



The Ozark Ambassador

National Weather Service Springfield, Missouri

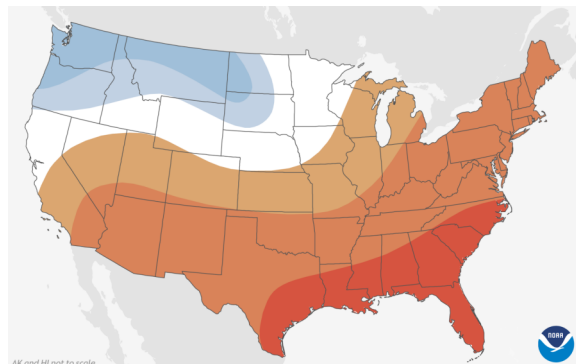


Preparing For Winter

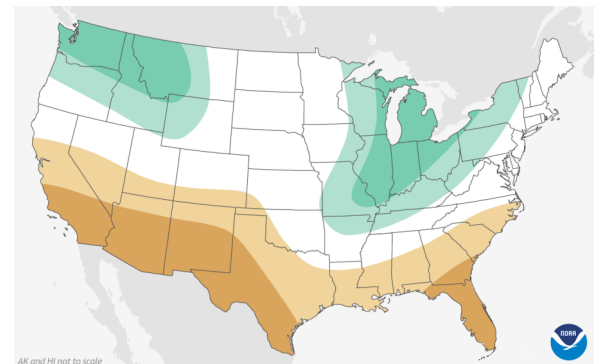
Inside this Issue:

Winter 2021-2022 Outlook

Preparing for Winter	1
Winter Weather Products and Science	2
Measuring Snow and Ice	3
Winter Weather Preparedness	4
Sending Reports	5
Building a Weather-Ready Nation	6



Probability (percent chance)
cooler than normal equal chances warmer than normal
80 70 60 50 40 33 33 40 50 60 70 80



Probability (percent chance)
drier than normal equal chances wetter than normal
80 70 60 50 40 33 33 40 50 60 70 80

The Winter 2021-2022 Outlook slightly favors above normal temperatures and above normal precipitation for the region. For more information visit: [Winter 2021-2022 Climate Outlook](#).

Ozark Ambassador Team

Kelsey Angle

Meteorologist in Charge

Steve Runnels

*Warning Coordination
Meteorologist*

Jason Schaumann

*Science and Operations
Officer*

Kyle Perez

*Weather-Ready Nation
Ambassador Leader
Newsletter Editor*

Winter Weather Websites

[Probabilistic Forecasts](#)

[DSS Packet](#)

[Weather Story](#)

[Weather Prediction Center](#)

[Climate Prediction Center](#)

[Storm Prediction Center](#)

Missouri Winter Weather Awareness Week

November 15 – 19, 2021




Join us and our partners the week of November 15-19, 2021 for Winter Weather Awareness Week in the state of Missouri. Winter storms and cold temperatures can be extremely dangerous. We urge people to use this week to review the Winter hazards and safety so they are prepared for the upcoming Winter season. Additional safety information can be found on [NWS Springfield Winter Weather Awareness Webpage](#) and [SEMA Webpage](#).

Winter Products and Science

NWS Winter Weather Products

Winter Storm Watch	Winter Weather Advisory	Winter Storm Warning	Ice Storm Warning	Blizzard Warning
<p>Conditions are favorable for a winter storm event within the next 24 to 72 hours.</p> <p>Travel difficulties are possible.</p>	<p>Potentially dangerous winter weather is expected within the next 12 to 36 hours or is occurring.</p> <p>Travel difficulties are expected.</p>	<p>Dangerous winter weather is expected within the next 12 to 36 hours or is already occurring.</p> <p>Considerable travel problems are expected.</p>	<p>Significant ice accumulations are expected within the next 12 to 36 hours or are already occurring.</p> <p>Do Not Travel</p>	<p>Blizzard conditions are expected within the next 12 to 36 hours or are already occurring — including white out conditions.</p> <p>Do Not Travel</p>
Be Ready	Stay Aware	Take Action	Take Action	Take Action

NATIONAL WEATHER SERVICE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NWS Springfield, MD

Understanding Winter Precipitation

Winter Precipitation

SNOW
Snowflakes never melt.

