

MN Interagency Guide for Determining Preparedness Level

	Level I	Level II	Level III	Level IV	Level V	5 Day Ave
Statewide						
BI (X) spring/pre-green	0 - 23	24 - 47	48 - 95	96 - 130	131 +	
BUI after June 1	0 - 29	30 - 49	50 - 69	70 - 88	89 +	
ERC (Y) after June 1	0 - 15	16 - 22	23 - 27	28 - 30	31 +	
Arrowhead						
BI (X) spring/pre-green	0 - 20	21 - 42	43 - 84	85 - 119	120 +	
BUI after June 1	0 - 12	13 - 24	25 - 49	50 - 68	69 +	
ERC (Y) after June 1	0 - 14	15 - 20	21 - 25	26 - 28	29 +	
East Central Hardwoods						
BI (X) spring/pre-green	0 - 25	26 - 51	52 - 103	104 - 136	137 +	
BUI after June 1	0 - 39	40 - 59	60 - 79	80 - 100	101 +	
ERC (Y) after June 1	0 - 16	17 - 23	24 - 28	29 - 31	32 +	
North Central Woodlands						
BI (X) spring/pre-green	0 - 23	24 - 49	50 - 98	99 - 129	130 +	
BUI after June 1	0 - 39	40 - 59	60 - 79	80 - 100	101 +	
ERC (Y) after June 1	0 - 16	17 - 23	24 - 28	29 - 31	32 +	
Northern Peatlands						
BI (X) spring/pre-green	0 - 23	24 - 49	50 - 98	99 - 132	133 +	
BUI after June 1	0 - 24	25 - 54	55 - 69	70 - 85	86 +	
ERC (Y) after June 1	0 - 16	17 - 23	24 - 28	29 - 31	32 +	
Prairie Parklands						
BI (X) spring/pre-green	0 - 26	27 - 52	53 - 105	106 - 141	142 +	
BUI after June 1	0 - 24	25 - 54	55 - 69	70 - 85	86 +	
ERC (Y) after June 1	0 - 16	17 - 23	24 - 28	29 - 31	32 +	
Southeast Hardwoods						
BI (X) spring/pre-green	0 - 23	24 - 46	47 - 93	94 - 141	142 +	
BUI after June 1	0 - 39	40 - 59	60 - 79	80 - 100	101 +	
ERC (Y) after June 1	0 - 16	17 - 23	24 - 29	30 - 32	33 +	
Southwest Prairie						
BI (X) spring/pre-green	0 - 24	25 - 51	52 - 102	103 - 144	145 +	
BUI after June 1	0 - 39	40 - 54	55 - 69	70 - 85	86 +	
ERC (Y) after June 1	0 - 17	18 - 24	25 - 30	31 - 33	34 +	

