

South Carolina's U.S. Drought Monitor Process

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Process

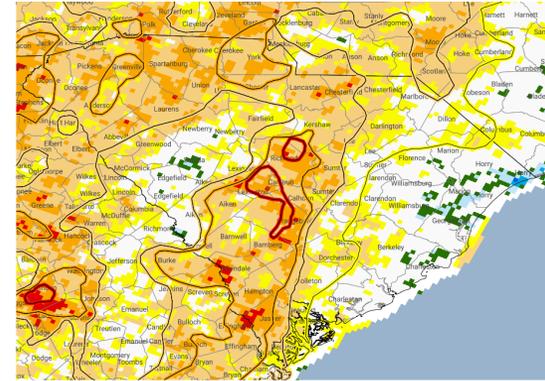
Communication

- Weekly Emails - Year Round
- Sent on Monday mornings

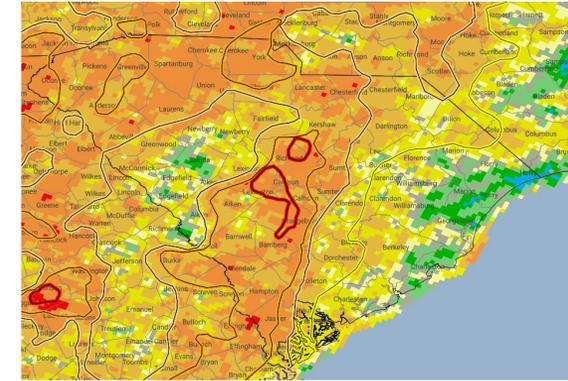
Current Contributors

- State Climate Office (Lead)
- SC Department of Agriculture
- National Weather Service Hydrologists
- Clemson Water Resources Team
- Drought Advisory Teams from Neighboring States

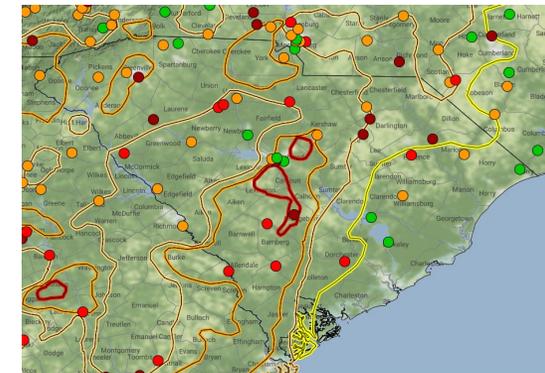
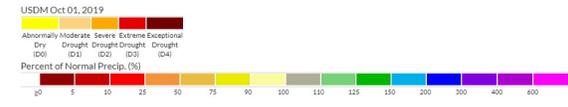
Data



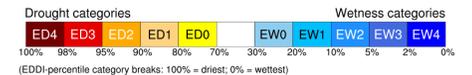
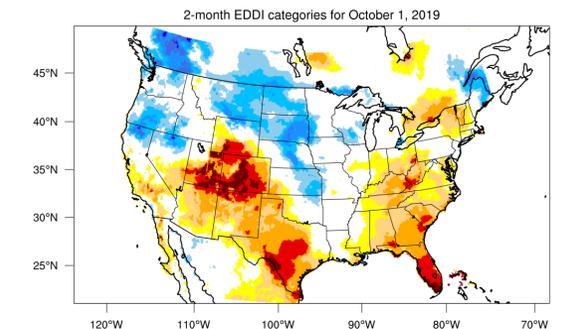
Oct 6, 2019



