



NWS Community Services and Partner Resources

IGAP Meeting January 2023

Aviva Braun

Warning Coordination Meteorologist, NWS Anchorage

Ryan Metzger

Warning Coordination Meteorologist, NWS Fairbanks



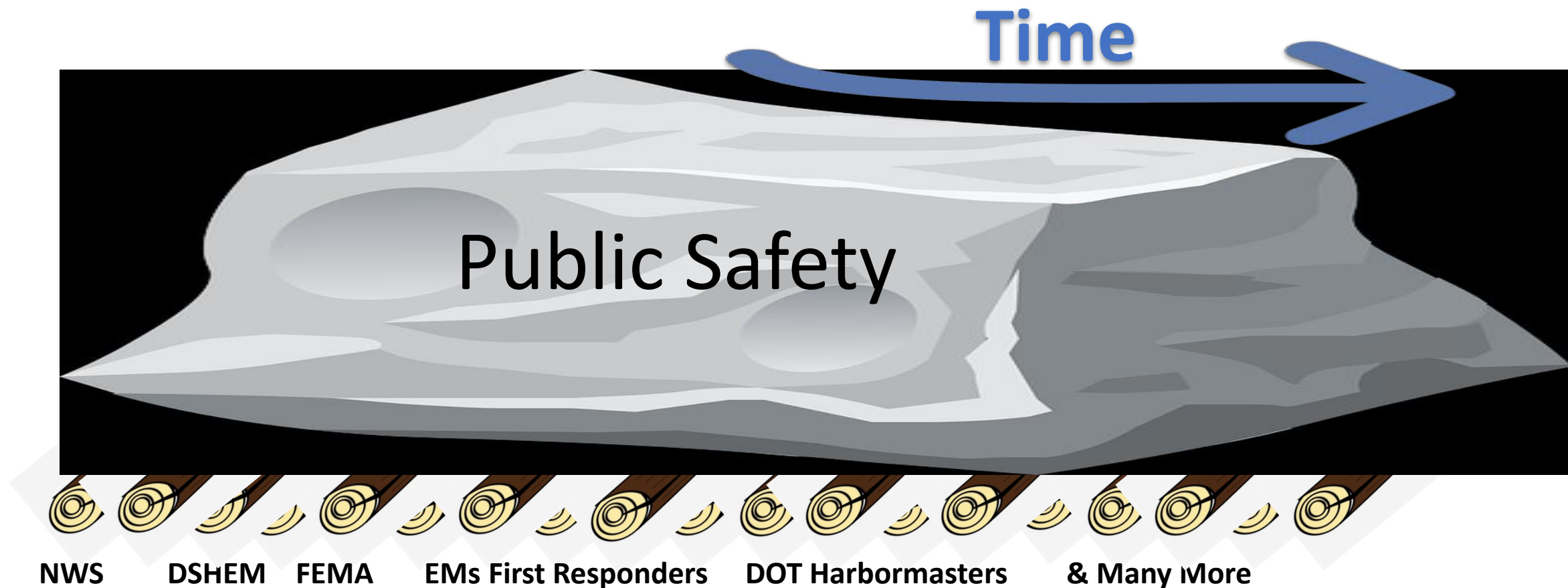
Building a Weather-Ready Nation Together



