

# Summer Weather Safety

Know Your Risk

Take Action

Be a Force of Nature



# Summer Weather Safety

## Summer Weather Hazards

- Tornadoes, Thunderstorms, and Lightning
- Flooding
- Heat
- Hurricanes
- Rip Currents
- Wildfire and Air Quality
- Drought



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[weather.gov/safety](https://weather.gov/safety)

# Summer Weather Safety

## Severe Weather

- Thunderstorms can produce tornadoes, strong wind, large hail, and lightning
- Practice a severe weather plan for home and work
- Make a communications plan so you can contact loved ones



# Summer Weather Safety

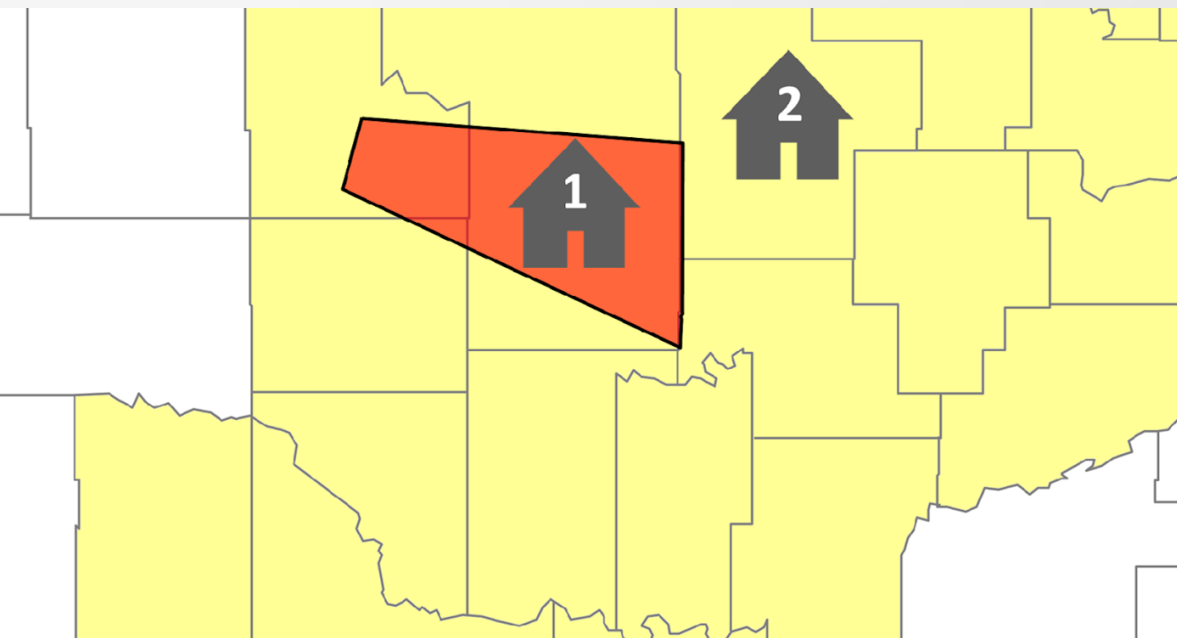
## Tornadoes

- Winds from tornadoes can exceed 200 mph
- Flying debris is most dangerous
- Seek a sturdy shelter in an interior room away from windows on the lowest floor and cover your head



# Summer Weather Safety

## NWS Tornado Products

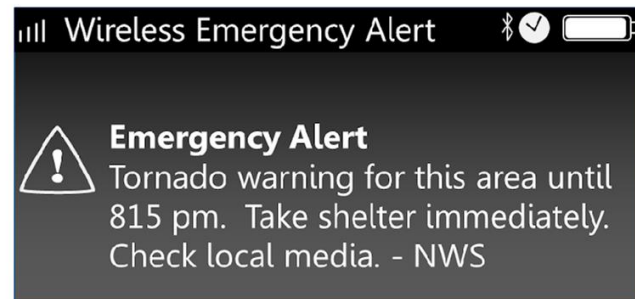


### Tornado Warning

Tornado expected! Seek shelter.  
A tornado is occurring or will shortly at this location on the map.

### Tornado Watch

Tornado possible. Be prepared.  
Weather conditions favor thunderstorms capable of producing tornadoes at this location on the map.

