

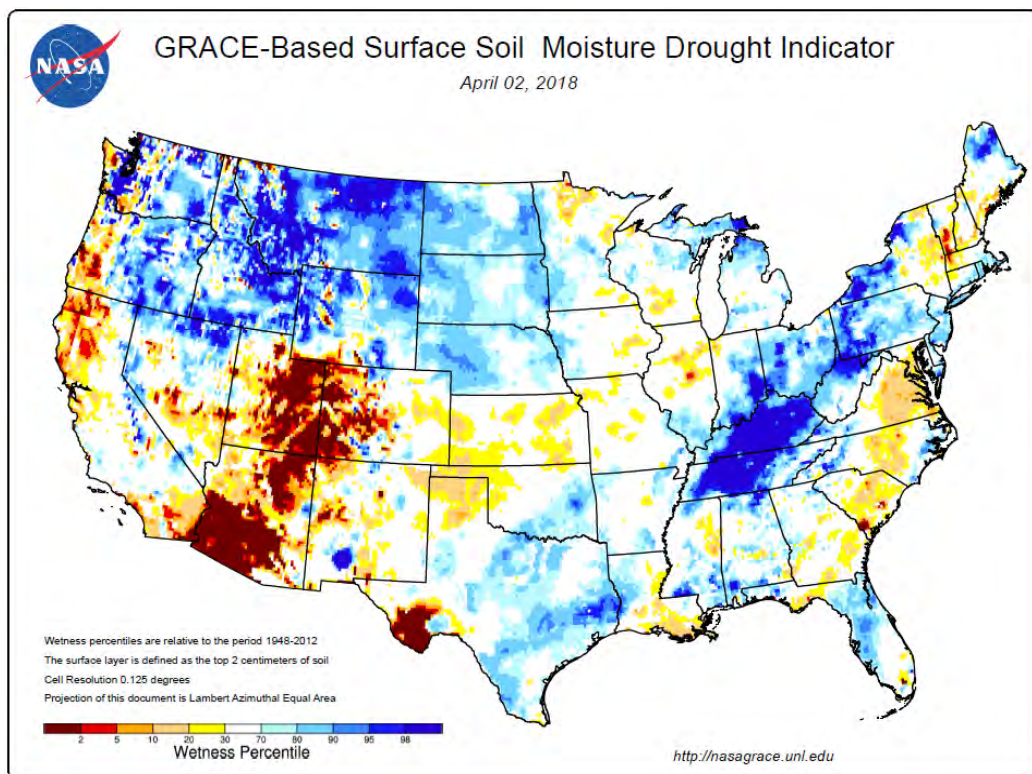
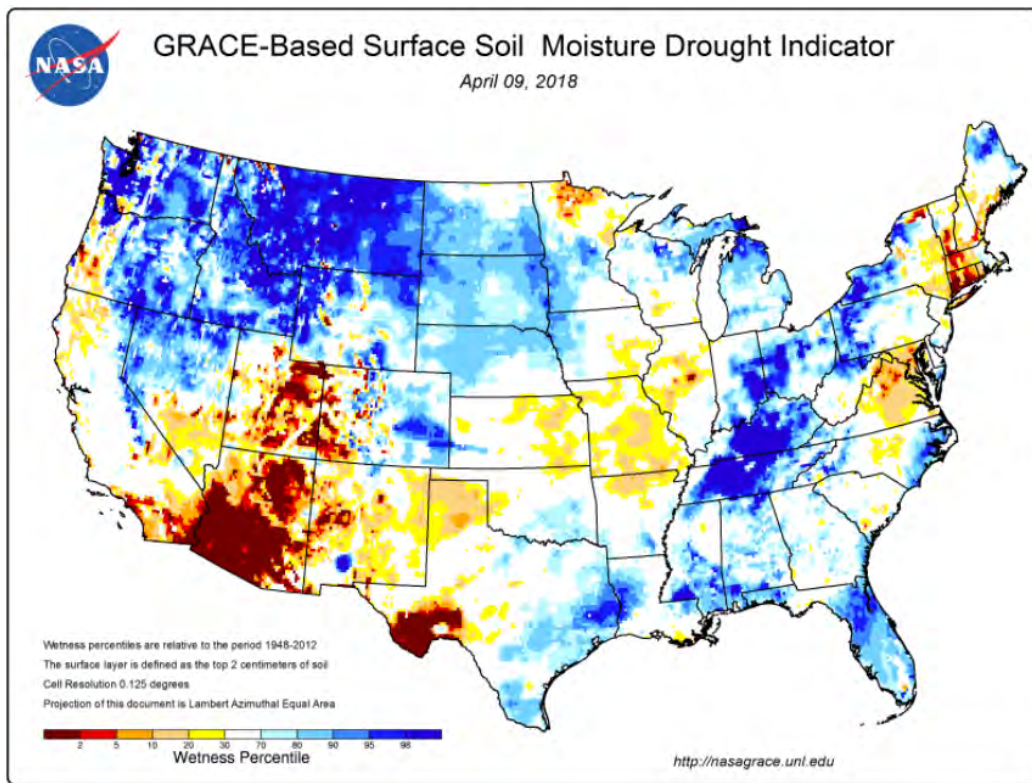
Groundwater and Soil Moisture Conditions from GRACE Data Assimilation

Scientists at NASA's Goddard Space Flight Center generate groundwater and soil moisture drought indicators each week. They are based on terrestrial water storage observations derived from GRACE satellite data and integrated with other observations, using a sophisticated numerical model of land surface water and energy processes. The drought indicators describe current wet or dry conditions, expressed as a percentile showing the probability of occurrence within the period of record from 1948 to the present, with lower values (warm colors) meaning dryer than normal, and higher values (blues) meaning wetter than normal.

<http://nasagrace.unl.edu/Default.aspx>

09 April 2018 back to 12 February 2018

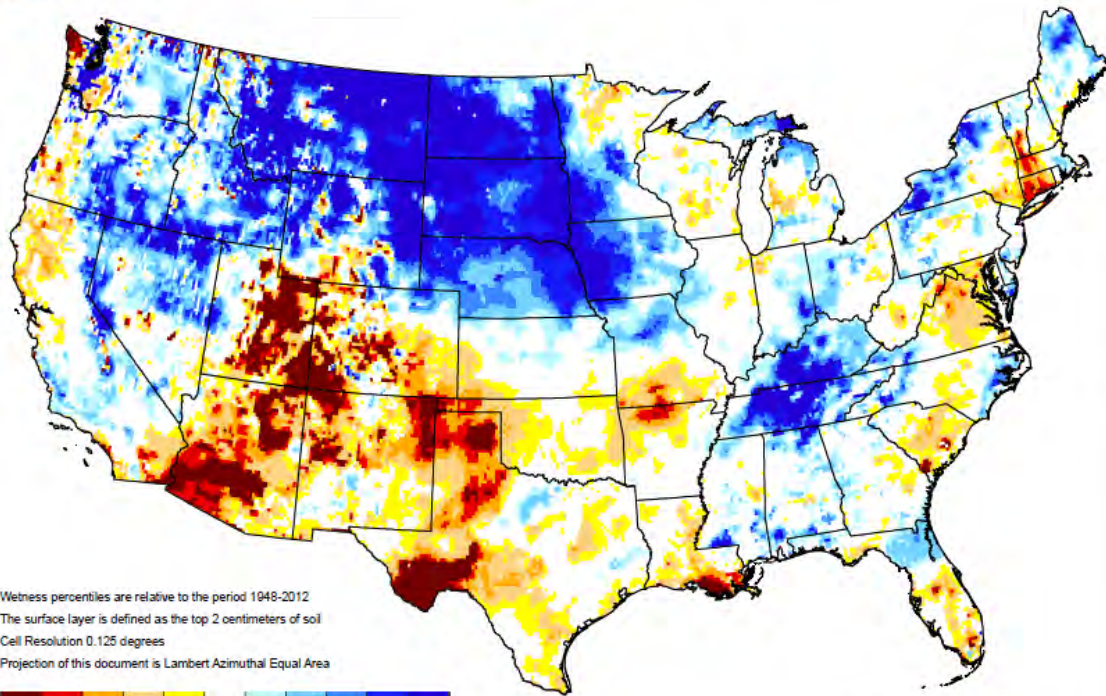
Surface Soil Moisture (top 2 cm)



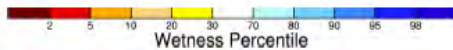


GRACE-Based Surface Soil Moisture Drought Indicator

March 26, 2018



Wetness percentiles are relative to the period 1948-2012
The surface layer is defined as the top 2 centimeters of soil
Cell Resolution 0.125 degrees
Projection of this document is Lambert Azimuthal Equal Area

