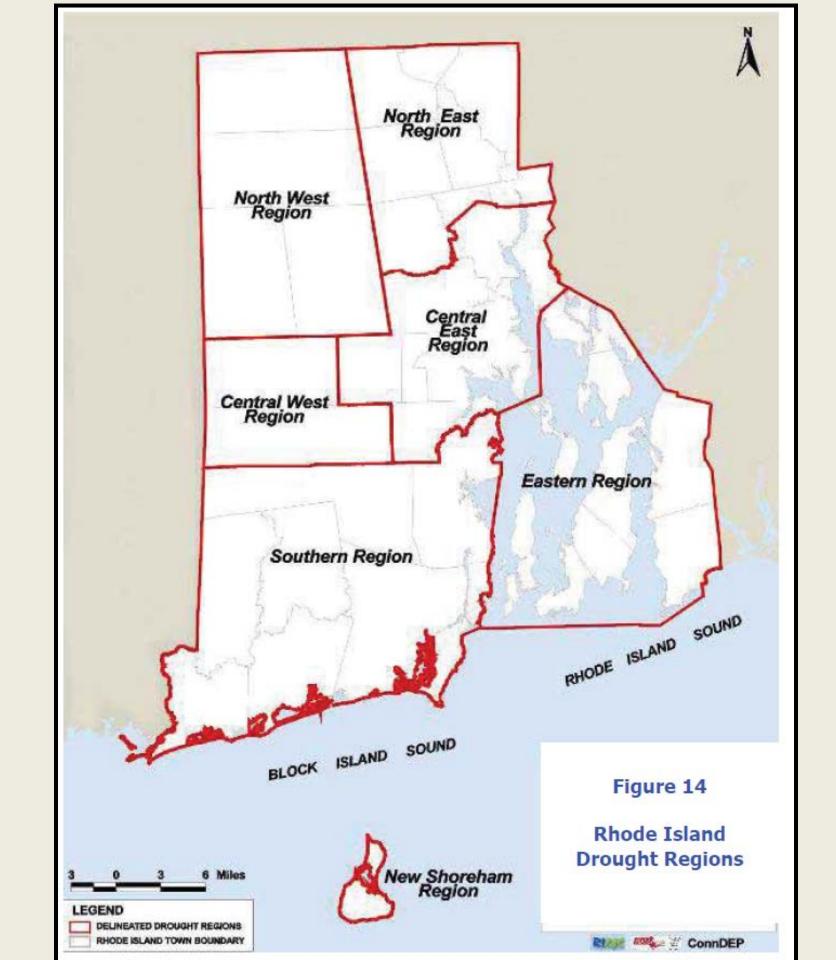
Rhode Island Drought Steering Committee Meeting NWS Update

National Weather Service

Thursday August 4th, 2016



Rhode Island Drought Regions



Month of July, Two and Three Month Precipitation Data

RI 1 month July 2016	Rainfall	Departure	Percent	Normal
Northwest	2.49	-1.33	65	3.82
Northeast	2.08	-1.73	55	3.81
Central West	3.09	-0.55	85	3.64
Central East	2.87	-0.42	87	3.29
Eastern	2.11	-0.68	76	2.79
Southern	2.20	-1.46	60	3.66
New Shoreham	2.96	-0.70	81	3.66

RI 2 month Jun-July 16	Rainfall	Departure	Percent	Normal
Northwest	4.28	-4.12	51	8.40
Northeast	4.15	-3.87	52	8.02
Central West	5.15	-2.63	66	7.78
Central East	5.02	-1.91	72	6.93
Eastern	3.36	-3.31	50	6.67
Southern	3.72	-4.22	47	7.94
New Shoreham	3.73	-4.21	47	7.94

RI 3 month May-July 16	Rainfall	Departure	Percent	Normal
Northwest	8.17	-4.15	66	12.32
Northeast	7.55	-4.25	64	11.80
Central West	8.85	-2.68	77	11.53
Central East	8.62	-1.86	82	10.48
Eastern	7.14	-3.17	69	10.31
Southern	6.90	-4.99	58	11.89
New Shoreham	7.80	-4.09	66	11.89

Two Month Rainfall

RI Drought Index: Precipitation
Drought Advisory Criteria
2 Month <65% of normal

Three Month Rainfall

RI Drought Index: Precipitation
Drought Watch Criteria
3 Month <65% of normal



Six/Twelve Month Precipitation Data

RI 6 month Feb-July 16	Rainfall	Departure	Percent	Normal
Northwest	21.57	-4.86	82	26.43
Northeast	19.93	-5.17	79	25.10
Central West	21.33	-3.56	86	24.89
Central East	20.98	-2.16	91	23.14
Eastern	18.90	-5.68	77	24.58
Southern	20.33	-5.83	78	26.16
New Shoreham	20.29	-5.87	78	26.16