- 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



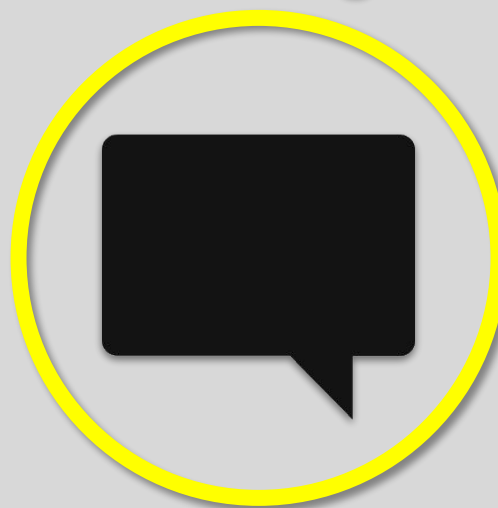
We are all stewards of Public Safety

Sharing the Message Across Platforms

**Hazard
Identification**



**Message
Sharing**

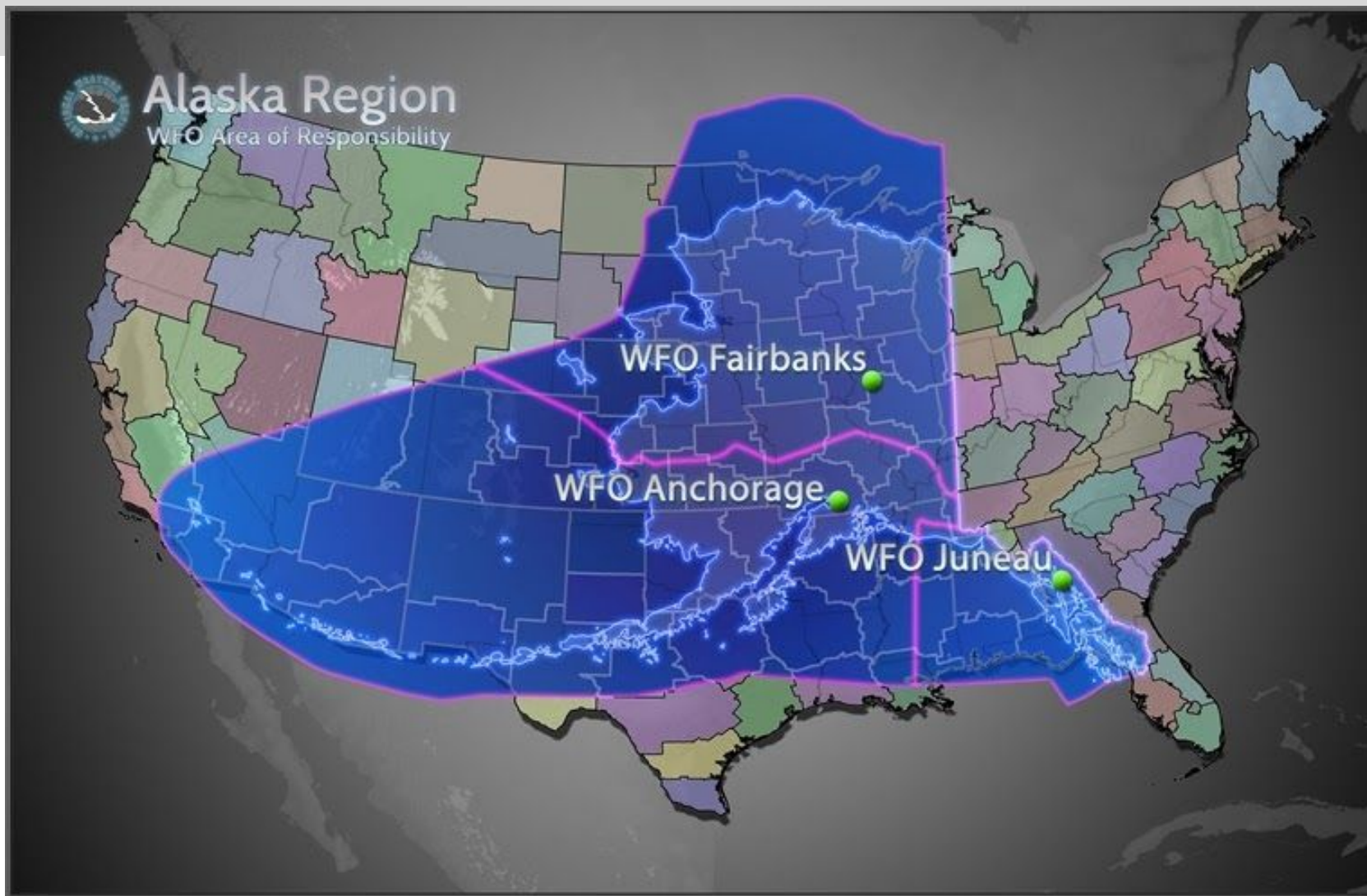


Response





National Weather Service Alaska



Alaska - Building a Weather-Ready Nation



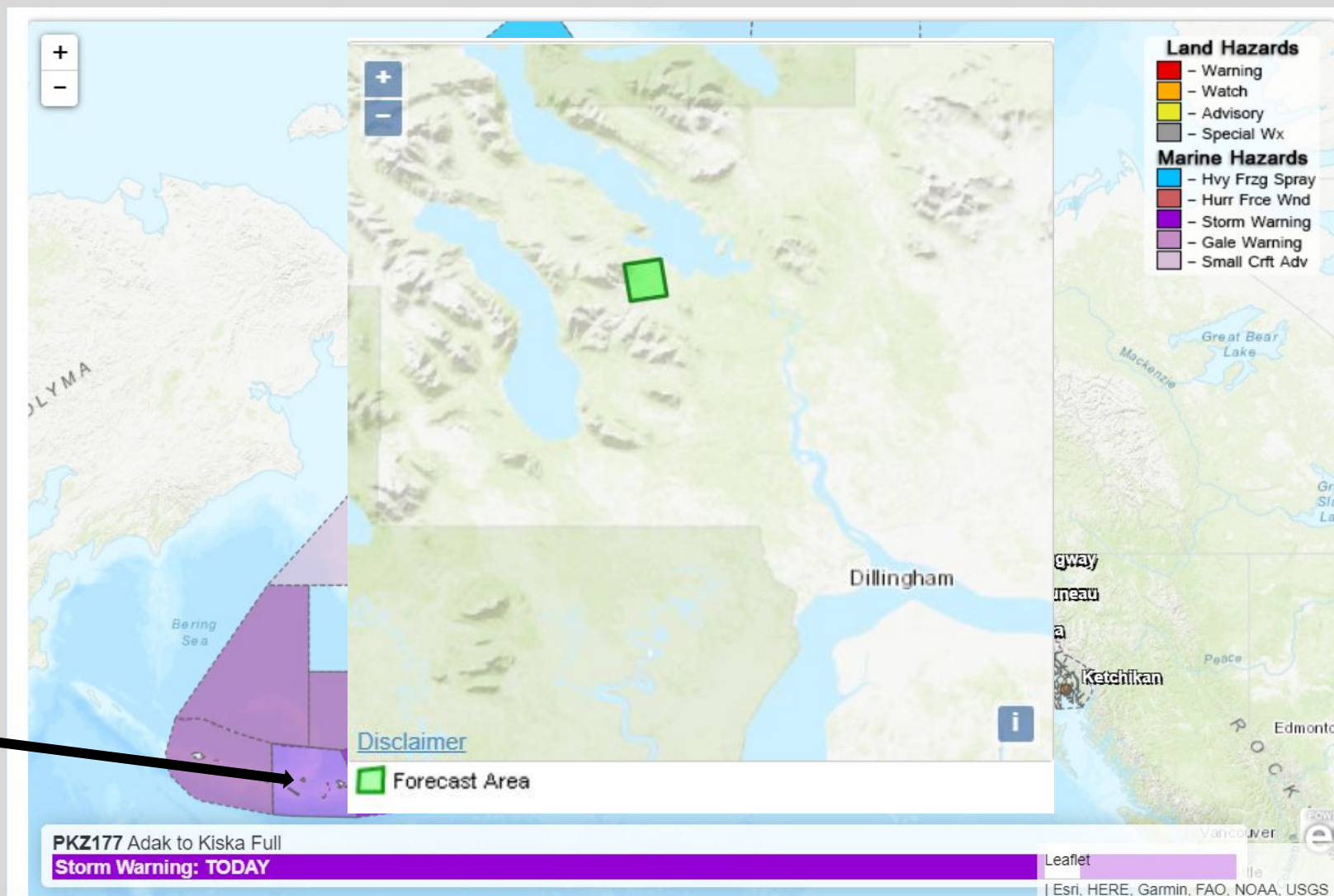


Multiple Ways to Get Weather Notifications

- Webpage
- TV – Alaska Weather
- Apps
- Call our Operations Floor directly
- Email
- NWSChat
- Facebook and Twitter
- iNWS
- Spot Weather Forecasts
- Situation Reports & Event Support Requests



