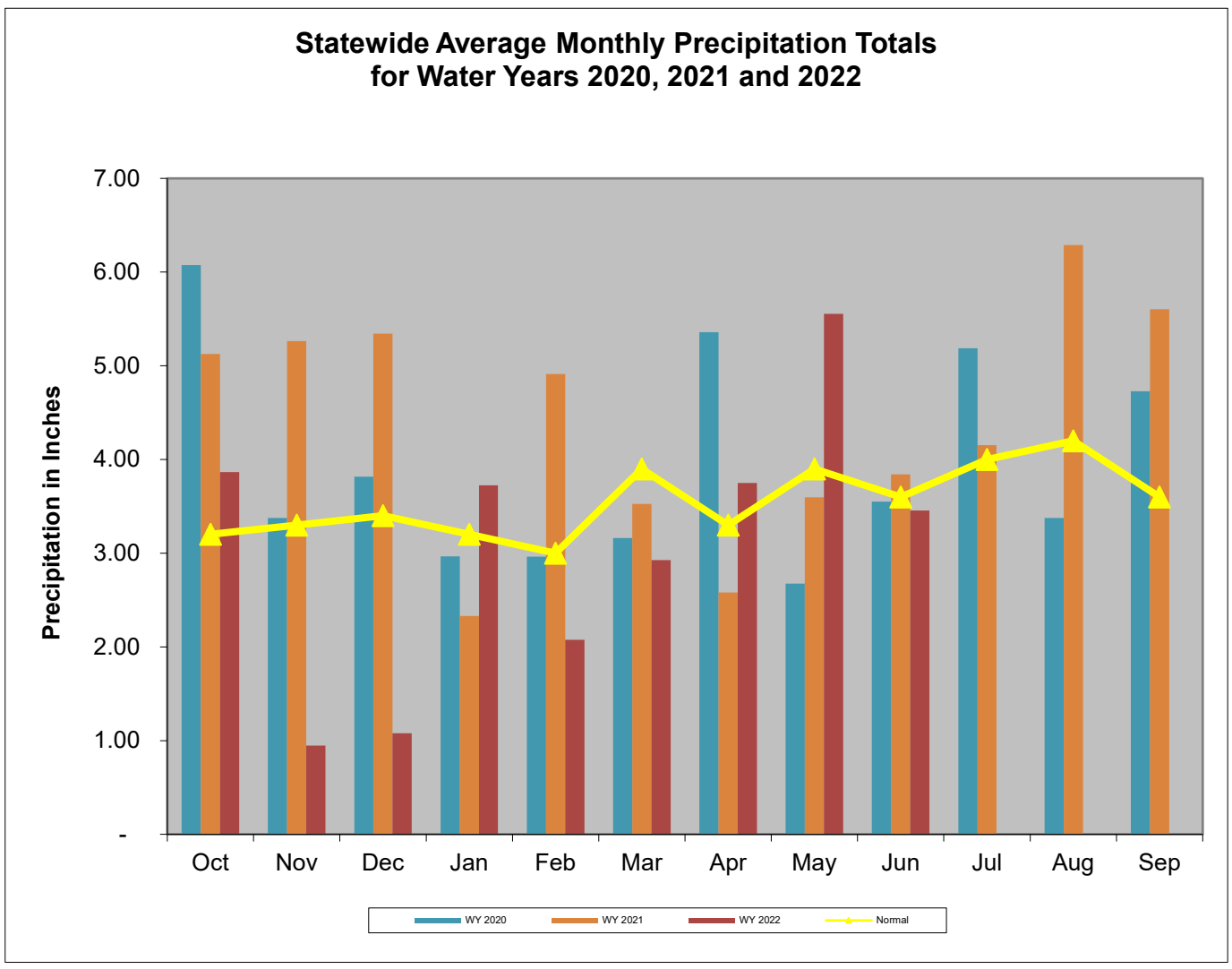
