



# RRT10 MEETING AGENDA

**Meeting date:** March 12, 2025

**Start time:** 0900 PT

**End time:** 1600 PT

**Meeting location:** q̓widiččaʔa-t̓x Makah Marina Conference Room  
1321 Bay View Ave.  
Neah Bay, WA 98357

**Virtual Participation:** <https://waecy-wa.gov.zoom.us/j/85044613390>

Meeting ID: 850 4461 3390

One tap mobile

+12532050468,,85044613390# US

**Please Sign In:**



## Agenda 0900-1600 hours

Time	Topic	Speaker / Facilitator
0900 - 0920	Welcome, Introductions	Makah Leadership, Co-Chairs, Coordinators
0920 - 1030	RRT Member/Agency Roll Call & Updates: <ul style="list-style-type: none"> <li>USCG D13</li> <li>EPA R10</li> <li>Makah Tribe</li> <li>CTCLUSI</li> <li>Yakama Nation</li> <li>WA Ecology</li> <li>ODEQ</li> <li>IOEM/IDEQ</li> <li>Dept of Defense</li> <li>Dept of Energy</li> <li>Dept of State</li> <li>Dept of Justice</li> <li>Dept of Health and Human Services</li> <li>Dept of Labor/OSHA</li> <li>Dept of Commerce/NOAA</li> <li>Dept of Interior</li> <li>Dept of Transportation</li> <li>Dept of Agriculture</li> <li>FEMA</li> <li>US Nuclear Regulatory Commission</li> <li>General Services Administration</li> </ul>	5 minutes each, Other RRT Representatives as time allows: <ul style="list-style-type: none"> <li>Sector Columbia River</li> <li>Sector Puget Sound</li> <li>Army Corps of Engineers</li> <li>WA State Military Dept – OEM</li> <li>WA State Dept of Health</li> <li>OR State Fire Marshall</li> <li>OR Public Health</li> <li>ID Dept of Health and Welfare</li> </ul>
1030 - 1045	Break	
1045 - 1115	Subcommittee Report Outs <ul style="list-style-type: none"> <li>Regionwide Planning Committee</li> <li>GRP Subcommittee</li> <li>Tribal Engagement Subcommittee</li> </ul>	Chelsey Olson, Mary Goolie Darcy Bird, Don Pettit Natalie Lowell, Sarah Hardisty
1115 - 1145	Area Committee Report Outs <ul style="list-style-type: none"> <li>Puget Sound</li> <li>Columbia River</li> <li>NW Inland</li> </ul>	Mike Rushane Brian O'Neil Mary Goolie
1145 - 1315	Lunch	



# NW Regional Response Team Meeting



March 12, 2025

# MEETING PURPOSE AND “RULES”

- This is a business meeting of the **RRT**
- Items discussed that are the responsibility or content of the Area Committees will be **referred to appropriate Area Committee** and not included in the meeting discussion, except for how the RRT can provide support, if requested/needed
- As time allows, questions may be taken outside of agenda topics. Please type questions in the Chat box



# MEETING SIGN-IN

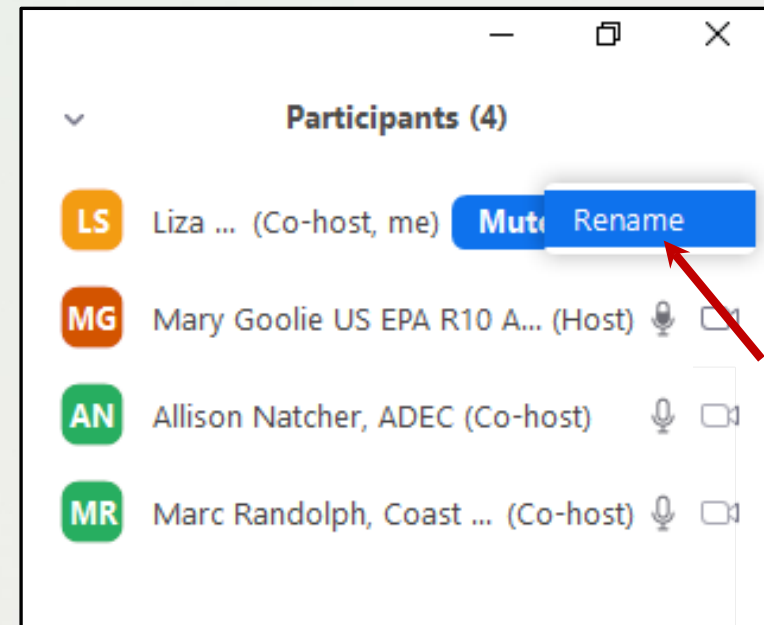
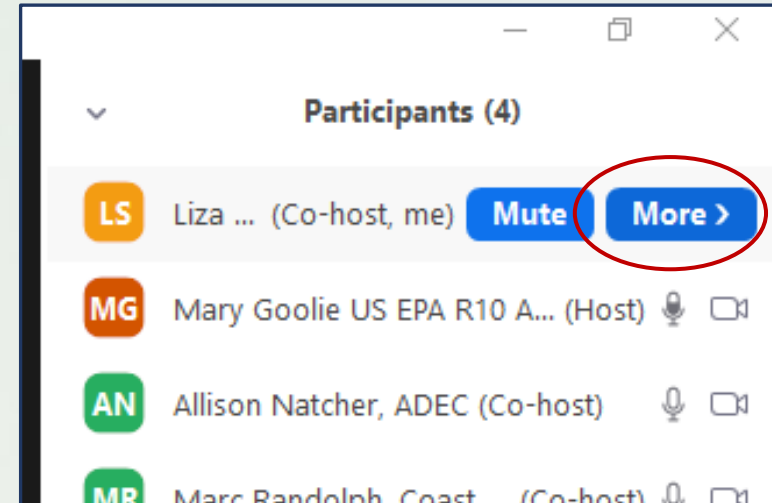


<https://rrt10nwac.com/>

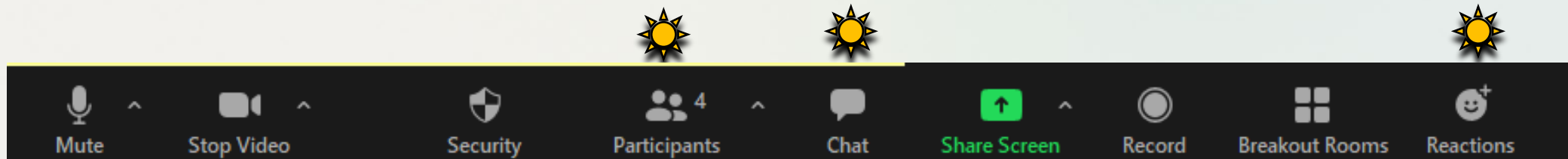
# TIPS: USING ZOOM

- Change your name to, FULL NAME and AGENCY

Please mute your mic &  
turn off video,  
except when speaking



# ZOOM TIPS: RAISE HAND AND CHAT



**RRT Members & Representatives,  
raise your hand to speak or enter  
question/comment in chat.**

Chat

Find “Raise Hand”  
Under Reactions

*Please use “Everyone” Chat when asking or responding to questions or making general comments/requests during this meeting.*

# MORNING AGENDA

**9:00            WELCOME & INTRODUCTIONS**

**9:20            RRT MEMBER/AGENCY ROLL CALL & UPDATE**

**10:30-10:45 BREAK**

**10:45            SUBCOMMITTEE REPORT OUTS**

**11:15            AREA COMMITTEE REPORT OUTS**

**11:45            LUNCH (UNTIL 1:15)**



# **WELCOME & INTRODUCTIONS**

## **MEMBER/AGENCY ROLL CALL**

RRT Coordinators will facilitate RRT member/agency roll call. When called, please provide a brief update.

For other attendees, an attendee list will be based on Participant Names.



# BREAK



Please don't forget to  
SIGN IN

# Region Wide Planning Committee Report Out





# Agenda

- Review RWPC Membership and Purpose
- Review 2025 Meeting Schedule
- Plan Relationships
- RCP Restructure Project
- Progress Update: ACPs
  - Formation of Inland Area Committee
  - Puget Sound ACP architecture
  - Columbia River ACP architecture

# Region Wide Planning Committee Purpose

- Ensure coordination of planning across area and regional levels.
- Ensure consistency between plans and promote awareness of projects, upcoming meetings, and working groups at every planning level.
- Hold Monthly RWPC Meetings
- Review ACP changes to ensure consistency among ACPs.
- Outreach: announcement emails & newsletters
- Recommending & coordinating website updates
- Plan workshops for the RWPC members determine RCP structure
- Create Regional Response Team agenda for RRT10 Co-Chairs

*Overall: Interagency coordination of planning efforts*

# Region Wide Planning Committee Members

## RRT10 Coordinators

- EPA: Mary Goolie
- USCG D13:  
LT Jamie Waterman



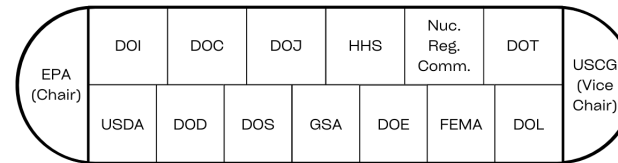
## Planners

- WA ECY
- IOEM
- IDEQ
- OR DEQ
- Makah
- CTCLUSI
- Puget Sound AC
- Columbia River AC
- NW Inland AC

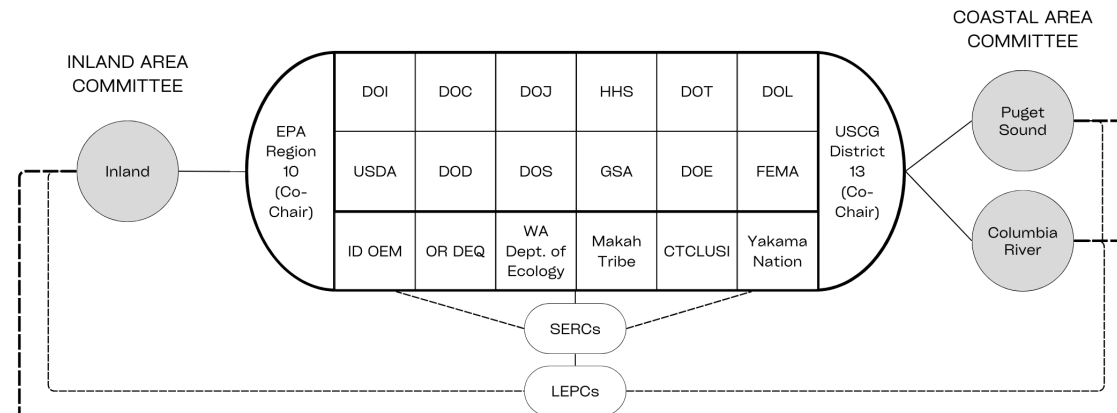
# RRT/AC Memberships

## National Response System Concepts: Planning

### National Response Team



### Region 10 Regional Response Team



Sources of Input and Guidance to Area Committees	
Government (sec. 300.145)	Non-Government (57 FR 15198)
Strike Teams	Facility and vessel owners/operators
NPFC	Shipping company representatives
ERT	Cleanup contractors
RERT	Emergency planning and response officials
DRG	Marine pilot associations
DRAT	Members of academia
SSC	Environmental advocacy groups
PIAT	Response organizations/officers
SUPSALV	Citizens

# 2025 Meeting Schedule

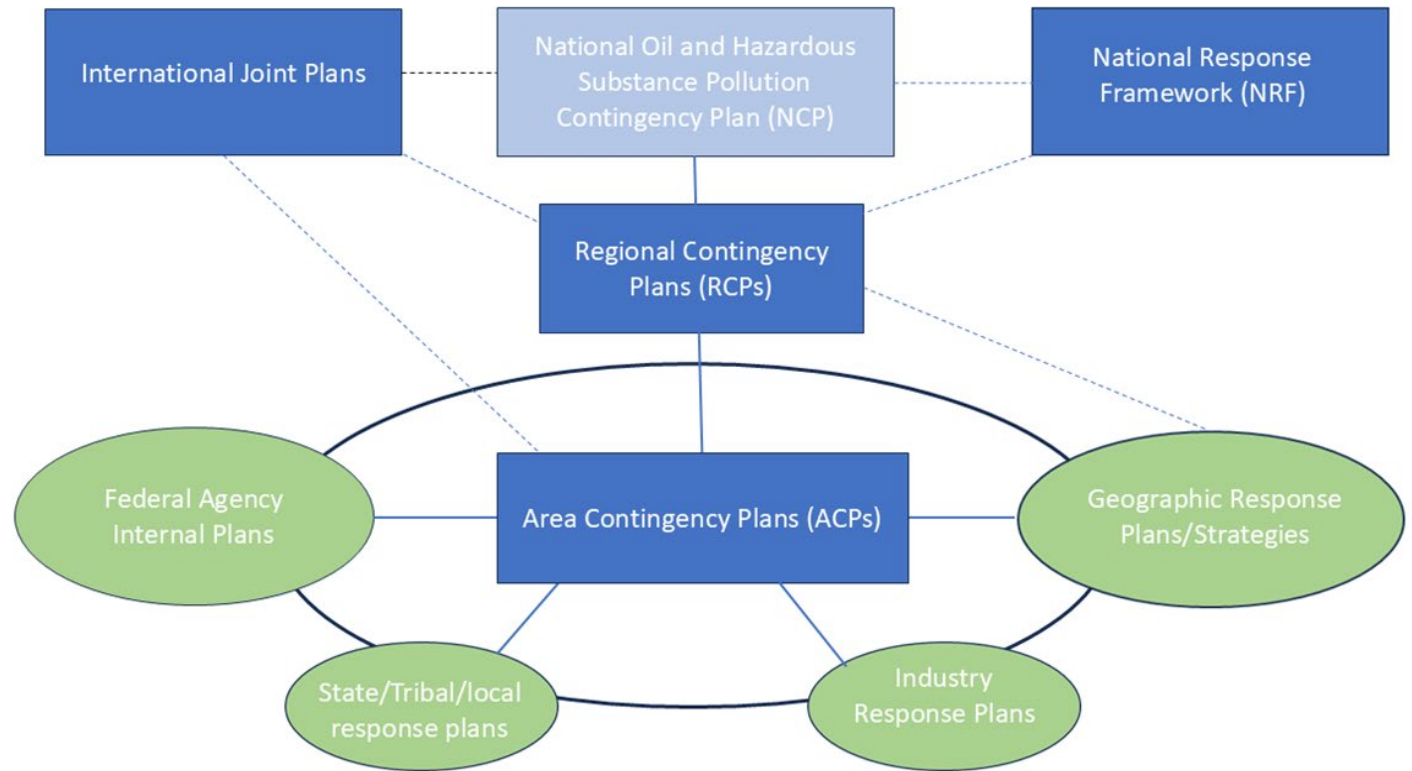
## Notes:

- \* implies co-located meeting
- Additional Area Committee Meetings and RRT meetings may be held as desired
- Additional information can be found at:

[www.rrt10nwac.com](http://www.rrt10nwac.com)

