

# Fire Poker User Documentation

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Date: 4/8/2019

Fire Poker Version: 1.3

**1**

The domain in which map overlays are placed. Clicks on the map will populate the forecast information below the map.

**2**

Change Domain - increases the data resolution (see slide 3)

**3**

Bookmark - generates a url that can be bookmarked to save your settings.

**4**

Legend - Shows a legend for the different data overlays

**5**

Layer Control - Opens a menu that you can use to add/remove layers from the map.

**6**

Access to the Fire Weather Forecast text and Forecast Discussion. Warnings, Watches, and Advisories will appear here too

**NATIONAL WEATHER SERVICE**  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

**Fire Poker v1.2** | [Help](#) | [Change Domain](#) | [Bookmark](#) | [Legend](#)

**1** (Map)

**2** (Change Domain)

**3** (Bookmark)

**4** (Legend)

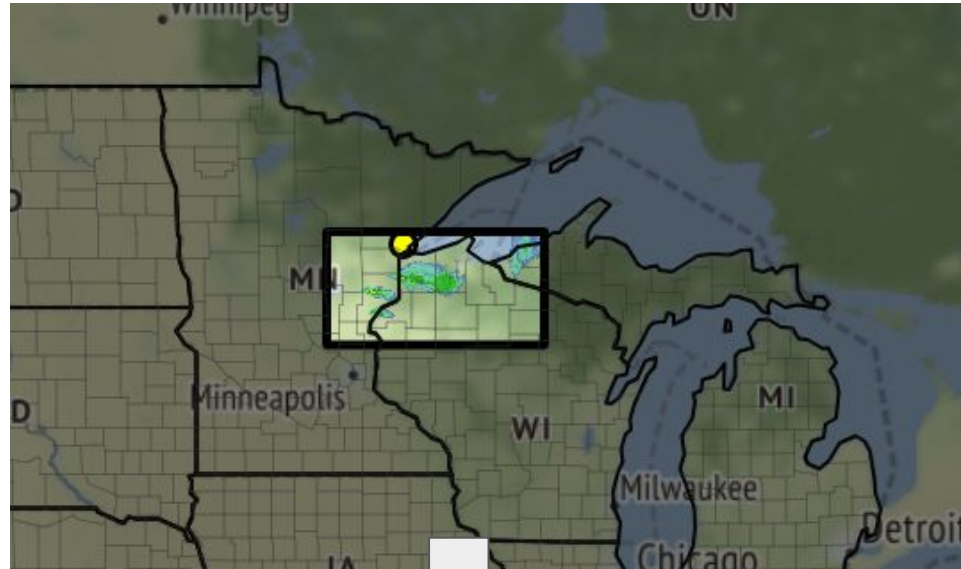
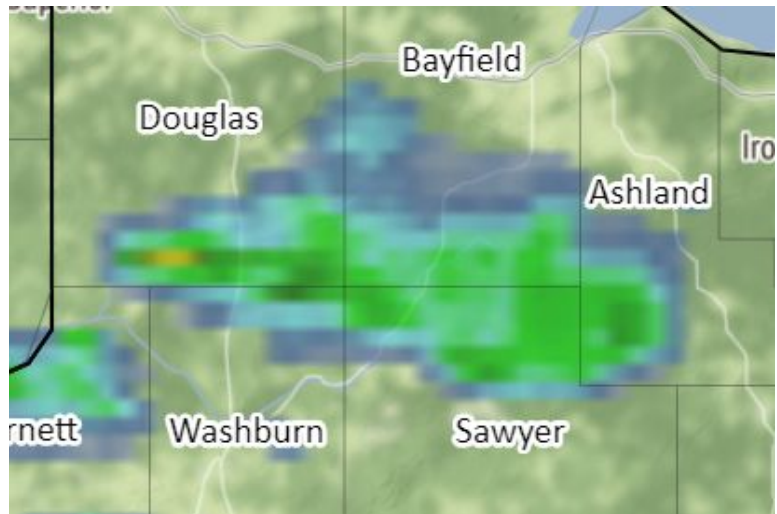
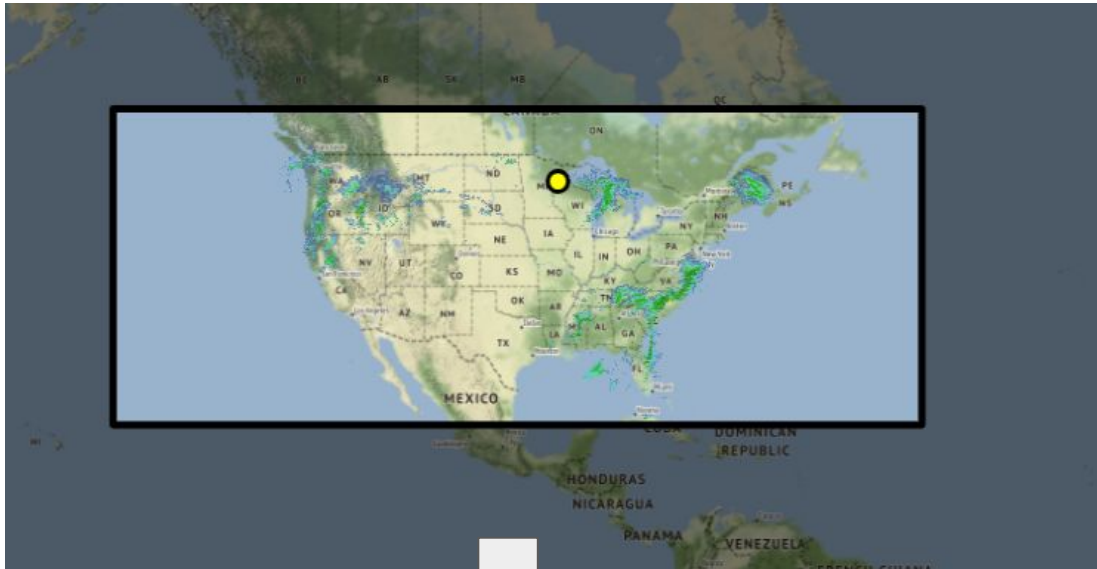
**5** (Layer Control)

