

Condition Monitoring Observer Reports (CMOR)

help us “see more” drought
go.unl.edu/cmor_drought



Southwest Drought Learning Network Annual Meeting

June 7, 2022

Kelly Helm Smith

Landing Page:
Go.unl.edu/CMOR_drought

Drought Impacts Toolkit

Home Tools Emerging Impacts Impact Assessments

Home > Tools > CMOR

Submit and view Condition Monitoring Observer Reports (CMOR)



2022 Map

Archive

Download Factsheet

Watch Video

Social Media Resources

Report drought-related conditions and impacts within the U.S. This is a nation-wide service provided by the National Drought Mitigation Center, based at the University of Nebraska, in partnership with the National Integrated Drought Information System. Information submitted by this form appears on a map and becomes part of a permanent public record. Please note that this form is not part of the process to apply for assistance. To participate, you must legally be an adult, at least 18 years old in most states, 19 in Nebraska or Alabama, or 21 in Mississippi. By submitting information, you agree that it may be used in drought monitoring research. Questions? Please email DiRInfo@unl.edu.

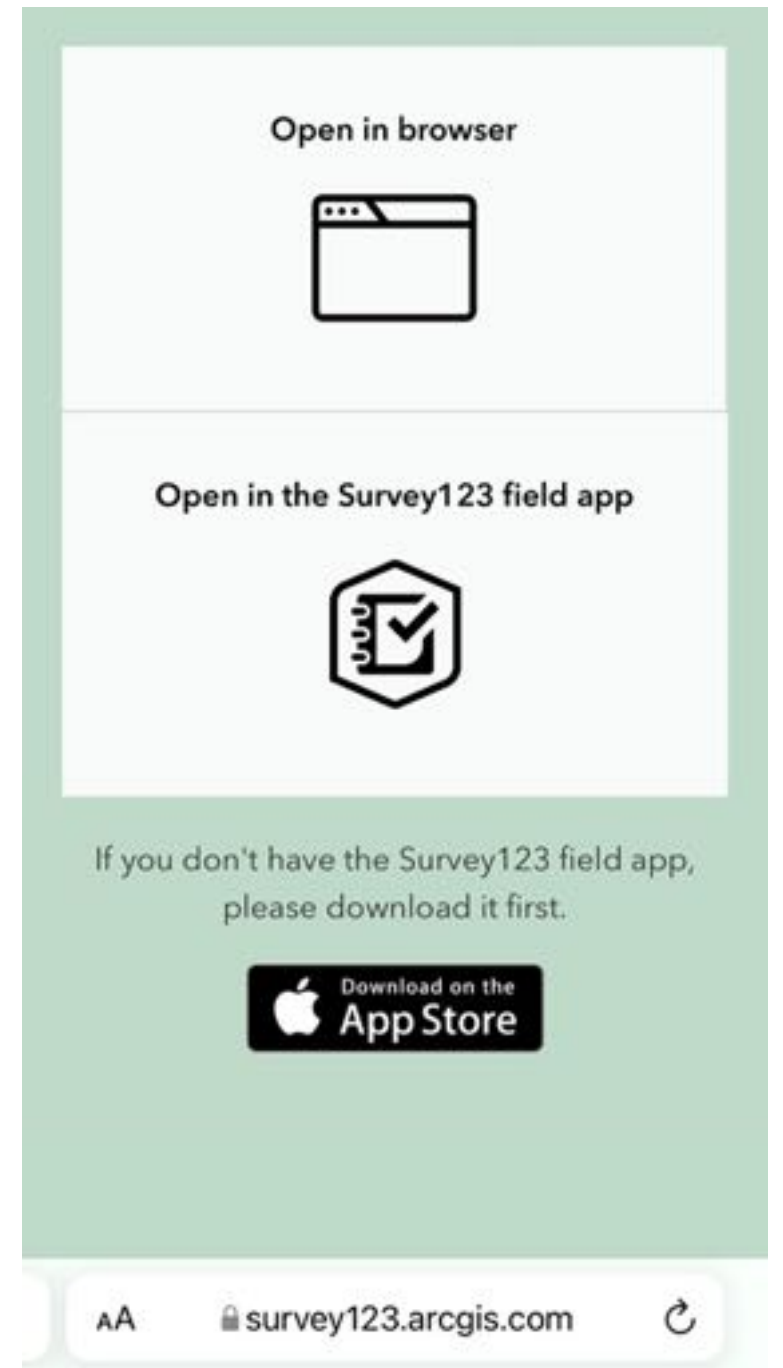
Submit a Report

Submit Report by App

For further assistance in using the app, see the [factsheet](#).



Works from computer or mobile device



Filtered to reports with photos

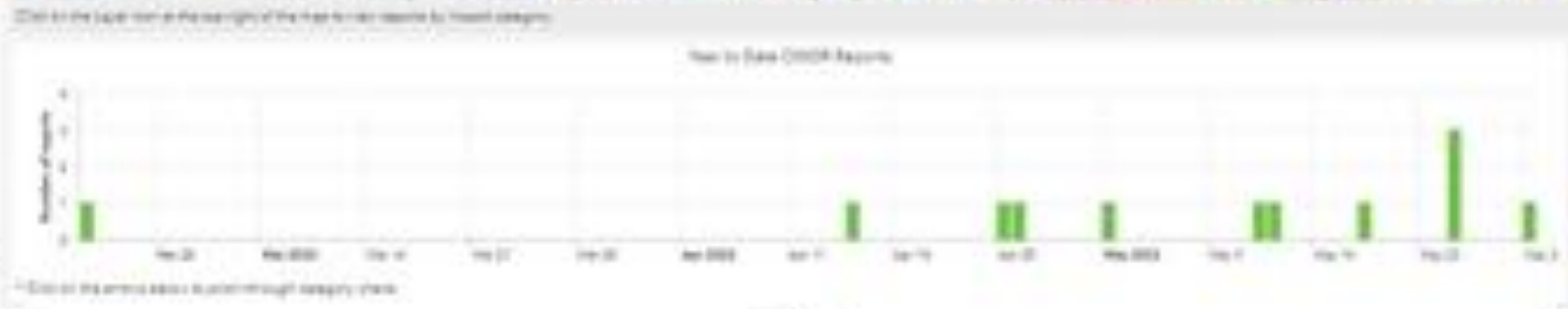
Drought Condition Monitoring Observer Reports