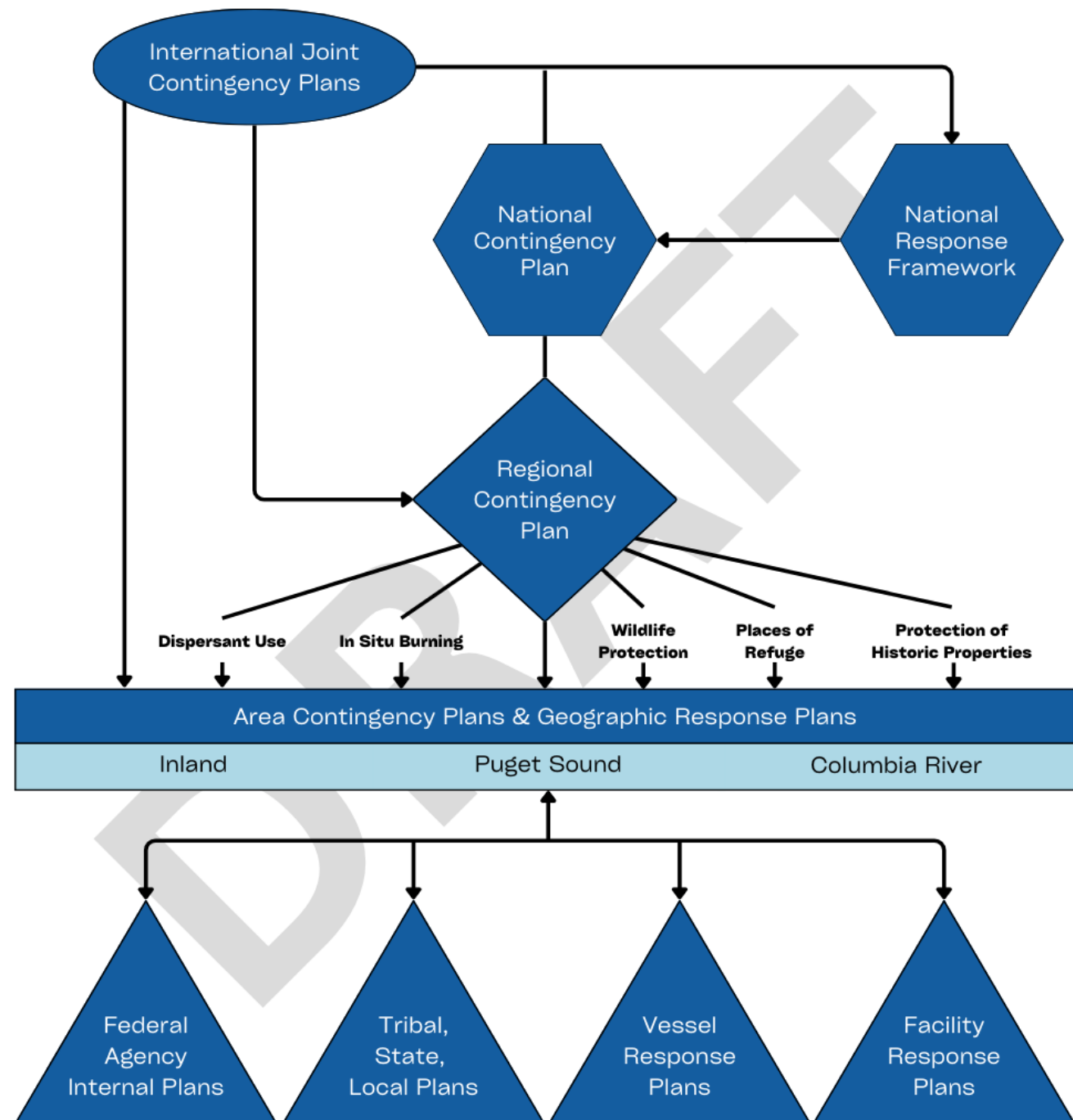
Month	Meeting	Location
January	Regionwide Planning Committee	
February	Regionwide Planning Committee	
March	Puget Sound Area Committee Meeting* RRT 10 Meeting/Area and Regional Leadership Meeting (will alternate to Columbia River Area Committee in CY2026)* Regionwide Planning Committee	Puget Sound Area of Responsibility
April	Regionwide Planning Committee	
May	Regionwide Planning Committee Columbia River Area Committee Meeting	Columbia River Area of Responsibility
June	Regionwide Planning Committee	
July	Regionwide Planning Committee	
August	Regionwide Planning Committee	
September	NW Inland Area Committee Meeting* RRT 10 Meeting/Area and Regional Leadership Meeting* Regionwide Planning Committee	Inland Area of Responsibility
October	Columbia River Area Committee Meeting Regionwide Planning Committee	Columbia River Area of Responsibility
November	Puget Sound Area Committee Meeting Regionwide Planning Committee	Puget Sound Area of Responsibility
December	Joint Area Committees Meeting Regionwide Planning Committee	Region 10 Area of Responsibility

# Plan Relationships



From 40 CFR 300.205

# Plan Relationships



# Regional Contingency Plan

- Planner Centric
- Region-wide policy issues
- Updates: RWPC

# Area Contingency Plan

- Responder Centric
- Area resources and procedures
- Updates: Area Committee



# RCP Restructure Project

- RWPC continues to work through the NWACP to RCP and coordinated plans restructure project. To date, the RWPC has reviewed Sections 1000, 2000, 3000, and 4000 and will continue this work tomorrow as we work through Section 5000 and 6000.
- During these working sessions, we decide at what planning level the information is most appropriately captured. Sometimes it is area and regional, sometimes area only.
- The purpose is to add efficiency and consistency to the plans while ensuring response planning information is captured at the appropriate level (i.e. FOSC's direction or RRT's direction).

# Progress Update: ACPs

- NW Inland, Puget Sound (PS), and Columbia River (CR) ACPs are members to the RWPC. Their updates go hand in hand with the updates to the Regional Contingency Plan.
- USCG Headquarters set a deadline for implementation of the Coastal ACP architecture by mid 2026. ACPs are making continuous progress towards this goal.
- In all areas of planning, we are focusing on progress over perfection.
- Current focus is on meeting the demands of the framework. The intention is to turn towards content updates after the new framework requirements have been met.



**Questions?**

# GRP SUBCOMMITTEE REPORT OUT





# GRP Subcommittee Update March 2025

- Darcy Bird & Don Pettit  
(Co-Chairs)
- Nora Haider





# 2024 GRP Workplan

## Improve Inland GRP Planning

- Outstanding item: 1 to 2 pager describing tools available to planners for inland river modeling (Darcy coordinating with ODEQ)

## Continue collaborating with the Tribal Engagement Subcommittee

## Work through policy gaps for GRPs in the Pacific Northwest

- Competed & waiting for area/regional plan restructuring to suggest edits to GRP policy in the PNW



# January Subcommittee Meeting- Policy Review & Informational

- **2025 Goal:** Information Sharing
- Into to GRPs in WA and OR
- Priority Table Overview
- Washington GRP “Advisory Committee” – working with contractors & other data users to develop new database structure
- Next Meeting: May 22<sup>nd</sup>
  - Potential Topics: Planning & Response around dams
  - Army Corps of Engineers involvement in boom deployments
  - OR & WA developing agenda in April





# TRIBAL ENGAGEMENT SUBCOMMITTEE REPORT OUT





# PUGET SOUND AREA COMMITTEE REPORT OUT





# PUGET SOUND AREA COMMITTEE

Report to Northwest Regional Response Team  
March 12<sup>th</sup>, 2025

# AREA COMMITTEE UPDATE

Notable initiatives within the Puget Sound Area Committee:

- ACP Restructure Process
- Spring meeting completed yesterday
- Tentative date and location of November 5<sup>th</sup>, 2025 for Fall Area Committee Meeting at Sector Puget Sound (TBD)

# AREA CONTINGENCY PLAN UPDATE

- Puget Sound Area Contingency Plan (2023)
- Plan updates:
  - Completed and signed AC charter, which outlines jurisdiction, membership and overall mission of the Area Committee.
  - Team completed an in-depth review of sections 2000, 3000, 4000. Currently in section 5000.
  - Working on regional consistency with the Columbia River Plan.

# SPECIAL ANNOUNCEMENTS

2025 Worst Case Discharge Drills in Puget Sound Planning Area:

- 5/14/25: SeaPort Sound Terminal, Tacoma
- 6/4/25: Washington State Maritime Cooperative
- 7/8/25: Kinder Morgan Liquids Terminal, Harbor Island
- 9/11/25: U.S. Oil & Refining/McChord Pipeline Co., Tacoma
- **9/24/25: Phillips 66, Tacoma**
- 10/9/25: BP Cherry Point Refinery, Cherry Point
- 10/23/25: Andeavor Anacortes Refinery, Anacortes
- 11/6/25: NRCES, South Puget Sound
- Date TBD: Alon Asphalt Company

# AREA COMMITTEE NEEDS FOR RRT10 SUPPORT

- Dispersant stockpile questions
- RRT participation for activation/notification in industry drills.

# AREA COMMITTEE CONTACTS

Contact us:

CWO Mike Rushane

Ms. Karen Denny

Dr. Natalie Lowell

# COLUMBIA RIVER AREA COMMITTEE REPORT OUT







# COLUMBIA RIVER AREA COMMITTEE

Report to Region 10 Response Team

March 12<sup>th</sup>, 2025

# AREA COMMITTEE UPDATE

Notable initiatives within the Columbia River Area Committee:

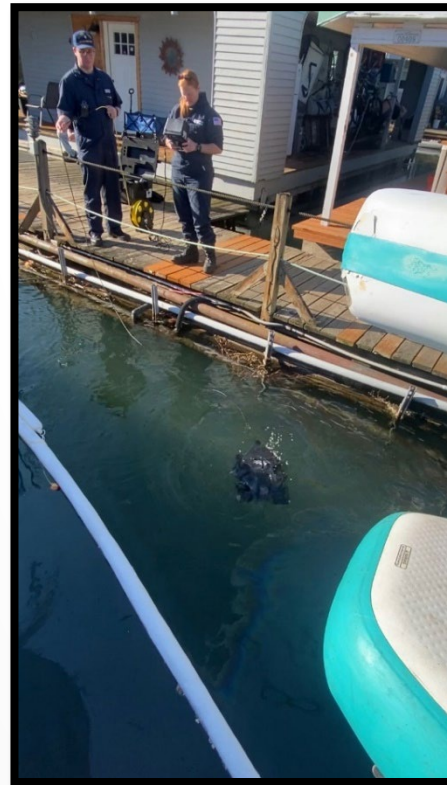
- ACP Restructure Progress
- Spring AC Meeting: 29 MAY 2025, Sector Columbia River
- Fall AC Meeting: OCT 2025

# AREA CONTINGENCY PLAN UPDATE

- SCR ACP(2021.19, Update in Progress)
- Plan updates:
  - Completed and signed AC charter, which outlines jurisdiction, membership and overall mission of the Area Committee. This document was signed on 1 October and will be included in our new ACP.
  - Team completed an in-depth review of sections 2000-5000, a significant portion of a document that spans sections 1000 – 9000.
  - Actively been working with Sector Puget Sound staff to maintain consistency across regions

# CASE SUMMARY

- **SECTOR Columbia River hosted an IMAT ICS Exercise**, resulting in 21 qualifications, enhancing readiness and proficiency.
- **Emergency Management Division conducted two tsunami road shows** at subunits, increasing preparedness for the Cascadia subduction zone among CG personnel and their families.
- **First-time deployment of CG-owned ROV** On Sunday January 26 to assess the source of a mystery sheen at Harrison Moorage, revealing significant river bottom debris, including eight 55-gal steel drums. IMD opened the OSLTF for removal and disposal, and all five corroded drums were safely recovered, mitigating potential environmental threat.



# SPECIAL ANNOUNCEMENTS

- June 3, 2025 – NuStar Energy Worst Case Discharge (Vancouver, WA)

# AREA COMMITTEE NEEDS FOR RRT 10 SUPPORT

- Updates to Subpart J and impacts to current stockpiles of dispersants.
- Provide path forward for RCP Annexes/Tools/Resources common to both ACPs
- Scheduling RRT activations for 2025

# AREA COMMITTEE CONTACTS

## USCG:

Jacqueline Hunnicutt, Lieutenant Commander  
[jacqueline.f.hunnicutt@uscg.mil](mailto:jacqueline.f.hunnicutt@uscg.mil)

Jacob Haas, Ensign  
[jacob.j.haas@uscg.mil](mailto:jacob.j.haas@uscg.mil)

Brian O'Neil, CWO2  
[brian.p.o'neil@uscg.mil](mailto:brian.p.o'neil@uscg.mil)

[d13-smb-seccolrvr-areacommittee@uscg.mil](mailto:d13-smb-seccolrvr-areacommittee@uscg.mil)

## WA ECY:

Karen Denny  
[karen.denny@ecy.wa.gov](mailto:karen.denny@ecy.wa.gov)

Erica Bates  
[erica.bates@ecy.wa.gov](mailto:erica.bates@ecy.wa.gov)

## OR DEQ:

Don Pettit  
[don.pettit@deq.oregon.gov](mailto:don.pettit@deq.oregon.gov)

Wes Risher  
[wes.risher@deq.oregon.gov](mailto:wes.risher@deq.oregon.gov)





# NW INLAND AREA COMMITTEE REPORT OUT





# NW Inland Area Committee

Report to NW Regional Response Team  
March 12, 2025

Mary Goolie, [Goolie.Mary@epa.gov](mailto:Goolie.Mary@epa.gov)





# Area Committee Update

## Notable Initiatives

Upcoming meeting:

- 9/23/25, 9 am to 12 pm at Ecology Office in Spokane





# Area Contingency Plan Update

- **Administrative:**
  - Inland Area Contingency Plan currently being drafted.
  - Projected completion in 2026
- **Plan Updates:**
  - Revisions will be made using the Sponsorship Model and will align with Coastal ACPs where possible

# Keechelus Lake Gasoline Spill

- Snoqualmie Pass, WA
- December 7, 2024
- Response Actions Summary:
  - Tanker truck overturned on I-90 spilling 3,602 gallons of gasoline to a storm drain leading to Keechelus Lake
  - UC was formed by the RP, EPA, WA Ecology, Yakama Nation, and USBR
- Next Steps:
  - Lake bed will continue to be monitored as the lake level rises through spring



December 2025: Aerial image of Keechelus Lake response efforts



# Cosmo Specialty Fibers Emergency Response

- Cosmopolis, Washington
- September - October 2024
- **Response Actions Summary:**
  - CERCLA and OPA emergency response at non-operational pulp mill adjacent to the Chehalis River ecosystem
  - EPA-led action to reduce actual and threat of releases to the environment
  - Close coordination with multiple agencies (Ecology, L&I, DOH, Grays Harbor County, local EMS).
  - Removal of ~70K gallons fuel oil, 7,500 pounds of hazardous substances, pollutants, and/or contaminants
- **Enforcement Actions**
  - Unilateral Administrative Order
- **Next Steps**
  - EPA oversight/enforcement
  - Coordination with partners
  - Site security







# Special Announcements:

- Proposing Capacity Building Outreach and Training:
  - June 9 -14, 2025: Idaho HAZMAT Week June
- Upcoming exercises:
  - June 13, 2025: SW Idaho Rail Incident



# Needs Requiring RRT10 Support

- Emerging contaminants: 6PPD, 6PPD-quinone
- After-actions from California Wildfires
- Lithium-ion batteries response procedures and knowledge gaps



# Area Committee Contacts

**EPA:** Mary Goolie, [Goolie.Mary@EPA.gov](mailto:Goolie.Mary@EPA.gov)

**WA Ecology:** Eric Bates, [Erica.Bates@ecy.wa.gov](mailto:Erica.Bates@ecy.wa.gov)

**OR DEQ:** Don Pettit,

[Don.Pettit@deq.Oregon.gov](mailto:Don.Pettit@deq.Oregon.gov)

**IOEM:** Sarah Cerda, [scerda@imd.Idaho.gov](mailto:scerda@imd.Idaho.gov)

**IDEQ:** Dean Ehlert, [Dean.Ehlert@deq.Idaho.gov](mailto:Dean.Ehlert@deq.Idaho.gov)

**Makah:** Natalie Lowell,

[NatalieLowell@gmail.com](mailto:NatalieLowell@gmail.com)

**CTCLUSI:** Sarah Hardistry, [shardisty@ctclusi.org](mailto:shardisty@ctclusi.org)





# AREA COMMITTEE REQUESTS FOR SUPPORT:

<b>Puget Sound</b>	Dispersant stockpile questions
	RRT participation for activation/notification in industry drills
<b>Columbia River</b>	Updates to Subpart J and impacts to current stockpiles of dispersants
	Scheduling RRT activations for 2025
<b>NW Inland</b>	Emerging contaminants: 6PPD, 6PPD-quinone
	After-actions from California Wildfires
	Lithium-ion batteries response procedures and knowledge gaps



Please don't forget to  
**SIGN IN**

# LUNCH

Meeting will restart at 1:15 PM.

If you want to offer an agency comment, sign up in “Chat” or the sign-up sheet located in the room.

Must sign up by the end of this lunch break.