Oct 6, 2019



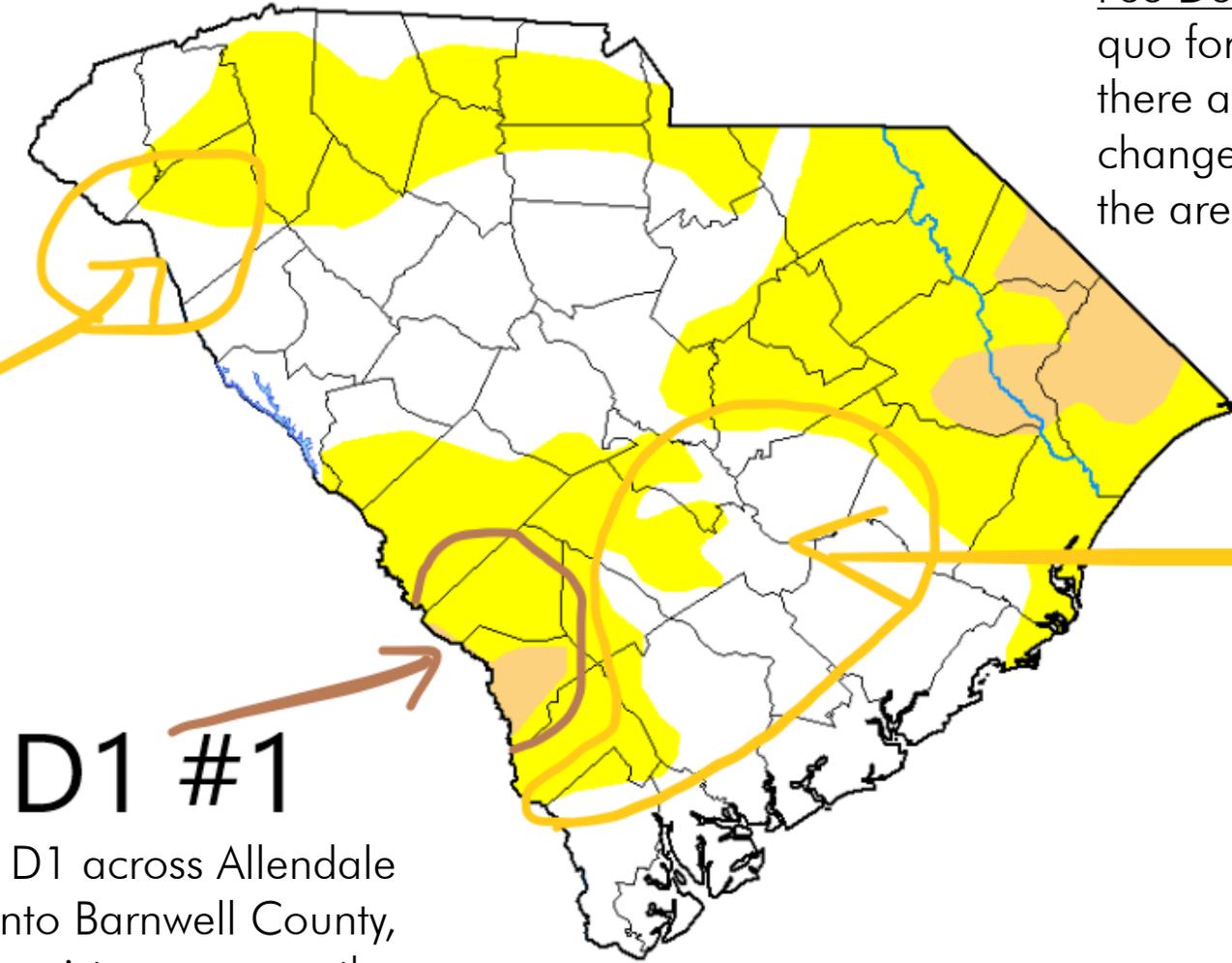
Oct 6, 2019



INITIAL SUGGESTIONS

D0 #1 (orange) – Look at expanding into Anderson and Oconee counties, coordinate with GA as needed.

D0 #1



Pee Dee Region – Proposing status quo for this region this week, unless there are reports that would change/expand the current D1 in the area. Will coordinate with NC.

D0 #2

D0 #2 (orange) – Add D0 across the Sandhills, combining it with current D0 across the state.