View Drought Observer Reports | January 17, 2015

- 2014-2015 Year in Review
- 2014-2015 Year in Review
- 2014-2015 Year in Review
- 2014-2015 Year in Review
- 2014-2015 Year in Review
- 2014-2015 Year in Review
- 2014-2015 Year in Review
- 2014-2015 Year in Review

Filter Options

- Select Date Range
- Select State
- Select County
- Select How Dry or Wet
- Reports with Photos
- Display Name



Report Details

2015-01-17 10:00 AM

Observer Name: [Name]

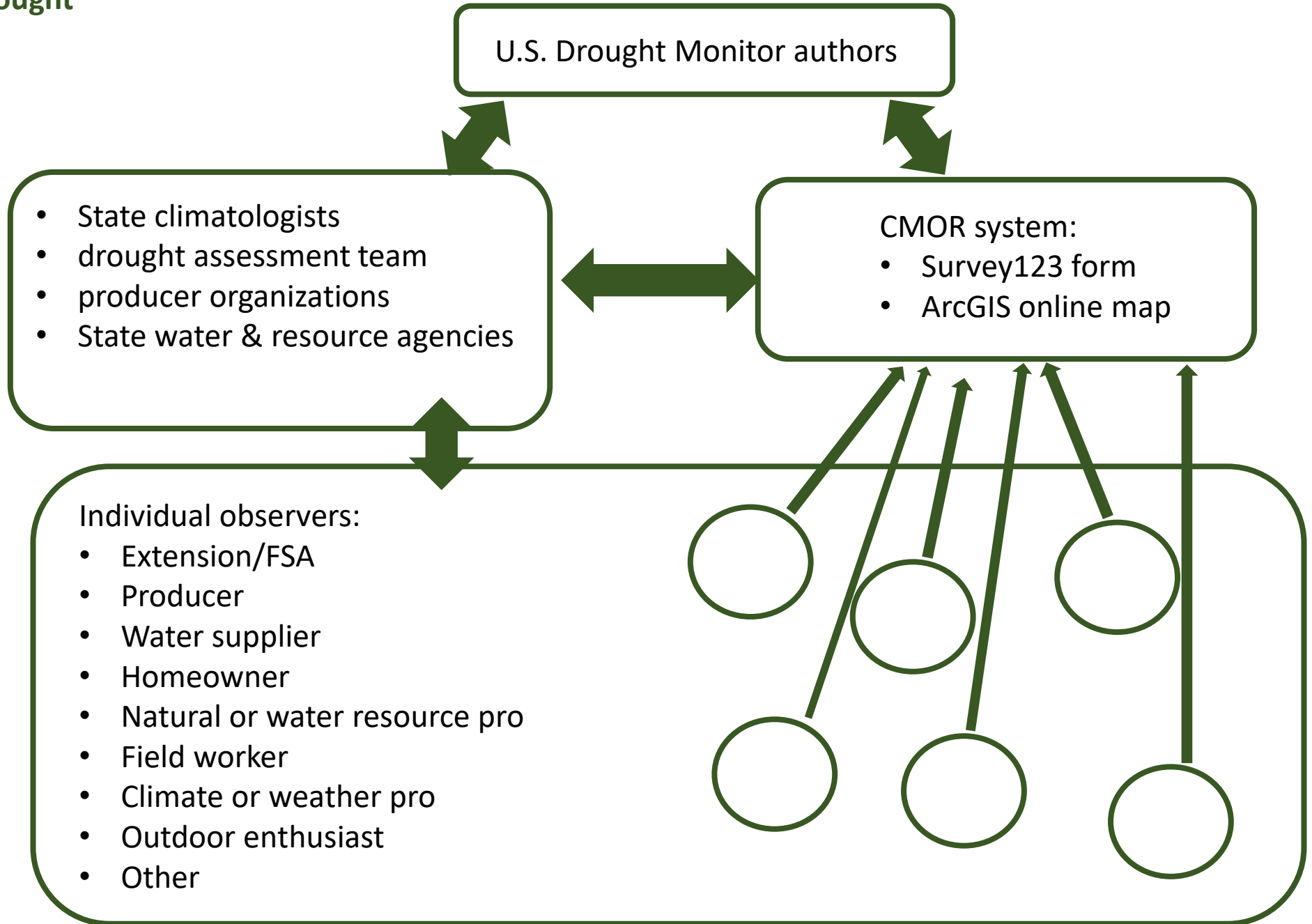
County: [County]

State: [State]

