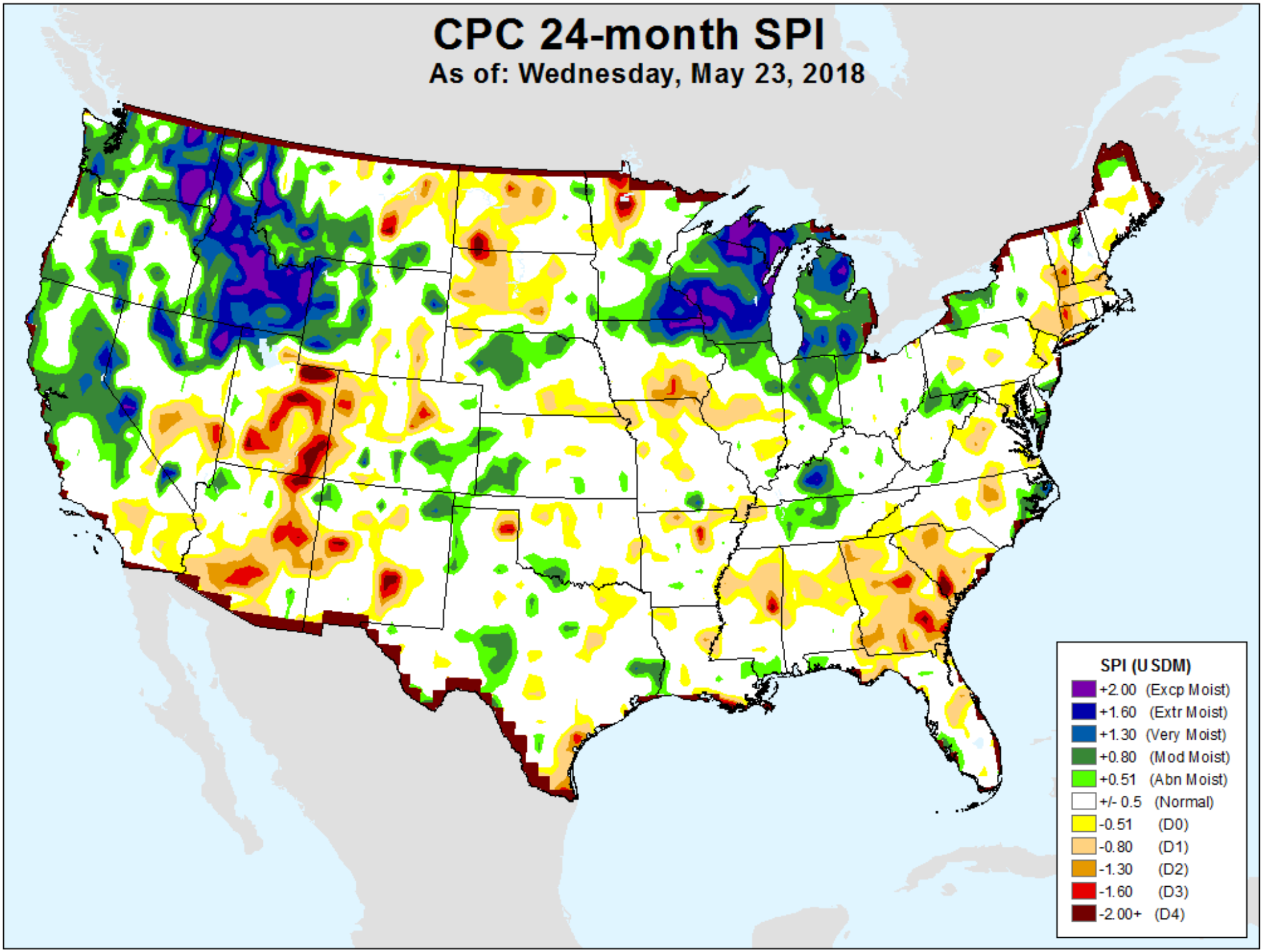
As of: Wednesday, May 23, 2018




CPC 24-month SPI
As of: Wednesday, May 23, 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: May. 15, 2018

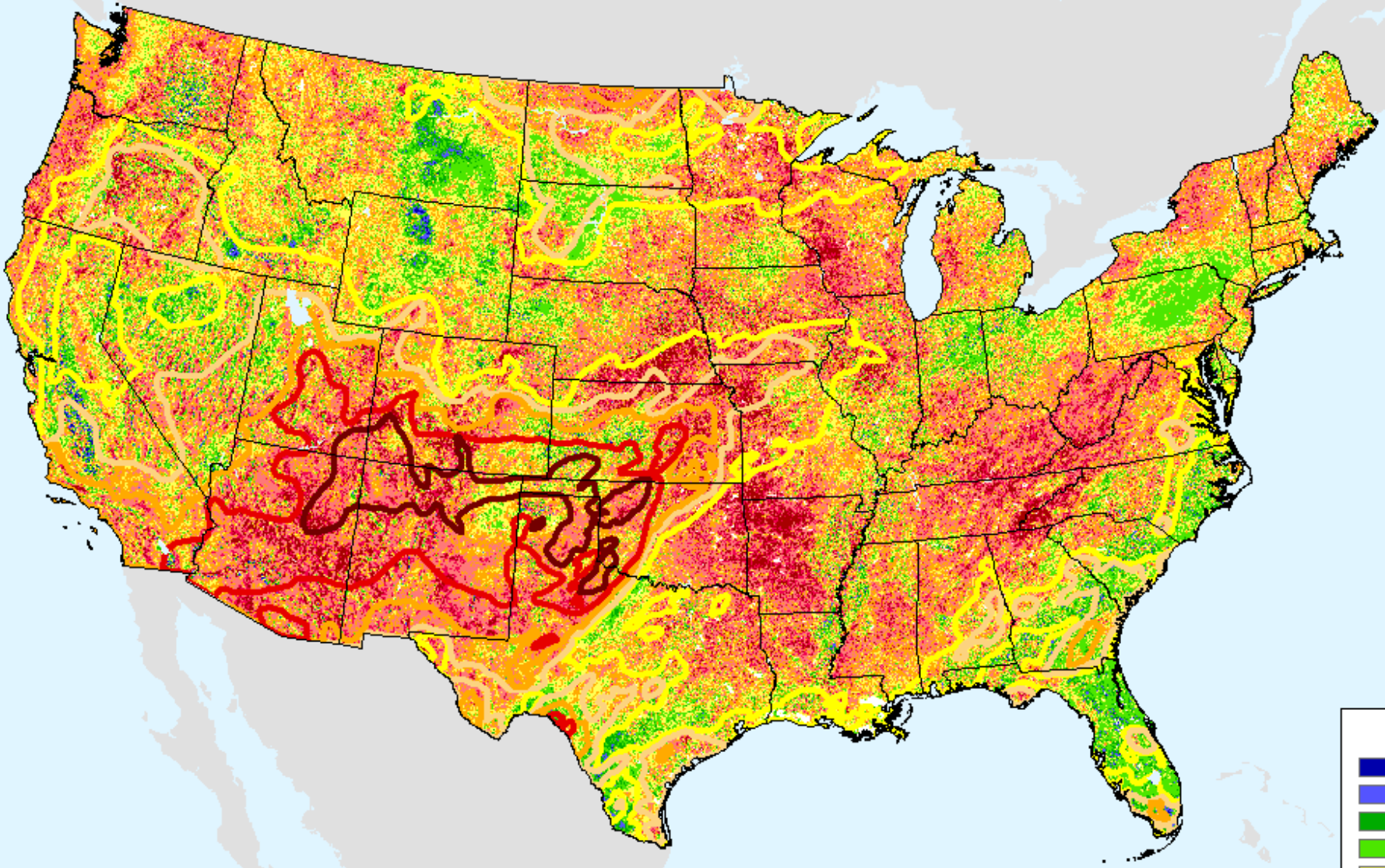
CPC 24-month SPI

As of: Wednesday, May 23, 2018



Vegetation Health Index

As of: Wednesday, May 23, 2018

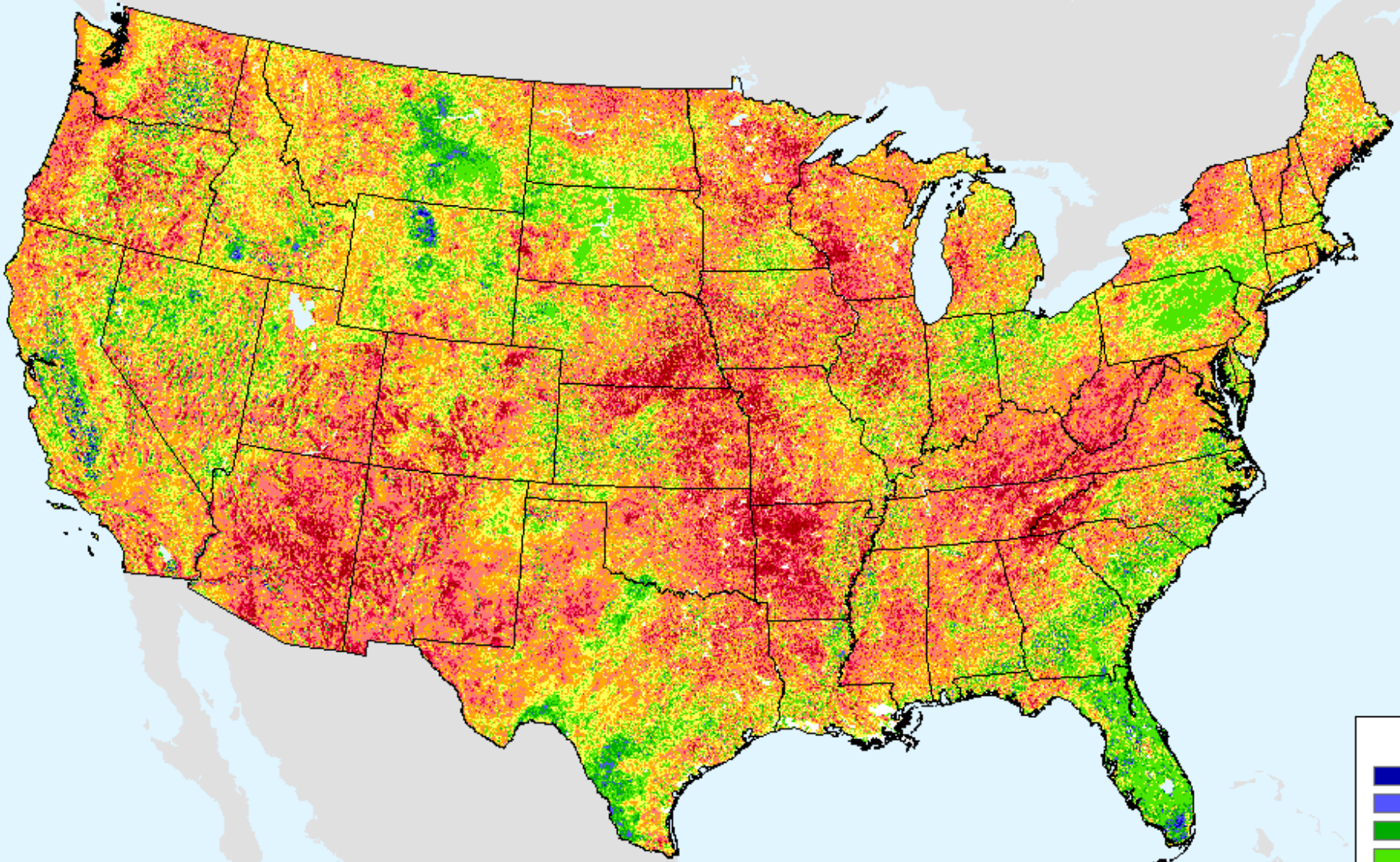


VHI
- 85 - 100
- 73 - 84
- 61 - 72
- 49 - 60
- 37 - 48
- 25 - 36
- 13 - 24
- 7 - 12
- 1 - 6

USDM for: May. 15, 2018

Vegetation Health Index

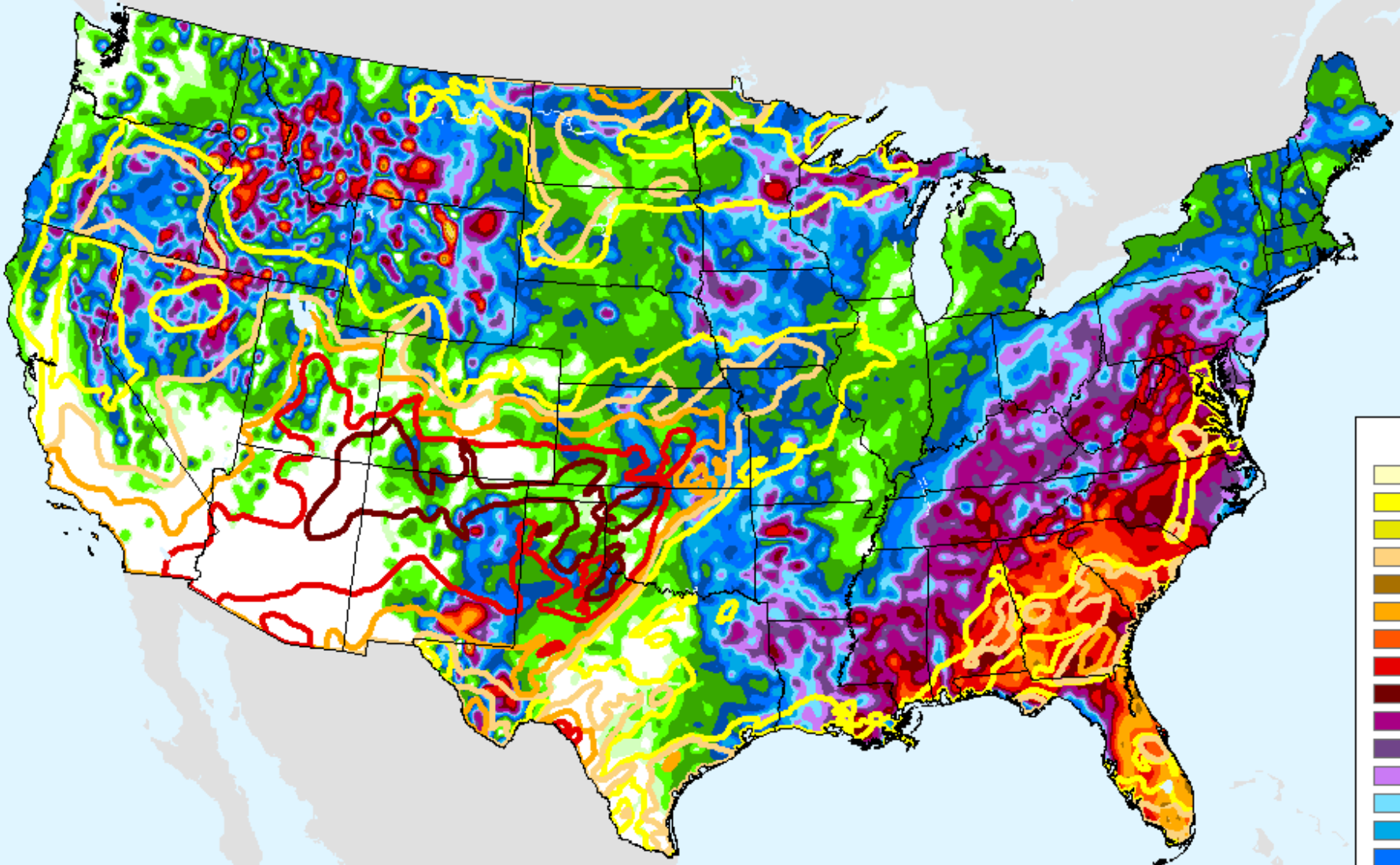
As of: Wednesday, May 23, 2018



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: Wednesday, May 23, 2018

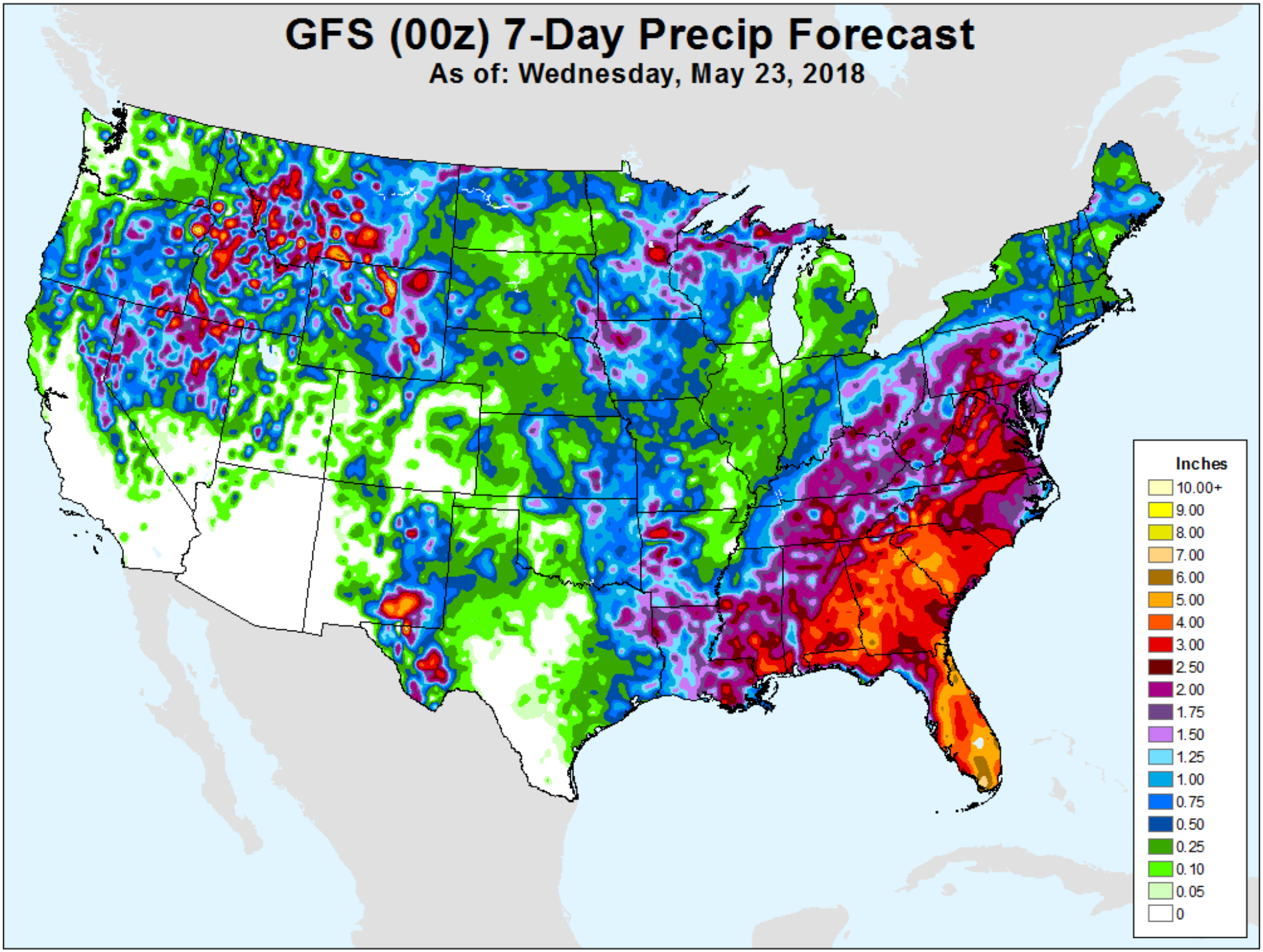


Inches
10.00+
9.00
8.00
7.00
6.00
5.00
4.00
3.00
2.50
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.10
0.05
0

USDM for: May. 15, 2018

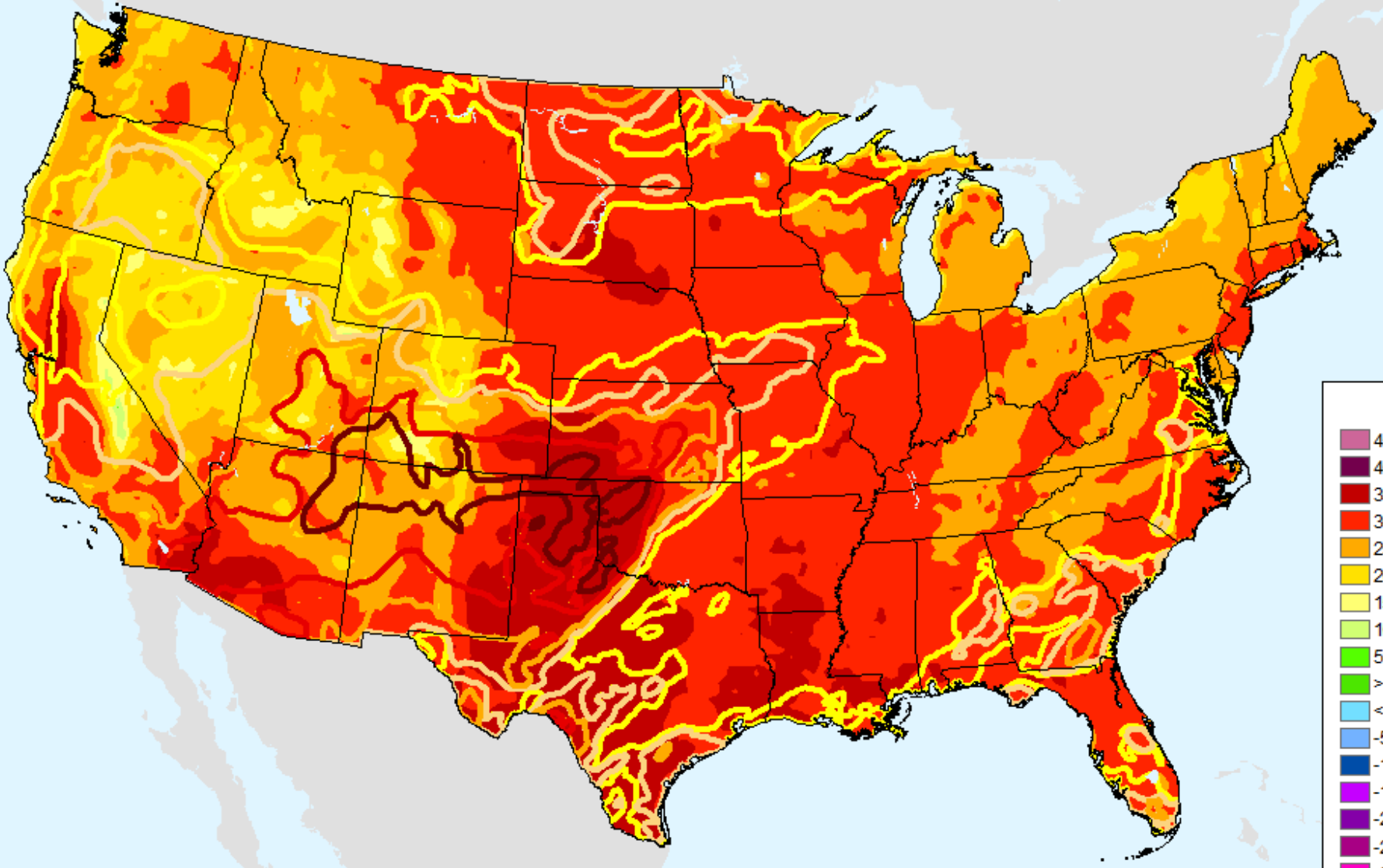
GFS (00z) 7-Day Precip Forecast

As of: Wednesday, May 23, 2018



GFS (00z) 7-Day Max Temp Forecast

As of: Wednesday, May 23, 2018

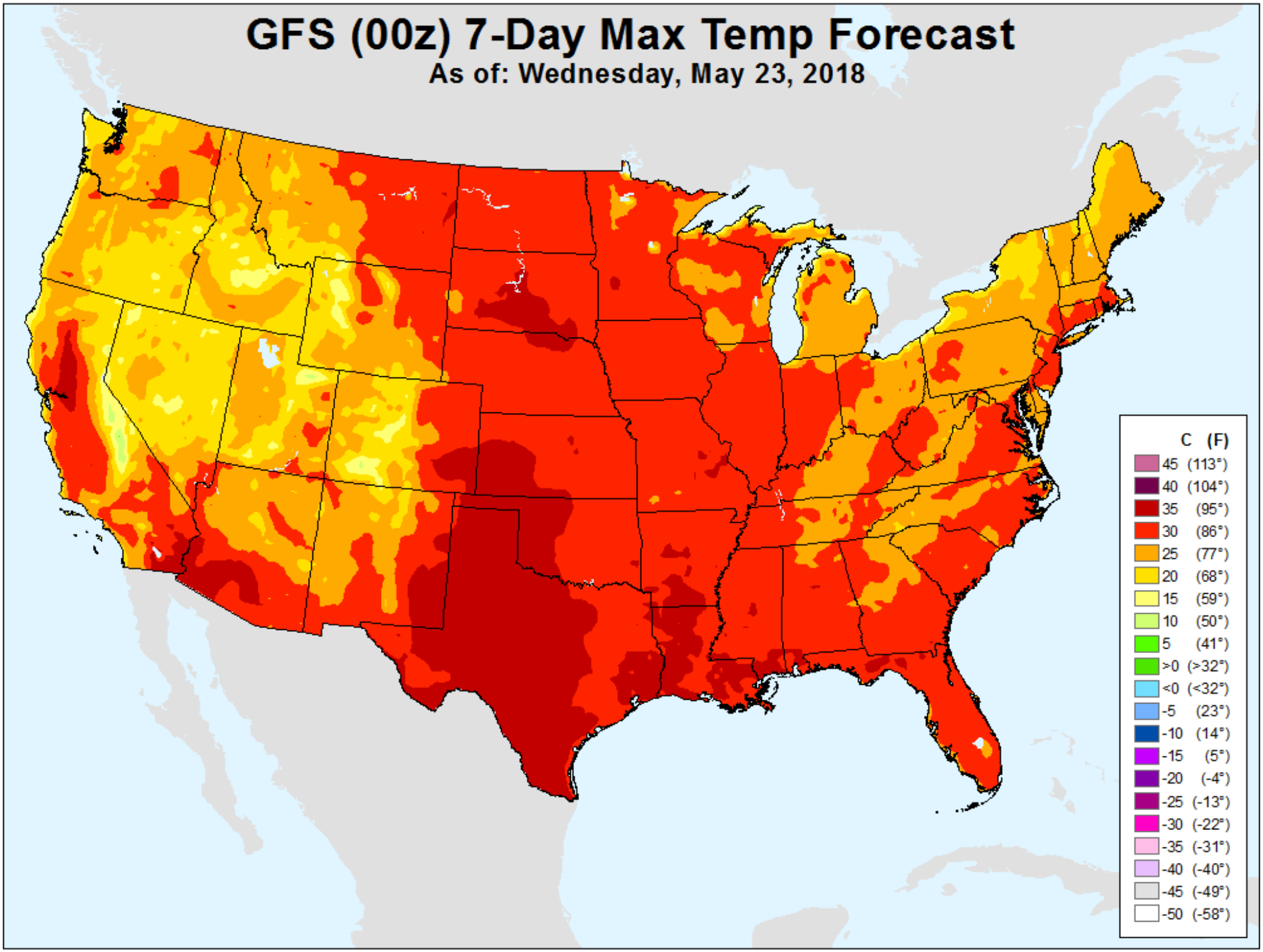


C	(F)
45	(113°)
40	(104°)
35	(95°)
30	(86°)
25	(77°)
20	(68°)
15	(59°)
10	(50°)
5	(41°)
>0	(>32°)
<0	(<32°)
-5	(23°)
-10	(14°)
-15	(5°)
-20	(-4°)
-25	(-13°)
-30	(-22°)
-35	(-31°)
-40	(-40°)
-45	(-49°)
-50	(-58°)

USDM for: May. 15, 2018

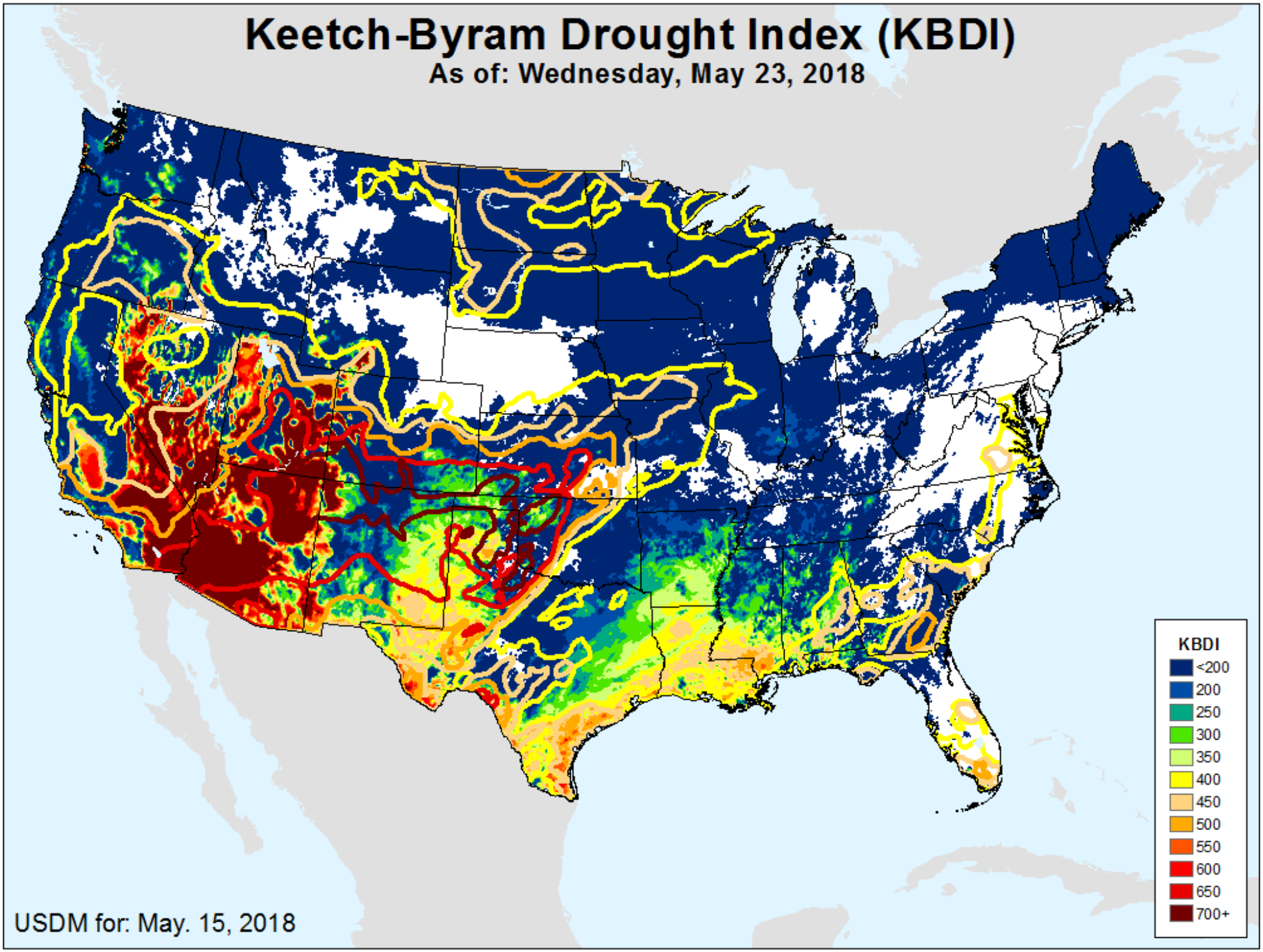
GFS (00z) 7-Day Max Temp Forecast

As of: Wednesday, May 23, 2018



Keetch-Byram Drought Index (KBDI)