SLEET
Droplets freeze and form ice before reaching the surface.

FREEZING RAIN
Rain freezes on contact with the surface.

RAIN
Rain never refreezes.

■ At or Below 32°F ■ Above 32°F

weather.gov |

Measuring Snow and Ice

Measuring Snow

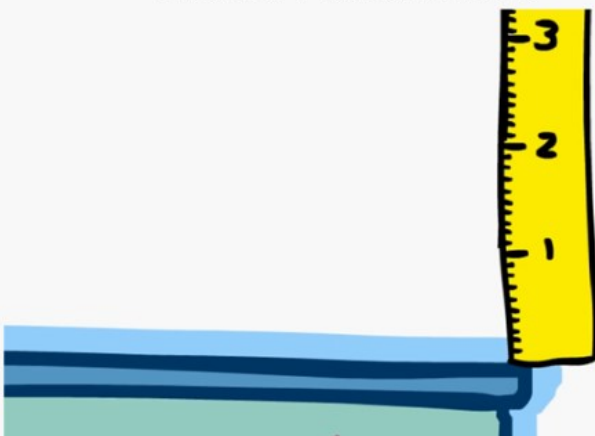
Six Basic Steps for Properly MEASURING SNOW

Accurate and timely snowfall measurements are extremely important to your National Weather Service office, your community, local media, and many others. Here are the six steps you need to know for measuring snow:

- 1 Supplies**
Ruler or yard stick
24" X 24" white board, flag
- 2 Planning**
Find an open area away from tall objects, but sheltered from wind
- 3 Set-up**
Set up before snow begins
Put your board out and mark it with the flag
- 4 Measuring Snow**
Record your total to the nearest tenth of an inch
Wipe the board off after measuring
Measure once daily at the same time, after measuring place the board on top of snow
- 5 When Snow Stops**
Measure as soon as the snow stops to avoid lower totals due to melting, settling and drifting
- 6 Reporting**
weather.gov social media
SEND us your report!

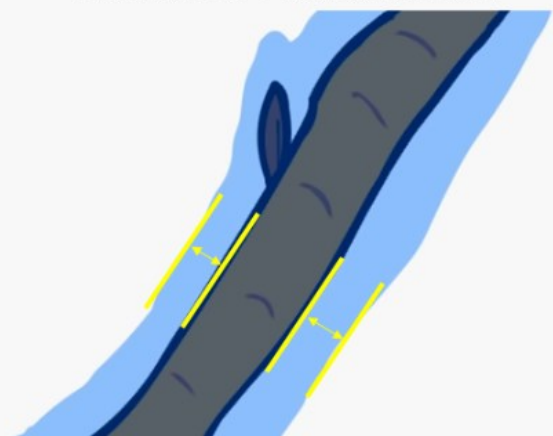
Measuring Ice

Flat Ice Measurement



Find a flat surface that has been undisturbed from the surrounding environment or other objects. Measure ice accumulation with a ruler.

Radial Ice Measurement



Break off a small twig or branch from a tree in which ice has accumulated. Measure the thickness of ice on each side of the branch with a ruler. Then average the two measurements to get the total ice accumulation.

All measurements should be rounded to the nearest 0.1".
Any measurements below 0.1" are reported as a trace.