MN Interagency Guide for Determining Preparedness Level

	Level I	Level II	Level III	Level IV	Level V
8-14 day Weather Forecast	Winter conditions, most of State snow covered, temps below freezing.	Normal conditions for season, adequate precip. expected	Less than normal precip. and RH, higher than normal temps forecast	Dry weather patterns persisting, no change forecast	Dry pattern intensifying. Unstable weather forecast leading to extreme fire behavior conditions.
MN Regional Planning Levels	All Regions/Agencies at P.L. I	One or more Regions/Agencies at P.L. II	Two or more Regions/Agencies at P.L. III	Two or more Regions/Agencies at P.L. IV	Two or more Regions/Agencies at P.L. V
Eastern Area Planning Level	I-II	I-III	I-IV	I-V	I-V
National Planning Level	I-III	I-IV	I-V	I-V	I-V
Fire Occurrence (Initial Attack)	Rare, infrequent fire occurrence	Fires reported in scattered Areas. Generally less than 10 fires/day Statewide.	Multiple Areas/Agencies reporting fires. 10 to 20 fires/day Statewide	Multiple Areas/Agencies reporting fires. 20 to 30 fires/day Statewide	Multiple Areas/Agencies reporting fires. 30+ fires/day Statewide.
Fire Occurrence (Escaped fires)	None	None	1-2 fires requiring extended attack Statewide (more than mop-up)	3-5 fires requiring extended attack Statewide	5+ fires requiring extended attack Statewide
Resource Availability	Normal complement of personnel.	No shortages expected.	Moderate demand for some in-state resource types expected	Shortage of certain in-state resource types	Most in-state resources committed. Out of State assistance necessary.
In-State Mobilization	None	Less than 5% of statewide resources assigned out of home unit.	Some short term movement occurring , 5-10% of statewide resources assigned out of home unit.	10-20% of statewide resources assigned out of home unit.	20%+ of statewide resources assigned out of home unit.
Sociopolitical Considerations	<i>Statewide or Regional events such as fishing opener or the Fourth of July; natural events such as floods or windstorms; other unexpected or unusual events that may have large scale impacts should be considered.</i>				
Other Considerations or Comments	<p><i>Apply A designator when resources are out of state and/or E during a declared State of Emergency</i></p> <p>Preparedness indices not currently being calculated and relying on current fire activity and snow free conditions to establish PL Level</p>				

II
I

Final Preparedness Level Determination

	Level I	Level II	Level III	Level IV	Level V
Statewide		II			
Arrowhead		II			
East Central Hardwoods			III		
North Central Woodlands		II			
Northern Peatlands		II			
Prairie Parklands		II			
Southeast Hardwoods			III		
Southwest Prairie			III		

Prepared By: Travis Verdegan
Date: Tuesday, March 5, 2024

Approved By: MNICS Taskforce
Date: Tuesday, March 5, 2024

Narrative

Overview

Over the last week we've seen an exponential increase in fire activity both from an occurrence and acres burned perspective. This has correlated with increasing potential across the state as fuels continue to dry out under a mostly precip free scenario over parts of the state seeing the most fire activity.

With precip forecast over most of the state in the coming days and fire weather forecasts showing a decreasing trend in fire potential we may expect to see fire activity maintain over the state although the acceleration of activity we saw over the last week may flatten out some. Watch for increased wind and temps in the fire weather forecasts to bring about another upward trending level of activity in the coming week.

CPC 6 – 10 and 8 – 14 Day Outlooks

The CPC 6-10 day and 8-14 day outlooks both show indications of above normal temps. Precip potential may vary from drier in the shorter term to wetter in the longer term.

Drought monitor

The latest drought monitor brought further degradation across the state with the entire state at least categorized by abnormally dry conditions and over 50% at moderate drought or above.

NFDRS

NFDRS values are not being calculated at this time. A recalc will be done as predictive services is able to catch up with station management in WIMS.

CFFDRS

CFFDRS values are being calculated and drought code start up values have been adjusted to reflect overwinter precip deficits.

Statewide

Preparedness Indices – Statewide

Figure 1 - Year to Date NFDRS 2016 Fuel Models

Figure 2 – Statewide - NFDRS 2016 Fuel Models

Figure 3 - Statewide – BUI Average of all Station

Weather Forecasts and Outlooks

Figure 5 - Weekly Summary Forecast for Northwestern MN from NWS Grand Forks

Goodridge, MN Weekly Summary	Tue Mar 5	Wed Mar 6	Thu Mar 7	Fri Mar 8	Sat Mar 9	Sun Mar 10	Mon Mar 11	Tue Mar 12
Max Temp, °F	28	36	26	28	32	39	45	52
Min Temp, °F	10	19	16	9	12	16	24	31
Max RH, %	69	88	93	98	92	91	91	90
Min RH, %	47	66	70	64	60	57	62	61
Max Dewpoint, °F	13	30	23	17	20	25	33	39
Min Dewpoint, °F	2	11	13	9	10	14	22	28
Max Wind, mph	10	22	16	10	9	13	12	13
Min Wind, mph	3	10	9	7	7	8	8	9
Max Wind Gust, time/dir.	11 PM ↘	6 PM ↘	12 AM ↘	1 PM ↘	2 PM ↘	1 PM ↗	12 AM ↗	2 PM ↗
Max Wind Gust, mph	16	33	24	15	15	20	18	21
Min Wind Gust, mph	5	17	13	10	10	13	12	13
Max Cloud Cover, %	77	90	77	38	30	24	33	51
Min Cloud Cover, %	13	39	39	18	8	10	16	33
Max Prob. of Precip., %	18	85	23	4	1	2	3	9