National Weather Service Alaska



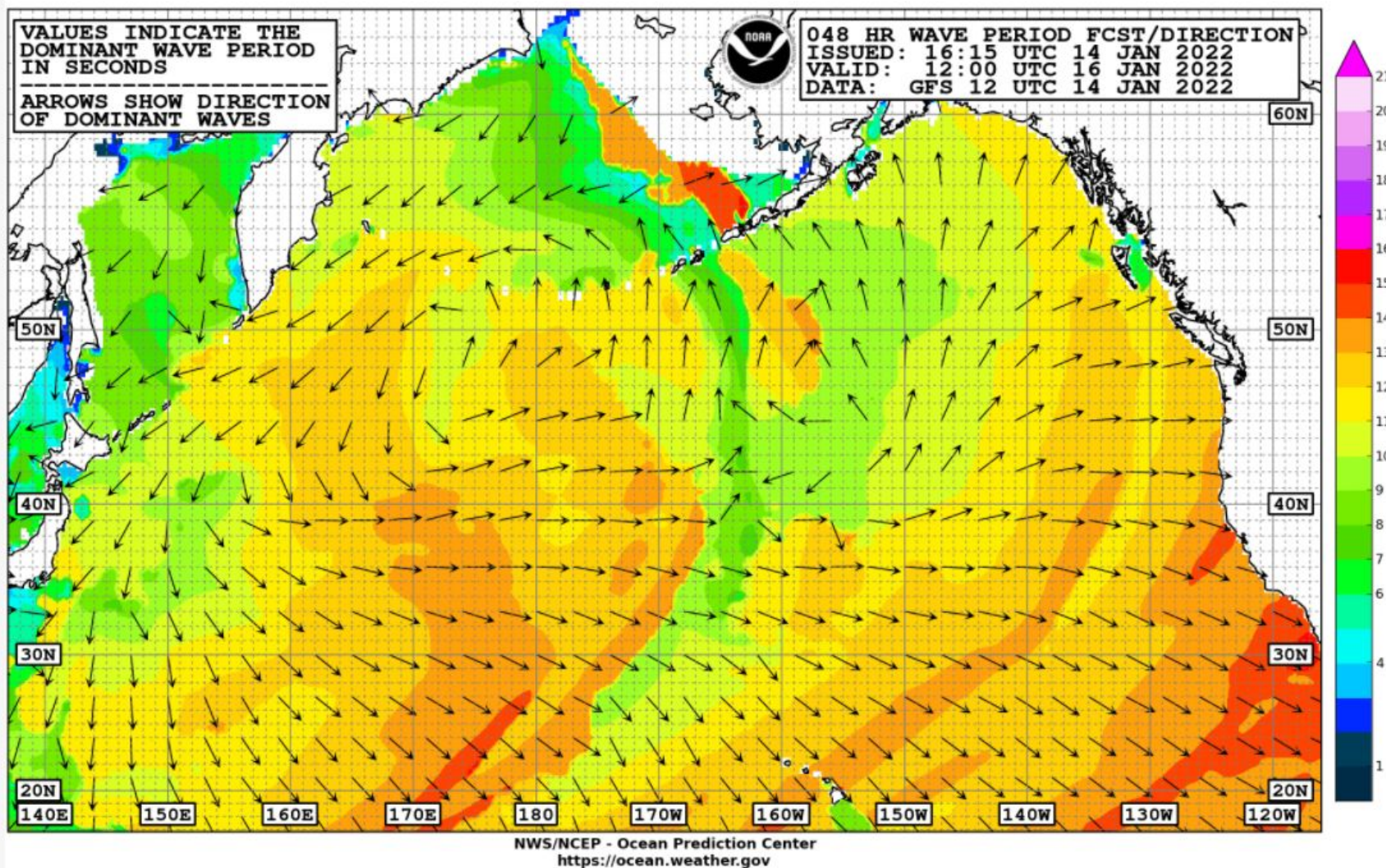
Alaska - Building a Weather-Ready Nation





National Weather Service Alaska

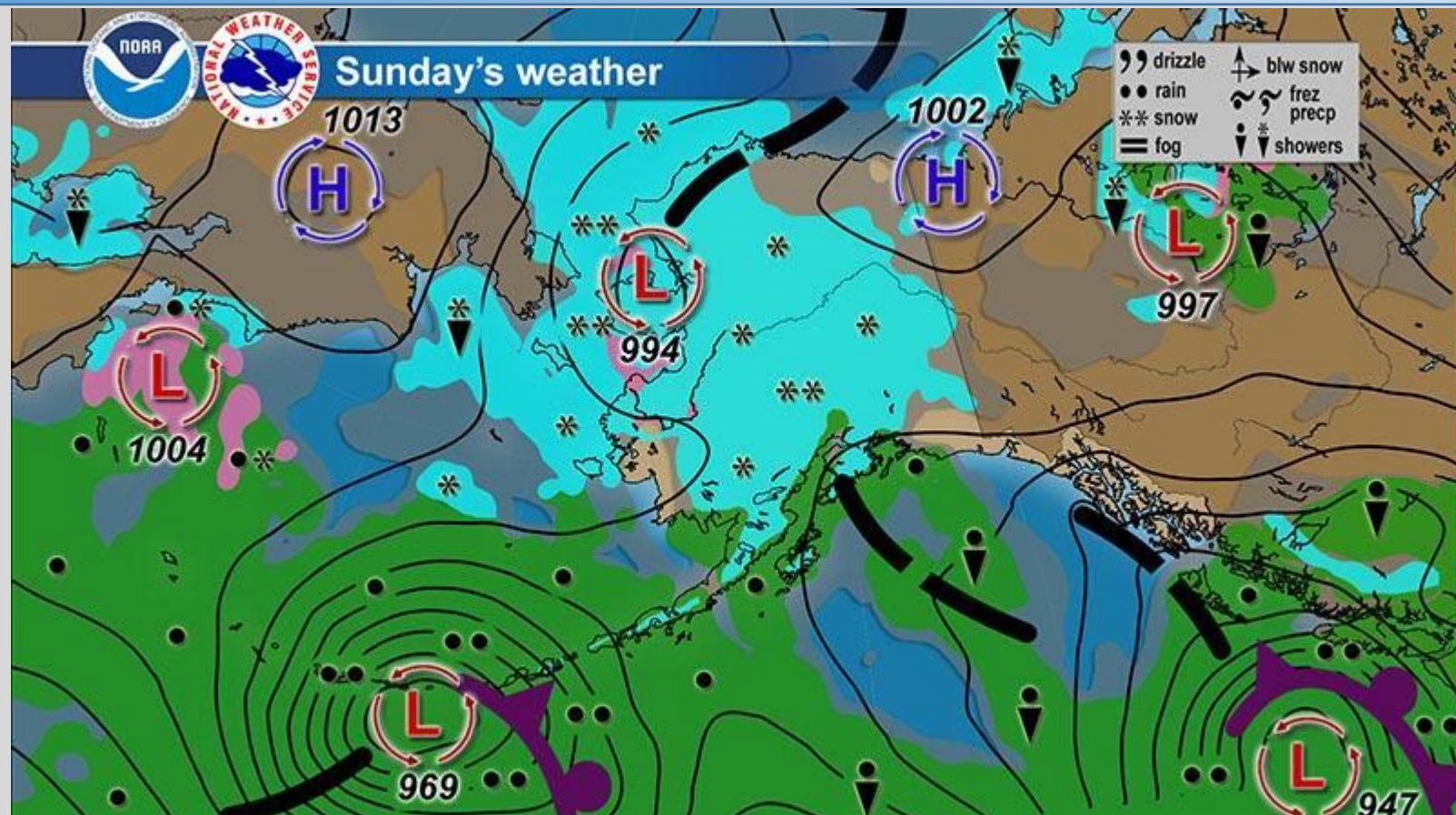
- 24hr Surface Forecast
- 48hr Surface Forecast
- 96hr Surface Forecast
- Sea-State Analysis
- 48hr Wind/Wave Forecast
- 96hr Wind/Wave Forecast
- 48hr Wave Period Forecast
- 96hr Wave Period Forecast
- 500MB Analysis
- 48hr 500mb Forecast
- 96hr 500mb Forecast
- Cook Inlet Sea Ice Analysis
- Sea Ice Analysis
- 5 Day Sea Ice Forecast
- SST Analysis





