

## **Northwest Area Committees (NWAC) Meeting**

### **Hosted by ECY and USCG Sector Puget Sound Planning Partners**

### **Anacortes, WA and Remote Participation Via Zoom**

### **Tuesday 28 February 2023, 0830-1530 hours**

#### **Welcome and Opening Statements**

This meeting is hosted by USCG Sector Puget Sound (SPS) and the Washington Dept. of Ecology (Ecology), and attendance is open to all planning partners in the Northwest Area (Washington, Oregon, and Idaho). Welcome, and introductions were given by Commander CPT Patrick Hilbert (USCG SPS), Stephanie Wenning (EPA Region 10), Natalie Lowell (Makah Tribe), Carlos Clements (Ecology), Wes Risher (ODEQ), and Sarah Cerda (IDEQ).

#### **Northwest Area Planning Updates**

Northwest Area planning partners met on 27 February 2023 to discuss progress and end goals for planning in the Northwest Area. Planning partners had hoped to sign an updated plan for the area, drafted as the Northwest Area Regional Contingency Plan (NWRCP). During this meeting, planning partners identified a need for continued coordination and evaluation of plan elements for all partners to reach a consensus. Planning partners have set a deadline for May 2023 to reach a consensus. The 2020 version of the Northwest Area Contingency Plan (NWACP) currently serves as the regional and area response plan in compliance with the National Contingency Plan (NCP).

#### **OSC Reports**

##### **USCG Sector Columbia River (SCR) (MSSR CWO Brandon Sulfridge)**

- NRC Notifications: 27
- RRT Activations: 0
- Federal Projects: 2
- CERCLA Projects: 0
- Notable Incidents Presented: Vehicle in Necanicum River
- Trainings: ATV Training (February 2023), Pollution Responder Break-In (ongoing), FOSC Break-In (ongoing), Oil Spill Control Course (March-May 2023), Oil Spill Recovery Tech (April and September 2023), Hazardous Materials Incident Response (April-June 2023), attendance at NOAA Shoreline Cleanup and Assessment Techniques (SCAT) class (May 2023)
- Planning/Coordination: MOA with USCG SCR and Confederated Tribes of the Coos, Lower Umpqua, and Siuslaw Indians (CTCLUSI) is ongoing, SCR Area Contingency Plan open comment period (19 April-31 July 2023), SCR Area Committee Meeting (19 April 2023)
- Exercises/Workshops: Prep Notification Drills (March and June 2023), Plan Update Workshop (April 2023), Active Shooter seminar

[View Presentation](#)

##### **USCG Sector Puget Sound (SPS) (MSSR CWO Dean Johnston)**

- NRC Notifications: 149
- RRT Activations: 0
- Federal Projects: 2

- CERCLA Projects: 0
- Notable Incidents Presented: Tug TULALIP – sinking tug near Lopez Island activated PIO and State Liaison positions, and the vessel was removed to the barge.
- Exercises and Trainings: Two Government Initiated Unannounced Exercises (GIUEs) were held, and both participants passed: Phillips 66 (December 2022) and Shell Seattle (February 2023). SPS visit NOAA Headquarters, visit to Olympic Coast National Marine Sanctuary, and the quarterly notification drill.
- Future Outlook: Two GIUEs, Trans Mountain Pipeline Worst Case Discharge (March 2023), Coastal Area Committee Meeting (July 2023), attendance at NOAA Shoreline Cleanup and Assessment Techniques (SCAT) and Science of Oil Spill (SOS) classes (May and July 2023)

[View Presentation](#)