Winter Weather Preparedness

Dressing for Cold Weather

DRESSING FOR COLD WEATHER

Adding layers will help keep you warm as the temperature drops

CHILLY

- 1-2 layers
- long layer
- outer layer to keep out wind, rain
- warm shoes water proof

weather.gov/cold

COLD

- 2-3 layers
- gloves
- warm hat
- outer layer to keep out wind, wet snow
- boots water proof
- 1-2 layers

EXTREME COLD

- 3+ layers 1 insulating
- gloves
- warm hat
- face mask
- outer layer to keep out wind
- boots water proof
- 2+ layers

Home Winter Preparedness Checklist

- | | | |
|---|---|---|
| <input type="checkbox"/> Select Foods
See Additional Checklist | <input type="checkbox"/> Warm Clothing
Hats, Mittens, Parkas, Boots | <input type="checkbox"/> Flashlights
& Extra Batteries |
| <input type="checkbox"/> Disposable Dishware
Plates, Bowls, Utensils | <input type="checkbox"/> Extra Blankets | <input type="checkbox"/> First Aid Kit |
| <input type="checkbox"/> Specialty Items
Meds, Infant Formula, etc. | <input type="checkbox"/> Matches
For Candles & Gas Fireplaces | <input type="checkbox"/> Cell Phone
Fully Charged |
| <input type="checkbox"/> Portable Radio
AM/FM/Wx Radio & Batteries | <input type="checkbox"/> Shovel/Snow Blower
Check condition & maintain | <input type="checkbox"/> Firewood
For Wood Fireplaces |

Vehicle Winter Preparedness Checklist

- | | | |
|--|--|---|
| <input type="checkbox"/> Flashlight
& Extra Batteries | <input type="checkbox"/> Blankets/Sleeping Bag | <input type="checkbox"/> Extra Clothing
Hats, Mittens, Parkas, Boots |
| <input type="checkbox"/> First Aid Kit | <input type="checkbox"/> Non-Perishable Food
Granola Bars, Dried nuts, etc. | <input type="checkbox"/> Sand/Kitty Litter
Used for Traction |
| <input type="checkbox"/> Snow Shovel | <input type="checkbox"/> Bottled Water | <input type="checkbox"/> Cell Phone
& Charger |
| <input type="checkbox"/> Ice Scraper
with Brush | <input type="checkbox"/> Booster Cables | <input type="checkbox"/> Flares/Triangles
& other Bright Objects |

Sending Winter Weather Reports

Ways to Send Reports

Send Report to NWS

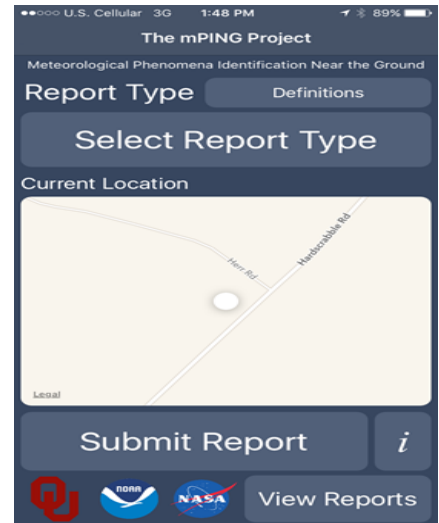
-  Call 417-863-8028
-  contact.sgf@noaa.gov
-  @NWSSpringfield
-  @NWSSpringfield

[iNWS Storm Reports](#)



The screenshot shows the NOAA Storm Reports app interface. At the top is the NOAA logo and the text "Storm Reports Alerting the NWS to local weather". Below this is a navigation path: "Report Type -> Details -> Location -> Review and Send". A dropdown menu is open with the text "Please select a report type". Below the dropdown are "Back" and "Next" buttons. At the bottom, there is a link for "Privacy policy for weather reports".

[mPING App](#)

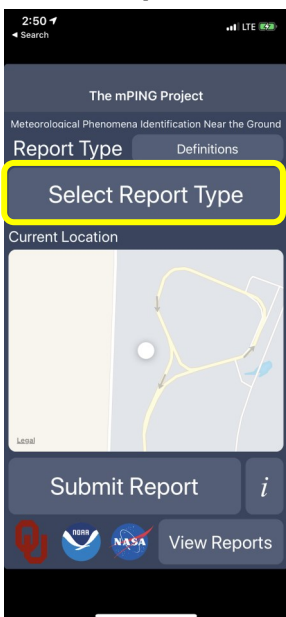


The screenshot shows the mPING app interface. At the top, it says "The mPING Project" and "Meteorological Phenomena Identification Near the Ground". There are tabs for "Report Type" and "Definitions". A large button says "Select Report Type". Below that is a map section titled "Current Location" showing a map with a location pin. At the bottom, there is a "Submit Report" button and a "View Reports" button. Logos for NOAA and NASA are visible at the bottom.