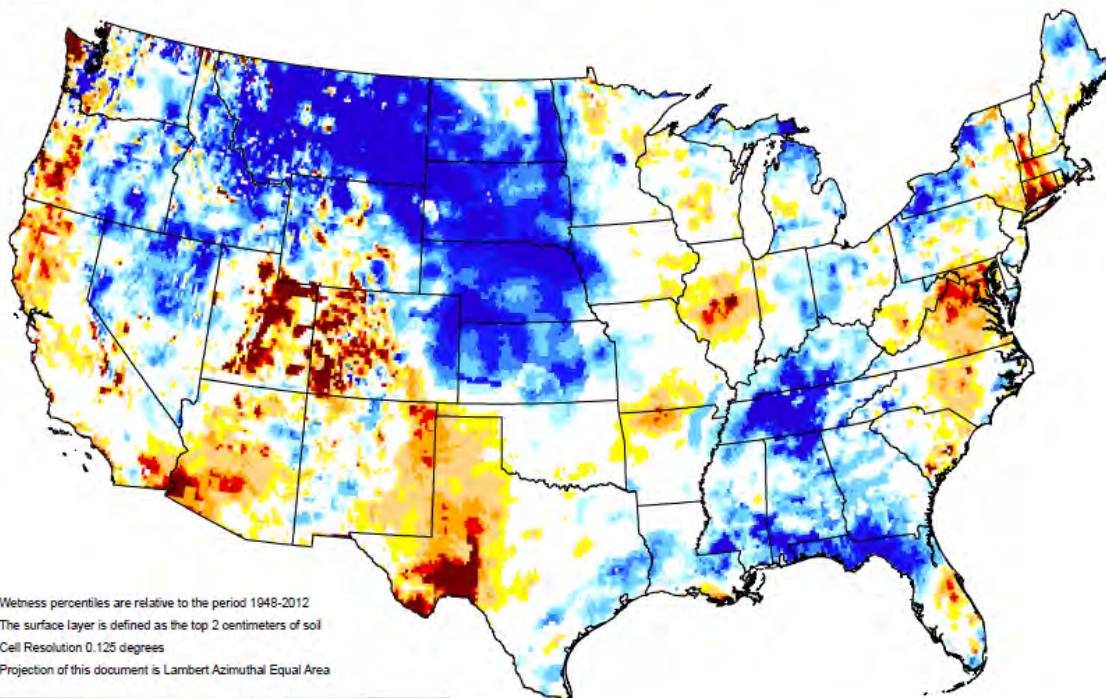


<http://nasagrace.unl.edu>

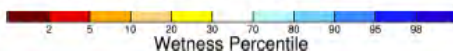


GRACE-Based Surface Soil Moisture Drought Indicator

March 19, 2018



Wetness percentiles are relative to the period 1948-2012
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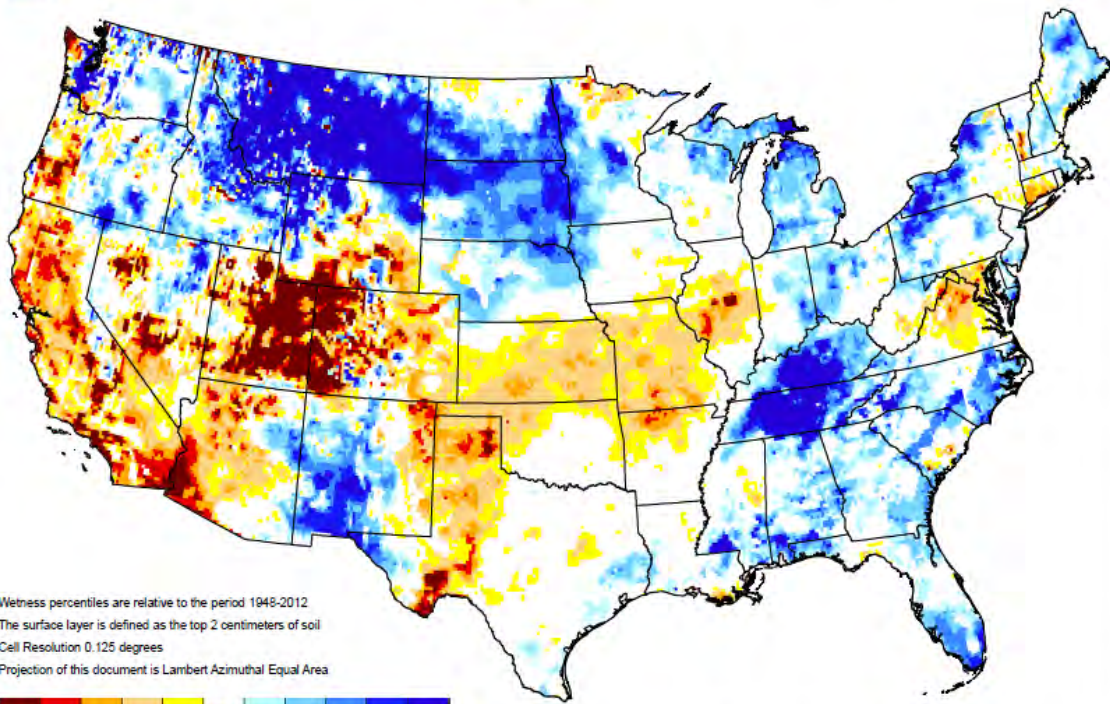


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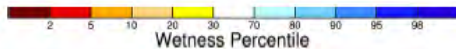


GRACE-Based Surface Soil Moisture Drought Indicator

March 12, 2018



Wetness percentiles are relative to the period 1948-2012
The surface layer is defined as the top 2 centimeters of soil
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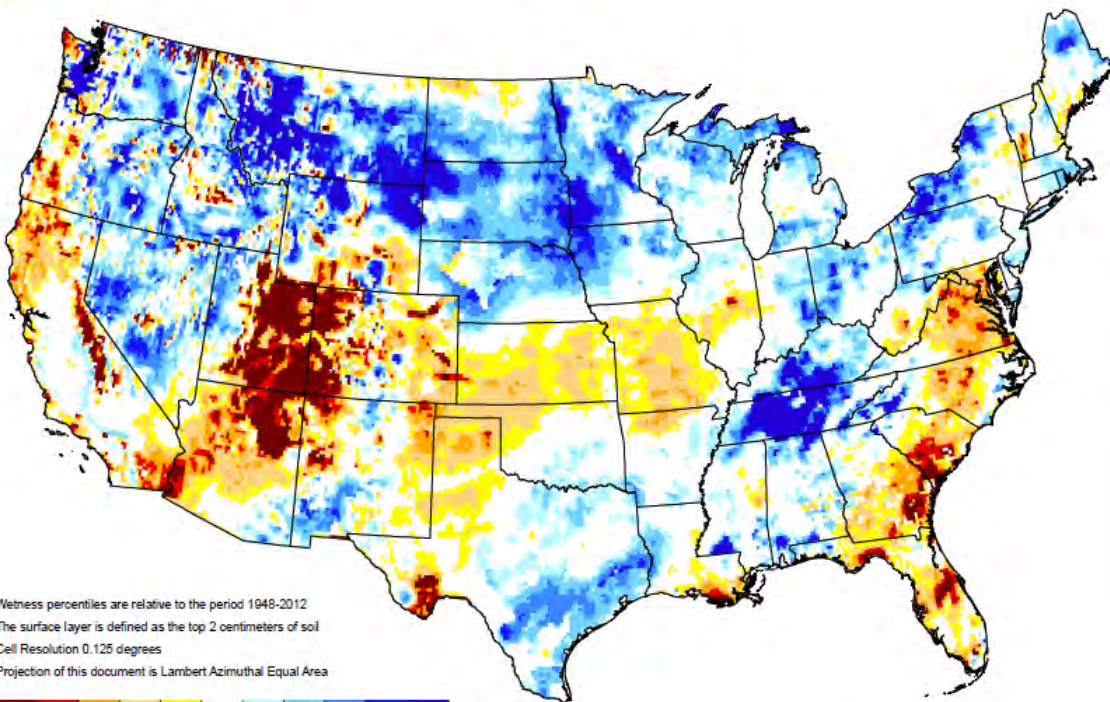


<http://nasagrace.unl.edu>

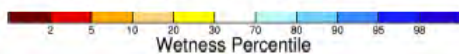


GRACE-Based Surface Soil Moisture Drought Indicator

March 05, 2018



Wetness percentiles are relative to the period 1948-2012
The surface layer is defined as the top 2 centimeters of soil
Cell Resolution 0.125 degrees
Projection of this document is Lambert Azimuthal Equal Area