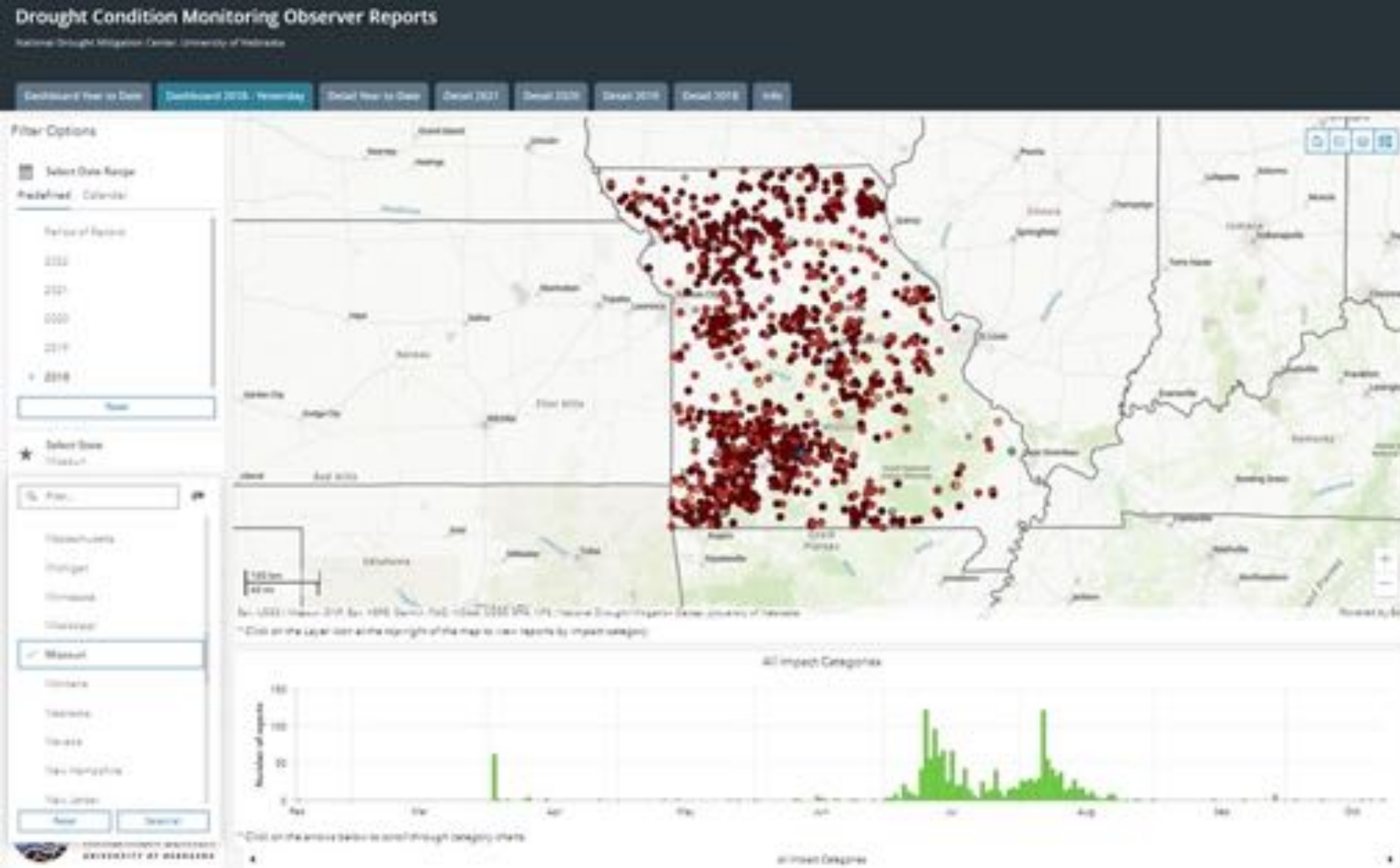
Category: [Category]

Submitted by: [Name]