RI Drought Index: Precipitation

During these timeframes,
Precipitation was within Normal
Conditions (>70% Normal)

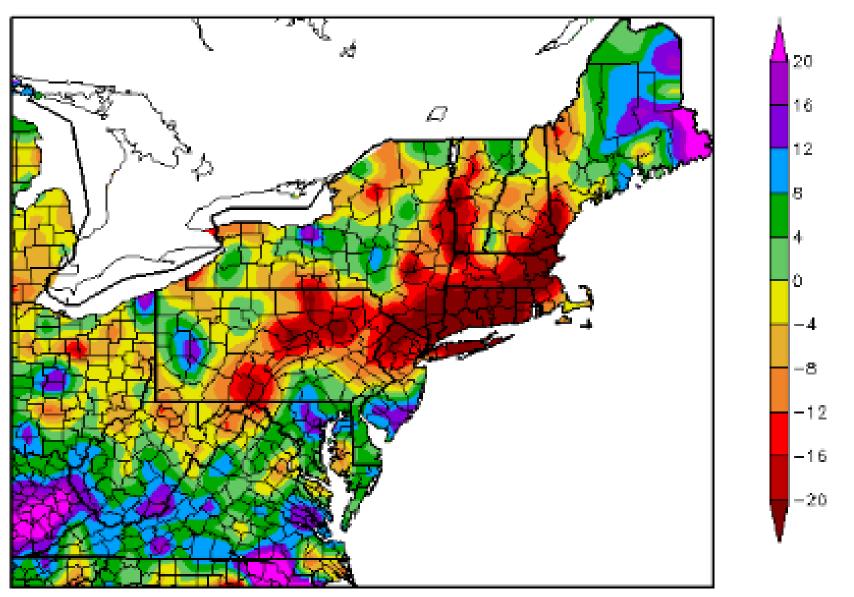
RI 12 month Aug 15-July 16	Rainfall	Departure	Percent	Normal
Northwest	41.69	-12.01	78	53.70
Northeast	39.46	-11.96	77	51.42
Central West	43.38	-7.39	85	50.77
Central East	40.40	-6.78	86	47.18
Eastern	43.84	-4.70	90	48.54
Southern	43.36	-9.51	82	52.87
New Shoreham	43.32	-9.55	82	52.87





Longer Term Deficits

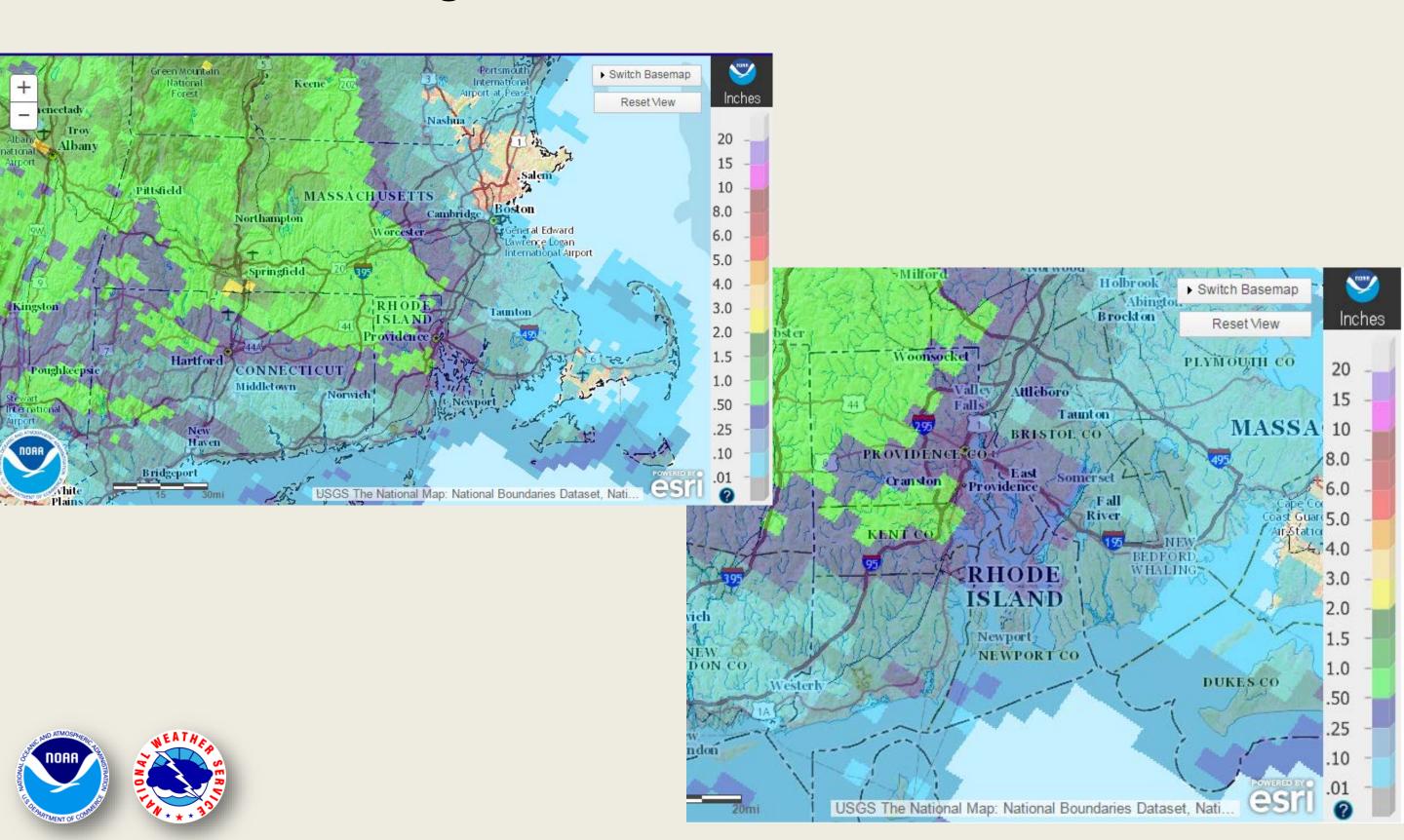
Departure from Normal Precipitation (in) 7/27/2013 - 7/26/2016