**EPA Region 10** (Emergency Response Section Manager Stephanie Wenning and FOSC Mike Sibley)

- NRC Notifications: 753 (553 oil, 200 hazmat/other)
- RRT Activations: 0
- OPA Projects: 2
- CERCLA Projects: 7
- Notable Incidents Presented: Prineville Mystery Spill ER, Moses Lake Fertilizer Plant ER, Pocatello Creek Oil Release ER, Portland Residence Mercury Spill ER, Mulino Mercury Exposure ER, Northport Time Critical Removal Action (TCRA), Forest Creek TCRA, and Treoil TCRA
- Trainings: North Idaho Boom Training (September 2023)
- Planning/Coordination: FEMA RISC Meeting (February 2023)
- Exercises/Workshops: Andover Pipeline Worst Case Discharge (October 2023)

[View Presentation](#)

**ODEQ** (SOSC Geoff Brown)

SOSC Geoff Brown presented an overview and key lessons learned at the Toledo Locomotive Diesel Spill that occurred on February 10, 2023 in Toledo, OR. ODEQ mobilized to the site and observed a locomotive had derailed, crushing its fuel tank. The incident posed a potential spill threat of 200,000 gallons of diesel near waterways. ODEQ observed diesel in a stormwater outfall entering waterways. Further investigation identified subsurface historical material, dark and thick in color. Responders cut off the spill source and identified that a nearby buried culvert had funneled diesel into the stormwater system.

**IDEQ** (Sarah Cerda):

IDEQ responded to several spills of tractor-trailer incidents along waterways. IDEQ will present these in more detail at the June 2023 NWAC meeting in Boise, Idaho.

**WA Dept. of Ecology** – (Dave Byers)

- Notifications / Incidents Count: Oil 3,020; Hazmat/Pollutant: 1,320; Vessel Incidents: 91; Vessel Spills: 57; Drug Labs: 35
- Notable Incidents Presented: TUG TULALIP in Lopez Island (February 2023), Wilbur Ellis Fertilizer Fire in Moses Lake, WA (October 2022).
- Presentation of the WA State EPCRA Viewer App and contact information for Diane Fowler, EPCRA Coordinator at Ecology.
- Overview of River Restoration projects

- Grant Updates: Restoration Grants: 10 projects funded with \$370,000; project types include shoreline restoration, riparian habitat improvement, invasive weed eradication, and wetland restoration. Equipment Grants, Ecology received 41 applications requesting \$6.1 million in aid; Ecology was able to award \$3.1 million, including chemical detection instrumentation, oil spill cache trailers, and wildlife deterrence equipment.

[View Presentation](#)

### **Panel Discussion: Vessel Salvage, - Global Diving & Salvage, U.S. Coast Guard, WA Department of Ecology, San Juan County Emergency Management**

**Presenters and Panelists:** Kristofer Lindberg (Global Diving), CDR Jon Ladyga and CWO Dean Johnston (USCG SPS), SOSC Dave Beyers (WA Dept. Ecology), Brendon Cowen (San Juan County Emergency Management)

Kristofer Lindberg of Global Diving presented a general overview of the incident, response, and diving operations at the Aleutian Isle fishing vessel response. Panelists discussed notable challenges, observations, and successes of response actions in September 2023 in Friday Harbor, WA, in the San Juan Islands. A general overview of discussion points follows:

#### **General Observations**

- Presentation by Global Diving & Salvage, including review of Global diving capabilities and typical challenges related to diving, including depth, timing, and technicalities related to increasingly deeper depth (sub 60 feet); as depth increases, time and cost increase.
- Communications posed a challenge due to weak cell service in the area; despite weak cell service, a key element of communication was the ability of responders to show the IC and shoreside response supporters what was on the barge. Being able to see the vessel helped communication.
- Everyone wanted to increase response action speed, but this would have increased safety issues; showing people what was on the barge helped people understand the need to work safely and slow down.
- Resources needed to be ordered four days in advance of the need.
- Proximity to AK opened fortunate and atypical resources such as the barge utilized during this response; other areas of the country would not have been as successful because it could take months to mobilize the equipment to places like California or the east coast. Responders had one week of downtime; other areas might have months of downtime. Large pieces of equipment are not readily available in the commercial world; loading a large barge before arrival on site was fortunate and unusual.
- Was able to charter boats and put them on harbor dock as sleeping quarters; divers cannot fly within 12-18 hours of diving, so they could not leave on a plane.
- Booming – Decomposing salmon in the hold was an unexpected challenge, and profiling them for disposal was challenging. The fish were coated in oil, and the waste facility had to take organic and diesel. The state park allowed Ecology to clean boom at the site as long as the boom had no oil and only vegetal growth. Moving boom on pallets and renting a forklift was a challenge (took a day or two instead of a couple of hours); 8000 feet of boom was deployed.
- Global Diving comment: response startup and continual change were challenging. Dynamic situations are typical for Global, but Global responders had trouble in the Planning Section and are more comfortable and effective in the Operations section.