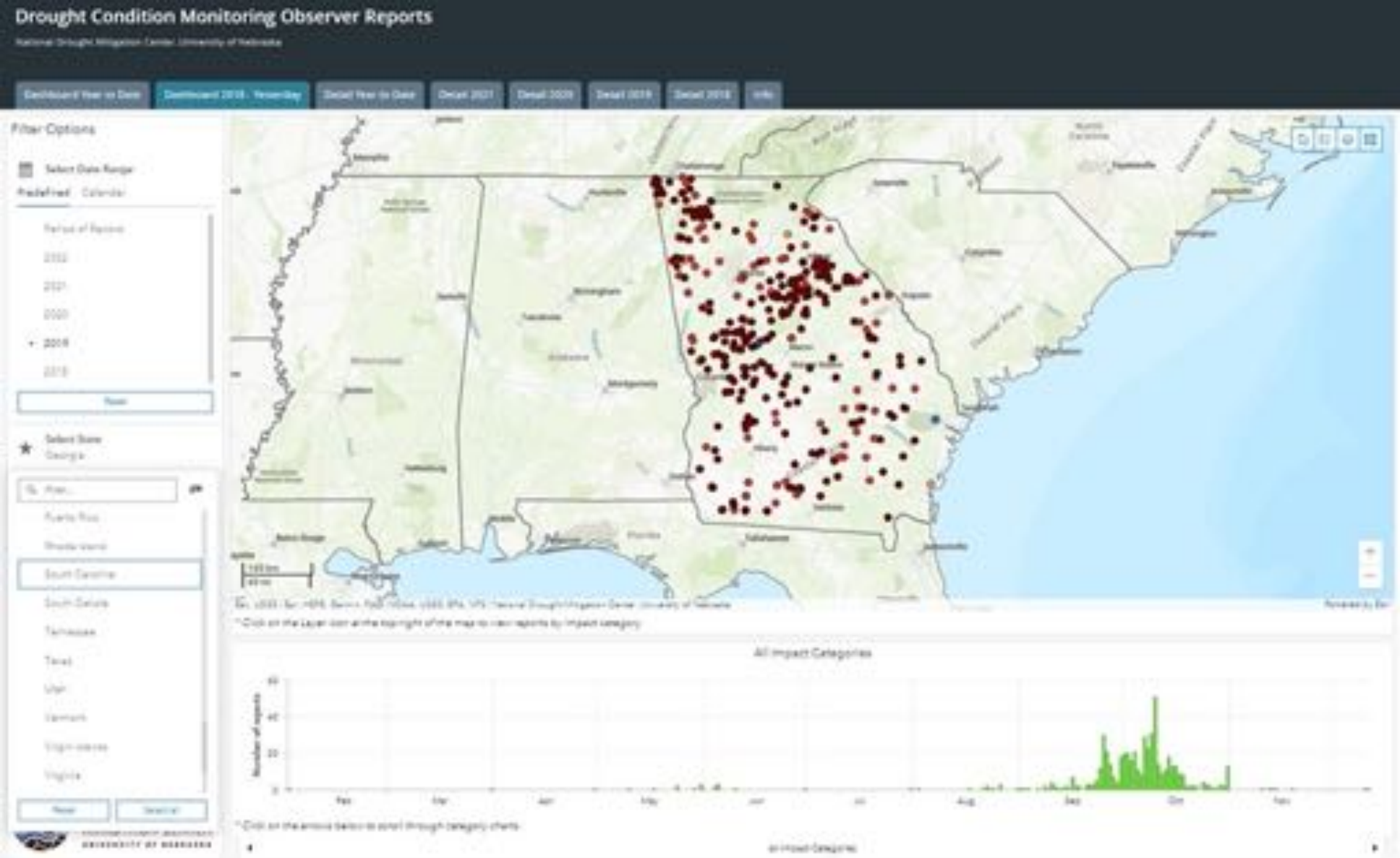


Missouri 2018



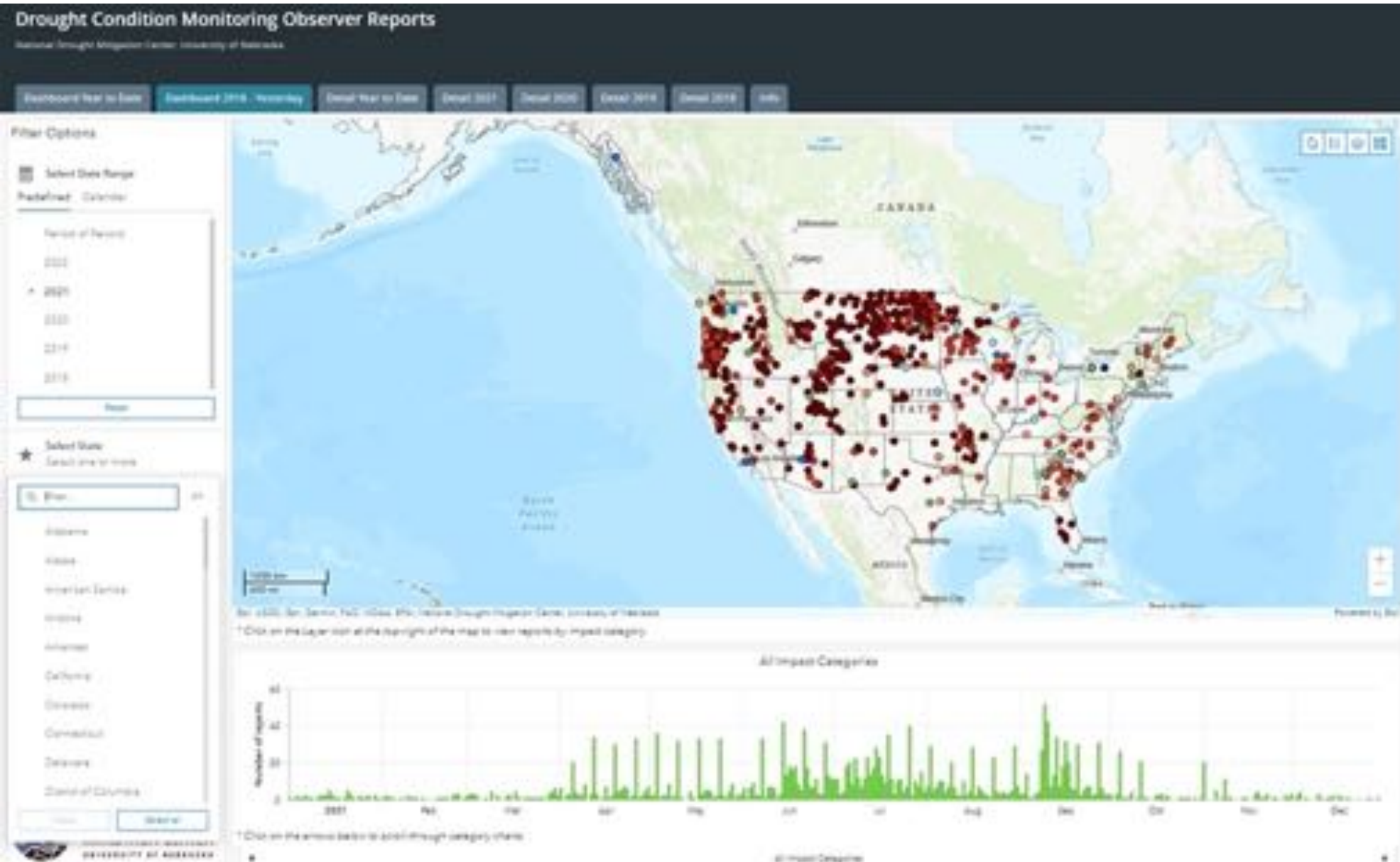
- Experienced, well-networked state climatologist has encouraged impact reporting for years, both via Extension and to the general public.
- State and Extension “media blitz” to get people to report.
- “Trust but verify.” Reports helped show where to look for impacts.
- Missouri Cattlemen’s Association also promoted.
- Framed in context of U.S. Drought Monitor – help the map makers get it right.