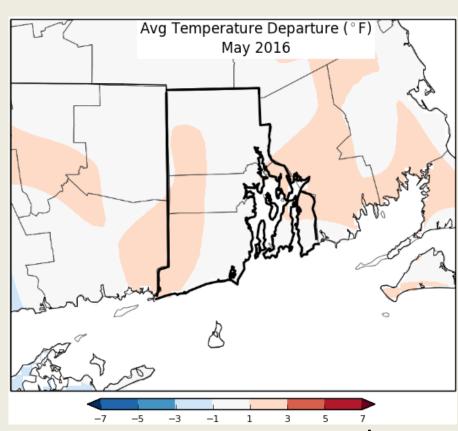




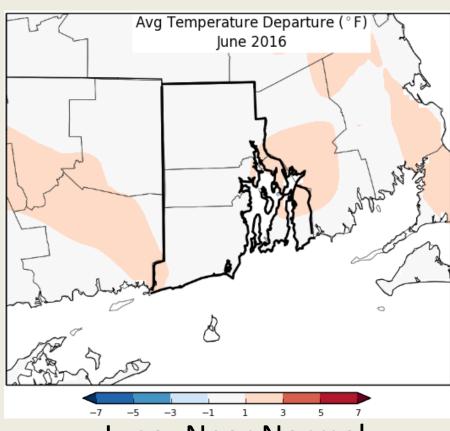
August Month-to-Date Rainfall



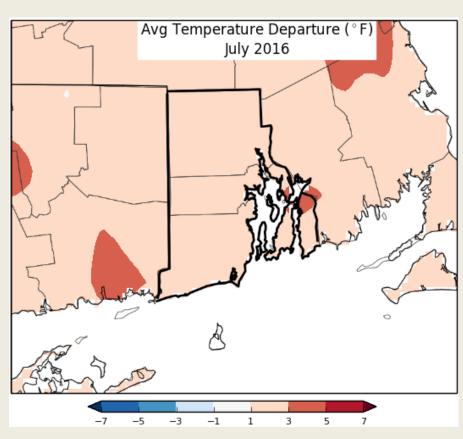
Monthly Temperature Departure from Normal