# WELCOME BACK

## Meeting Sign-In



<https://rrt10nwac.com/>

# AFTERNOON AGENDA

- 1:15**                **RRT MEMBER SPOTLIGHT: DOC/NOAA/NWS CONOPS W/ USCG**
- 1:45**                **NOAA OLYMPIC COAST NATIONAL MARINE SANCTUARY (OCNMS)**
- 2:15**                **NOS MARINE DEBRIS PROGRAM AND MAKAH REMOVAL WORK**
- 2:30 - 2:45 BREAK**
- 2:45**                **STAKEHOLDER INPUT LETTERS – WORKER AND PUBLIC HEALTH  
& SAFETY, RCAC, AND SUBPART J**
- 3:15**                **OTHER AGENCY COMMENTS**
- 13:45**               **FINAL COMMENTS & CLOSING REMARKS**

# **RRT MEMBER SPOTLIGHT: DOC/NOAA/NWS CONOPS W/ USCG**



**Your**

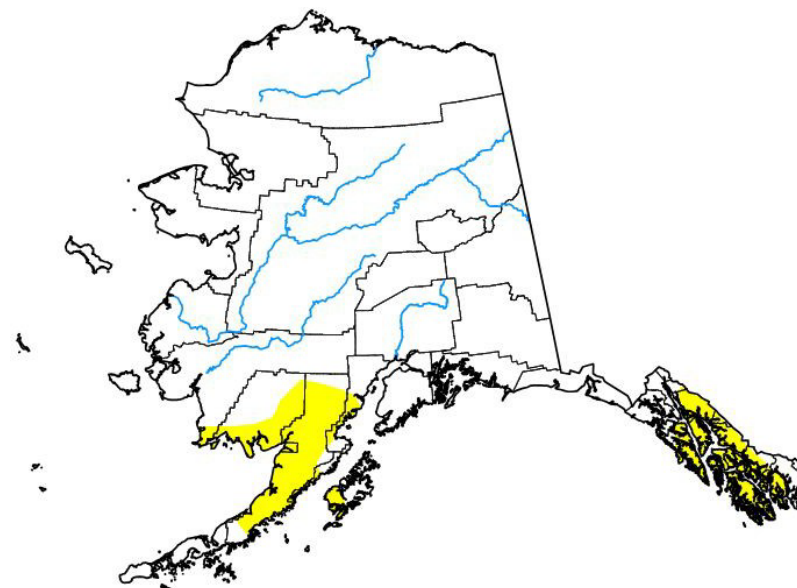
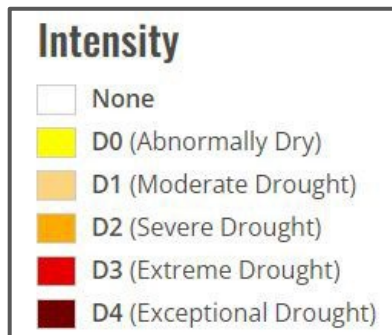
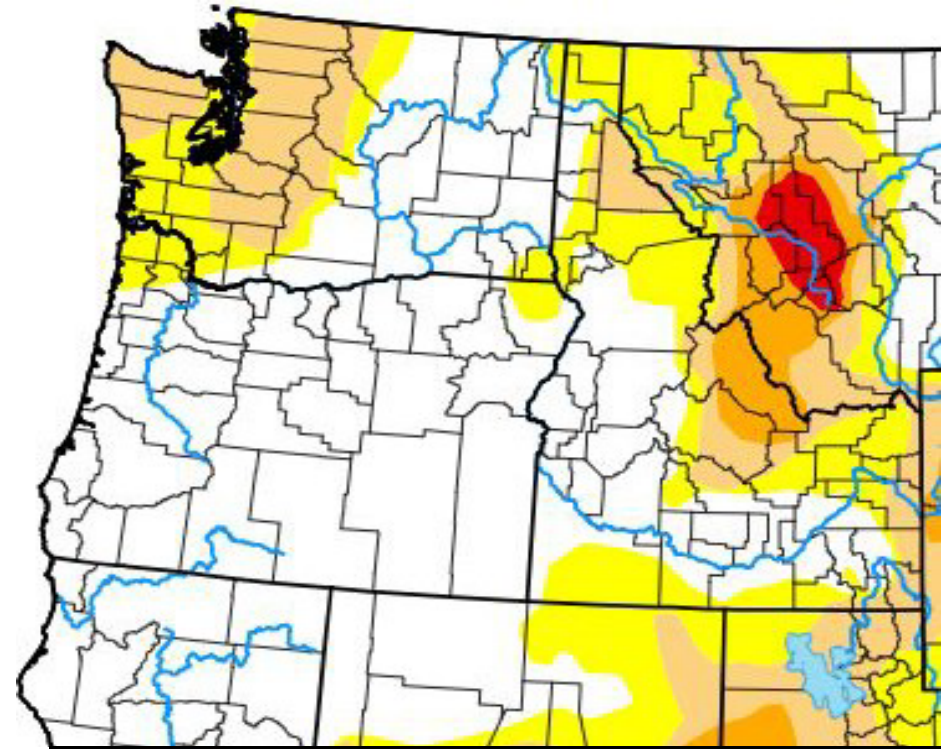


**in**

**Western  
Region**

**Trevor Boucher**

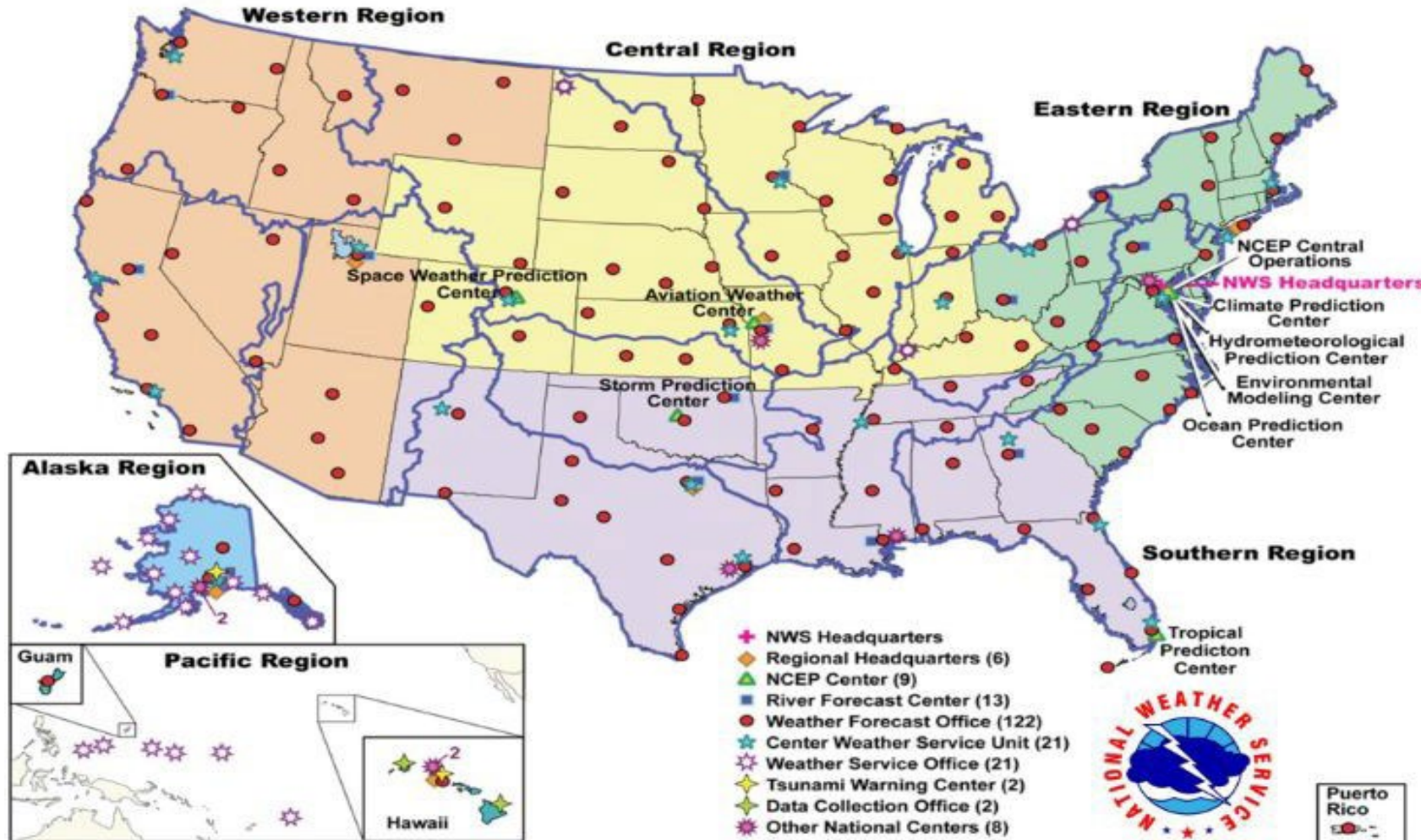
Regional Response and  
Preparedness Specialist





# NWS

OFFICES COVERING the U.S.A



- 122 Forecast Offices to reduce impacts of weather, climate, and water events
- We provide Decision Support Services for multitude of partners, agencies, and sectors.
- Provide those services by harnessing latest science, technology, and delivery methods.

Our service is  
customized for  
**YOUR**  
needs.

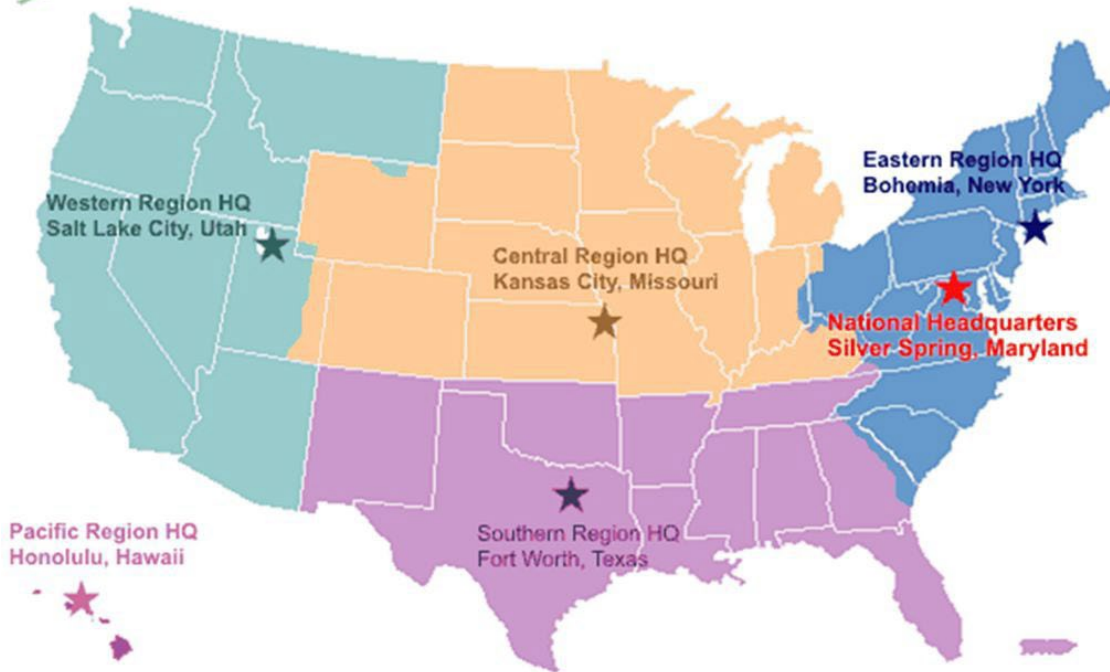


# NWS Organizational Structure



Alaska Region HQ  
Anchorage, Alaska

## NWS Regions



Western Region HQ  
Salt Lake City, Utah

Central Region HQ  
Kansas City, Missouri

Eastern Region HQ  
Bohemia, New York

National Headquarters  
Silver Spring, Maryland

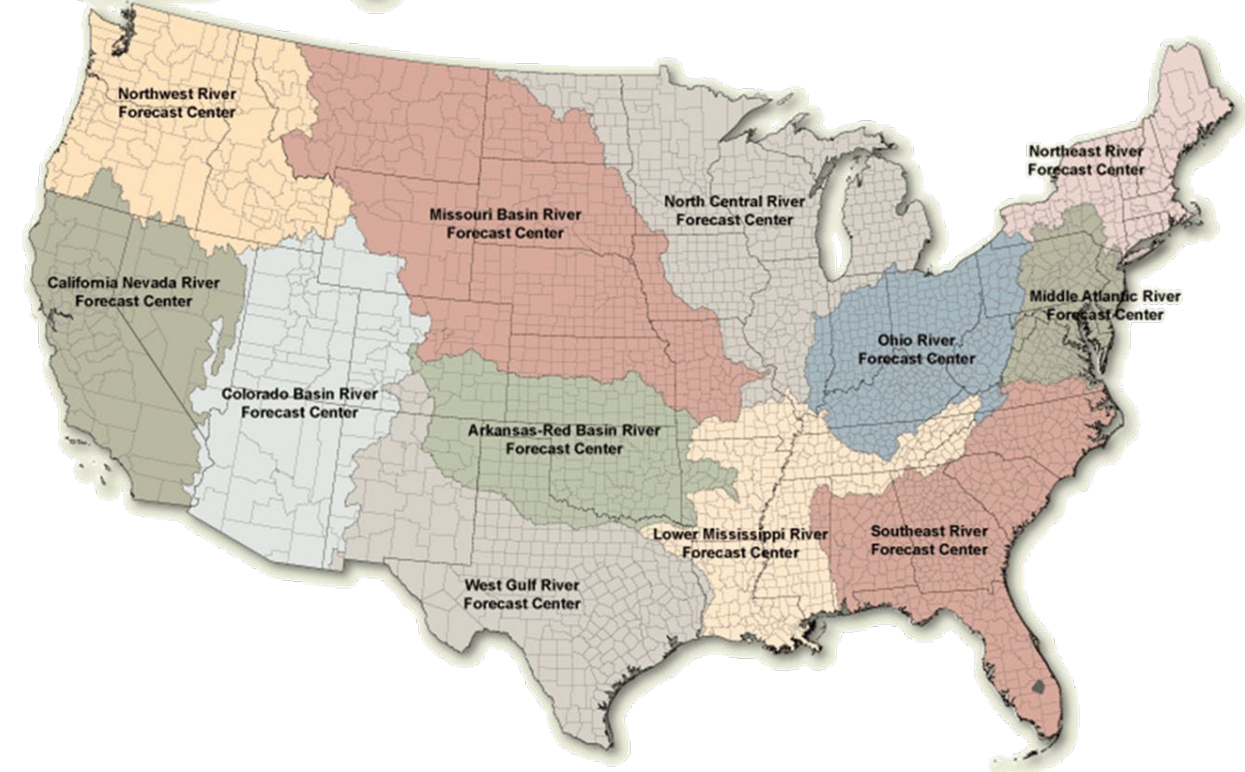
Southern Region HQ  
Fort Worth, Texas

Pacific Region HQ  
Honolulu, Hawaii



Alaska-Pacific River  
Forecast Center

## River Forecast Centers



Northwest River  
Forecast Center

California Nevada River  
Forecast Center

Colorado Basin River  
Forecast Center

West Gulf River  
Forecast Center

Lower Mississippi River  
Forecast Center

Southeast River  
Forecast Center

Missouri Basin River  
Forecast Center

North Central River  
Forecast Center

Ohio River  
Forecast Center

Northeast River  
Forecast Center

Middle Atlantic River  
Forecast Center

Arkansas-Red Basin River  
Forecast Center



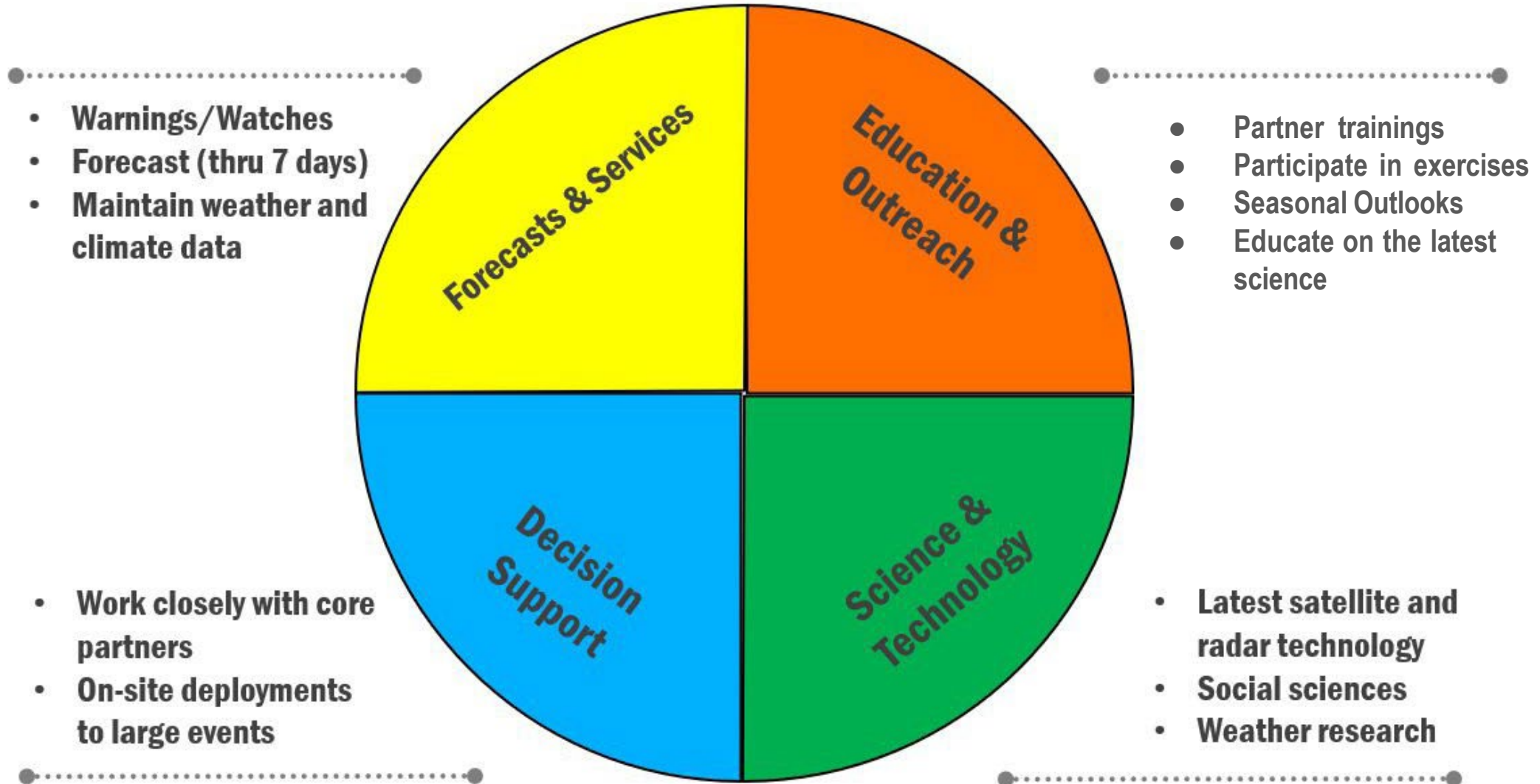
# Local Weather Forecast Offices

A map of the United States, including Alaska, Hawaii, Guam, and Puerto Rico, showing the locations of Local Weather Forecast Offices. The map is color-coded by region, with each office area labeled with its name. The offices are distributed across the entire country, from Fairbanks in Alaska to Miami in Florida, and from Seattle in the Pacific Northwest to New York City in the Northeast.