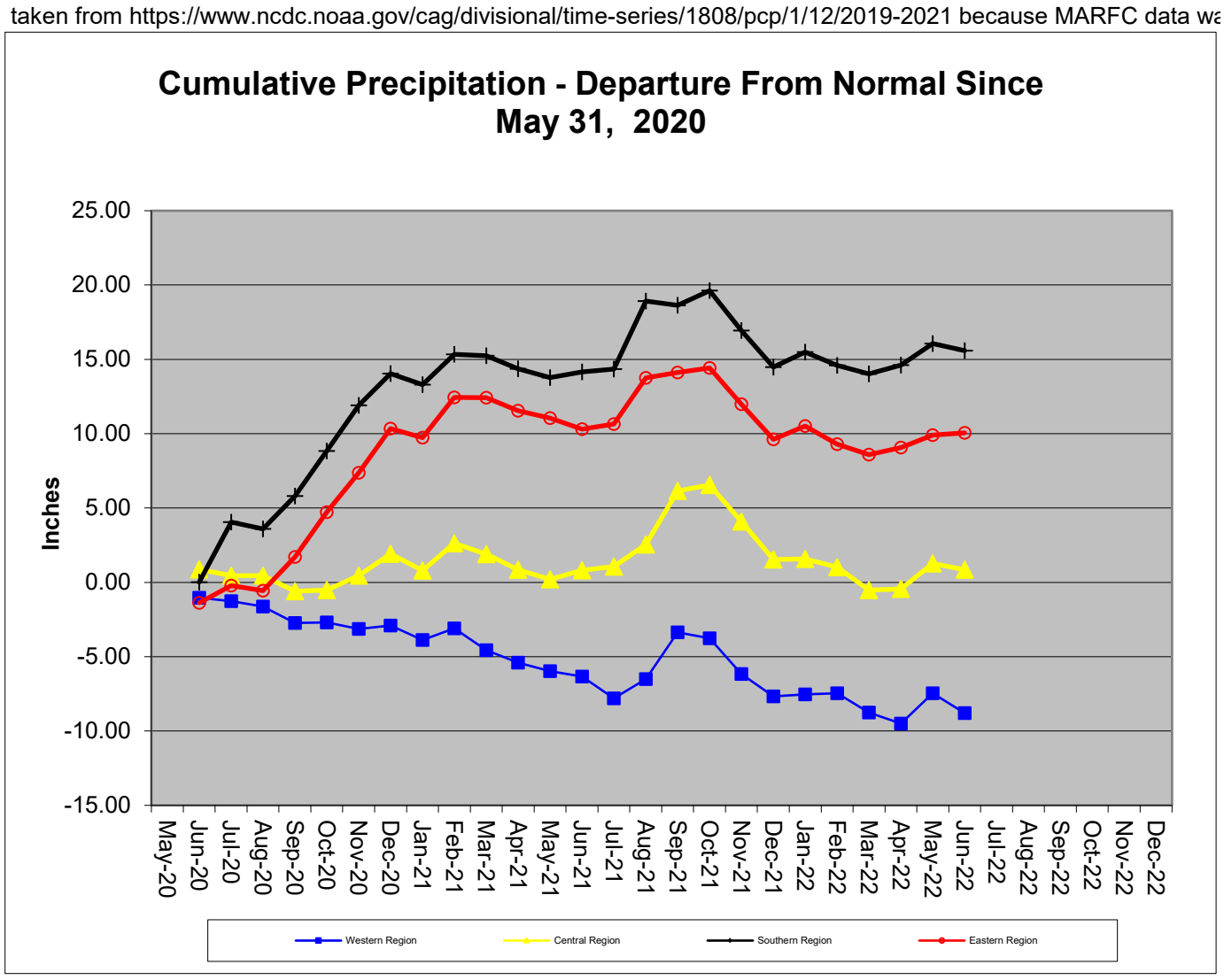
Overall Hydrologic Status for Maryland