Georgia 2019



- State climatologist and others used CMOR reports to give producers a voice in the process, during fast-emerging fall drought.
- Reports can be collected and displayed instantly.
- Georgia Cattlemen's Association helped recruit observers.

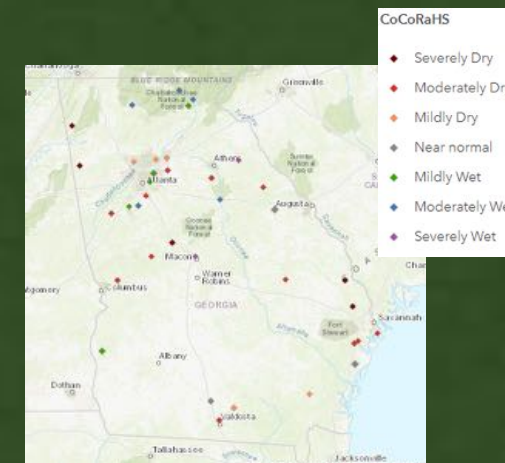
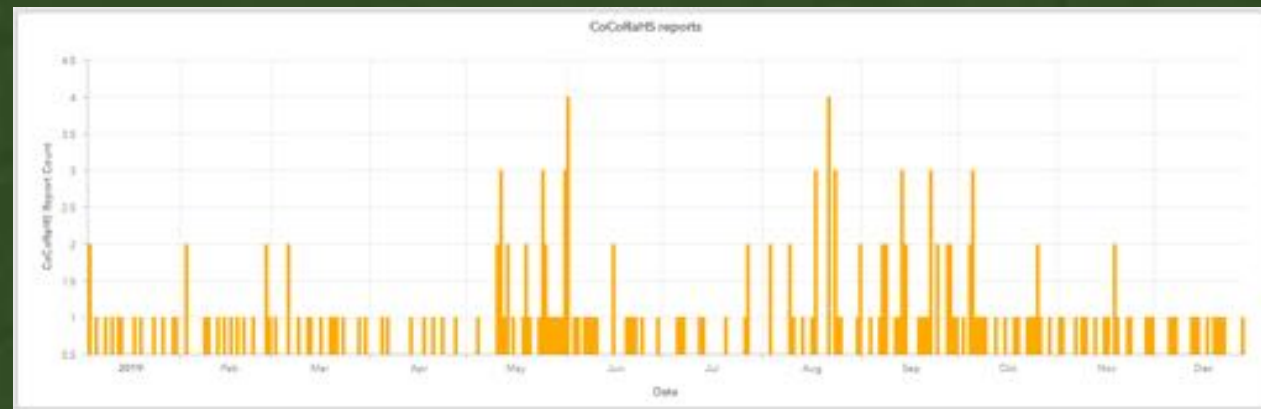
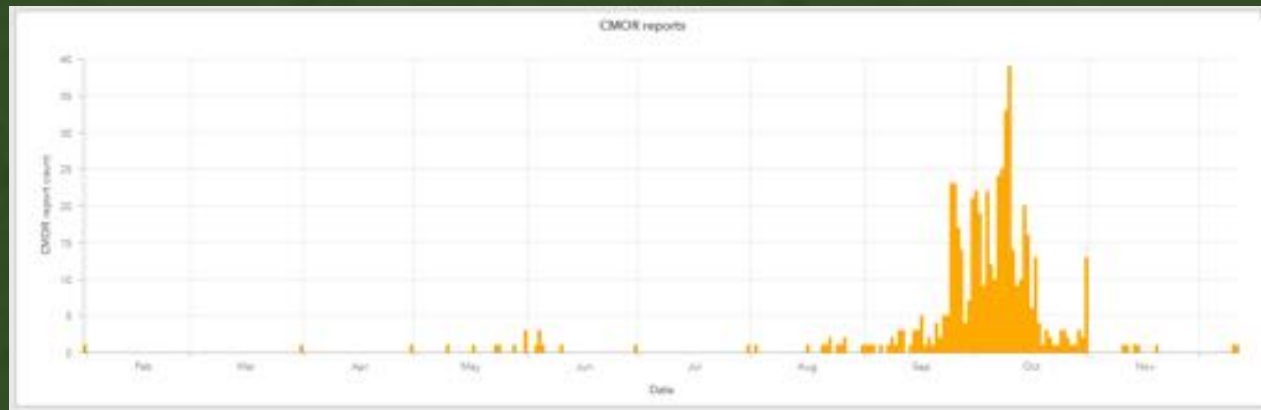
North Dakota and Oregon Forestry 2021



- Faced with drought early in the year, North Dakota encouraged Extension specialists to submit reports each week during growing season. April-Oct., the U.S. as a whole had 1,550 reports, with 803 from North Dakota.
- An Oregon Forestry-specific version of the CMOR form was one of several ways that Oregon Forestry collected information. They appreciated the simplicity, for the general public.

CMOR & CoCoRaHS reports for Georgia 2019

CMOR reports gave producers a voice in the process, and made it more efficient to collect and use observations from producers across the state. “Drought crew” said more information is better, and they evaluate all information in context of other data. CoCoRaHS were especially valuable for their consistency, and CMOR, for photos. CMOR provides useful spatial detail.



7-point dry-to-wet scale

CMOR & CoCoRaHS: go.unl.edu/multi-tool



Find your dot on the map



CMOR 2021
How dry or wet is it?