## Hawai'i

## Puerto Rico

# WHAT DO WE DO?



# Impact-Based Decision Support Services



Our forecasts  
& warnings:  
confidence,  
context, social  
science



Trusted  
connections with  
decision-making  
partners: tabletops,  
feedback, engagement



Actionable  
Environmental  
Intelligence.  
**Impact-Based  
Decision Support  
Services**





# NWS Services to Support Partner Agencies

- Forecasts, watches, warnings, advisories, hydrological support
- Terminal Aerodrome Forecasts for airports and general aviation, transportation support for hazardous weather and avalanches
- Fire weather decision support for wildfires & prescribed burns; IMETs
- Marine and Ocean weather predictions; Space weather predictions
- Support large outdoor events: festivals, Super Bowl and other sports, concerts
- Hazardous incidents including HAZMAT, aviation/railway accidents, major disaster events (hurricanes, tsunamis, wildfires, severe weather, dam break)





# Weekly Email Briefings

## CONUS FEMA Region X Key Points

Regional Operations Center  
Western Region  
Monday, May 9

### Monday - Sunday:

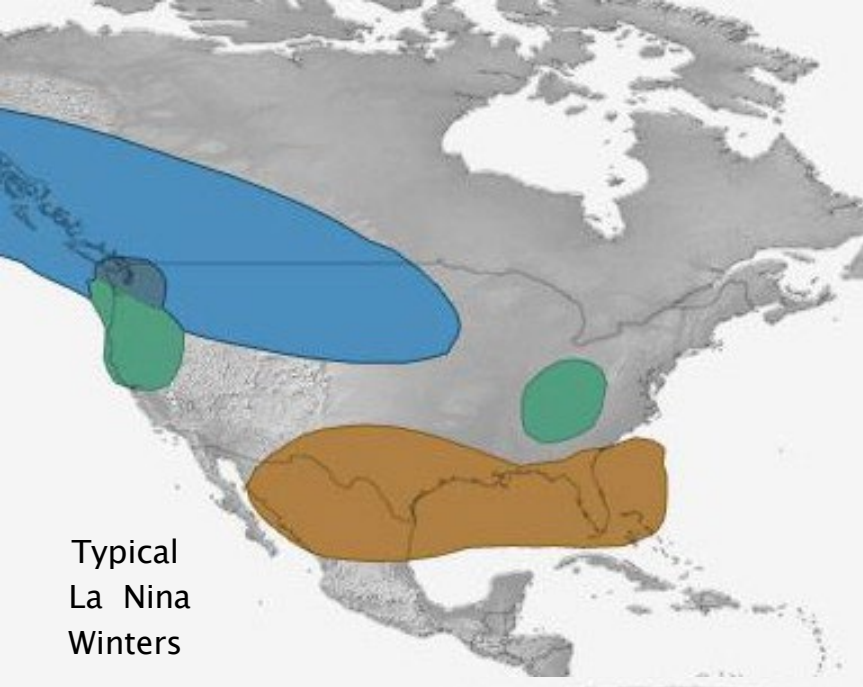
- Cool and showery conditions are expected through Friday, with drier and warmer weather returning for the weekend
  - No widespread weather impacts are currently expected, however snow levels down to 2,500 feet through Tuesday may bring some localized travel impacts due to light snow accumulation
  - A few thunderstorms are also possible at times, which could result in brief periods of locally heavier precipitation
  - Breezy conditions will also be noted over portions of Idaho Wednesday through Friday

Weather Risk Outlook		Regional Operations Center Western Region Monday, May 9					
	Mon, May 9	Tue, May 10	Wed, May 11	Thu, May 12	Fri, May 13	Sat, May 14	Sun, May 15
<b>Thunderstorms</b> Wind / Hail / Tornadoes	WA/OR/ID	OR/ID	ID				
<b>Heat</b>							
<b>River Flooding</b>	Breakup Major Rivers AK	Breakup Major Rivers AK	Breakup Major Rivers AK	Breakup Major Rivers AK	Breakup Major Rivers AK	Breakup Major Rivers AK	Breakup Major Rivers AK
<b>Wind</b>	Mainland AK	Mainland AK	Southern ID	Southern ID; N. Slope AK	ID		N. Slope AK
<b>Heavy Rain</b> Flash Flooding / Debris Flow							
<b>Snow</b>	Cascades, ID; Mainland AK	Northern ID; E. Interior AK	Mainland AK	Cascades; N. Slope & E. Interior AK	ID, Mtns. S. Central AK		N. Slope AK
<b>Dense Fog</b>							
<b>Marine / Coastal Flooding</b>		W. Gulf of AK				E. Gulf of AK	E. Gulf of AK; Bering Sea
<b>Volcano Lahars / Ashflows</b>	3 AK in "Watch"						
<b>Risk Levels</b>	Little to None	Minor	Moderate	Major	Extreme		

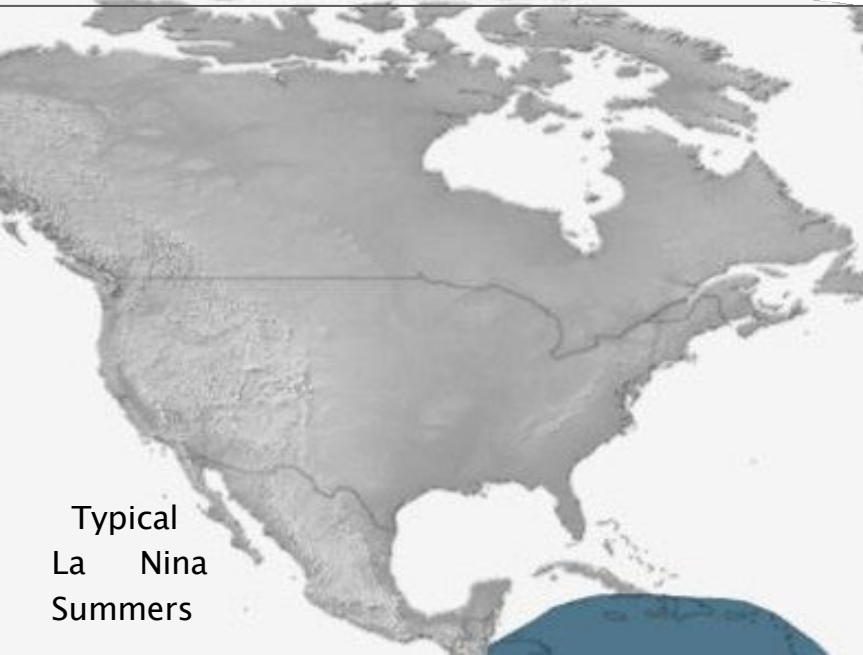
Not receiving these emails?

Please let us know and we would be happy to add you!

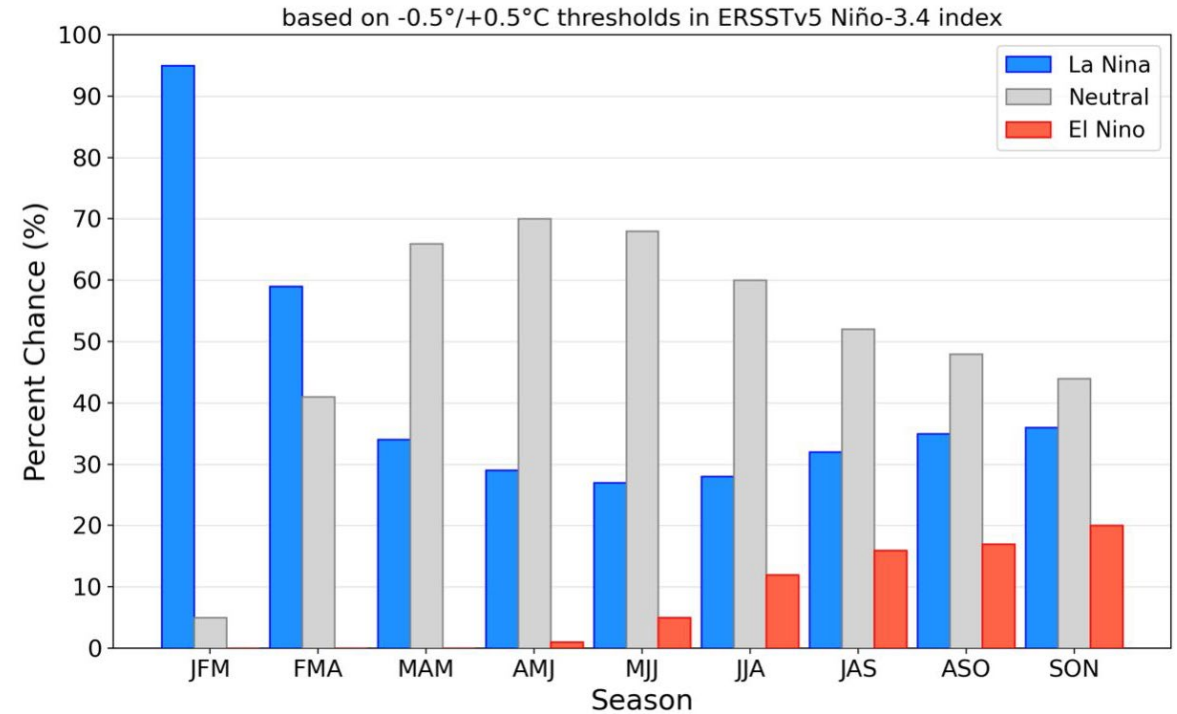




■ Warm and dry
 ■ Warm and wet
 ■ Cool and wet



## Official NOAA CPC ENSO Probabilities (issued February 2025)



## What does this mean for Region X?

### The truth is, it's hard to say...

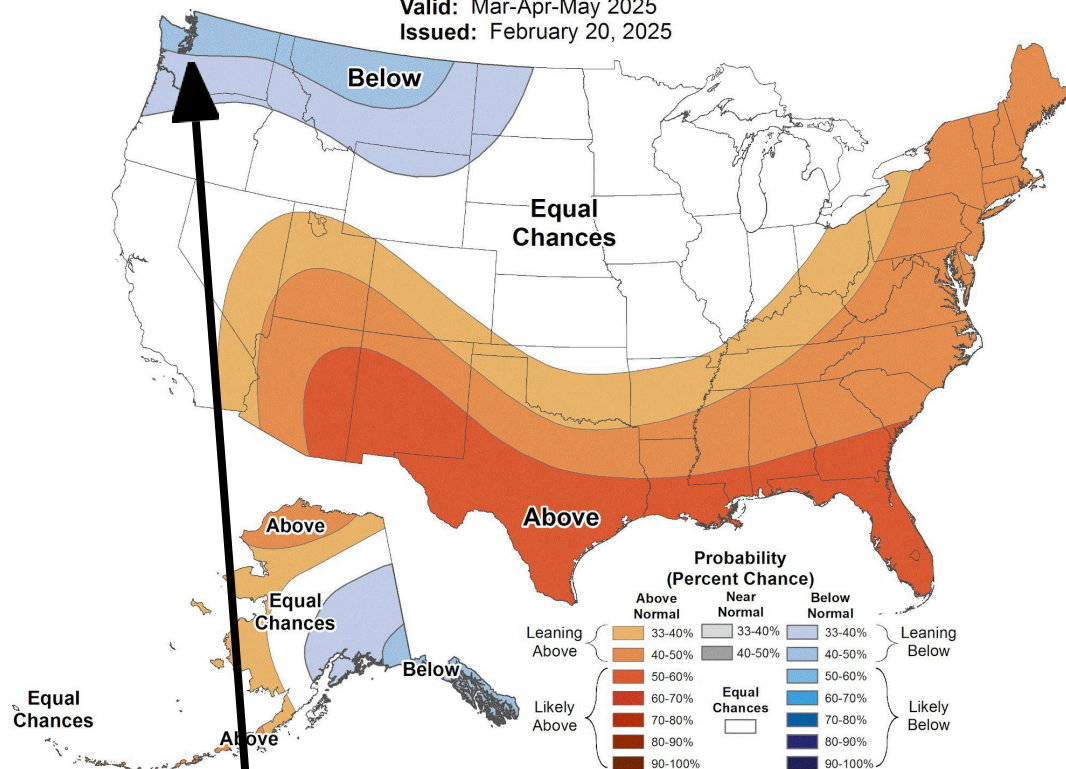
The **stronger** the La Nina event, the more likely that trends like the ones seen on the left occur. **Weaker** La Nina's like we are seeing and could see moving forward, means there is **very little certainty** on what seasonal implications we can expect to see.



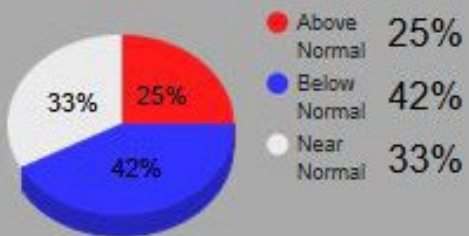
# Seasonal Temperature Outlook



Valid: Mar-Apr-May 2025  
Issued: February 20, 2025



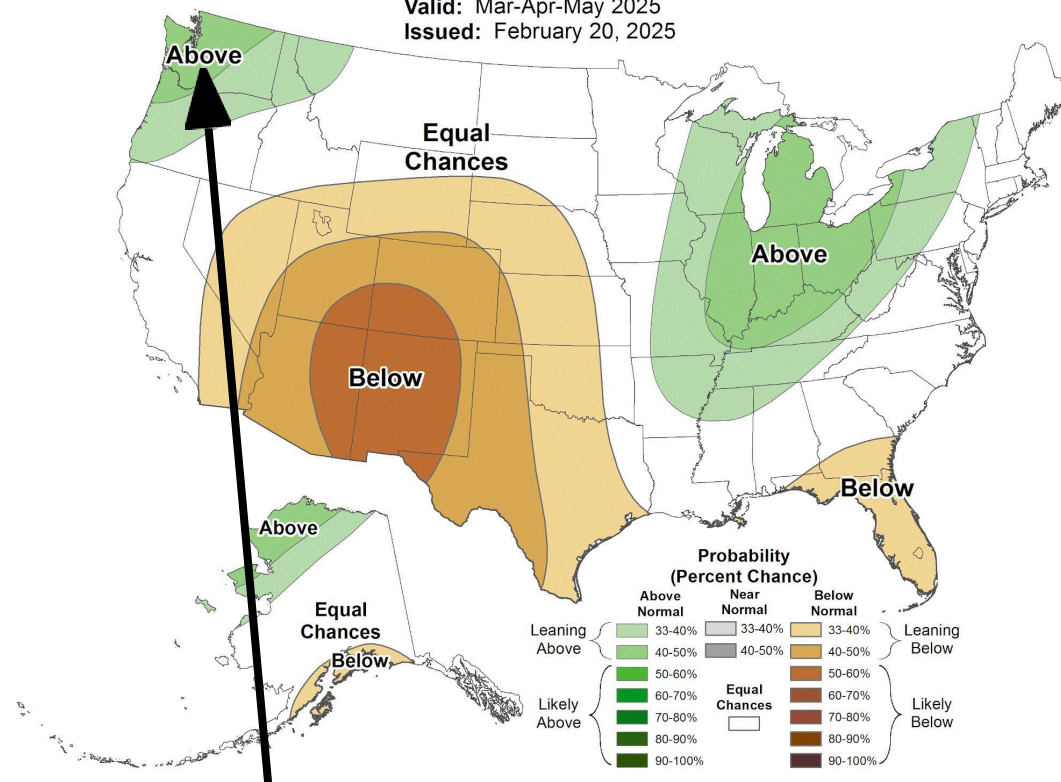
Three Category Temperature Outlook  
Normal Maximum Temperature: **59**  
Normal Minimum Temperature: **42**