Figure 6 - Weekly Summary Forecast for Northeastern MN from NWS Duluth

Nett Lake, MN Weekly Summary	Tue Mar 5	Wed Mar 6	Thu Mar 7	Fri Mar 8	Sat Mar 9	Sun Mar 10	Mon Mar 11	Tue Mar 12
Max Temp, °F	35	40	37	35	37	41	50	55
Min Temp, °F	13	20	24	17	17	17	23	29
Max RH, %	65	69	86	86	90	89	80	94
Min RH, %	25	41	52	44	37	33	36	42
Max Dewpoint, °F	10	22	26	18	17	17	27	32
Min Dewpoint, °F	1	11	18	14	13	13	18	27
Max Wind, mph	6	21	21	12	12	10	12	13
Min Wind, mph	3	6	7	8	8	7	8	7
Max Wind Gust, time/dir.	7 AM ↘	10 PM ↘	12 AM ↘	2 PM ↘	1 PM ↘	2 PM ↘	12 PM ↘	3 PM ↗
Max Wind Gust, mph	8	31	31	17	18	16	17	18
Min Wind Gust, mph	7	9	12	14	13	9	13	10
Max Cloud Cover, %	74	92	90	57	43	31	35	51
Min Cloud Cover, %	6	38	38	21	11	6	13	27
Max Prob. of Precip., %	8	60	54	12	4	1	2	10

Figure 7 - Weekly Summary Forecast for Southern MN from NWS Chanhassen

Albany, MN Weekly Summary	Tue Mar 5	Wed Mar 6	Thu Mar 7	Fri Mar 8	Sat Mar 9	Sun Mar 10	Mon Mar 11	Tue Mar 12
Max Temp, °F	40	50	40	38	39	43	53	59
Min Temp, °F	21	26	29	25	22	23	28	35
Max RH, %	68	68	92	81	77	81	78	89
Min RH, %	27	36	57	48	46	41	46	53
Max Dewpoint, °F	16	29	30	23	21	25	35	42
Min Dewpoint, °F	8	16	23	18	16	18	22	32
Max Wind, mph	8	21	13	15	14	10	12	13
Min Wind, mph	2	6	8	10	8	7	9	8
Max Wind Gust, time/dir.	4 PM ↘	2 PM ↘	12 AM ↗	5 AM ↘	1 PM ↘	1 PM ↘	2 PM ↗	12 PM ↗
Max Wind Gust, mph	13	31	18	22	21	15	18	18
Min Wind Gust, mph	6	9	12	17	13	10	13	12
Max Cloud Cover, %	82	93	91	68	19	17	25	43
Min Cloud Cover, %	10	16	51	16	4	4	11	27
Max Prob. of Precip., %	2	42	43	17	3	0	2	10