[Join CoCoRaHS Volunteer Program](#)

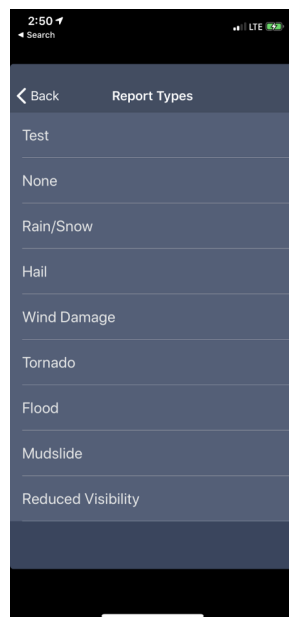
Sending Reports through mPING

Step 1:



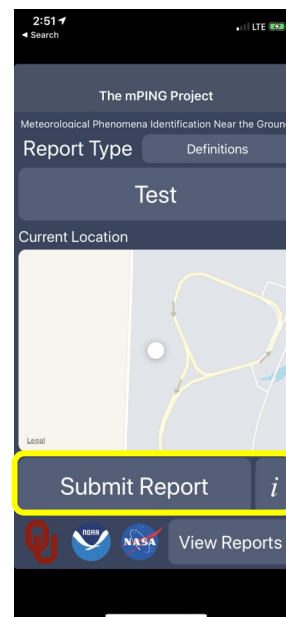
The screenshot shows the mPING app home screen. The "Select Report Type" button is highlighted with a yellow box. The screen also shows the "Current Location" map and "Submit Report" and "View Reports" buttons.

Step 2:



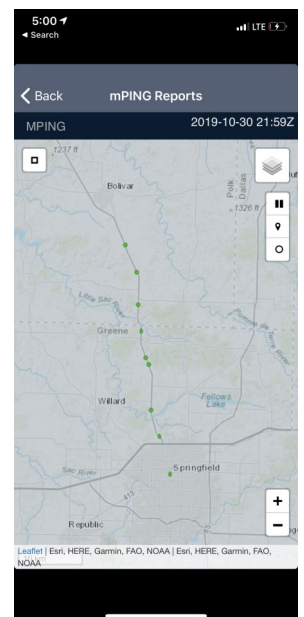
The screenshot shows the "Report Types" menu in the mPING app. A list of report types is displayed: Test, None, Rain/Snow, Hail, Wind Damage, Tornado, Flood, Mudslide, and Reduced Visibility. A yellow arrow points from Step 1 to this screen.

Step 3:



The screenshot shows the mPING app home screen again, but now the "Submit Report" button is highlighted with a yellow box. A yellow arrow points from Step 2 to this screen.

Step 4:



The screenshot shows the "mPING Reports" screen in the app. It displays a map with a green line indicating the report path. The report details include "MPING" and the date "2019-10-30 21:59Z". A yellow arrow points from Step 3 to this screen.

Building a Weather-Ready Nation

Weather-Ready Nation Ambassadors

BUILDING A WEATHER-READY NATION



2021 WRN Ambassador of Excellence Award



“Southwest Missouri SKYWARN has **exemplified itself as a leader** in the Weather-Ready Nation Ambassador community. In particular, Southwest Missouri SKYWARN has been a **leading example of preparedness** on social media platforms over the last several years. This effort includes **engaging and educating** other amateur radio groups, NWS partners, and the public by sharing NWS safety messages. Southwest Missouri SKYWARN has shown their leadership in routinely **collaborating with NWS personnel** during virtual training webinars conducted by NWS Springfield during the COVID era. Southwest Missouri SKYWARN is a valuable partner in building a Weather-Ready Nation and **serves as an example for future ambassadors.**”

[Click here to Learn More about Becoming an Ambassador](#)

Follow NWS Springfield