May- Near Normal PVD/TF Green +0.9



June- Near Normal PVD/TF Green +0.8

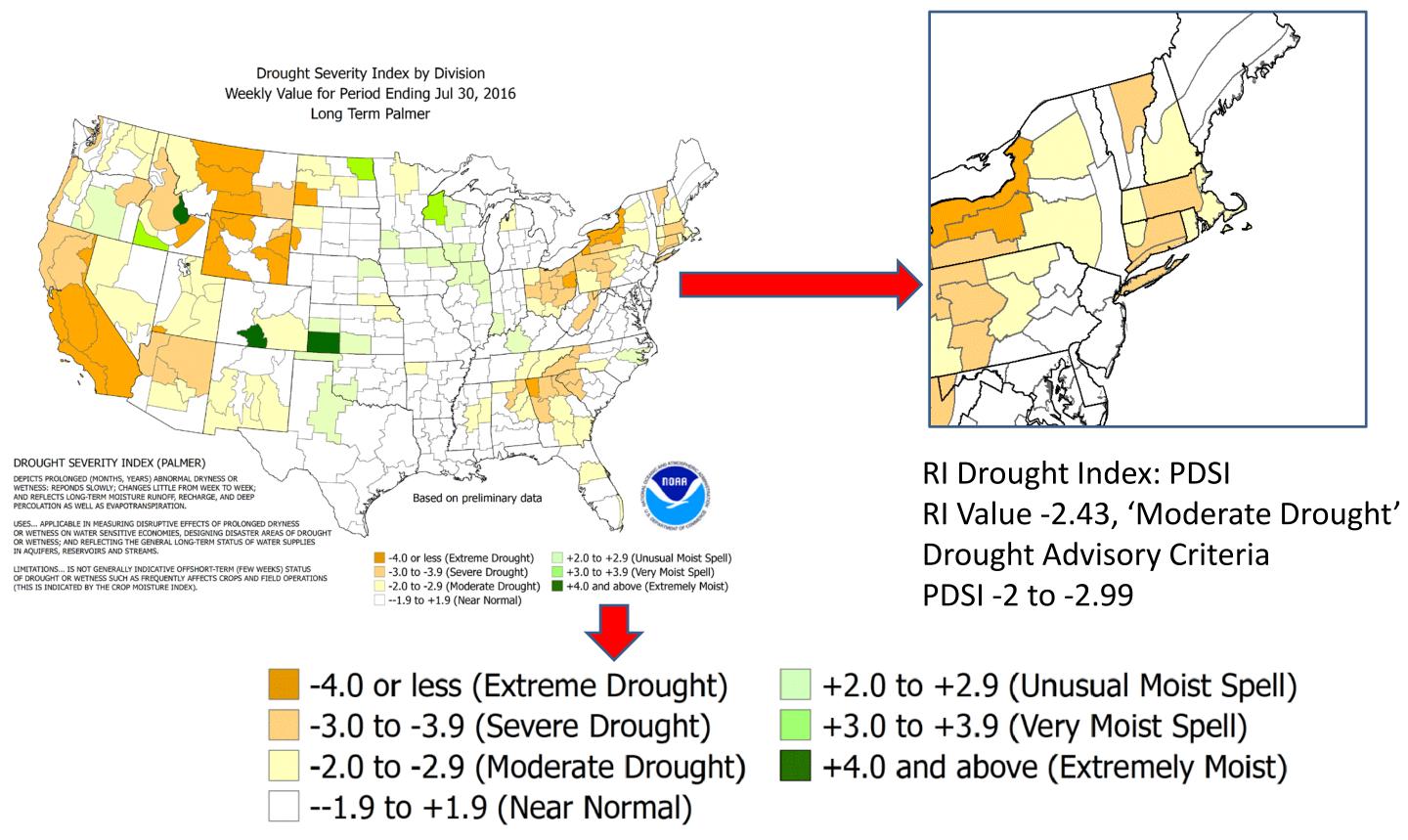


July- Above Normal PVD/TF Green +2.5

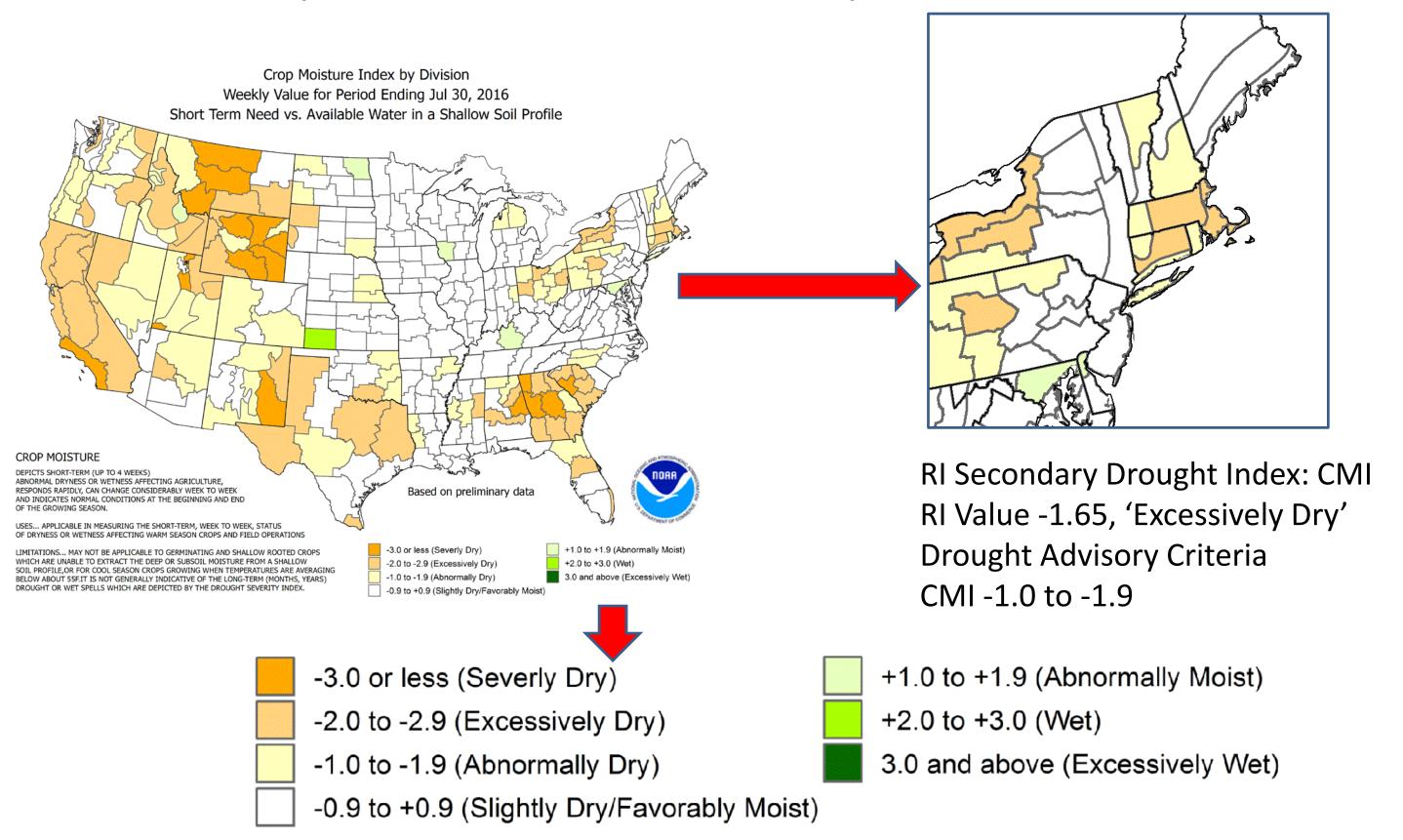




Palmer Drought Severity Index (PDSI)- Updated 7/30/16