On Television - Alaska Weather

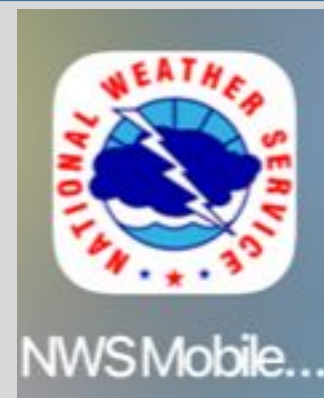
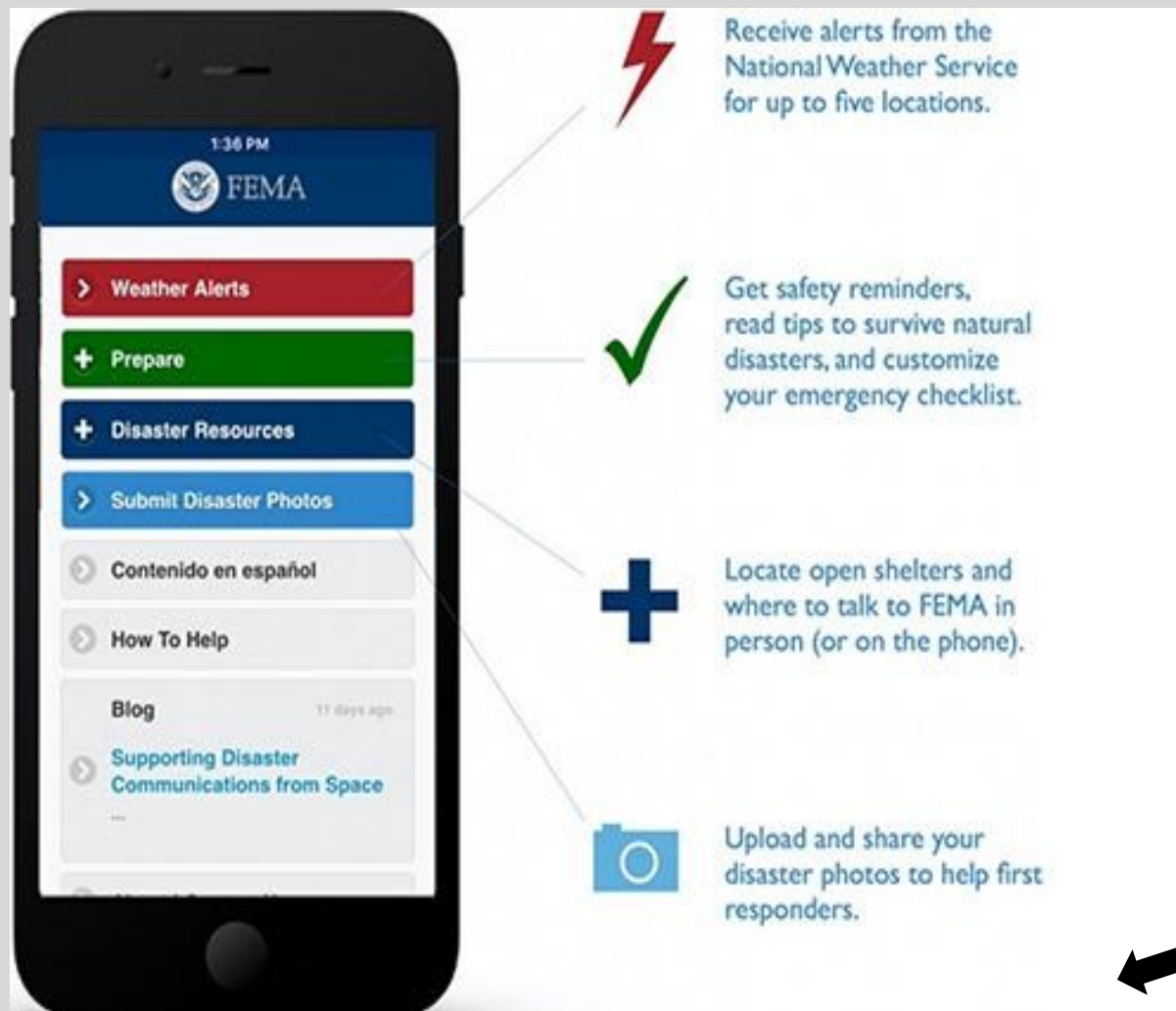
- National Weather Service's statewide public television show *Alaska Weather*.
- These images serve as a general forecast for the state.
- They should be used for planning purposes only.
- For more specific, up-to-date forecasts, please read the text and graphical forecasts produced by NWS Alaska Region's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



Channel	Program time	Service area
ARCS	5:30 p.m.	235 communities in Bush Alaska
KUAC-TV 9.4 (UAFTV)	5:30 p.m.	Fairbanks and Interior Alaska
YouTube	after 6 p.m.	Online: weather.gov/anchorage/tv
KTOO 360TV	6:30 p.m.	Many areas statewide on-air, satellite and cable



Apps



Two ways to receive information on your phone.