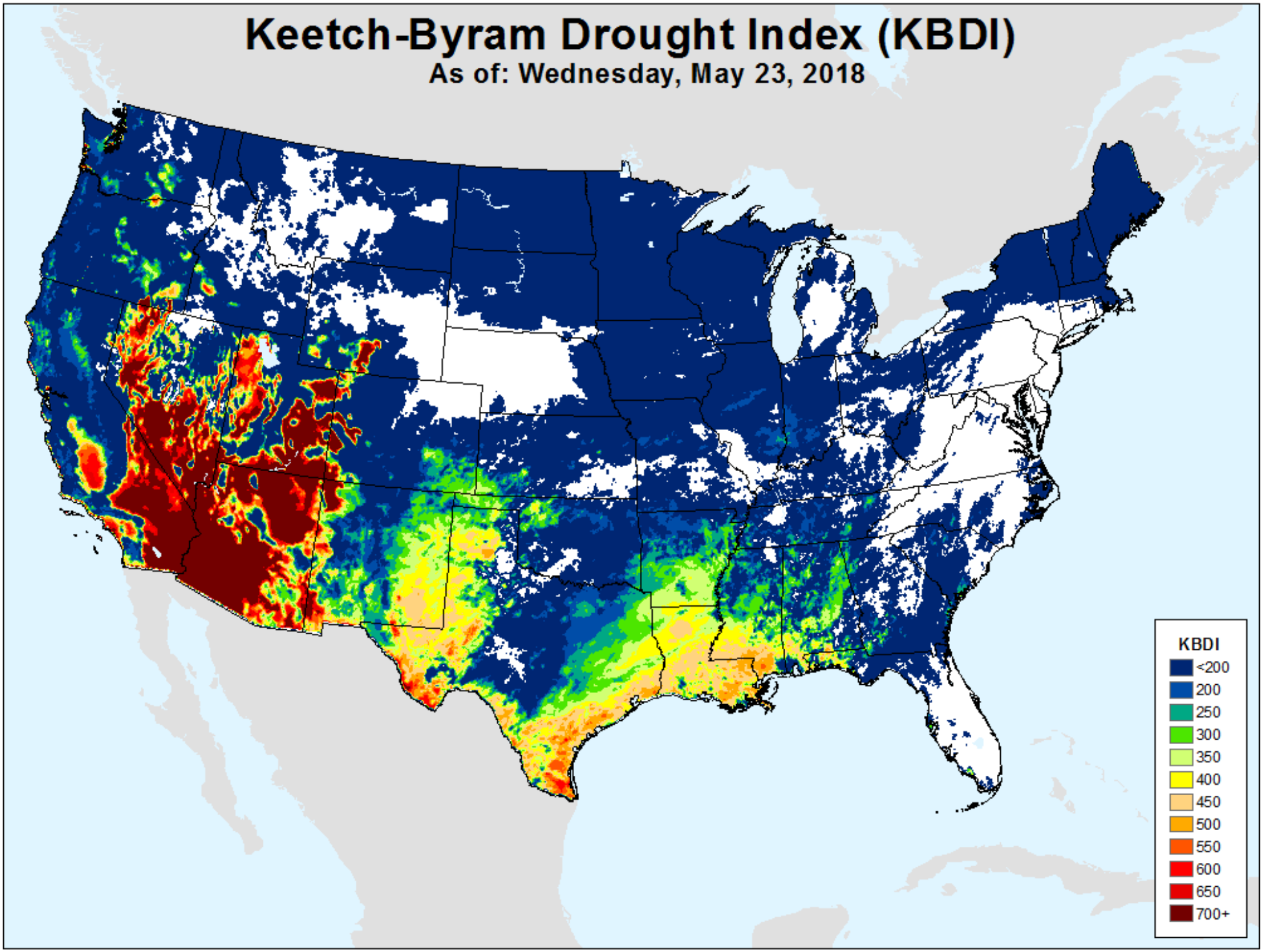
As of: Wednesday, May 23, 2018

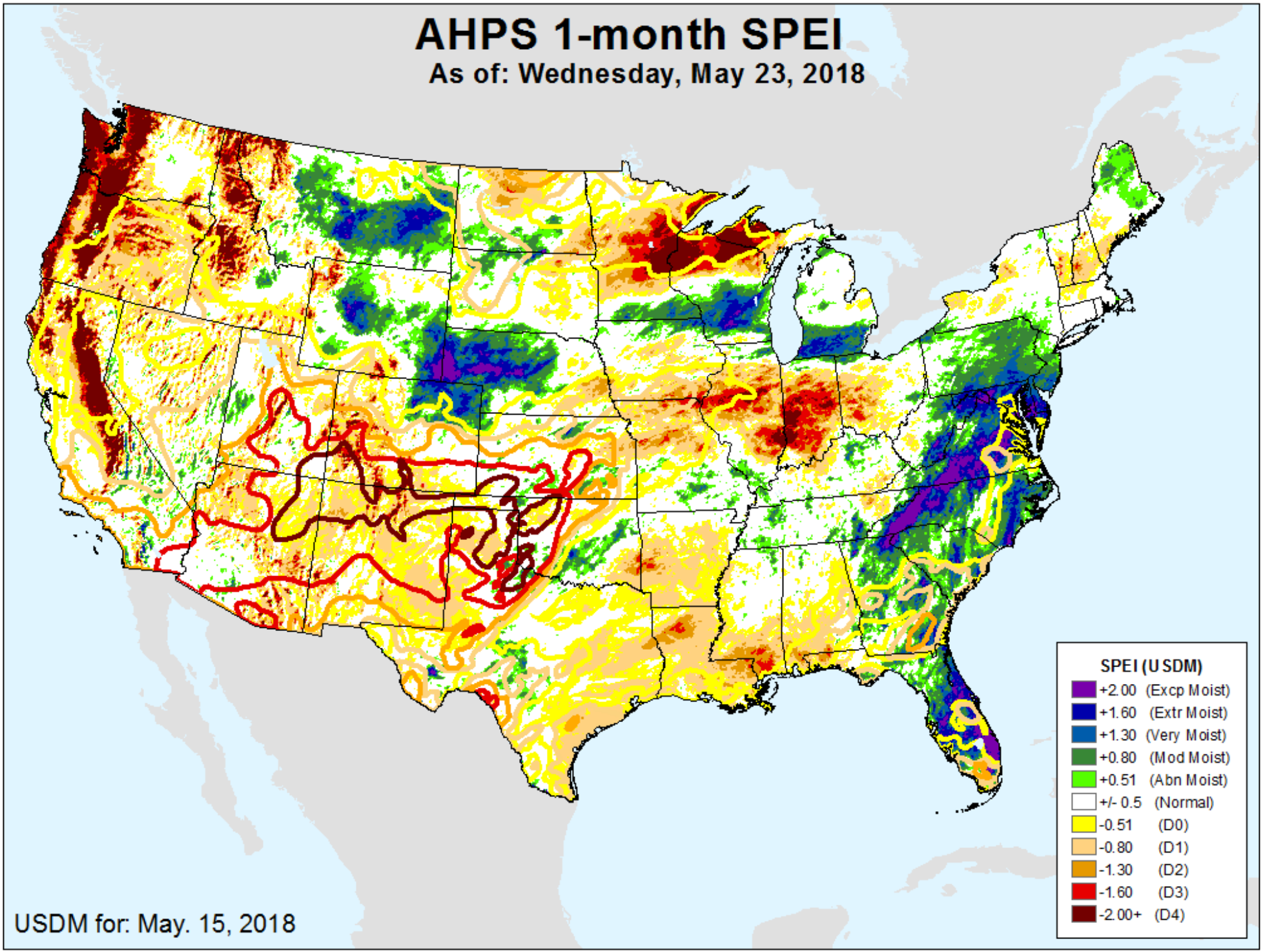


USDM for: May. 15, 2018

Keetch-Byram Drought Index (KBDI)

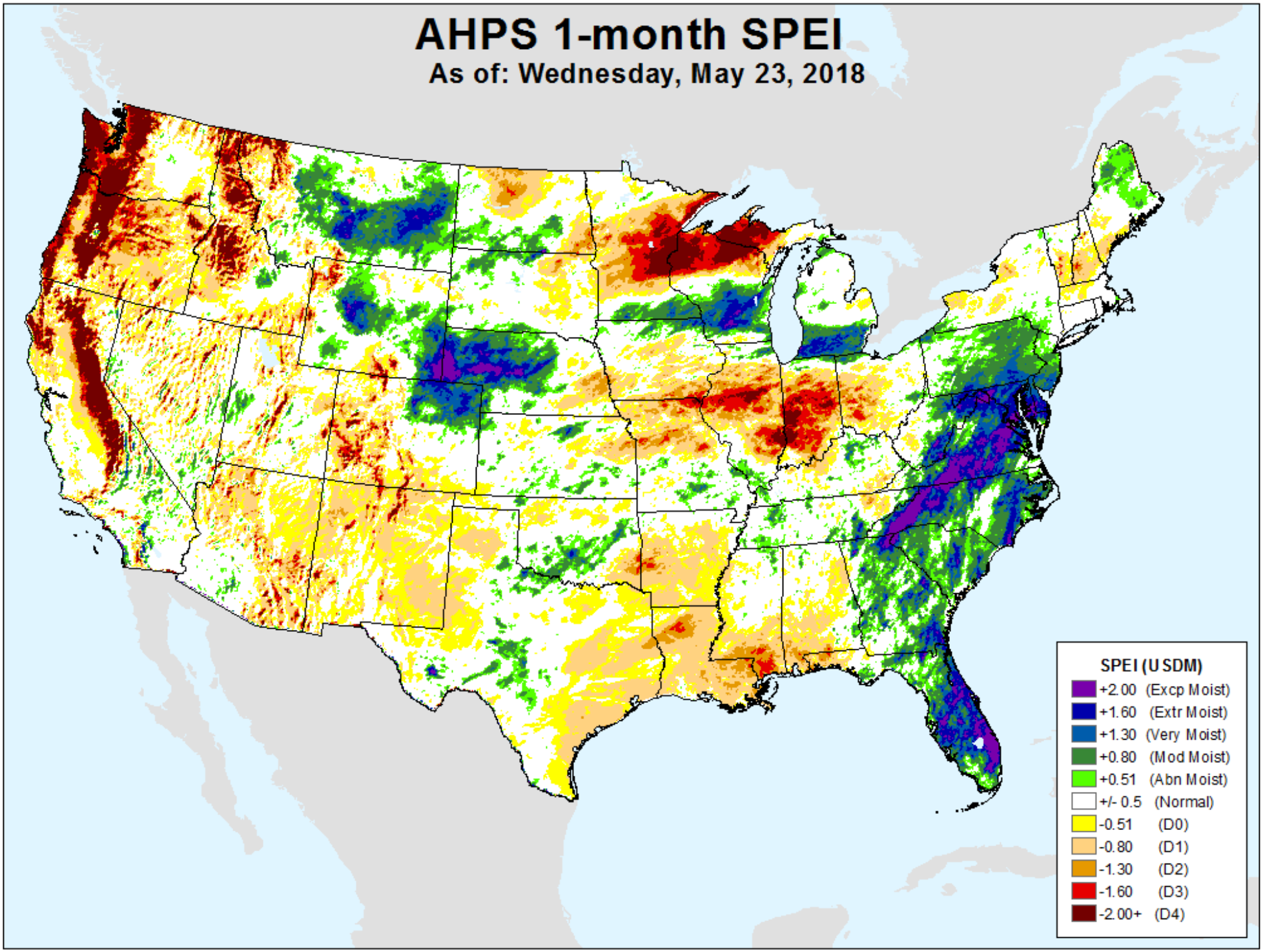
As of: Wednesday, May 23, 2018




AHPS 1-month SPEI
As of: Wednesday, May 23, 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: May. 15, 2018

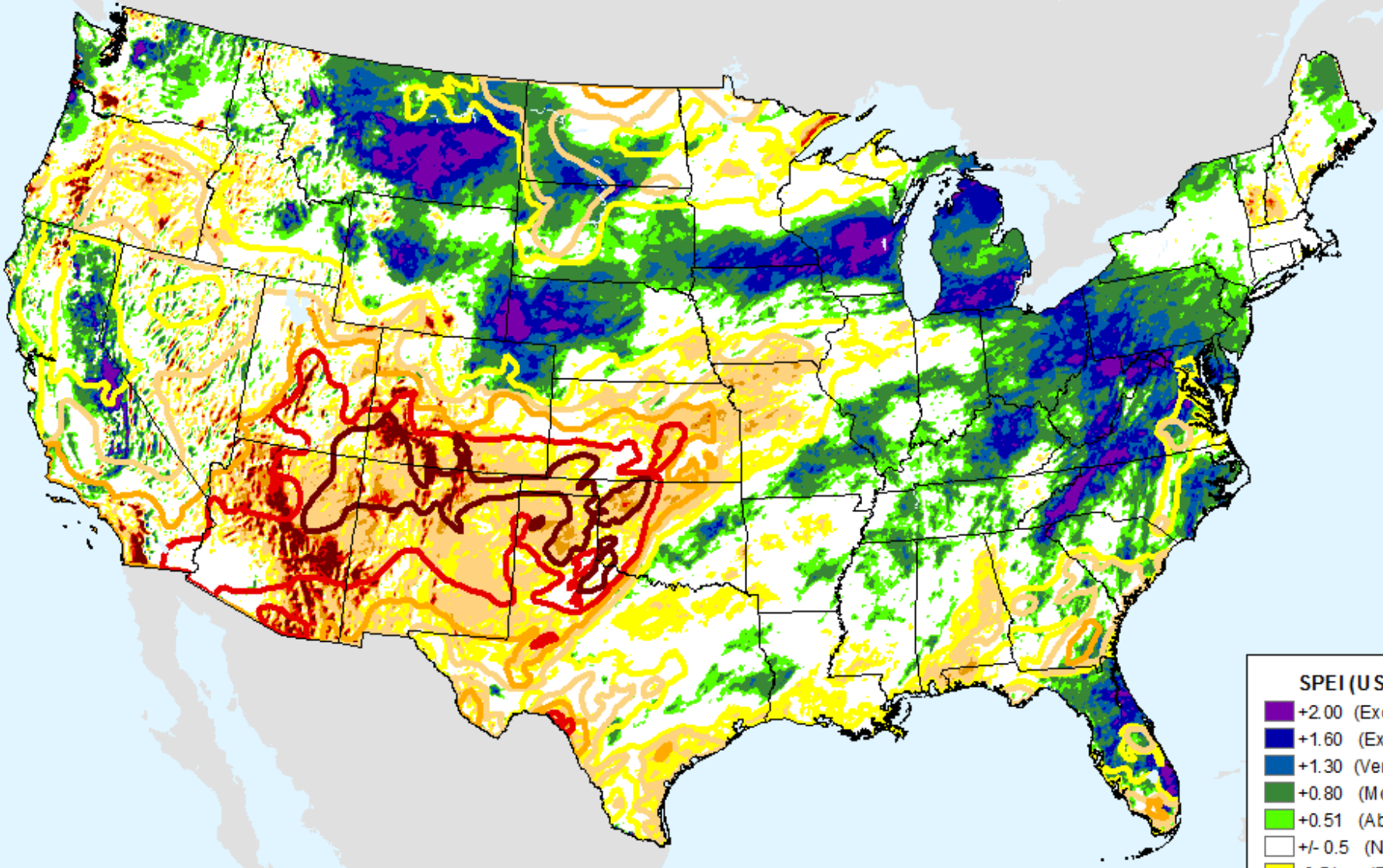
AHPS 1-month SPEI

As of: Wednesday, May 23, 2018



AHPS 2-month SPEI

As of: Wednesday, May 23, 2018



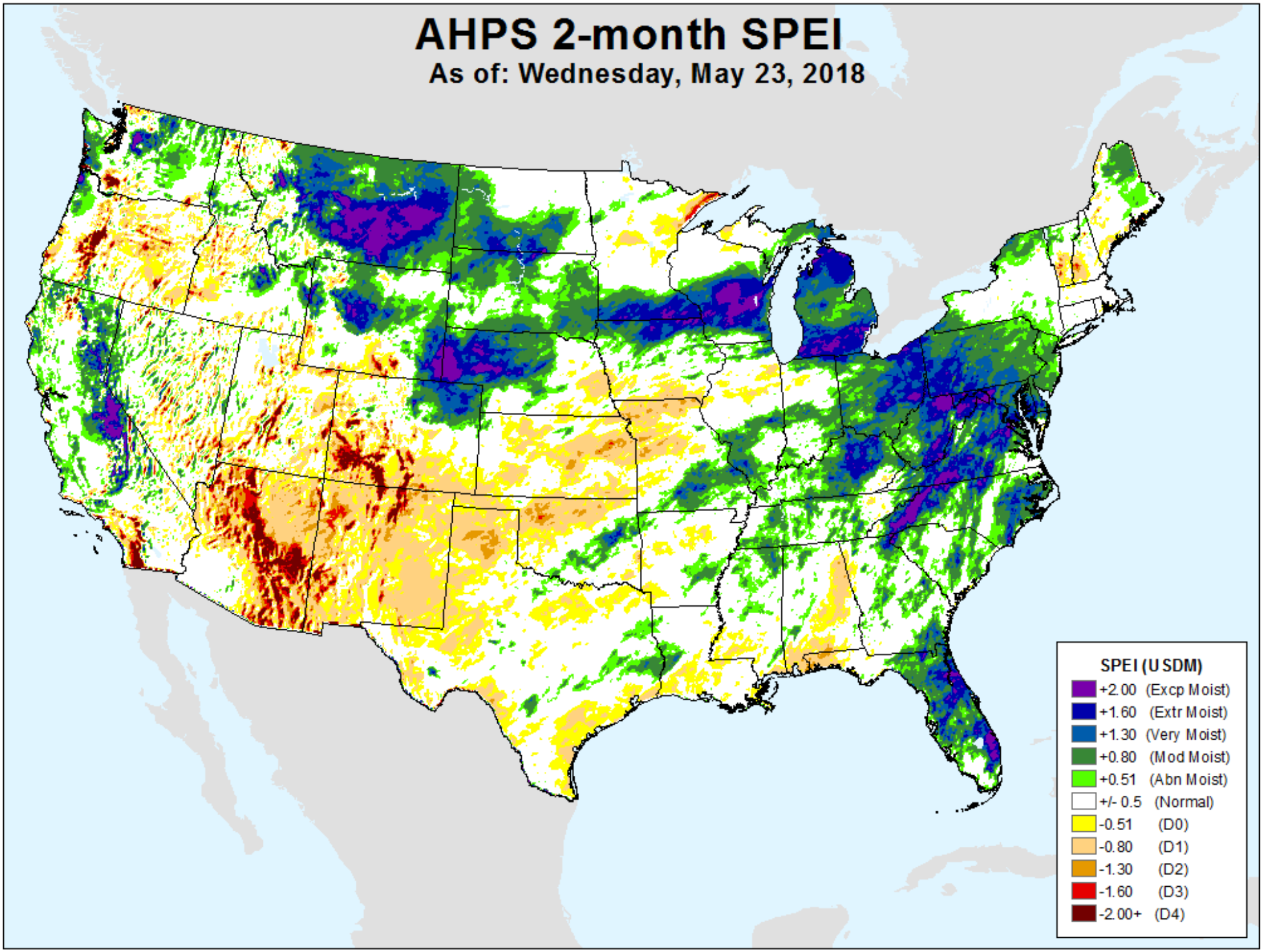
SPEI (USDM)

+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: May. 15, 2018

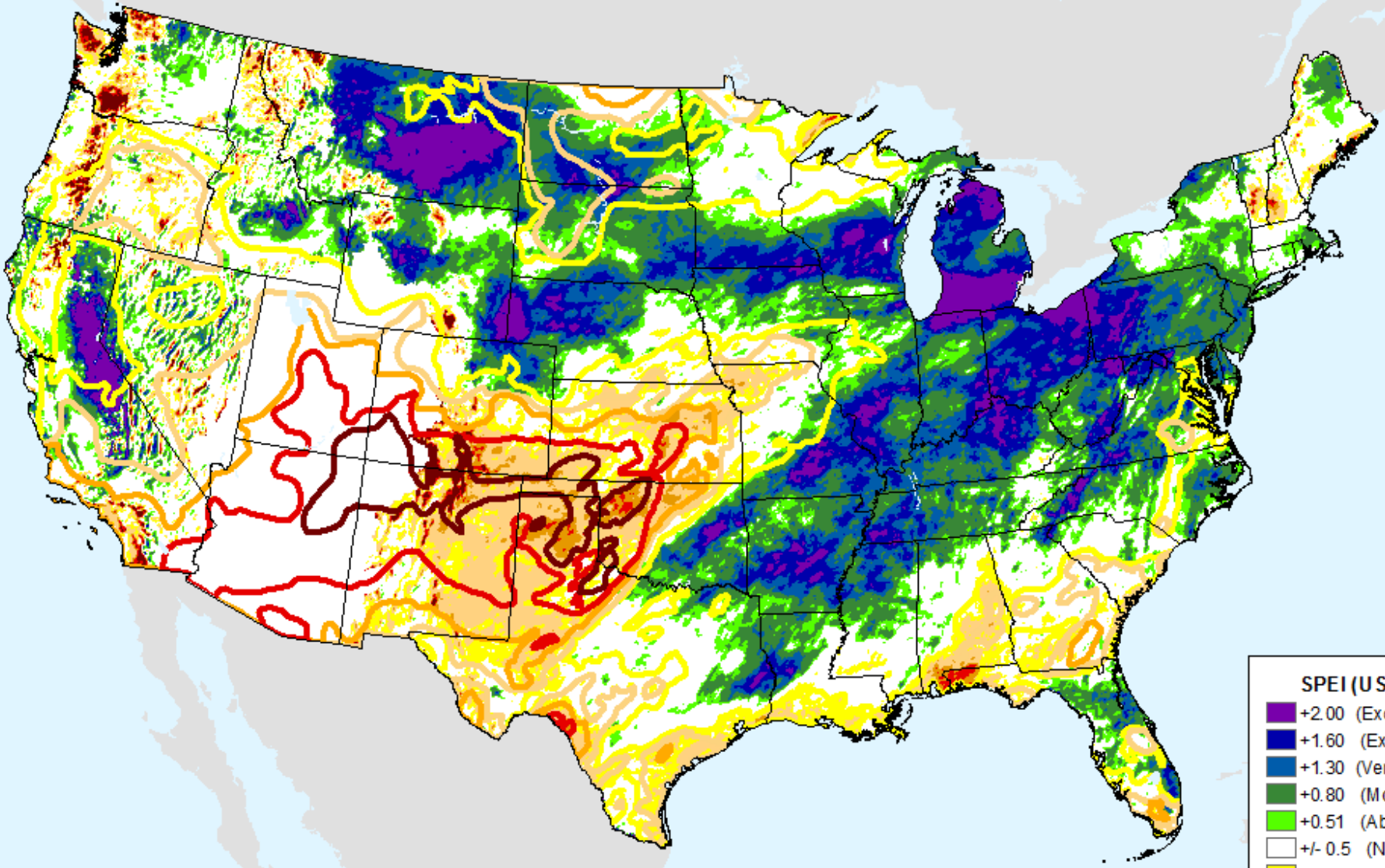
AHPS 2-month SPEI

As of: Wednesday, May 23, 2018



AHPS 3-month SPEI

As of: Wednesday, May 23, 2018



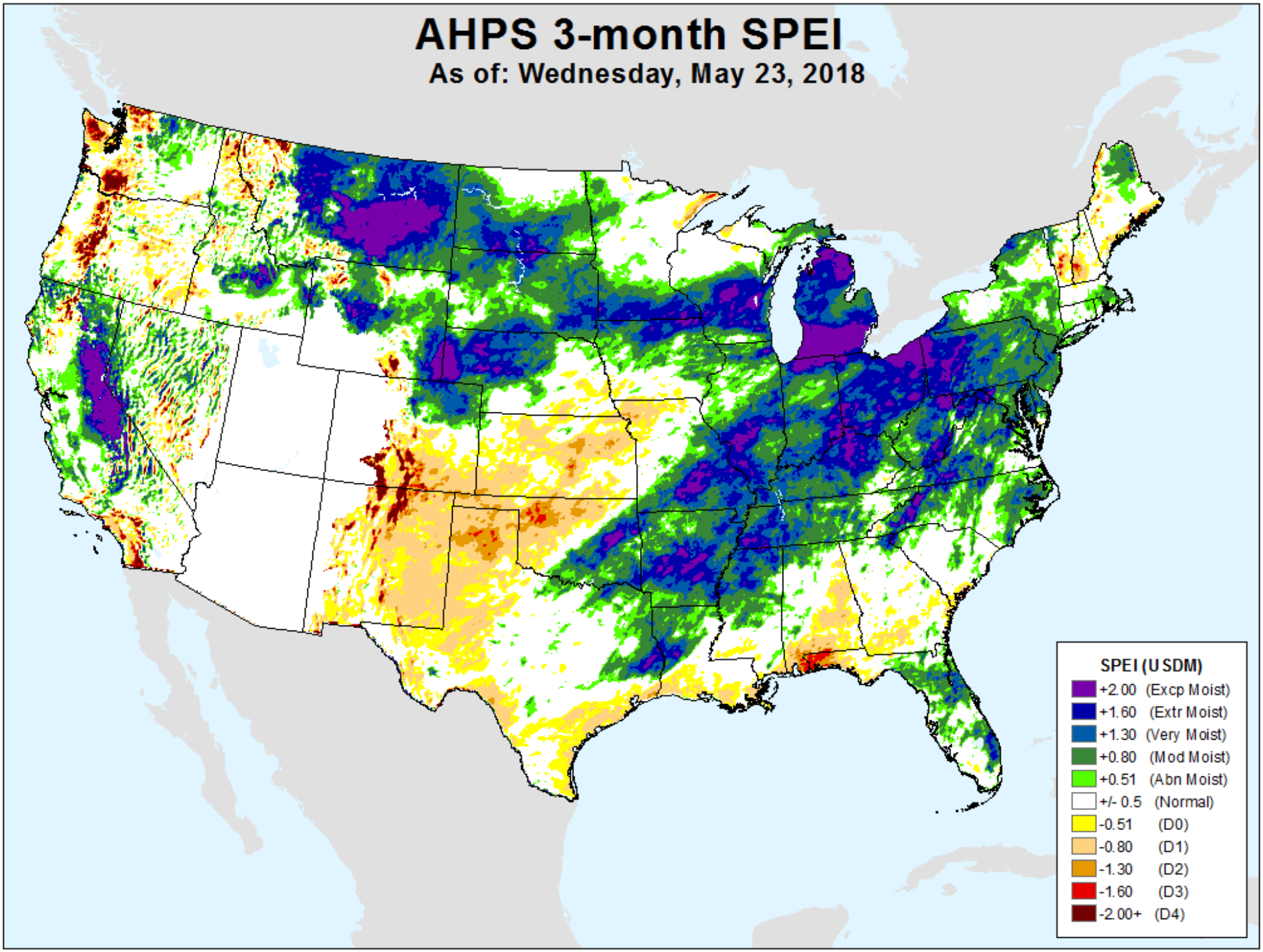
SPEI (USDM)

+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: May. 15, 2018

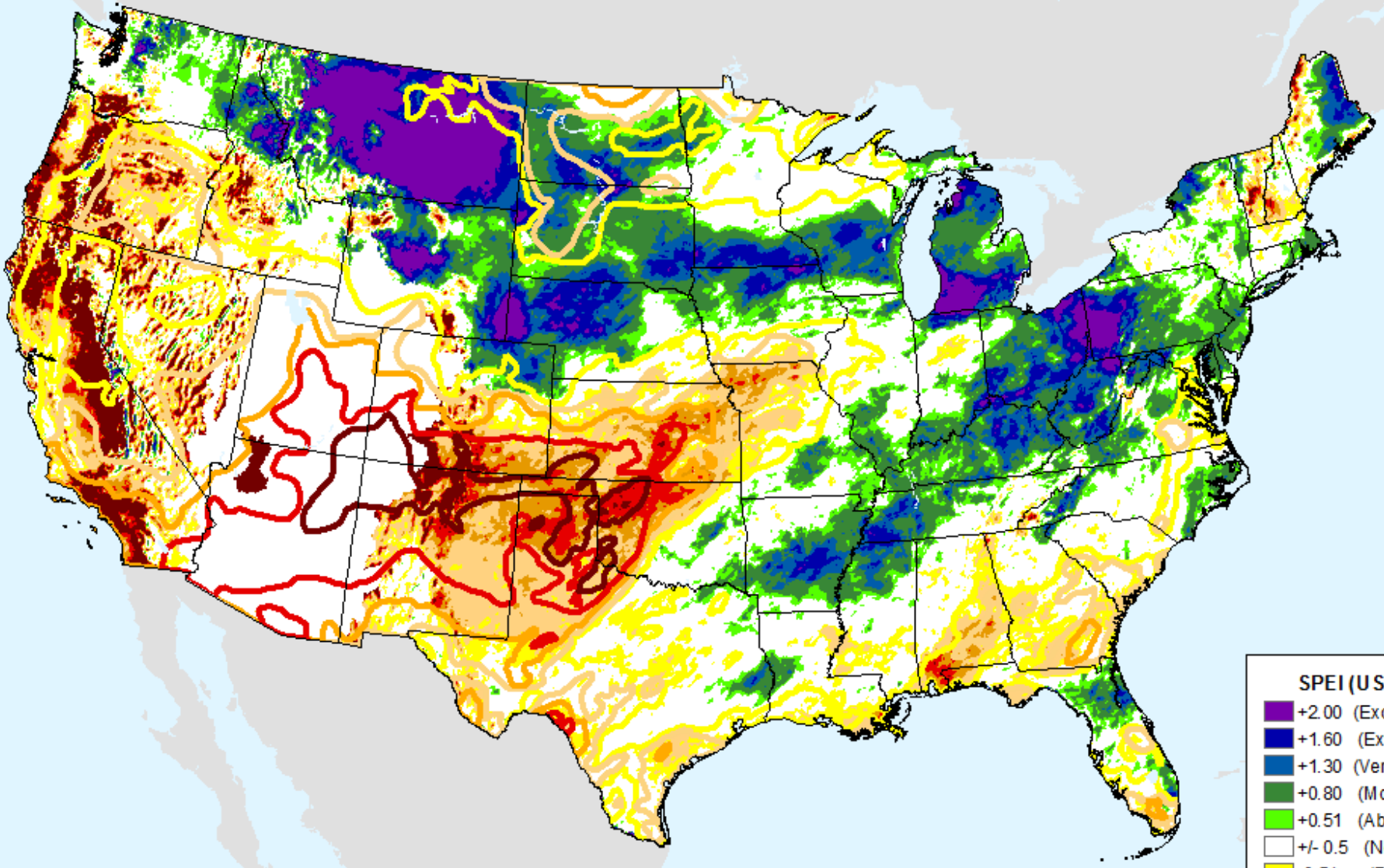
AHPS 3-month SPEI

As of: Wednesday, May 23, 2018



AHPS 6-month SPEI

As of: Wednesday, May 23, 2018



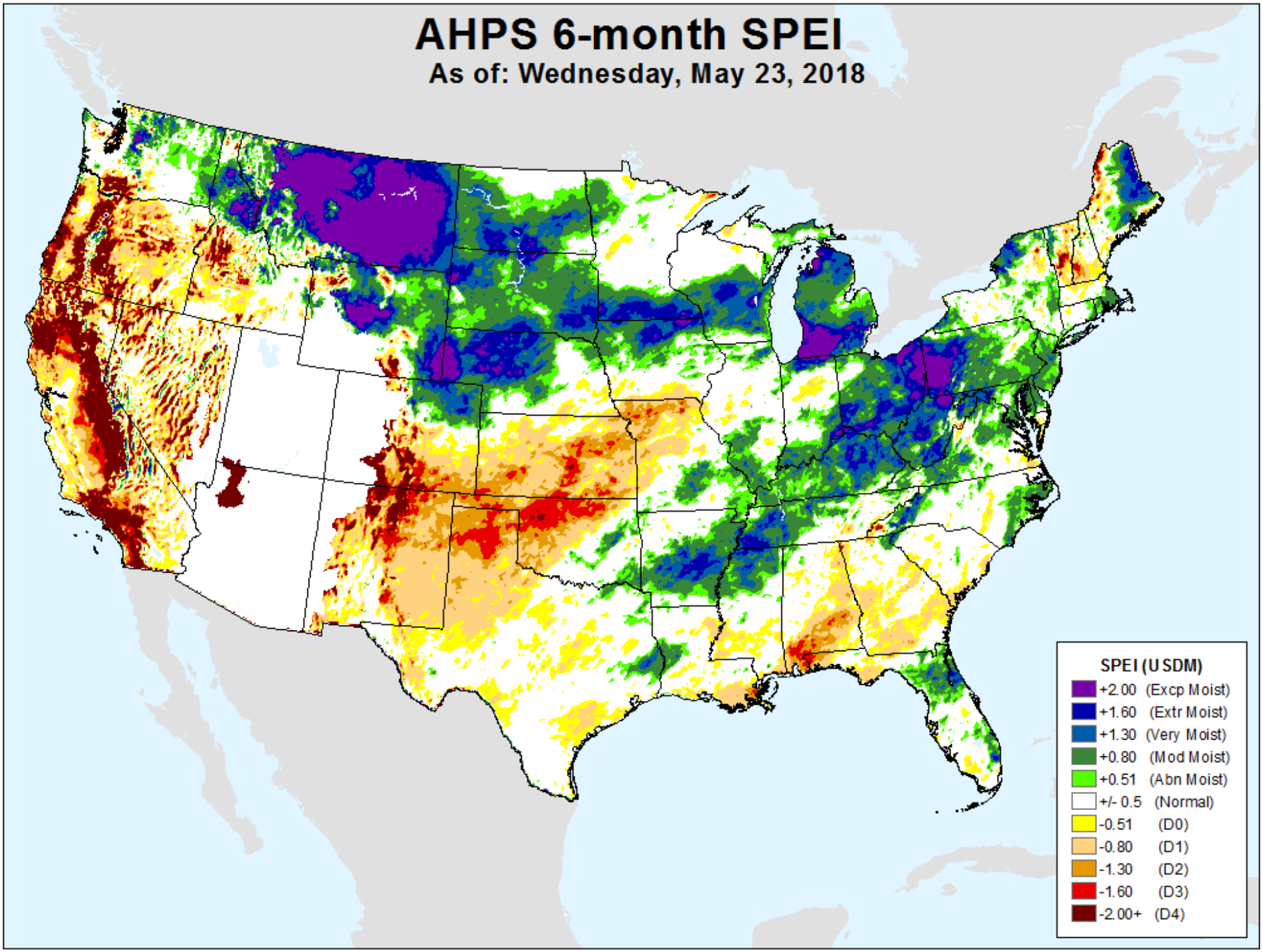
SPEI (USDM)

