NWS Community Services and Partner Resources

IGAP Meeting January 2023
Aviva Braun
Warning Coordination Meteorologist, NWS Anchorage
Ryan Metzger
Warning Coordination Meteorologist, NWS Fairbanks
● Being part of a Weather-Ready Nation is about preparing for your community's increasing vulnerability to extreme weather and water events.
● With your community’s efforts, communities will become prepared to protect, mitigate, respond to and recover from weather-related disasters.
Coming Together for a Common Cause

We are all stewards of Public Safety

NWS DShEM FEMA EMs First Responders DOT Harbormasters & Many More

Alaska - Building a Weather-Ready Nation
Sharing the Message Across Platforms

- **Hazard Identification**
- **Message Sharing**
- **Response**
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Multiple Ways to Get Weather Notifications

- Webpage
- TV – Alaska Weather
- Apps
- Call our Operations Floor directly
- Email
- NWSChat
- Facebook and Twitter
- iNWS
- Spot Weather Forecasts
- Situation Reports & Event Support Requests
Hover over the highlighted zone to get the Warning or Advisory Information.
On Television - Alaska Weather

- National Weather Service’s statewide public television show *Alaska Weather*.
- These images serve as a general forecast for the state.
- They should be used for planning purposes only.
- For more specific, up-to-date forecasts, please read the text and graphical forecasts produced by NWS Alaska Region’s forecast offices.
- Each day the TV aviation and marine images will expire as new forecast information is produced the next morning.

<table>
<thead>
<tr>
<th>Channel</th>
<th>Program time</th>
<th>Service area</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARCS</td>
<td>5:30 p.m.</td>
<td>235 communities in Bush Alaska</td>
</tr>
<tr>
<td>KUAC-TV 9.4 (UAFTV)</td>
<td>5:30 p.m.</td>
<td>Fairbanks and Interior Alaska</td>
</tr>
<tr>
<td>YouTube</td>
<td>after 6 p.m.</td>
<td>Online: <a href="http://weather.gov/anchorage/tv">weather.gov/anchorage/tv</a></td>
</tr>
<tr>
<td>KTOO 360TV</td>
<td>6:30 p.m.</td>
<td>Many areas statewide on-air, satellite and cable</td>
</tr>
</tbody>
</table>
Apps

Two ways to receive information on your phone.

Receive alerts from the National Weather Service for up to five locations.
Get safety reminders, read tips to survive natural disasters, and customize your emergency checklist.
Locate open shelters and where to talk to FEMA in person (or on the phone).
Upload and share your disaster photos to help first responders.

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Social Media Initiative

Facebook
- Text & Graphic based posts
- FB Live & Recorded Videos for high impact events
- NWS & Community Posts

Twitter
- Posts similar to Facebook
- Text & Graphic Based Posts
- Post Videos or YouTube Links
- Allows for rapid fire tweets during high impact weather situations
US National Weather Service Fairbanks
Alaska
3d - 🌼
Temps are going to be on the rise this afternoon with mostly sunny skies expected, especially north and east of Fairbanks. A bit cooler west of town due to more cloud cover. High temps overall around Fairbanks will be in the mid-upper 30s with a few spots in the low 40s! #akwx

US National Weather Service Juneau
Alaska
1d - 🌼
Good morning SEAK! Get out and catch those SUNday rays. Rain and breezy conditions return to the panhandle Monday. Want to know more? Additional details can be found on our website.
Get alerts directly to your phone or email specific to your needs and/or area of concern.
Spot Weather Forecasts

- NWS grid forecasts may not be good enough in an emergency.
- Remember that NWS forecasts are averaged over a 3 km x 3 km grid point and cannot capture specific micro-climates.
- **In an emergency situation, request a spot weather forecast!**
Spot Weather Forecasts

- **Weather.gov/spot**
- Provide weather forecast for a specific location
- Used when requested by public safety official is essential to public safety:
  - Wildland Fires
  - SAR
  - HazMat
  - Marine
  - Other: Volcano, Earthquake, Special Event
- Forecasts generated from the NWS office
- Forecasts can be provided verbally or in text format
Spot Weather Forecasts

Spot Forecast Incident Type: Prescribed Fire

Observations

(m) When submitting an observation, the yellow fields are required in addition to at least one weather element.

Wx Ob 1
- [ ] Remove Ob
- [ ] Site:
- [ ] Date: 06/05/2019
- [ ] Time: 06:15 (Local)
- [ ] Elev:
- Wind Dir:
- Wind Spd:
- Temp:
- Wet:
- R.H.:
- Td:
- Sky:
- Ws:
- Rmrks:

Wx Ob 2
- [ ] Remove Ob
- [ ] Site:
- [ ] Date: 06/05/2019
- [ ] Time: 06:15 (Local)
- [ ] Elev:
- Wind Dir:
- Wind Spd:
- Temp:
- Wet:
- R.H.:
- Td:
- Sky:
- Ws:
- Rmrks:

Wx Ob 3
- [ ] Remove Ob
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- [ ] Time: 06:15 (Local)
- [ ] Elev:
- Wind Dir:
- Wind Spd:
- Temp:
- Wet:
- R.H.:
- Td:
- Sky:
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Wx Ob 4
- [ ] Remove Ob
- [ ] Site:
- [ ] Date: 06/05/2019
- [ ] Time: 06:15 (Local)
- [ ] Elev:
- Wind Dir:
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Wx Ob 5
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- [ ] Date: 06/05/2019
- [ ] Time: 06:15 (Local)
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- Wind Spd:
- Temp:
- Wet:
- R.H.:
- Td:
- Sky:
- Ws:
- Rmrks:

Submit Spot Request

Clicking the button below will create a one time spot request.