Merrill Field AK

Current Conditions

Anchorage, Ted Stevens Anchorage International Airport

Updated: 31 Jan 06:53 am AKST



18 °F

Wind Calm MPH

Dew Point 11 °F

(74% RH)

Freezing Fog



Forecast

31 Jan 06:53 am AKST

Today



Patchy
Freezing Fog
Hi 17°F



Tonight



Partly Cloudy
Lo 1°F



Tuesday



20% → 80%

Slight Chance
Snow then
Snow
Hi 21°F



Detailed Forecast

Radar

Satellite

Forecast Discussion



NWSChat

[Help](#) [All Chats](#) [akccfirechat](#) [afcchat](#)

[Clear Room Log](#) [Print Log](#) [View As HTML](#) [Hide NWSBot](#) [Mute Sounds](#) [A](#) [A+](#)

Message ▲

(3:56 AM) nwsbot: AFC issues [Zone Forecast Package \(ZFP\)](#)

(5:31 AM) nwsbot: AFC issues [Area Forecast Discussion \(AFD\)](#)

(3:16 PM) nwsbot: AFC issues [Offshore Waters Forecast \(OFF\)](#)

(3:16 PM) nwsbot: AFC issues [Coastal Waters Forecast \(CWF\)](#)

(3:19 PM) nwsbot: AFC issues [Coastal Waters Forecast \(CWF\)](#)

(3:20 PM) nwsbot: AFC issues [Offshore Waters Forecast \(OFF\)](#)

(3:21 PM) nwsbot: AFC issues [Zone Forecast Package \(ZFP\)](#)

(3:23 PM) nwsbot: AFC issues [Zone Forecast Package \(ZFP\)](#)

(4:00 PM) nwsbot: ----- Oct 25, 2021 [UTC] -----

(4:05 PM) nwsbot: AFC issues [Area Forecast Discussion \(AFD\)](#)

NOAA's National Weather Service
NWSChat

[NWSChat Home](#) [Change Password](#) [Documentation/Help](#) [Contacts](#)

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FZAK51 PAFC 242319
CWFAER

COASTAL WATERS FORECAST
NATIONAL WEATHER SERVICE ANCHORAGE ALASKA
319 PM AKDT SUN OCT 24 2021

COASTAL WATERS FORECAST FOR THE NORTHERN GULF OF ALASKA COAST
UP TO 100 NM OUT INCLUDING KODIAK ISLAND AND COOK INLET.

WIND FORECASTS REFLECT THE PREDOMINANT SPEED AND DIRECTION
EXPECTED. SEA FORECASTS REPRESENT AN AVERAGE OF THE HIGHEST
ONE-THIRD OF THE COMBINED WIND WAVE AND SWELL HEIGHT.

PKZ197-251245-
319 PM AKDT SUN OCT 24 2021
.SYNOPSIS FOR THE NORTH GULF COAST+KODIAK ISLAND WATERS+
COOK INLET...

A 988 MB LOW 126 NM EAST OF KODIAK CITY, WILL REMAIN NEARLY
STATIONARY AND DISSIPATE BY MON AFTERNOON. A NORTH PACIFIC LOW WILL
TRACK SOUTH OF THE GULF THROUGH LATE MON NIGHT.

\$\$

PKZ119-251245-
CAPE SUCKLING TO CAPE CLEARE-
319 PM AKDT SUN OCT 24 2021

...SMALL CRAFT ADVISORY TONIGHT...

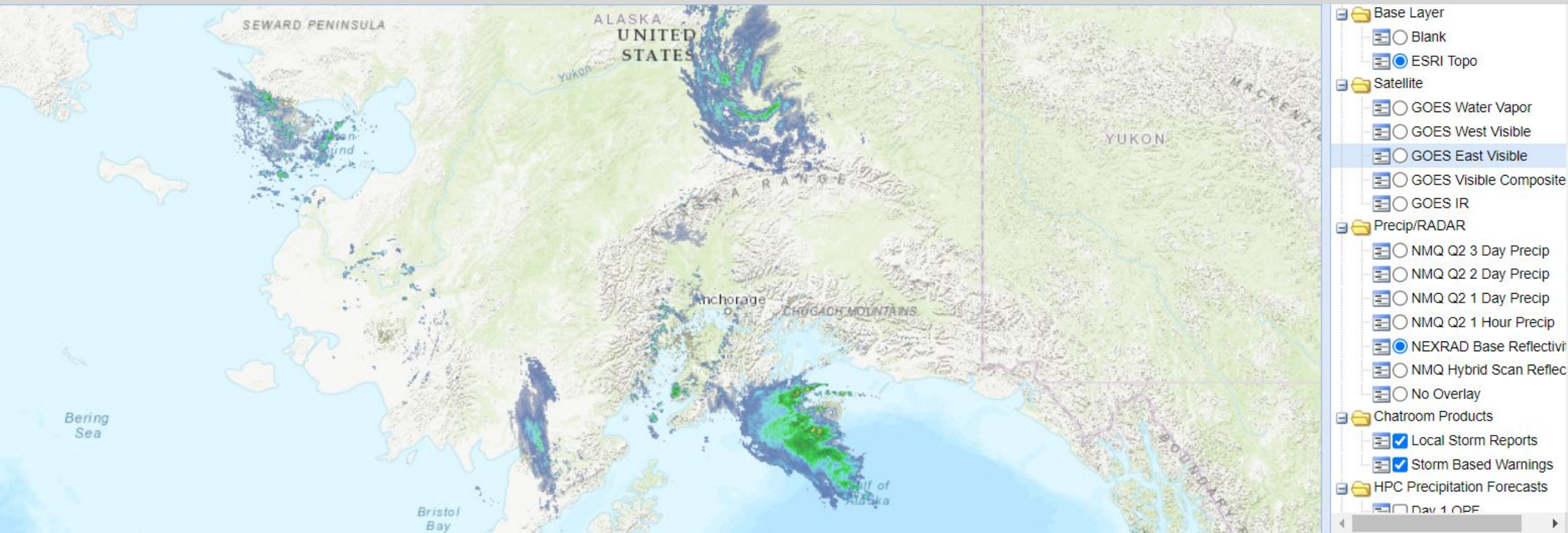
.TONIGHT...NE WIND 15 KT. SEAS 8 FT.
.MON...E WIND 15 KT. SEAS 6 FT.
.MON NIGHT...E WIND 15 KT. SEAS 6 FT.
.TUE...VARIABLE WIND 10 KT. SEAS 8 FT.
.TUE NIGHT...VARIABLE WIND 10 KT. SEAS 9 FT.
.WED...W WIND 25 KT. SEAS 8 FT.
.THU...SE WIND 30 KT. SEAS 11 FT.
.FRI...S WIND 25 KT. SEAS 12 FT.