+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: May. 15, 2018

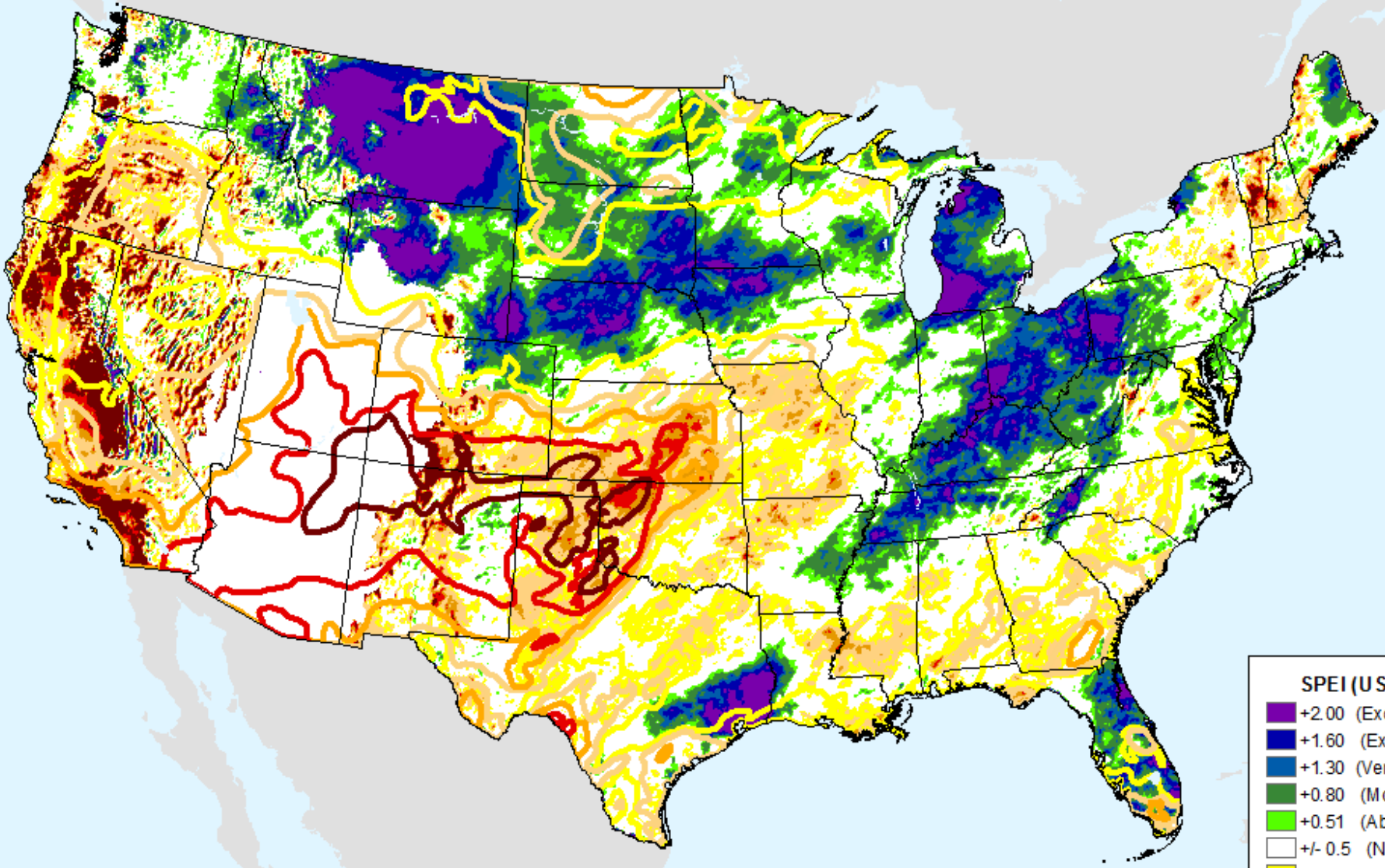
AHPS 6-month SPEI

As of: Wednesday, May 23, 2018



AHPS 9-month SPEI

As of: Wednesday, May 23, 2018



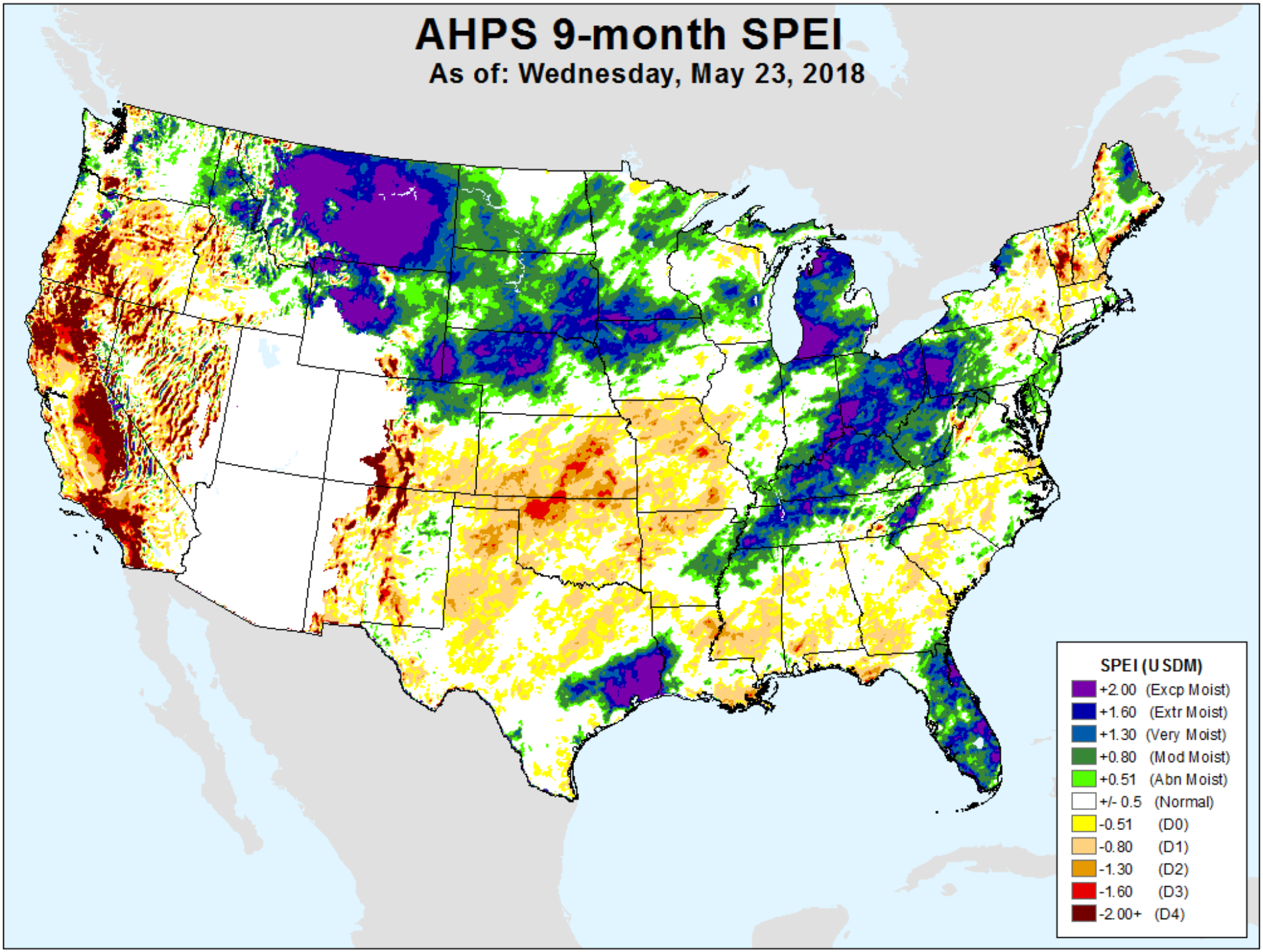
SPEI (USDM)

+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: May. 15, 2018

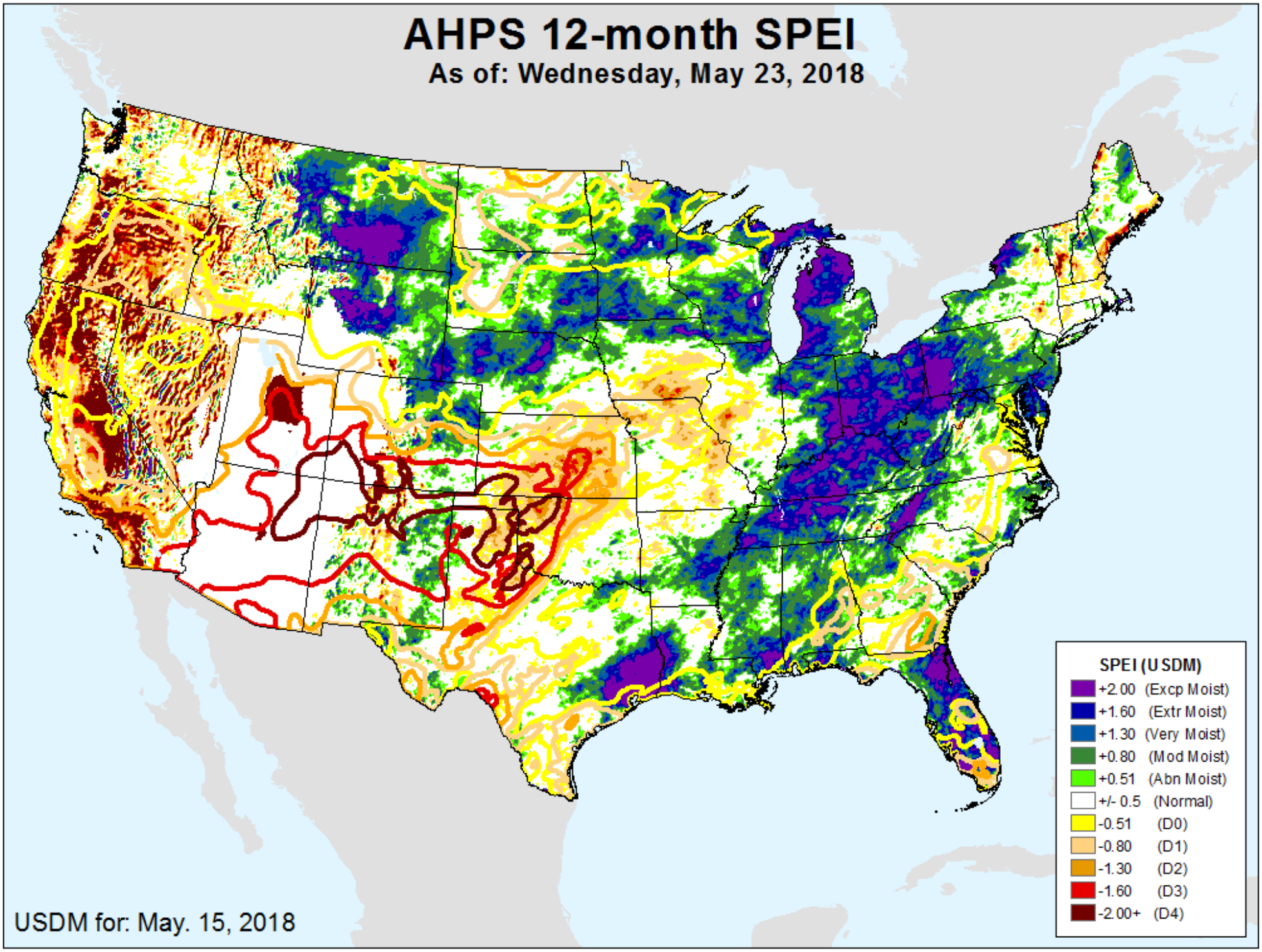
AHPS 9-month SPEI

As of: Wednesday, May 23, 2018



AHPS 12-month SPEI

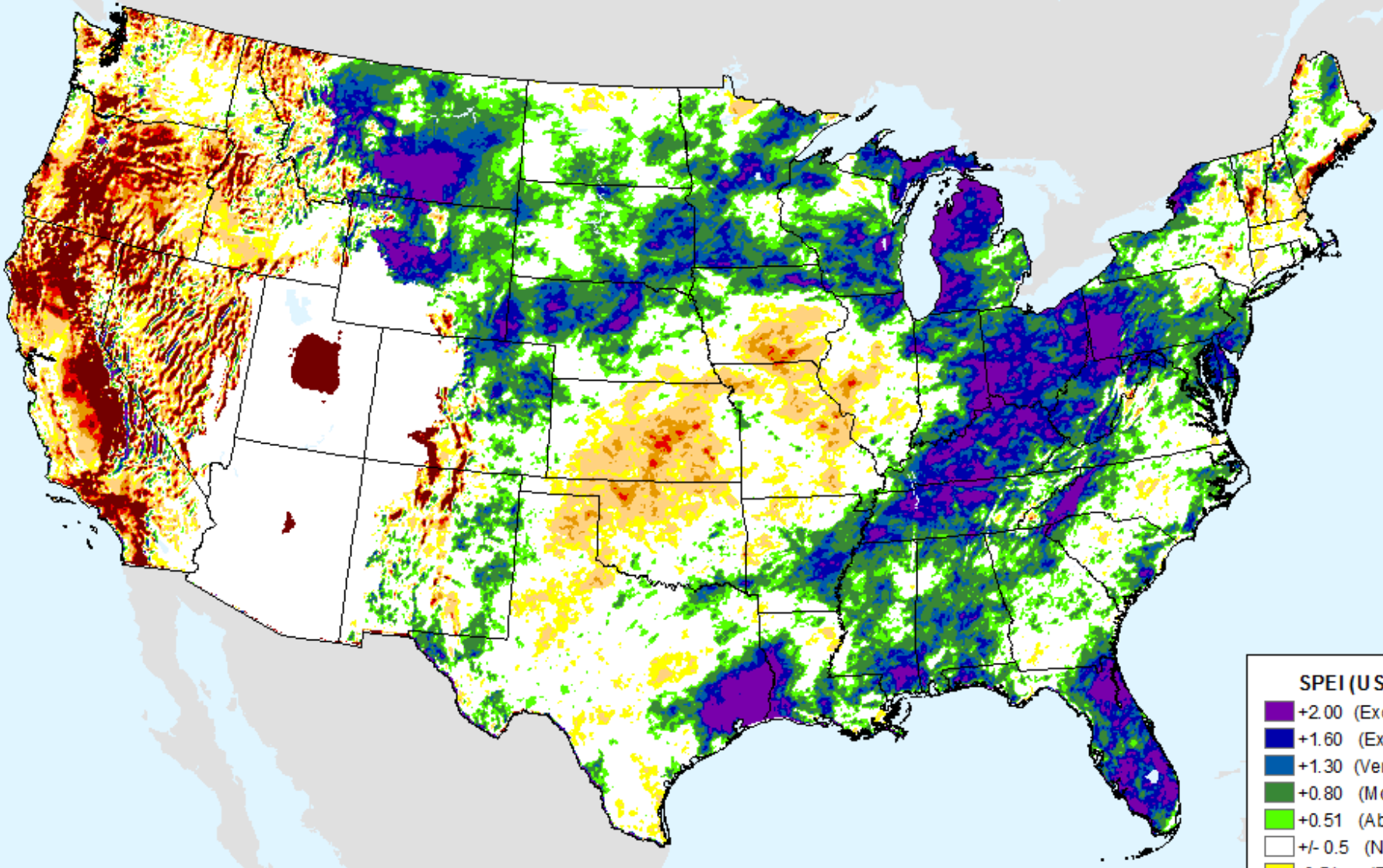
As of: Wednesday, May 23, 2018



USDM for: May. 15, 2018

AHPS 12-month SPEI

As of: Wednesday, May 23, 2018

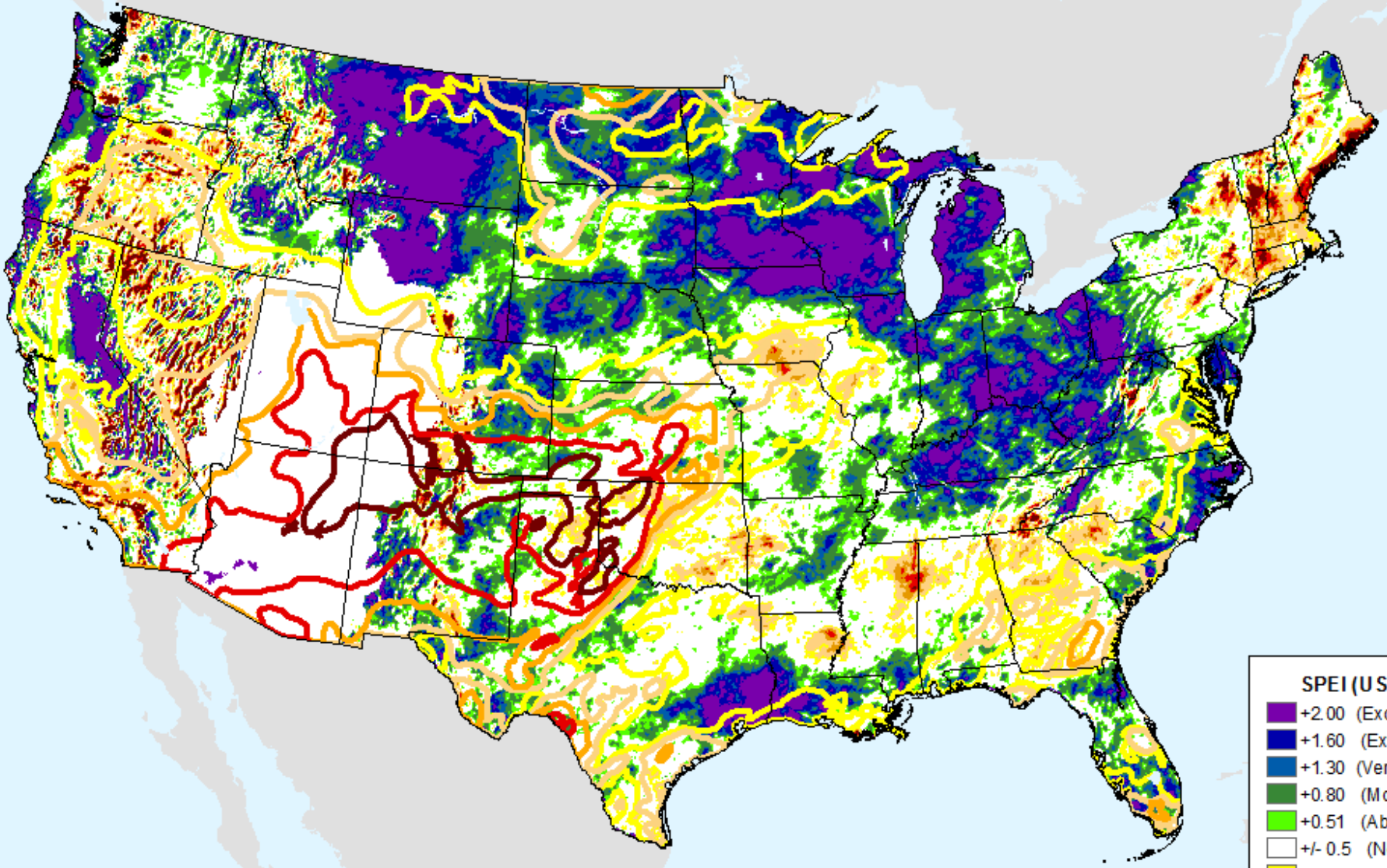


SPEI (USDM)

+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 24-month SPEI

As of: Wednesday, May 23, 2018



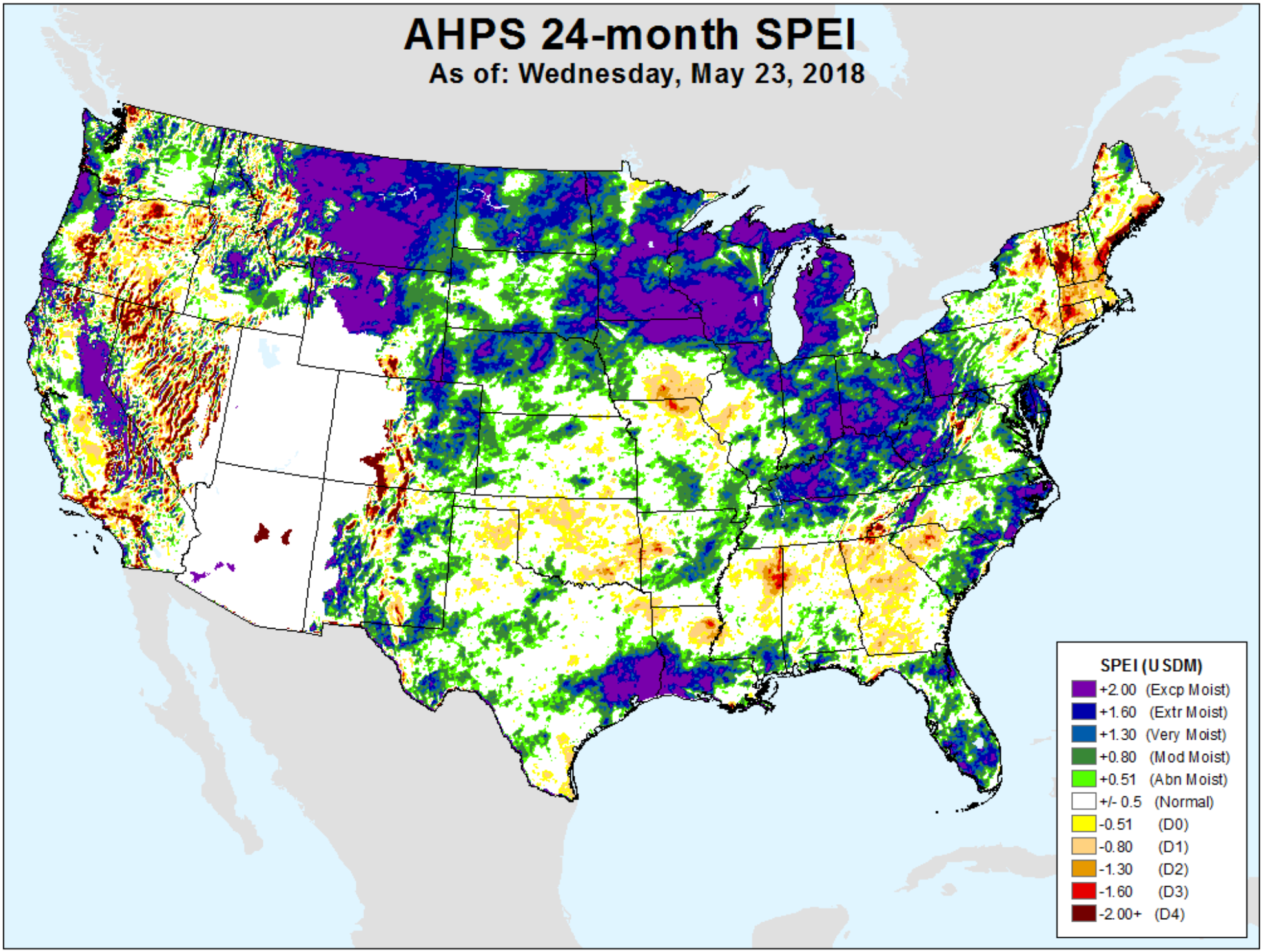
SPEI (USDM)

+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: May. 15, 2018

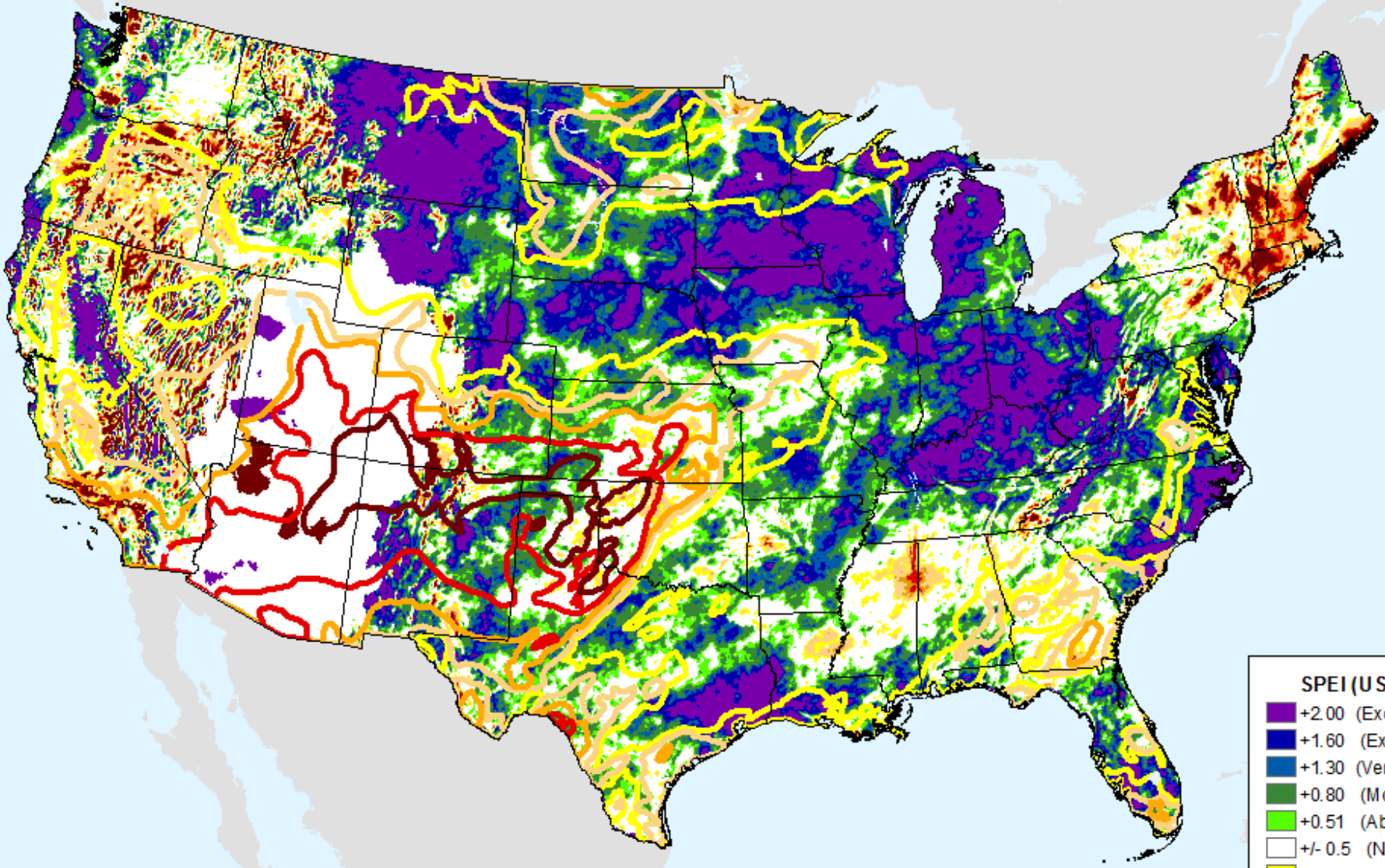
AHPS 24-month SPEI

As of: Wednesday, May 23, 2018



AHPS 36-month SPEI

As of: Wednesday, May 23, 2018



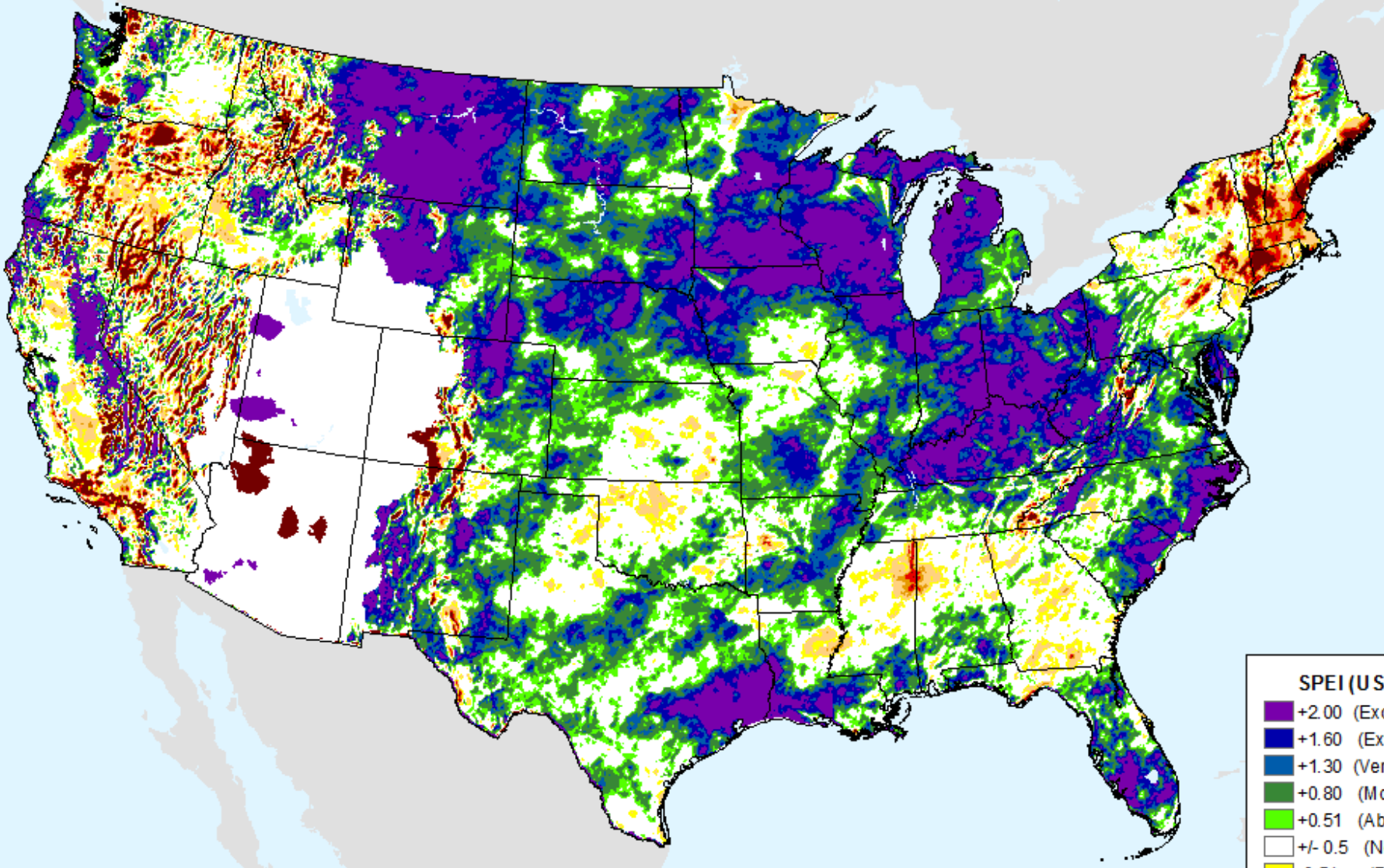
SPEI (USDM)

+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: May. 15, 2018

AHPS 36-month SPEI

As of: Wednesday, May 23, 2018

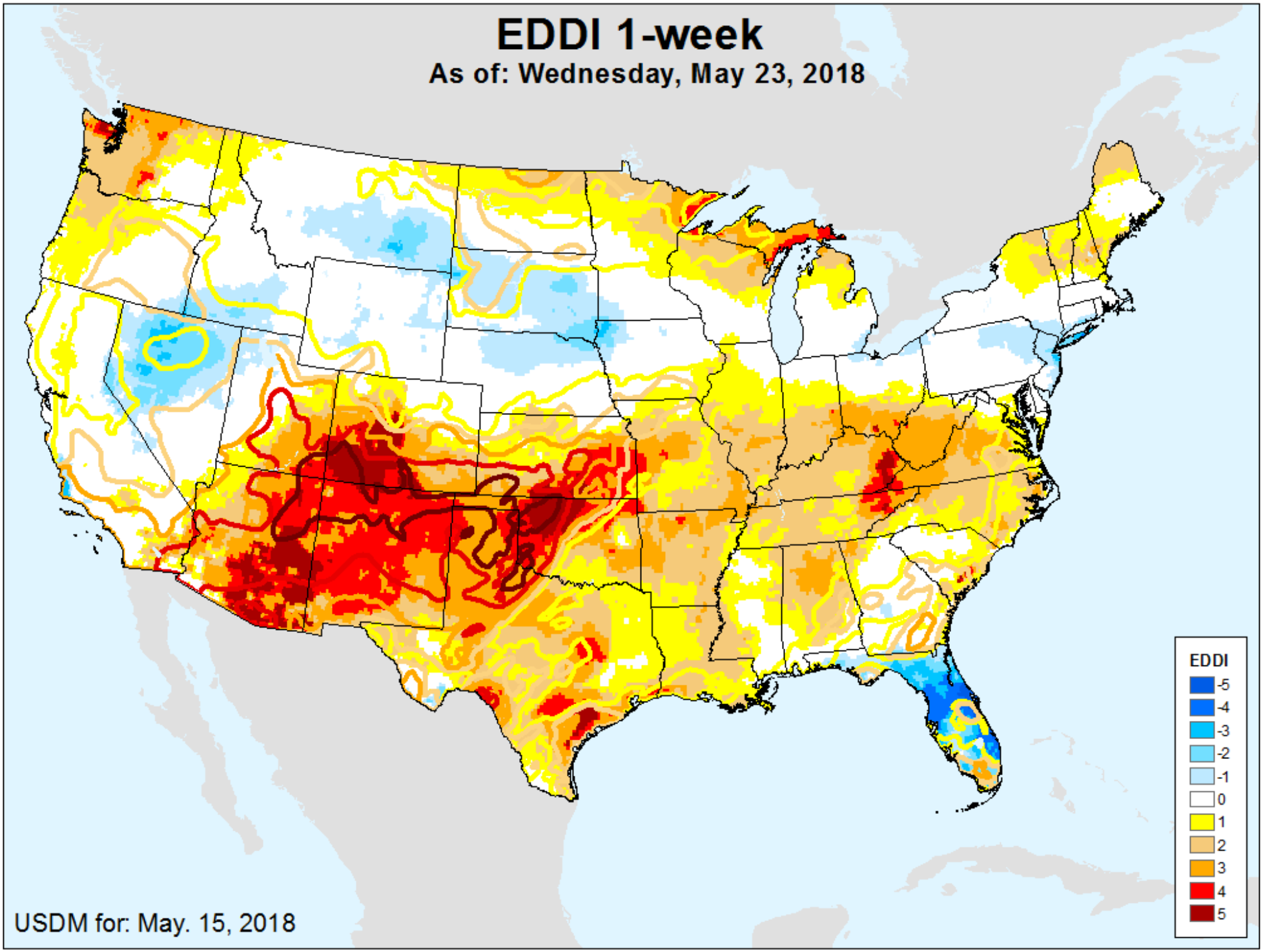


SPEI (USDM)

