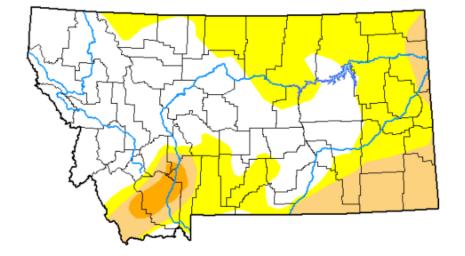


July 1, 2021

Legislative Finance Committee Meeting

Ann Schwend, MT DNRC Water Planner



June 30, 2020

(Released Thursday, Jul. 2, 2020) Valid 8 a.m. EDT

Drought Conditions (Percent Area)

		None	D0-D4	D1-D4	D2-D4	D3-D4	D4
(Current	49.46	50.54	15.19	2.19	0.00	0.00
	st Week 6-25-2 <i>0</i> 20	47.74	52.26	14.51	1.74	0.00	0.00
	onth s Ago 4-02-2020	88.24	11.76	0.00	0.00	0.00	0.00
Cale	Start of endar Year 1-02-2020	89.74	10.26	0.07	0.00	0.00	0.00
W	Start of ater Year 0-03-2019	97.38	2.62	0.09	0.00	0.00	0.00
	Year Ago 7-03-2019	87.72	12.28	3.44	0.46	0.00	0.00

Intensity:

None D2 Severe Drought
D0 Abnormally Dry D3 Extreme Drought
D1 Moderate 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:

David Simeral Western Regional Climate Center

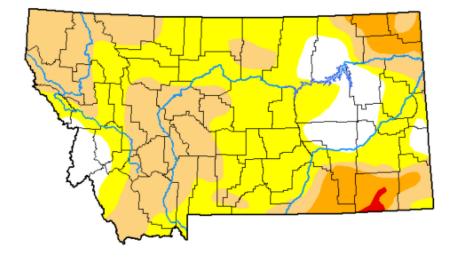








droughtmonitor.unl.edu



October 6, 2020

(Released Thursday, Oct. 8, 2020) Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	11.87	88.13	42.28	7.29	0.36	0.00
Last Week 10-01-2020	11.86	88.14	40.59	4.22	0.02	0.00
3 Month s Ago 07-09-2020	54.82	45.18	9.10	2.22	0.00	0.00
Start of Calendar Year 01-02-2020	89.74	10.26	0.07	0.00	0.00	0.00
Start of Water Year 10-01-2020	11.86	88.14	40.59	4.22	0.02	0.00
One Year Ago 10-10-2019	99.91	0.09	0.00	0.00	0.00	0.00

Intensity:



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Local conditions may vary. For more information on the

Drought Monitor, go to https://droughtmonitor.unl.edu/About.aspx

Author:

Brian Fuchs

National Drought Mitigation Center

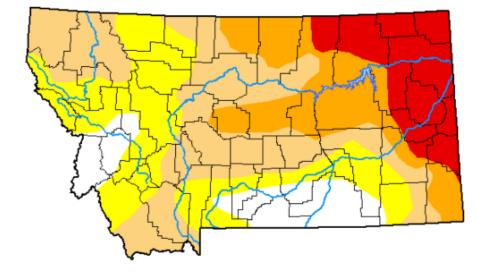








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April 27, 2021

(Released Thursday, Apr. 29, 2021) Valid 8 a.m. EDT

Drought Conditions (Percent Area)

		None	D0-D4	D1-D4	D2-D4	D3-D4	D4
	Current	10.94	89.06	63.46	31.37	14.25	0.00
	Last Week 04-20-2021	11.78	88.22	62.27	28.11	10.91	0.00
	3 Month's Ago 01-26-2021	14.45	85.55	48.24	16.20	0.36	0.00
	Start of Calendar Year 12-29-2020	36.37	63.63	34.41	8.27	0.36	0.00
	Start of Water Year 09-29-2020	11.86	88.14	40.59	4.22	0.02	0.00
	One Year Ago 04-28-2020	90.31	9.69	0.00	0.00	0.00	0.00