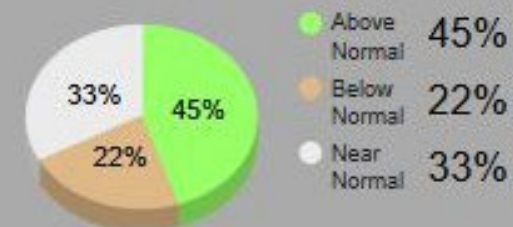
# Seasonal Precipitation Outlook



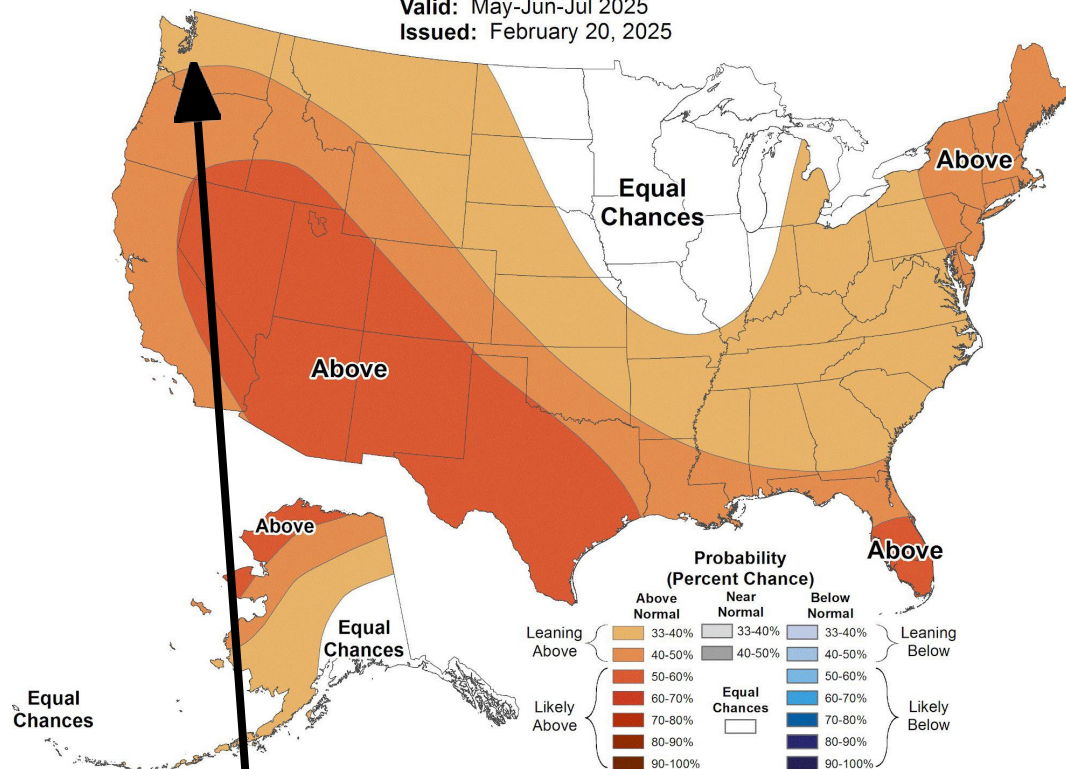
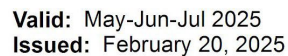
Valid: Mar-Apr-May 2025  
Issued: February 20, 2025



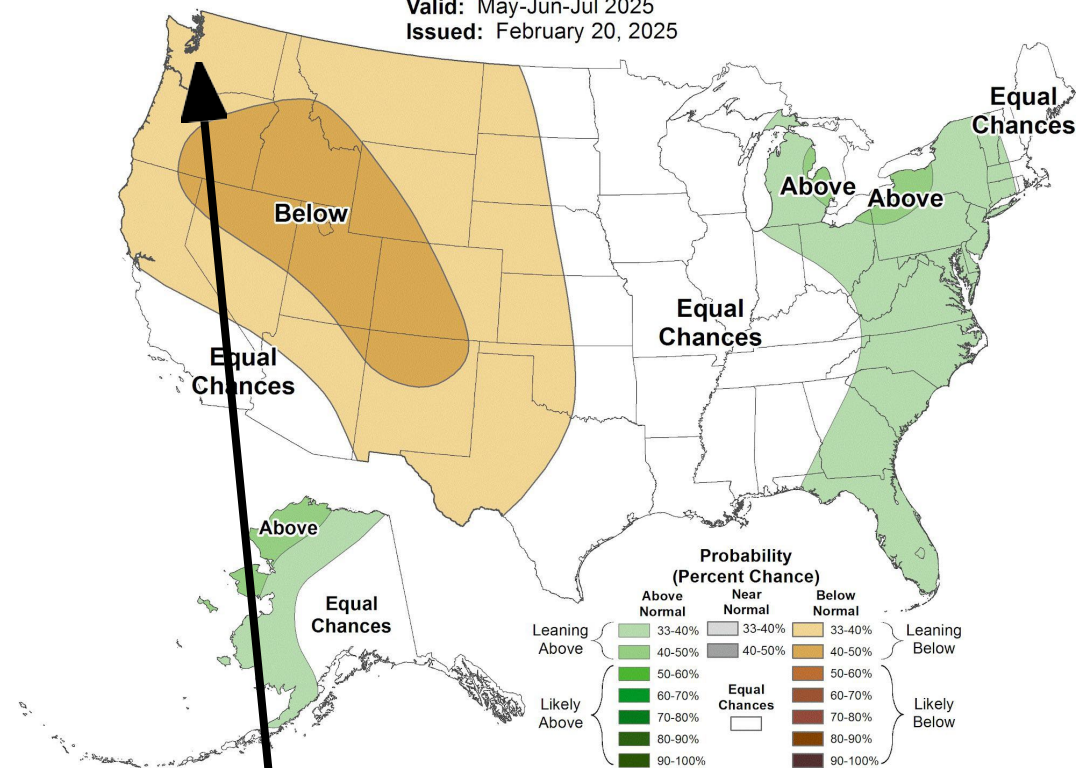
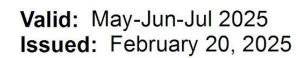
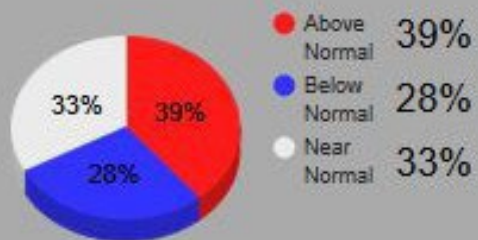
Three Category Precipitation Outlook  
Normal Precipitation: **8.53**



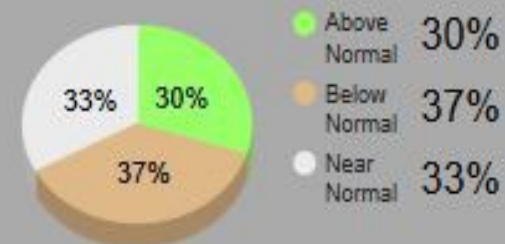




Three Category Temperature Outlook  
Normal Maximum Temperature: **70**  
Normal Minimum Temperature: **51**



Three Category Precipitation Outlook  
Normal Precipitation: **4.36**



## Play at home!





## **Disclaimer:**

Seasonal Outlooks are a **blurry** look at the future and **shouldn't** be used to make specific tactical decisions.

# ***The NWS Handy Flow Chart***

***Immediate weather support?***

**Western Region**  
Regional Operations Center  
(801) 524-7907  
[wr.roc@noaa.gov](mailto:wr.roc@noaa.gov)

**Alaska Region**  
Regional Operations Center  
907-266-5199  
[ar.roc@noaa.gov](mailto:ar.roc@noaa.gov)

**NO?**

***Anything else?***

*(exercise, planning, meetings, etc.)*

**Trevor Boucher**  
Regional Response &  
Preparedness Specialist  
702-909-2137  
[trevor.boucher@noaa.gov](mailto:trevor.boucher@noaa.gov)







# **NEW: USCG/NWS CONOPS Plan!**

---

## **National Weather Service CONOPS for Products, Impact-based Decision Support Services, and Training/Outreach to the U.S. Coast Guard**

**13 September, 2022<sup>1</sup>**

### **Table of Contents**

**Overview**

**Goals**

**Cross-Organizational Responsibilities and Collaboration**

**Weather Forecasting Products**

**Observations**

**Impact-based Decision Support Services**

**Training/Outreach**

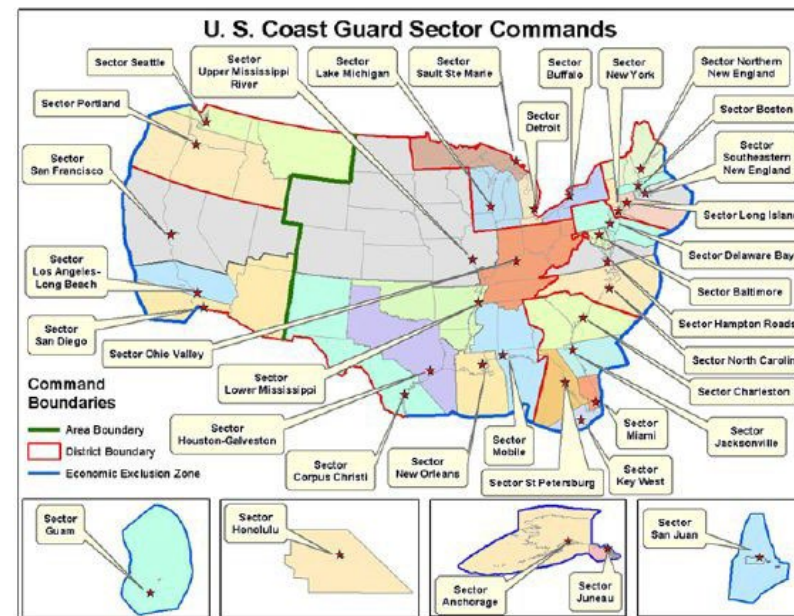
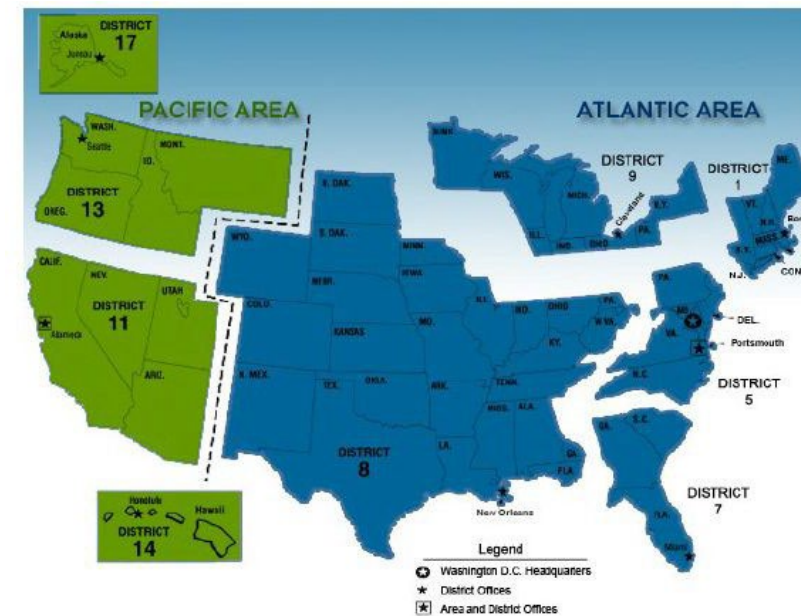
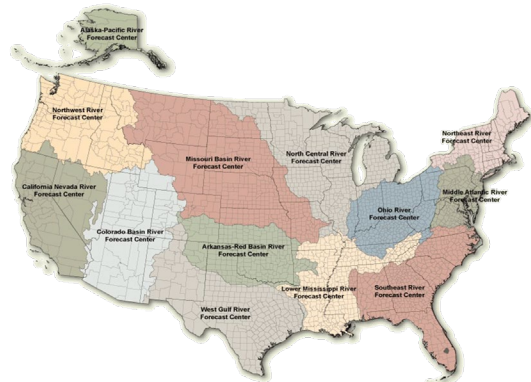
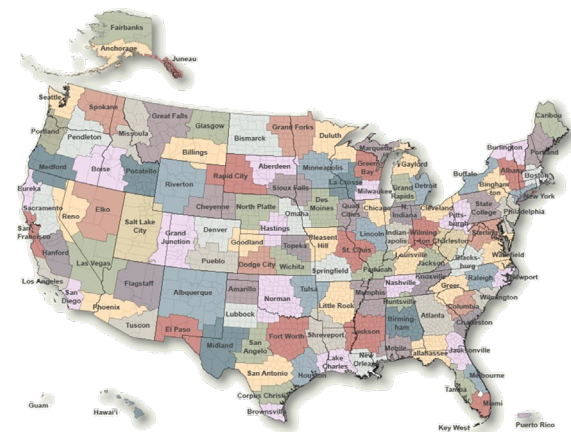
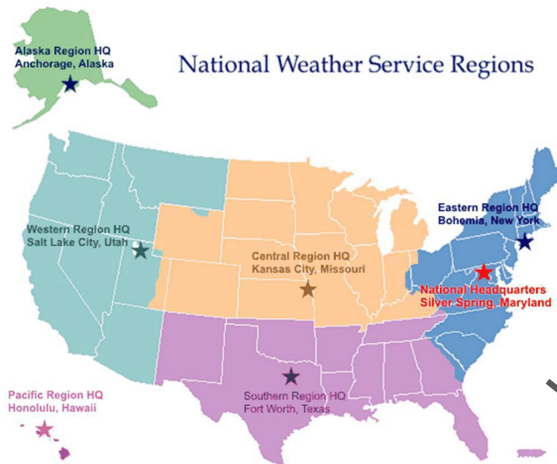
**Summary**

**Appendix A: Mapping of U.S. Coast Guard Facilities to National Weather Service Offices**

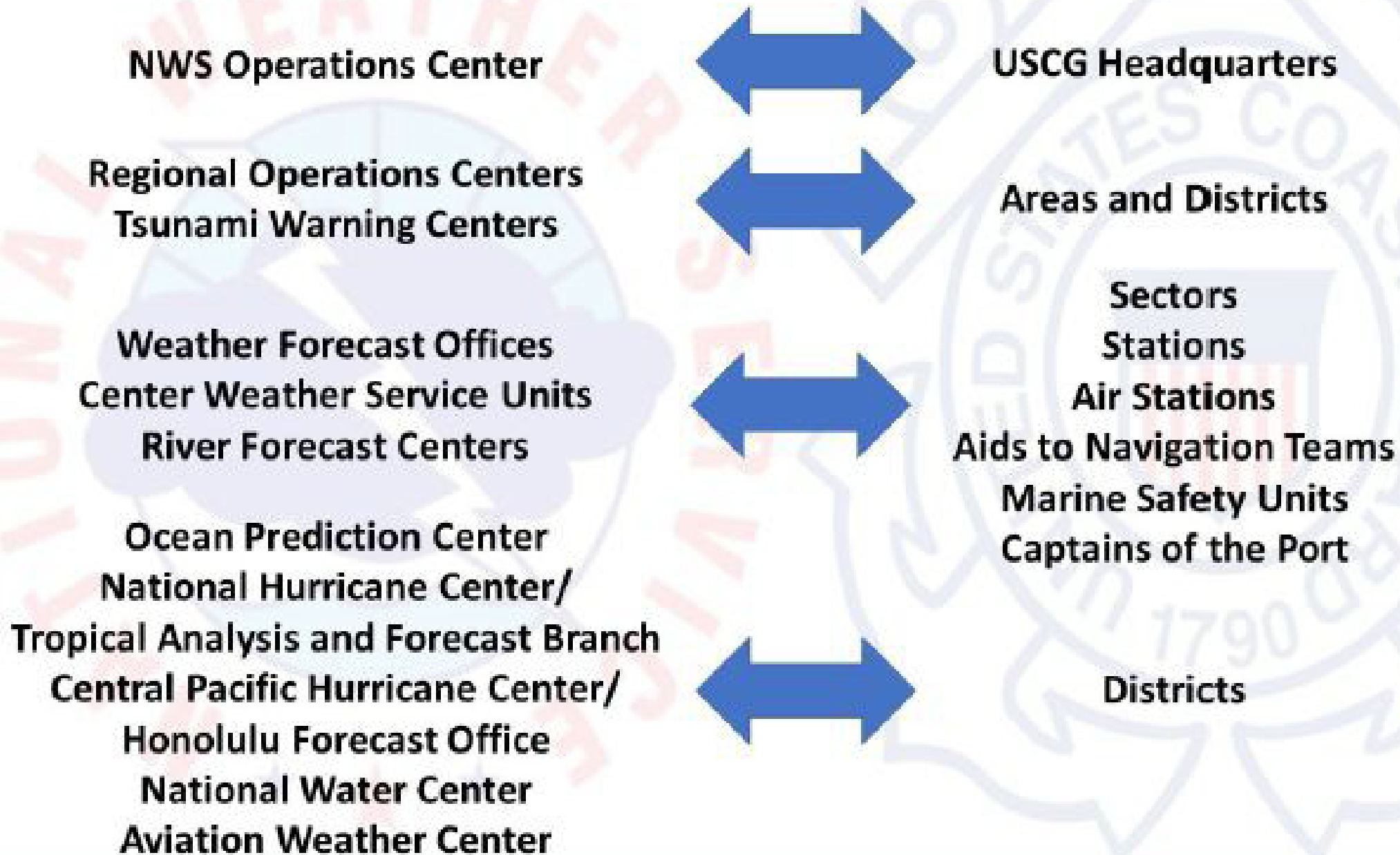
**Appendix B: National Weather Service Products**

---

<sup>1</sup> This document was developed by William Ahue, Allison Allen, Chris Birchfield, John Bravender, John Cannon, Scott Carpenter, Eric Christensen, Katherine Edwards, Darin Figurskey, Rebecca Heim, Brian Hirsch, Melissa Huffman, Liz Vickery, Chip Kasper, David Kochevar, John Kuhn, Brian Kyle, Chris Landsea, Eric Lau, Jeff Lorens, Summer Ohlendorf, David Snider, Matt Solum, Suzanne Van Cooten, Wayne Weeks, Reid Wolcott, and Darren Wright.