**Challenges**

- Housing was a challenge – should have put in a base camp but didn't initially realize how long the response would be; summer in San Juans is high tourist season, and lodging was all booked. IC would have coordinated housing earlier in retrospect, and it took a few weeks to realize how big this response would be.
- Getting on the ferry in the summertime is hard, so Global diving having their vessel was helpful,
- Tides and resource logistics caused operational delays; responders used unwanted time delays to remove vessel nets.
- Dive bottom and current profile constantly changing were challenging.
- This was a large response with the coordination center and virtual support. MS Teams tied people together, but USCG could not use Teams and was limited in communication. Document sharing had to be done through email;
- From a USCG perspective, communication was a challenge. SPS found communication of technical terms and explanations of delays challenging. Lodging and communications to the island were a challenge, priority loading is something that WSU can do, but that was hard to communicate to people mobilizing.

**Successes**

- Bringing in NOAA scientists (six oceanographers working with ACP data) to predict currents and identify correct windows for optimal diving work was very helpful.
- Technical information sharing with stakeholders, other coordinating agencies, and the PIO was important, and new hybrid communication technologies made this easier.
- Getting acronyms right was challenging for Global Diving as a contractor (e.g., ADVs is not a common term).
- Observation: Response cost was \$100,000/day, totaling approx. With no loss of life, \$7 million was executed as quickly as possible during high tourist season .
- State of WA was able to guarantee disposal, and USCG was able to address the vessel, so multi-agency resources were key.
- Environmental Unit and Operations Section were successful.
- GRPs in the response area were current, effective, and executed successfully.
- Wildlife deterrence was successful.
- International coordination with Canada was successful.
- Drill programs and partnerships set up responders for success.
- Safety, logistics, and funding were large problems, but the response was ultimately successful.
- Creativity, flexibility, and coordination in this response were good.

**Suggestions**

- Relationships with state emergency management would open up resources – i.e., state emergency response could have helped with issues such as housing responders with tent setups commonly used in wildfire response.
- Global is a commercial “hard hat” diving company that does not do SCUBA but deep industrial diving. Global can provide SCUBA recon if needed as part of the scope of work.



## Questions

- Question: Why did Global not use saturation diving? Answer: Saturation diving is expensive because the divers stay at a pressure that allows for working continuously at depth; currents did not qualify for this approach. Saturation diving is significantly more costly; depth at this response was right on the cusp of requiring saturated diving.
- Question: Should we expect a similar vessel type that would create a response like this in the future? Was this a unique incident, or should we change approaches to accommodate this situation? Answer: Is not a systematic issue specific to this vessel type. A wide variety of vessels can sink, fishing vessels are not regulated as other types of vessels, and planners are not anticipating an increased rate of this type of fishing vessel.
- Question: Given the remote location and environmental sensitivity, would the response have gone better if there were more resources in San Juan County, and do four-hour planning standards need to be implemented in San Juans? Answer: Four-hour standards for boom deployment would not have helped in this specific spill because booming is designed for swift-moving water, and this oil spill came from depths. Four-hour response as a standard is always a good plan, but it would not have helped here. [View Presentation](#)