Alaska - Building a Weather-Ready Nation

WEATHER READY NATION



NWSChat



Alaska - Building a Weather-Ready Nation





Social Media Initiative


Facebook

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

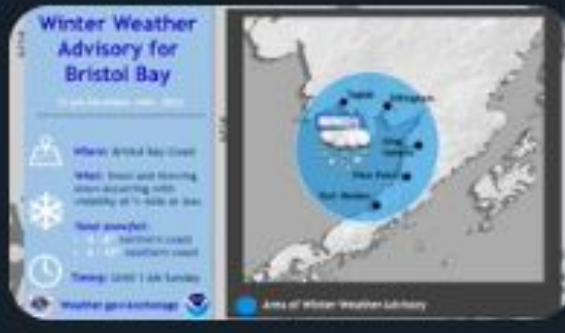

Twitter

- Posts similar to Facebook
- Text & Graphic Based Posts
- Post Videos or YouTube Links
- Allows for rapid fire tweets during high impact weather situations

Social Media Initiative Examples

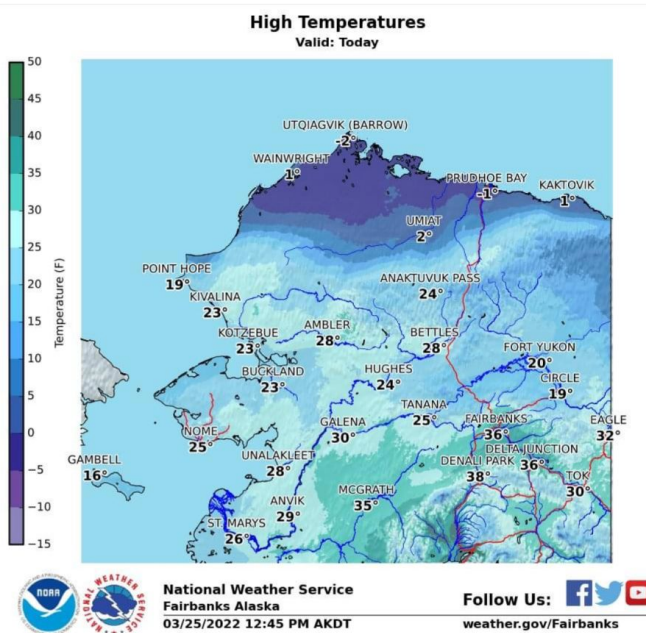



NWS Anchorage @NW... 3d
 ❄️ While the stronger winds and blowing snow are letting up somewhat across #SouthcentralAK, we are still tracking another system moving across #SouthwestAK. A Winter Weather Advisory for snow and blowing snow is in effect for coastal areas of Bristol Bay through tonight. #AKwx

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.

Rain & Wind Return



Sunday → Monday

JUNEAU, ALASKA
NATIONAL WEATHER SERVICE
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION



iNWS – Alerts Directly to Your Phone/Email

[Home](#) [News](#) [FAQ](#) [Feedback](#)

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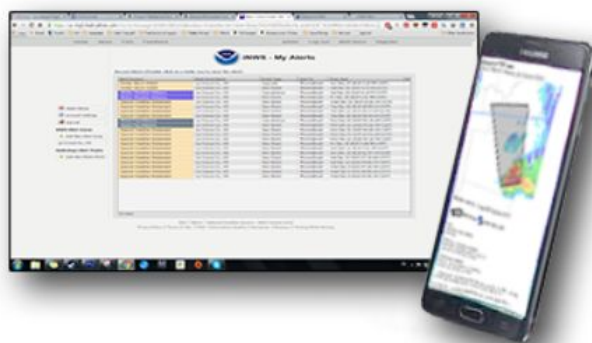


iNWS - Interactive NWS

National Weather Service Mobile Decision Support Services (MDSS)

iNWS MOBILE ALERTING

Receive customized text message and e-mail alerts for National Weather Service products that you care about.



Welcome

InteractiveNWS (iNWS) is the home of new mobile and desktop innovations of the National Weather Service. This application suite allows NWS partners to receive National Weather Service products in new and innovative ways, such as text messaging and mobile-enabled webpages. iNWS strives to fulfill our mission of protecting life and property by using technology to reach out to our customers.

Recent News

Note: If you are receiving alerts, but never signed up for them, they may be coming from a new FEMA public system called the Wireless Emergency Alerts (WEA). More information can be found at [Wireless Emergency Alerts Consumer Guide](#)

iNWS is an experimental service intended for NWS core partners: emergency managers, community leaders, other government agencies and the electronic media.

DOC | NOAA | National Weather Service - iNWS Version 6.7.3

[Privacy Policy](#) | [Terms of Use](#) | [FOIA](#) | [Information Quality](#) | [Disclaimer](#) | [Glossary](#) | [Texting While Driving](#)

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](https://www.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

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

WX OB 1	WX OB 2	WX OB 3	WX OB 4	WX OB 5
<input type="checkbox"/> Remove Ob	<input type="checkbox"/> Remove Ob	<input type="checkbox"/> Remove Ob	<input type="checkbox"/> Remove Ob	<input type="checkbox"/> Remove Ob
(*)Site: <input type="text"/>	(*)Site: <input type="text"/>	(*)Site: <input type="text"/>	(*)Site: <input type="text"/>	(*)Site: <input type="text"/>
(*)Date: 06/05/2019	(*)Date: 06/05/2019	(*)Date: 06/05/2019	(*)Date: 06/05/2019	(*)Date: 06/05/2019
(*)Time: 06:15 ▼ (Local)	(*)Time: 06:15 ▼ (Local)	(*)Time: 06:15 ▼ (Local)	(*)Time: 06:15 ▼ (Local)	(*)Time: 06:15 ▼ (Local)
(*)Elev: <input type="text"/>	(*)Elev: <input type="text"/>	(*)Elev: <input type="text"/>	(*)Elev: <input type="text"/>	(*)Elev: <input type="text"/>
Wind Dir: ▼	Wind Dir: ▼	Wind Dir: ▼	Wind Dir: ▼	Wind Dir: ▼
Wind Spd: <input type="text"/>	Wind Spd: <input type="text"/>	Wind Spd: <input type="text"/>	Wind Spd: <input type="text"/>	Wind Spd: <input type="text"/>
Temp: <input type="text"/>	Temp: <input type="text"/>	Temp: <input type="text"/>	Temp: <input type="text"/>	Temp: <input type="text"/>
WB: <input type="text"/>	WB: <input type="text"/>	WB: <input type="text"/>	WB: <input type="text"/>	WB: <input type="text"/>
RH: <input type="text"/>	RH: <input type="text"/>	RH: <input type="text"/>	RH: <input type="text"/>	RH: <input type="text"/>
Td: <input type="text"/>	Td: <input type="text"/>	Td: <input type="text"/>	Td: <input type="text"/>	Td: <input type="text"/>
Sky: ▼	Sky: ▼	Sky: ▼	Sky: ▼	Sky: ▼
Wx: ▼	Wx: ▼	Wx: ▼	Wx: ▼	Wx: ▼
Rmks: <input type="text"/>	Rmks: <input type="text"/>	Rmks: <input type="text"/>	Rmks: <input type="text"/>	Rmks: <input type="text"/>

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 .