+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)

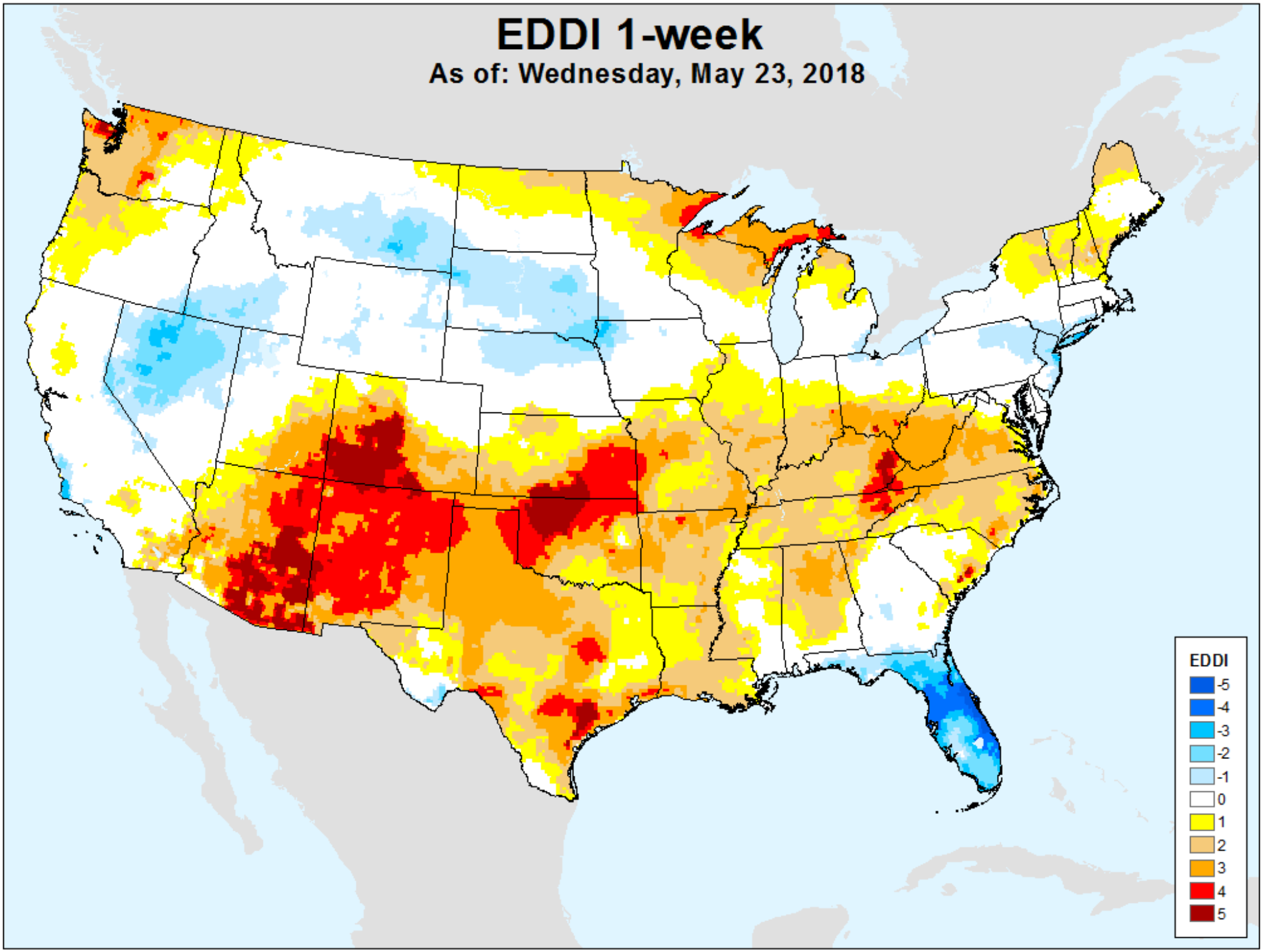
EDDI 1-week

As of: Wednesday, May 23, 2018



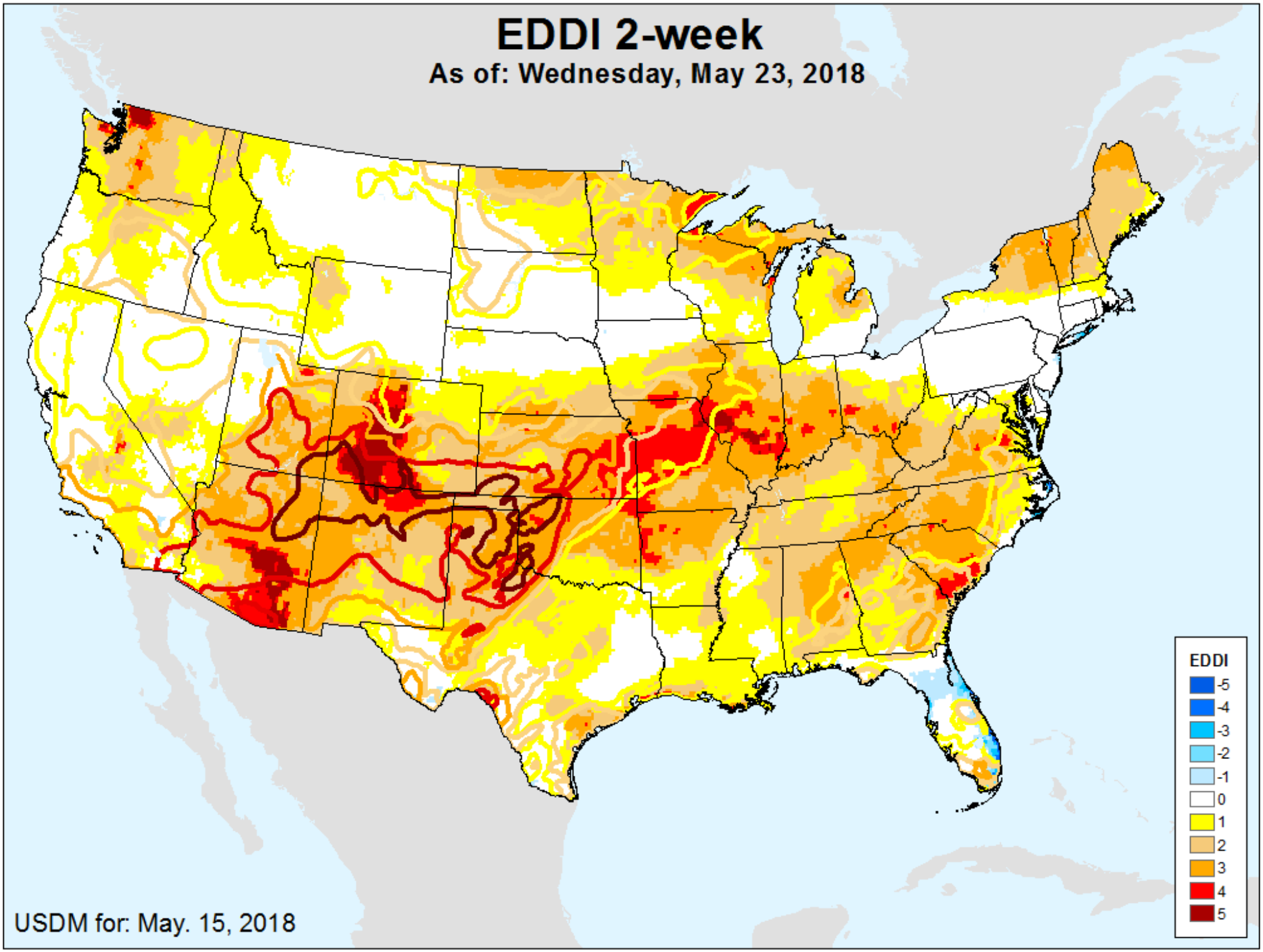
EDDI 1-week

As of: Wednesday, May 23, 2018



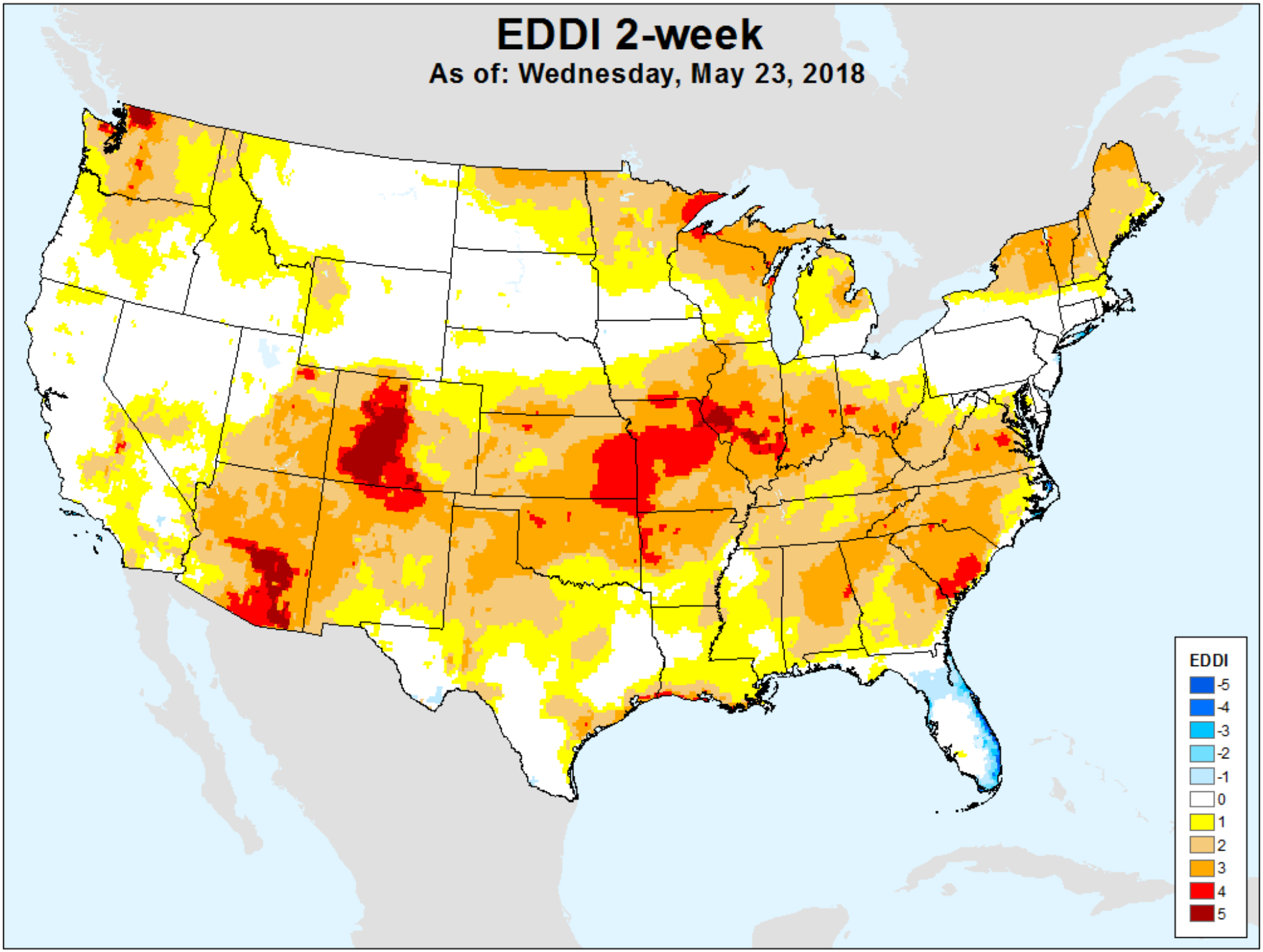
EDDI 2-week

As of: Wednesday, May 23, 2018



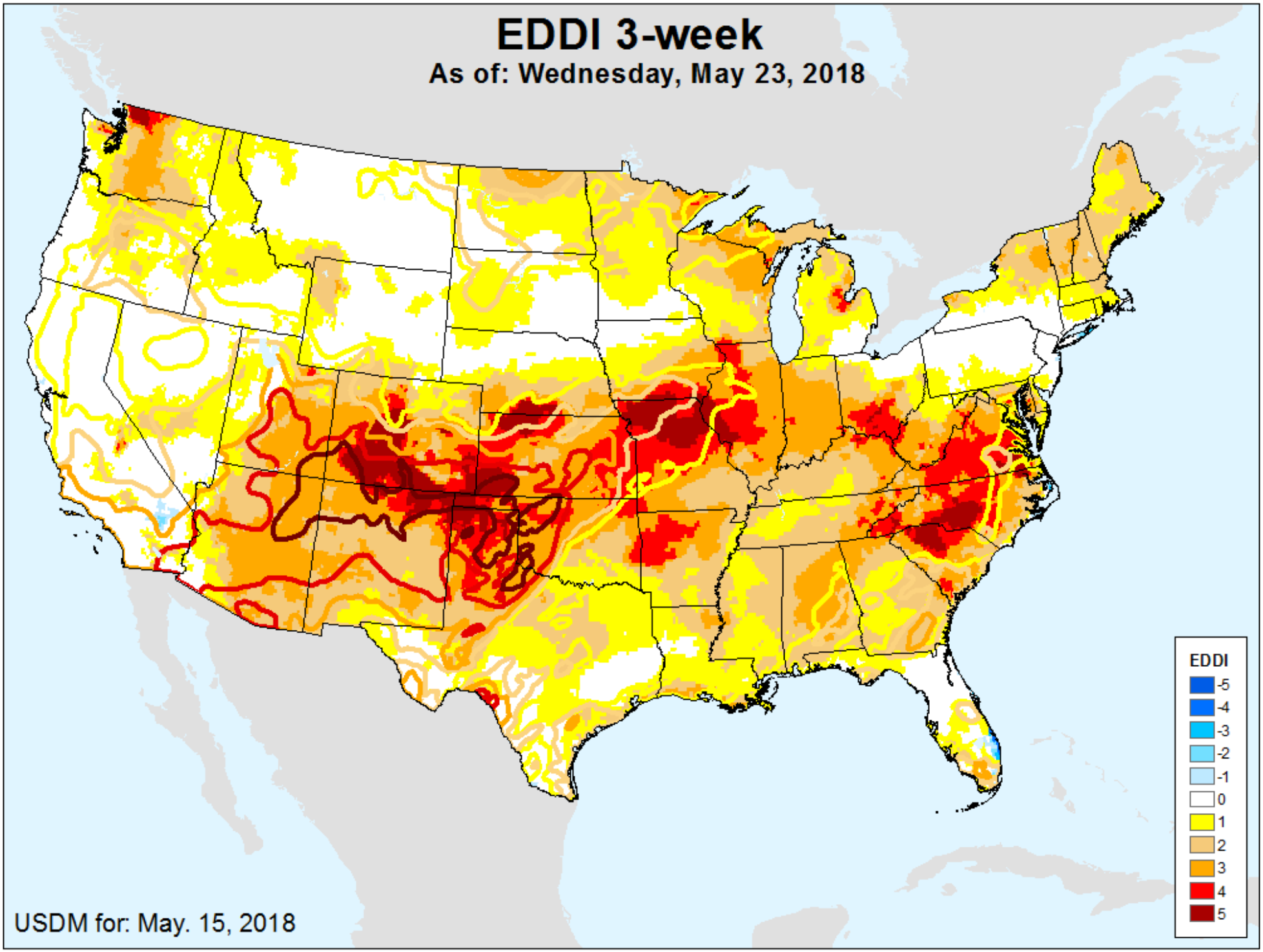
EDDI 2-week

As of: Wednesday, May 23, 2018



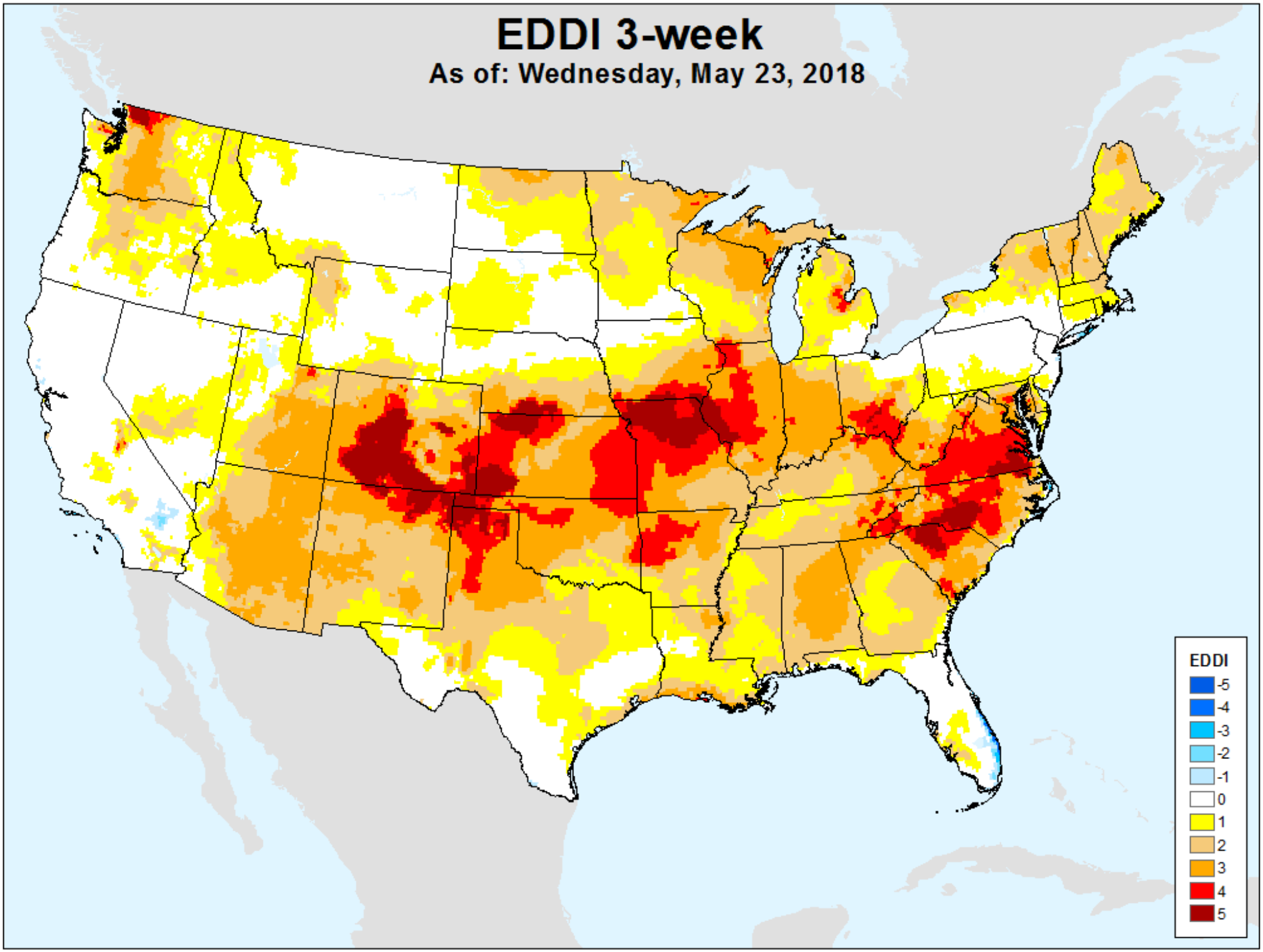
EDDI 3-week

As of: Wednesday, May 23, 2018



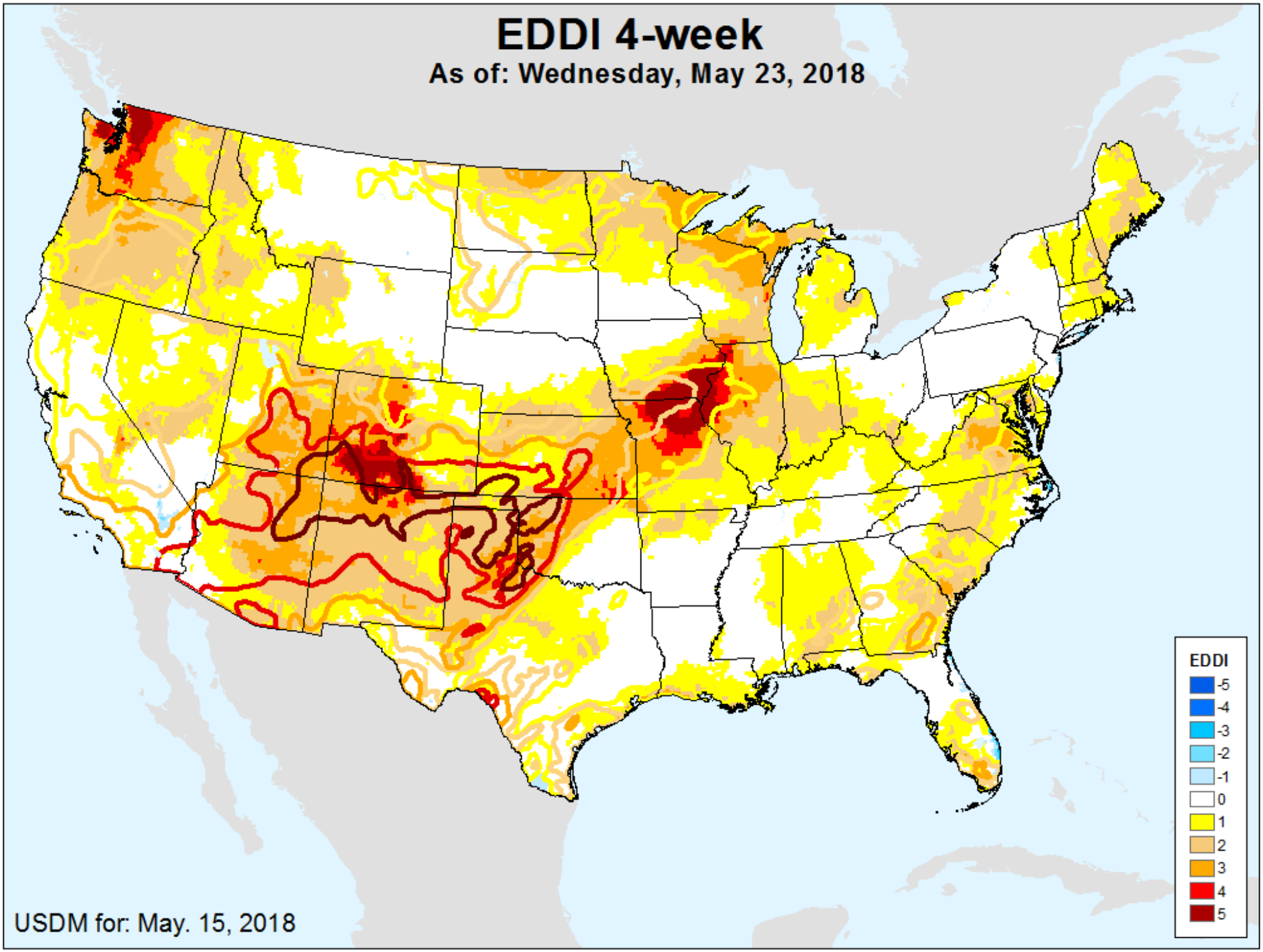
EDDI 3-week

As of: Wednesday, May 23, 2018



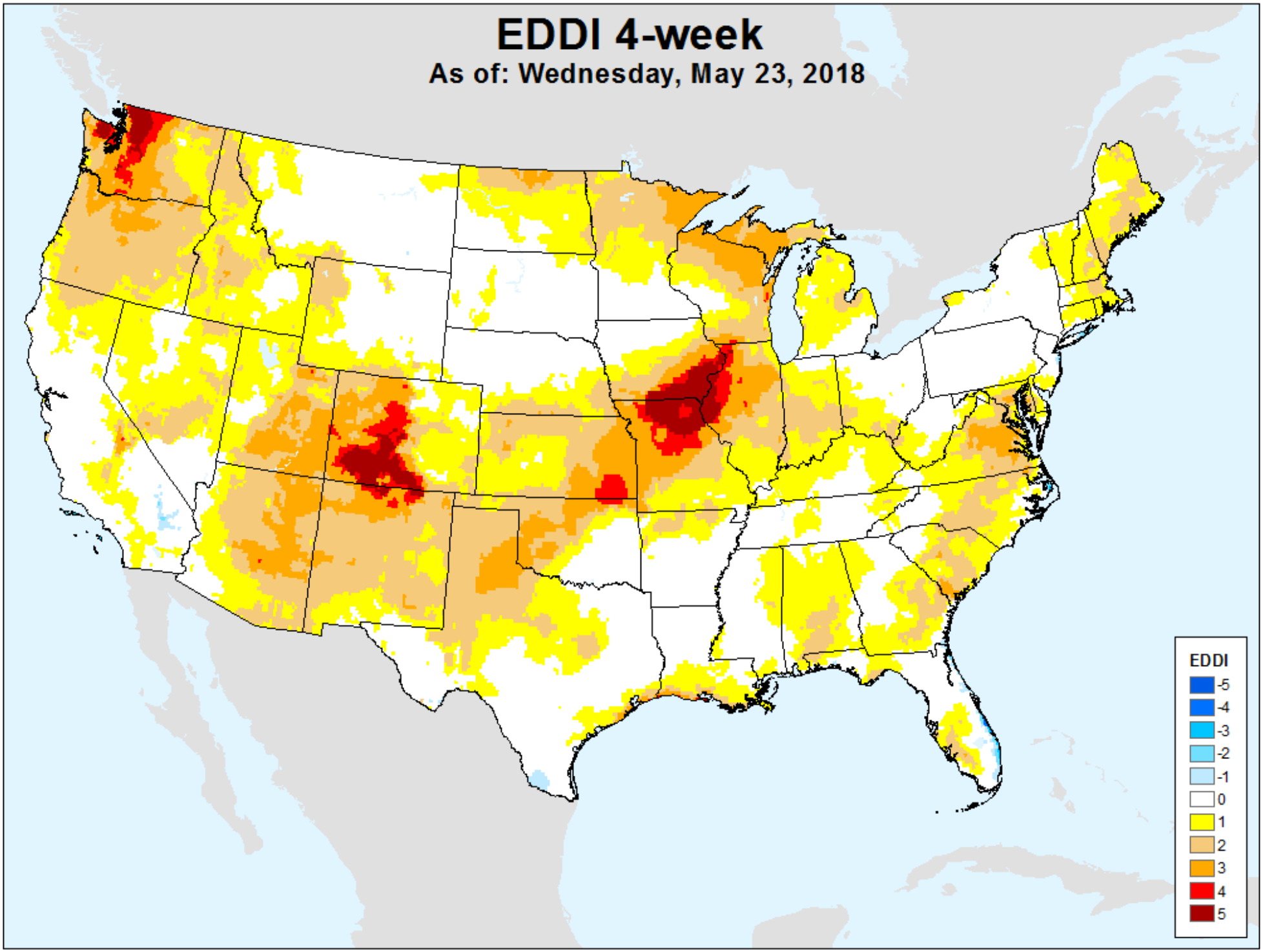
EDDI 4-week

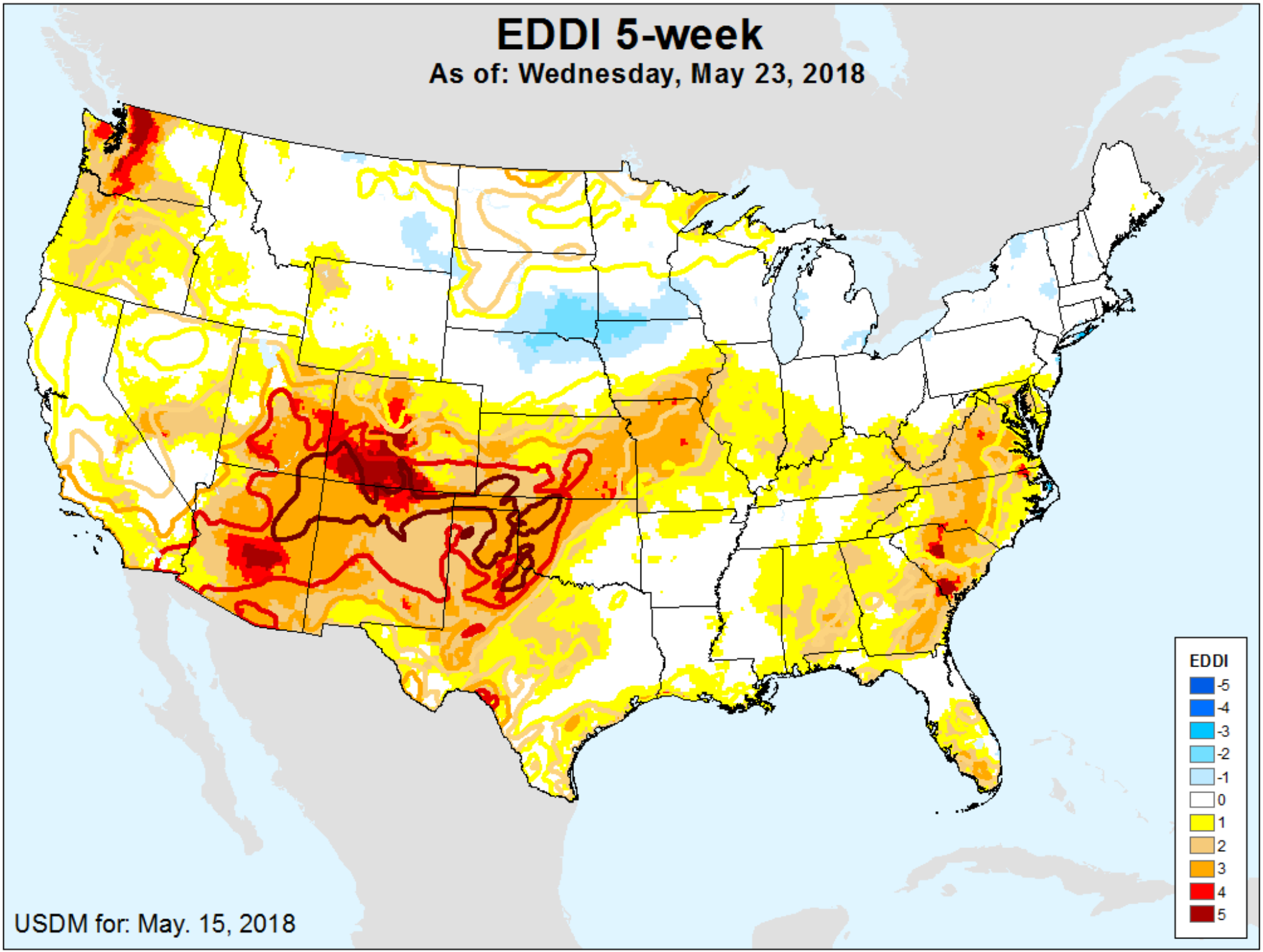
As of: Wednesday, May 23, 2018



EDDI 4-week

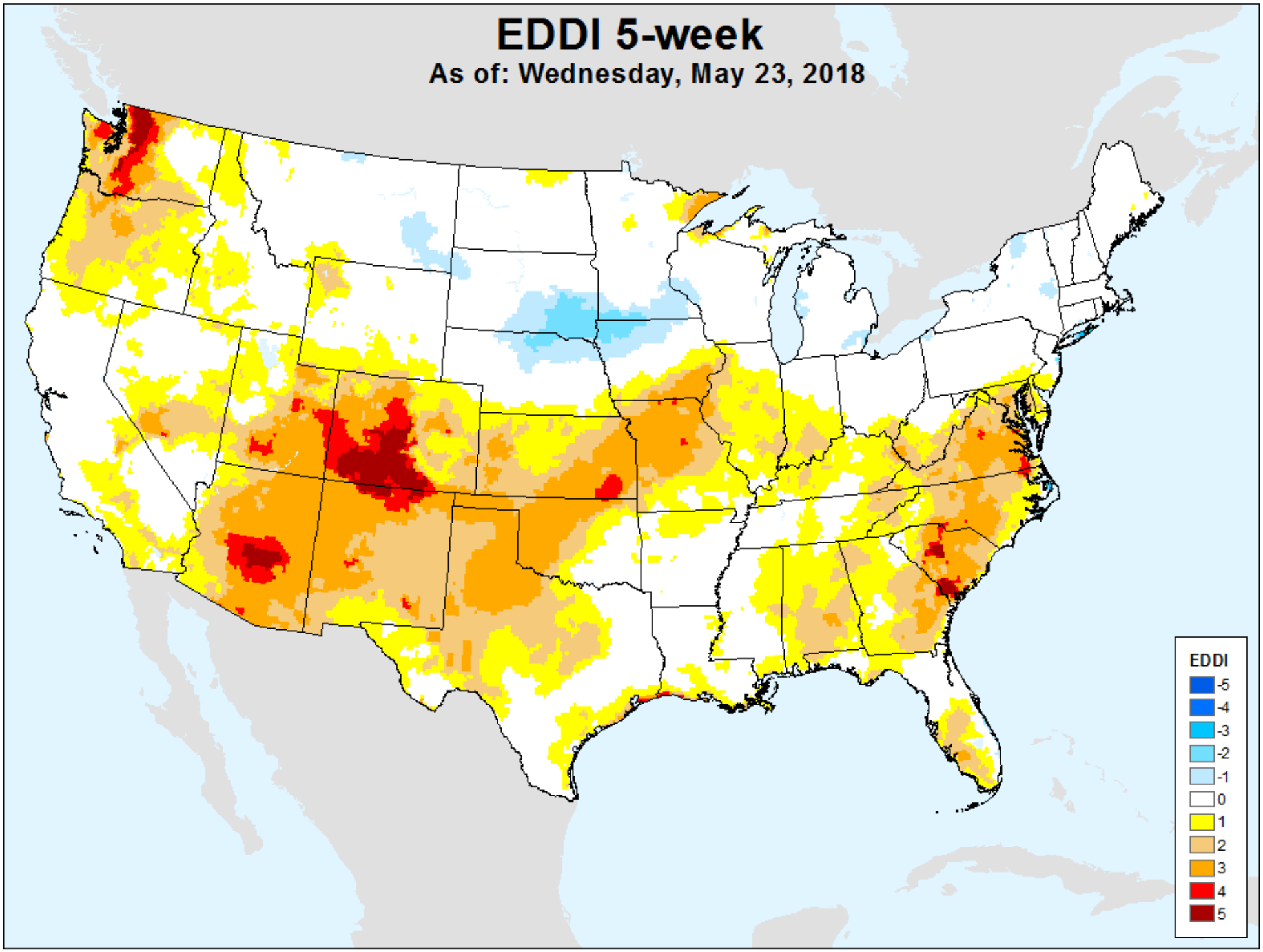
As of: Wednesday, May 23, 2018




EDDI 5-week
As of: Wednesday, May 23, 2018
EDDI
-5
-4
-3
-2
-1
0
1
2
3
4
5
USDM for: May. 15, 2018