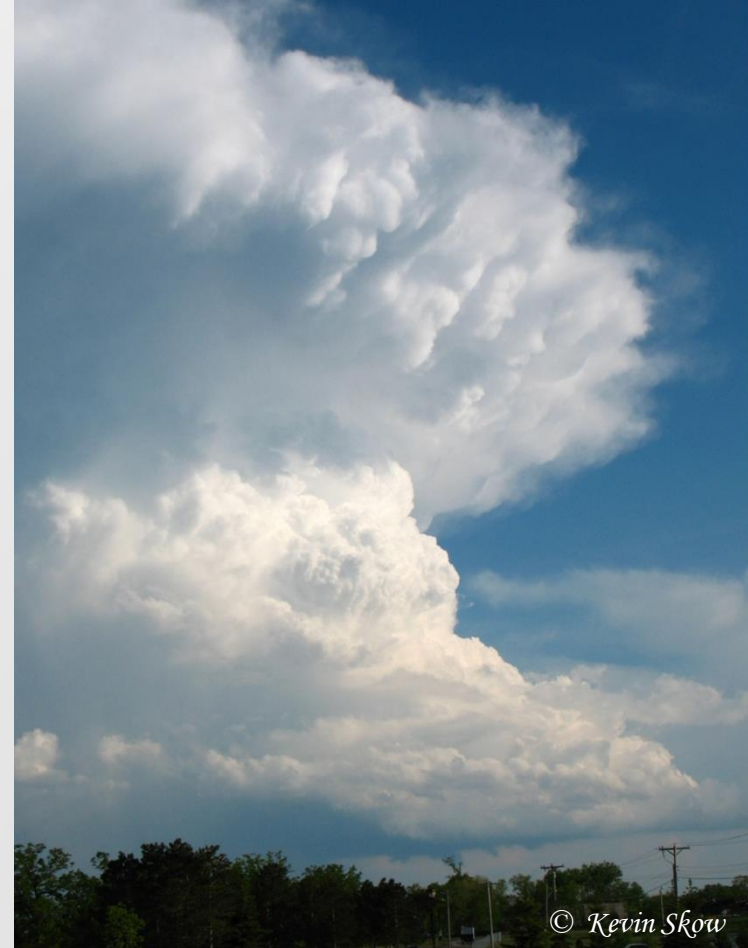




# Summer Weather Safety

## Thunderstorms

- Severe thunderstorms produce strong wind and/or large hail
- Take shelter in a sturdy structure away from windows
- A vehicle is also a safe location when there is no other nearby shelter



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# Summer Weather Safety

## Thunderstorms

- Conditions can change rapidly with thunderstorms nearby or overhead
- Don't second-guess how a thunderstorm will evolve
- Take shelter before the storm and remain there through an all-clear signal from the NWS



# Summer Weather Safety

## Thunderstorms

- Strong wind gusts from thunderstorms can create dust storms
- Dust storms can reduce visibility and make travel difficult
- If travelling, prepare to reduce speed and pull over to the side of the road