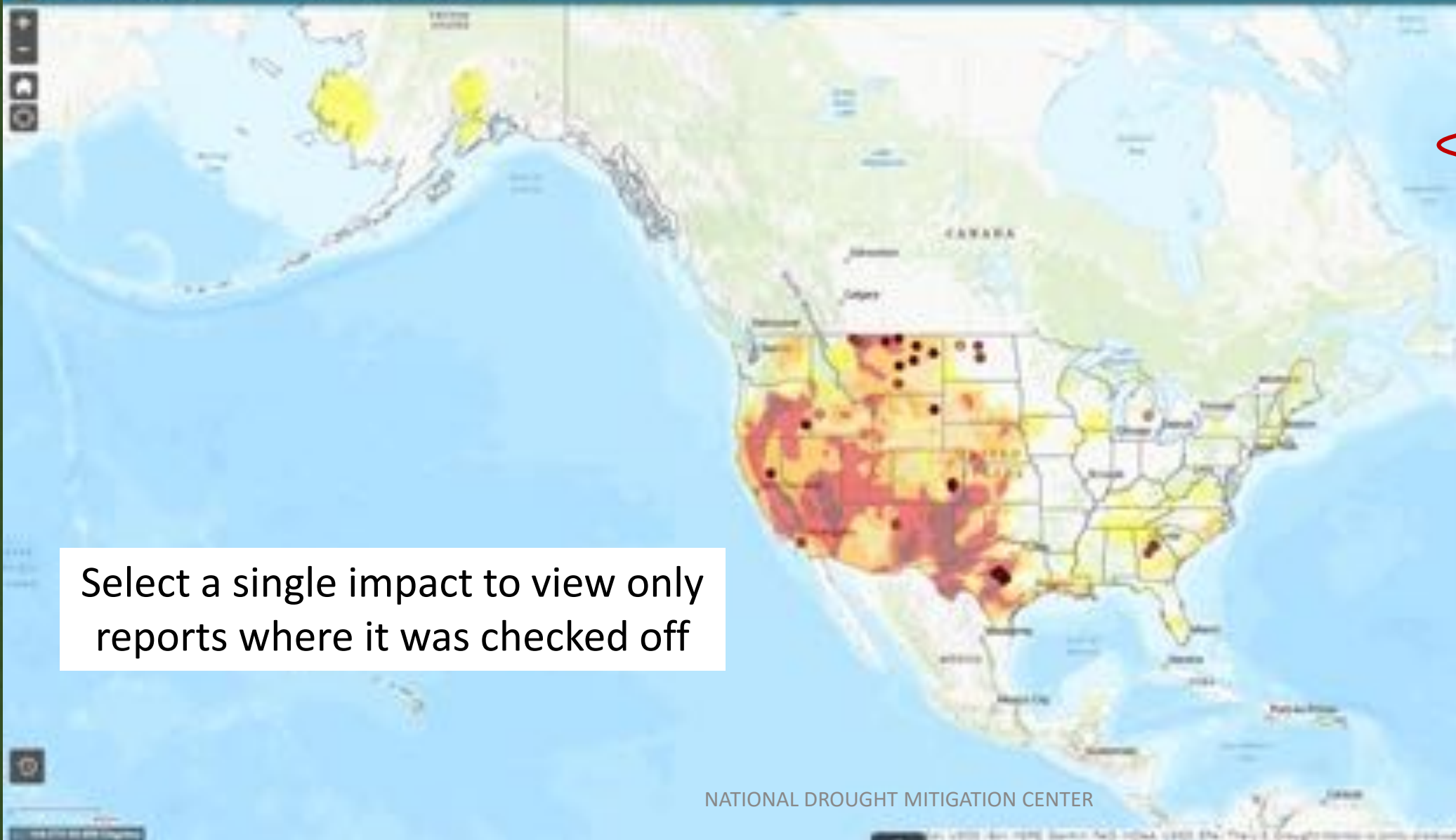
- Severely Dry
- Moderately Dry
- Mildly Dry
- Near Normal
- Mildly Wet
- Moderately Wet

Report Detail - 3/30/2021

Recreation or tourism impact - Other:
wildflower_bloom_gone_and_high_plant_stress

Description and/or caption information:
Two photos taken along the River Mountains Trail near Lake Mead, Nevada one year apart. One photo, taken 3-29-2021 shows the trail side devoid of a common plant, Brittlebush, normally an abundant, bright yellow flowering shrub. The second photo, taken March 27, 2020 in the same area, shows a spectacular bloom of Brittlebush under more normal spring conditions with adequate winter rainfall and soil moisture. The entire landscape around Lake Mead is nearly devoid of wildflowers such as brittlebush, creosote, opuntia basalaris (prickly pear cactus), and many others.