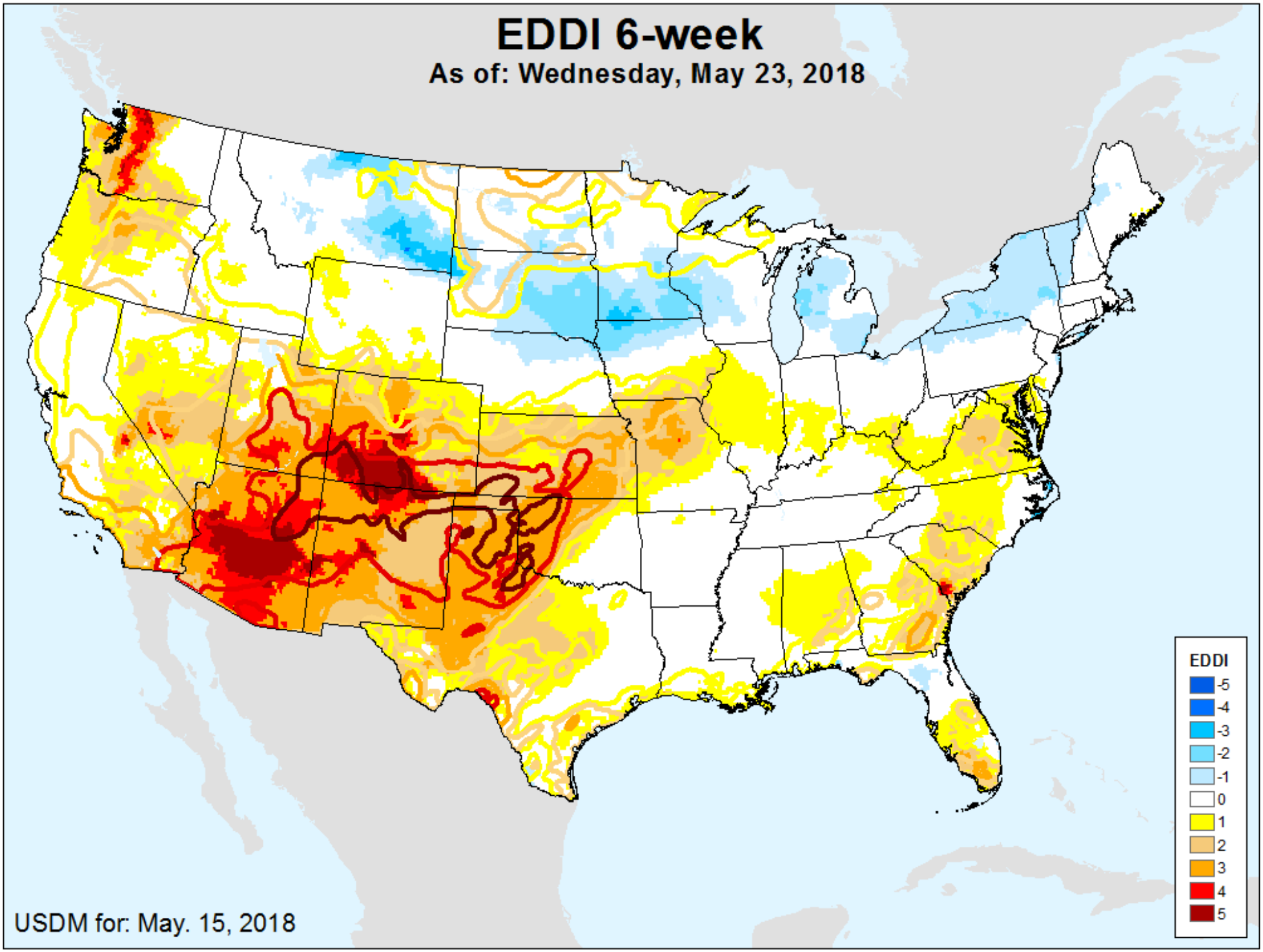
EDDI 5-week

As of: Wednesday, May 23, 2018



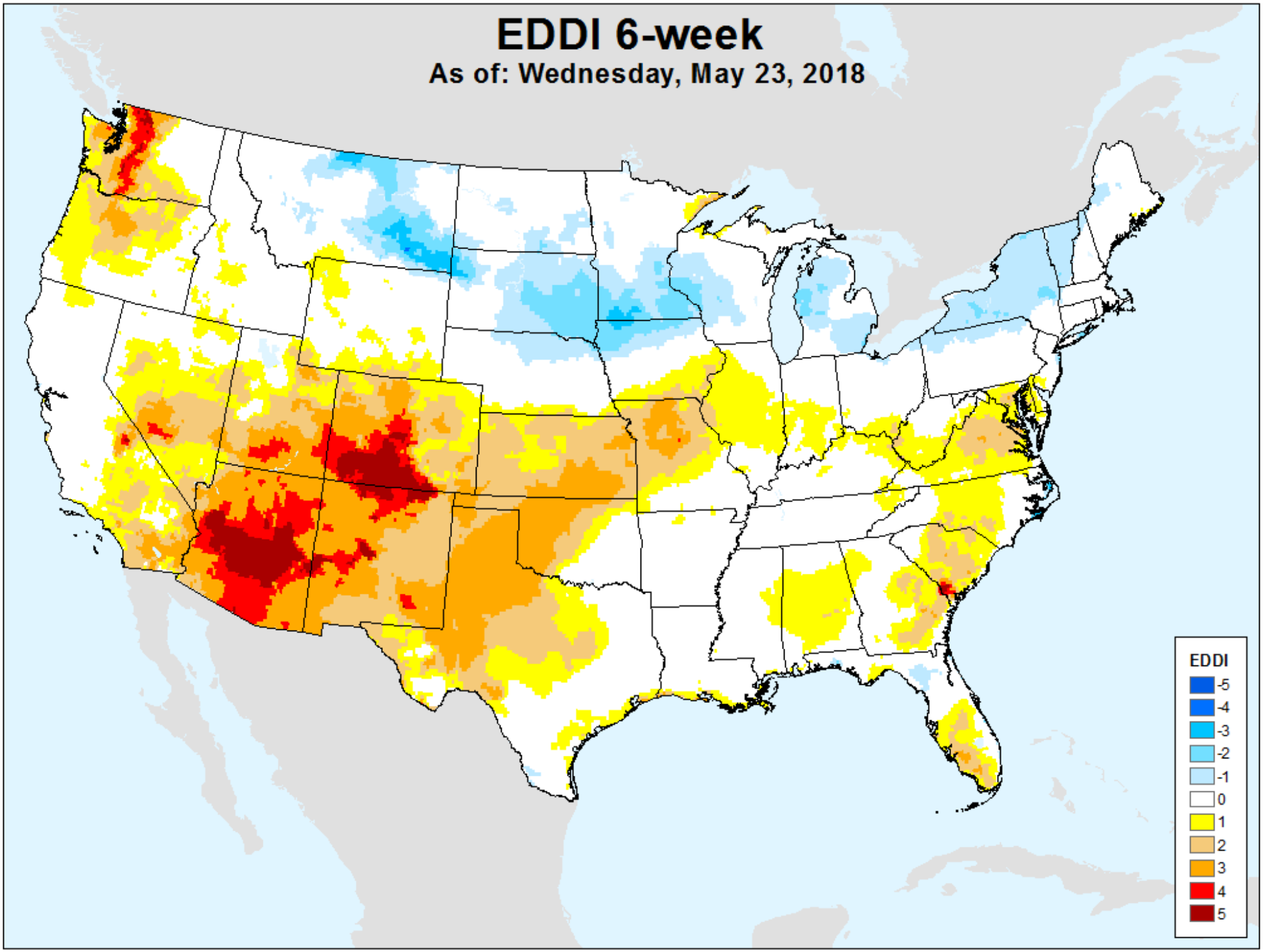
EDDI 6-week

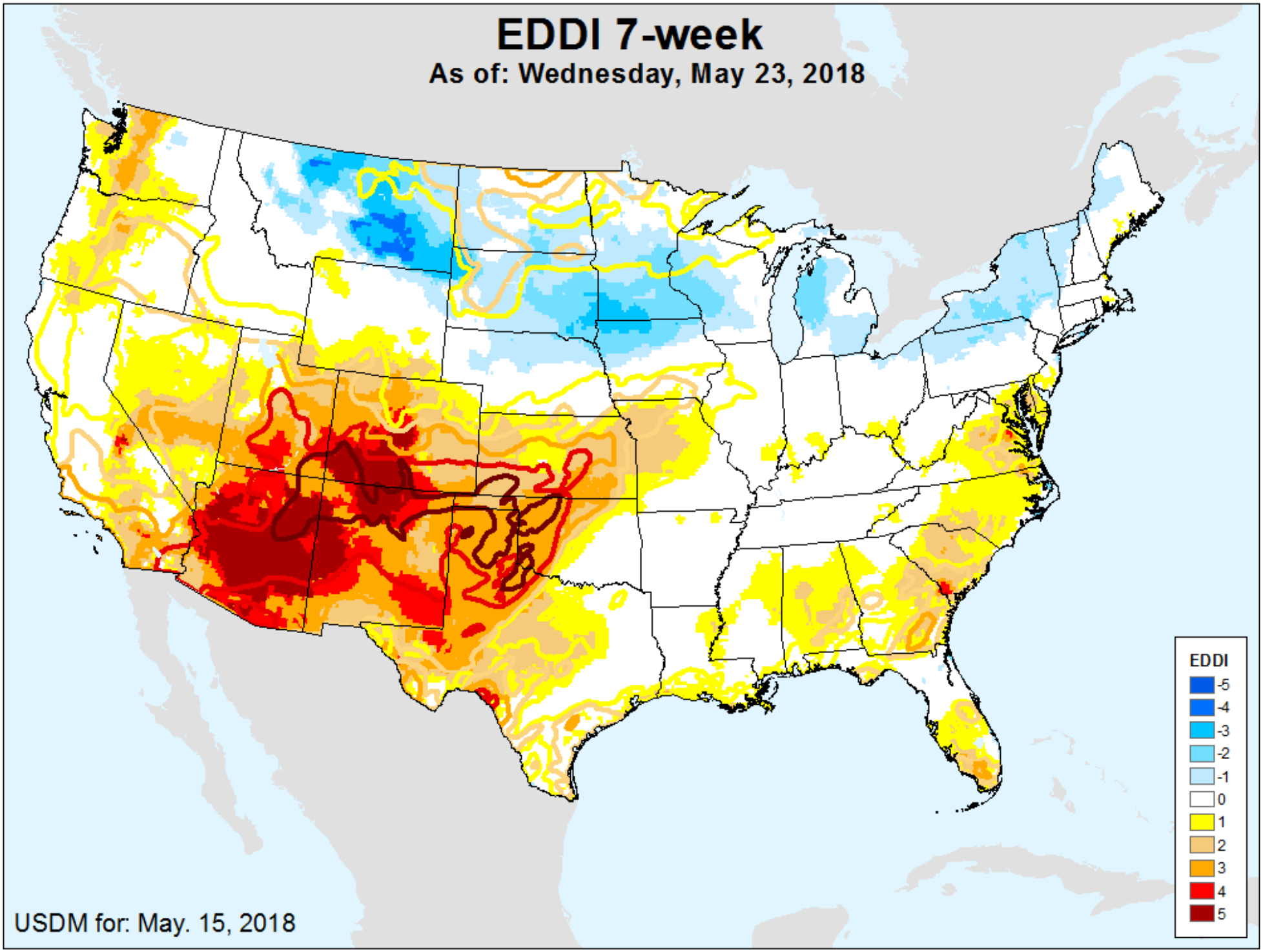
As of: Wednesday, May 23, 2018



EDDI 6-week

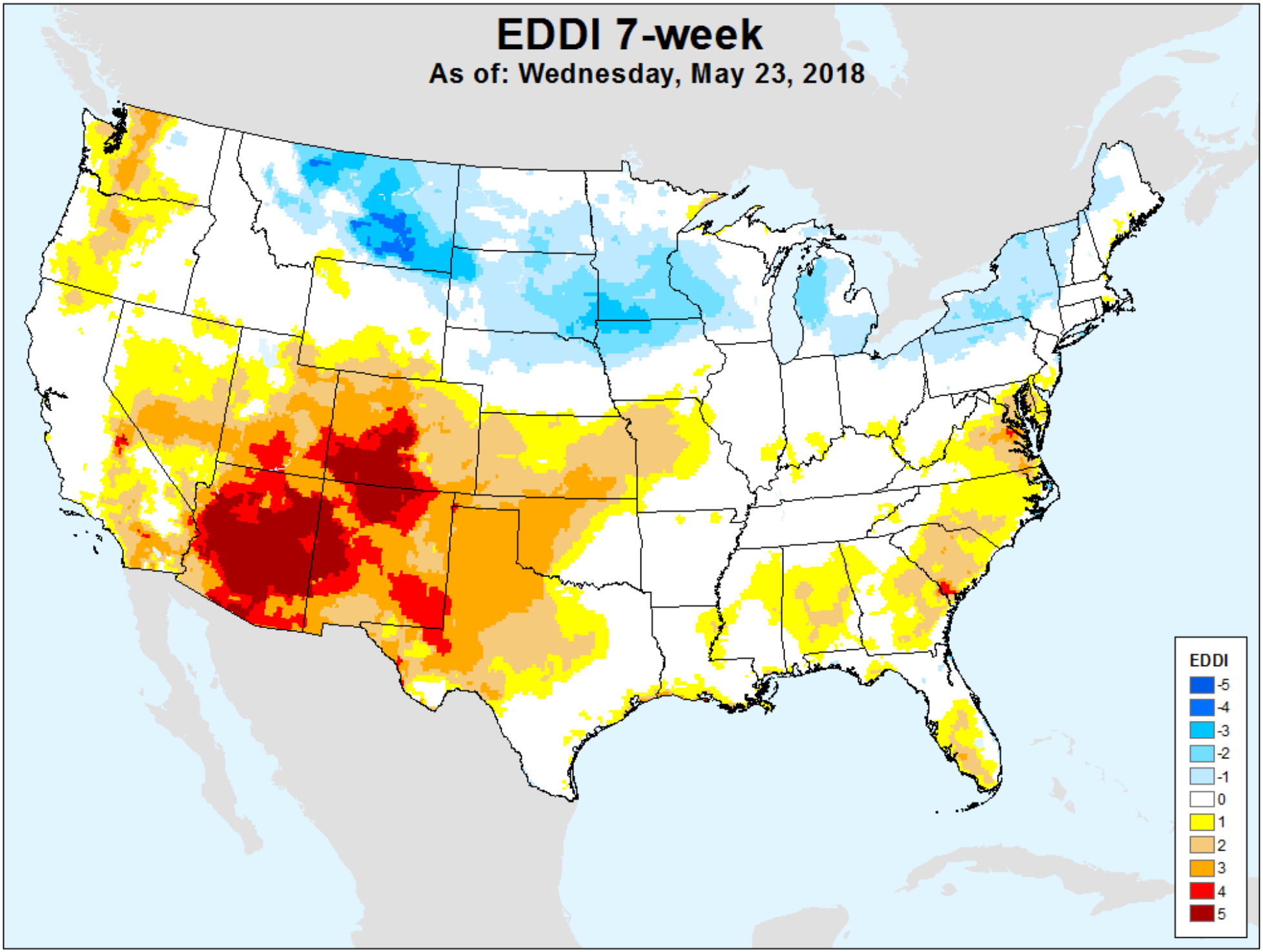
As of: Wednesday, May 23, 2018




EDDI 7-week
As of: Wednesday, May 23, 2018
EDDI
-5
-4
-3
-2
-1
0
1
2
3
4
5
USDM for: May. 15, 2018

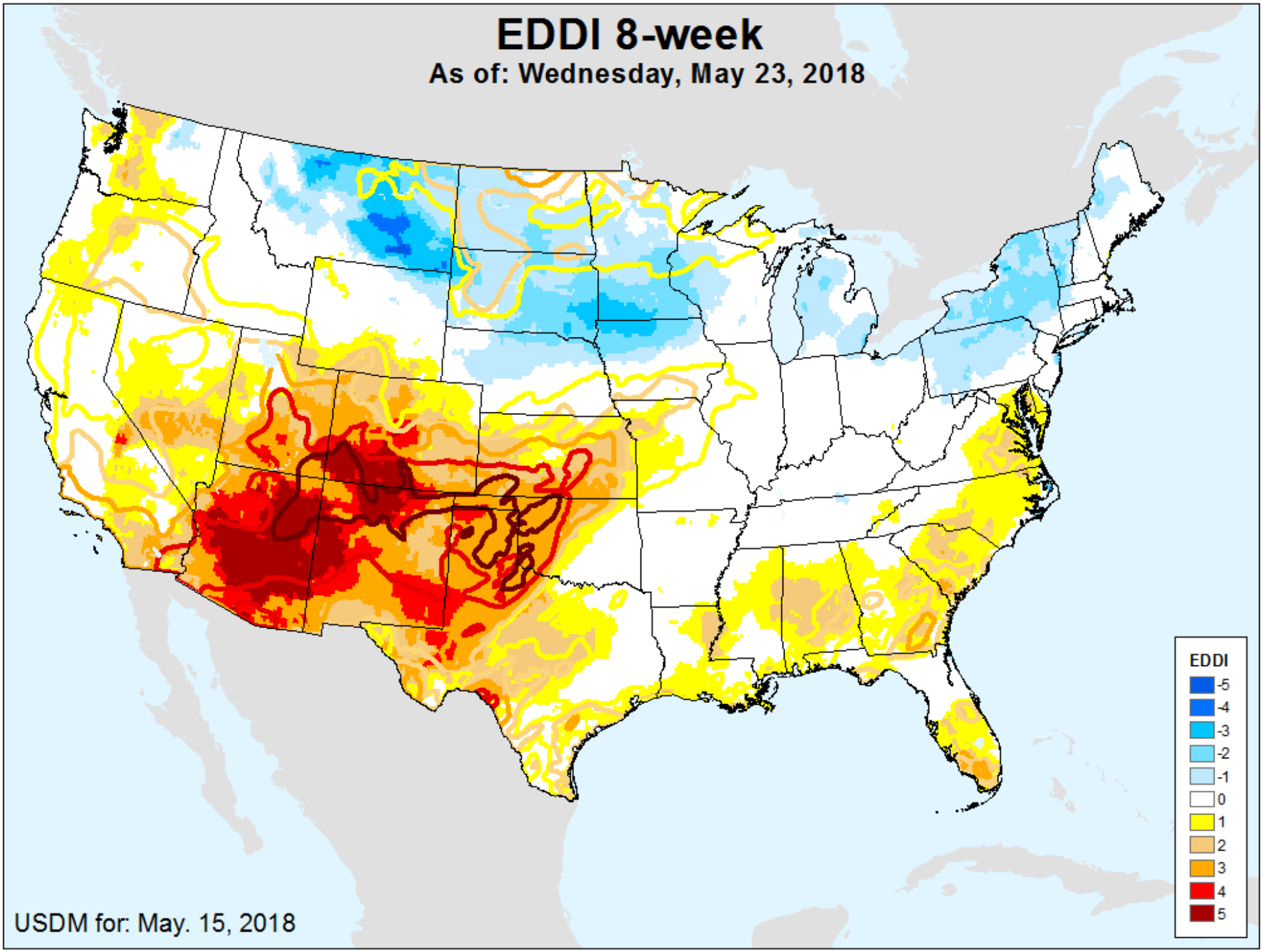
EDDI 7-week

As of: Wednesday, May 23, 2018



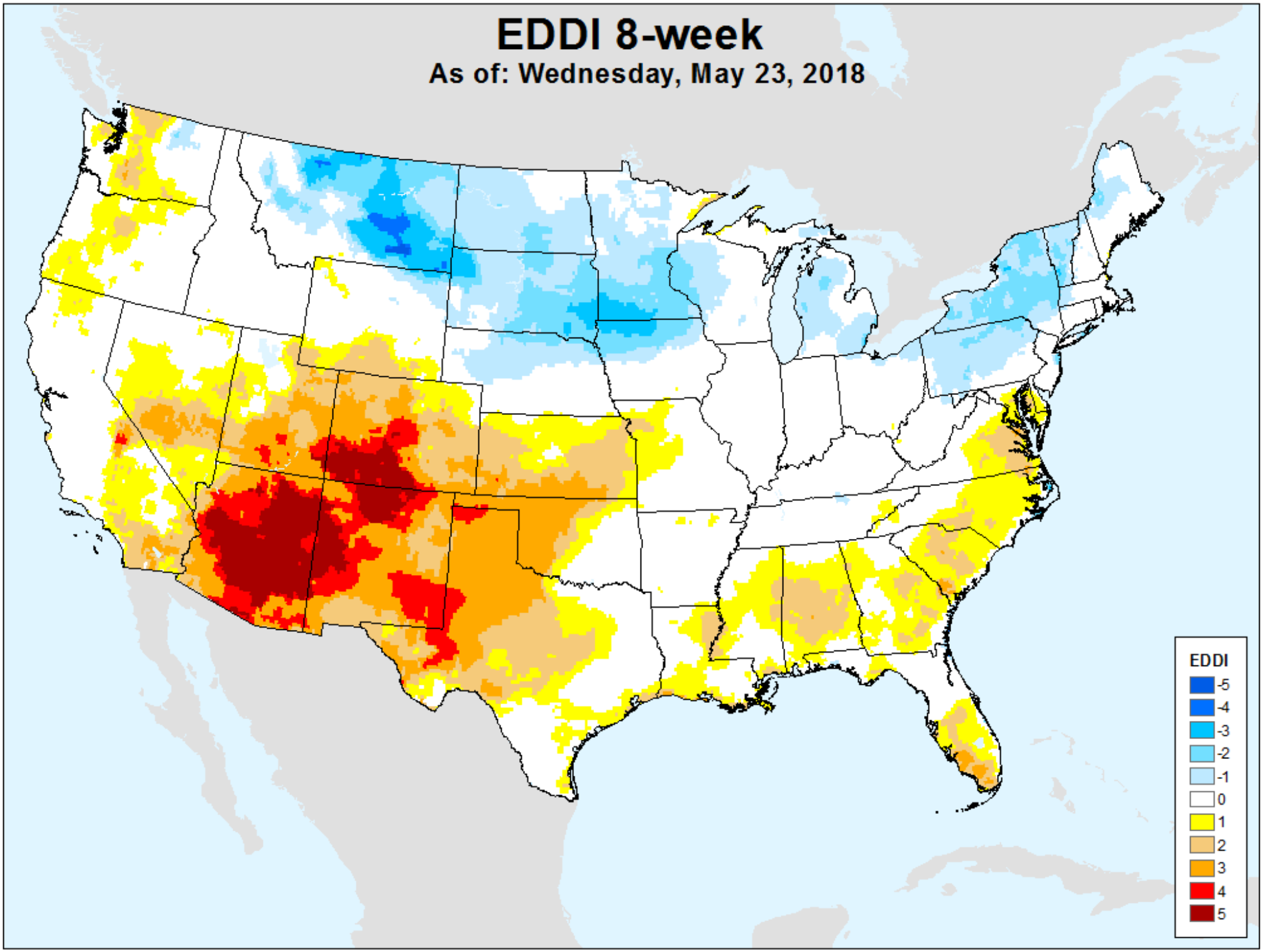
EDDI 8-week

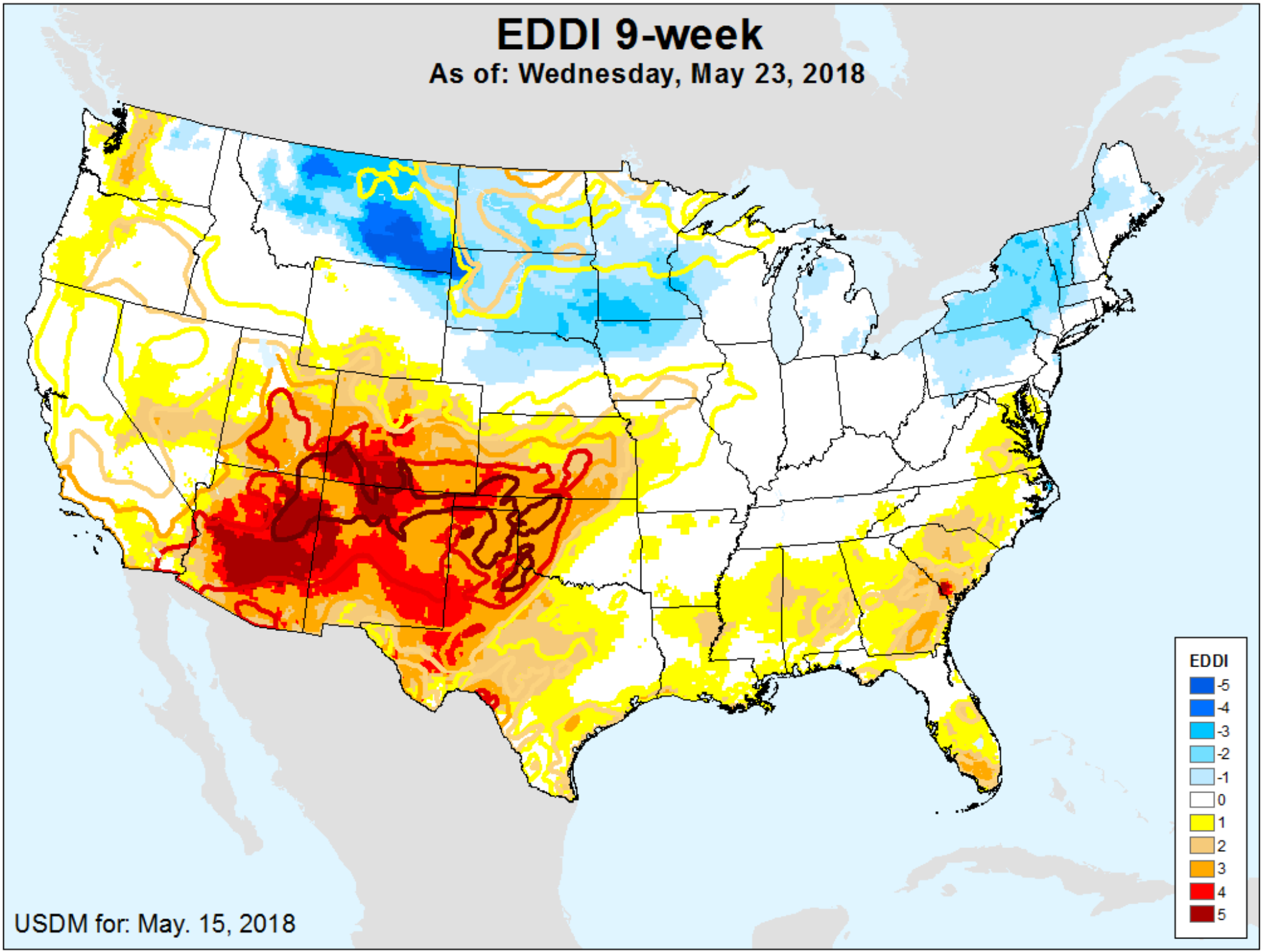
As of: Wednesday, May 23, 2018



EDDI 8-week

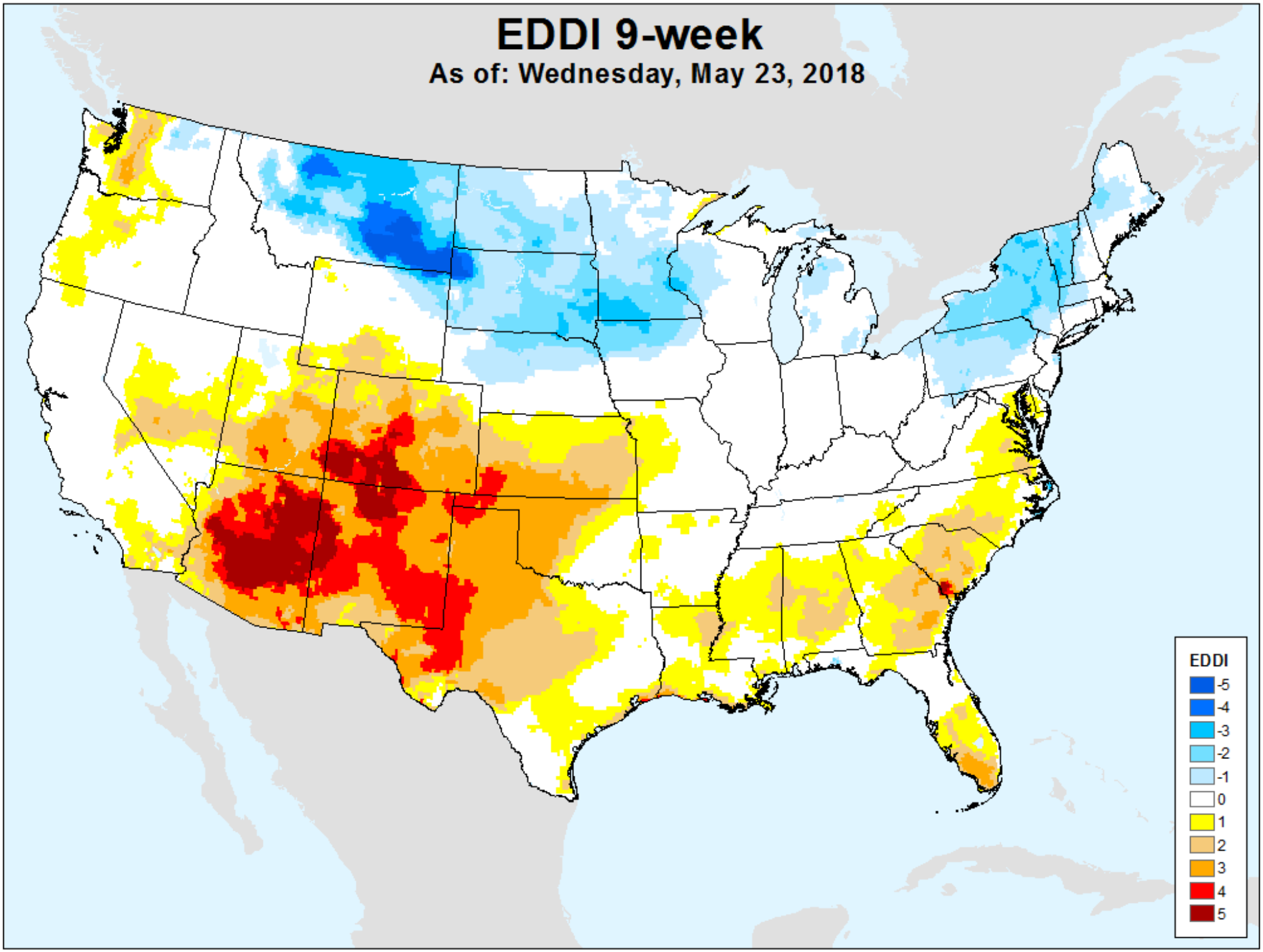
As of: Wednesday, May 23, 2018

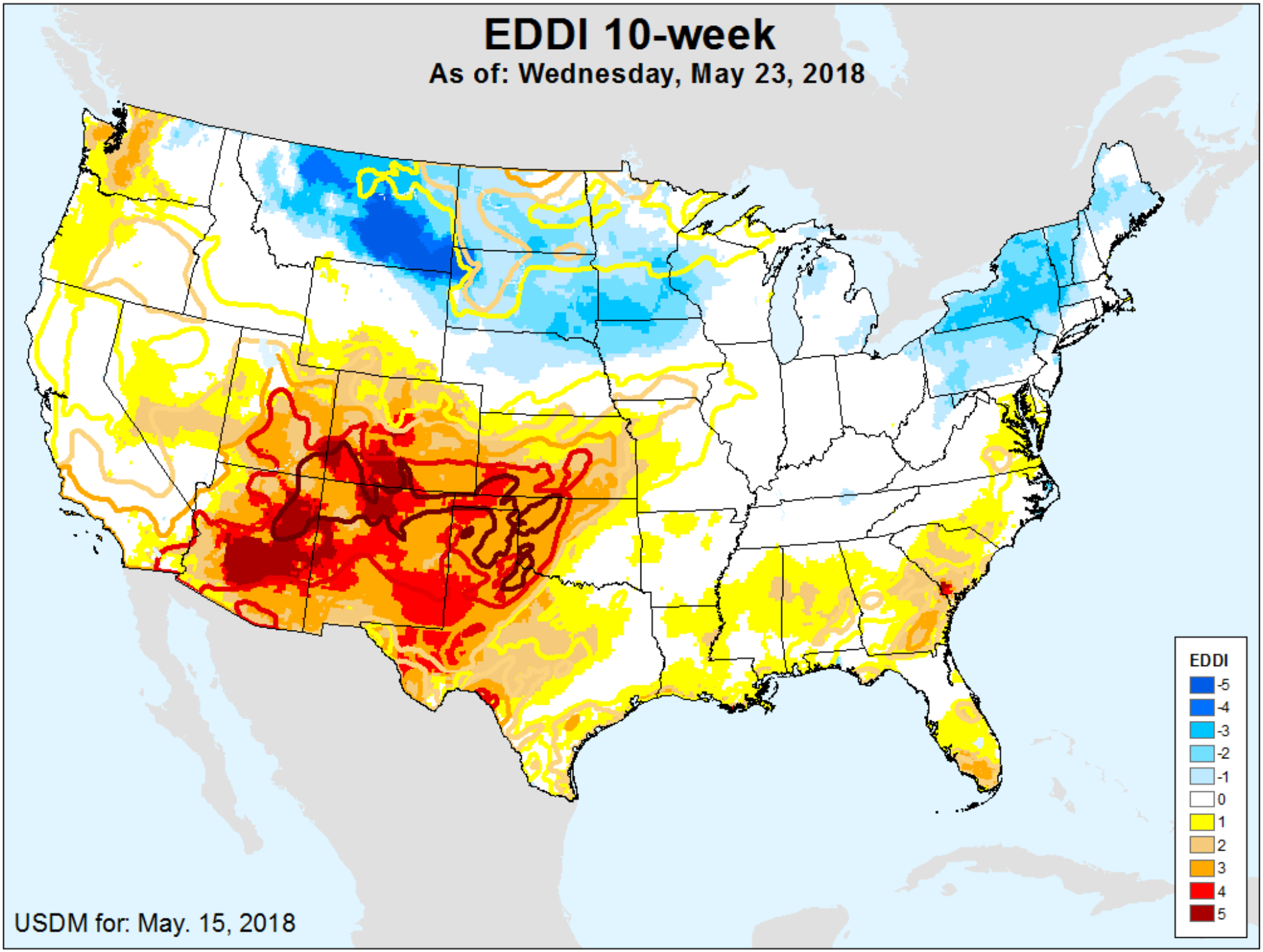



EDDI 9-week
As of: Wednesday, May 23, 2018
EDDI
-5
-4
-3
-2
-1
0
1
2
3
4
5
USDM for: May. 15, 2018