**6** (Forecast Text)

Table updated: 558 pm CDT Mon. 4/8/2017 (date: 126 minutes ago)  
[Click for Fire Forecast: MNZ037](#)  
[DLH Forecast Discussion](#)  
 2 miles NNE of Hermantown, MN

Day of week:	Monday 4/8								Tuesday 4/9													
Time:	8PM	9PM	10PM	11PM	12AM	1AM	2AM	3AM	4AM	5AM	6AM	7AM	8AM	9AM	10AM	11AM	12PM	1PM	2PM	3PM	4PM	5P
Weather:	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁
Temperature:	47	46	44	42	39	37	36	35	34	32	31	31	31	32	34	36	37	38	39	40	40	41
RH (%):	75	77	76	80	80	80	82	86	86	87	87	88	84	77	69	65	59	56	52	51	51	41

**Changing the domain changes the clarity of mapped data**  
**Large Domains = Low Resolution; Small Domains = High Resolution**  
**Purposefully do this to improve low bandwidth speed/responsiveness**



1

Hazards appear below the map. Clicking on them will bring up the hazard text.

2

Tabular NWS forecast data. Clicking and dragging or swiping will slide table to the left or right.

3

Back 1 Hour | Forward 1 Hour will change NWS Forecast Graphics on the Map (see slide 5)

**High Wind Watch from 1200 pm CDT Wed. 4/10/2019 to 700 pm CDT Wed. 4/10/2019**

Table updated: 801 pm CDT Mon. 4/8/2019 (Last Update: 33 minutes ago)

[Click for Fire Forecast: KSZ062](#)

[DDC Forecast Discussion](#)