Summary of Hydrologic Indicators for 30-June-2022					
	Rainfall	**Stream Flow**	**Groundwater**	**Reservoirs**	Overall Status
Western	Watch	Watch	Normal	Normal	Normal
Central	Normal	Normal	Normal	Normal	Normal
Eastern	Normal	Normal	Normal		Normal
Southern	Normal		Normal		Normal

Precipitation Indicators for Maryland Drought Regions June 30, 2022						
	WY to Date		Since Dec 30, 2021		Since June 30, 2021	
Regions	**Percent of Normal**	**Condition**	**Percent of Normal**	**Condition**	**Percent of Normal**	**Condition**
Western	82%	Watch	95%	Normal	100%	Normal
Central	84%	Normal	97%	Normal	112%	Normal
Eastern	87%	Normal	102%	Normal	113%	Normal
Southern	90%	Normal	105%	Normal	114%	Normal
WY or Water Year begins on October 1						



Data downloaded from http://www.weather.gov/marfc/Precipitation_Departures except for Garrett County, which was taken from https://www.ncdc.noaa.gov/cag/divisional/time-series/1808/pcp/1/12/2019-2021 because MARFC data wa



Precipitation in Maryland Counties
as of 30 June 2022 (WY 2022)

		Normal Rainfall, Actual Rainfall and Rainfall Departure from Normal in Inches															
		WY[1] To Date (Since Sep 30, 2021)				12 Months (Since June 30, 2021)				3 Months (Since March 31, 2022)				6 Months (Since Dec 31, 2021)			
	COUNTY	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart	%	Normal	Actual	Depart	%
WESTERN REGION	ALLEGANY	28.8	22.2	-6.6	77%	39.1	36.0	-3.1	92%	11.3	10.8	-0.5	96%	19.9	17.7	-2.2	89%
	GARRETT	34.7	31.3	-3.4	90%	47.1	44.4	-2.7	94%	13.3	13.0	-0.3	98%	24.3	24.1	-0.2	99%
	WASHINGTON	29.3	23.0	-6.3	78%	39.8	38.2	-1.6	96%	11.2	11.9	0.7	106%	19.9	18.9	-1.0	95%
	Regional Average	30.9	25.5	-5.4	82%	42.0	39.5	-2.5	94%	11.9	11.9	-0.0	100%	21.4	20.2	-1.1	95%
CENTRAL REGION	BALTIMORE COUNTY	33.7	27.5	-6.2	82%	45.6	43.7	-1.9	96%	12.0	13.0	1.0	108%	22.5	20.9	-1.6	93%
	CARROLL	31.8	25.0	-6.8	79%	43.5	42.9	-0.6	99%	11.6	11.3	-0.3	97%	21.3	19.0	-2.3	89%
	CECIL	32.6	31.1	-1.5	95%	45.0	50.0	5.0	111%	11.6	15.8	4.2	136%	21.8	24.3	2.5	111%