## Presentation: Emergency Response Towing Vessel

### Presented by CPT Mike Moore, ERTV Compliance Group

Moore presented an overview of Law SB5344 governing emergency response towing vessels (ERTVs), key requirements, and coverage areas for contract requirements for tug service providers. A towing vessel that meets law requirements may serve as an ERTV. ERTV Compliance Group provides towing vessels to about five responses per year. ERTV must be hired by a vessel, USCG, or the state of Washington, and each response is a separate contract from the Charter Agreement. There are specific deck equipment requirements for towing vessels. Some towing vessels may not be able to access all harbors, and this is taken into consideration when selecting which tug to use. "Ballard hold" measures how much force a tug vessel can pull and sustain and is a main point for consideration when selecting the appropriate ERTV. The Pacific Northwest saw an increase in vessel tows in December 2022, likely related to severe seasonal weather. Ships with double-walled fuel tanks and an increase in lighter fuels and alternate fuels continue to reduce the risk of complex spills.

[View Presentation](#)

## Presentation: 2023 Task Force Overview

### Presented by Lori Muller, EPA R10

Lori Muller presents the eight Task Forces selected as a result of the NW Area Planning Summit. Task Force Participation is open to all. To request participation in a Task Force, please go to [Regional Response Team Northwest Area Committee \(rrt10nwac.com\)](https://www.regionalresponse.org/teams/nwac). Task Forces began collaboration in February 2023, and products will be due in September 2023. Task Forces information is presented as a slide deck.

[View Presentation](#)

## Presentation: Olympic Coast National Marine Sanctuary

### Presented by Katie Wrubel (NOAA)

Olympic Coast National Marine Sanctuary is one of several National Marine sanctuaries in the US and American Samoa, and it protects the Olympic Coast's natural and cultural resources. Wrubel gave an

overview of prohibited and allowed actions in the designated area. The Sanctuary fosters resource protection via a four-pronged approach of “Research, Education, Outreach, and Resource Protection.” Resource protection is the primary area of interest for spill response planning. Vessels carrying oil or hazmat cargo are advised to transit outside a designated Area to be Avoided (ATA), and NOAA sees 90%-95% compliance. In an incident or spill in this area, NOAA would support from within the ICS structure and offer NOAA’s marine research vessel as an equipment resource. NOAA holds a Management Plan for the Sanctuary programs. The comment period for the Sanctuary Management Plan is open until 3 April 2023 and can be viewed at [Management Plan Review | Olympic Coast National Marine Sanctuary \(noaa.gov\)](#).

[View Presentation](#)

### **Presentation: PACAREA Strike Team**

#### **Presented by USCG PAC Strike Team Area Specialist LTJG Trenton Brown**

Brown presented on Pacific Strike Team (PST) response capabilities, organization, ICS capabilities, capabilities, and personnel qualifications, Area Specialist Program experts, and Readiness/Preparedness resources within the PST. Deployment of PST team members is frequent. They offer hazardous substance/CBRNE response capabilities and have recently begun confined space/entry rescue. Brown also presented on oil response, oil/chemical pumping capabilities, and special events such as the Super Bowl, presidential inauguration, political conventions, and sporting events supporting the DHS. PST is a strong resource to assist FOSCs in translating technical speak to global speak during responses. During the Aleutian Isle response, USCG SPS brought in PST to assist in Safety Officer and Finance positions. Finance was useful in speaking with NPL on funding needs.

[View Presentation](#)

### **Northwest Area Planning Agency Updates**

Northwest Area planning partner agencies share information from their respective agencies regarding legislation, initiatives, trainings, and updates to individual agency plans.

#### **EPA R10 (Stephanie Wenning, Emergency Response Section Manager)**

EPA expects to meet the May 2023 deadline for Subpart J compliance and continues to work through the Authorization of Use Rule. Waters of the US (WOTUS) updates establishing a geographical footprint of jurisdictions, will be released, and a final rule will be effective 20 March 2023; WOTUS definitions will revert to pre-2015 definitions, with a few exceptions. EPA R10 will make two new OSC hires. Superfund Tax levies were reinstated in 2022.