18 miles NW of Lakin, KS

<< Back 1 HOUR Forward 1 HOUR >>

Day of week:	Monday 4/8				Tuesday 4/9																				
Time:	8PM	9PM	10PM	11PM	12AM	1AM	2AM	3AM	4AM	5AM	6AM	7AM	8AM	9AM	10AM	11AM	12PM	1PM	2PM	3PM	4PM	5PM	6PM	7PM	
Weather:	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	☁	
Temperature:	70	66	63	60	57	56	54	53	51	49	48	48	52	57	64	70	76	81	84	84	84	84	88	88	
RH (%):	29	33	36	39	42	45	48	52	56	61	65	65	59	51	41	35	28	24	22	21	19	17	16	16	
Wind Speed (mph):	6	6	6	6	6	6	6	5	5	5	5	6	6	7	8	10	13	15	17	20	22	23	22	22	
Wind Gust (mph):	6	6	6	6	6	6	6	5	5	5	5	6	7	7	9	13	17	22	26	29	31	31	31	31	
Wind Direction (°):	80	120	130	140	160	160	160	170	170	170	170	170	160	180	190	190	190	190	190	190	190	190	180	170	170
Wind Direction:	←	←	←	←	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
Trans. Wind Speed (mph):	9	7	6	6	6	6	6	6	6	6	6	7	9	12	15	18	22	24	26	28	28	24	20	16	
Trans. Wind Direction (°):	0	60	90	100	110	120	110	90	80	90	110	120	130	160	170	180	190	200	200	190	190	190	170	170	
Trans. Wind Direction:	↓	←	←	←	←	←	←	←	←	←	←	←	←	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	
Prob. of Precip.:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Precip. Amount:			0.00						0.00					0.00						0.00					
Snow:			0.0						0.0					0.0						0.0					
Ice:			0.0						0.0					0.0						0.0					
Sky Cover:	15	19	14	12	10	4	4	3	3	5	4	4	5	10	14	17	20	24	24	26	9	1	0	3	
Mixing Height (x100ft):	56	25	0	0	0	0	0	0	1	0	0	1	0	0	7	25	47	67	86	97	94	69	33	3	
Vent. Rate (x1000 kt-ft):	45	15	0	0	0	0	0	0	0	0	0	0	0	0	9	40	89	142	197	232	227	144	56	5	
Haines Index:	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
Lightning (LAL):	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Visibility (mi.):	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	

1

2

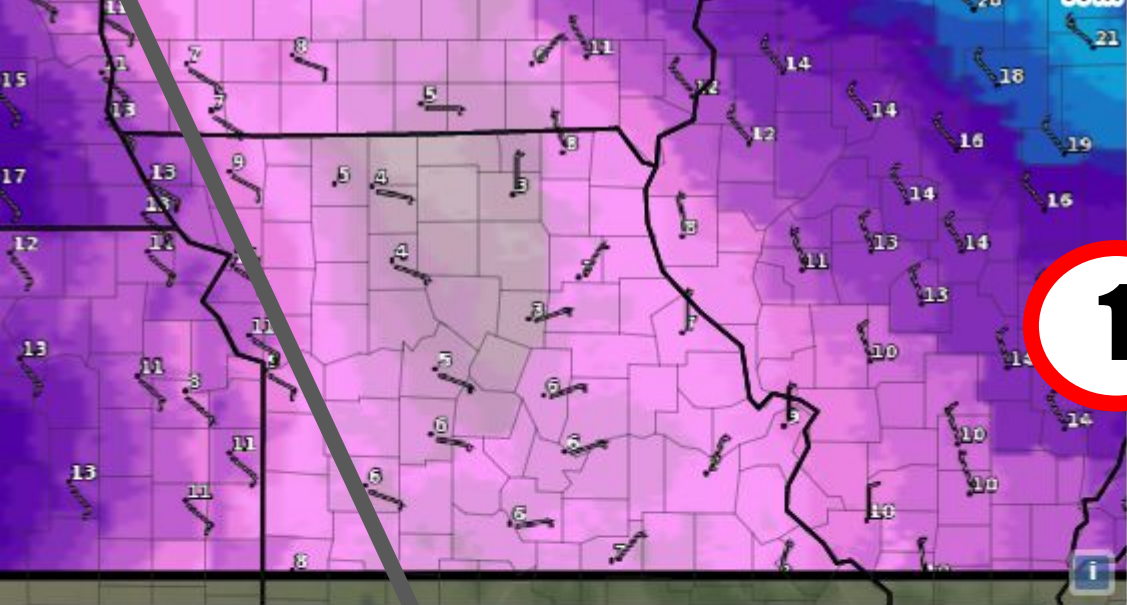
3

1

When the Forecast options are checked, clicks in the table will change the mapped data to reflect the time period chosen (black border in table)