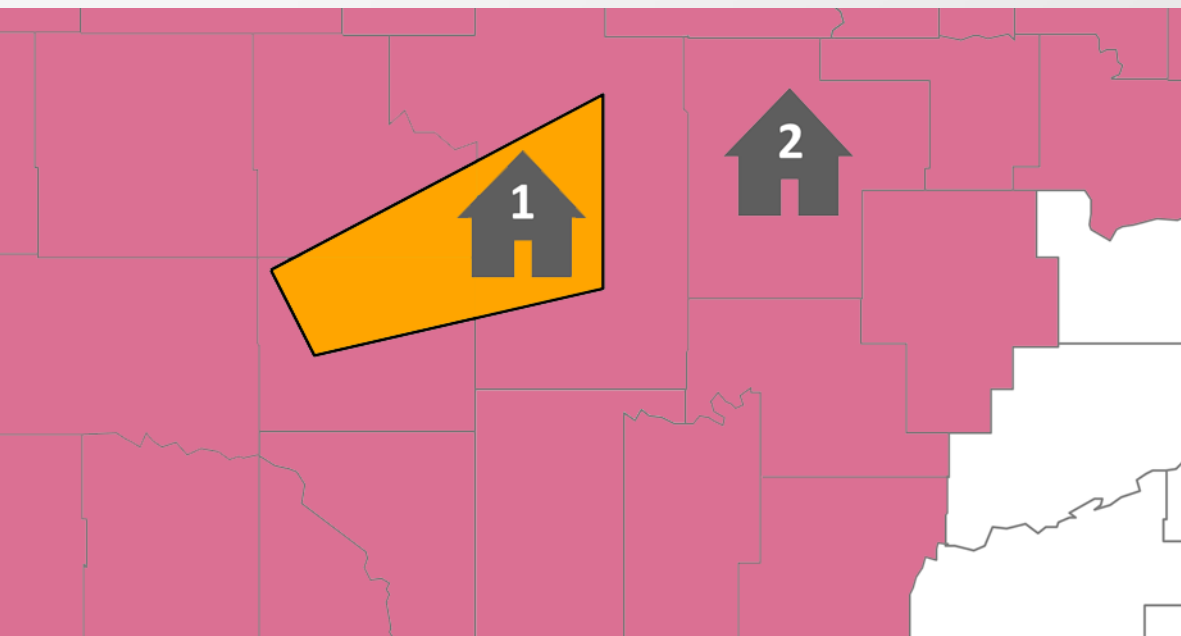


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# Summer Weather Safety

## NWS Severe Thunderstorm Products



### Severe Thunderstorm Warning

Severe storms expected! Seek shelter.  
Large hail or damaging wind is occurring  
or will shortly at this location on the map.

### Severe Thunderstorm Watch

Severe storms possible. Be prepared.  
Weather conditions favor thunderstorms  
capable of producing large hail or  
damaging wind at this location on the map.

# Summer Weather Safety

## Lightning

- Thunderstorms produce lightning
- Lightning kills an average of 30 people every year
- Take shelter inside a sturdy structure
- A vehicle is also a safe location



[weather.gov/safety](https://www.weather.gov/safety)

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## Hurricanes

- Tropical storms and hurricanes can produce deadly flooding
- Storm surge is ocean water that is brought inland and floods areas along the coast
- Heavy rain can cause flooding hundreds of miles inland



# Summer Weather Safety

## Hurricanes

- Prepare your home by protecting it from flying debris
- Board up windows with plywood or approved shutters
- Bring in loose items from outside such as lawn furniture
- Secure your boat if you have one



[weather.gov/safety](https://weather.gov/safety)

# Summer Weather Safety

## Hurricanes

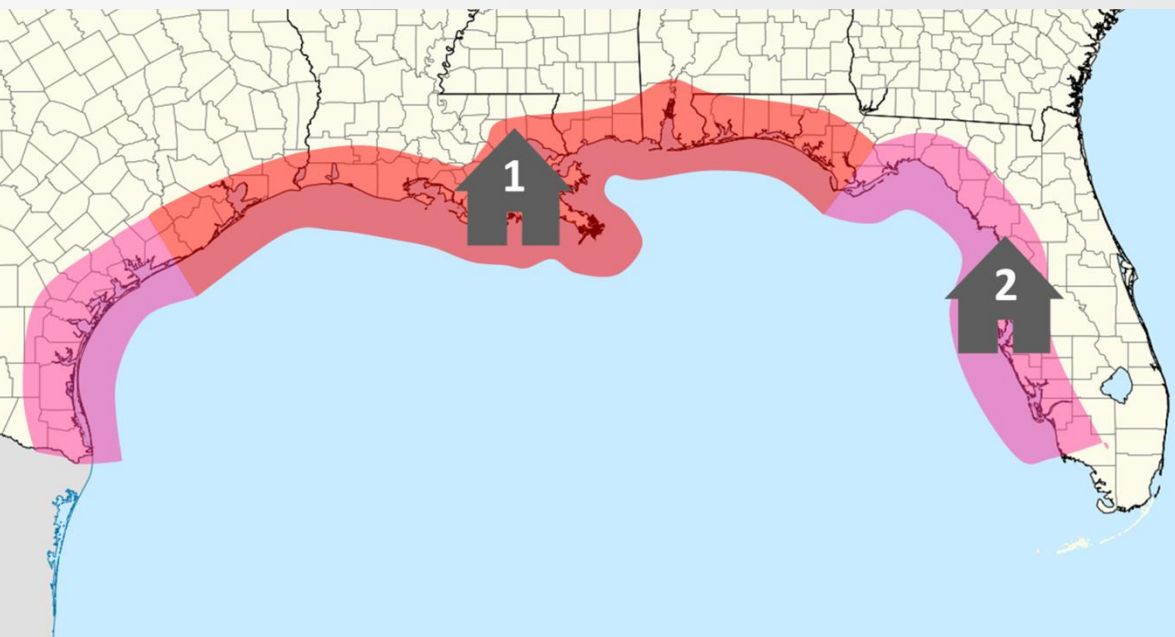
- Hurricanes can strengthen quickly
- Listen to local authorities and follow evacuation orders
- Drive carefully and contact your loved ones once you've reached your safe location





# Summer Weather Safety

## NWS Hurricane Products



### Hurricane Warning

Hurricane expected! Seek shelter.  
Hurricane force winds are expected in your area. Seek shelter in a sturdy structure or evacuate if needed.