D1 #1 (brown) -Expand D1 across Allendale County and introduce it into Barnwell County, coordinate with GA for consistency across the state line.

D1 #1

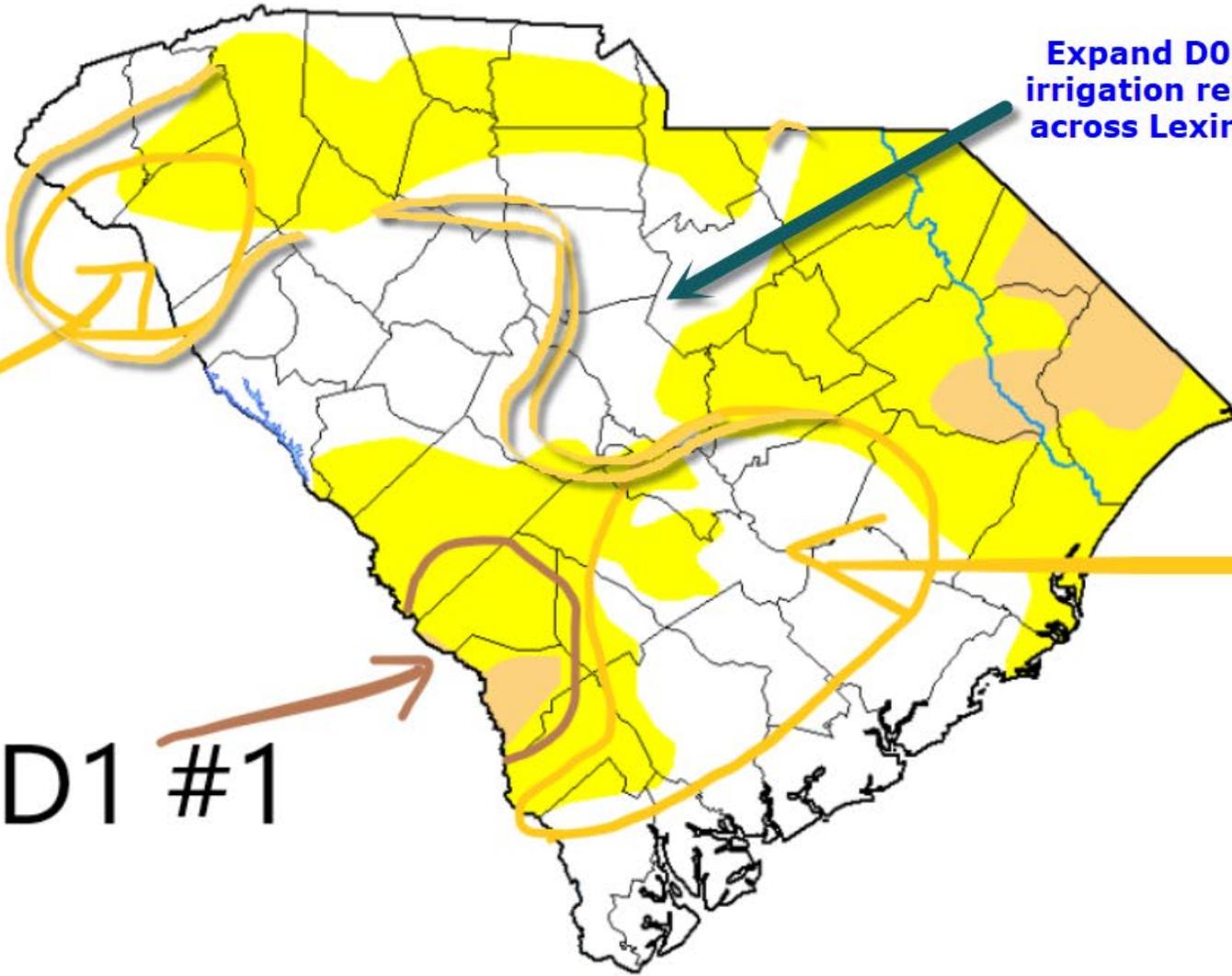
Expand D0 even a bit more in Oconee, Pickens and Anderson counties