Zoom to



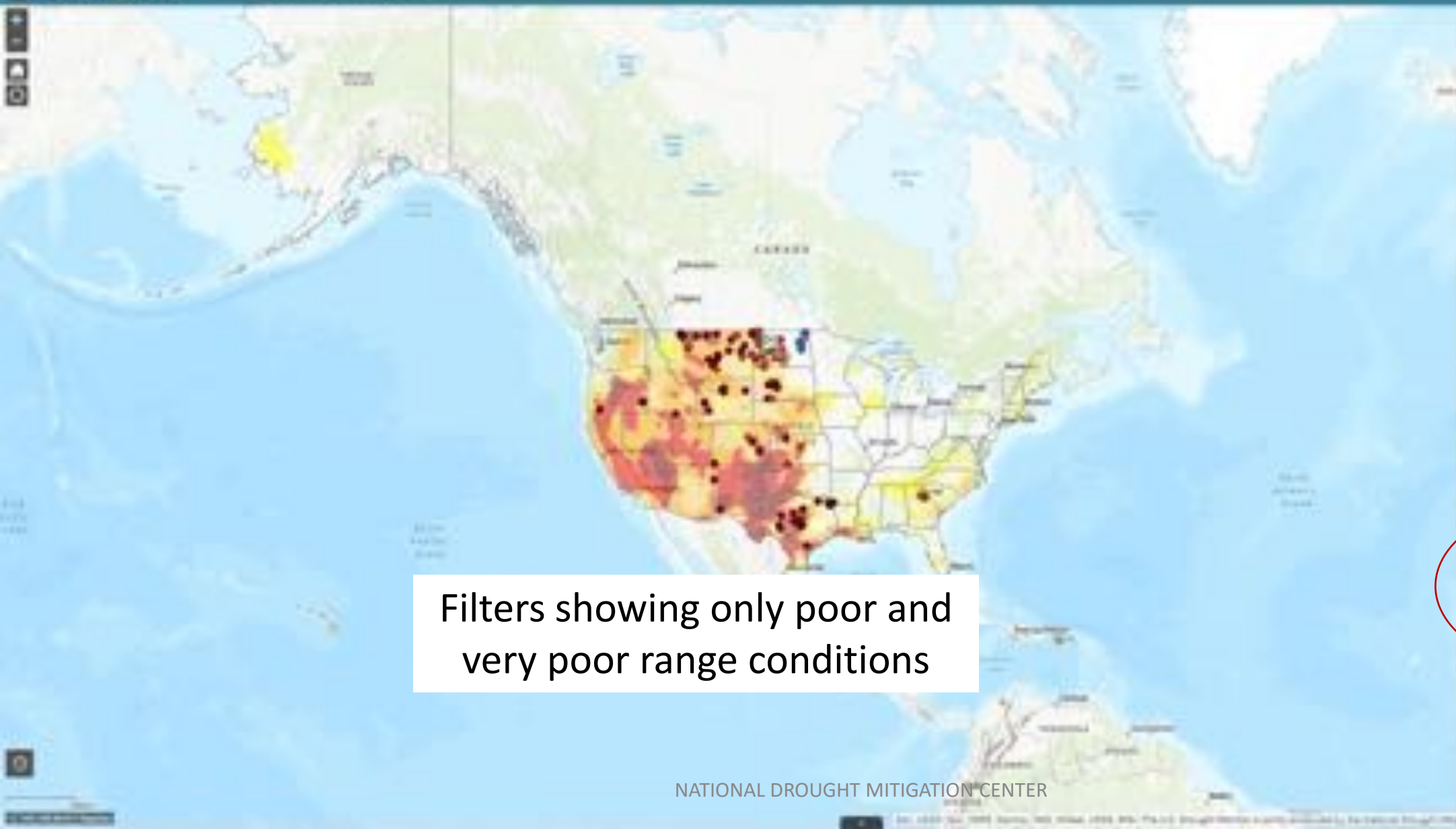
Public and Community Health

- CMOR Reports year to date
- all Public and Community Health needs
- Anxiety, Distress**
- Home waterborne disease
- Special meetings or activities held
- Community events cancelled
- Low food for assistance
- Gender needs more care or paid for
- People relocating
- Wheat
- Increased agricultural
- Public and Community Health - Other

Select a single impact to view only reports where it was checked off

2019-2020 | 2020-2021 | 2021-2022 | 2022-2023 | 2023-2024 | 2024-2025 | 2025-2026 | 2026-2027 | 2027-2028 | 2028-2029 | 2029-2030

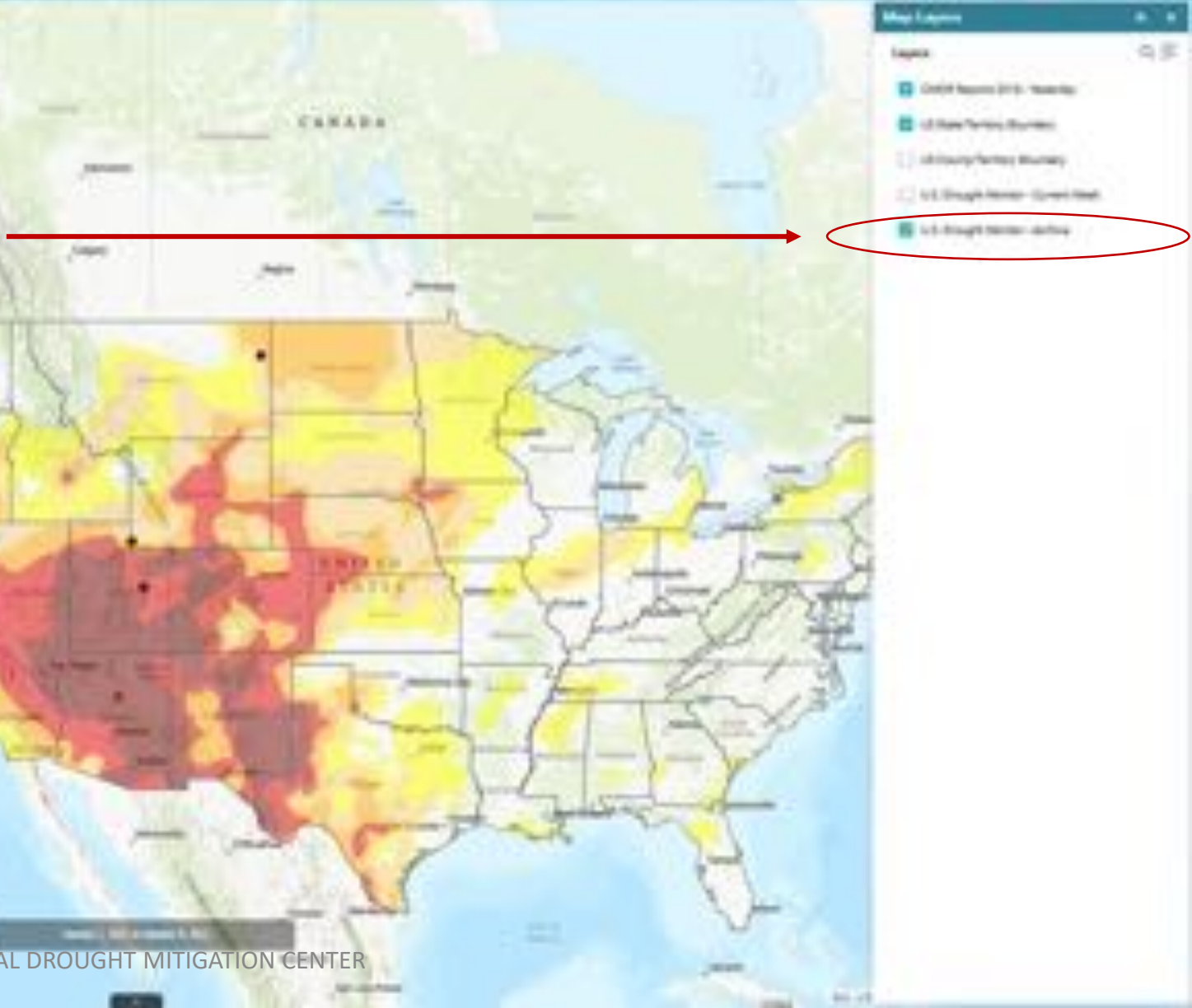
CMCR Year to Date | 2025 (Year Range) | (Month & Range)