	FREDERICK	31.3	22.7	-8.6	73%	42.3	40.4	-1.9	96%	11.8	10.9	-0.9	92%	21.2	18.1	-3.1	85%
	HARFORD	33.1	28.9	-4.2	87%	45.7	48.3	2.6	106%	11.9	14.6	2.7	123%	22.0	22.6	0.6	103%
	HOWARD	33.0	27.8	-5.2	84%	44.4	41.2	-3.2	93%	12.0	13.1	1.1	109%	22.2	21.0	-1.2	95%
	MONTGOMERY	31.3	26.8	-4.5	86%	42.6	42.9	0.3	101%	11.7	13.5	1.8	115%	21.2	21.5	0.3	101%
	Regional Average	32.4	27.1	-5.3	84%	44.2	44.2	0.0	100%	11.8	13.2	1.4	112%	21.7	21.1	-0.7	97%
SOUTHERN REGION	ANNE ARUNDEL	31.5	29.4	-2.1	93%	42.8	43.2	0.4	101%	11.5	13.6	2.1	118%	21.2	23.0	1.8	108%
	CALVERT	32.4	28.2	-4.2	87%	44.1	44.7	0.6	101%	11.8	12.4	0.6	105%	21.9	21.7	-0.2	99%
	CHARLES	31.0	27.7	-3.3	89%	42.5	45.1	2.6	106%	11.2	12.6	1.4	113%	20.8	21.9	1.1	105%
	PRINCE GEORGES	31.3	28.4	-2.9	91%	42.5	44.2	1.7	104%	11.4	12.9	1.5	113%	20.9	22.3	1.4	107%
	ST MARYS	31.7	28.9	-2.8	91%	43.7	45.5	1.8	104%	11.2	13.4	2.2	120%	21.3	22.7	1.4	107%
	Regional Average	31.6	28.5	-3.1	90%	43.1	44.5	1.4	103%	11.4	13.0	1.6	114%	21.2	22.3	1.1	105%
EASTERN REGION	CAROLINE	31.7	28.6	-3.1	90%	43.6	44.8	1.2	103%	11.3	13.4	2.1	119%	21.4	23.2	1.8	108%
	DORCHESTER	32.0	25.8	-6.2	81%	43.9	40.6	-3.3	92%	11.5	11.9	0.4	103%	21.8	21.0	-0.8	96%
	KENT	31.7	26.9	-4.8	85%	43.5	41.2	-2.3	95%	11.4	13.3	1.9	117%	21.4	21.5	0.1	100%
	QUEEN ANNES	31.6	29.0	-2.6	92%	43.3	43.8	0.5	101%	11.3	14.3	3.0	127%	21.3	23.6	2.3	111%
	SOMERSET	30.7	24.4	-6.3	79%	43.2	41.9	-1.3	97%	10.4	9.8	-0.6	94%	21.0	19.0	-2.0	90%
	TALBOT	32.1	30.4	-1.7	95%	44.0	45.2	1.2	103%	11.5	15.5	4.0	135%	21.7	24.9	3.2	115%
	WICOMICO	31.7	29.1	-2.6	92%	44.0	47.2	3.2	107%	10.9	11.8	0.9	108%	21.7	21.7	0.0	100%
	WORCESTER	31.7	26.4	-5.3	83%	44.3	43.0	-1.3	97%	10.4	10.4	0.0	100%	21.3	20.1	-1.2	94%
	Regional Average	31.7	27.6	-4.1	87%	43.7	43.5	-0.3	99%	11.1	12.6	1.5	113%	21.5	21.9	0.4	102%
INDEPENDENT CITY OF BALTIMORE		33.7	27.5	-6.2	82%	45.6	43.7	-1.9	96%	12.0	13.0	1.0	108%	22.5	20.9	-1.6	93%
Statewide Average		31.9	27.4	-4.5	86%	43.6	43.4	-0.2	100%	11.5	12.8	1.3	111%	21.5	21.5	-0.0	100%