#### **Makah Tribe (Natalie Lowell)**

The Tribe has established a new Oil Spill Workgroup and continues to work on GRPs and a tsunami inundation map. The Tribe is also preparing for an upcoming worst-case scenario drill with Shell Oil.

#### **Swinomish (Julie Shumway)**

The Swinomish Tribe is restarting its emergency response program and is working to train personnel and enhance emergency response capabilities. The main focus areas are volunteer training, plan updates, and equipment stores .

**NOAA** (Kyle Vincent)

NOAA will hold multiple virtual and in-person trainings, including Shoreline Cleanup Assessment Technique (SCAT), Science of Oil Spills (SOS), and Science of Chemical Releases (SOCR). An in-person SOS class is scheduled for Portland, 10-14 July 2023, and signup is open until 13 May 2023. Information, signups, and course schedules are available at [Training | response.restoration.noaa.gov](https://response.restoration.noaa.gov/training). NOAA continues offering the lecture series “You Don’t Know What You Don’t Know” through adobe connect; available at [OR&R Lecture Series: You Don't Know What You Don't Know | response.restoration.noaa.gov](https://response.restoration.noaa.gov/or&r-lecture-series-you-don-t-know-what-you-don-t-know)

**DOI** (Allison O’Brien Hall)

DOI offers an inland oil spill course for DOI responders and offers room for participation from state and tribal participants at no cost; contact Allison O’Brien-Hall at [allison\\_o'brien@ios.doi.gov](mailto:allison_o'brien@ios.doi.gov) for more information. DOI will hire a Deputy in the Sacramento, CA office; the position will support the Sacramento and Portland offices.

**IDEQ** (Dean Ehlert, Assessment and Compliance Bureau Chief)

Idaho will report at the June NWAC meeting.

**D13** (Bob McFarland)

NW Area planning leadership hoped to have the NWRCF updated and signed by this week; however, area planners identified several areas which need more clarification and will continue to address those issues until all planners are satisfied. NW Area planning leadership hopes to reach a consensus by May 2023. The NRT meeting was held in person in Portland, OR, in February 2023; topics included lithium-ion batteries a Tribal engagement session facilitated by Makah and Yakima, Poison Control Center engagement, and public health unit (PHU) in response actions. SPS and SCR personnel changes, John Ladyga, will transfer to an East Coast post, DEAN Johnson will go to National Strike Force on East Coast, the FOSC zone will remain, but leadership moving to Portland, Capt Justin Noggle will take over in May 2023. Mark McDonald will replace Pat Hilbert as SPS. Legislative initiative in D.C. charges NOAA/USCG with establishing a Citation Desk to address regulatory action. Commander Castaneda will retire in the summer of 2023.

**WA Dept. of Ecology** (Carlos Clements, Spills, Prevention, Preparedness, and Response Program Manager)

The Department will host a public course titled “Intro to Oiled Wildlife” in March and August (contact Sonja Larson at [SLAR461@ECY.WA.GOV](mailto:SLAR461@ECY.WA.GOV) for information) and a HAZWOPER training for volunteers in October 2023. The Department will also hold a worst-case drill in Bellingham and a large-scale equipment deployment drill in eastern Washington.

Washington Dep.t of Ecology continues to hire and encourage the public to view and apply for open positions at [careers.wa.gov](https://careers.wa.gov) - [Find a job working for Washington state](https://careers.wa.gov).

Legislative Session Updates: Rail safety governance bill SB5749 is being introduced by rail safety governance by expanding the role of the utilities and transportation commission. Additional state bills have been introduced to control boat speeds to protect southern resident killer whales, prohibit drone use by certain Chinese manufacturers, and create cradle-to-grave responsibility for lithium-ion batteries.