Intensity:

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

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Author:

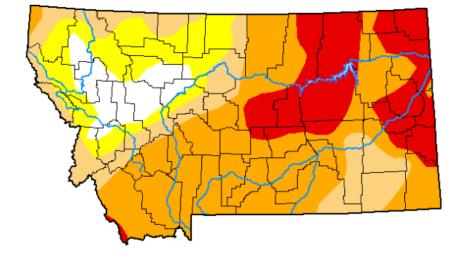
Richard Heim NCEI/NOAA











June 29, 2021

(Released Thursday, Jul. 1, 2021)
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	7.49	92.51	78.41	60.96	19.94	0.00
Last Week 06-22-2021	8.77	91.23	68.60	47.84	14.25	0.00
3 Month's Ago 03-30-2021	16.61	83.39	41.97	17.16	0.44	0.00
Start of Calendar Year 12-29-2020	36.37	63.63	34.41	8.27	0.36	0.00
Start of Water Year 09-29-2020	11.86	88.14	40.59	4.22	0.02	0.00
One Year Ago 06-30-2020	49.45	50.55	15.19	2.19	0.00	0.00

Intensity:

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

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Author:

Deborah Bathke National Drought Mitigation Center

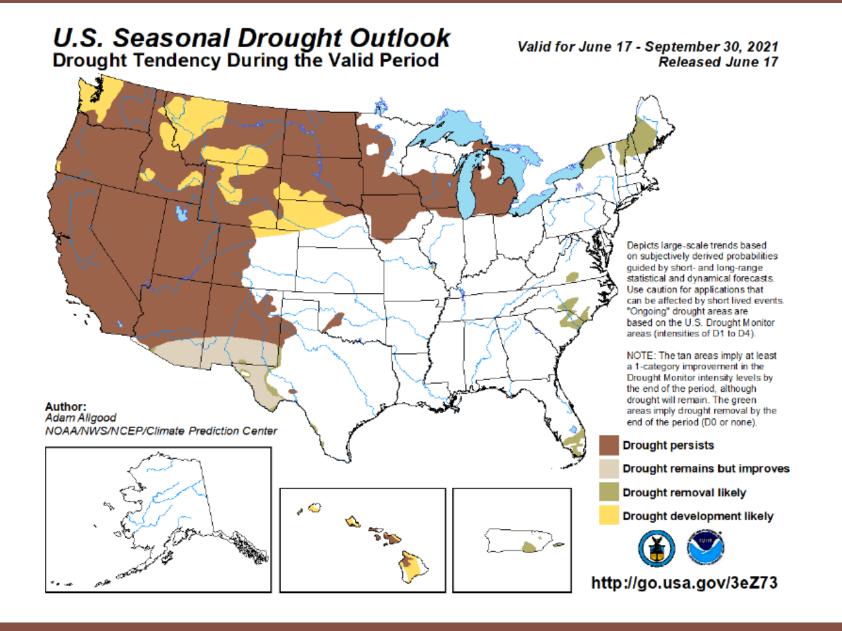




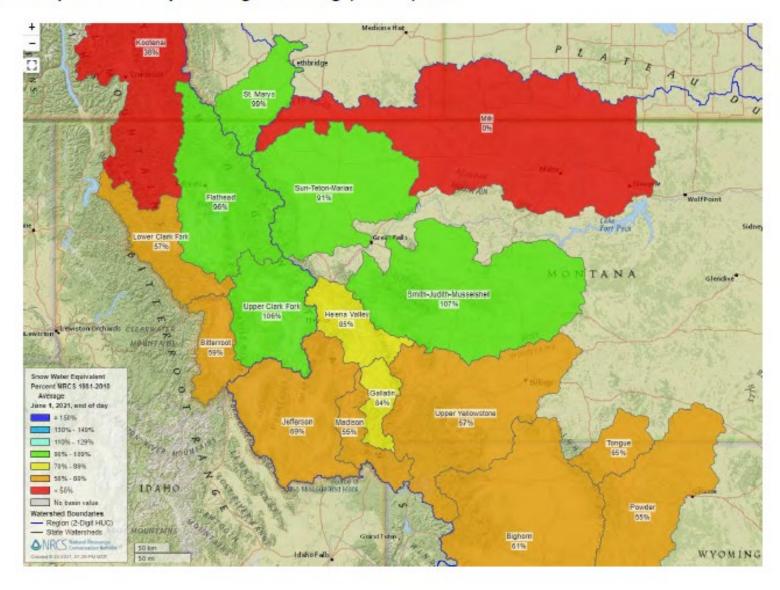




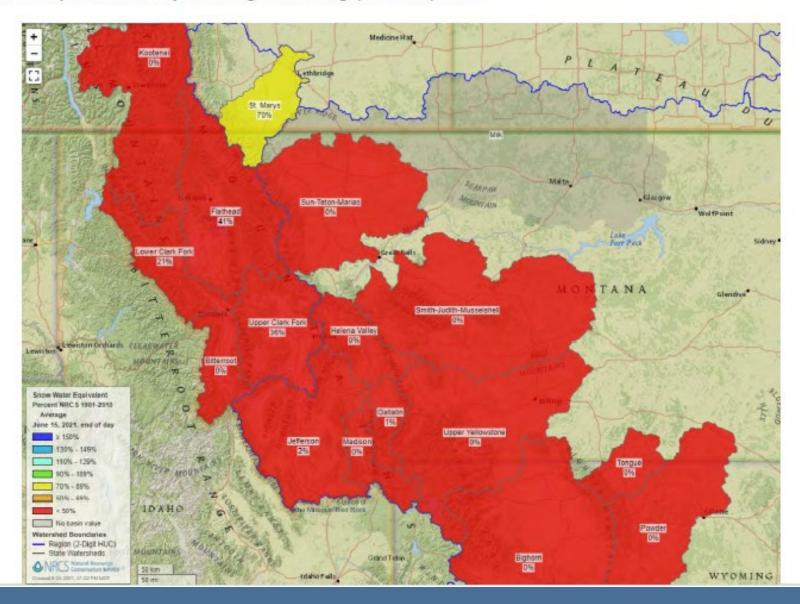
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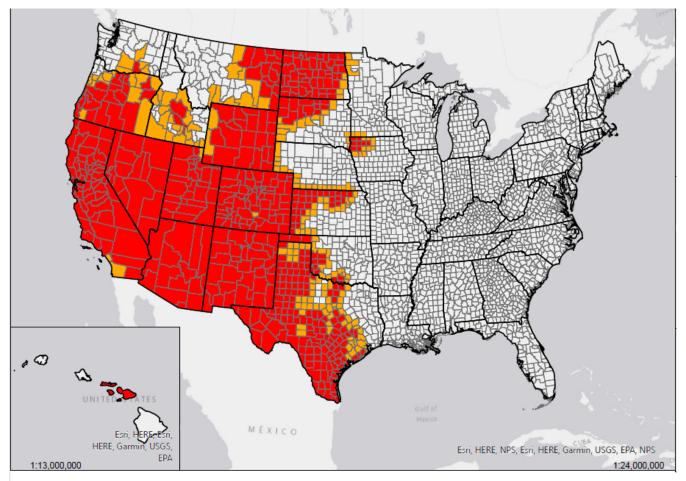


