Burn Ban Point System Process:

- 1. Last Precipitation:
 - Go to <u>https://www.weather.gov/fsd</u>.
 - Click on Climate and Past Weather
 - Go back to the Observed Weather tab, click on:



• Under the precipitation data, you will find the month to date (1a), the total precipitation for the year (1b), and the departure from normal (also 1b).

		<					
WEATHER ITEM	OBSERVED	TIME	RECORD	YEAR	NORMAL	DEPARTURE	LAST
	VALUE	(LST)	VALUE		VALUE	FROM	YEAR
						NORMAL	
PRECIPITATION	(IN)						
YESTERDAY	0.00	×	1.29	1897	N 0.0	5 -0.05	0.09
MONTH TO DAT	'E (1.09) /			0.9:	3 0.16	0.44
SINCE MAR 1	1.09				0.9	3 0.16	0.44
SINCE JAN 1	1.35	>			1.70	0 (-0.35)	1.22

1c. Then,

- Go to https://www.weather.gov/fsd.
- Click on Climate and Past Weather



1c, 2, and 3: This will bring up a chart, where you can see the last precipitation recorded at the airport (Burn Ban Criteria 1c). You can also pull the average temperature for the last 7 days (Burn Ban Criteria Step 2) and the average wind speed for the last 7 days (Burn Ban Criteria Step 3).

	TEMPE	RATUR	EI	N F:		:	PCPN:		SNOW:	WIN	1D		SUNS	SHINE	SKY	Y	:PK	WND
1	2	3	4	5	6A	6B	7	8	9	10	11 MX	12 2MTN	13	14	15	16	5 17	18
DY	MAX	MIN A	VG	DEP	HDD	CDZ	WTR	SNW	DPTH	SPD	SPD	DIR	MIN	PSBL	s-s	WX	SPD	DR
== 1 2 3 4 5 6 7 8 9 10 11	47 59 57 61 58 53 45 53 66 51 62	19 26 30 31 42 36 31 28 21 29 30	33 43 44 46 50 45 38 41 44 40 46	-8 1 2 4 7 2 -6 -3 0 -5 1	32 22 21 19 15 20 27 24 21 25 19		T 0.00 0.03 T 0.00 T 0.00 0.00 T 0.00			4.0 8.4 19.0 21.3 29.8 31.3 16.0 16.1 13.8) 10 20 38 39 45 30 45 30 29 29 29 29 29	340 340 300 160 300 320 340 330 150 140 200	M M M M M M M M M	M M M M M M M M M	5 1 4 5 7 10 9 0 5 0	1 1 1	13 27 51 50 53 60 57 42 39 35 30	10 330 300 160 310 330 330 350 160 140 210
SM	612	323			245	0	0.03	0.0) :	185.0)		М		46			
AV	55.6	29.4						MISC		16.8 ->	8 FA 45	STST 320	М	М	4		MAX (MP 60 330	H)

4. Fire Danger Map

- a. Go to the National Weather Service Page @ https://www.weather.gov/unr/rfd
 - i. Enter the correlating level of danger.



- 5. Drought Level. Go to <u>https://droughtmonitor.unl.edu/.</u>
 - b. Zoom into Davison County and enter the drought level from the Intensity table next to the map.



Map released: Thurs. April 7, 2022 Data valid: April 5, 2022 at 8 a.m. EDT

Intensity

None D0 (Abnormally Dry) D1 (Moderate Drought) D2 (Severe Drought) D3 (Extreme Drought) D4 (Exceptional Drought) No Data

- 6. Unaccounted for fires.
 - c. Request the three Fire Departments let us know when they have any fires. Only fires that could have been prevented if a ban were in place would be considered for a ban.
- 7. Surrounding Burn Bans. Used to be tracked by the NWS. Now I just contact the counties and ask.

- a. Surrounding Counties to consider: Aurora, Hanson, Miner, Hutchinson, Sanborn, Charles Mix, and Douglas.
- 8. Burn Ban Summary {Date}
 - d. Provided to Commissioners, media, PD (Dean/Casey), FD x 3 (Dan, Tiffany, Dawn, Chase (Ethan), Dave/Mike (Mt. Vernon), Sheriff's Office (Steve/Tim), Kathy, and any others. Post on website.