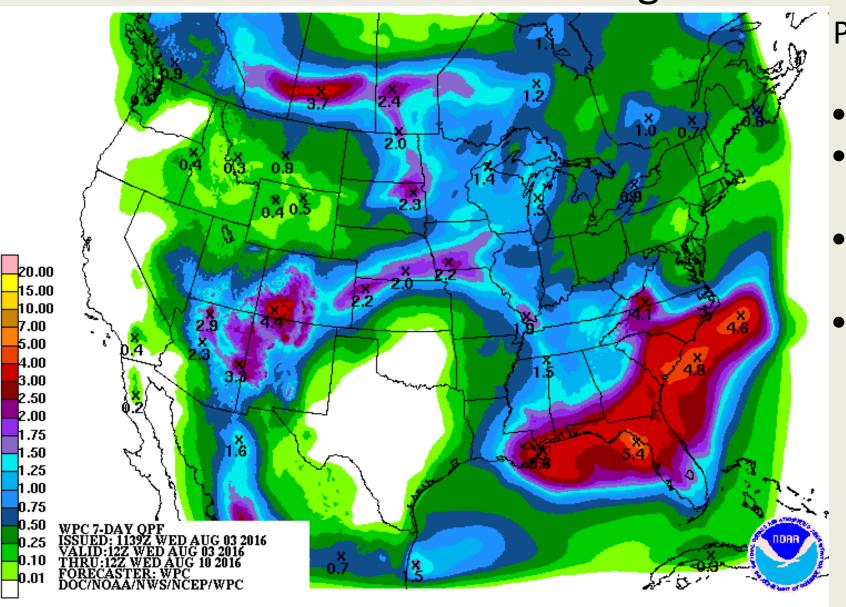


Crop Moisture Index (CMI)- Updated 7/30/16



Forecast for the Next 7 Days

Rainfall Forecast thru 8 AM Aug 10th



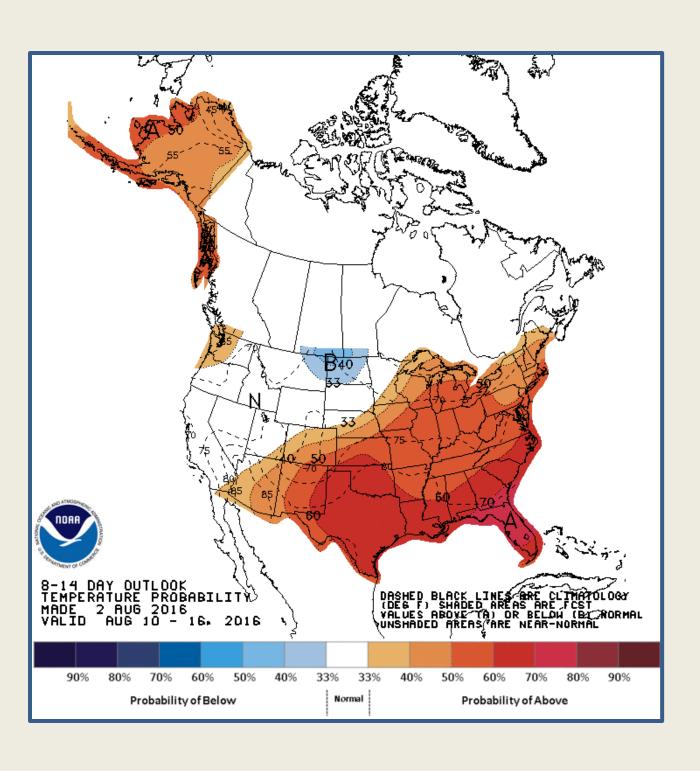
Predominant Pattern:

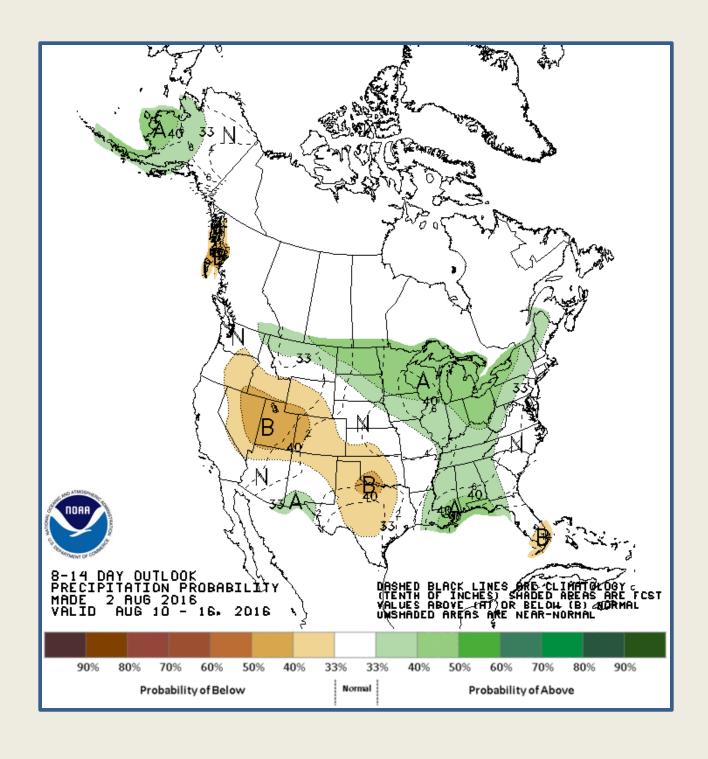
- High Pressure stays over New England
- Cold Front on Saturday brings scattered showers/t-storms
- Rainfall below normal
 - Could be 0.25" or less
- Temps near/slightly above normal
 - Lows in the 60s
 - Highs in the 80s





