



Deborah Bathke

National Drought Mitigation Center • School of Natural Resources

University of Nebraska-Lincoln

Climate & Weather Information for New England Water Utilities & Stormwater Managers

July 16, 2020

Google Meet

### **Monitoring**



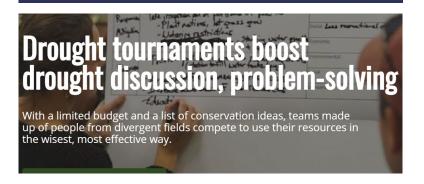
Provides the foundation

### **Planning**



Increases ability to cope

## **Education & Outreach**

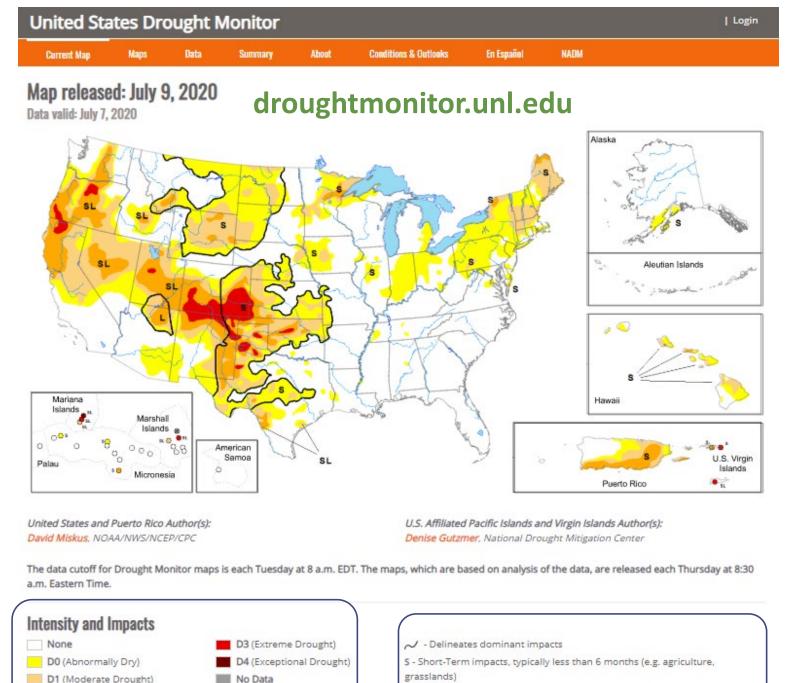


Translates science

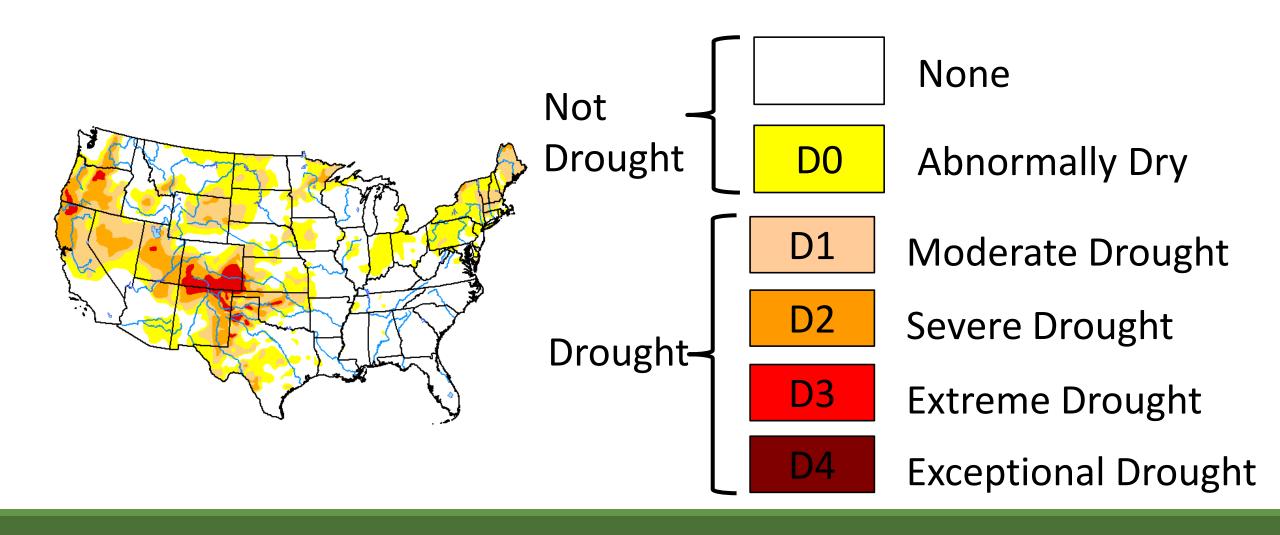
Help build drought resilience by providing usable, actionable, and policy informing tools and products.