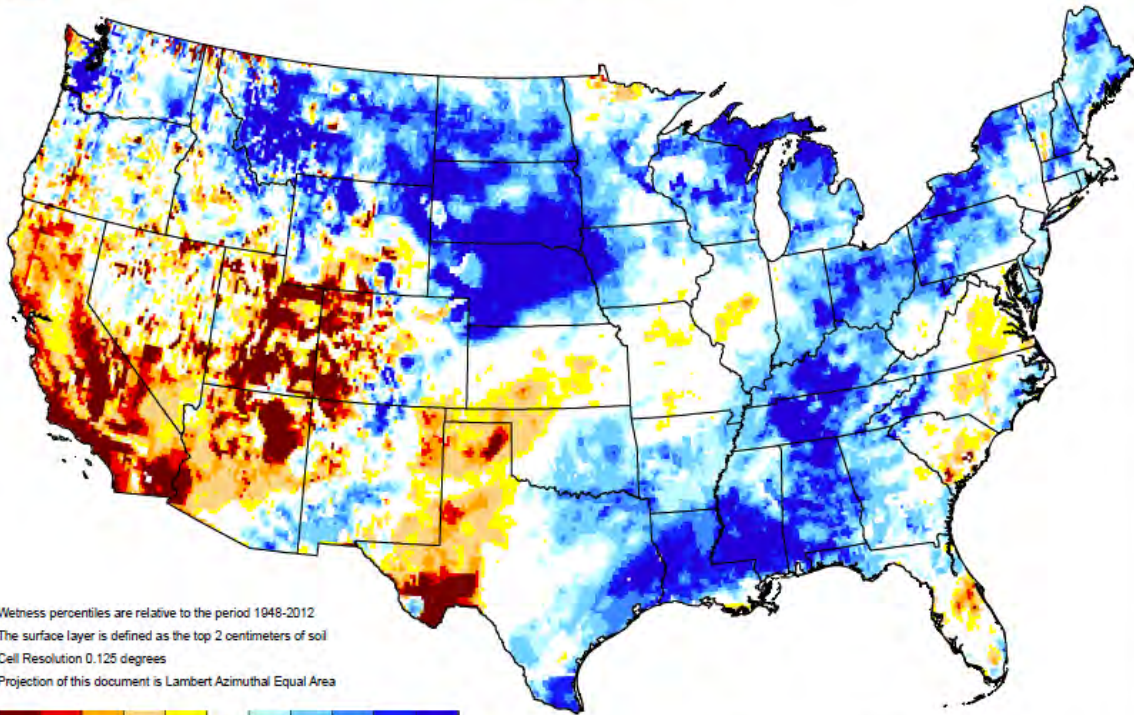


<http://nasagrace.unl.edu>



GRACE-Based Surface Soil Moisture Drought Indicator

February 26, 2018

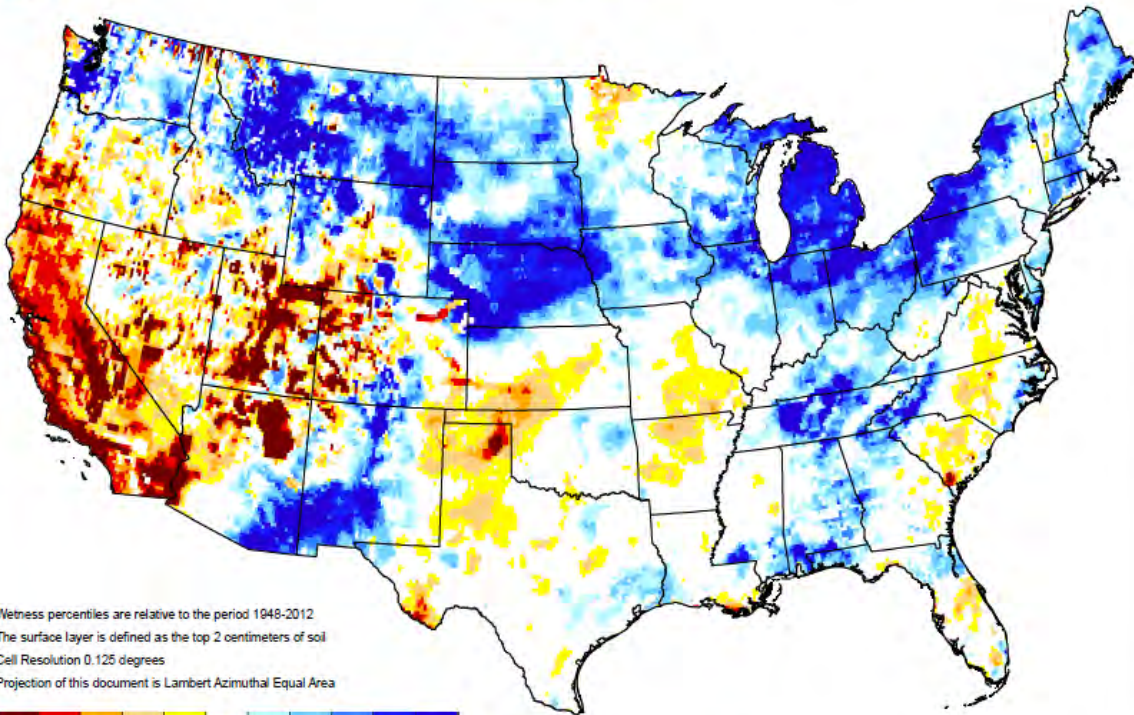


<http://nasagrace.unl.edu>



GRACE-Based Surface Soil Moisture Drought Indicator

February 19, 2018

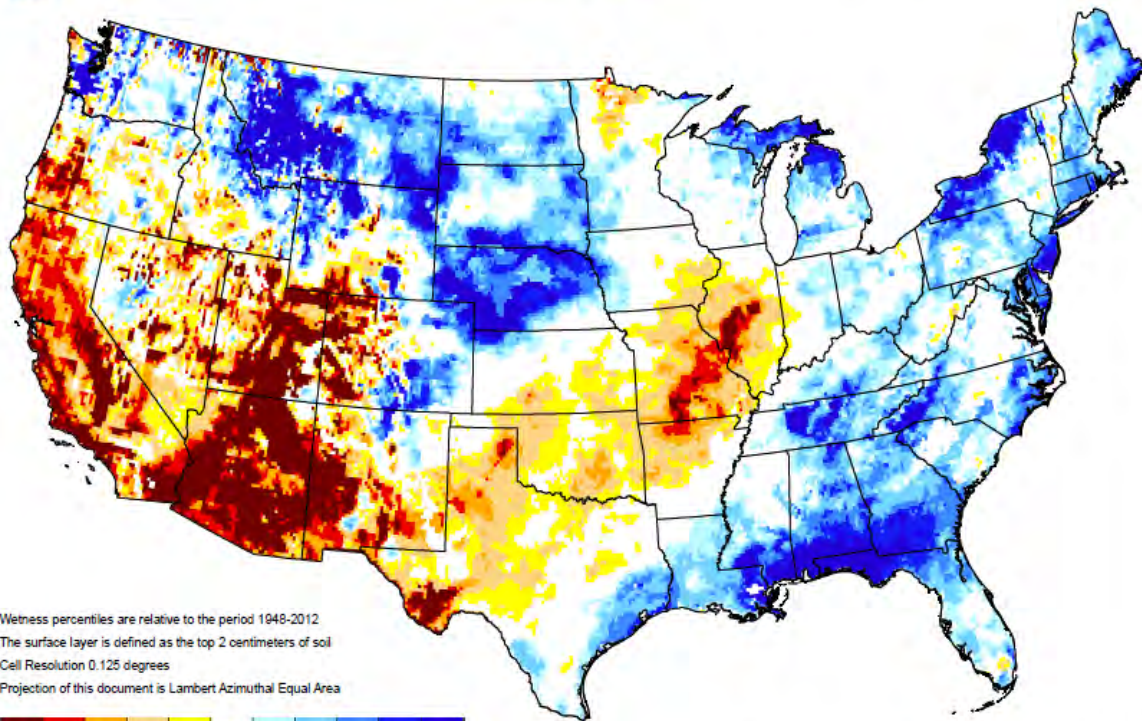


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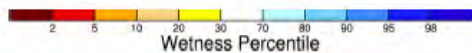


GRACE-Based Surface Soil Moisture Drought Indicator

February 12, 2018



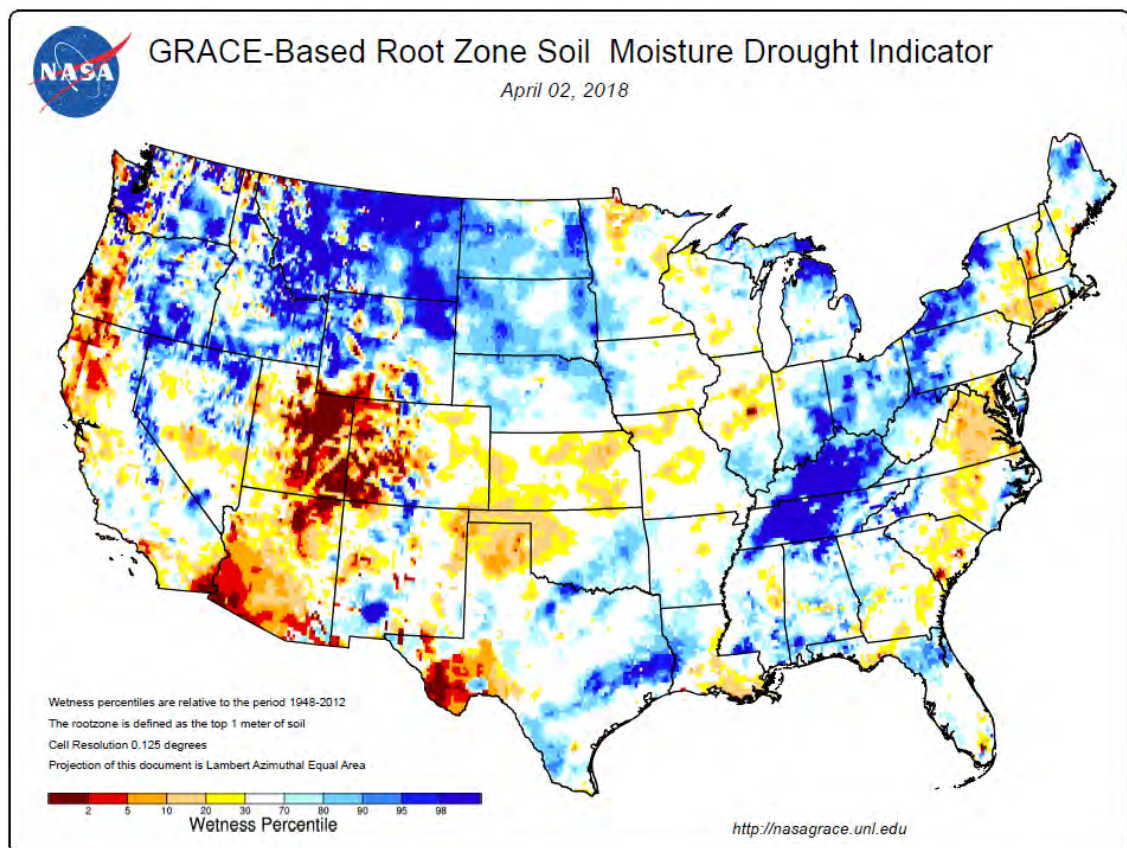
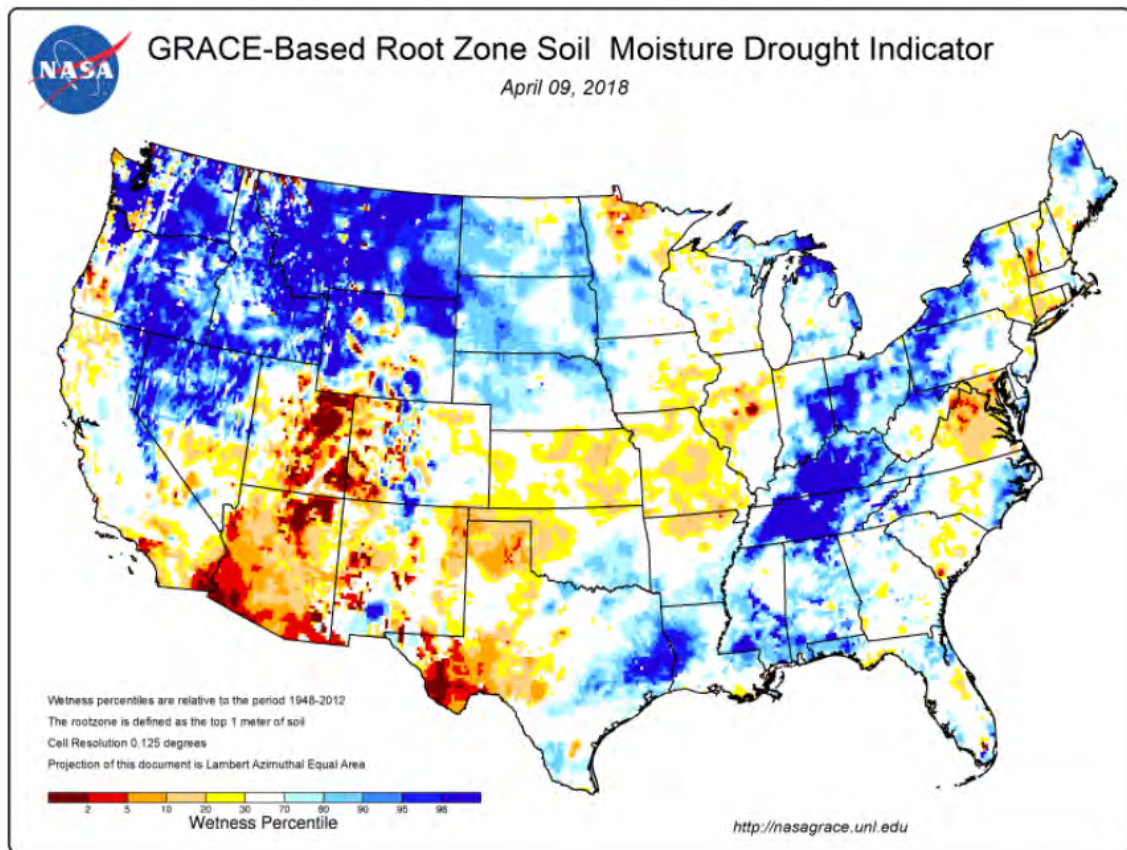
Wetness percentiles are relative to the period 1948-2012
The surface layer is defined as the top 2 centimeters of soil
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Wetness Percentile