### Hurricane Watch

Hurricane possible. Be prepared.  
Hurricane force winds are possible in your area. Prepare your home by boarding up windows and moving loose items indoors. Have an emergency supply kit ready.



[weather.gov/safety](https://weather.gov/safety)

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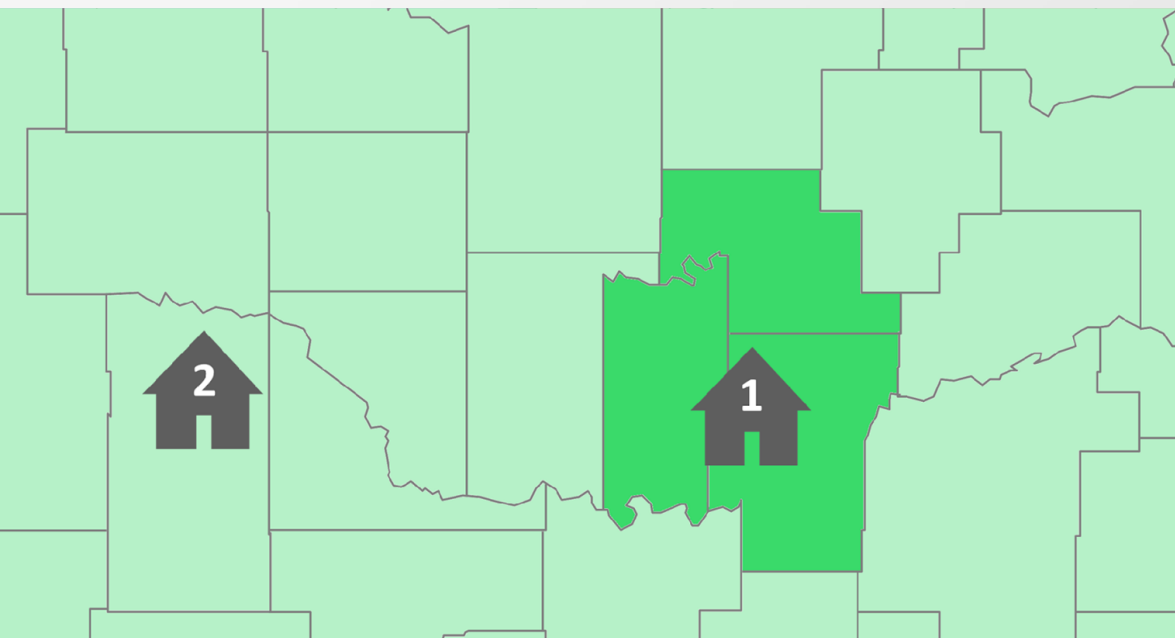
## Flooding

- Flooding is often caused by heavy rain in the summer
- More than half of all flood fatalities are vehicle-related
- Never drive through flood waters



# Summer Weather Safety

## NWS Flood Products



### Flood Warning

Flooding expected! Take Action.  
Confidence is high that flooding which poses a significant threat to life and property is occurring or will shortly. Seek higher ground if you are in a flood-prone area. Never drive through flood waters!

### Flood Watch

Flooding possible. Be Prepared.  
Confidence is medium that flooding may develop. Find out if you are in a flood-prone area. Check the forecast and be ready to take action if a flood warning is issued.

# Summer Weather Safety

## Heavy Rain

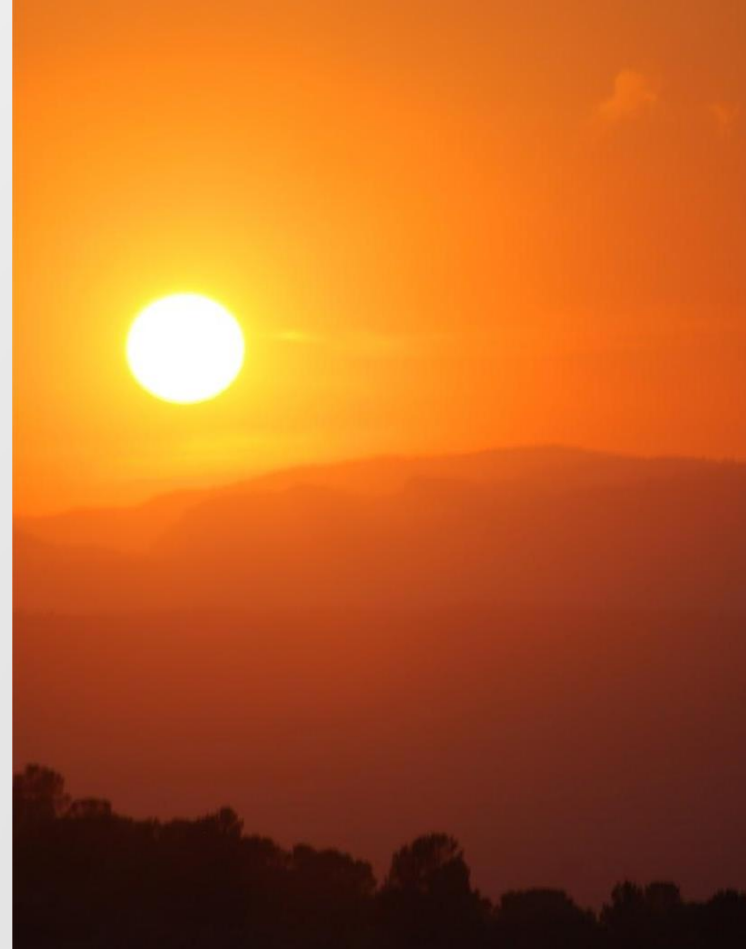
- Heavy rain on saturated soil can lead to flooding
- More than half of all flood fatalities are vehicle-related
- Obey road signs and never drive through flood waters