## Takeaway #1

The map synthesizes a lot of information.





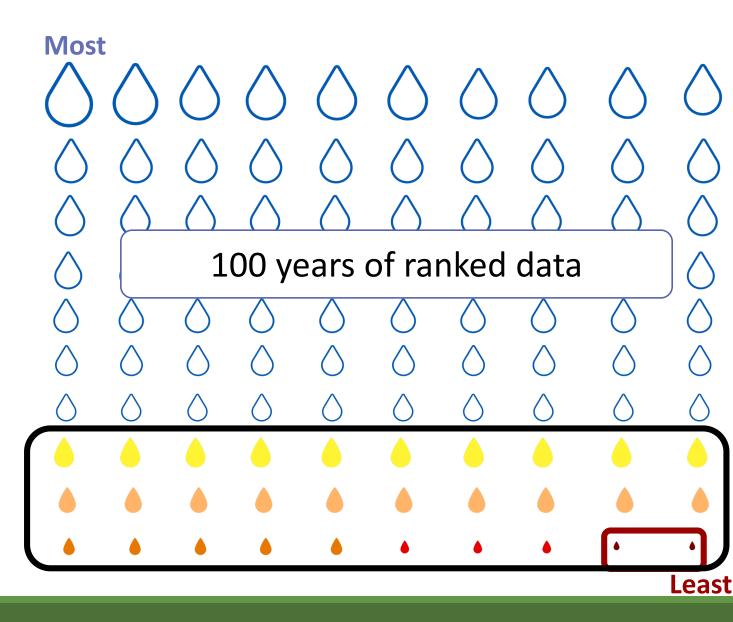


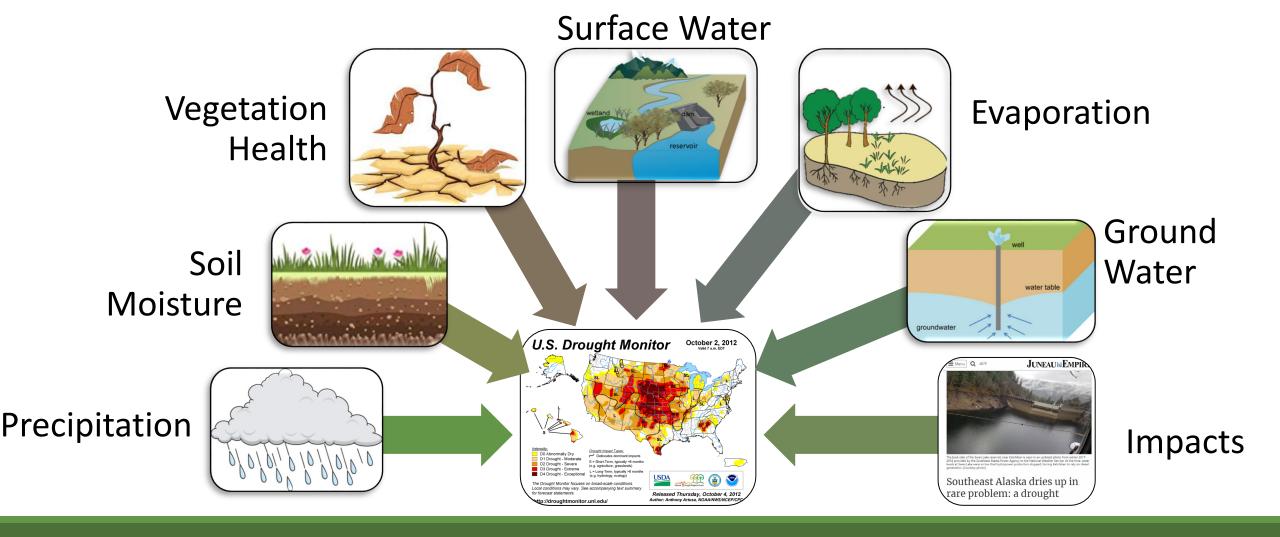
Map colors indicate drought intensity

## Intensity is based on historical likelihood

### **Percentile**

	None	31-100
D0	Abnormally dry	21-30
D1	Moderate drought	11 - 20
D2	Severe drought	6 - 10
D3	Extreme drought	3 - 5
D4	Exceptional drought	1 - 2