<http://nasagrace.unl.edu>

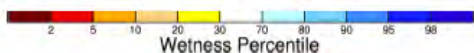
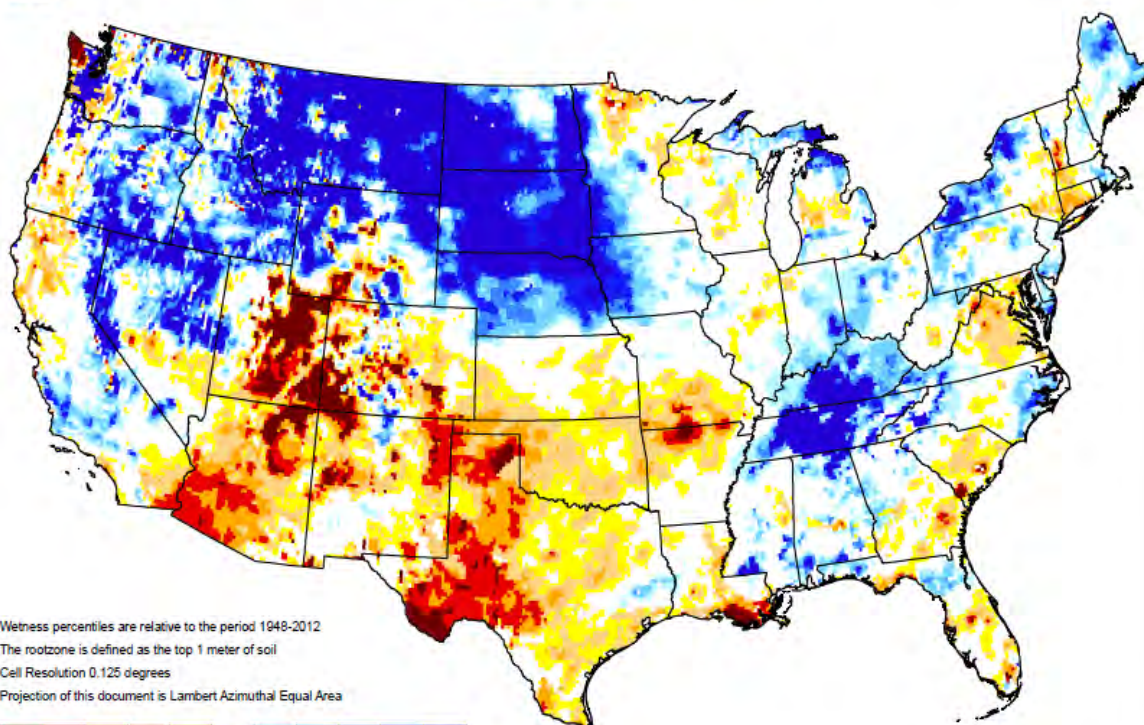
Root Zone Moisture (top 1 m of soil)





GRACE-Based Root Zone Soil Moisture Drought Indicator

March 26, 2018

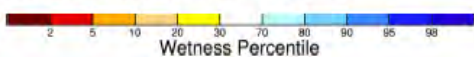
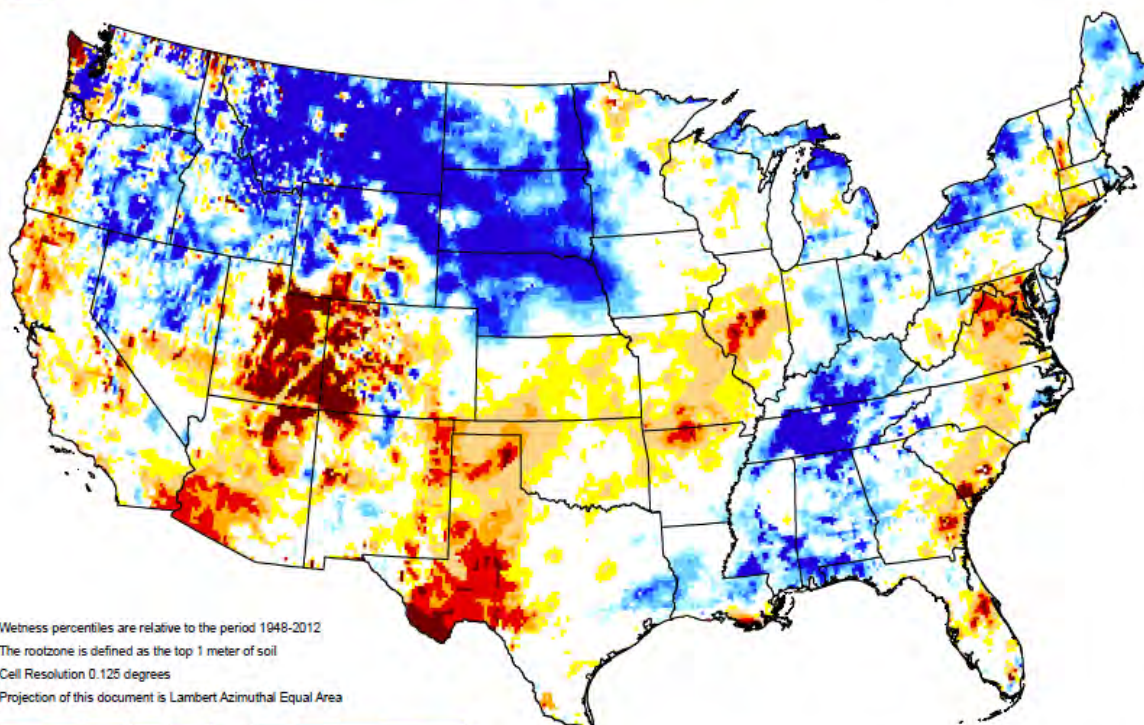


<http://nasagrace.unl.edu>



GRACE-Based Root Zone Soil Moisture Drought Indicator

March 19, 2018

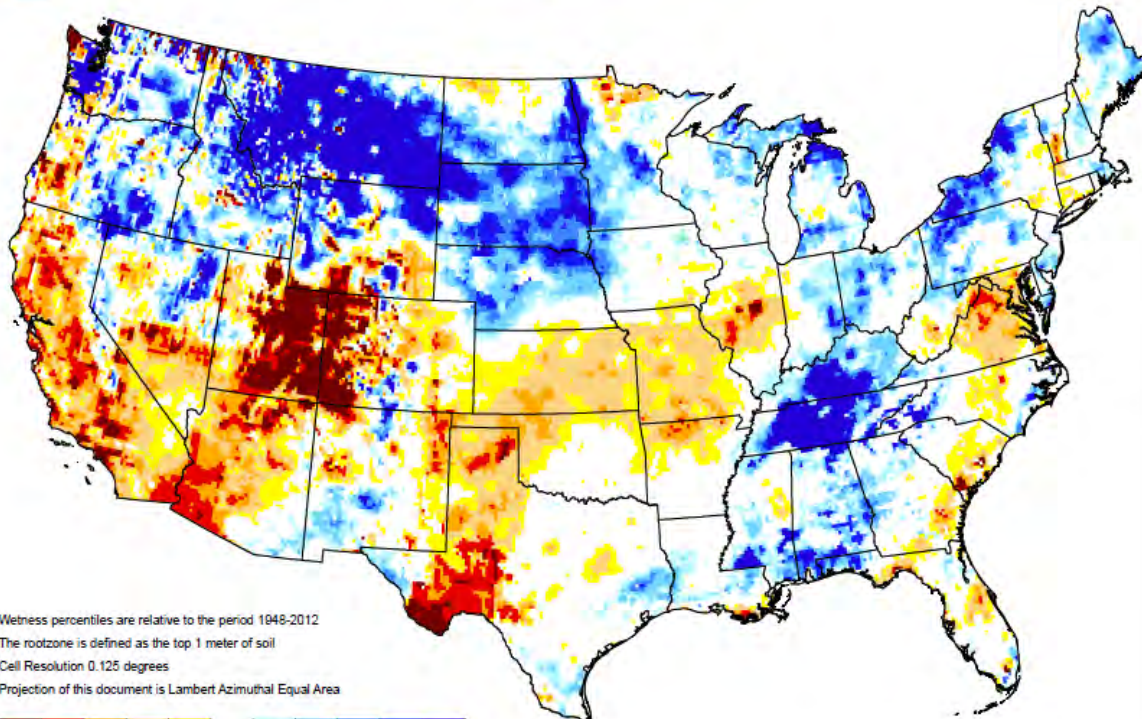


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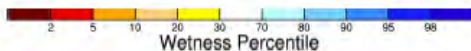