# Summer Weather Safety

## Extreme Heat

- Heat and humidity take a toll on the body
- Know the signs of heat illness
- Reschedule outdoor work and strenuous activities until the coolest time of the day
- Stay hydrated by drinking plenty of water





# Summer Weather Safety

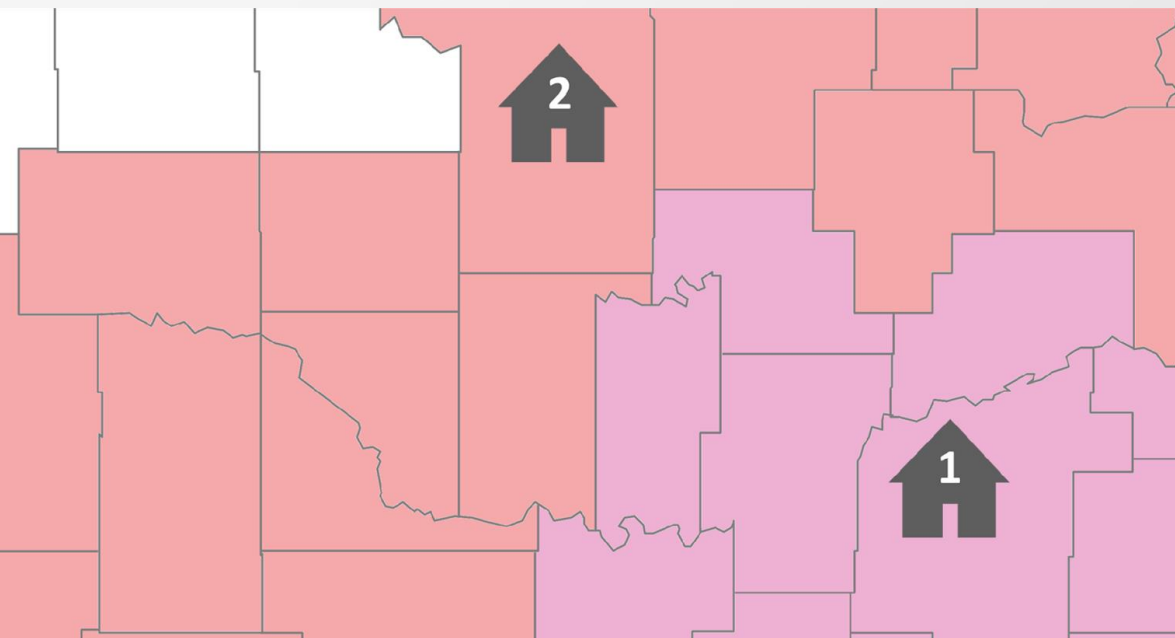
## Extreme Heat

- Sunburn and heat illness can be avoided
- Apply and reapply sunscreen to protect your skin from sunburn
- Stay hydrated by drinking plenty of water



# Summer Weather Safety

## NWS Heat Products



### Excessive Heat Warning

Excessive Heat Expected! Take Action. Confidence is high that extremely hot weather will cause significant stress on the people and animals unless precautionary measures are taken. Avoid direct sunlight, drink plenty of fluids, and find a cool indoor place is possible.

### Excessive Heat Watch

Excessive Heat Possible. Be Prepared. Confidence is medium that extremely hot weather will develop across the region. Have a plan in place to avoid strenuous activity during the warmest parts of the day. Make sure children, elderly, and pets are taken care of in case extreme heat develops.