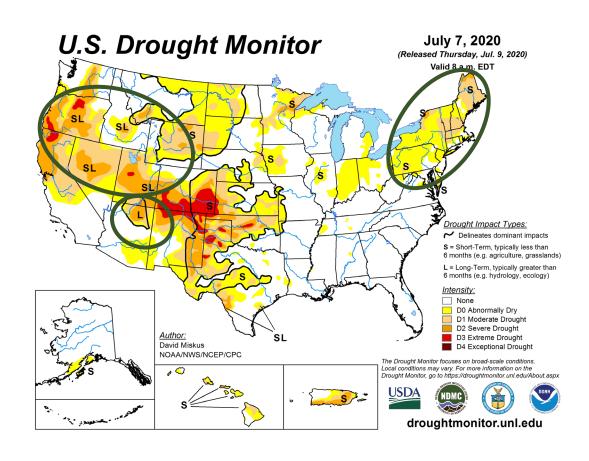




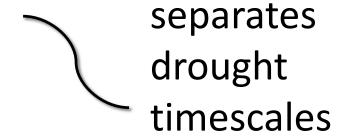
Map incorporates multiple types of data



Length evaluated by examining a range of timescales



S = short term typically < 6 months



L = long term, typically > 6 months

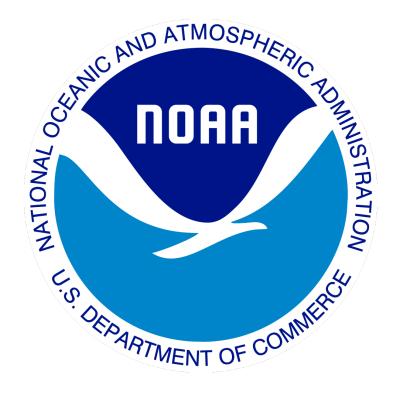
Map depicts short- and long-term conditions



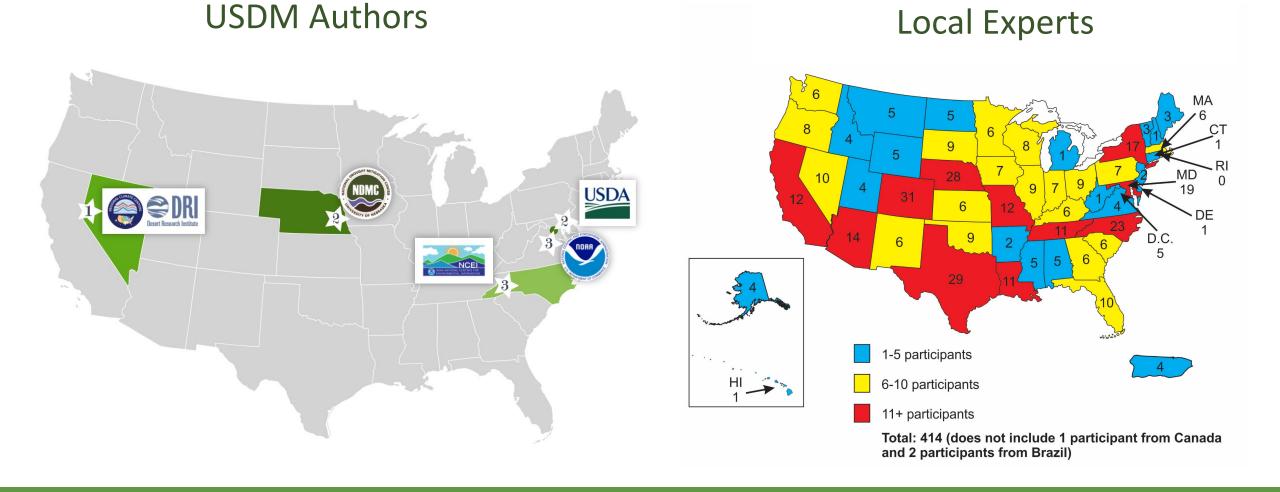
Map results from a convergence of evidence