Figure 8 – 7 Day Quantitative Precipitation Forecast from 03/05/24

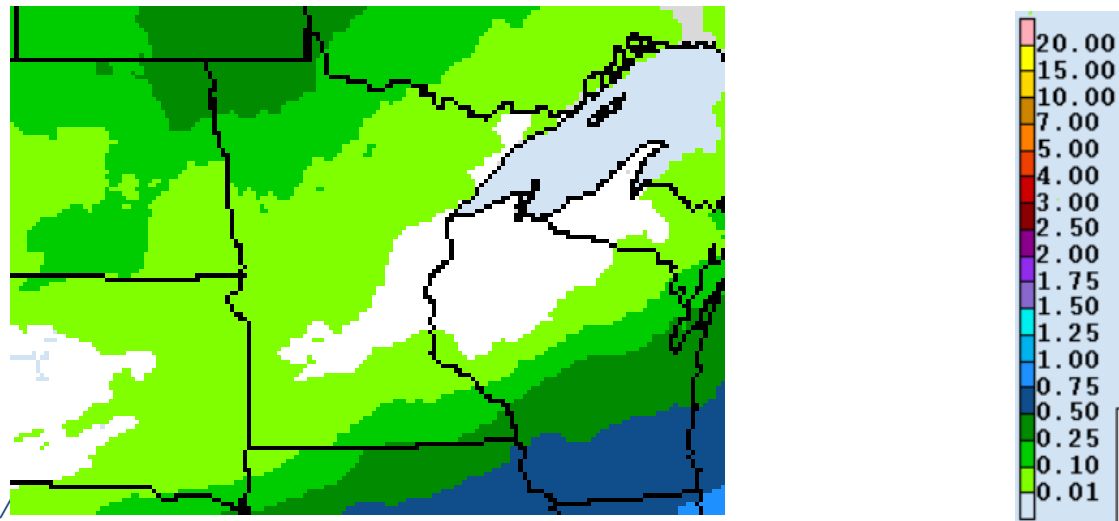


Figure 9 - C P C 6 - 10 Outlook

