How to Fill Out Your Observing Form… New!

	Please write the last two digits of the year and the two digits of the month (example: 2025 = 25) and (example: April=04) Also the time that you observe each day (example: 7 am). **Note: If you report at 7am, the precipitation total is from the past 24-hours… No date shifting!** ☺	Please enter your county number (see the list below for numbers). Also enter your **township**, **range** and **section** number. These numbers can be found on county plat books.	This is the network **number**. "7" is the SWCD network.

Use your phone camera on the **QR code above to go to our website :** **https://climateapps.dnr.state.mn.us/update/**

Be sure to include your name, street address and **zip code.**

WR-00906-02
Rev. 3/01

MINNESOTA CLIMATOLOGICAL NETWORK

0 1	0 4	0 7 am pm	2 4	1 0 2	2 2	1 6	7
Year	Month	Ob Time	County	Township	Range	Section	

Name **Jim Johnson**   County Name **Freeborn**   Township Name **Pickerel Lake**

Address **1100 35th Street Albert Lea, Minnesota 56007**   Telephone No. **(507) 373-0001**

24-HOUR AMOUNTS			REMARKS: Give times and comments about events. (Temperature and Phenology items are very useful).	Gauge type (Check One):		catch opening diameter/size (inches) _4_
Rain, Melted Snow Etc. (Ins. & Hdths)	Snow (Ins. & Tenths)	Snow On Ground (Inches)		cylinder **X** Tipping bucket		maximum catch depth (inches) _11_
				test tube weighing		board/ruler/post used for snow _X_ yes ___ no
				wedge Other		

Please **print** the name of your Township

Please enter your phone number

Thank you for being a rain gage reader!

For information on how to fill out rain and snow, please see "How to Record Rain and Snow" below.

Please enter your gauge type, other information about your rain gauge, and if you have a snowboard.

and email.

How to Record and Report Rain and Snow

SUMMER:
Left Column - Rain Gauge: Rainfall measurements should be entered to the nearest hundredth of an inch. (Example: .07 or 1.32.) in the left column only. Record the rainfall for the day on which the observation was made. Any rainfall after the observation time (which should be the same time every day) will be measured on the next day. Enter T or trace for amounts less than .01 (one hundredth) of an inch. If no rain has fallen enter zero (0).

WINTER:
Left Column - Melted Snow - Outer Tube: During the winter, use only the outer tube of the gauge to collect snow. At observation time melt the collected snow and measure the water obtained to the nearest hundredth of an inch (Example: .14) using the graduated center tube. Enter the measurement in the left column.

Middle Column – Snowfall - Yardstick: Measure new snowfall (fallen during the last 24 hours) to the nearest tenth of an inch (Example 2.4 or .5) using a yardstick. Select a previously bare area, such as a driveway and take the average of several measurements. A snowboard may be useful. Record this amount in the center column only.

Right Column – Depth of Snow on Ground - Yardstick: Measure the depth of snow on the ground to the nearest inch using a yardstick. Repeat this measurement at several spots where there was no drifting and take the average of the readings of the snow depth. Record this amount in the right column only.

COUNTY NUMBERS
1 AITKIN
2 ANOKA
3 BECKER
4 BELTRAMI
5 BENTON
6 BIG STONE
7 BLUE EARTH
8 BROWN
9 CARLTON
10 CARVER
11 CASS
12 CHIPPEWA
13 CHISAGO
14 CLAY
15 CLEARWATER
16 COOK
17 COTTONWOOD
18 CROW WING
19 DAKOTA
20 DODGE
21 DOUGLAS
22 FARIBAULT
23 FILLMORE
24 FREEBORN
25 GOODHUE
26 GRANT
27 HENNEPIN
28 HOUSTON
29 HUBBARD
30 ISANTI
31 ITASCA
32 JACKSON
33 KANABEC
34 KANDIYOHI
35 KITTSON
36 KOOCHICHING
37 LAC QUI PARLE
38 LAKE
39 LAKE OF THE WOODS
40 LE SUEUR
41 LINCOLN
42 LYON
43 MCLEOD