GRACE-Based Root Zone Soil Moisture Drought Indicator

March 12, 2018



Wetness percentiles are relative to the period 1948-2012
The rootzone is defined as the top 1 meter of soil
Cell Resolution 0.125 degrees
Projection of this document is Lambert Azimuthal Equal Area



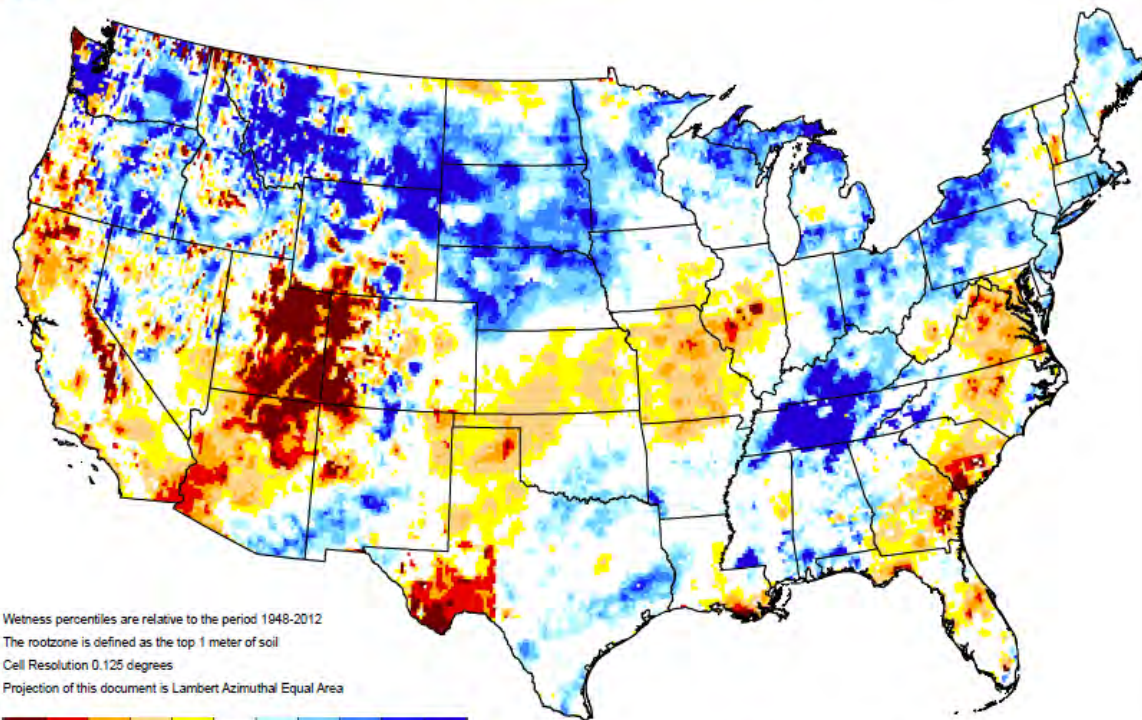
Wetness Percentile

<http://nasagrace.unl.edu>

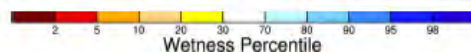


GRACE-Based Root Zone Soil Moisture Drought Indicator

March 05, 2018



Wetness percentiles are relative to the period 1948-2012
The rootzone is defined as the top 1 meter of soil
Cell Resolution 0.125 degrees
Projection of this document is Lambert Azimuthal Equal Area



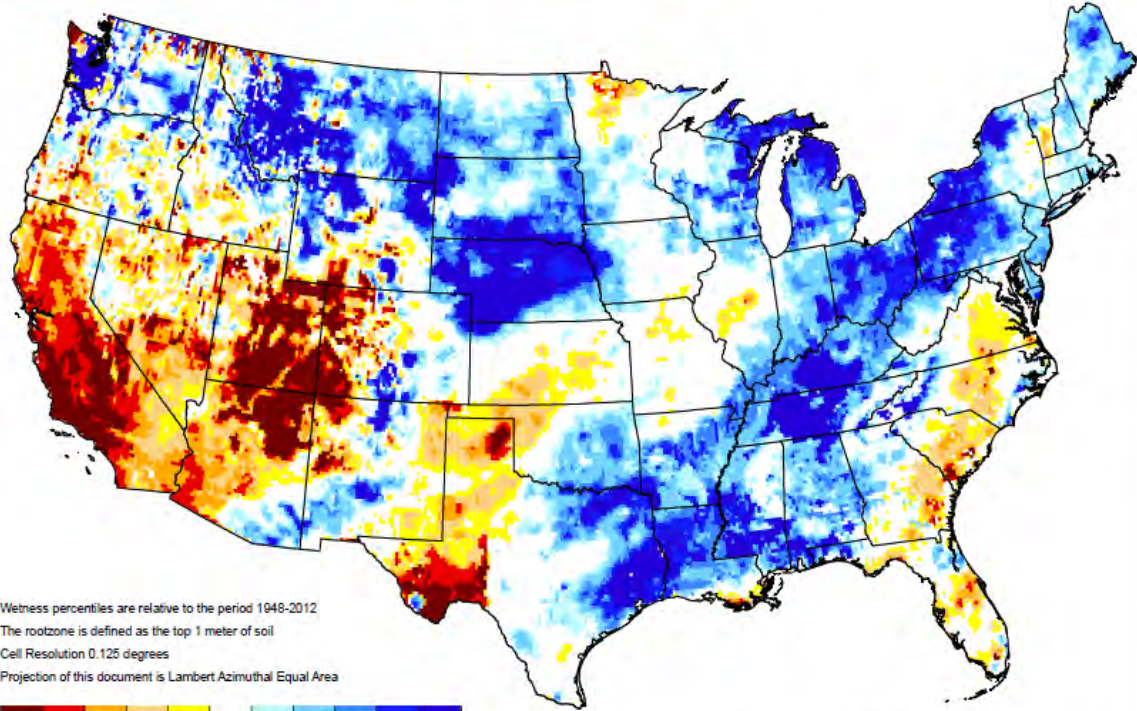
Wetness Percentile

<http://nasagrace.unl.edu>

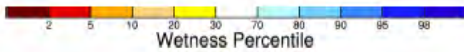


GRACE-Based Root Zone Soil Moisture Drought Indicator

February 26, 2018



Wetness percentiles are relative to the period 1948-2012
The rootzone is defined as the top 1 meter of soil
Cell Resolution 0.125 degrees
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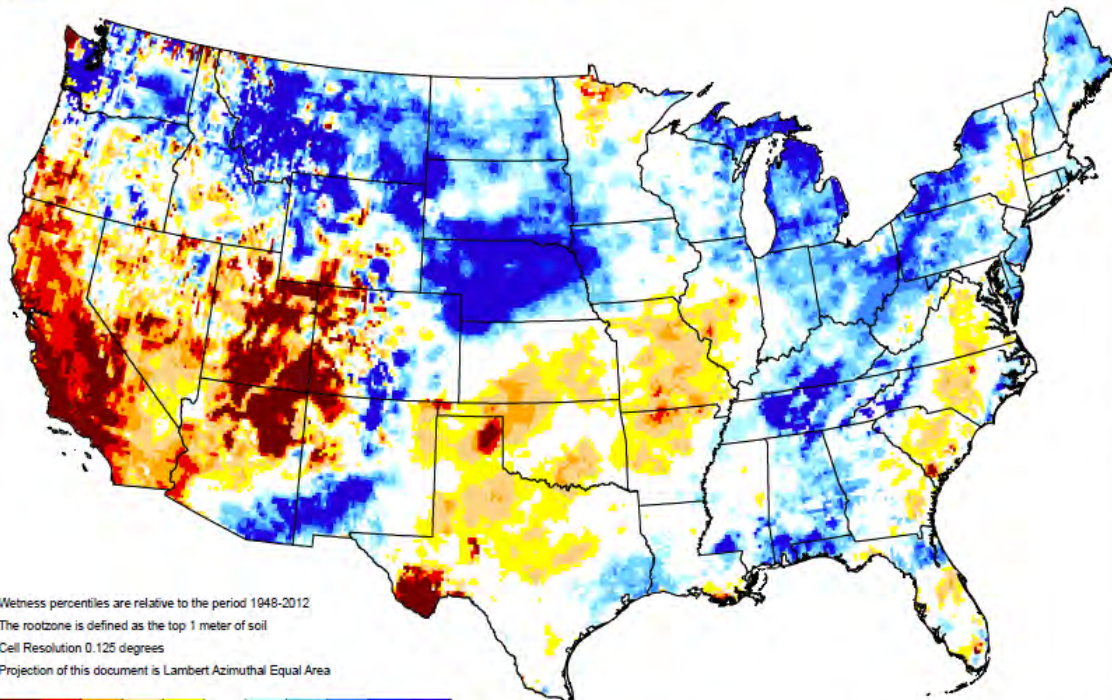
Wetness Percentile