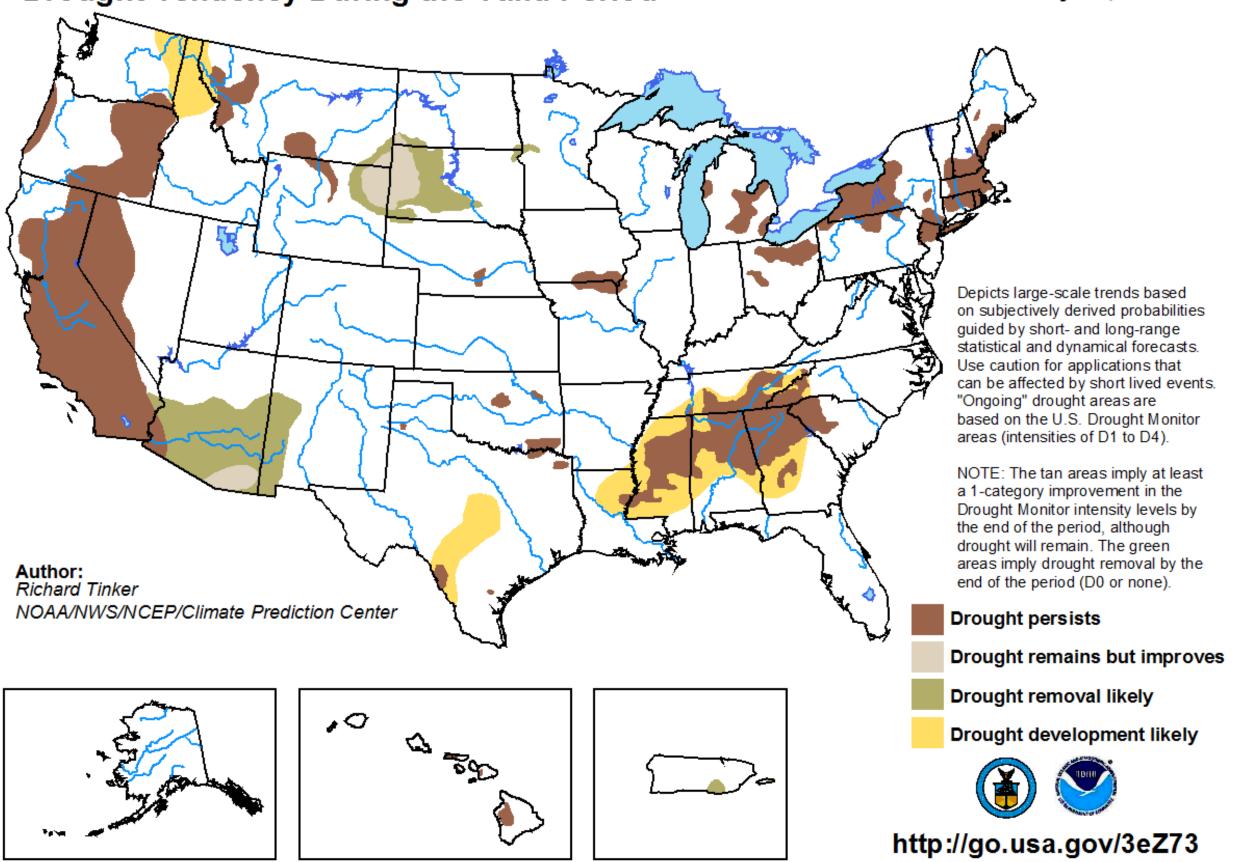
Outlook: August 10th-16th





U.S. Seasonal Drought Outlook Drought Tendency During the Valid Period

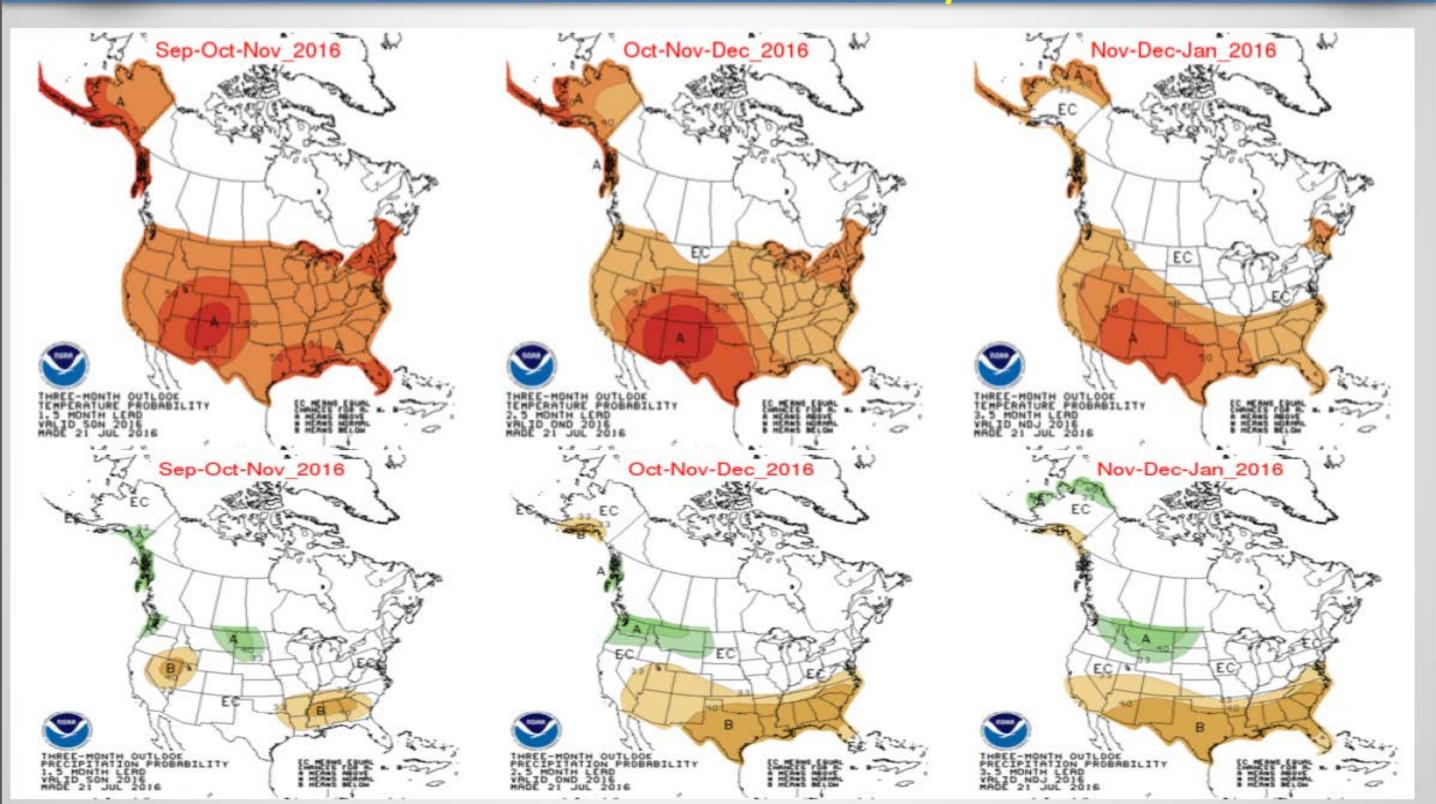
Valid for July 21 - October 31, 2016 Released July 21, 2016