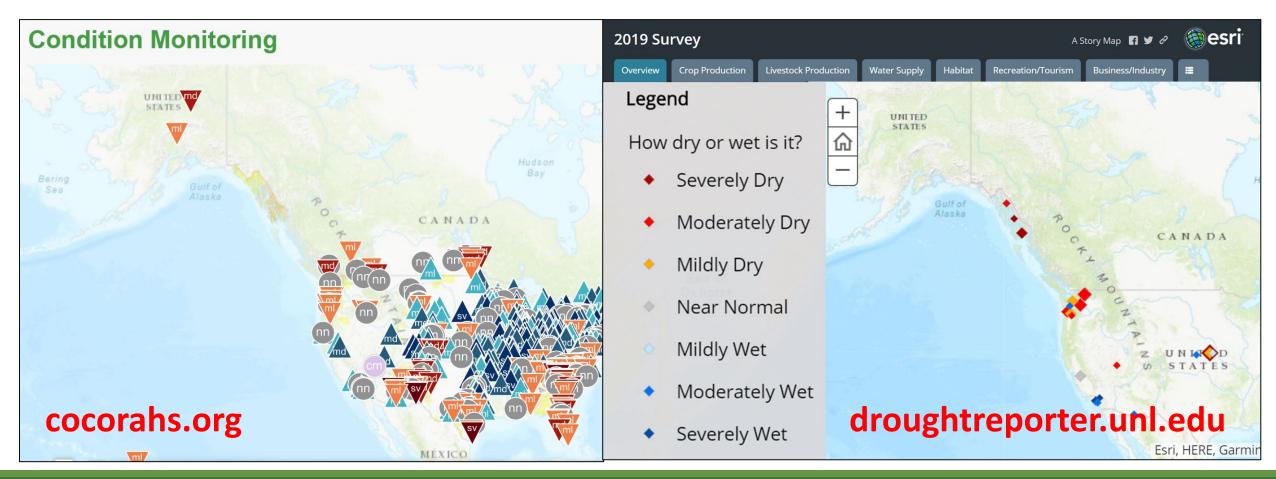




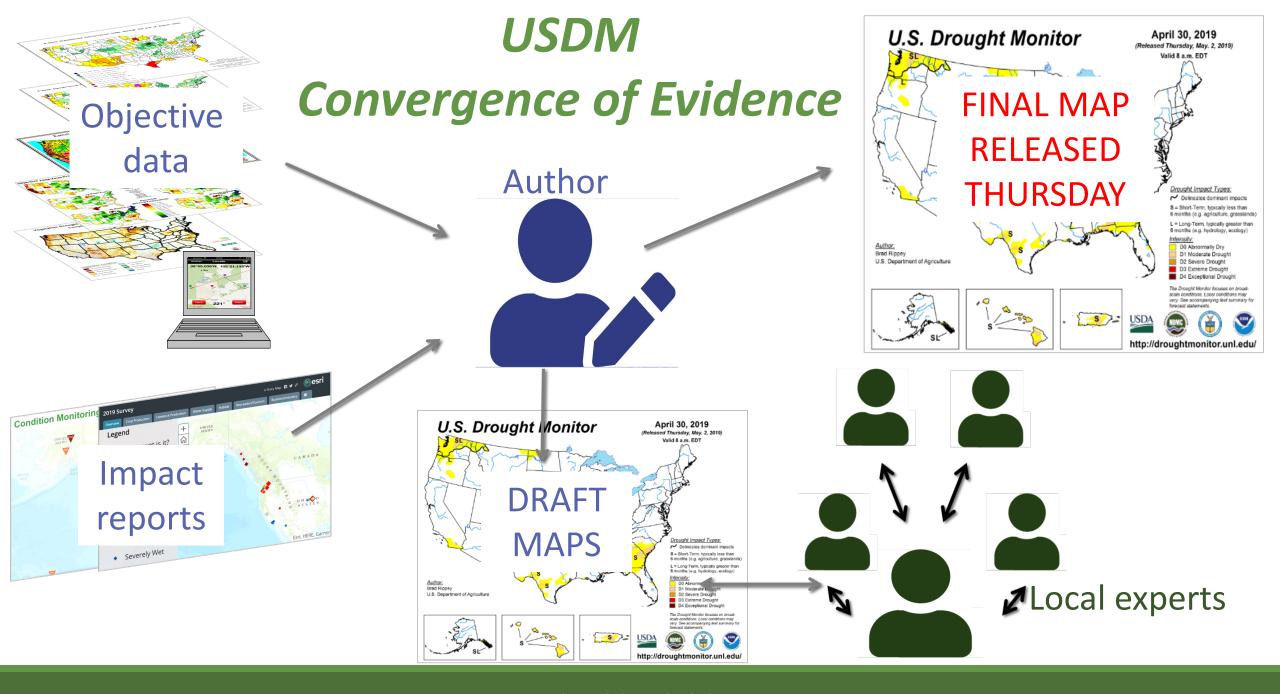
Takeaway #2: The map is a partnership.



Authors interpret data & involve local experts in discussion



The public reports impacts to provide information on the effects of drought

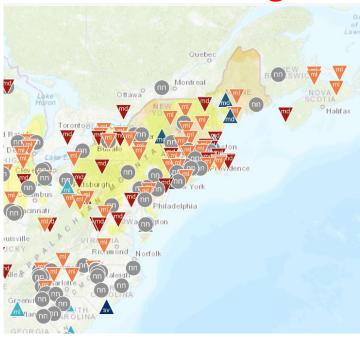


## Providing Input into the USDM

### **LOCAL CONTACTS**

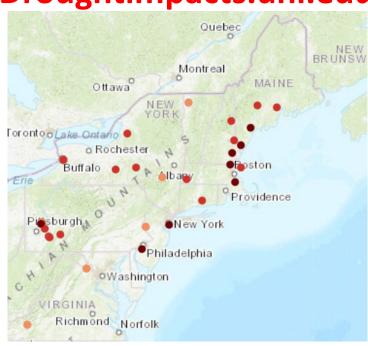
- Join the USDM listserv
- Contact the NERCC







Droughtimpacts.unl.edu

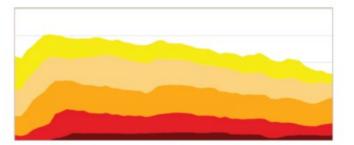


NATIONAL DROUGHT MITIGATION CENTER

## Takeway #3

## It's more than just a map

https://droughtmonitor.unl.edu



### **Time Series**

View a graph of the U.S. Drought Monitor statistics for a chosen area.



### **Tabular Data Archive**

View the U.S. Drought Monitor data in tabular format for a selected area.



### **GIS Data Files**

Get GIS data files for each week including shapefiles, kmz, wms and more.



#### Metadata

Information about the GIS data and other U.S. Drought Monitor data file formats.



#### Data Download

Download U.S. Drought Monitor statistics.



### **FSA Eligibility Tool**

Tool to determine if an area qualifies for disaster payments from the Farm Service Agency.



DROUGHT.UNL.EDU

e | ndmc@unl.edu





# Deborah Bathke dbathke2@unl.edu