Rulemaking Updates: Ecology has proposed an Oil Transfer Rule to increase mitigation measures in place at onshore, offshore and transfer facilities. The bill is currently in the proposal phase. Ecology is updating maritime piloting licensing requirements to assure safe vessel pilotage (including tug vessels) in waters. The Department will soon announce a new program to certify facilities/vessels handling oil in Washington

state. The Department thanks NW Area planners for their continued service: Nora Haider celebrates ten years with the State of WA, and Sonja Larson celebrates fifteen years of service.

**ODEQ (Wes Risher, Emergency Response Manager Land Quality Division)**

The Oregon state legislature is in session and has yet to approve program funding . ODEQ has made progress on the Deschutes GRP and planning work with BNSF on high-hazard rail plans. There will be a two-day exercise at the Columbia River Confluence. ODEQ continues to develop and improve coastal GRPs. The Department has finished labor relations regarding employee workspace and will codify the practice of a hybrid work environment allowing employees to work from home. ODEQ is hosting a NOAA SOS class in Portland.

**Closing Comments**

Sector Puget Sound, WA Dept of Ecology, and EPA R10 thank presenters and participants for continued support and planning efforts.

The next regular meeting of the NWACs will be on 6 June 2023 in Boise, Idaho, hosted by the Inland Area Committee and the State of Idaho. A virtual attendance option will be offered. Information will be posted at <http://rrt10nwac.com>.

**End Meeting**

**Attendance record provided following summary notes**



# USCG Sector Columbia River Federal OSC Report



Sector Commander:  
M. Scott Jackson, CAPT USCG

Since January 1, 2023

| NRC Notifications | RRT Activations | Federal Projects | CERCLA Projects |
|-------------------|-----------------|------------------|-----------------|
| 27                | 0               | 2                | 0               |



# UCGPS23005

## (Vehicle in Necanicum river)



|  |  |
|--|--|
| <b>RRT Activation:</b>                       | No   |
| <b>Type and amount of product:</b>           | Oil – 20 gallons of gas & 6 quarts of motor oil  |
| <b>Cause:</b>                                | Member took vehicle for joy ride on unauthorized beach ultimately running the vehicle into the river becoming completely submerged.                        |
| <b>Date of spill:</b>                        | 16JAN23  |
| <b>Responsible Party:</b>                    | RP Identified (from Pennsylvania)  |
| <b>Key operational activities:</b>           | <ul style="list-style-type: none"><li>- Accessed OSLTF for 22k to remove vehicle from water to safe location and remove all recoverable product.</li></ul> |
| <b>Major lessons learned:</b>                | <ul style="list-style-type: none"><li>- Short window for divers due to current of tides</li></ul>  |
| <b>Lead Coordinator Contact Information:</b> | LT Daniel Russo (USCG)<br>MST3 Sergey Hartshorne (USCG)<br>503-861-6479  |







# USCG

## Training



| Description                                 | Dates  |
|---|--|
| Pollution Responder Break-In (01 personnel) | Ongoing  |
| FOSCR Break-In (01 personnel)               | Ongoing  |
| Oil Spill Control Course                    | 20-24 Mar 23, 03-07 Apr 23, 24-28 Apr 23, 08-12 May 23, 22-26 May 23 |
| Oil Spill Recovery Tech                     | 24-28 Apr 23, 11-15 Sept 23  |
| Hazardous Material Incident Response        | 24-28 Apr 23, 08-12 May 23, 05-09 Jun 23, 19-23 Jun 23               |
| ATV Training                                | 28 Feb 23  |
| SCAT Training                               | 01-04 May 23   |