Situation Reports & Event Support Requests



Good evening,

The weather impact level for Friday and Saturday is: **Moderate**.
Along the Edgerton Highway, the weather impact level for Friday and Saturday is: **High**.

Key Points:

- Light snow Thursday evening transitioning to freezing rain late Thursday night.
 - Main area of concern is in the Copper River Basin along the Edgerton Highway, however, freezing rain will extend across Kenai, Anchorage, and the Mat-Su Valleys as well.
- Confidence is moderate-high for periods of frozen precipitation in a form other than snow.
 - Warmer air moves in Friday morning resulting in 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.**
- Slick conditions Friday and Friday night
 - Falling rain on frozen surfaces can cause slick conditions, even where temperatures are a few degrees above freezing. Areas that get a period of freezing rain during the transition of the Edgerton Highway near McCarthy.
 - Higher elevations will see a smoother transition from snow to rain.
- Gusty winds through Turnagain Arm, Knik Arm, and through the Copper River Basin
 - Gusty winds will decrease the chance for freezing rain, but falling rain on frozen surfaces will create slick conditions.

Weather Summary:

Southerly flow sandwiched between a longwave trough digging into the southern Bering/Aleutian Islands and a developing ridge over Southcentral on Thursday results in a gradual increase transition from snow to rain from south to north Thursday night into Friday, with likely periods of freezing rain Friday through Friday night. Southcentral will remain right along the storm track, with a series of disturbances moving into the region from the Gulf. Coastal areas will see a steady onshore and upslope flow, causing co weekend.

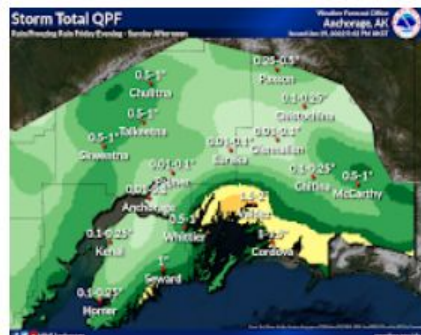
Confidence:

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 frozen precipitation in a form other than snow during the transition from snow to rain Friday into Saturday. Main concern for freezing rain along the Edgerton Highway, I and/or slick surfaces.

Attached are the QPF graphics for Thursday night and Friday night.

Please call the NWS Anchorage office directly at 907-266-5127 or send an email to anchorage.weather@noaa.gov for any updates or questions.

Thank you,
Your National Weather Service Forecast Team



Heavy Rainfall in the Interior Next Week

National Weather Service – Fairbanks, AK

Issued: 3:00 PM AKDT Friday June 5th, 2020

Valid: Sunday to Thursday

Point of Contact: NWS Fairbanks Operations. 907-458-3700 or fairbanks.weather@noaa.gov

Major Impacts Possible

This includes rare events that could have major impacts on commerce.

CHANGES SINCE PREVIOUS BRIEFING

- None, this is the first briefing

POTENTIAL HAZARDS

What	When	Where	Impacts	Confidence
Heavy Rain 4 to 10 inches	Sunday to Thursday	Interior	Rises on rivers and streams. Mud and rock slides.	Amounts: Medium Placement and timing: Low
River and Stream Flooding	Sunday to Thursday	Interior	Damage to property or infrastructure.	Low

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.

Weather-Ready Nation

Building communities where individuals and organizations are
Ready, Responsive and Resilient