## National Weather Service Offices Responsive to U.S. Coast Guard Assets







# Questions?

**Trevor Boucher**

Regional Response and  
Preparedness Specialist

National Weather Service Western Region HQ





# NOAA OLYMPIC COAST NATIONAL MARINE SANCTUARY (OCNMS)





NATIONAL MARINE  
**SANCTUARIES**

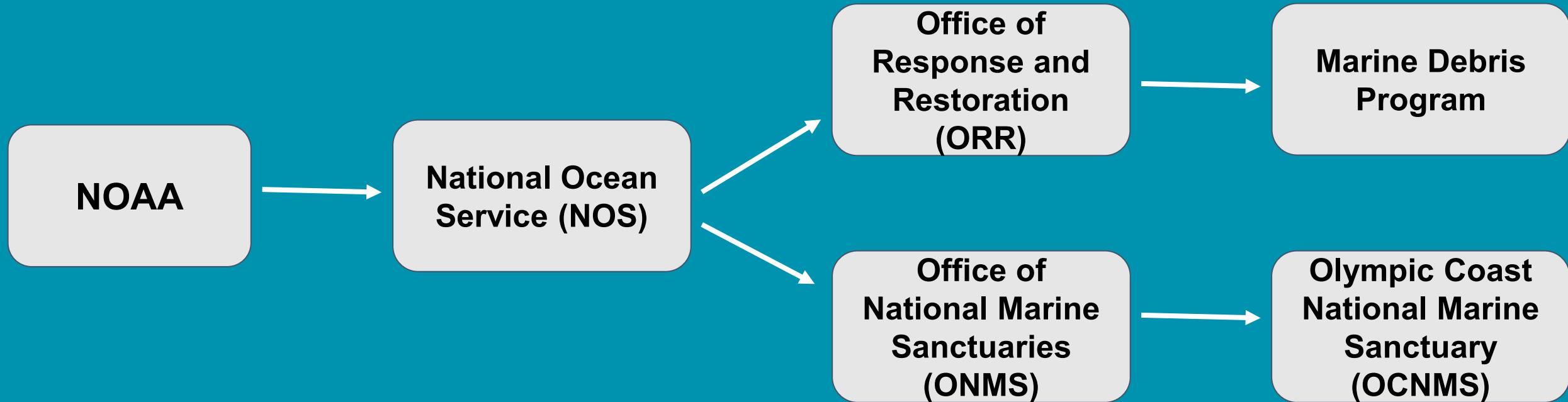




# OLYMPIC COAST NATIONAL MARINE SANCTUARY

Hélène Scalliet, Deputy Superintendent, [helene.scalliet@noaa.gov](mailto:helene.scalliet@noaa.gov)  
Katie Wrubel, Resource Protection Specialist, [katie.wrubel@noaa.gov](mailto:katie.wrubel@noaa.gov)

# NOAA AND OLYMPIC COAST



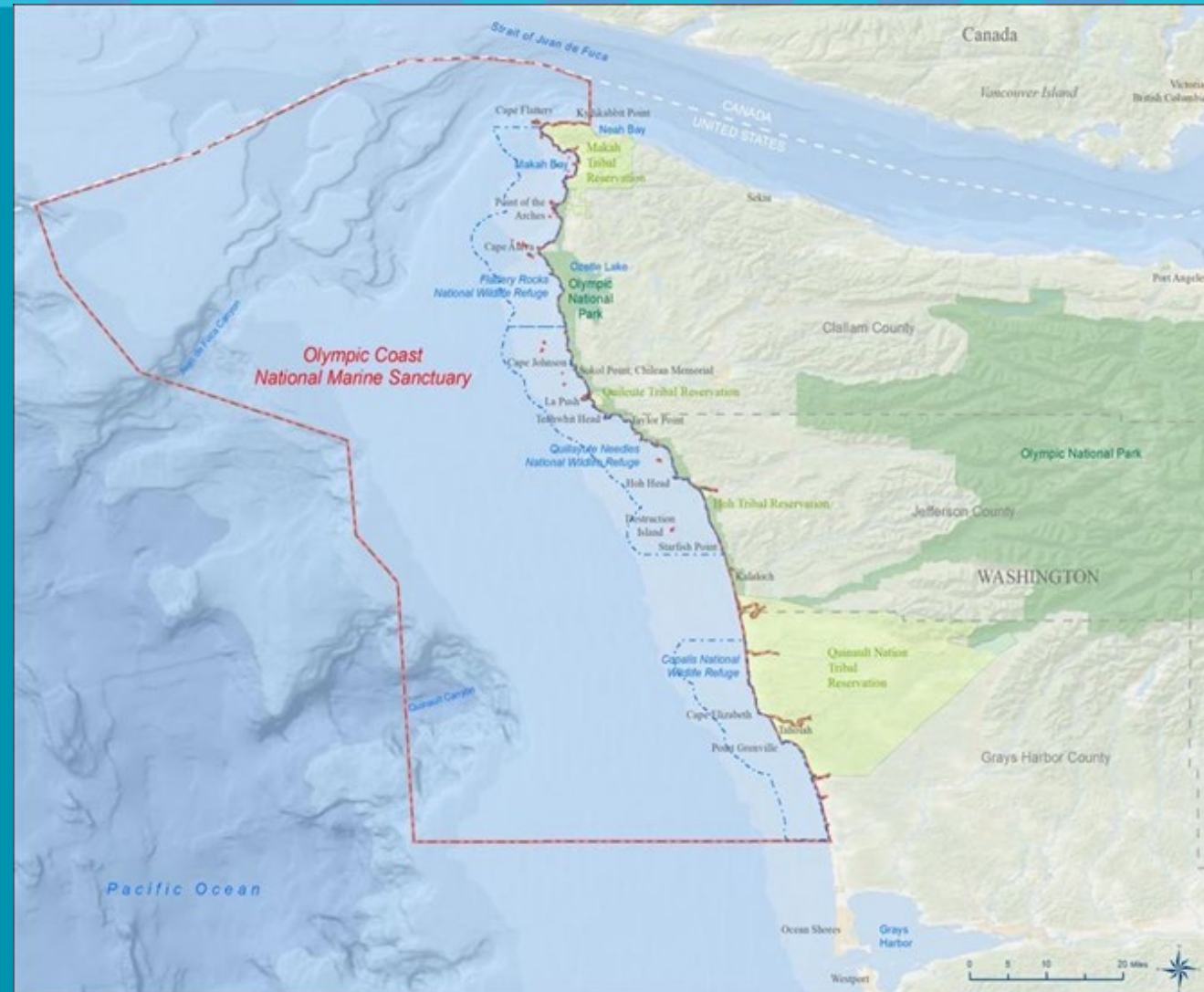




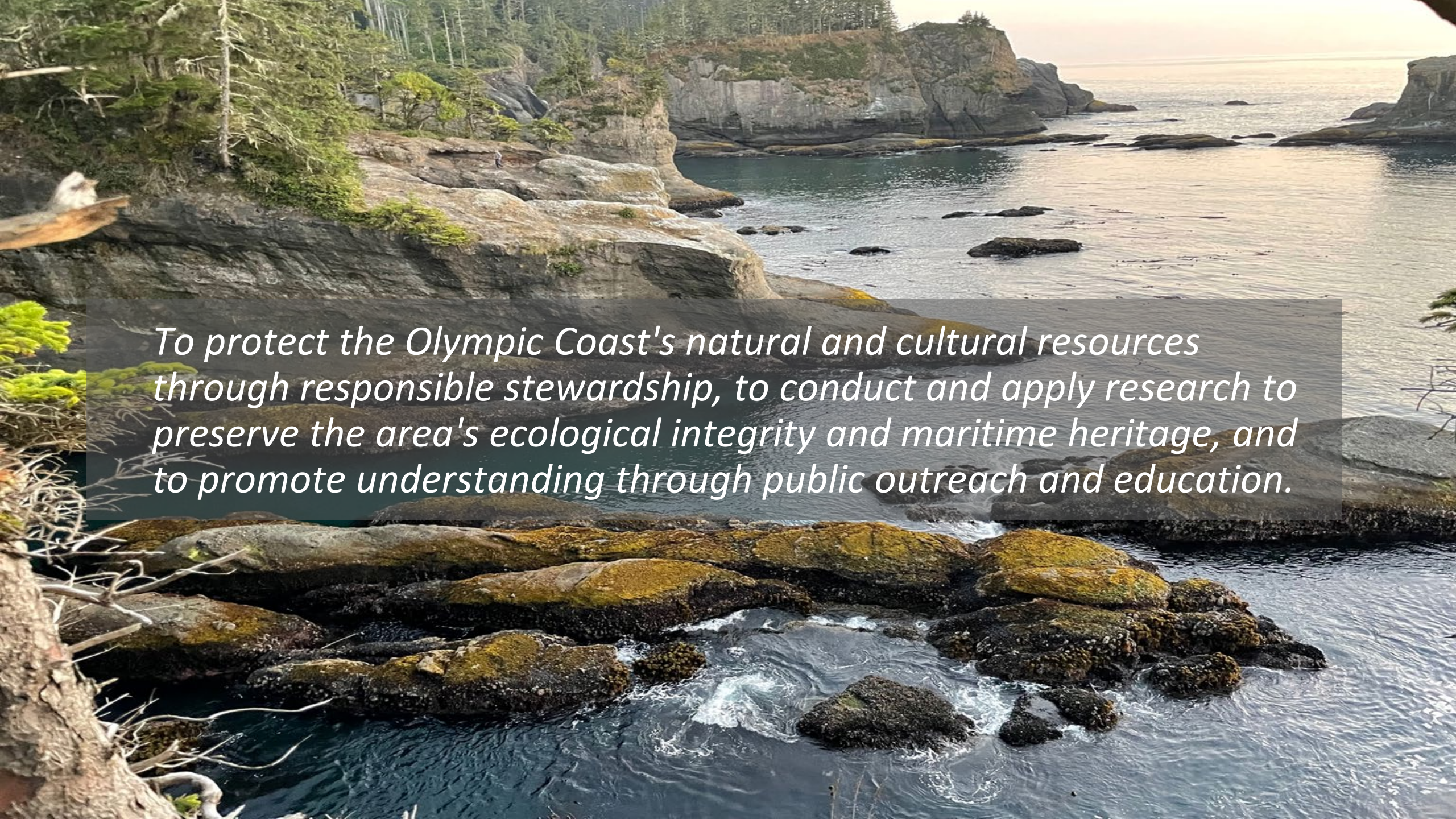


# OLYMPIC COAST NATIONAL MARINE SANCTUARY

- Olympic Coast was established in 1994 and spans 3,188 square miles off the Olympic Peninsula of Washington state
- Protects thriving intertidal zones, kelp forests, and deep-sea communities
- Within usual and accustomed fishing areas of the Hoh Tribe, Makah Tribe, Quileute Tribe, and the Quinault Indian Nation (Coastal Treaty Tribes)





A scenic view of the Olympic Coast. In the foreground, dark, moss-covered rocks are partially submerged in the water, with small waves crashing against them. The middle ground shows a steep, rocky cliff face with patches of green moss and small plants. A dense forest of evergreen trees covers the top of the cliff. The ocean extends to the horizon, where the sun is setting, casting a warm, golden glow over the water and sky. The overall atmosphere is serene and majestic.

*To protect the Olympic Coast's natural and cultural resources through responsible stewardship, to conduct and apply research to preserve the area's ecological integrity and maritime heritage, and to promote understanding through public outreach and education.*



# COASTAL TREATY TRIBES



- Government-to-government relationships with formal and informal engagement
- Intergovernmental Policy Council created in 2007
- Seats on Sanctuary Advisory Council
- Coordinate and collaborate on sanctuary reports and management plans, research priorities, resource protection initiatives, and education and outreach programs





# MAKAH TRIBE



- Consultations & permits
- Resource Protection
- Research collaborations
- Education and Outreach
- Makah cooperative interpretive program



# OLYMPIC COAST NATIONAL MARINE SANCTUARY

The following activities are prohibited within Olympic Coast National Marine Sanctuary, with some exceptions, such as emergency response (**15 CFR 922 Subpart O**):

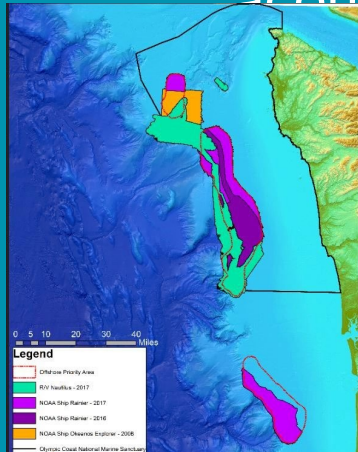
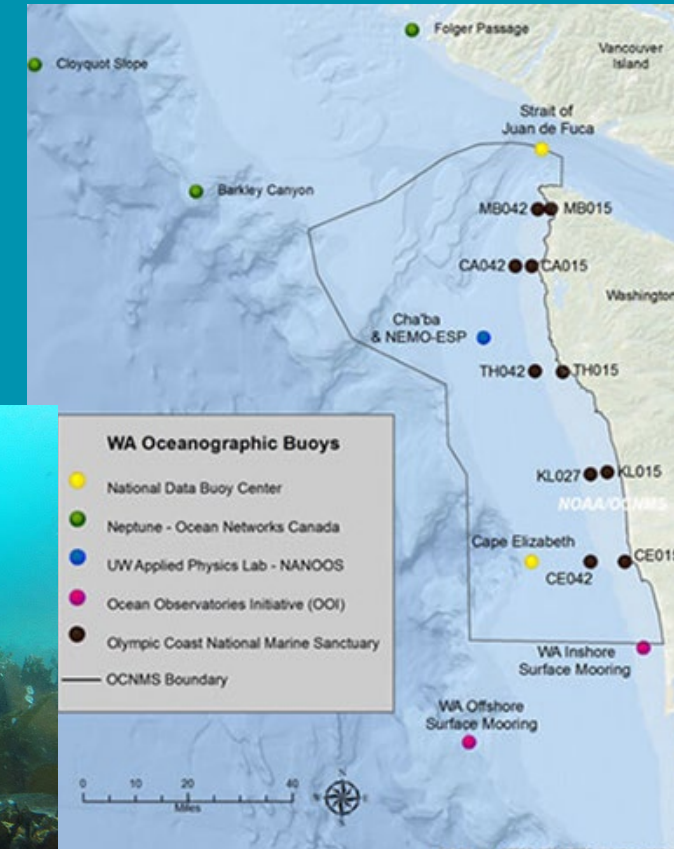
- Exploring for or developing oil or mineral resources
- Moving, removing or injuring historical or cultural resources
- Discharging or depositing any material, e.g., dredge spoils, oil, etc.
- Altering the seabed or constructing any structures on the seabed
- Injuring or harassing marine mammals, sea turtles, and seabirds
- Flying motorized aircraft (under 2,000 feet) within a mile of the sanctuary's coastal boundary and offshore islands



# OLYMPIC COAST NATIONAL MARINE SANCTUARY

**Research** - to gather critical data on the condition of and threats to resources within the sanctuary

- Collaborative research, assessments and monitoring to inform ecosystem-based management
- Oceanographic moorings, intertidal & kelp monitoring, deep-sea coral & sponge ROV cruises, seafloor mapping, ocean acoustics, telemetry network





# OLYMPIC COAST NATIONAL MARINE SANCTUARY

**Education and outreach** - to educate the public on issues facing the sanctuary and promote awareness and ocean literacy

- Improve ocean literacy through K-12 and higher education, place-based education and funding opportunities, visitor services and community

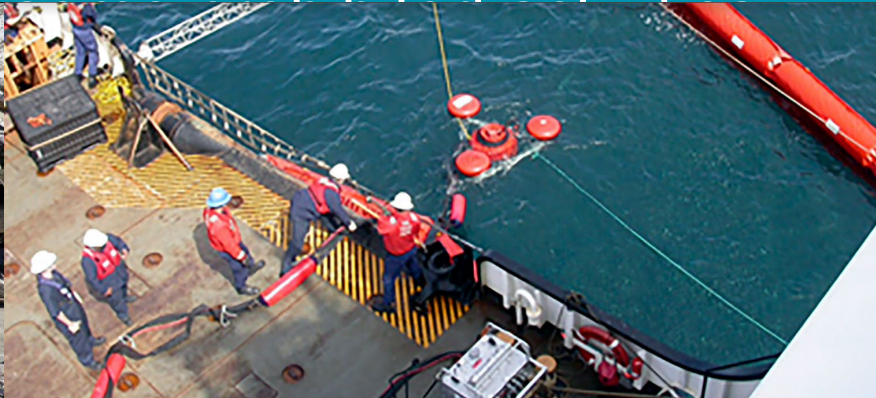




# OLYMPIC COAST NATIONAL MARINE SANCTUARY

**Resource Protection** - to reduce human threats and promote appropriate use of resources in the sanctuary

- Oil spill prevention, preparedness, response, & restoration; wildlife, habitat, water quality, & historic & cultural resource protection; marine debris