44 MAHNOMEN
45 MARSHALL
46 MARTIN
47 MEEKER
48 MILLE LACS
49 MORRISON
50 MOWER
51 MURRAY
52 NICOLLET
53 NOBLES
54 NORMAN
55 OLMSTED
56 OTTER TAIL
57 PENNINGTON
58 PINE
59 PIPESTONE
60 POLK
61 POPE
62 RAMSEY
63 RED LAKE
64 REDWOOD
65 RENVILLE
66 RICE
67 ROCK
68 ROSEAU
69 SAINT LOUIS
70 SCOTT
71 SHERBURN
72 SIBLEY
73 STEARNS
74 STEELE
75 STEVENS
76 SWIFT
77 TODD
78 TRAVERSE
79 WABASHA
80 WADENA
81 WASECA
82 WASHINGTON
83 WATONWAN
84 WILKIN
85 WINONA
86 WRIGHT
87 YELLOW MEDICINE

Observing Notes

MINNESOTA CLIMATOLOGICAL NETWORK

0	1	0	4	0 7 am/pm	2 4	1 0 2	2 2	1 6	7
Year			Month	Ob Time	County	Township	Range	Section	

Name	Jim Johnson	County Name	Freeborn	Township Name	Pickerel Lake

Address	1100 35th Street Albert Lea, Minnesota 56007	Telephone No. (507) 373-0001

Gauge type (Check One): cylinder X, Tipping bucket, test tube, weighing, wedge, Other

catch opening diameter/size (inches) __4__
maximum catch depth (inches) __11__
board/ruler/post used for snow __X__ yes ___ no

Rain, Melted Snow, Etc. (Ins. & Hdths)	Snow (Ins. & Tenths)	Snow On Ground (Inches)	Day	REMARKS: Give times and comments about events. (Temperature and Phenology items are very useful).
X			01	
X			02	
X			03	
X			04	
start	in	spring	05	Put gauge out for the season
0		0	06	Snow began @ 2PM ended 10PM. New snow measured on ground @10PM
.43	4.1	3	07	
0		1	08	Sunny and breezy snow melting rapidly.
0		0	09	
			10	
			11	
↓			12	
1.41			13	Gone on vacation on the 10th- 12th. 1.41 measured in gauge this morning.
0			14	
0			15	15th Wind and rain from NW. Began 7PM end 8:35 PM. Corn crib, barn,
.34			16	and many trees blown down. Tornado touched down one mile to the north.
0			17	
0			18	
0			19	19th Ice storm began at 4PM rain and sleet. Ended 11PM. 1/2 inch
.63	.5	.5	20	coating of ice on trees and cars. 1/2 inch of sleet on ground by dark.
0		0	21	
0			22	Light rain in afternoon. Saw first red wing blackbird.
.21			23	
0			24	
0			25	
0			26	
0			27	
0			28	
0			29	Dense fog in the morning. Visibility near zero. Some drizzle, not measurable.
T			30	
0			31	
X			TOTALS	

State Climatology Office, 439 Borlaug Hall, University of Minnesota, 1991 Upper Buford Circle, St. Paul, MN 55108-6028

Please include all rain (or liquid equivalent of snow) in the left hand column. Snowfall is in the middle column. Snow depth is in the right column.

"X" means no reading. The gauge was not out on these days.

Cumulative Total: Means gauge was in place from 10th to the 13th but was not read till the 13th. (This reading is the total from the 10th –13th.)

Note! Even though it rained in the afternoon and evening of the 19th, the total is reported on the 20th.

For no precipitation use a '0' for zero.

A "T" for a Trace of precipitation.

Place an "X" in the last box if there is an X for any of the days that month.

Please check your address for the State Climatology Office.

**State Climatology Office
439 Borlaug Hall
1991 Upper Buford Circle
St. Paul, MN 55108-6028**

Draw an "X" on each day for which the gauge was not in use for whatever reason was not collecting precipitation. Note the days on which you put out or took in your gauge.

Draw a vertical line through days on which you did not observe but the gauge was collecting. (If you know the days were dry but simply did not check your gauge, use zeros instead.)

On days with zero precipitation, a simple '0' is preferred over a blank or '0.00'.

The State Climatology Office data will interpret blanks as zeroes unless they have strong reasons to suspect that something else is happening. The vertical line through days with no observations is particularly important!

For **snowfall** observations, take care to write your values in the **middle column** labeled 'SNOW (Ins.& Tenths)'. The first column, labeled 'RAIN, MELTED SNOW, ETC (INS.&HDTHS)' is reserved for liquid precipitation or the **water equivalent** of snowfall; in other words, **the amount of water** in the snowfall. Finally, 'SNOW ON GROUND (INCHES)' is for measurements of the **accumulated snow pack** or **snow lying** as affected by the total fall and the settling of snow to date.