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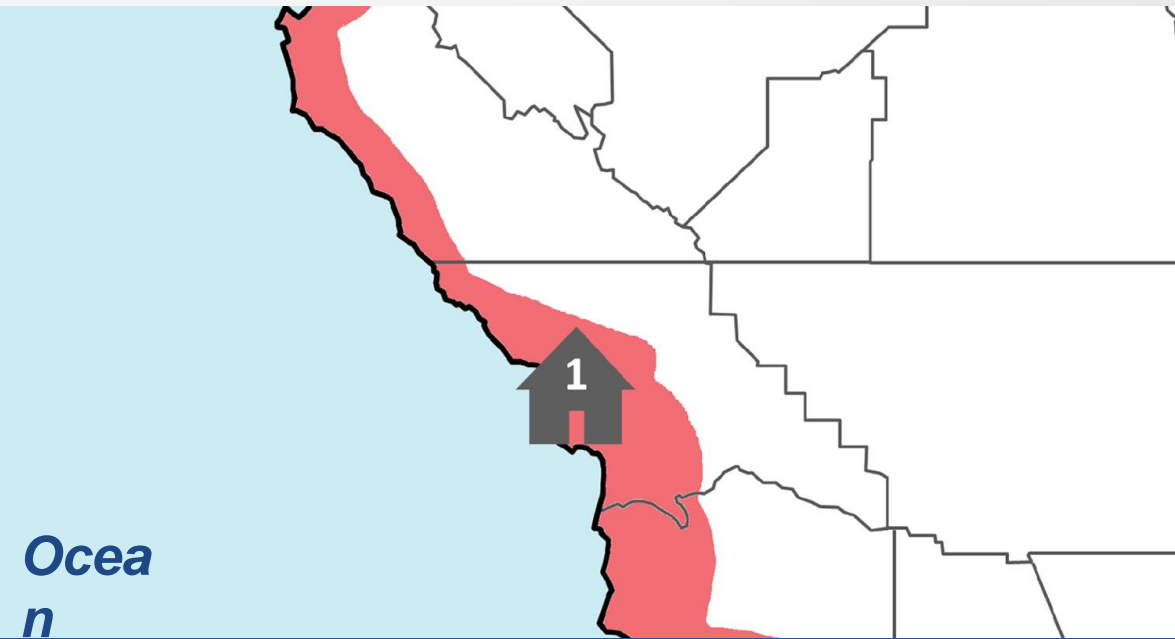
## Tsunamis

- A tsunami is one of the most powerful and destructive forces of nature
- Know nature's warnings: strong or long quake, sudden ocean rise or fall, ocean roar
- Respond to warnings: move to high ground or inland



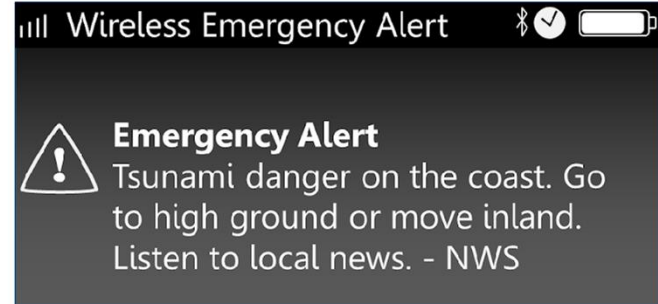
# Summer Weather Safety

## NWS Tsunami Products



### Tsunami Warning

A Tsunami is expected! Take Action!  
Danger! A tsunami that may cause widespread flooding is expected or occurring. Dangerous coastal flooding and powerful currents are possible and may continue for several hours or days after initial arrival. Move to high ground or inland immediately!



[weather.gov/safety](https://weather.gov/safety)

# Summer Weather Safety

## Rip Currents

- Millions of people will travel to the beach this summer
- Learn about rip currents before heading to the beach
- Plan for your trip by checking the forecast at [weather.gov](https://weather.gov)