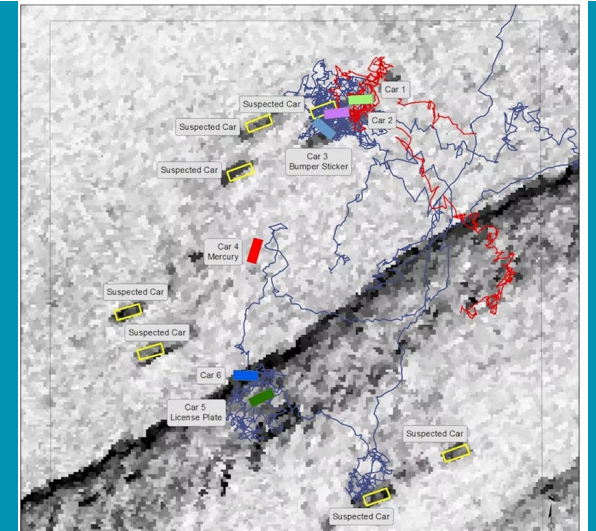
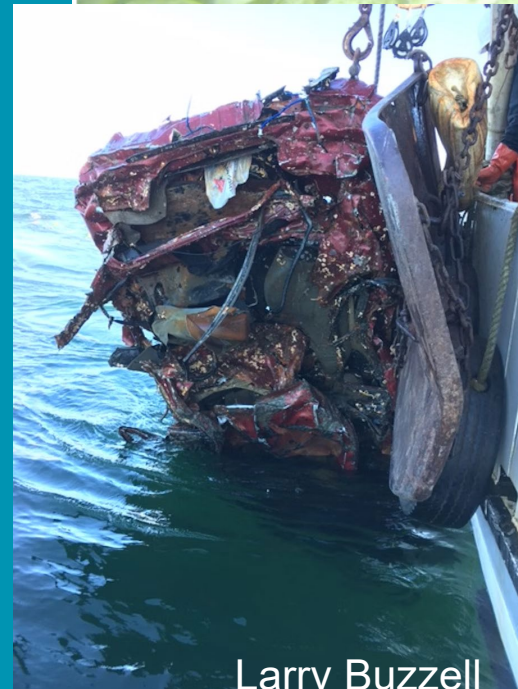
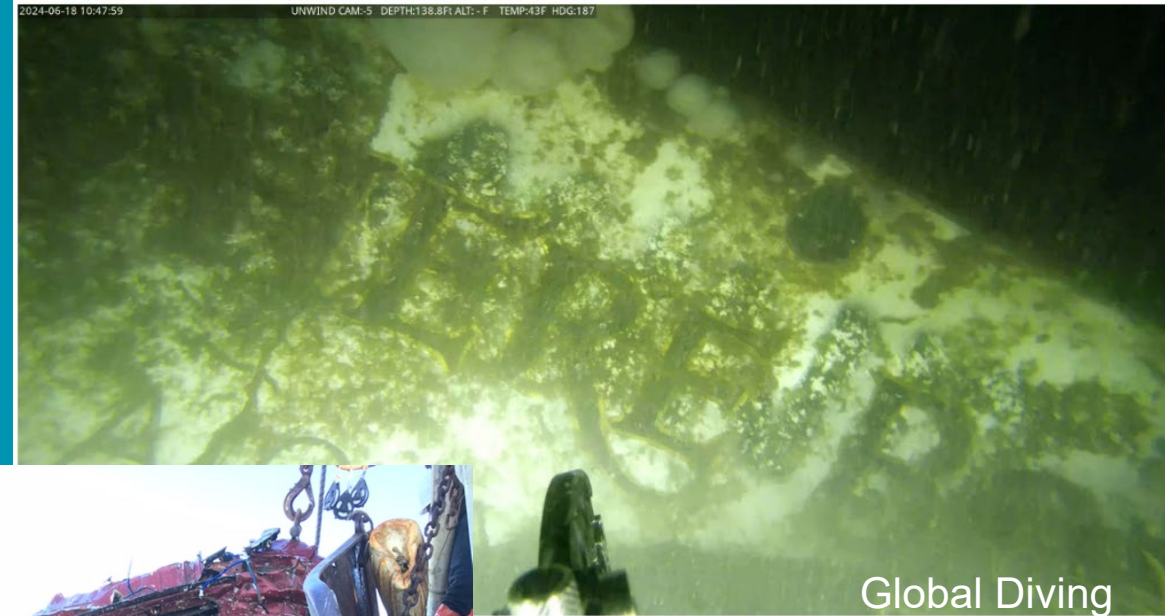




# LARGE MARINE DEBRIS REMOVAL



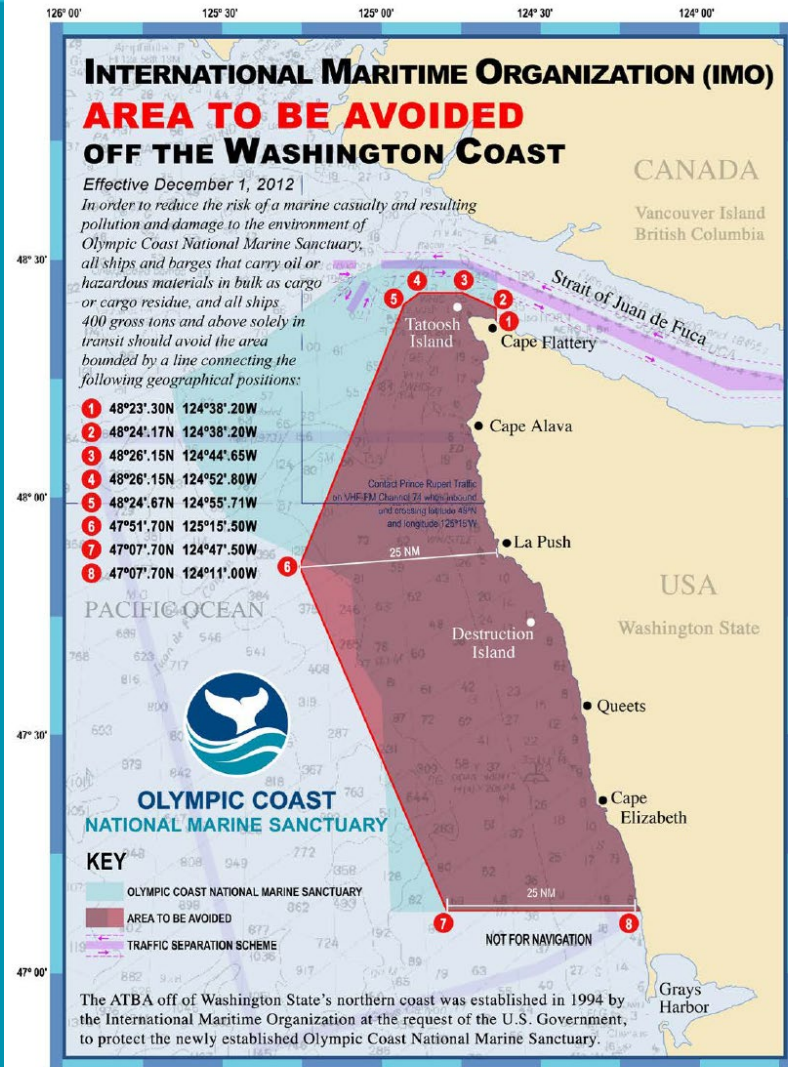
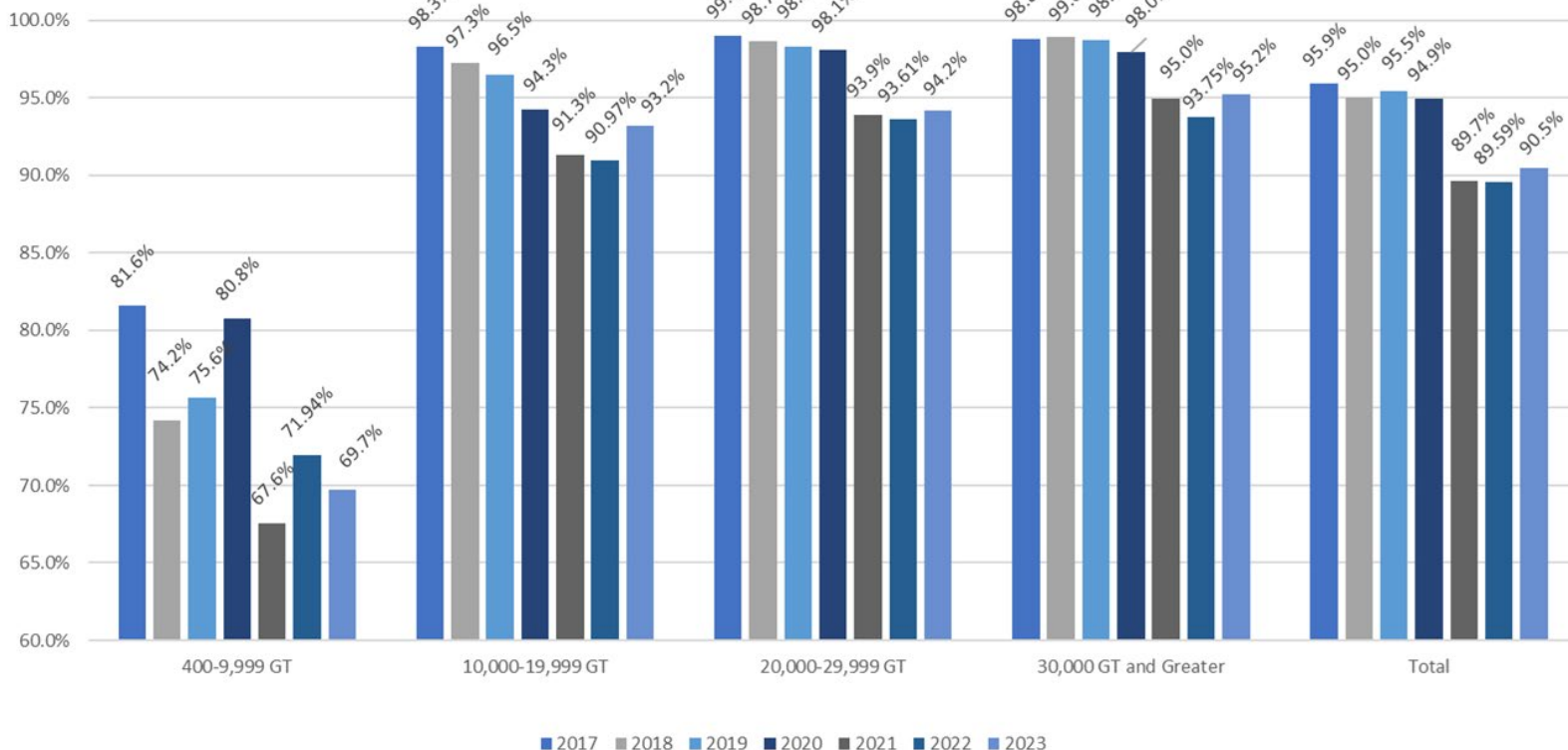
- National Marine Sanctuary Foundation awarded \$15 million from NOAA Marine Debris, ~\$8 million focused on this region
- Worked with Makah Tribe and Quileute Tribe on identifying targets
- M/V *Unwind* removed mid-July 2024 – sank March 2021 off La Push
- Other targets include crushed cars, vessels, & derelict fishing



# AREA TO BE AVOIDED

All vessels that carry oil or hazardous materials as cargo, and all vessels >400GT, solely in transit

ATBA Cooperation Trends 2017-2023

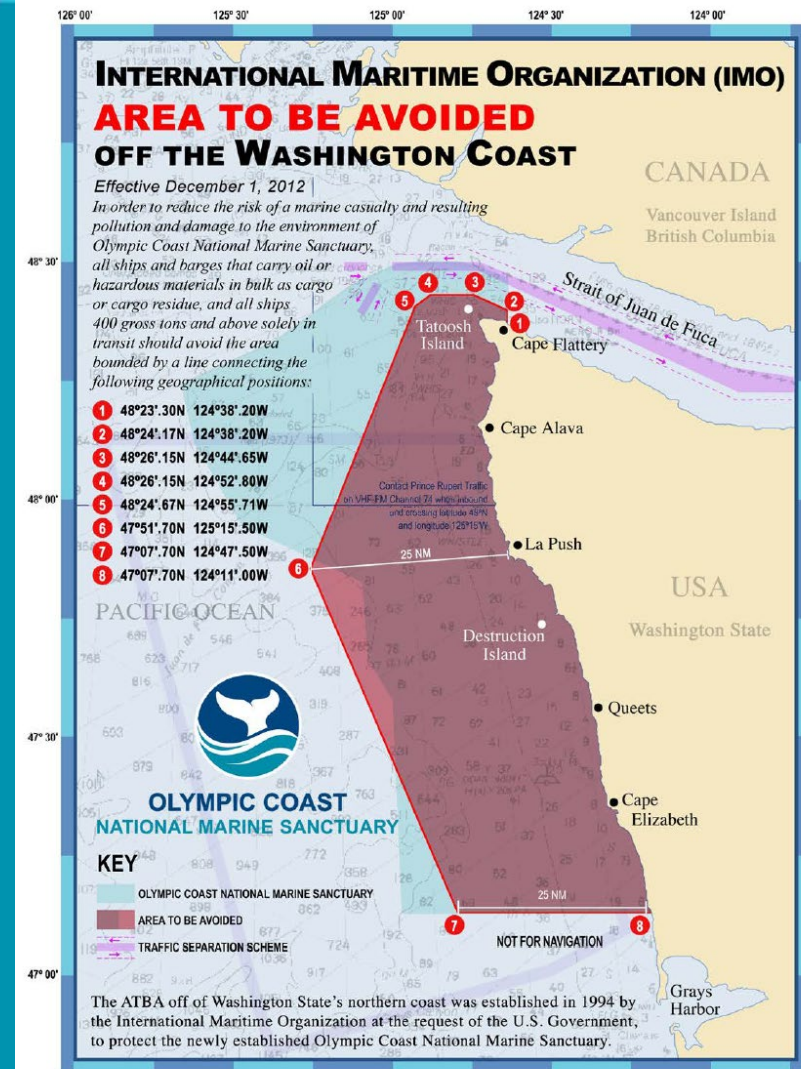
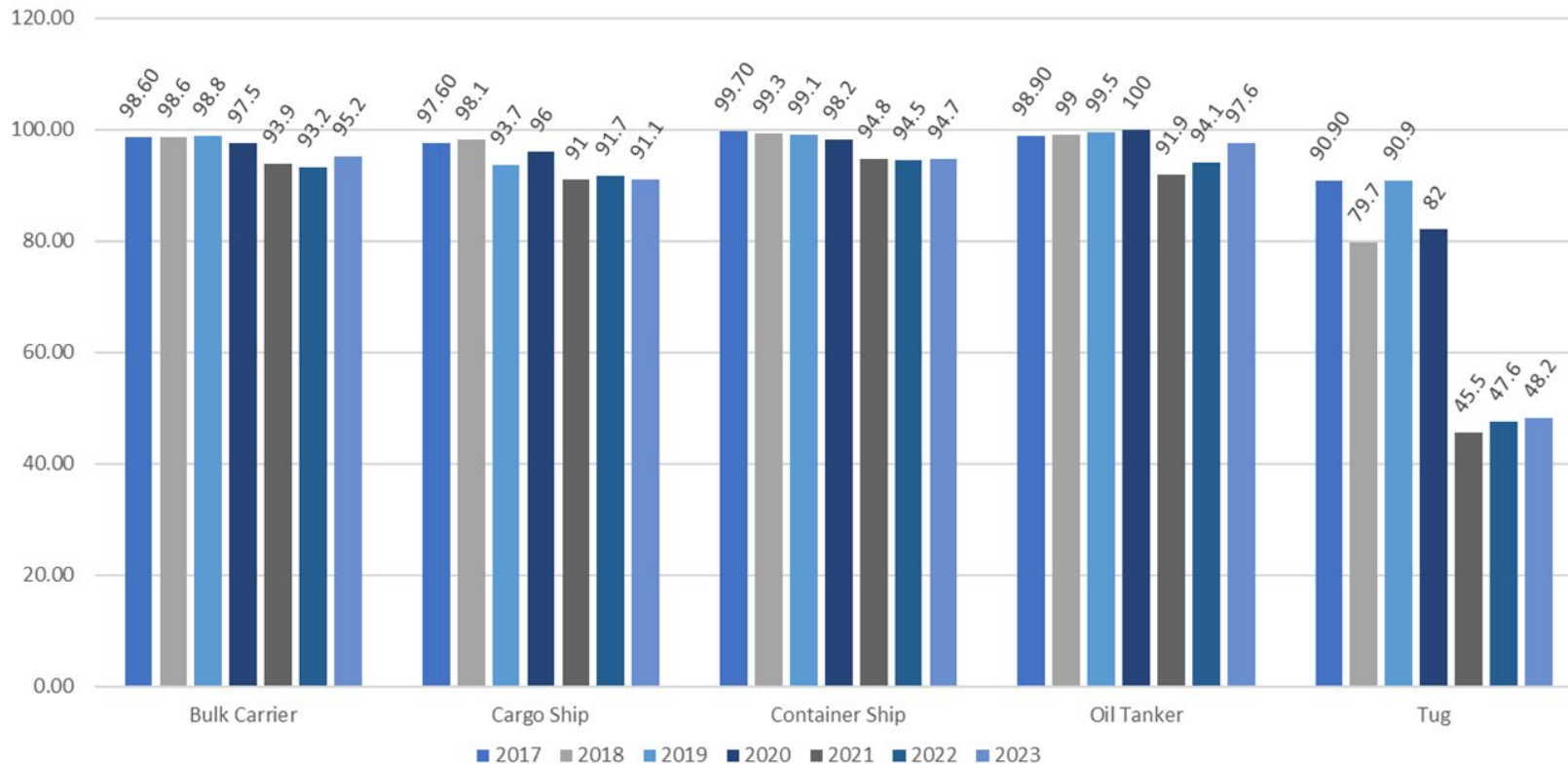