EDDI 9-week

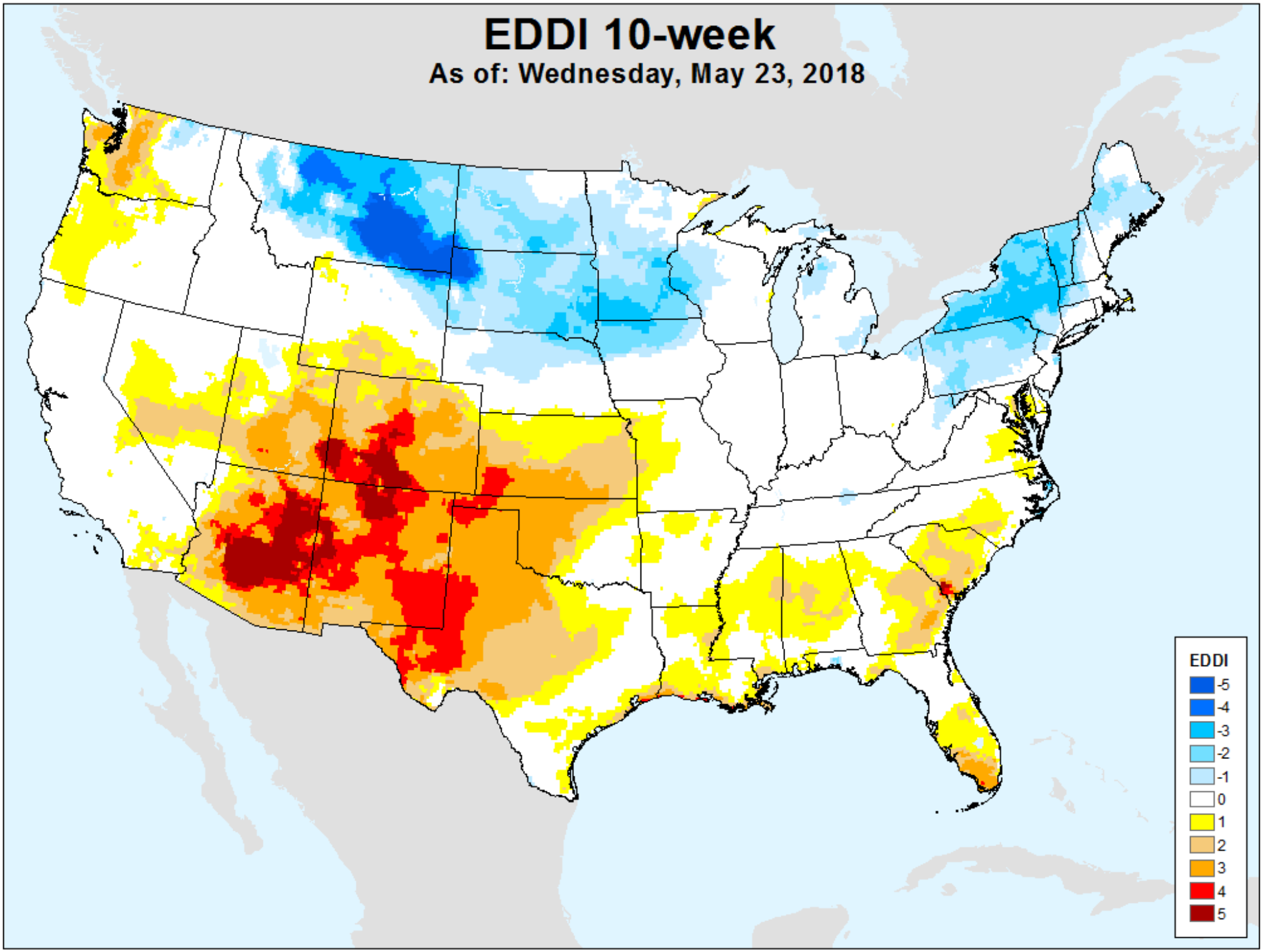
As of: Wednesday, May 23, 2018

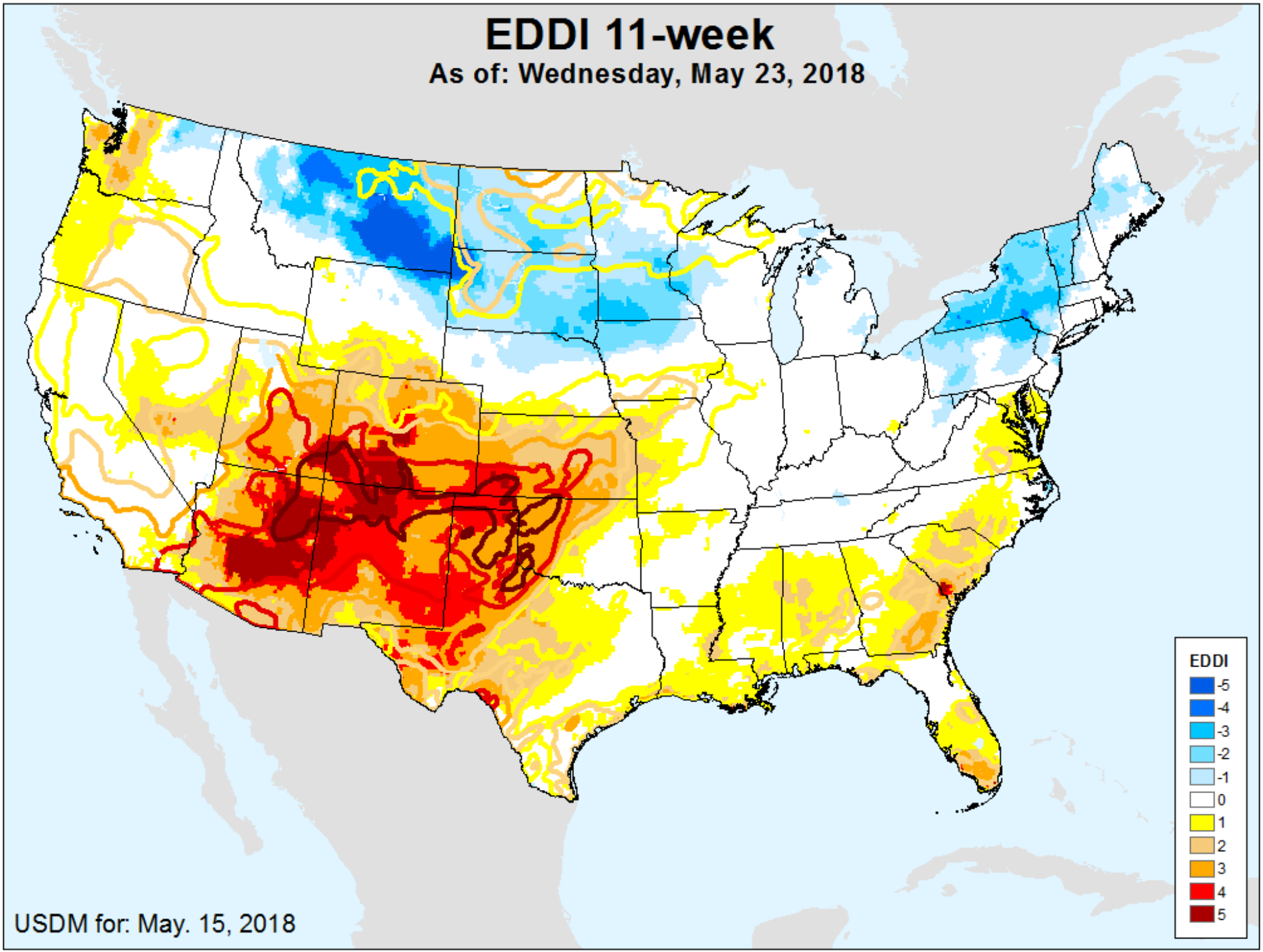



EDDI 10-week
As of: Wednesday, May 23, 2018
EDDI
-5
-4
-3
-2
-1
0
1
2
3
4
5
USDM for: May. 15, 2018

EDDI 10-week

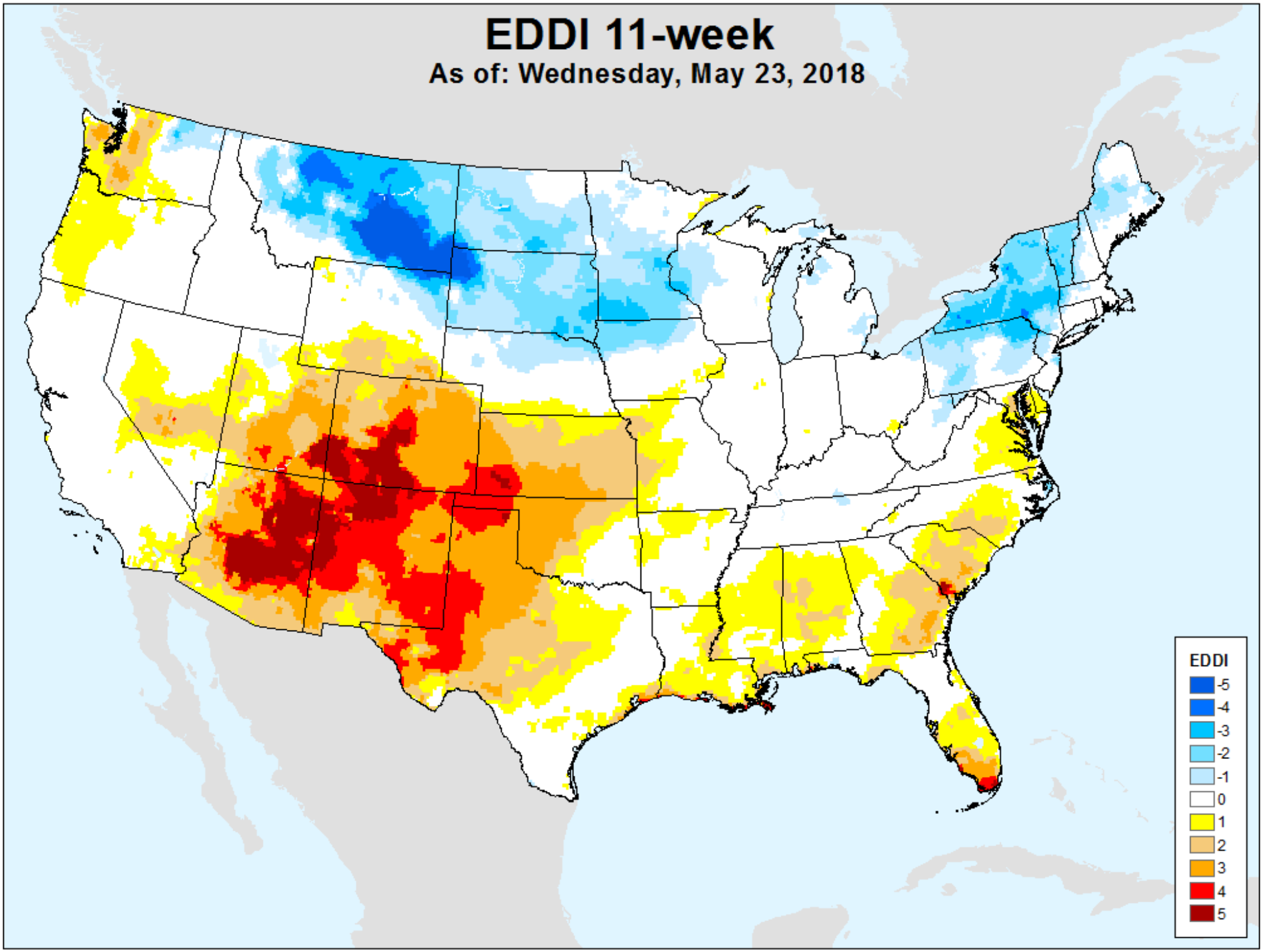
As of: Wednesday, May 23, 2018




EDDI 11-week
As of: Wednesday, May 23, 2018
EDDI
-5
-4
-3
-2
-1
0
1
2
3
4
5
USDM for: May. 15, 2018

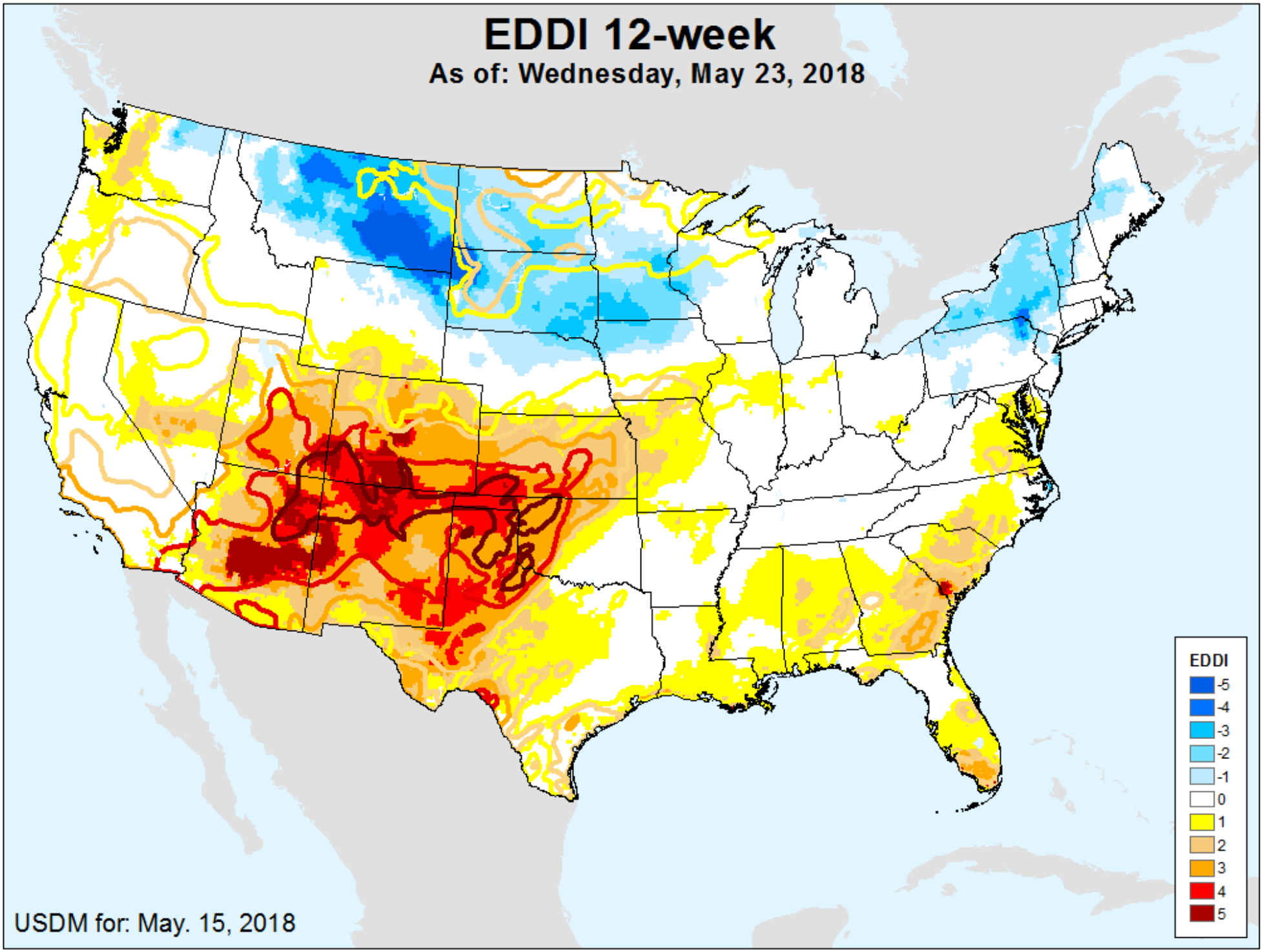
EDDI 11-week

As of: Wednesday, May 23, 2018



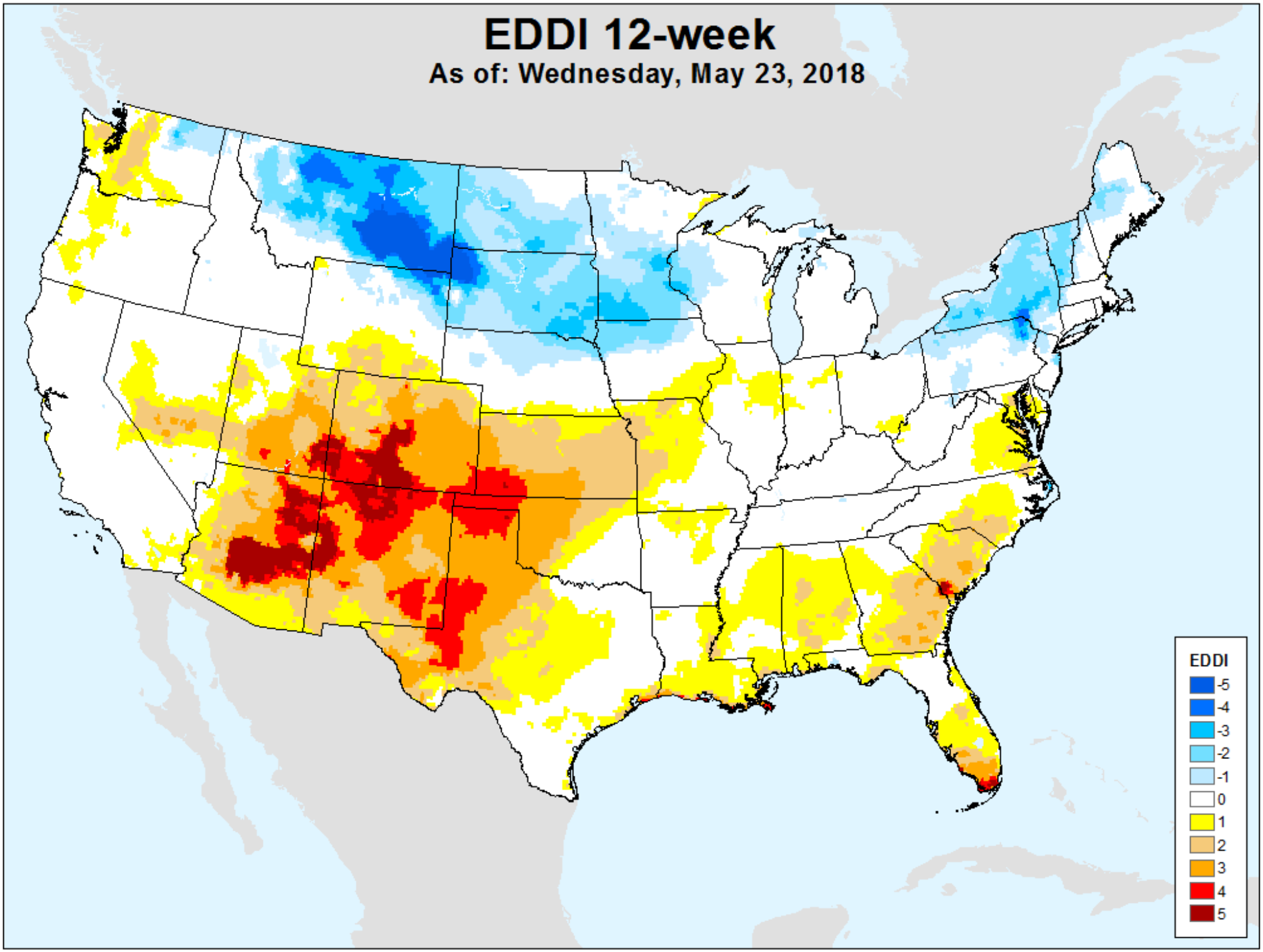
EDDI 12-week

As of: Wednesday, May 23, 2018



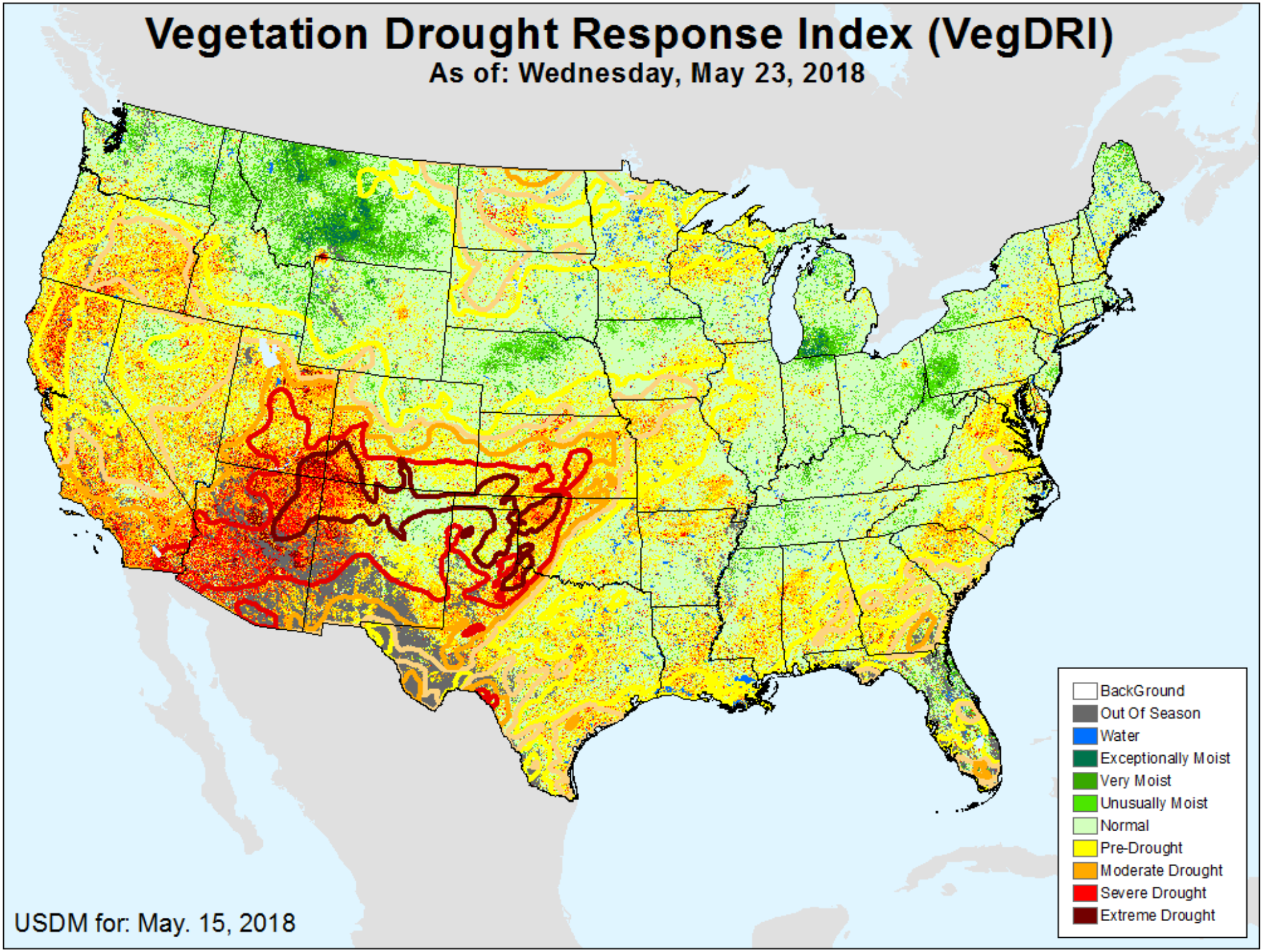
EDDI 12-week

As of: Wednesday, May 23, 2018



Vegetation Drought Response Index (VegDRI)

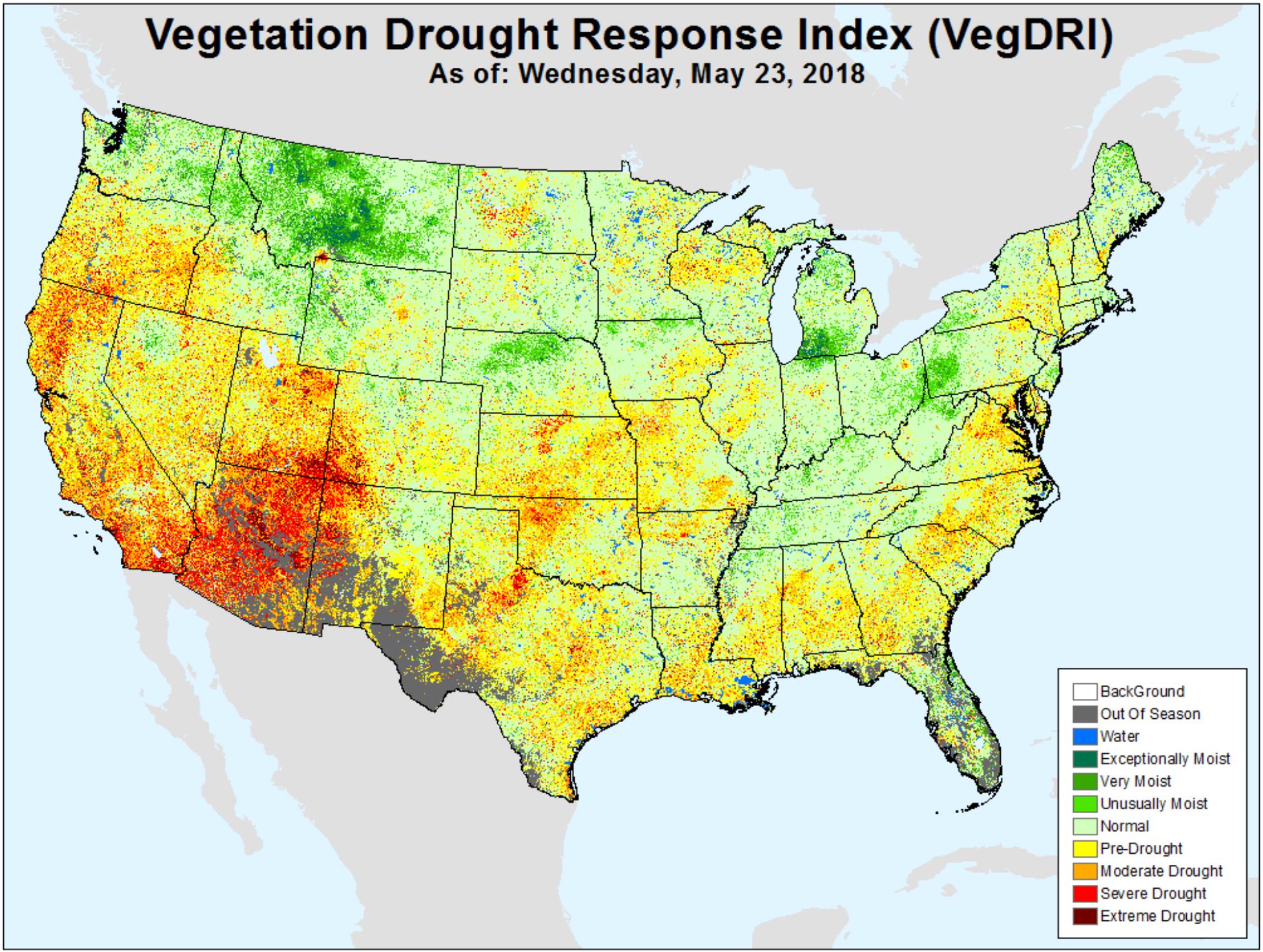
As of: Wednesday, May 23, 2018



USDM for: May. 15, 2018

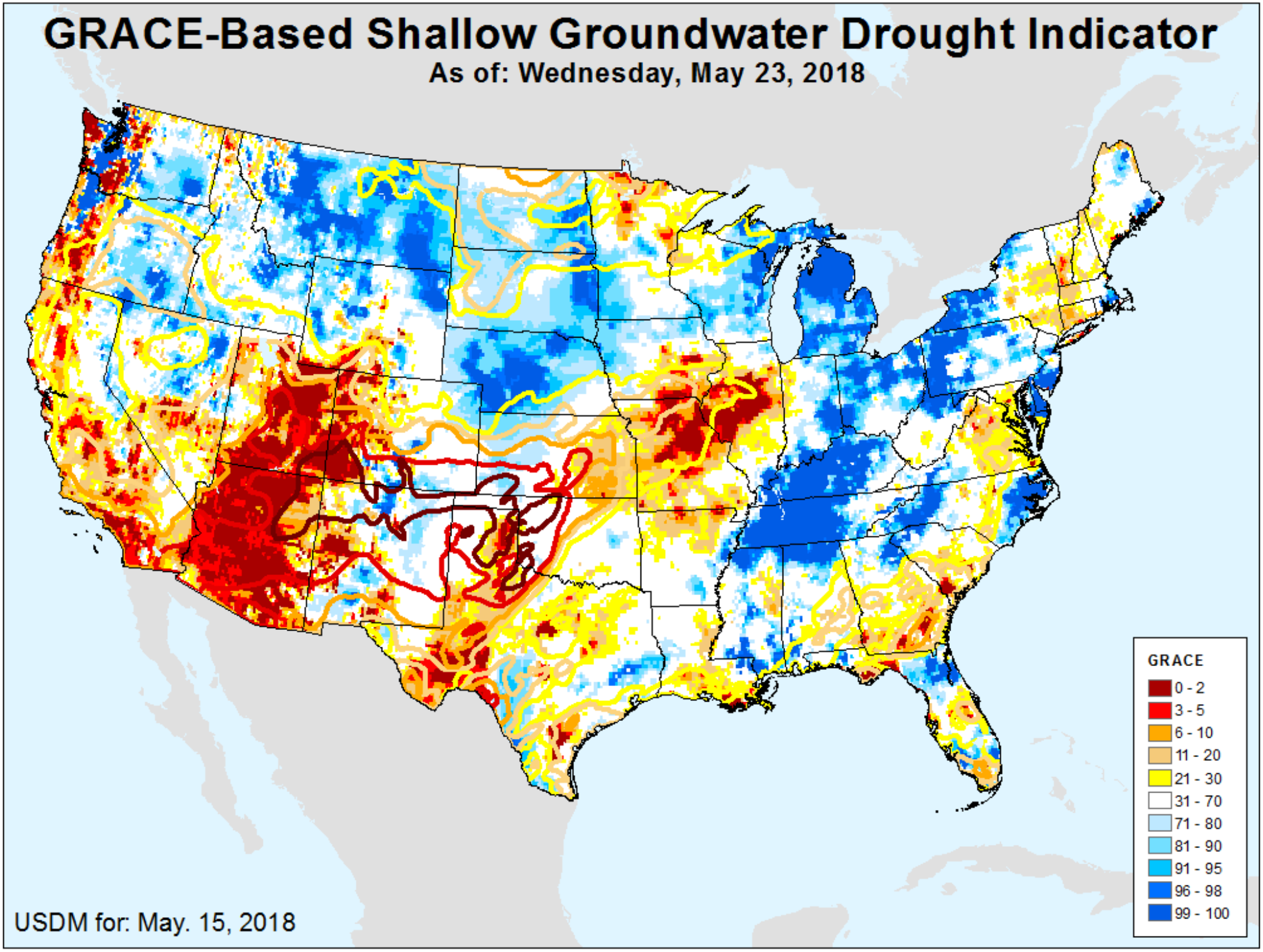
Vegetation Drought Response Index (VegDRI)