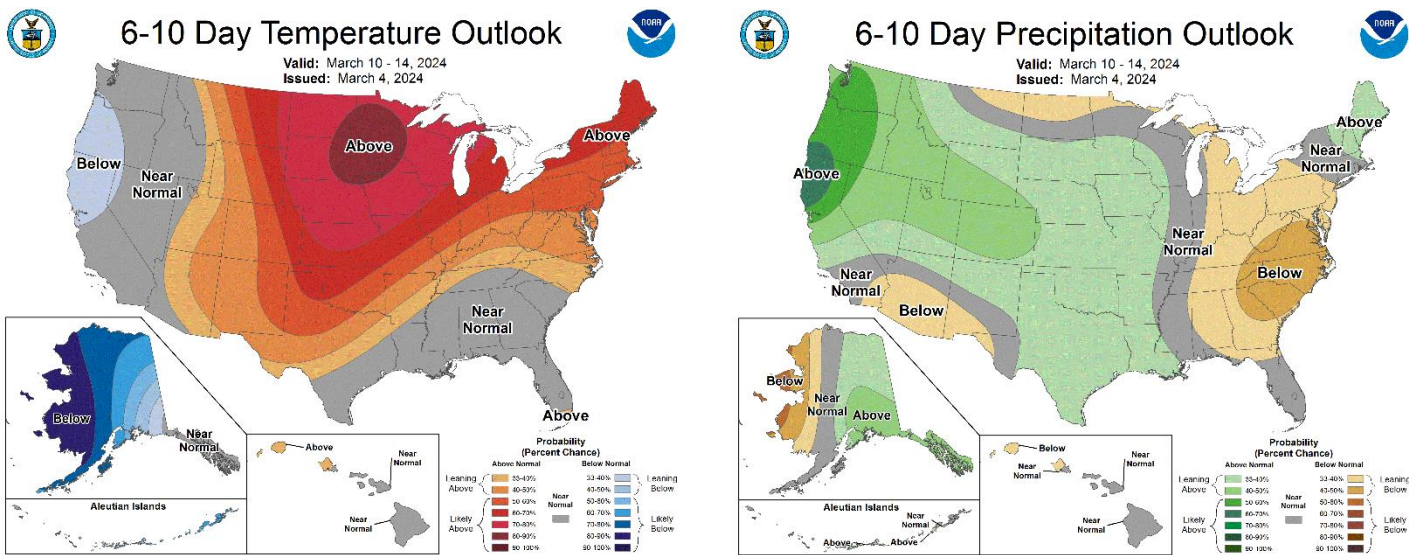
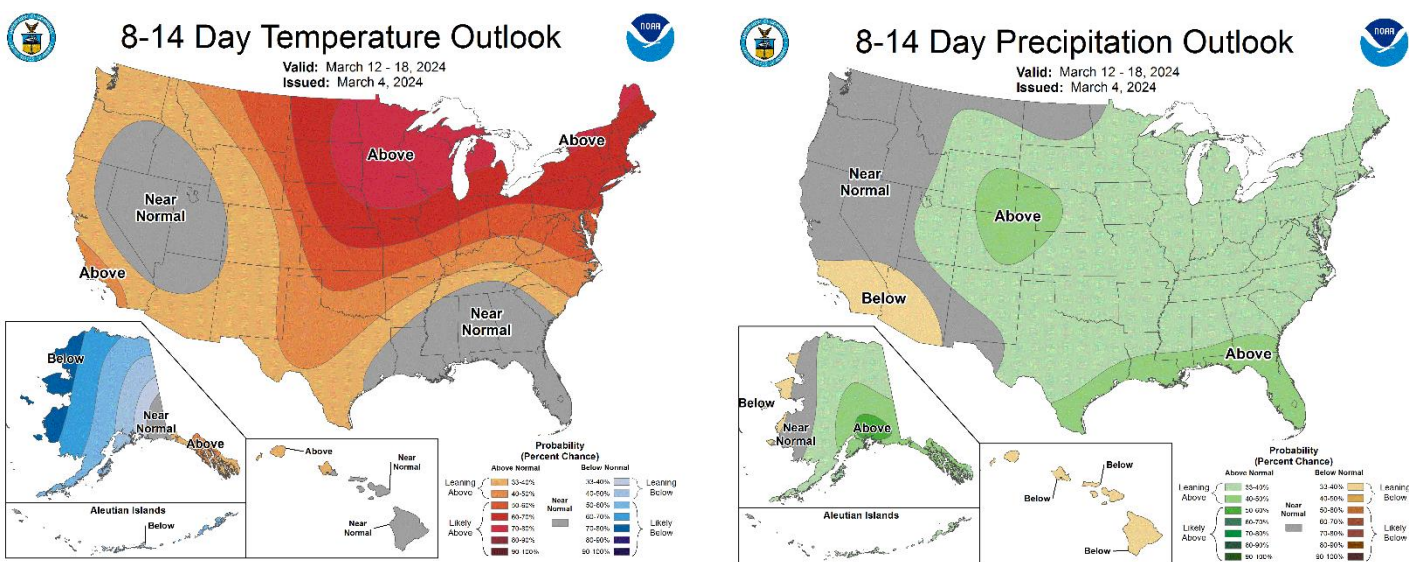
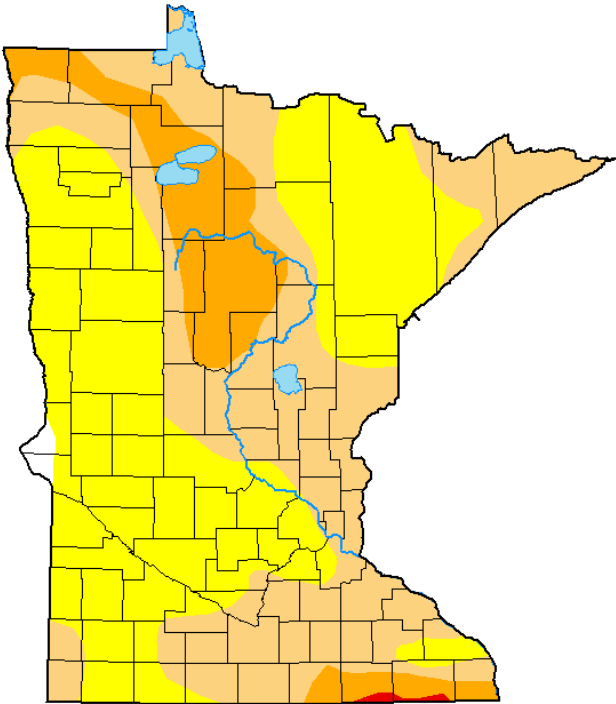