Expand D0 even more, irrigation really pumping across Lexington County

D0 #1

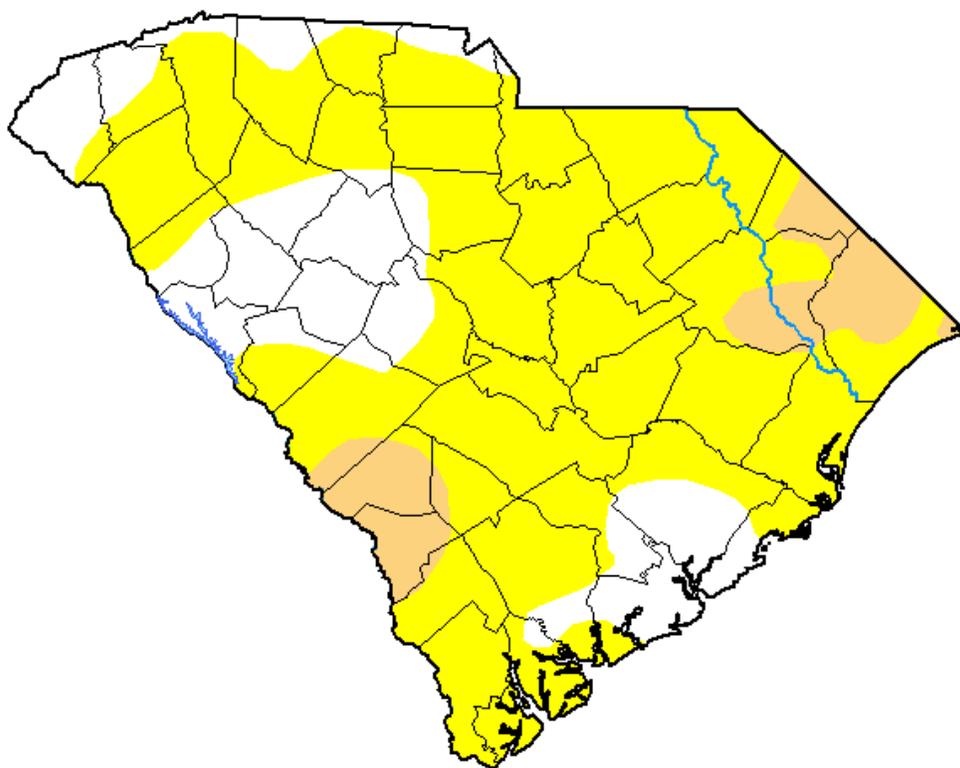
D0 #2

D1 #1



U.S. Drought Monitor South Carolina

August 13, 2019
(Released Thursday, Aug. 15, 2019)
Valid 8 a.m. EDT



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	21.89	78.11	8.50	0.00	0.00	0.00
Last Week <i>08-06-2019</i>	49.67	50.33	5.47	0.00	0.00	0.00
3 Months Ago <i>05-14-2019</i>	46.41	53.59	22.10	0.00	0.00	0.00
Start of Calendar Year <i>01-01-2019</i>	100.00	0.00	0.00	0.00	0.00	0.00
Start of Water Year <i>09-25-2018</i>	89.90	10.10	1.52	0.00	0.00	0.00
One Year Ago <i>08-14-2018</i>	97.67	2.33	0.00	0.00	0.00	0.00