Snow Water Equivalent as a percentage of average, June 1, 2021



Snow Water Equivalent as a percentage of average, June 15, 2021



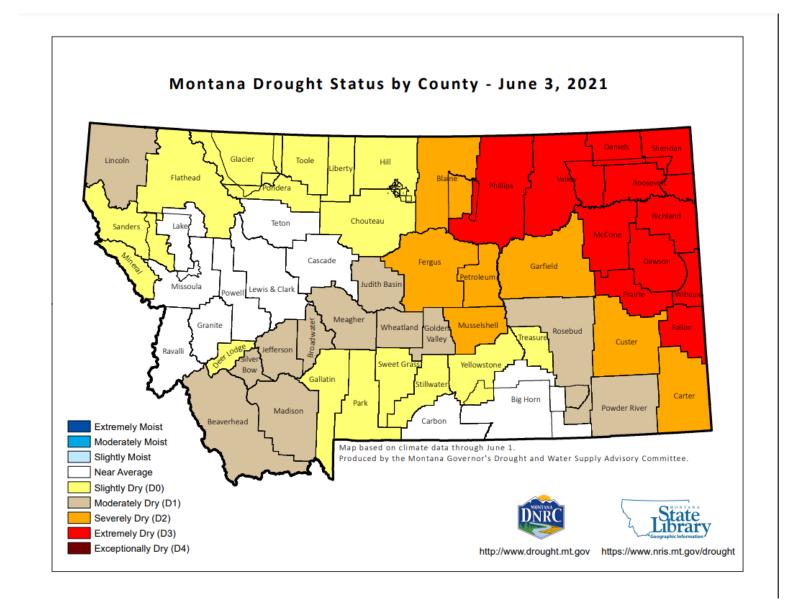




United States Department of Agriculture Farm Service Agency Program Delivery/Safety Net Division May 12, 2021

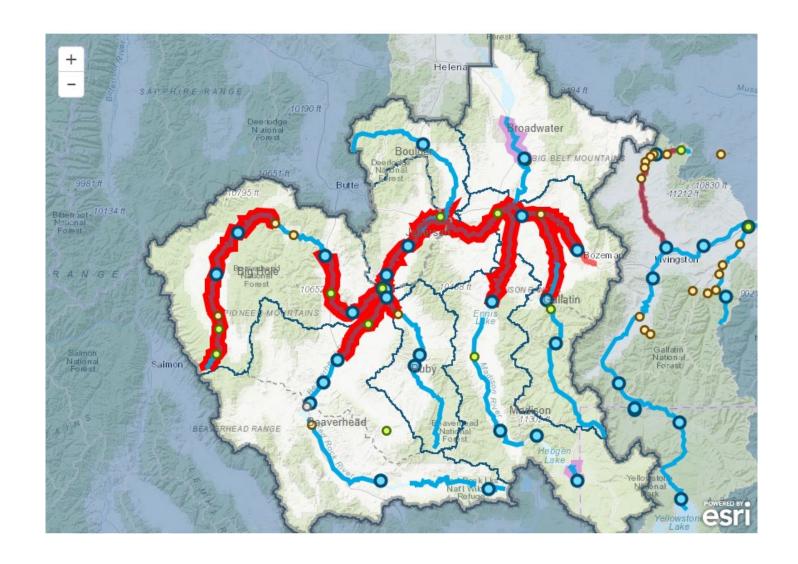
Secretarial Drought Designations for 2021 Disaster Incidences as of May 12, 2021