WY[1] - USGS Water Year, which begins October 1

Stream Flow Status Based on Thirty Day Average for 2022-May-31

Region	Stream Gage Location	Notes	Status Based on 30 Day Average		
			30 Day Average (cfs)	Percentage	Status
Western	Youghiogheny (near Oakland)		67	15%-20%	Watch
Western	Savage River (near Barton)		13.0	10%-15%	Watch
Western	Wills Creek (near Cumberland)		110	15%-20%	Watch
Western	Marsh Run (at Grimes)		10.2	40%-45%	Normal
Central	Catoctin Creek (near Middletown)		32.8	35%-40%	Normal
Central	Monocacy (Jug Bridge near Frederick)		365	30%-35%	Normal
Central	Patuxent (near Unity)		25.7	65%-70%	Normal
Central	Deer Cr (at Rocks)		105.2	40%-45%	Normal
Eastern	Choptank (near Greensboro)		39.6	25%-30%	Normal
Eastern	Nassawango Creek (near Snow Hill)		21.0	50%-55%	Normal
	Susquehanna (at Marietta)		18,673	30%-35%	Normal
	Potomac (at Little Falls)(Adjusted)		6,373	25%-30%	Normal

Notes:

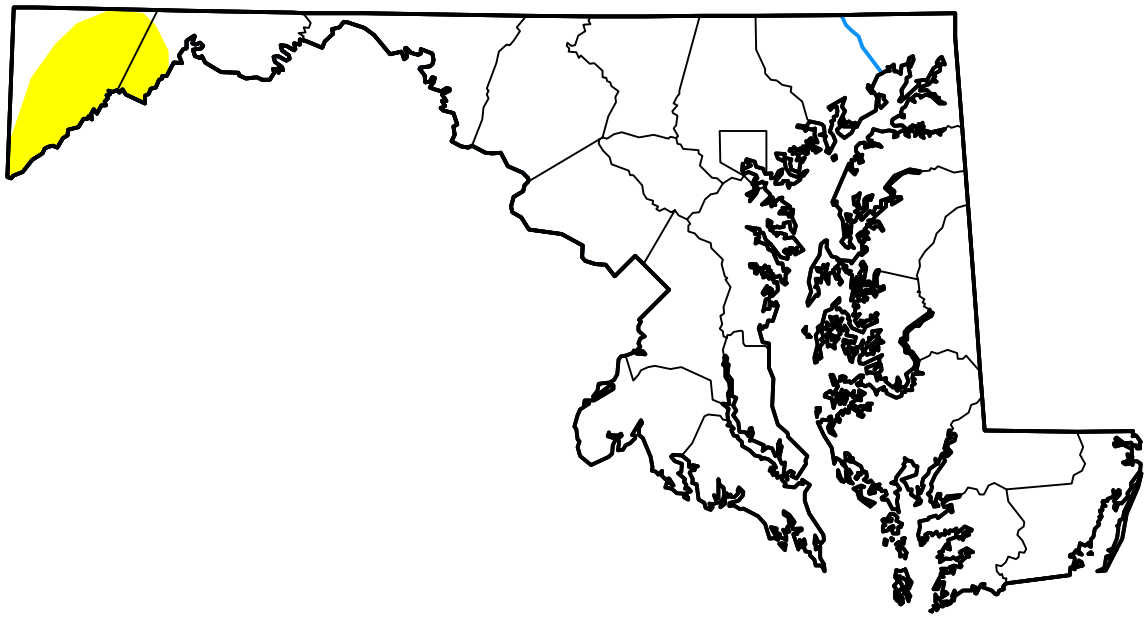
Ground Water Status for 30 June 2022				
Region	USGS Well ID	Well Level[1]	Status	
Western	GA Bc 1	10.86	Normal	Normal
	AL Ah 1	4.79	Normal	
	WA Be 2	31.27	Normal	
	WA Bk 25	45.34	Normal	
Central	BA Dc 444	37.16	Normal	Normal
	BA Ea 18	22.22	Normal	
	HA Bd 31	9.66	Normal	
	HA Ca 23	6.77	Normal	
	MO Cc 14	31.97	Normal	
Eastern	QA Cg 69	3.95	Normal	Normal
	WI Cg 20	5.70	Normal	
	MC51-01	12.04	Normal	
	SO Cf 2	4.15	Normal	
Southern	CH Bg 12 (unconfined)	4.92	Normal	***Normal***
	AA Cc 40 (confined)	NA[2]	Unknown	
	CA Fd 54 (confined)	239.11	On Trend[4]	
	CH Dd 33 (confined)	NA[2]	Unknown	
	PG De 21 (confined)	NA[2]	Unknown	
	SM Fg 45 (confined)	NA[2]	Unknown	

[1] - Measurement of water level as feet below land surface
[2] - Not Available as of 2022-06-03
[3] - Value computed from real time measurement
[4] - In accordance with Maryland's drought monitoring and response plan, the impact of drought upon confined aquifers is analyzed as a departure from long term trend.

Selected ground water levels are available from USGS at:
http://md.water.usgs.gov/groundwater/
Data for other wells may be downloaded from:
USGS - NWIS Web Information for USA

U.S. Drought Monitor

Maryland



July 5, 2022

(Released Thursday, Jul. 7, 2022)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	94.10	5.90	0.00	0.00	0.00	0.00
Last Week *06-28-2022*	94.10	5.90	0.00	0.00	0.00	0.00
3 Months Ago *04-05-2022*	11.07	88.93	9.80	0.00	0.00	0.00
Start of Calendar Year *01-04-2022*	55.15	44.85	0.00	0.00	0.00	0.00
Start of Water Year *09-28-2021*	100.00	0.00	0.00	0.00	0.00	0.00
One Year Ago *07-06-2021*	100.00	0.00	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. For more information on the Drought Monitor, go to https://droughtmonitor.unl.edu/About.aspx

Author:

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CPC/NOAA

droughtmonitor.unl.edu

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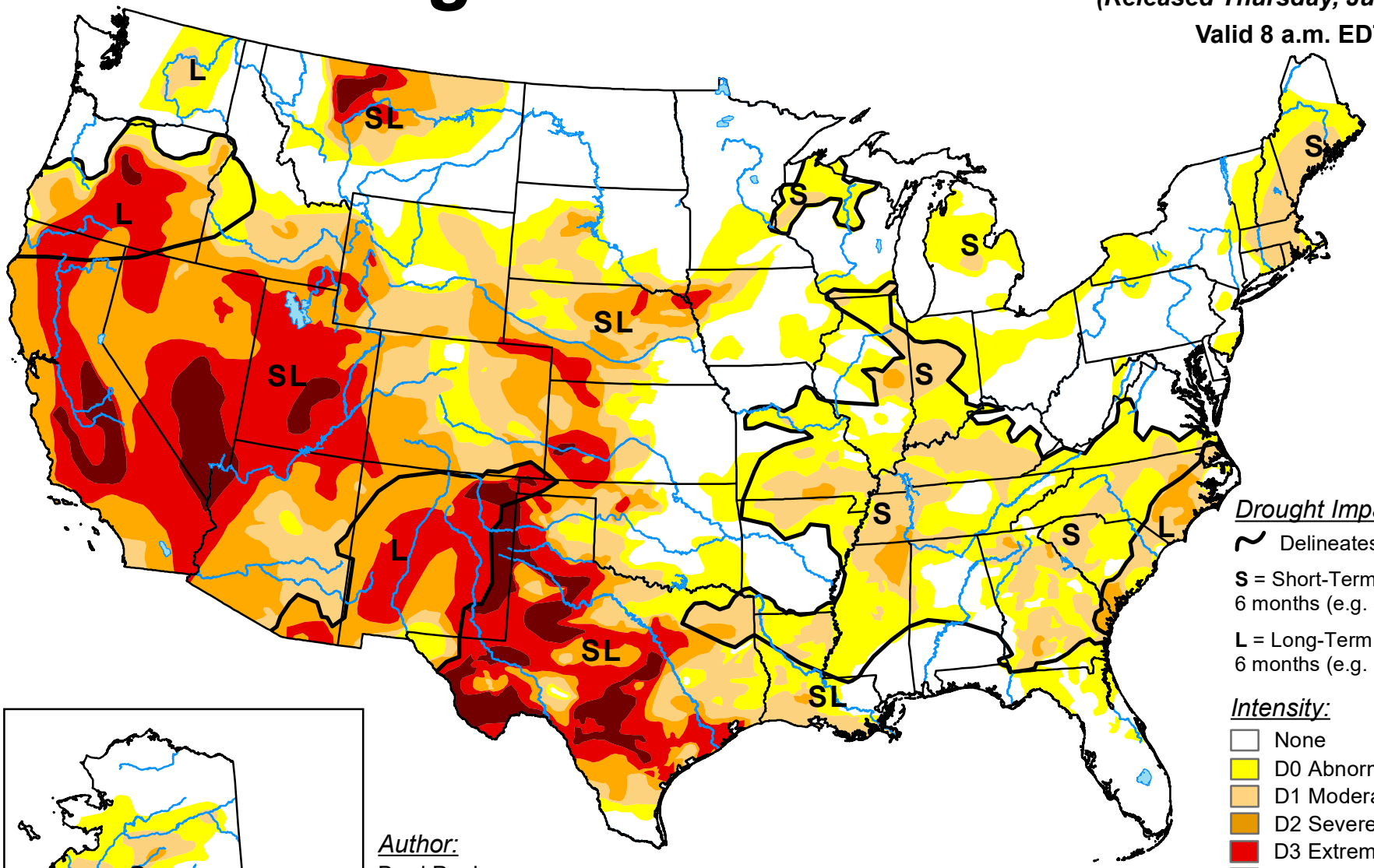

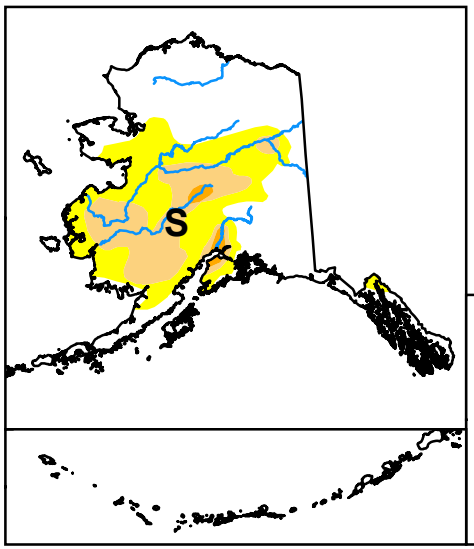

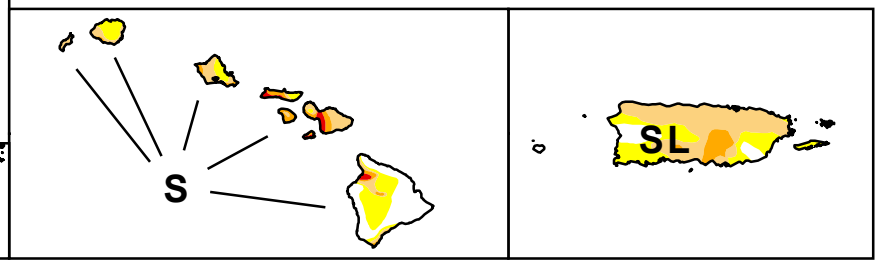

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Drought Impact Types:

~ Delineates dominant impacts

S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)

L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

Intensity:

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

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