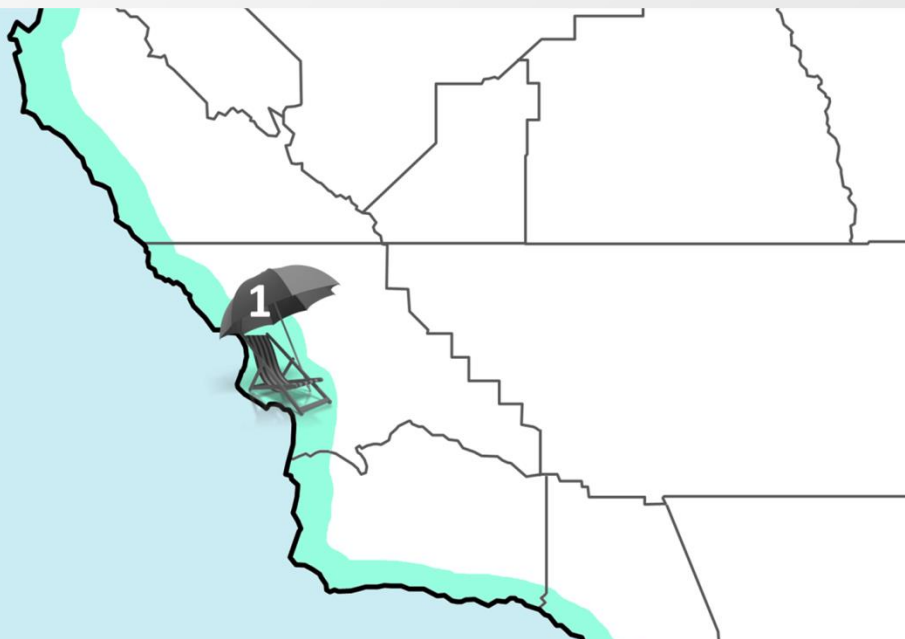


[weather.gov/safety](https://weather.gov/safety)



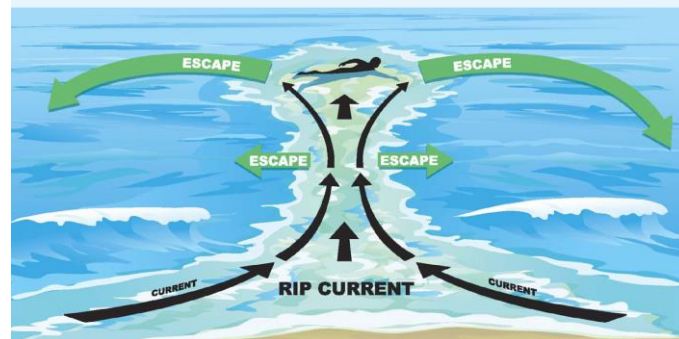
# Summer Weather Safety

## NWS Rip Current Products



## **RIP CURRENTS**

### **Break the Grip of the Rip!**



### Rip Current Statement

Rip Currents are Expected! Use Caution. Conditions are favorable for rip currents along the beach. If you are caught in a rip current, escape by swimming in a direction following the shoreline until you are out of the rip current.

[weather.gov/safety](https://weather.gov/safety)

# Summer Weather Safety

## Wildfire

- Wildfires are most often started by lightning or humans
- Stay with your fire when camping
- Fully extinguish your fire when finished
- Never burn on dry windy days



# Summer Weather Safety

## Wildfire

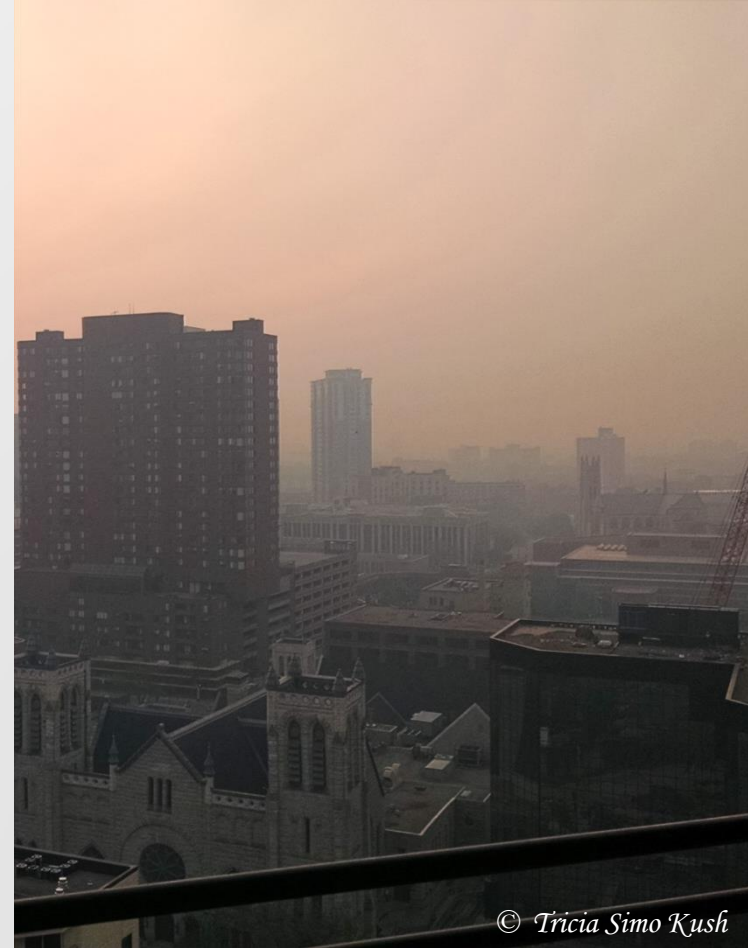
- If you encounter a wildfire, drive or walk away from the smoke and flames immediately
  - Call 911 and report the fire
- If told to evacuate, follow instructions from local officials
  - Follow the evacuation route and contact loved ones once you've reach safety