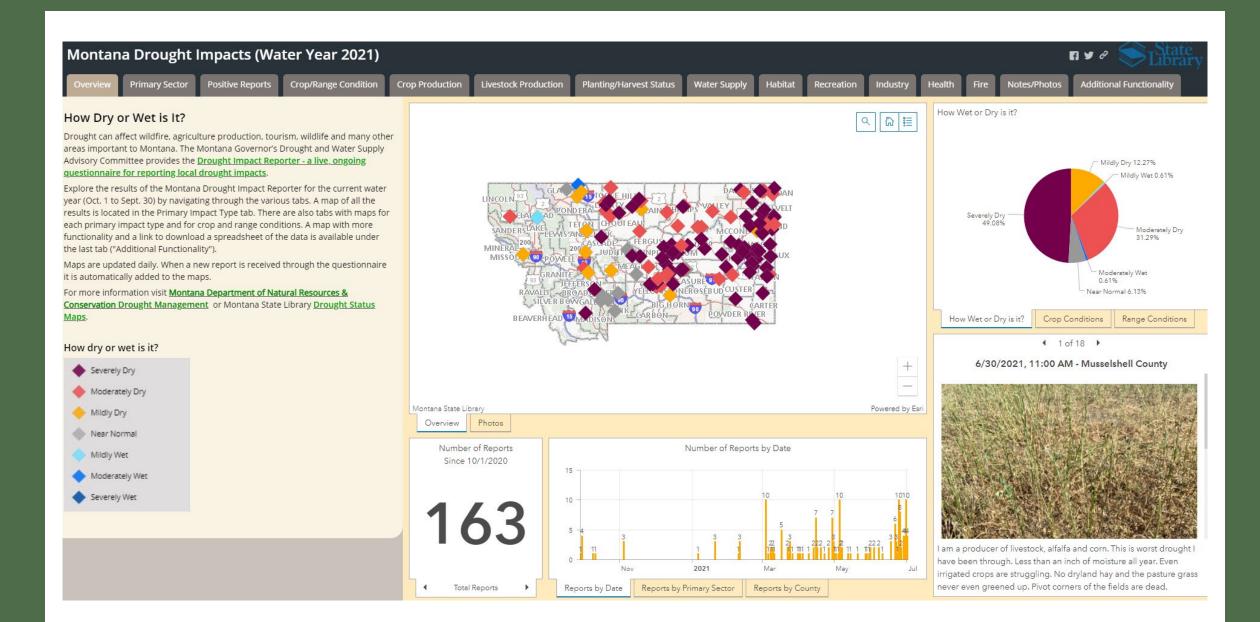
Primary Counties: 524
Contiguous Counties: 190



Category	Historically observed impacts
D0	Soil moisture is low, dryland crop germination is poor, pastures are dry
	Fire danger increases
	Streamflow is low, affecting recreation fishing
D1	Producers feed livestock supplemental hay; crops are stressed and growth is poor
Di	Fire restrictions are implemented
	Hay and crop yields are low; hay quality is poor; subsoil moisture is nonexistent
D2	Fire count and danger are high; air quality is poor, with dust and smoke
DZ	Trees and landscaping show signs of stress and lose leaves
	Livestock ponds are low or dry; water quality is monitored; wells are stressed
	Crops are not harvestable; winter pasture is opened for grazing; producers are hauling water and buying expensive supplemental feed, culling cattle and selling early; soil has large cracks; fields are bare
D3	Fire restrictions increase
	Agriculture and local business face economic loss
	Cattle have very little water; water quality is toxic
	Pasture loss is widespread; crops are destroyed
D4	Property is closed for hunting
	Drought hotlines are in place
	Fire risk is extremely high; fires are widespread

Streams in the Upper Missouri Under Hoot Owl Fishing Restrictions





6/21/2021, 12:00 PM - Phillips County



This photo was take 6-20-21 north and west of Malta. No cattle have been in the pasture, this reservoir will be dry by July 2021.

6/30/2021, 11:00 AM - Musselshell County



I am a producer of livestock, alfalfa and corn. This is worst drought I have been through. Less than an inch of moisture all year. Even irrigated crops are struggling. No dryland hay and the pasture grass never even greened up. Pivot corners

6/29/2021, 12:00 PM - Broadwater County



6/21/2021, 12:00 PM - Phillips County



his phot was taken 6-20-21 north and east of Malta. Grasshoppers are eating the wheat.

6/17/2021, 12:00 PM - Petroleum County



We raise beef cattle. We have a good water line system and cattle have enough water because of pipelines and troughs. All reservoirs and dams are dry or nearly dry. Hot days with lots of wind has cured everything already. Peak green was around May 30. We report for the weather service and at the end of May we were 30% of normal for the water year.

3/23/2021, 12:00 PM - Richland County



Drought conditions are continuing.

Governor's Drought Emergency Declaration