<http://nasagrace.unl.edu>

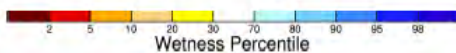


GRACE-Based Root Zone Soil Moisture Drought Indicator

February 19, 2018



Wetness percentiles are relative to the period 1948-2012
The rootzone is defined as the top 1 meter of soil
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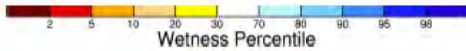
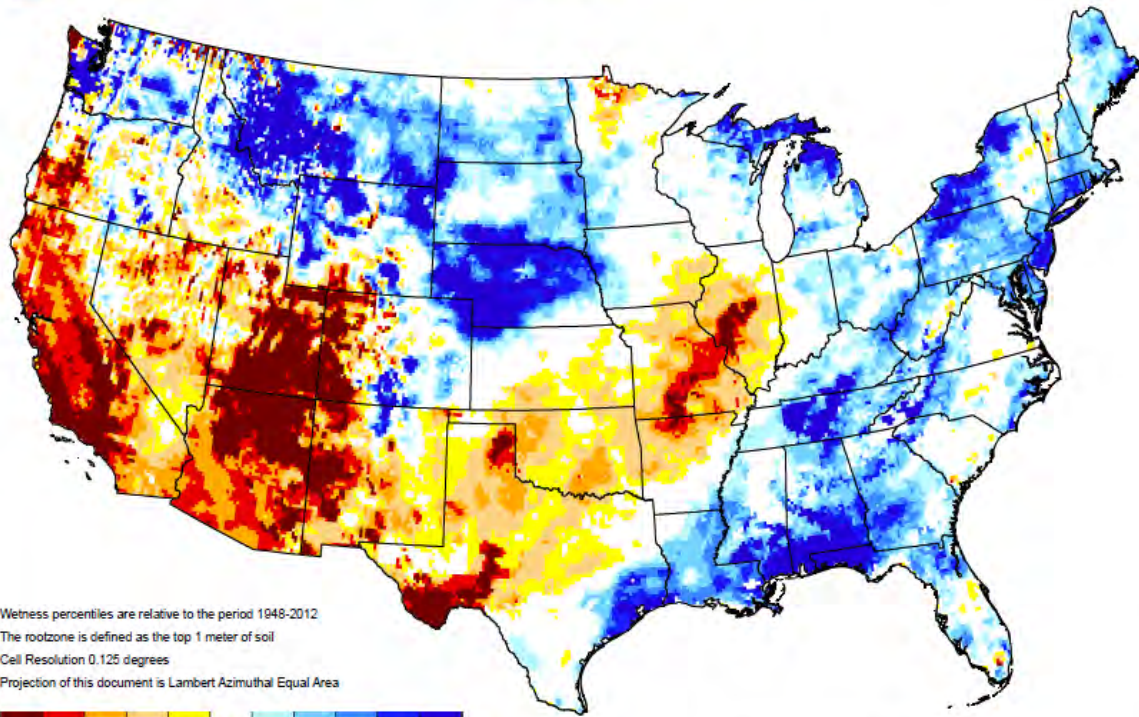
Wetness Percentile

<http://nasagrace.unl.edu>



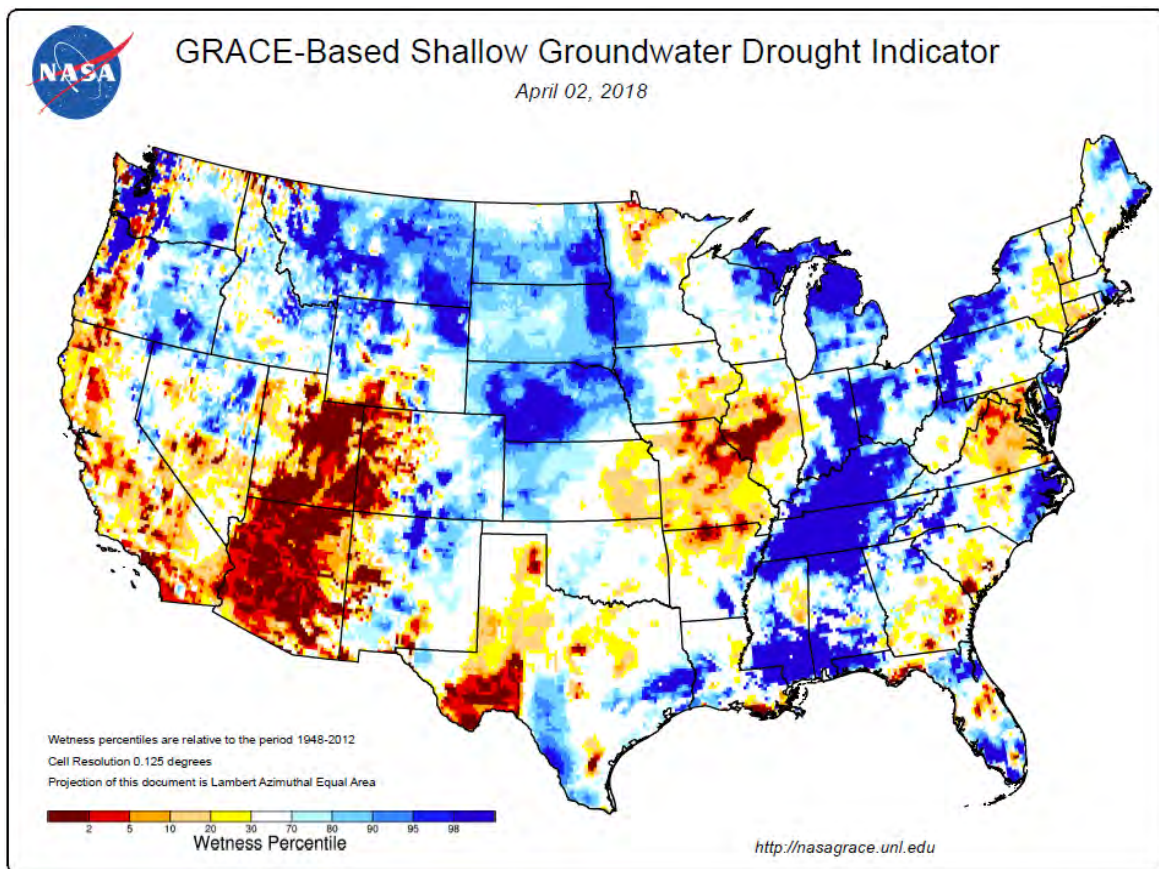
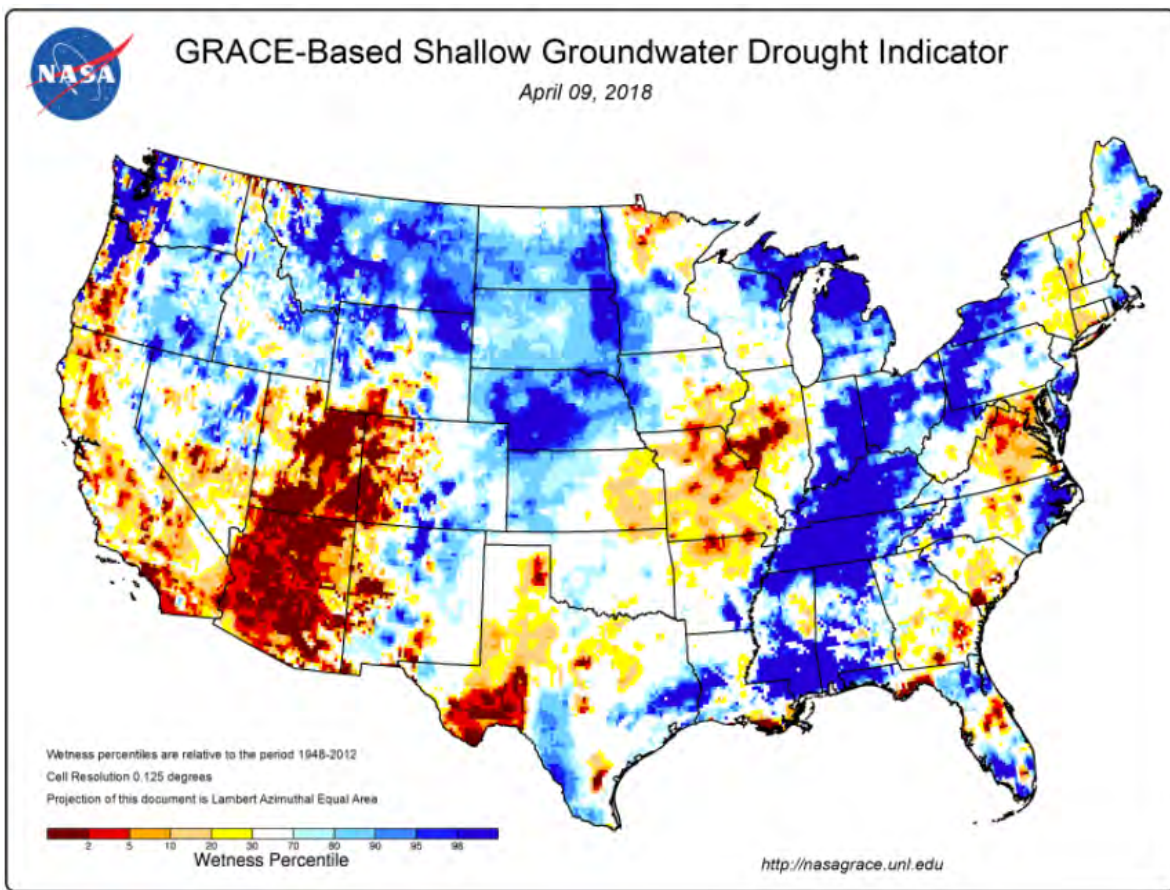
GRACE-Based Root Zone Soil Moisture Drought Indicator