As of: Wednesday, May 23, 2018



GRACE-Based Shallow Groundwater Drought Indicator

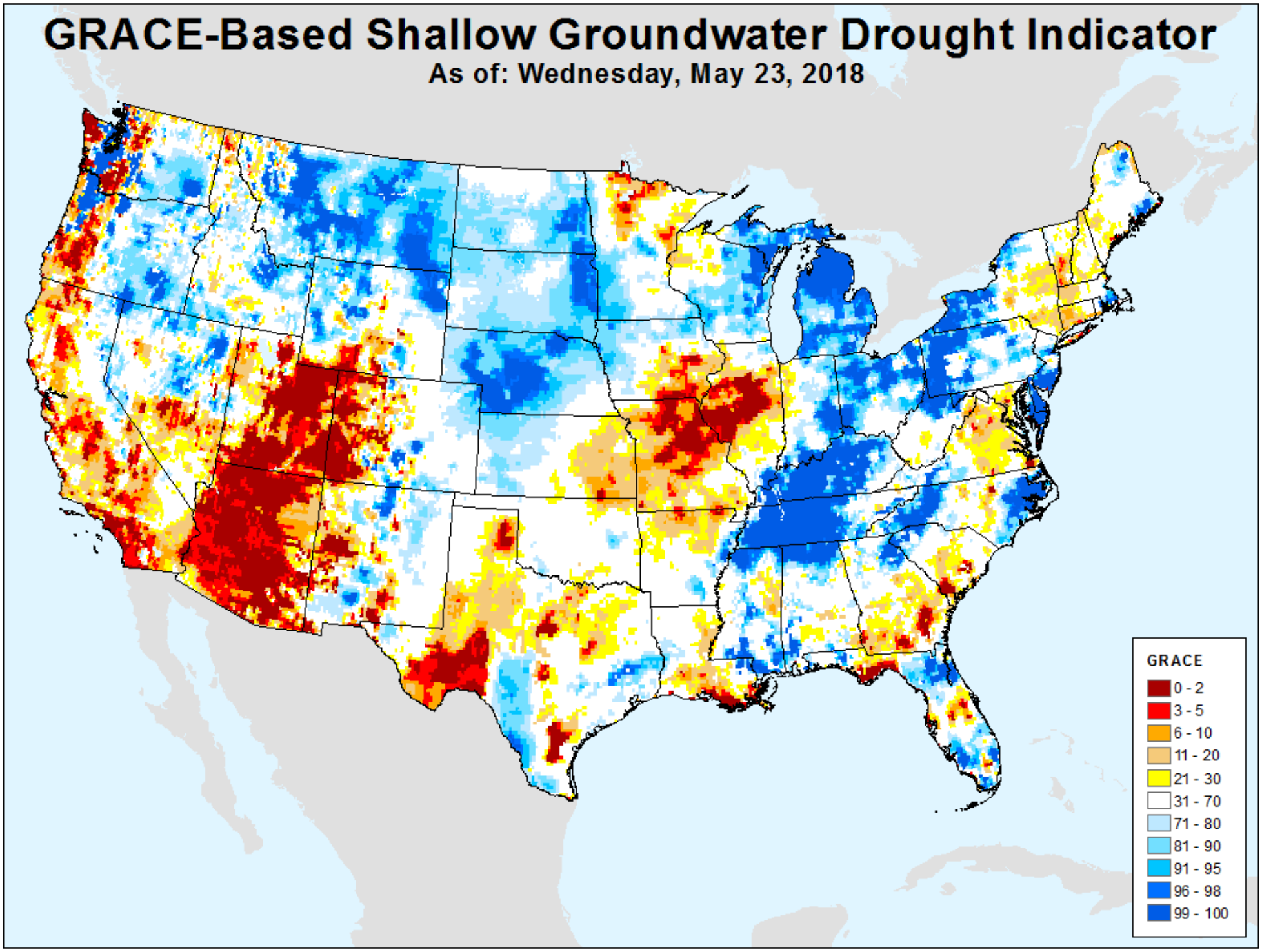
As of: Wednesday, May 23, 2018



USDM for: May. 15, 2018

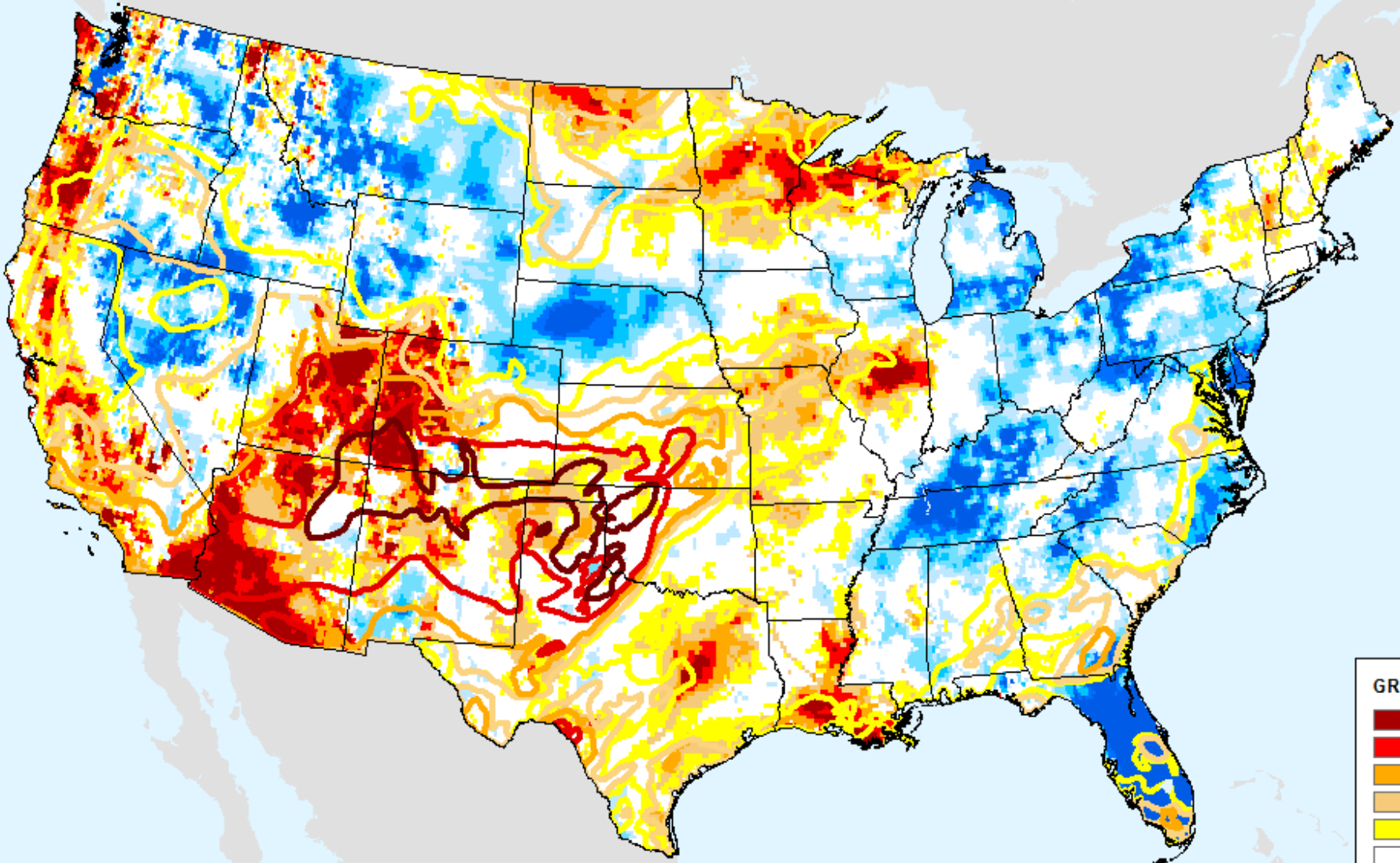
GRACE-Based Shallow Groundwater Drought Indicator

As of: Wednesday, May 23, 2018



GRACE-Based Root Zone Soil Moisture Drought Indicator

As of: Wednesday, May 23, 2018

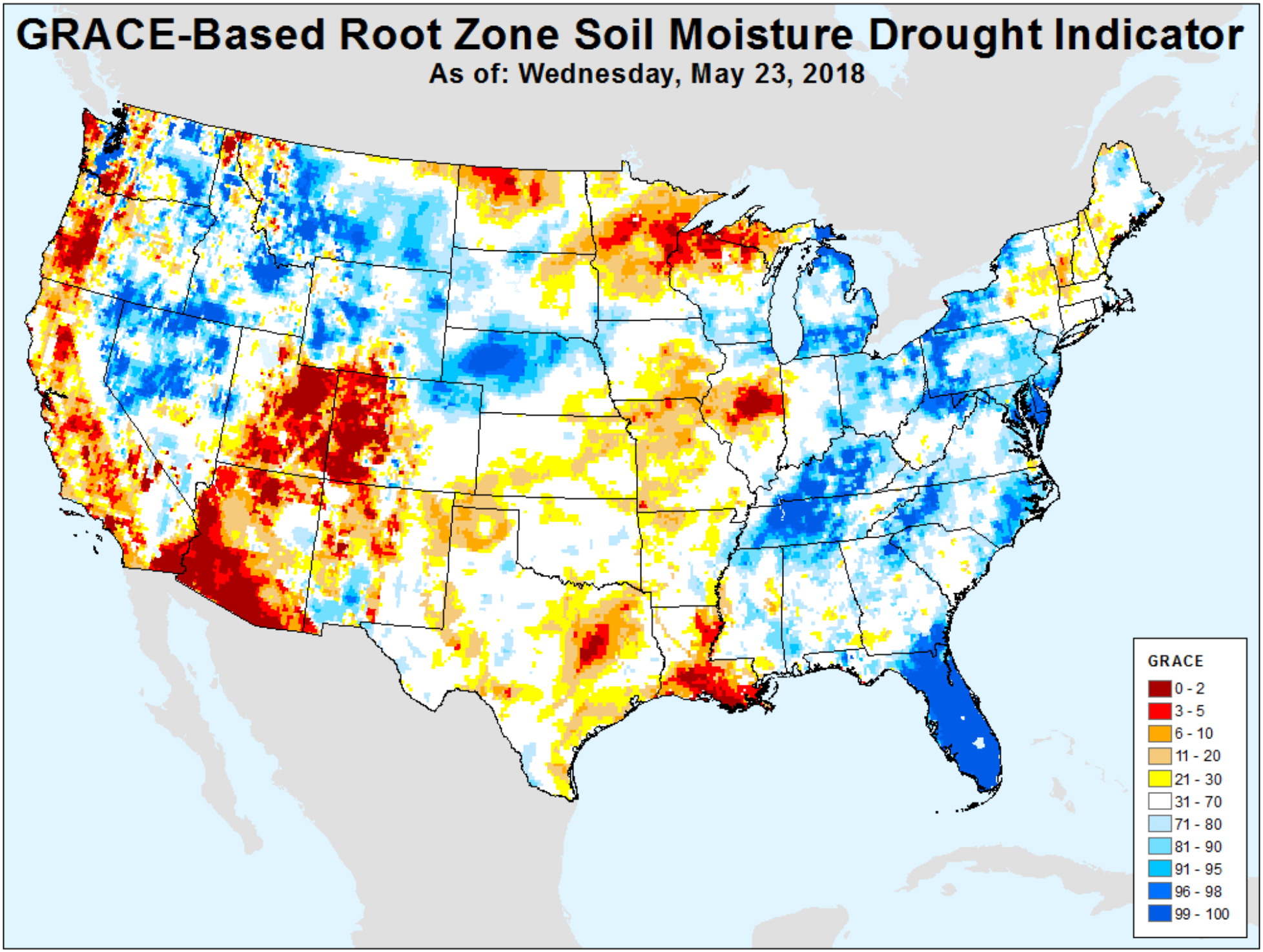


GRACE
- 0 - 2
- 3 - 5
- 6 - 10
- 11 - 20
- 21 - 30
- 31 - 70
- 71 - 80
- 81 - 90
- 91 - 95
- 96 - 98
- 99 - 100

USDM for: May. 15, 2018

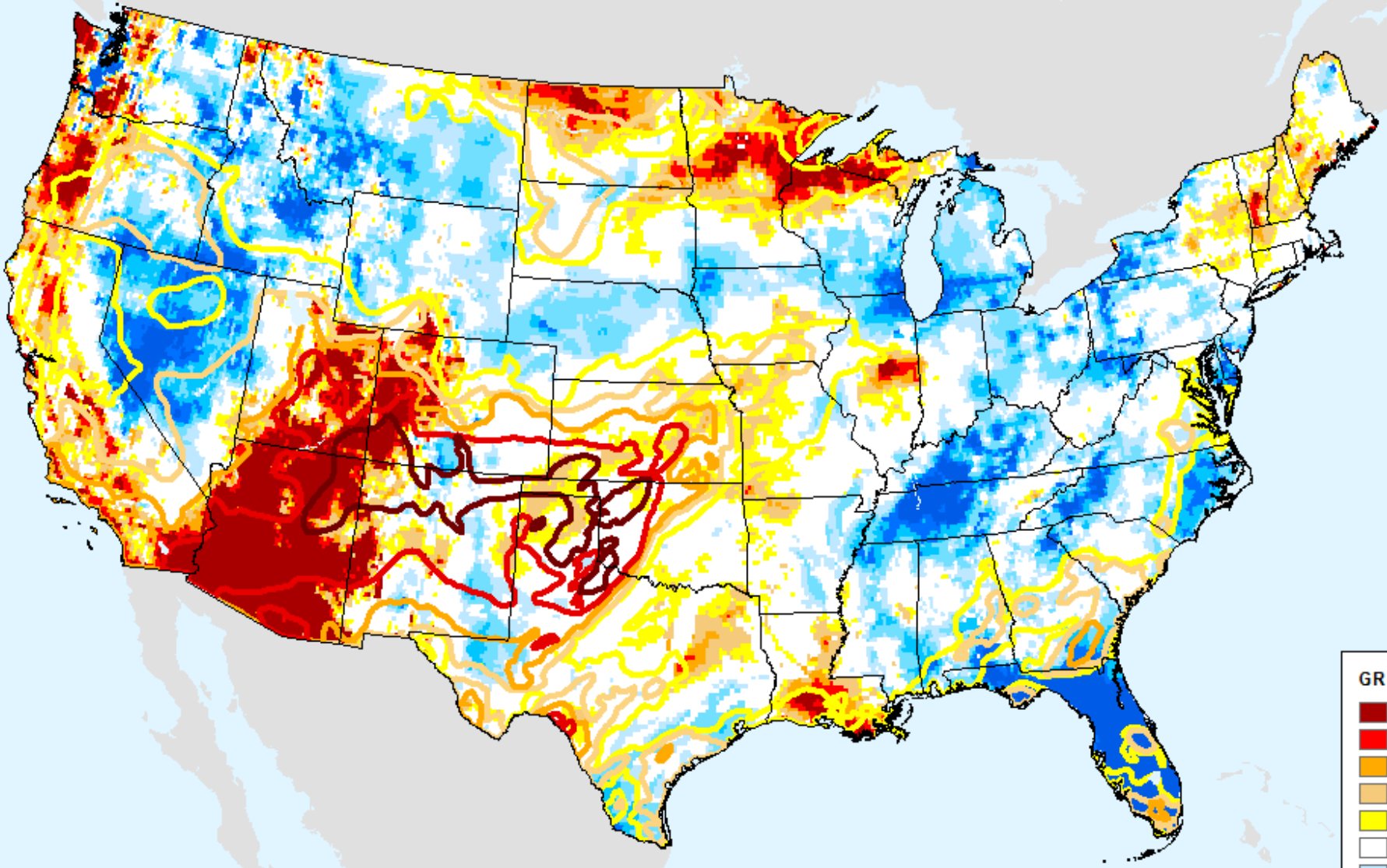
GRACE-Based Root Zone Soil Moisture Drought Indicator

As of: Wednesday, May 23, 2018



GRACE-Based Surface Soil Moisture Drought Indicator

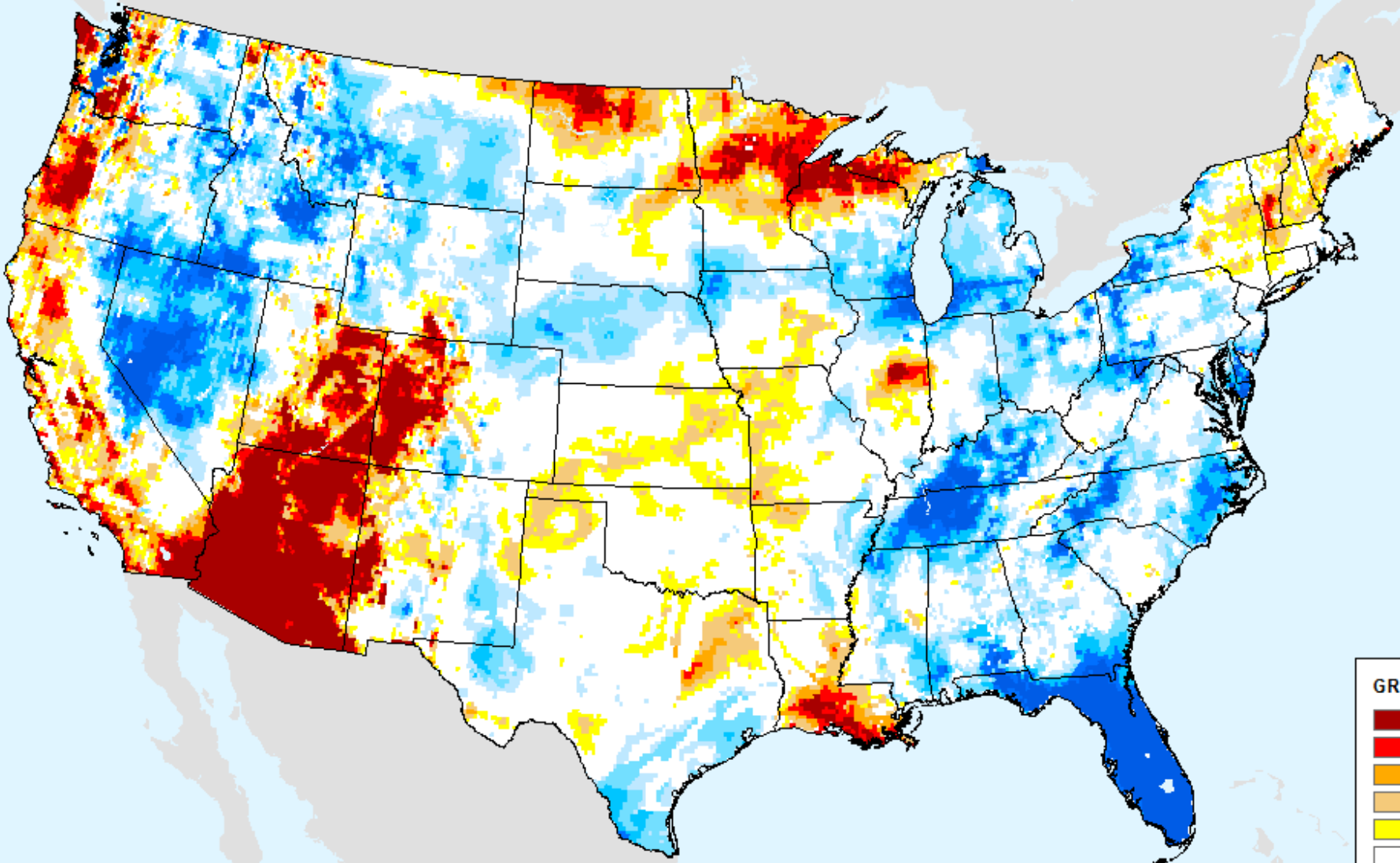
As of: Wednesday, May 23, 2018



USDM for: May. 15, 2018

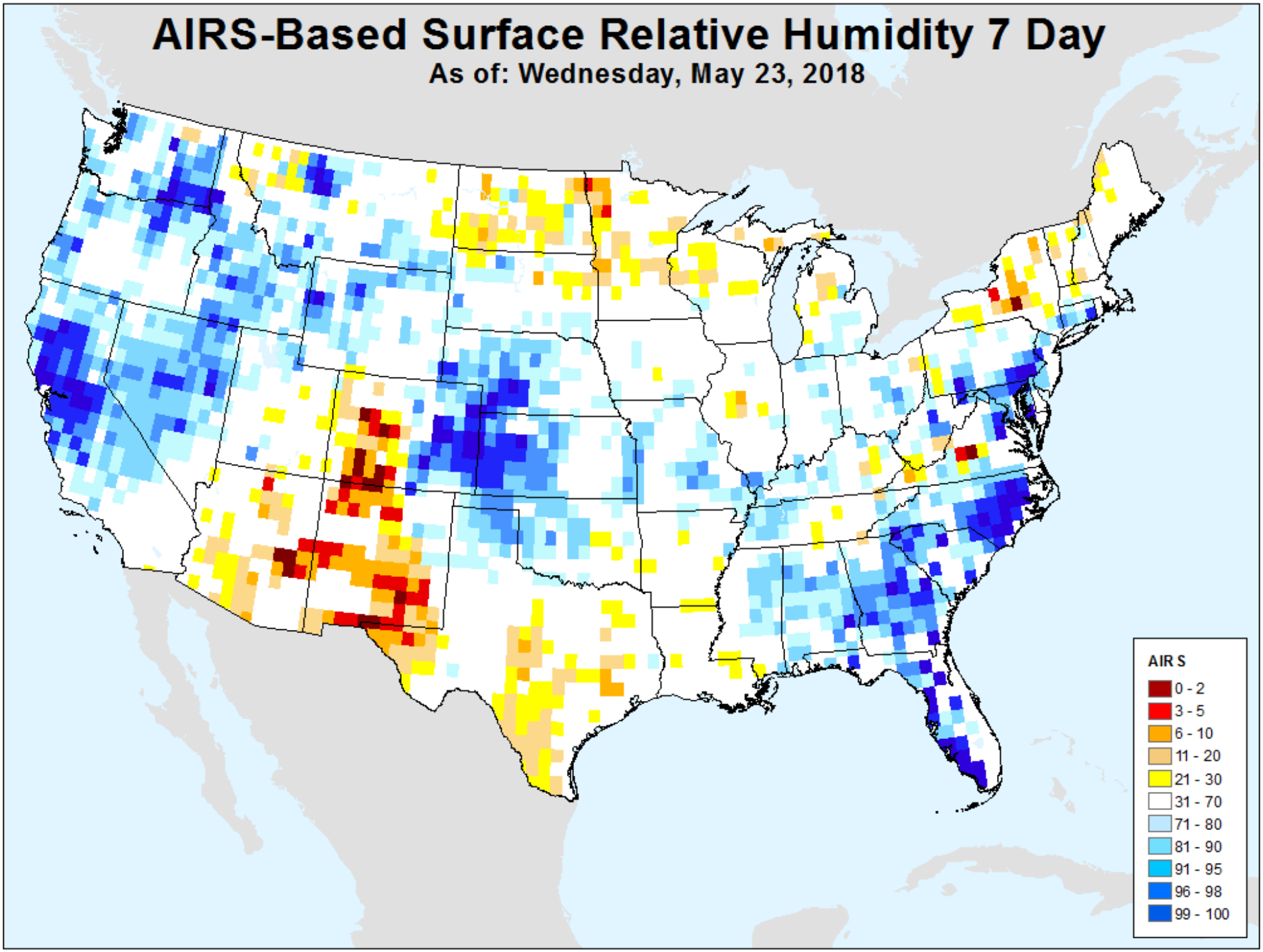
GRACE-Based Surface Soil Moisture Drought Indicator

As of: Wednesday, May 23, 2018



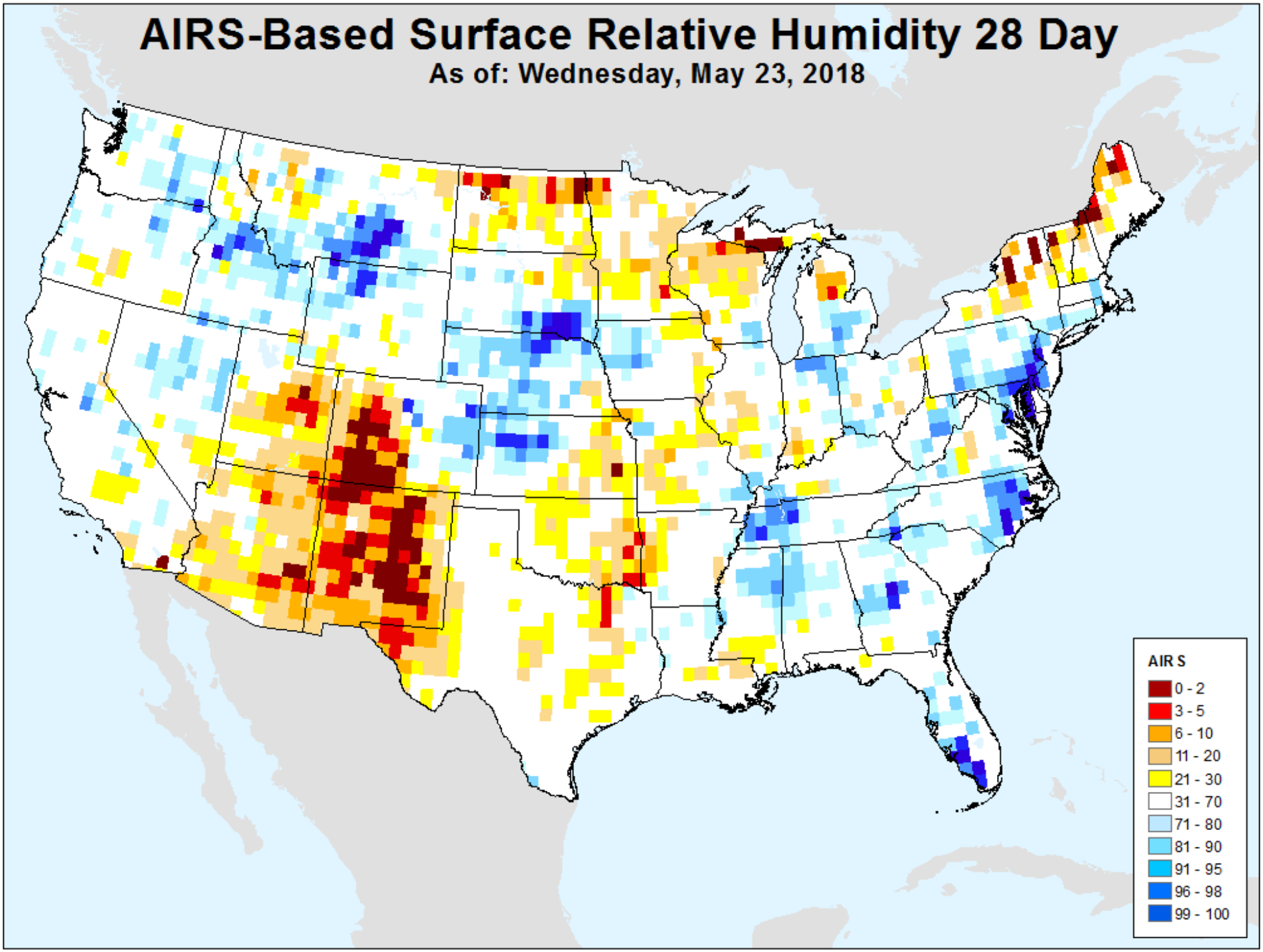
AIRS-Based Surface Relative Humidity 7 Day

As of: Wednesday, May 23, 2018



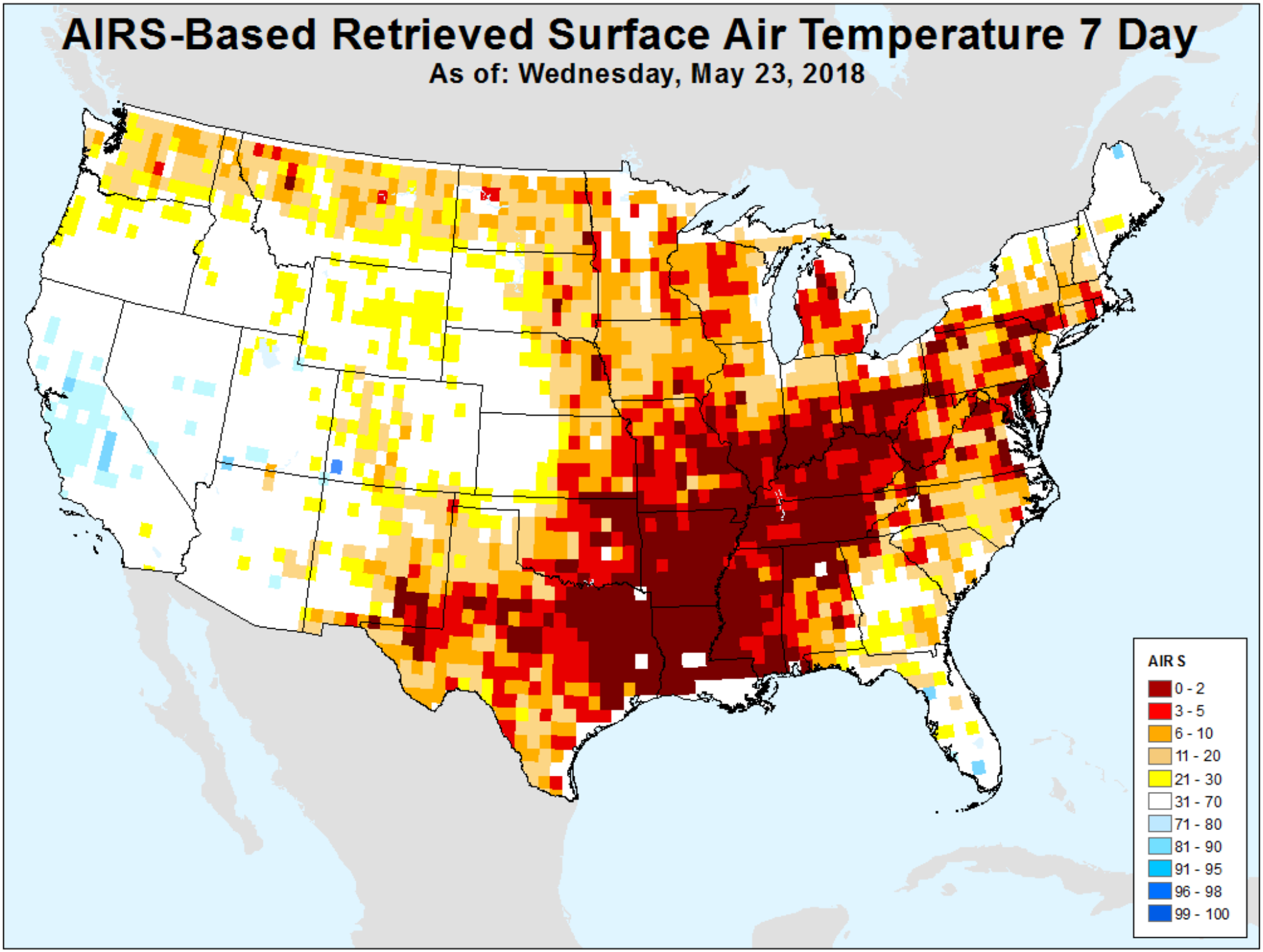
AIRS-Based Surface Relative Humidity 28 Day