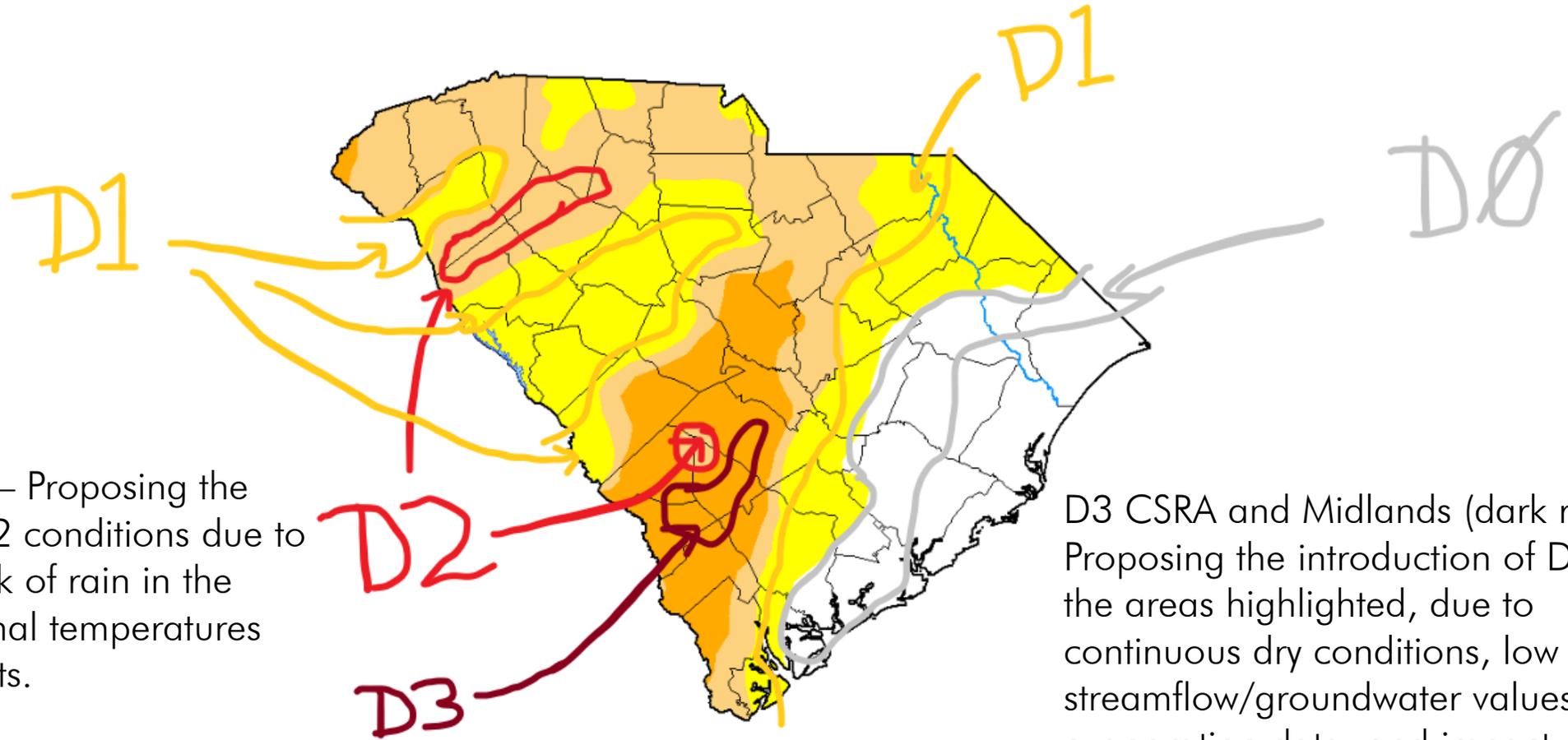
Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.



INITIAL SUGGESTIONS



D2 Upstate (red) – Proposing the introduction of D2 conditions due to the continued lack of rain in the area, above normal temperatures and impact reports.

D2 CSRA (red) – Fill in the D1 ‘bullseye’.