February 12, 2018



<http://nasagrace.unl.edu>

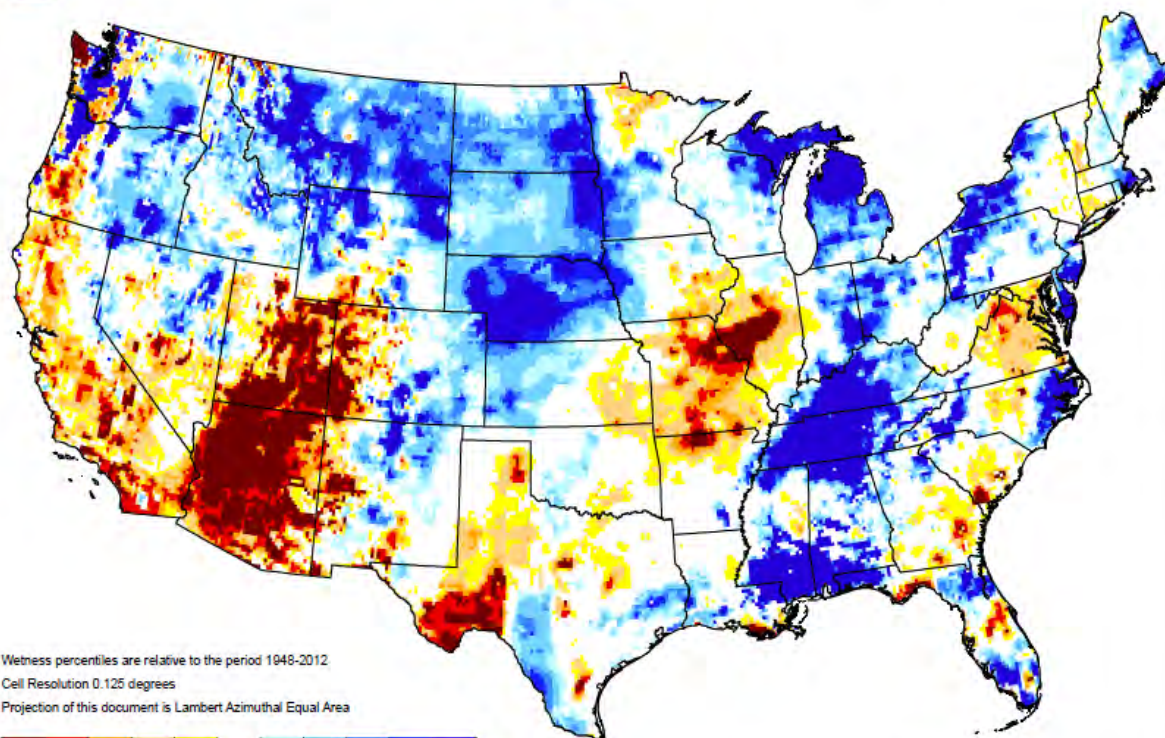
Shallow Groundwater Drought Indicator





GRACE-Based Shallow Groundwater Drought Indicator

March 26, 2018



Wetness percentiles are relative to the period 1948-2012
Cell Resolution 0.125 degrees
Projection of this document is Lambert Azimuthal Equal Area

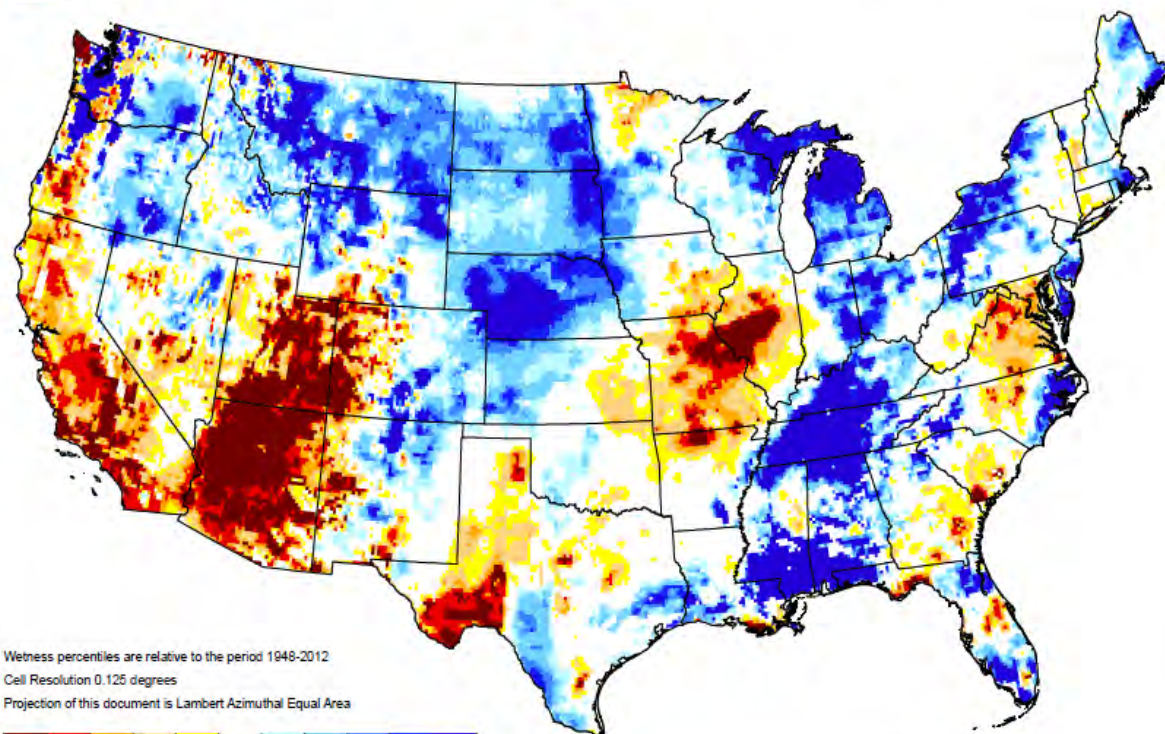


<http://nasagrace.unl.edu>



GRACE-Based Shallow Groundwater Drought Indicator

March 19, 2018



Wetness percentiles are relative to the period 1948-2012
Cell Resolution 0.125 degrees
Projection of this document is Lambert Azimuthal Equal Area

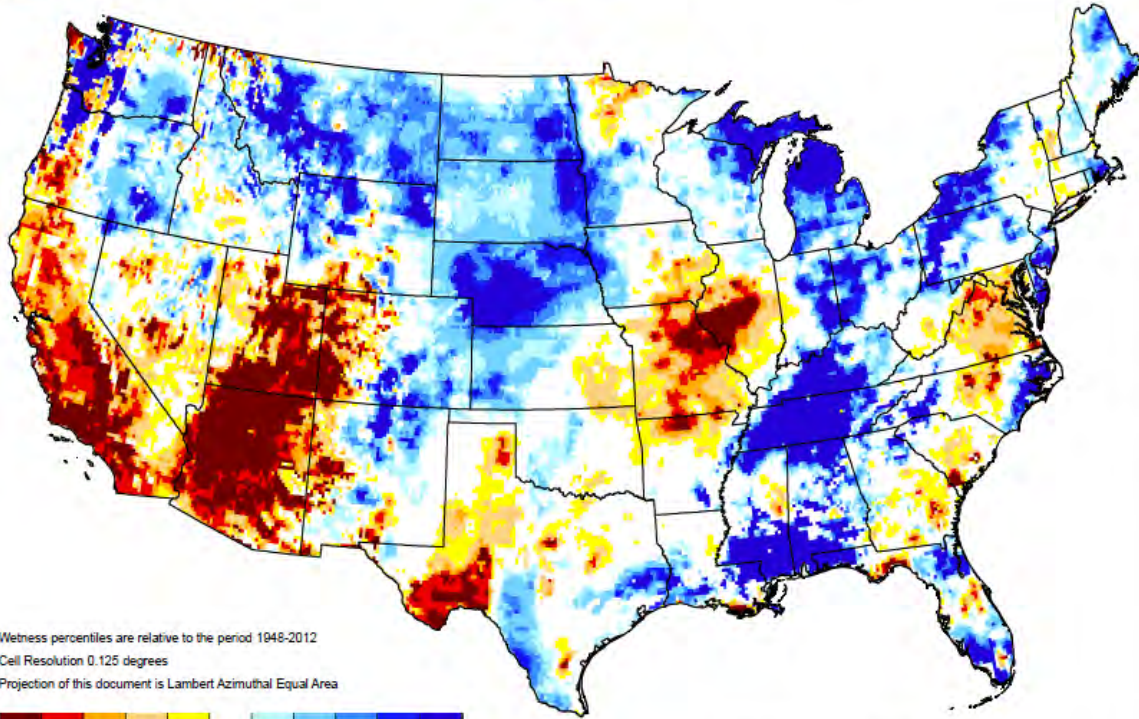


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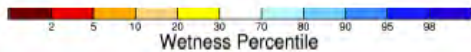


GRACE-Based Shallow Groundwater Drought Indicator

March 12, 2018



Wetness percentiles are relative to the period 1948-2012
Cell Resolution 0.125 degrees
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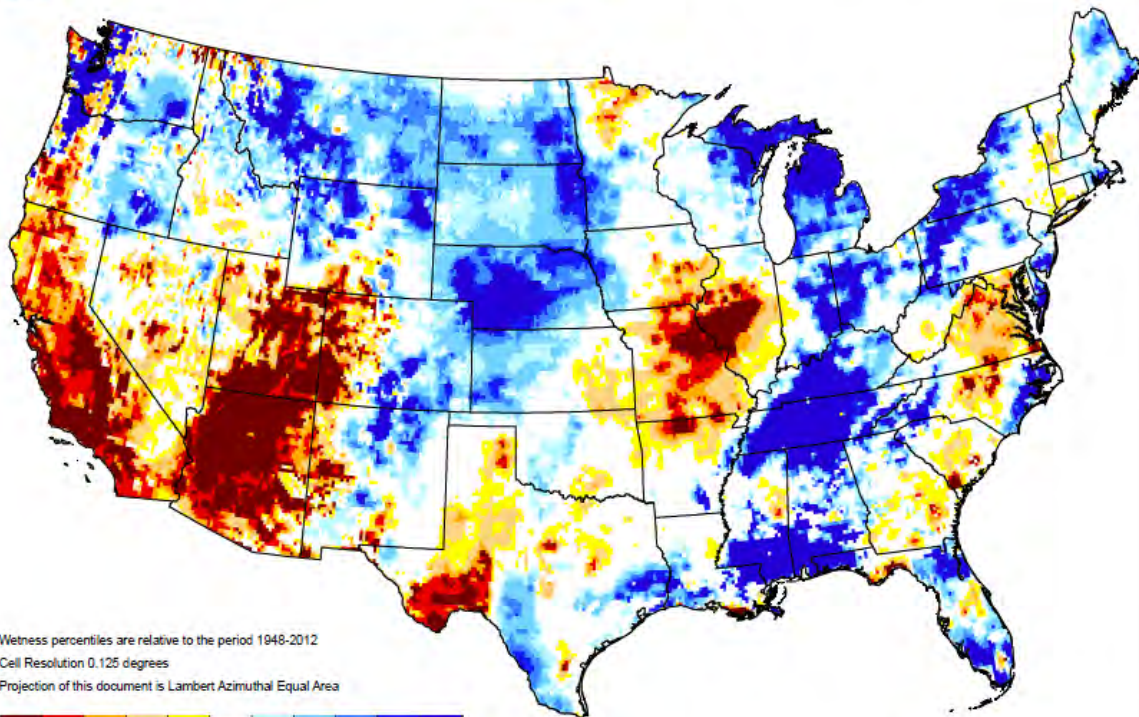