# Summer Weather Safety

## Air Quality

- Smoke from wildfires can travel thousands of miles and cause poor air quality
- Keep door and windows closed to reduce infiltration into your home



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[weather.gov/safety](https://weather.gov/safety)

# Summer Weather Safety

## Air Quality

- Exhaust from vehicles is another source of air pollution
- Harmful buildup of ground-level ozone can enhance health problems such as asthma
- Limit strenuous outdoor activity on days with poor air quality





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## Drought

- The heat of summer can lead short-term droughts which affect vegetation and agriculture
- Long term droughts can impact large reservoirs and the people that depend on them
- Implement water conservation efforts to minimize drought

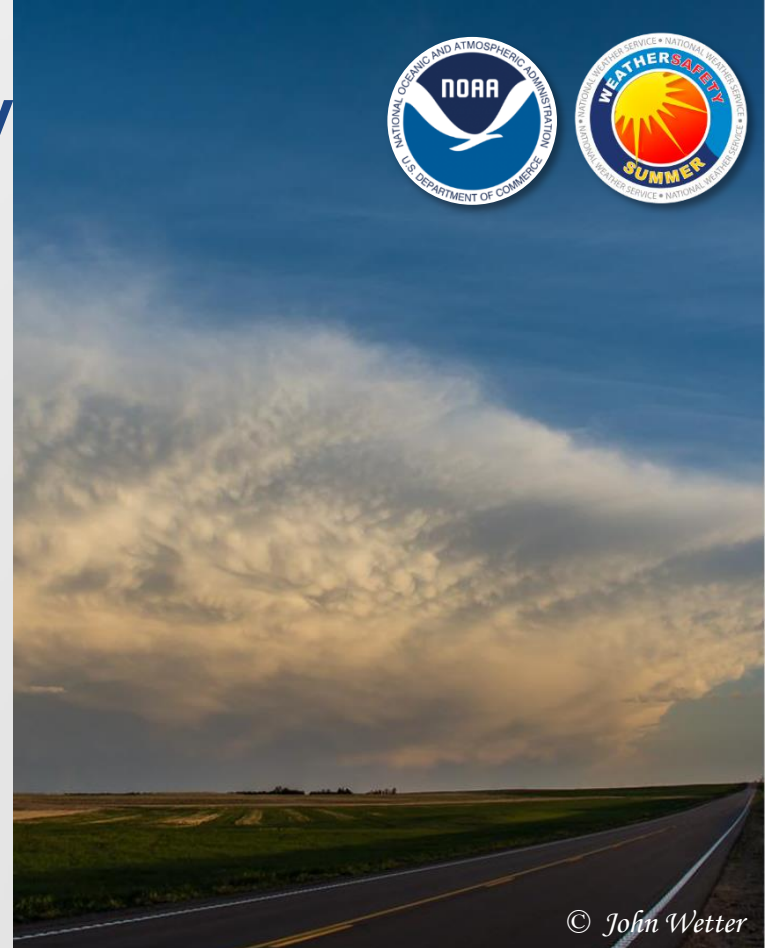


# Summer Weather Safety

## More Information

Visit the National Weather Service Safety pages

- [weather.gov/tornadoes](https://weather.gov/tornadoes)
- [weather.gov/thunderstorm](https://weather.gov/thunderstorm)
- [weather.gov/lightning](https://weather.gov/lightning)
- [weather.gov/flood](https://weather.gov/flood)
- [weather.gov/heat](https://weather.gov/heat)
- [weather.gov/hurricanesafety](https://weather.gov/hurricanesafety)
- [weather.gov/tsunamisafety](https://weather.gov/tsunamisafety)
- [weather.gov/wildfire](https://weather.gov/wildfire)
- [weather.gov/airquality](https://weather.gov/airquality)



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