Figure 10 - C P C 8 - 14 Day Outlook



U.S. Drought Monitor
Minnesota

February 27, 2024
(Released Thursday, Feb. 29, 2024)
Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.51	99.49	50.73	12.42	0.25	0.00
Last Week 02-20-2024	14.41	85.59	42.97	12.42	0.25	0.00
3 Months Ago 11-28-2023	10.16	89.84	43.65	18.01	0.25	0.00
Start of Calendar Year 01-02-2024	14.82	85.18	40.24	12.42	0.25	0.00
Start of Water Year 09-26-2023	0.00	100.00	82.65	46.65	8.03	0.00
One Year Ago 02-28-2023	43.38	56.62	27.21	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>

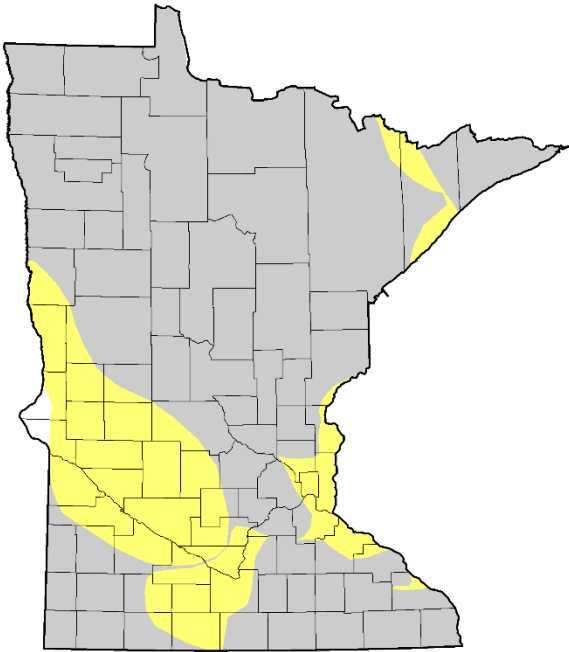
Author:

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NCEI/NOAA



droughtmonitor.unl.edu

U.S. Drought Monitor Class Change - Minnesota
1 Week



- 5 Class Degradation
- 4 Class Degradation
- 3 Class Degradation
- 2 Class Degradation
- 1 Class Degradation
- No Change
- 1 Class Improvement
- 2 Class Improvement
- 3 Class Improvement
- 4 Class Improvement
- 5 Class Improvement

February 27, 2024
compared to
February 20, 2024

droughtmonitor.unl.edu

Arrowhead FDRA

Preparedness Indices - Arrowhead

Figure 12 – Arrowhead – NFDRS 2016 Fuel Models

Figure 13 - Arrowhead CFFDRS

East Central Hardwoods FDRA

Preparedness Indices

Figure 14 - East Central Hardwoods – NFDRS 2016

Figure 15 - East Central Hardwoods – CFFDRS

North Central Woodlands FDRA

Preparedness Indices

Figure 16 - North Central Woodlands - NFDRS 2016

Figure 17 - North Central Woodlands – CFFDRS

Northern Peatlands FDRA

Preparedness Indices

Figure 18- Northern Peatlands - NFDRS 2016

Figure 19 – Northern Peatlands –CFFDRS

Prairie Parklands FDRA

Preparedness Indices

Figure 20 Prairie Parklands - NFDRS 2016

Figure 21 - Prairie Parklands - CFFDRS

Southeast Hardwoods FDRA

Preparedness Documents

Figure 22 - Southeast Hardwoods - NFDRS 2016

Figure 23 - Southeast Hardwoods - CFFDRS

Southwest Prairie FDRA

Preparedness Indices

Figure 24 - Southwest Prairie – NFDRS 2016

Figure 25 Southwest Prairie - CFFDRS