2

Using the left and right arrow keys on the keyboard will also move forward and back in time - hour by hour.



ate: 46 minutes ago)

### Overlays

- Lightning Density
- Active Hazards
- Fire Weather Zones
- Cities / Boundaries
- Observations
- Forecast Dot
- U.S. Counties
- U.S. States
- Radar
- Forecast Point Wind Barbs
- Forecast Point Values
- Gridded Forecast

### Base map

- World Imagery
- Ocean Basemap

1

<-- Back 1 HOUR    Forward 1 HOUR -->

	8AM	9AM	10AM	11AM	12PM	1PM	2PM	3PM	4PM	5PM	6PM	7PM	8PM	9PM	10PM	11PM
13	46	50	53	56	59	60	60	60	60	59	57	55	53	49	47	45
'9	71	58	52	45	40	39	39	40	45	51	52	58	60	60		
8	9	10	12	12	13	13	15	15	14	13	10	9	9	10	10	
3	14	16	17	17	20	20	23	23	21	20	16	14	14	16	16	

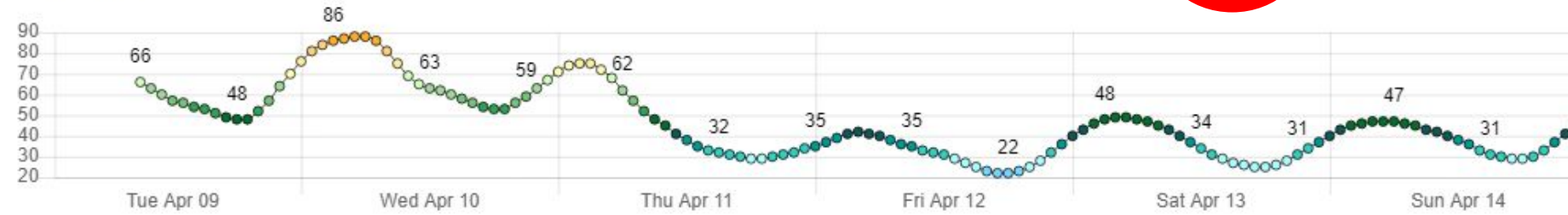
1

Option to configure which order the plots appear. This will save this setting to your browser.