This request will be processed and a forecast will be generated by the servicing forecast office at the time they receive the spot request.

At any time until the expiration of this forecast, another immediate spot request may be generated off of the original request. Additionally, the immediate spot request can be converted into a scheduled request by contacting your servicing forecast office.

Submit Request  Cancel
The weather outlook for Friday and Saturday is as follows:

**Situation Reports & Event Support Requests**

**Key Points:**
- Light snow Thursday evening transitioning to freezing rain late Thursday night.
- Major area of concern is in the Copper River Basin along the Edgerton Highway, however, freezing rain will extend across Nome, Anchorage, and the Mat-Su Valleys as well.
- Confidence is moderate for periods of freezing precipitation in a band other than snow.
- Warmer air in Nome Friday morning leading to the transition from snow to rain.
- During this transition, there will likely be a period of freezing rain across much of Southcentral.

**Winter Storm Watch for heavy freezing rain is in effect for the southern Copper River Basin from Friday morning through late Friday Night along the Edgerton Highway.

**Skid conditions:**
- Falling rain on frozen surfaces can cause slick conditions, even when temperatures are a few degrees above freezing. Areas that get a period of freezing rain during the transition to the Edgerton Highway near Wickeeti.
- Higher elevations will see a smoother transition from snow to rain.
- Quick snowfall through Turnagain Arm, Knik Arm, and through the Copper River Basin.
- Quick snowfall will delay the change for freezing rain, but falling rain on frozen surfaces will create slick conditions.

**Weather Summary:**
- Southeast flow sandwiched between a low pressure trough digging into the southern Bering Sea/Aleutian Islands and a developing ridge over Southcentral on Thursday results in a gradual increase in precipitation from snow to rain from south to north. Temperatures will warm above freezing across much of Southcentral by Saturday. Moderate periods of freezing precipitation in areas other than snow during the transition from snow to rain Friday into Saturday. Main concern for freezing rain along the Edgerton Highway.

**Confidence:**
- High. Precipitation beginning Thursday evening as snow and transitioning over to rain, from south to north. Temperatures will warm above freezing across much of Southcentral by Saturday. Moderate periods of freezing precipitation in areas other than snow during the transition from snow to rain Friday into Saturday. Main concern for freezing rain along the Edgerton Highway.

**Potential Hazards:**

**Heavy Rain**
4 to 10 inches

- Sunday to Thursday
- Indoor
- Risers on rivers and streams, mud and rock slides.

**River and Stream Flooding**

- Sunday to Thursday
- Indoor
- Damage to property or infrastructure

**Forecast Details:**
- A series of weather systems next week will bring heavy rainfall to the Interior.
- We have medium confidence that a heavy rainfall event will occur. We have low confidence in the exact timing and placement of the heaviest rainfall; however, it is likely that the heaviest rainfall with this event will be somewhere in the Alaska Range.
- Rainfall over the past week has left the ground across much of the Interior saturated. Rivers and streams in the Interior are already high due to the recent rainfall. Additional rises on area rivers and streams are expected. Some rivers and streams may see flooding. Currently there is low confidence in exactly where and when any flooding would occur.

Please call the NWS Anchorage office directly at 907-295-5002 or send email to anchorage.weather.noaa.gov for the area conditions or forecasts.

Thank you,

Your National Weather Service Forecast Team
Weather-Ready Nation
Building communities where individuals and organizations are Ready, Responsive and Resilient

Expanding our outreach through 11,200+ Ambassadors
Become a Weather Ready Nation Ambassador

The NWS strives to work closely with & serve all communities, agencies, & companies for the ultimate goal of being:

Resilient
Aware
Ready

Be a force (X) multiplier

https://www.weather.gov/wrn/ambassadors

Alaska - Building a Weather-Ready Nation
TsunamiReady / StormReady

An in-depth certification process with NWS to assist in making your city, county, agency, company, community safer to weather and water impacts.

Awareness
Communications
Connections
Readiness

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Marine Zone Changes

- Alaska region marine zones have undergone an overhaul - March 8

- Coastal zones along much of the coastline, including the Alaska Peninsula and eastern Aleutians, will be split in two
  - Nearshore 0 to 15 nm
  - Nearshore 16 up to 100 nm

- New numbering will be assigned to all zones except for offshore zones
Marine Zone Changes

- Western Aleutian marine zones will be split into Bering & Pacific side sections

- These changes are aimed at improving accuracy of forecasts and marine headlines across waters managed by Alaska Region NWS offices
  - Example: new zones better capture cases where high seas are expected well away from shore, but stay lower along the coast
Call or Email 24/7/365!

NWS Anchorage Direct Access: 907-266-5127
anchorage.weather@noaa.gov

NWS Fairbanks Direct Access: 907-458-3709
fairbanks.weather@noaa.gov

NWS Juneau Direct Access: (907) 790-6824
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How to Reach Us


weather.gov/alaska

mobile.weather.gov

US National Weather Service Anchorage, Juneau, Fairbanks

@NWSAnchorage, @NWSJuneau, @NWSFairbanks