# AREA TO BE AVOIDED

All vessels that carry oil or hazardous materials as cargo, and all vessels >400GT, solely in transit

ATBA Cooperation by Vessel Type - 2017 - 2023



# INCIDENTS AND SPILLS

- Notification of incidents within or adjacent to sanctuary that could impact resources or quality
- Incident Command System
  - UC, EU, and other positions
- Dispersant and *in situ* burn policy
  - Case-by-case authorization within OCNMS
- Research vessel *Storm Petrel*



Image: Jenny Waddell



**OLYMPIC COAST  
NATIONAL MARINE SANCTUARY**

[olympiccoast.noaa.gov](http://olympiccoast.noaa.gov)



# NOS MARINE DEBRIS PROGRAM AND MAKAH REMOVAL WORK





# NOAA MARINE DEBRIS PROGRAM





Prevention



Removal



Research



Monitoring &  
Detection



Response



Coordination





# Marine Debris Provision 7

---

7

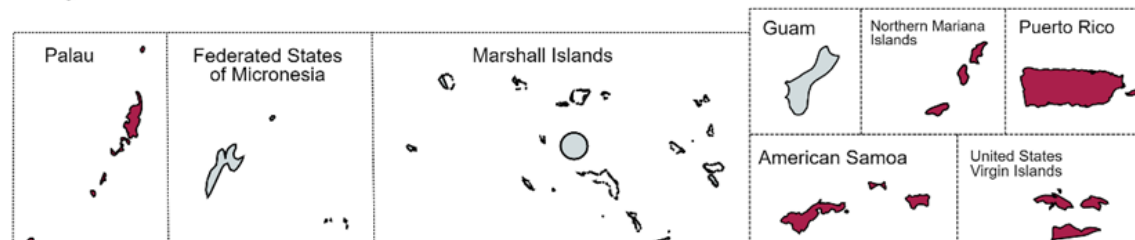
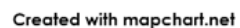
**Marine Debris Program.** \$150,000,000 shall be for marine debris assessment, prevention, mitigation, and removal

8

**Sea Grant.** \$50,000,000 shall be for marine debris prevention and removal through the National Sea Grant College Program



## Competitive + Non-Competitive



# Neah Bay Large Marine Debris Removal Project



Presented by:

Dr. Natalie Lowell  
& Jenna Rolf

Office of Marine Affairs  
Makah Tribe

March 12, 2025

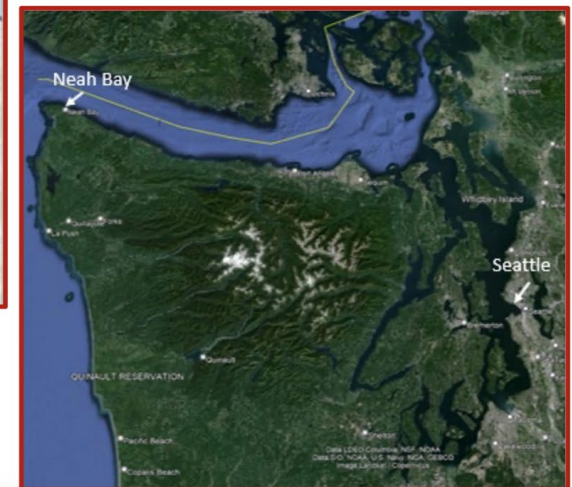
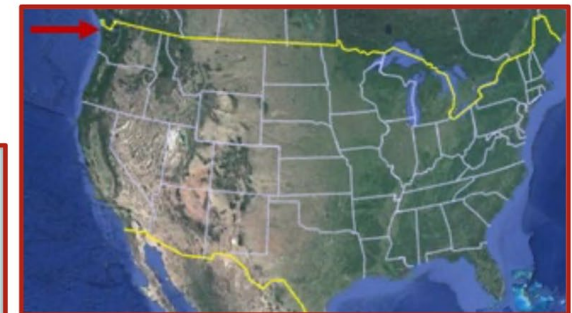
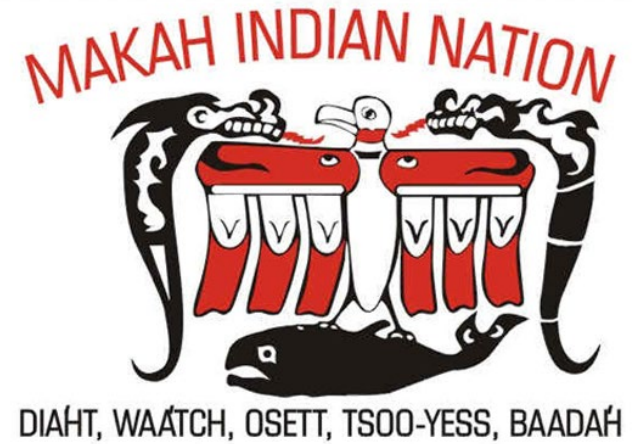


# The Makah Tribe

The traditional name for the Makah Tribe is Qwidiččaʔa•tš, which means “People who live near the Rocks and the Seagulls.”

Neah Bay has been home to the Makah Tribe for thousands of years. The Makah people are the southernmost of the Nuu-chah-nulth peoples of British Columbia and the only Wakashan-speaking people within the United States.

The Makah people have a unique connection to the ocean and rely on fishing, whaling, sealing, and commerce for their economic, physical and spiritual well being. The Makah are committed to environmental stewardship to protect their Treaty resources and way of life into the future.



# Makah Fishing

Fishing has always been the backbone of the Tribe's cultural heritage and health. Today's Makah fishing fleet brings in a \$6-8 million dollars annually, making it the largest tribal fishing fleet in the US in landings.

Fishing supports over 60% of the local economy and provides fish to the community's nutritional security.



The community's most accessible shellfish beds are located in Neah Bay near the Makah Marina.



# Marine debris threatens Treaty resources & Makah way of life

- Marine debris poses harm to Treaty resources by destroying sensitive marine and coastal habitats and dispersing oil and other toxic chemicals
- Derelict vessels and structures can also create navigational hazards, which affects public safety and the exercise of Treaty fishing rights
- Abandoned and derelict vessels occupy slips, barring their availability for active Treaty fishing and also depleting the community of financial resources





# Recent History: Makah Marine Debris Removal

The Makah Tribe has been actively removing abandoned and derelict vessels (ADV) and sunken vessel from Neah Bay since 2002.

Years	Activity	Funding source
2002-2017	28 sunken vessel & ADV removals	Makah Funding: \$359K
2018	3 sunken vessel removals	NOAA & Makah Funding: \$300K
2022	12 ADV lightering	Makah and PSP / NWIFC funding: \$184K
2023	9 ADV removals	Makah Funding: \$359K

# Recent History:

## Makah Marine Debris Removal

The Makah Tribe has been actively removing abandoned and derelict vessels (ADV) and sunken vessel from Neah Bay since 2002.

In **2024**, the Tribe leveraged \$6M NOAA BIL funding with \$3M from Washington DNR and \$200K PSP / NWIFC to achieve an unprecedented amount of marine debris removal.

Years	Activity	Funding source
2002-2017	28 sunken vessel & ADV removals	Makah Funding: \$359K
2018	3 sunken vessel removals	NOAA & Makah Funding: \$300K
2022	12 ADV lightering	Makah and PSP / NWIFC funding: \$184K
2023	9 ADV removals	Makah Funding: \$359K
2024	Pontoon, 6 ADV, 11 sunken vessels, piles removal  High Tide Seafood Facility, 2 ADV removal  8 ADV lightering	NOAA FY23 BIL, NMSF, Makah: \$6M  DNR \$3M  Makah and PSP / NWIFC funding:



Bridge Pontoon

High Tide Seafood Facility

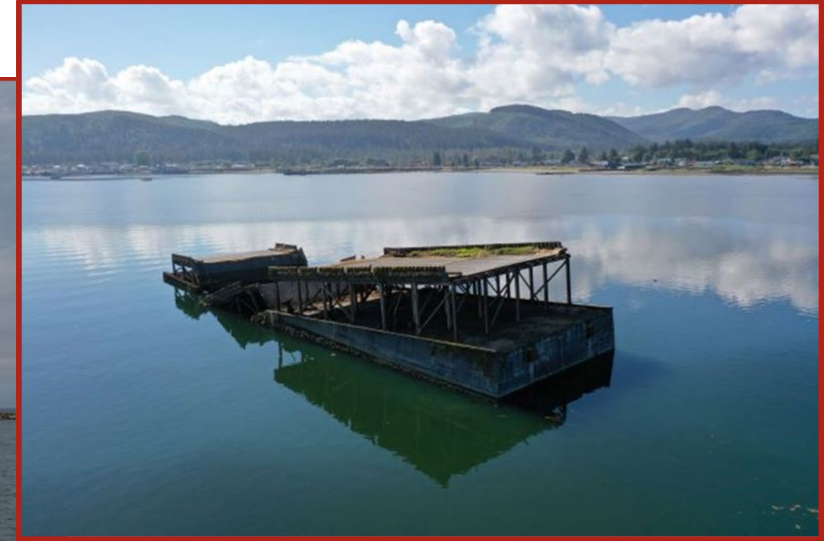
Makah Marina



# Bridge Pontoon



The pontoon was 220 ft long by 50 feet wide and consisted of about 2,750 tons of concrete and steel.



The pontoon was salvaged in 1992 from the I-90 floating bridge at Lake Washington to be used as a temporary breakwater. The pontoon was damaged when being moved and sunk in the northwest portion of Neah Bay.







# High Tide Seafood Facility (HTSF) Removal



The HTSF is a WA DNR structure and the Tribe had been seeking its removal for years.

In 2023, the Makah Tribe helped DNR pass legislation (SB 5433) that gave them the authority and funding to remove derelict structures.

DNR managed the removal of the HTSF along with 2 sunken vessels found near the structure. The same contractor was used for the BIL-NOAA funded work, resulting in **cost savings of \$750K** from shared mobilization. This allowed for more marine debris removal, including complete removal of the pontoon.



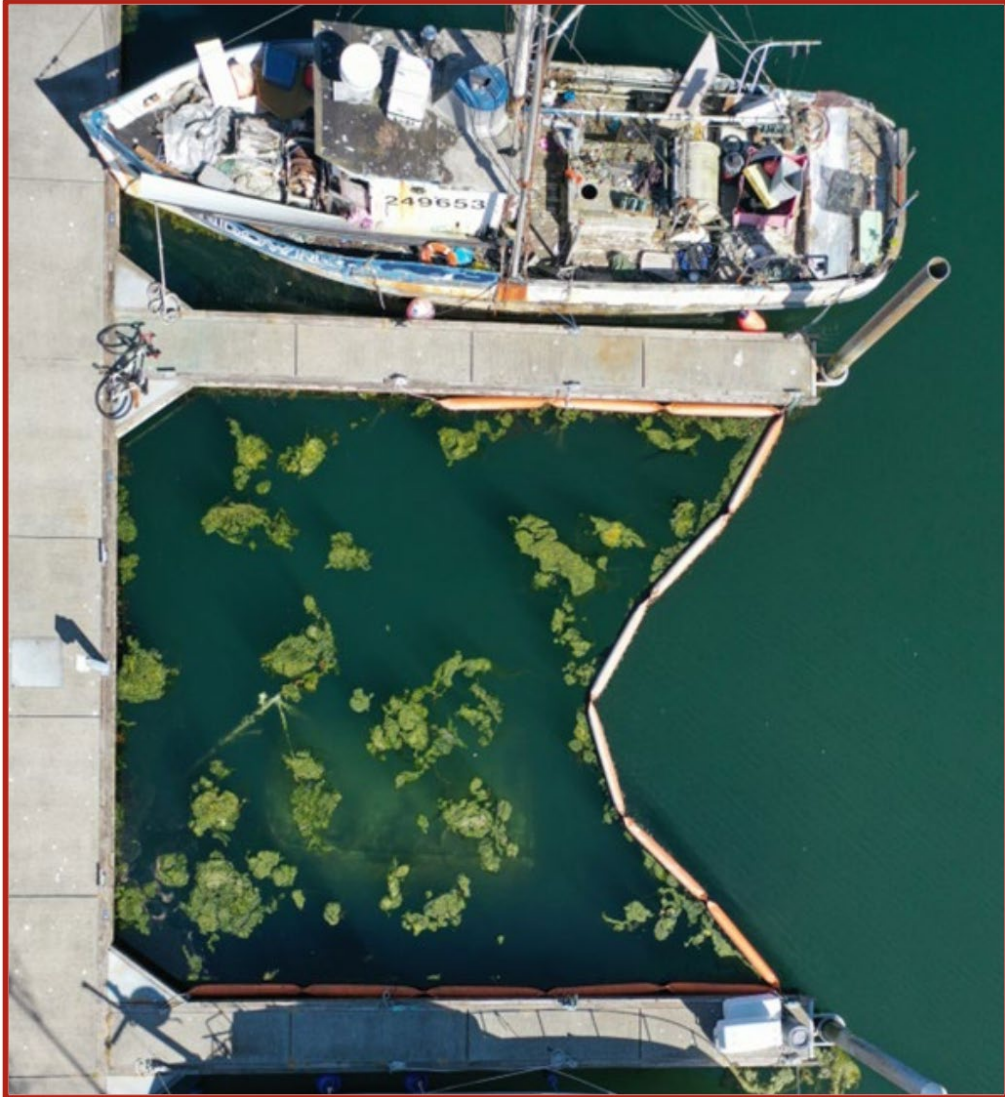








# Marina – Sunken and Abandoned Derelict Vessels



## **Abandoned and Derelict Vessel (ADV) Management**

The Port of Neah Bay actively monitors ADV, pumps out vessels when necessary, lighters vessels for removal, and ultimately removes ADV. This work is resource intensive.

## **ADV Prevention Action Plan**

The Makah Tribe developed an ADV prevention action plan that includes:

- Community Outreach
- Inspections/Identification
- Vessel Owner Notifications
- Vessel Removal
- Removal Cost Recovery









Pacific Lifter



GLOBAL DIVING & SALVAGE



VALOROUS







# Takeaways & lessons learned

- When well funded and coordinated, in-water work can occur on time with no safety incidents or spills
- Success hinged on strong partnerships
  - National Marine Sanctuary Foundation with capacity and drive for tribal partnerships
  - Makah Tribe with lightering work completed and robust record keeping for removal targets
  - DNR and Makah able to coordinate on passing state legislation, enabling state authority and funding
  - Able to use one mobilization, cut costs, and remove more marine debris
  - Expertise of Global Diving and Salvage and long-standing relationship with the Makah Tribe
- What's next: ADV prevention and eelgrass restoration work for Neah Bay





# Protecting Makah treaty resources for the future



Our mission is to care for and protect our Treaty resources, cultural heritage and way of life now and into the future.

We are grateful to the funding opportunities provided in the BIL and our partners at NOAA, National Marine Sanctuary Foundation, and DNR for making this project possible.



Thank you &  
Questions?

Natalie Lowell

[natalielowell@gmail.com](mailto:natalielowell@gmail.com)

Jenna Rolf

[jenna.c.rolf@gmail.com](mailto:jenna.c.rolf@gmail.com)





# STAKEHOLDER INPUT LETTERS – WORKER AND PUBLIC HEALTH & SAFETY, RCAC, AND SUBPART J



# OTHER AGENCY COMMENTS



# NEXT MEETING

September 24, 2025  
Spokane, WA





# FINAL COMMENTS & CLOSING REMARKS