As of: Wednesday, May 23, 2018



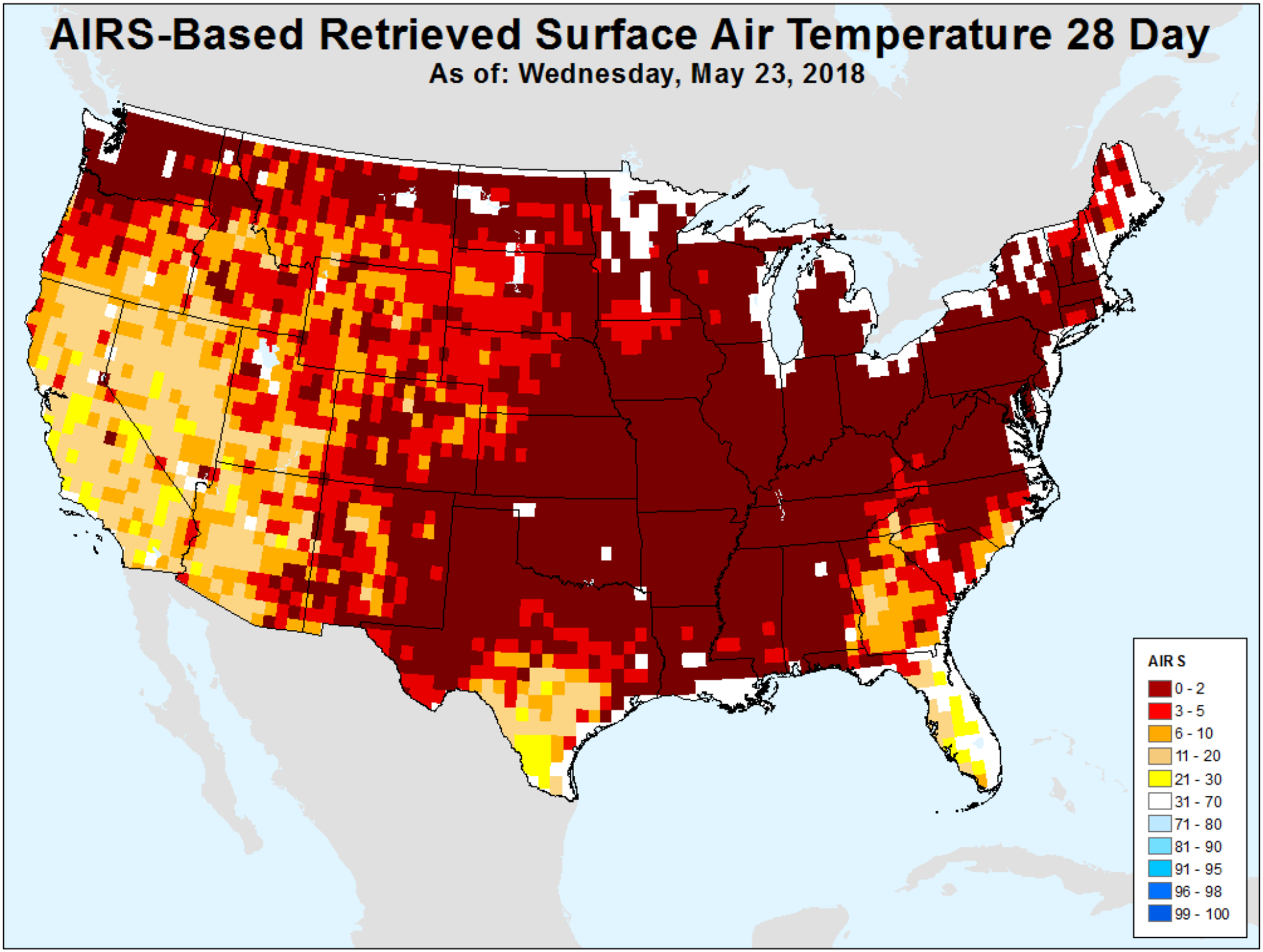
AIRS-Based Retrieved Surface Air Temperature 7 Day

As of: Wednesday, May 23, 2018



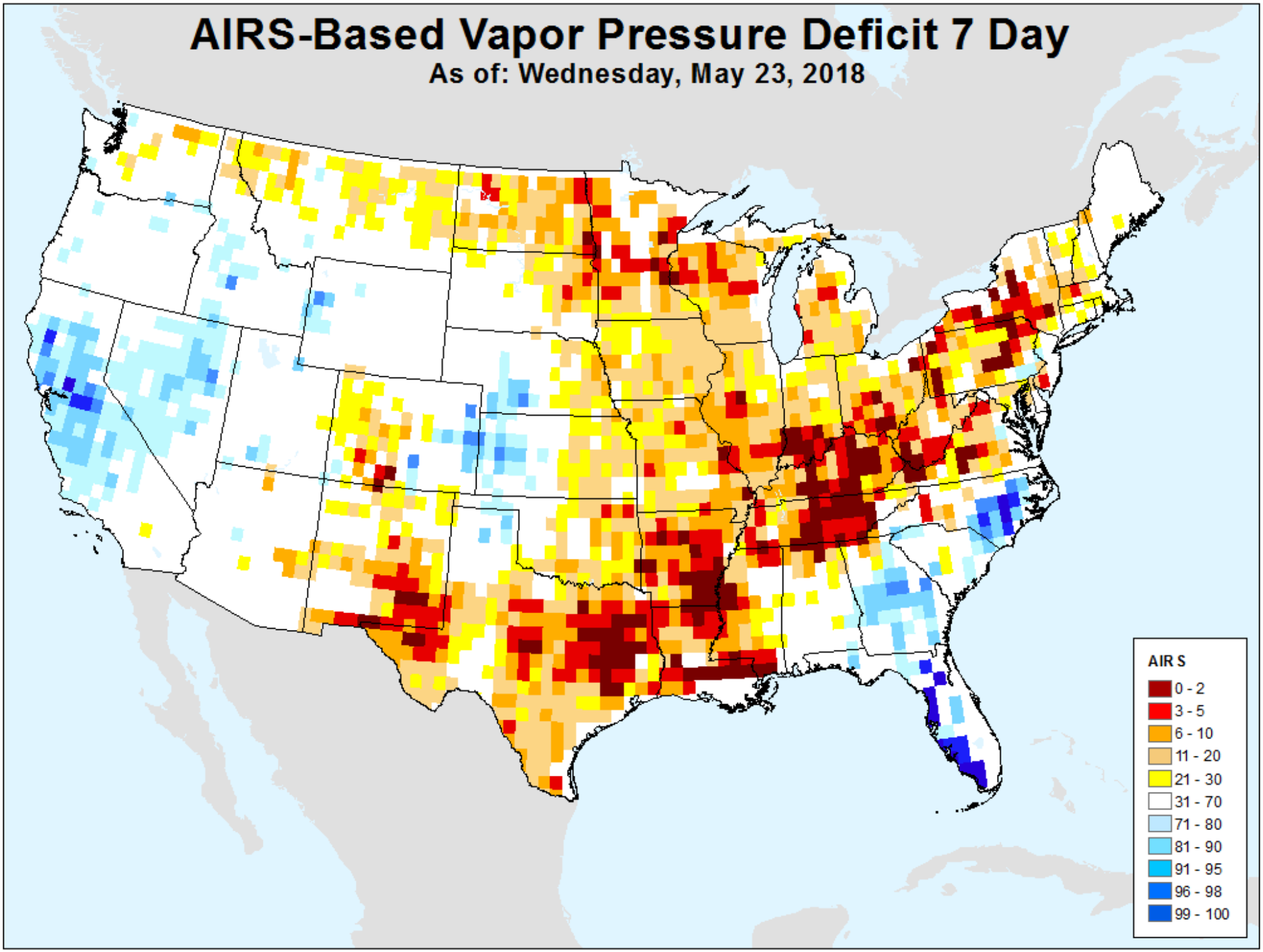
AIRS-Based Retrieved Surface Air Temperature 28 Day

As of: Wednesday, May 23, 2018



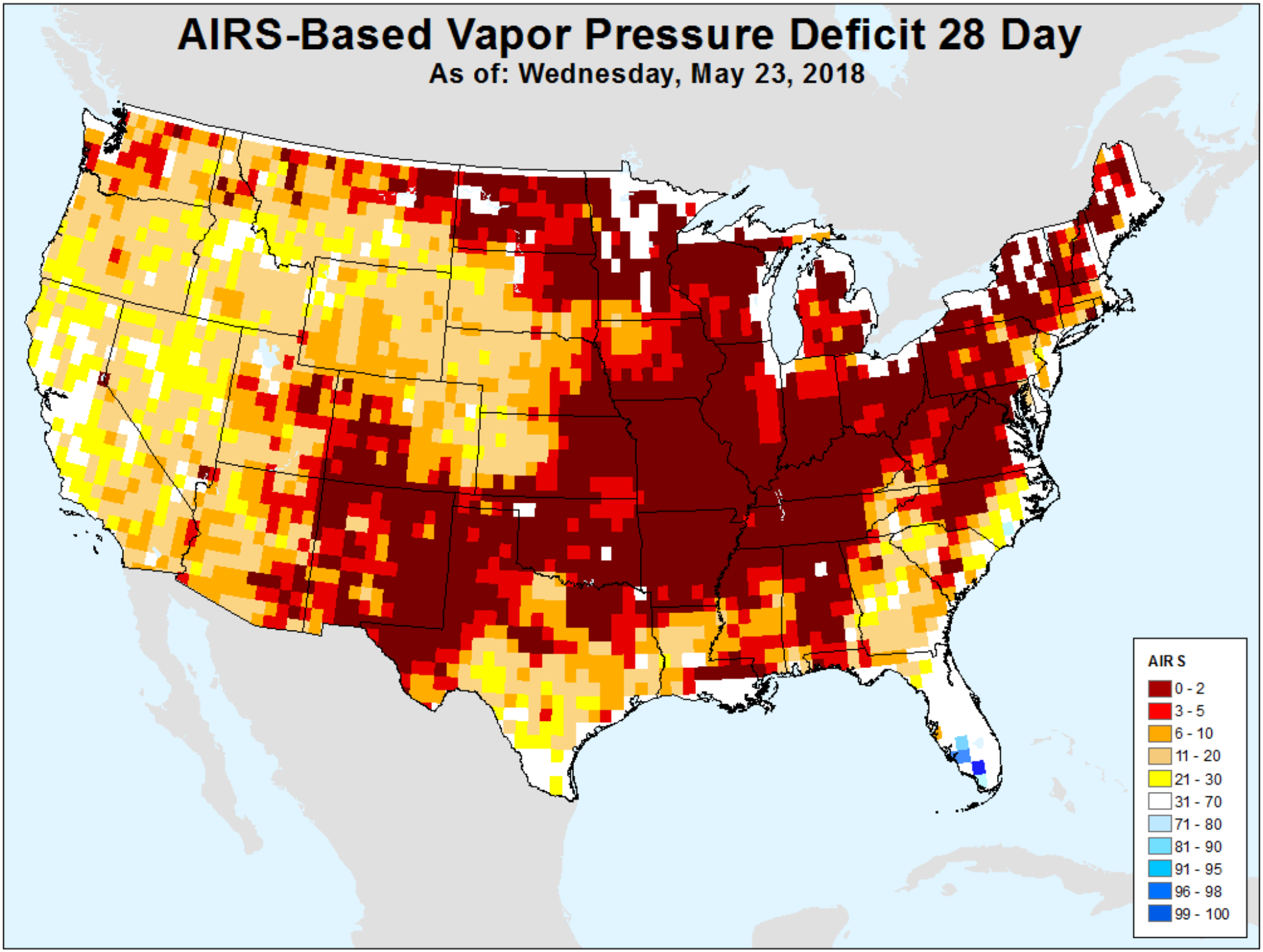
AIRS-Based Vapor Pressure Deficit 7 Day

As of: Wednesday, May 23, 2018

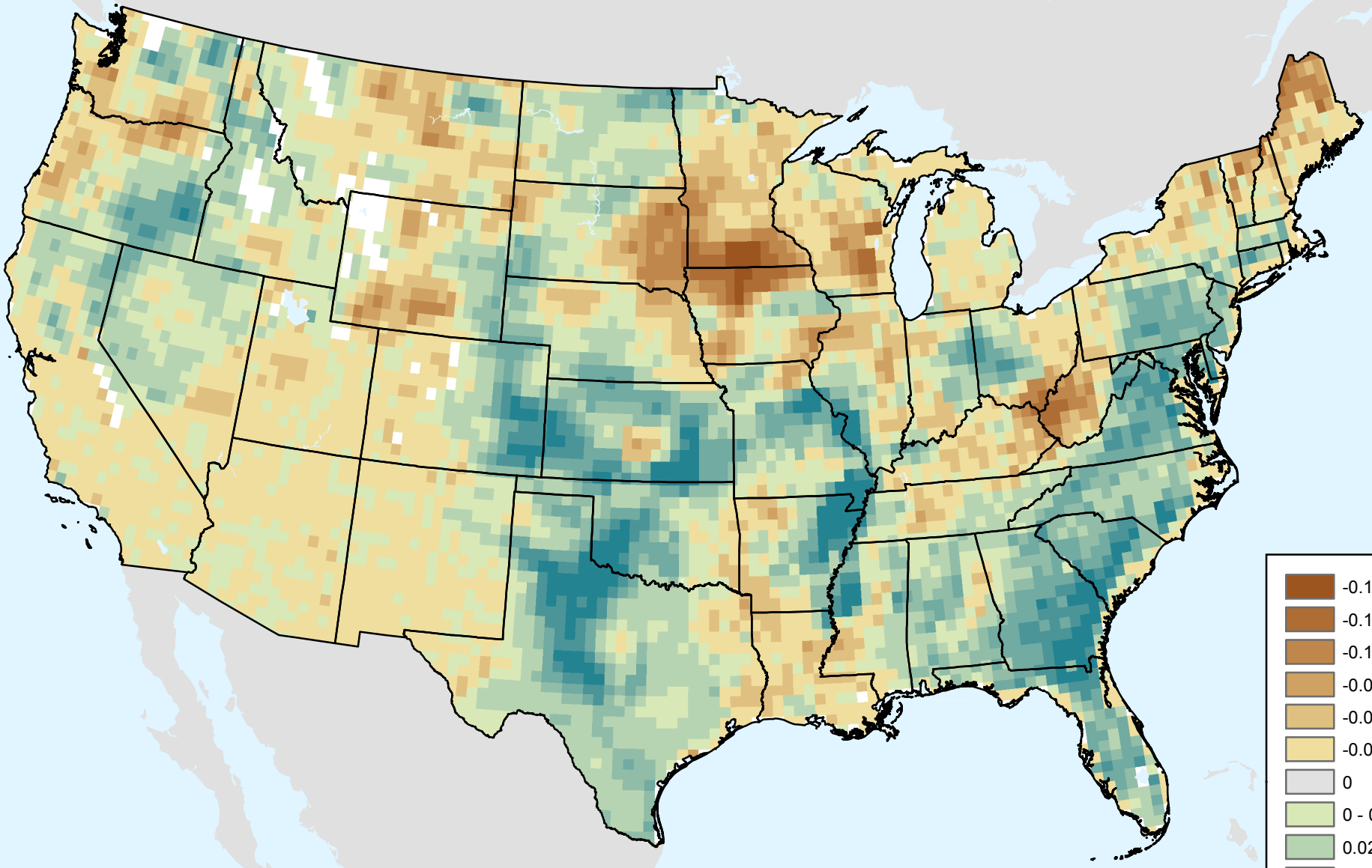


AIRS-Based Vapor Pressure Deficit 28 Day

As of: Wednesday, May 23, 2018



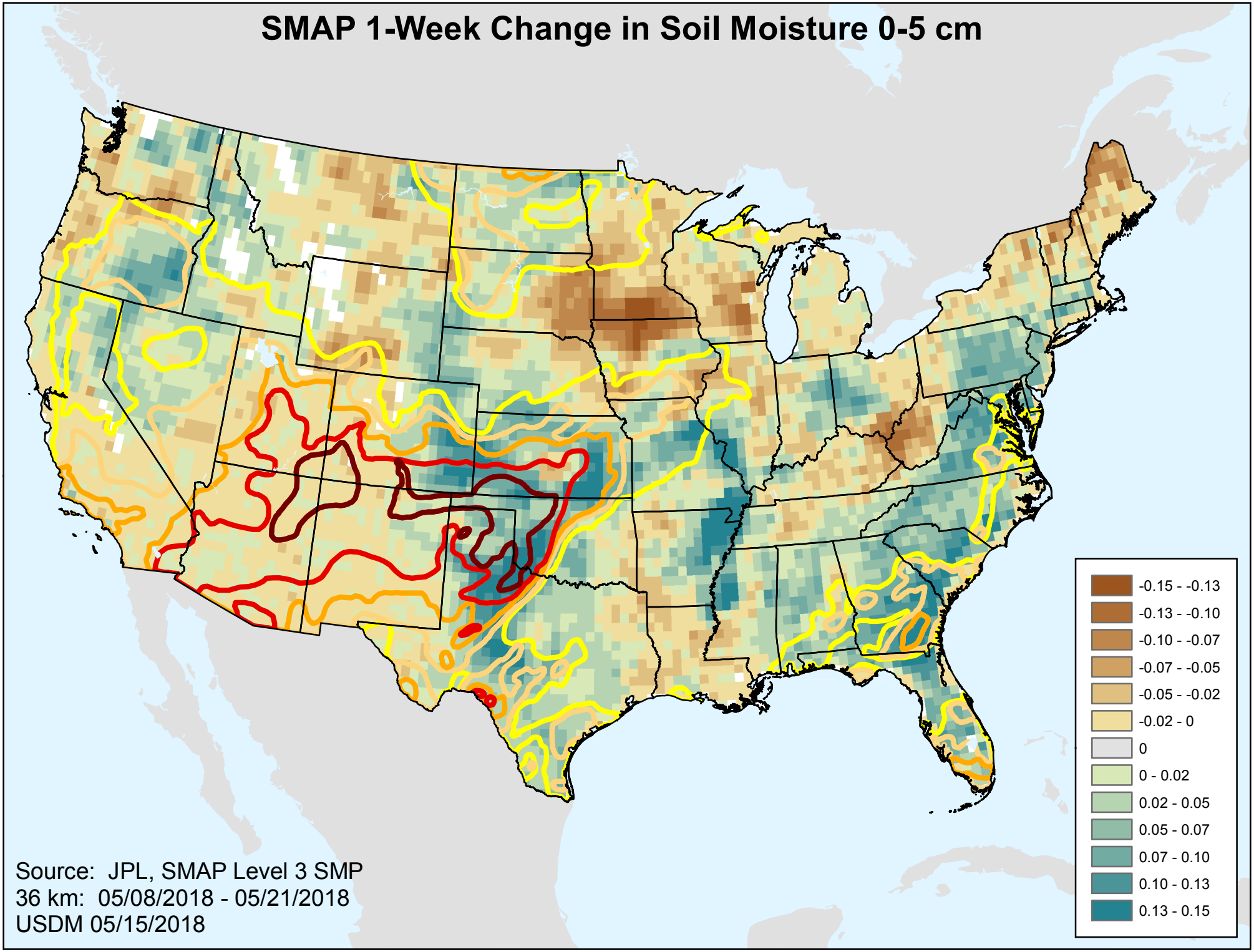
SMAP 1-Week Change in Soil Moisture 0-5 cm



-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

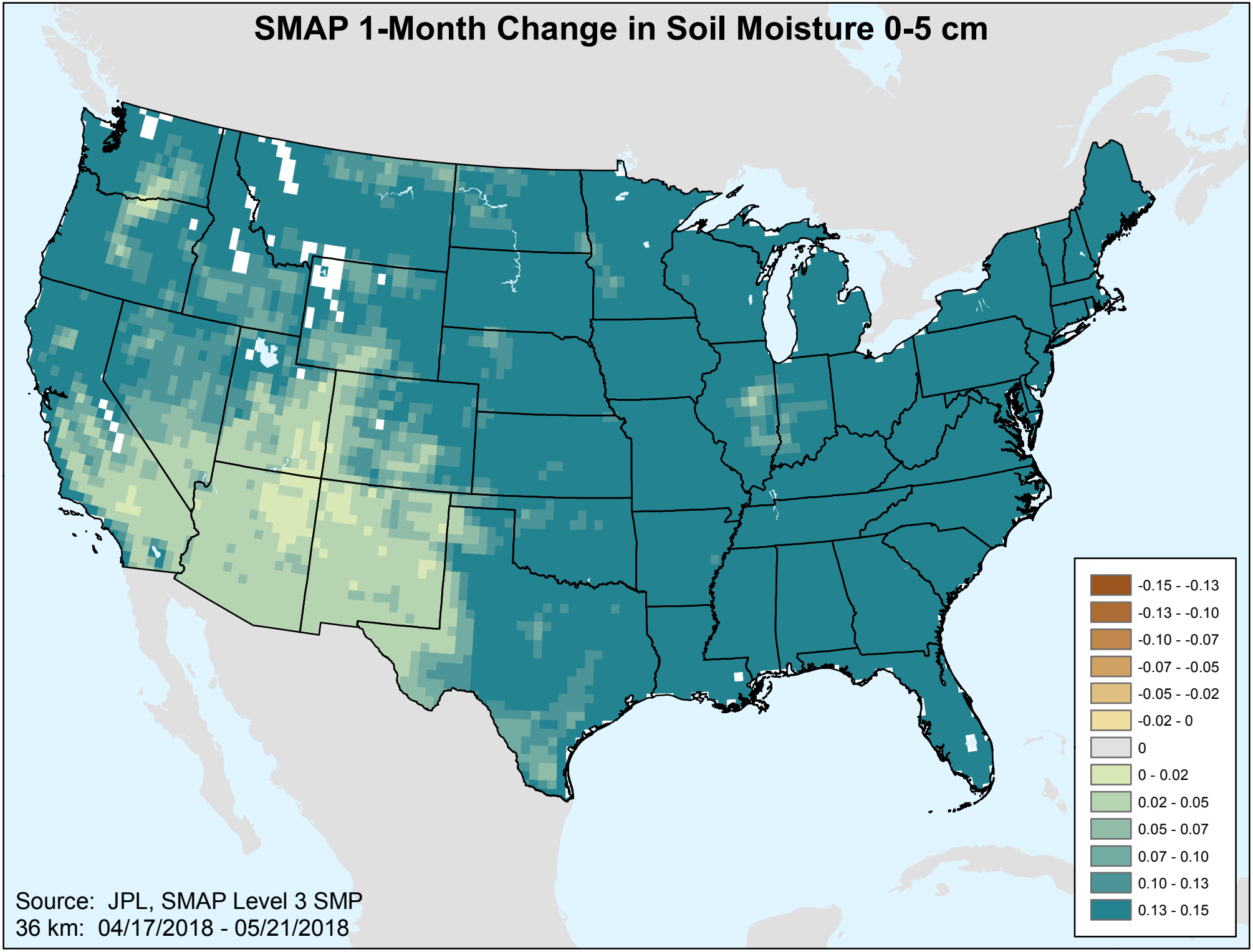
Source: JPL, SMAP Level 3 SMP
36 km: 05/08/2018 - 05/21/2018

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



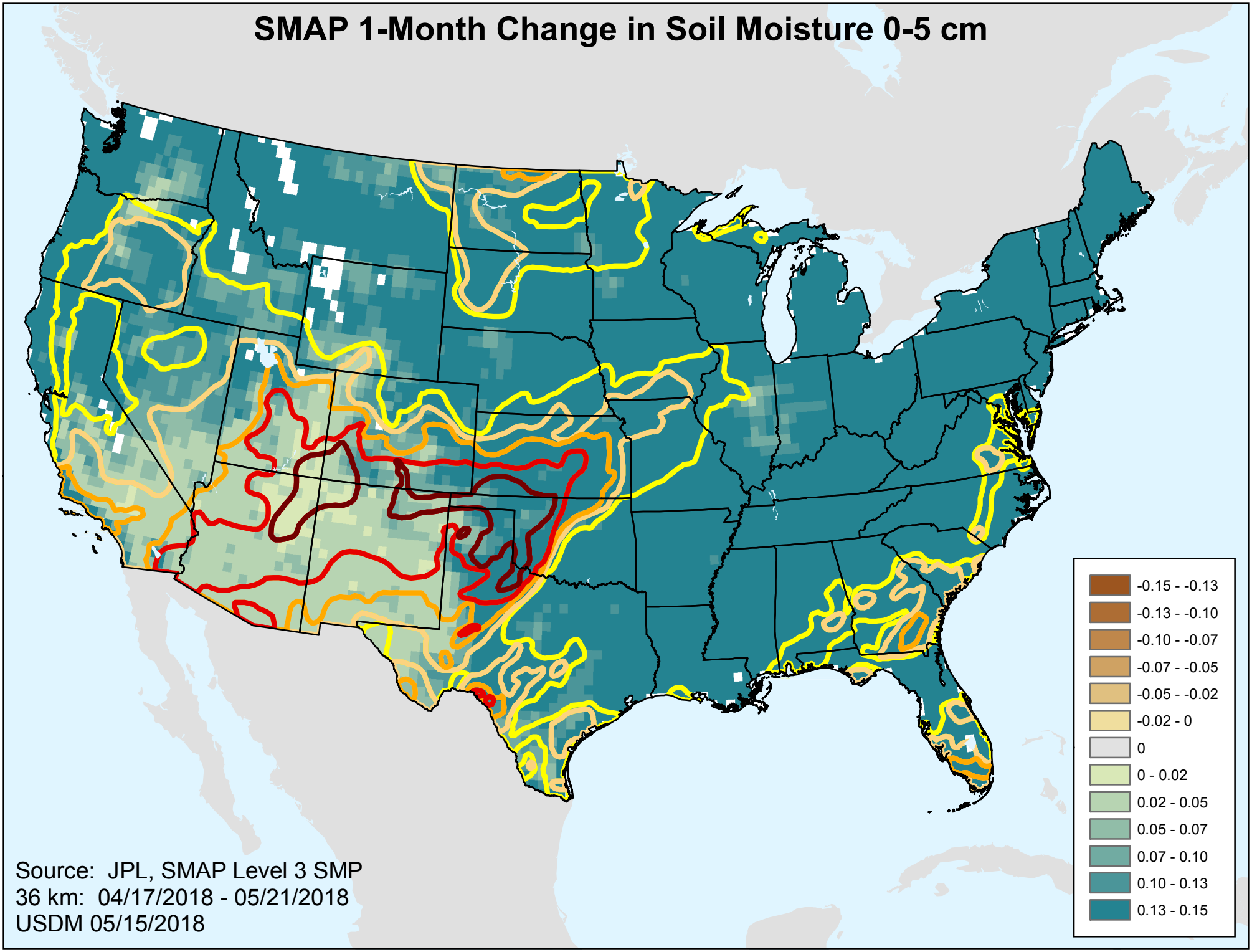
Source: JPL, SMAP Level 3 SMP
36 km: 05/08/2018 - 05/21/2018
USDM 05/15/2018

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



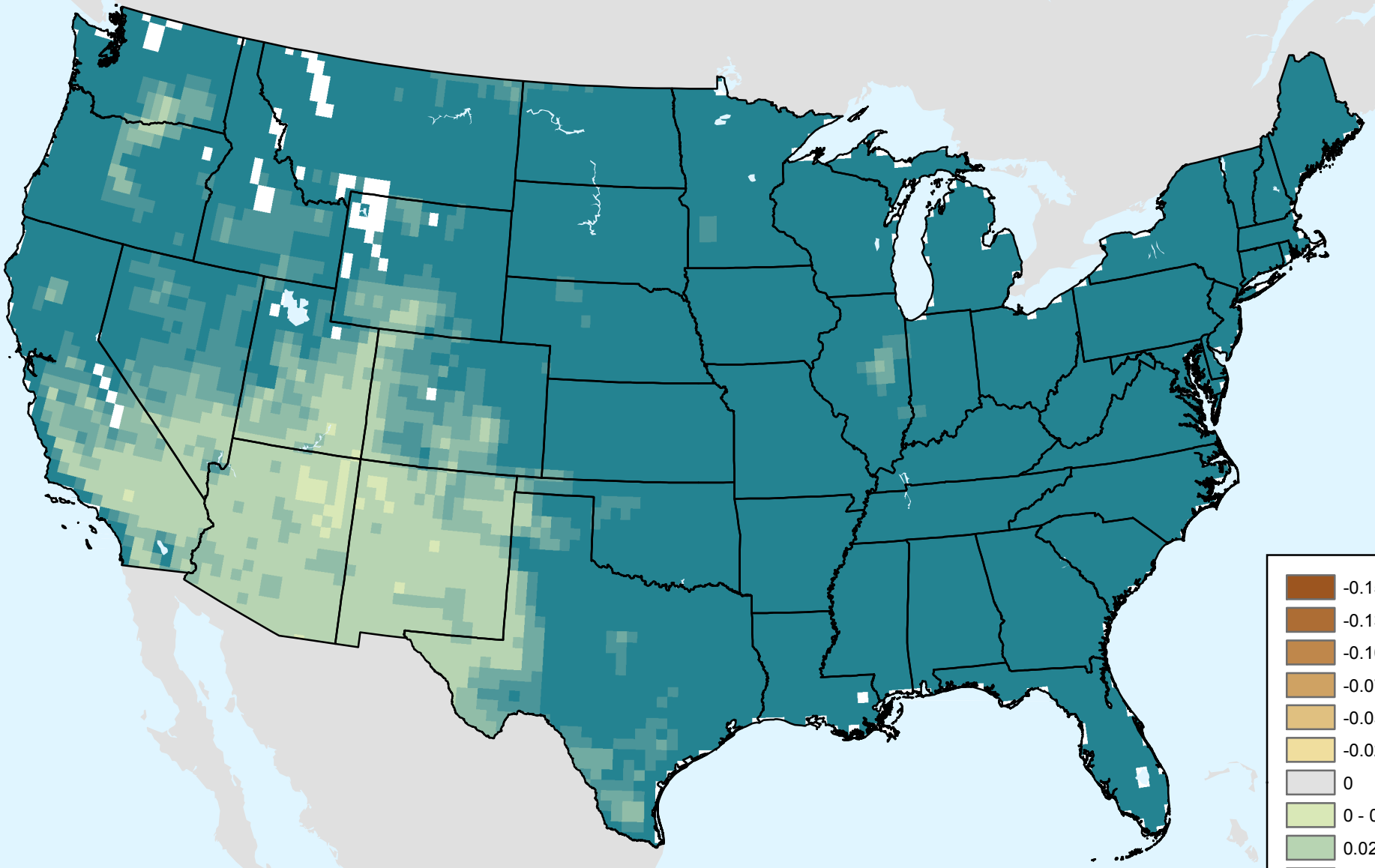
Source: JPL, SMAP Level 3 SMP
36 km: 04/17/2018 - 05/21/2018

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



Source: JPL, SMAP Level 3 SMP
36 km: 04/17/2018 - 05/21/2018
USDM 05/15/2018

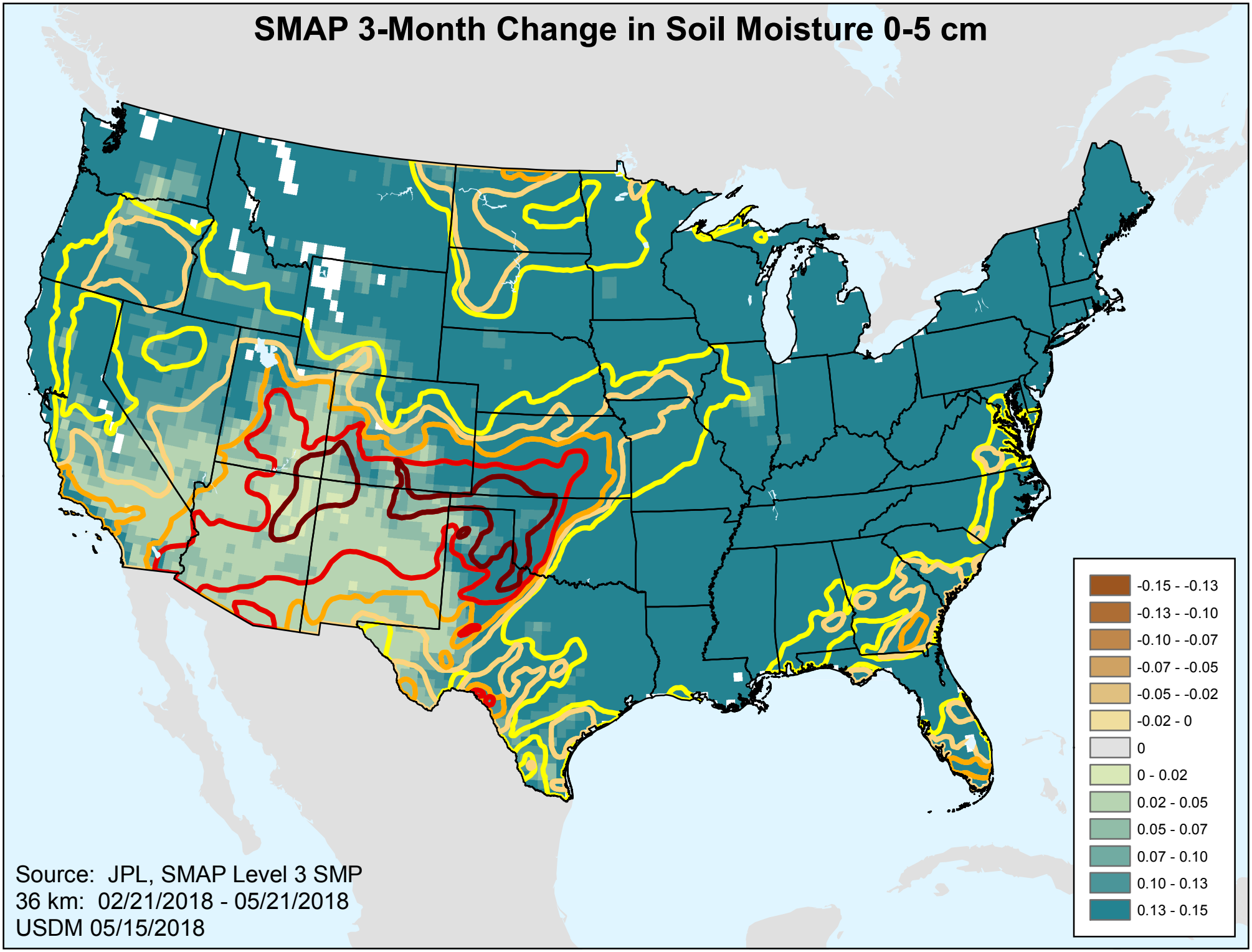
SMAP 3-Month Change in Soil Moisture 0-5 cm



-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: 02/21/2018 - 05/21/2018

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



Source: JPL, SMAP Level 3 SMP
36 km: 02/21/2018 - 05/21/2018
USDM 05/15/2018