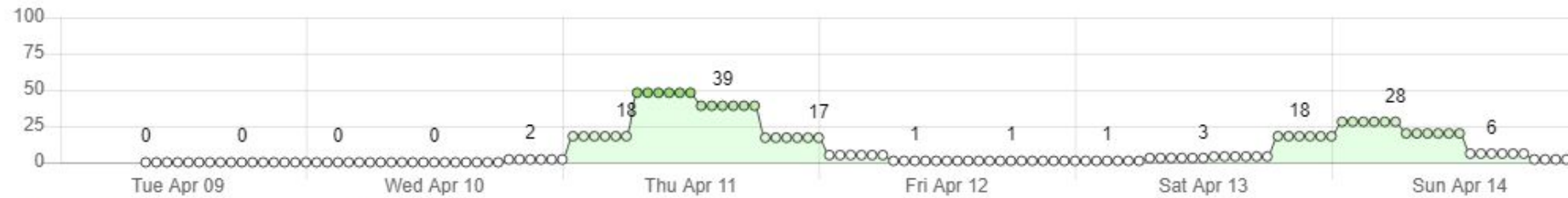
☒ Configure Plot Order

1

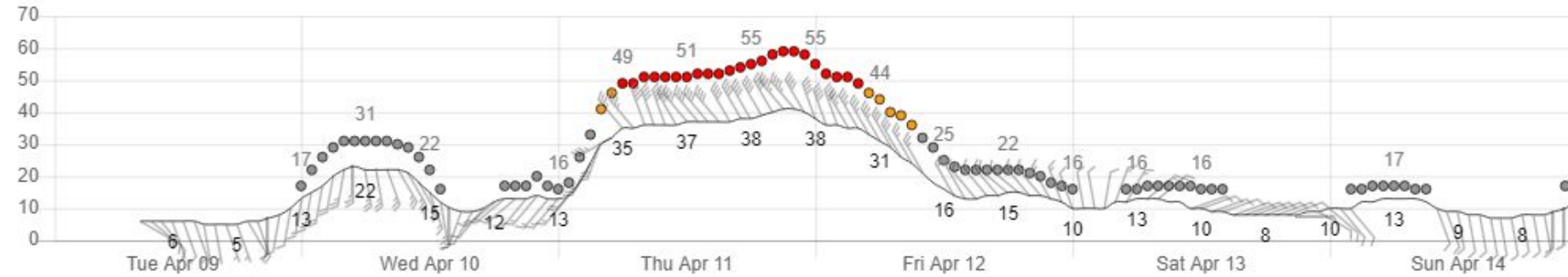
Temperature, °F



Probability of Precipitation, %



Wind Speed/Direction/Gust, mph

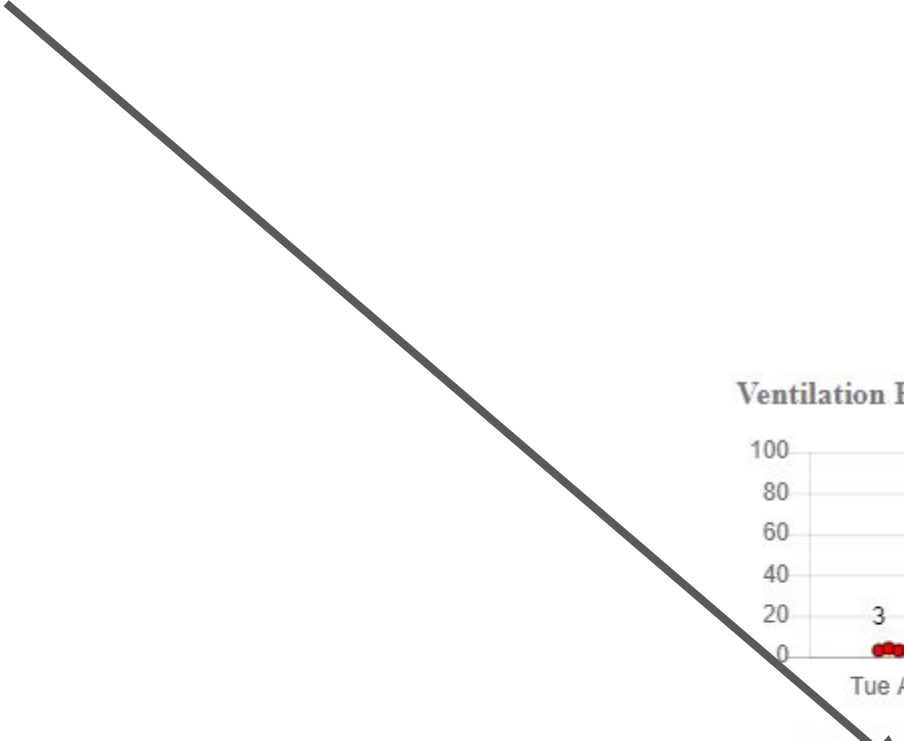


Relative Humidity, %

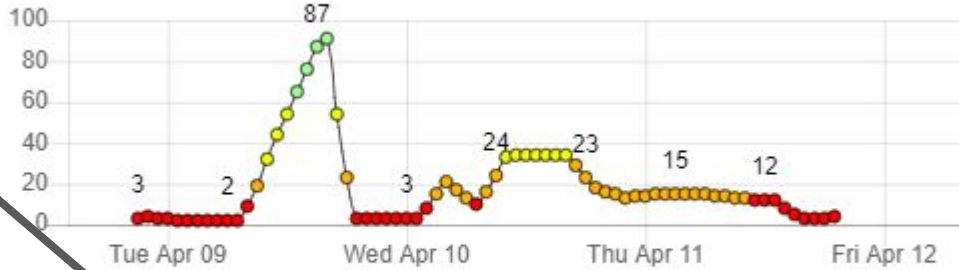


1

Ventilation Rate - Important values vary widely from region to region. Fire Poker allows you to set your thresholds and then if you bookmark the page, the bookmark will remember your thresholds. To set your threshold, click and drag the legend numbers to the left or right. The page and graphics will immediately update with your new threshold.



Ventilation Rate (x1000 kt-ft) = Transport Wind \* Mixing Height



Ventilation Rate Legend (Drag Legend Numbers to Change)