Expanding our outreach through 11,200+ Ambassadors



Marine

Hydrologic

Geologic

Radio & News Outlets

Emergency Management

Businesses

Education

Health Depts

Aviation

Tribal Nations

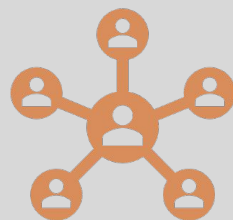


Become a Weather Ready Nation Ambassador

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>



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



Alaska - Building a Weather-Ready Nation

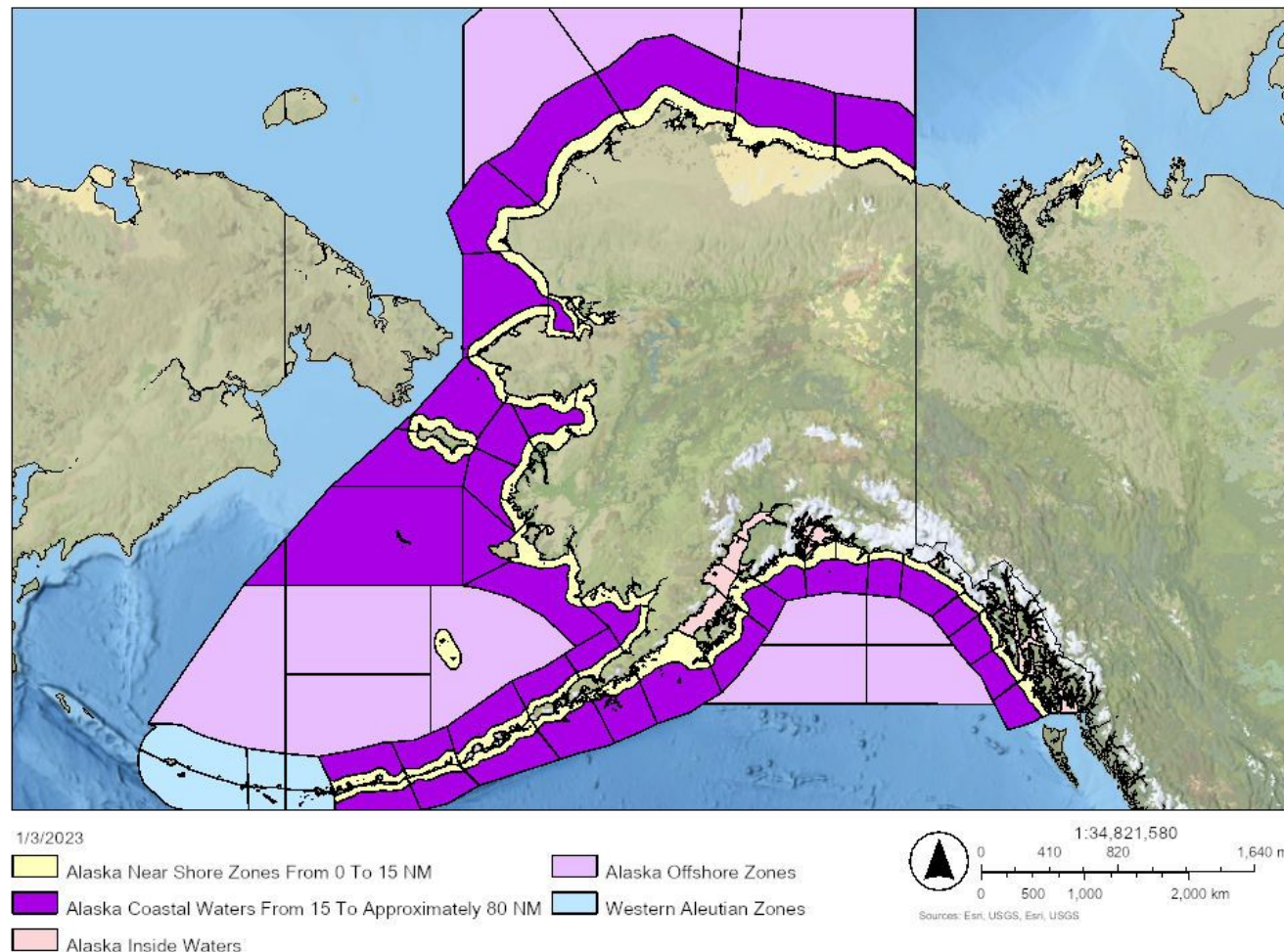


Marine Zone Changes



- 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

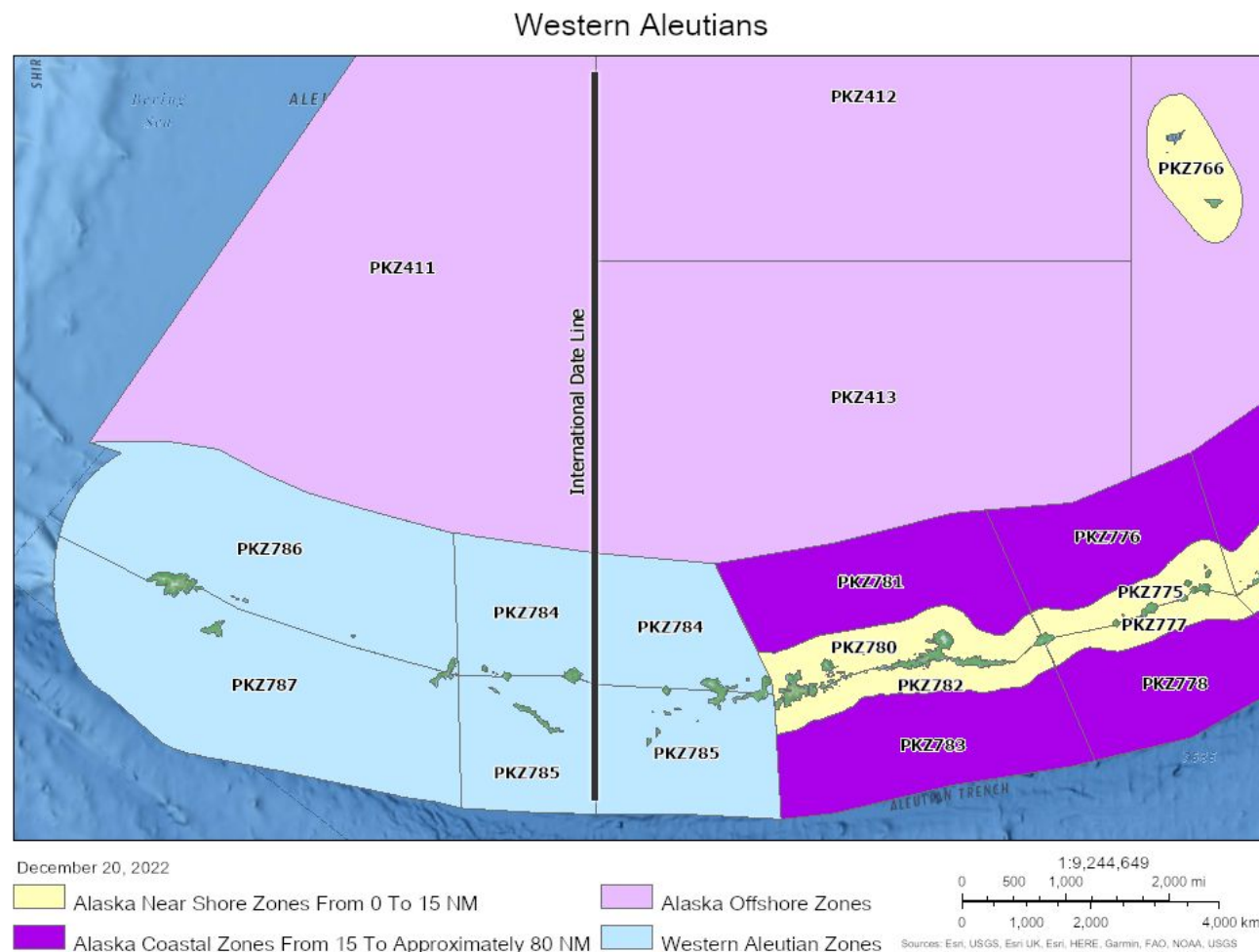
Alaska Marine Forecast Zones (as of March 2023)



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

juneau.weather@noaa.gov



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How to Reach Us



Anchorage: 907-266-5127, Juneau: 907-790-6824, Fairbanks: 907-458-3709



weather.gov/alaska



mobile.weather.gov



US National Weather Service Anchorage, Juneau, Fairbanks



@NWSAnchorage, @NWSJuneau, @NWSFairbanks