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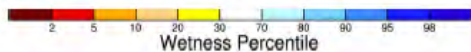


GRACE-Based Shallow Groundwater Drought Indicator

March 05, 2018



Wetness percentiles are relative to the period 1948-2012
Cell Resolution 0.125 degrees
Projection of this document is Lambert Azimuthal Equal Area

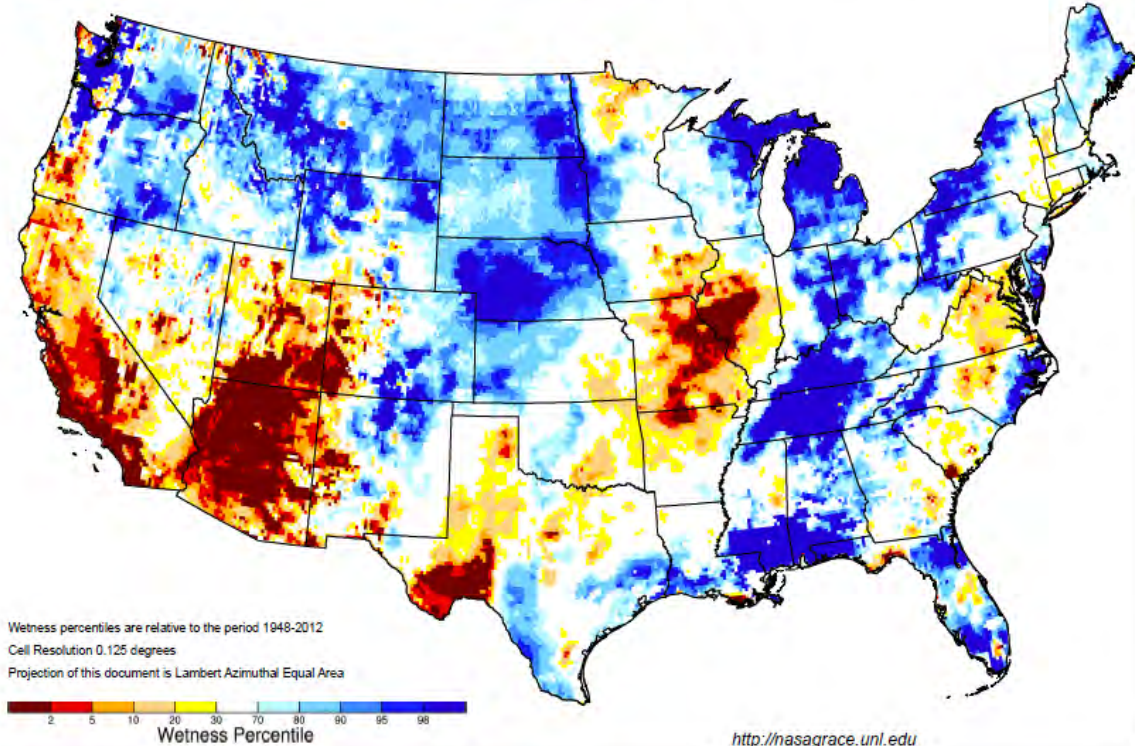


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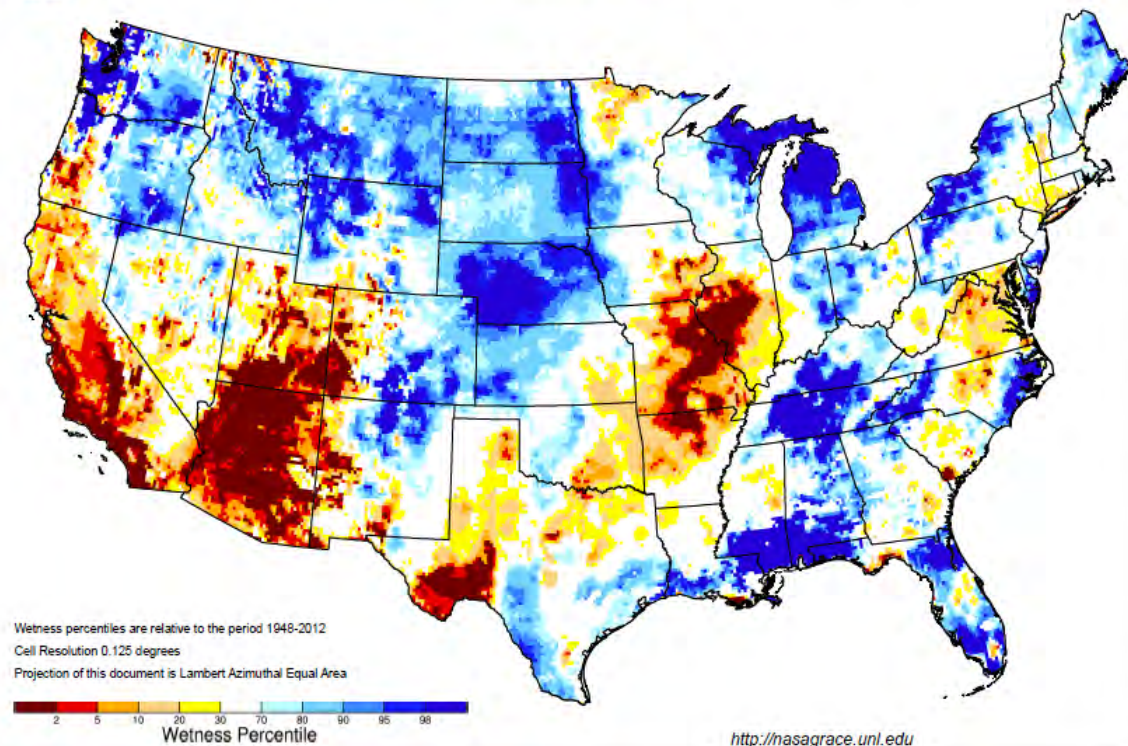
GRACE-Based Shallow Groundwater Drought Indicator

February 26, 2018



GRACE-Based Shallow Groundwater Drought Indicator

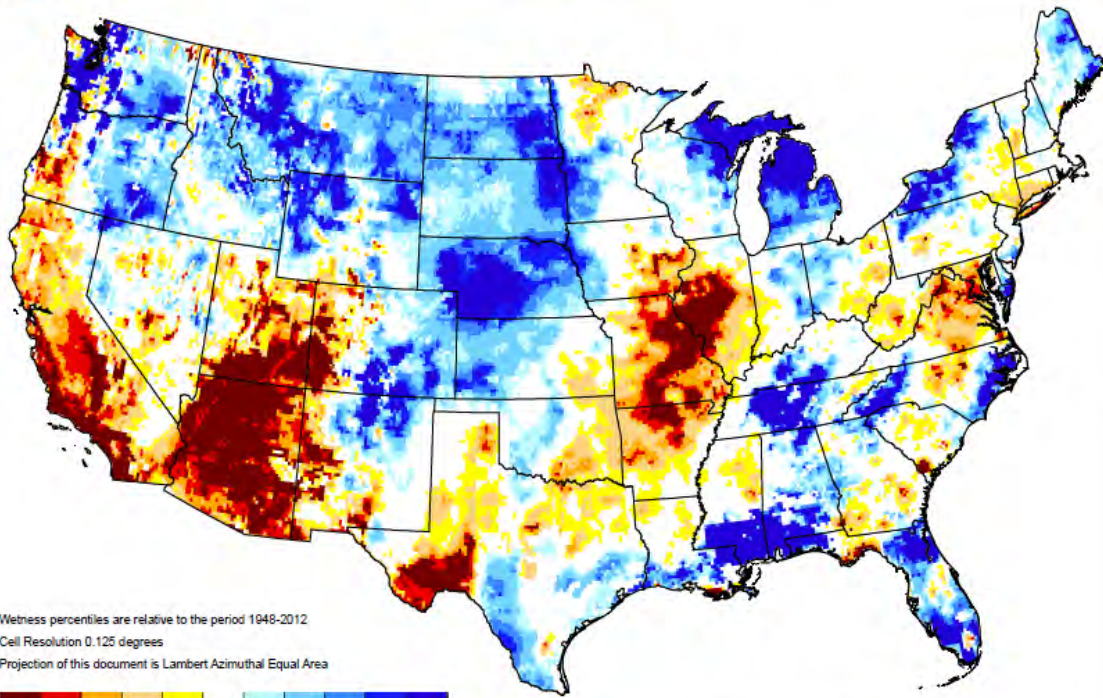
February 19, 2018



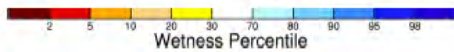


GRACE-Based Shallow Groundwater Drought Indicator

February 12, 2018



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