- ### Crop/Range Conditions
- Crop Conditions Excellent - High moisture and above normal soil water content supporting life or no stress.
 - Crop Conditions Good - High moisture and normal to above normal soil water content with minimal damage.
 - Crop Conditions Fair - Moderate moisture and soil water content with some damage to the quality of stock.
 - Crop Conditions Poor - Heavy degree of soil water stress with some loss of quality of stock, drought stress, etc.
 - Crop Conditions Very Poor - Severe degree of soil water stress, complete or near complete loss of stock.
 - Range Conditions Excellent - Pasture well watered and in excess of what is normally expected at this time of year.
 - Range Conditions Good - Pasture well watered and in excess of what is normally expected at this time of year.
 - Range Conditions Fair - Pasture well watered and in excess of what is normally expected at this time of year.
 - Range Conditions Poor - Pasture well watered and in excess of what is normally expected at this time of year.
 - Range Conditions Very Poor - Pasture well watered and in excess of what is normally expected at this time of year.

Filters showing only poor and very poor range conditions

U.S. Drought Monitor: current (most recent) or archive
To compare USDM and CMOR reports, activate USDM archive layer at right, and one-year time slider, below left. View defaults to beginning of year.



Click on the time slider and then push play or advance to move through the year a week at a time.
Caution: You can use the time slider or calendar to view a wider interval of time, but for more than a week at a time, turn off the U.S. Drought Monitor archive because it will be meaningless.





Use the wrench icon to filter by any field or to write a custom filter, such as any reports with "wheat" in the description

Custom Filter

Location: (CMOR Reports year to date)

Display Name in the system and the following expression:

Description and/or system information string:

any:

wheat

1/1/2018

1/1/2018



The attribute table lets you write custom queries and export to csv

Legend

CMOR Reports year to date

- Severely Dry
- Moderately Dry
- Wet/Dry
- Very Wet
- Wet/Very Wet
- Severely Wet

US Drought Monitor - Current Week

- D1 Abnormally Dry
- D2 Moderate Drought
- D3 Severe Drought
- D4 Extreme Drought
- D5 Exceptional Drought

None

Attribute Table

State	Detail Industry	How dry is the state?	How much water is in the soil?	How many times in the last 100 years has the state been in this condition?	Other	Other use of the state?	Other use of the state?	How is the state doing?	How are crop conditions?	Feeding Status	Harvest Status	How are long-term conditions?	Drought Index	Other	Description and/or location information	State/County	Year/Season	Start/End Date	Created
Alabama	Other	Severely Dry	1-20 years	Once		20%		Feeding moderate loss of feed on grazing lands with loss of water in lakes and reservoirs	Very concerned	Very Poor	Severely Poor	Very Poor					CMOR 2022 HF	8/24/2022	
Alaska	Other	Moderately Dry	20 or more years	Two or more				Very concerned	Very Poor	Severely Poor	Severely Poor	Very Poor			None - Natural gas providing marginal feed		CMOR 2022 ADHC	8/24/2022	8/24/2022

Submit and view Condition Monitoring Observer Reports (CMOR)

[Home](#) > [Tools](#) > [CMOR](#)[2022 Map](#)[Archive](#)[Download Factsheet](#)[Watch Video](#)[Social Media Resources](#)

Report drought-related conditions and impacts within the U.S. This is a nation-wide service provided by the National Drought Mitigation Center, based at the University of Nebraska. In partnership with the National Integrated Drought Information System. Information submitted by this form appears on a map and becomes part of a permanent public record. Please note that this form is not part of the process to apply for assistance. To participate, you must legally be an adult, at least 18 years old in most states, 19 in Nebraska or Alabama, or 21 in Mississippi. By submitting information, you agree that it may be used in drought monitoring research. Questions? Please email DIRinfo@unl.edu.

[Submit a Report](#)[Submit Report by App](#)

For further assistance in using the app, see [the factsheet](#).



Landing Page:
[Go.unl.edu/CMOR_drought](https://go.unl.edu/CMOR_drought)

Questions, comments?

Please contact

Kelly Smith

ksmith2@unl.edu