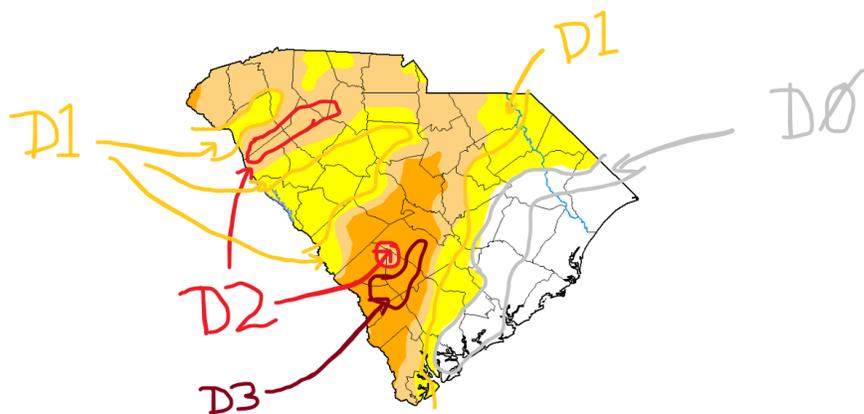
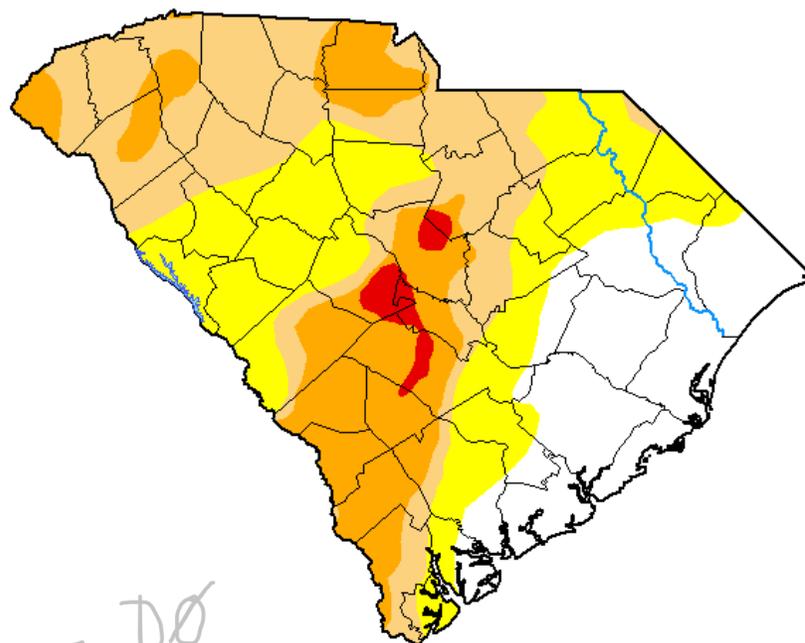
D3 CSRA and Midlands (dark red) - Proposing the introduction of D3 in the areas highlighted, due to continuous dry conditions, low streamflow/groundwater values, evaporation data, and impact reports.

U.S. Drought Monitor South Carolina

October 1, 2019
(Released Thursday, Oct. 3, 2019)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	22.06	77.94	48.67	20.47	1.77	0.00
Last Week <i>09-24-2019</i>	22.12	77.88	44.58	14.75	0.00	0.00
3 Months Ago <i>07-02-2019</i>	75.78	24.22	6.68	0.00	0.00	0.00
Start of Calendar Year <i>01-01-2019</i>	100.00	0.00	0.00	0.00	0.00	0.00
Start of Water Year <i>10-01-2018</i>	22.06	77.94	48.67	20.47	1.77	0.00
One Year Ago <i>10-02-2018</i>	77.52	22.48	6.92	0.00	0.00	0.00



Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

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droughtmonitor.unl.edu

Strengths

Early start on analyzing the data

Communicating via email

Weaknesses

Not all data available by Monday morning

Communication can be slow

Dependent on agencies for data

Planned Improvements

New SCO Position

Conference calls when drought escalates

Add additional contributors



Contact Information

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