CPC -- 3-monthly Outlooks Warm with Normal Precipitation



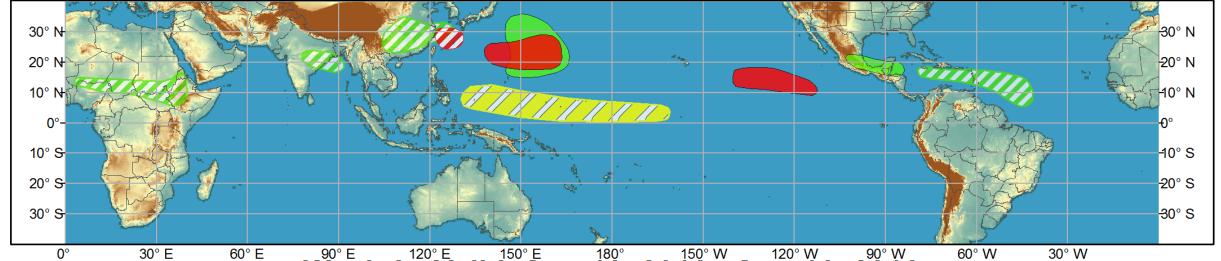


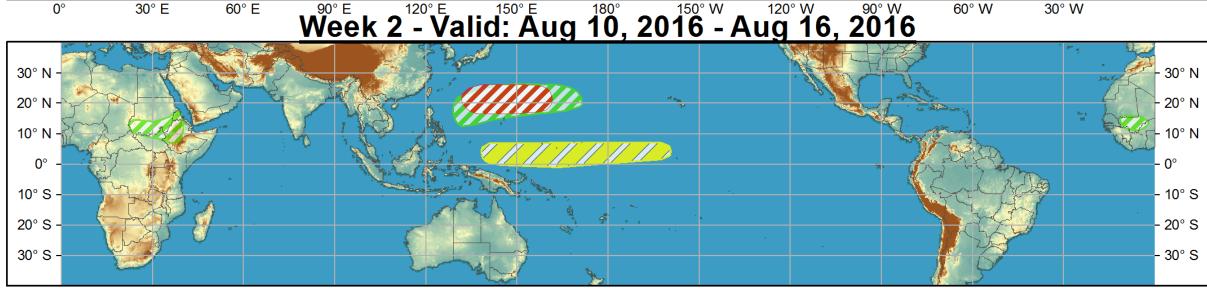


Global Tropics Hazards and Benefits Outlook - Climate Prediction Center









Confidence

High Moderate

Forecaster: Pugh

Tropical Cyclone Formation Development of a tropical cyclone (tropical depression - TD, or greater strength).

Above-average rainfall Weekly total rainfall in the upper third of the historical range.

Below-average rainfall Weekly total rainfall in the lower third of the historical range.

Above-normal temperatures 7-day mean temperatures in the upper third of the historical range.

Below-normal temperatures 7-day mean temperatures in the lower third of the historical range.

Product is updated once per week, except from 6/1 - 11/30 for the region from 120E to 0, 0 to 40N. The product targets broad scale conditions integrated over a 7-day period for US interests only. Consult your local responsible forecast agency.

















2016 Hurricane Season

Climatologic Height of Season ... Late Aug-Late Sept

2016 Atlantic Hurricane Season Outlook

Named storms: 10 - 16

Hurricanes: 4 - 8 Major hurricanes:

> Outlook probability

Abovenormal 30% Near mormal 45% Belownormal season 25%



Be prepared: Visit hurricanes.gov

and follow @NWS and @NHC_Atlantic on Twitter

2016 Atlantic Tropical Cyclone Names

lan

Julia

Karl Lisa

Earl

Fiona Gaston Hermine

Matthew

Nicole

Paula

Richard

Shary

Tobias Virginie

Otto

Walter

Be prepared: Visit hurricanes gov and follow @NWS and @NHC_Atlantic on Twitter