# USCG



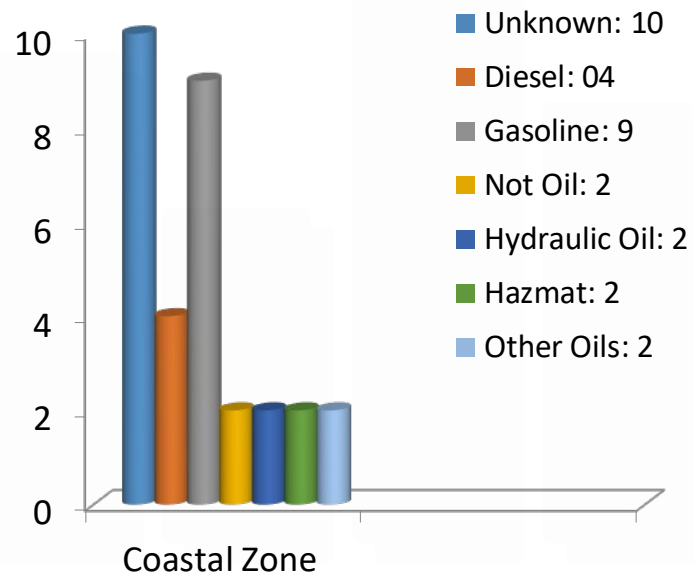
## Federal, State, Tribal, and Local Planning and Coordination Efforts

| Description                       | Dates                          |
|-----------------------------------|--------------------------------|
| MOA between CTCLUSI, D13, and SCR | Ongoing                        |
| SCR ACP open comment period       | April 19, 2023 – July 31, 2023 |
| SCR Area Committee Meeting        | April 19, 2023                 |
|                                   |                                |

## Exercises and Workshops

| Description                          | Dates           |
|--------------------------------------|-----------------|
| Prep Notification Drill              | March 3, 2023   |
| Plan Update workshop – COOP, MRO, ND | April 3-7, 2023 |
| Prep Notification Drill              | June 30, 2023   |
| Active Shooter Seminar               | August 16, 2023 |
|                                      |                 |
|                                      |                 |
|                                      |                 |
|                                      |                 |

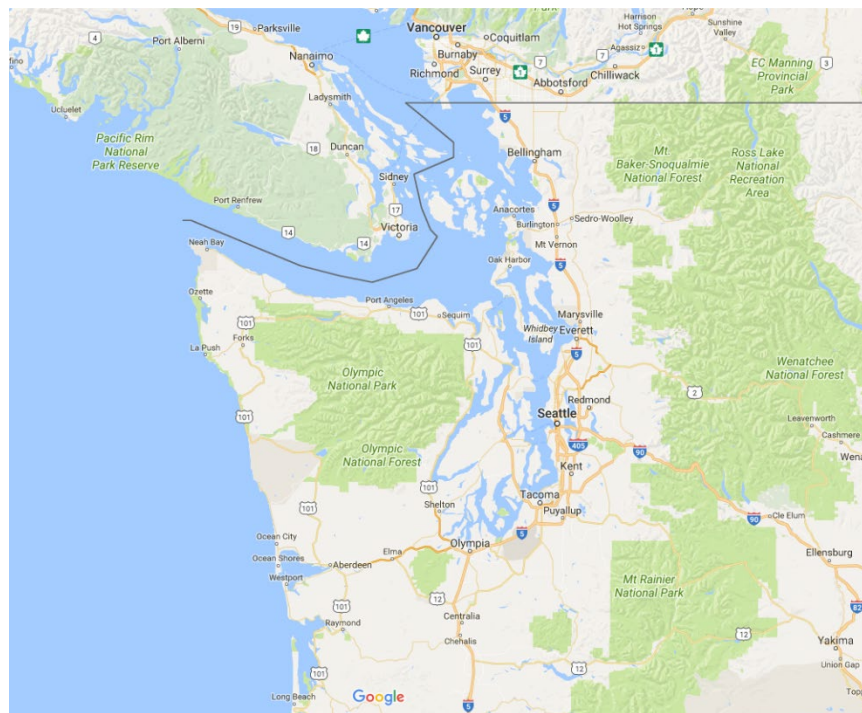
## Discharge Material of NRC Reports





# Sector Puget Sound

## Captain Patrick Hilbert, Sector Commander

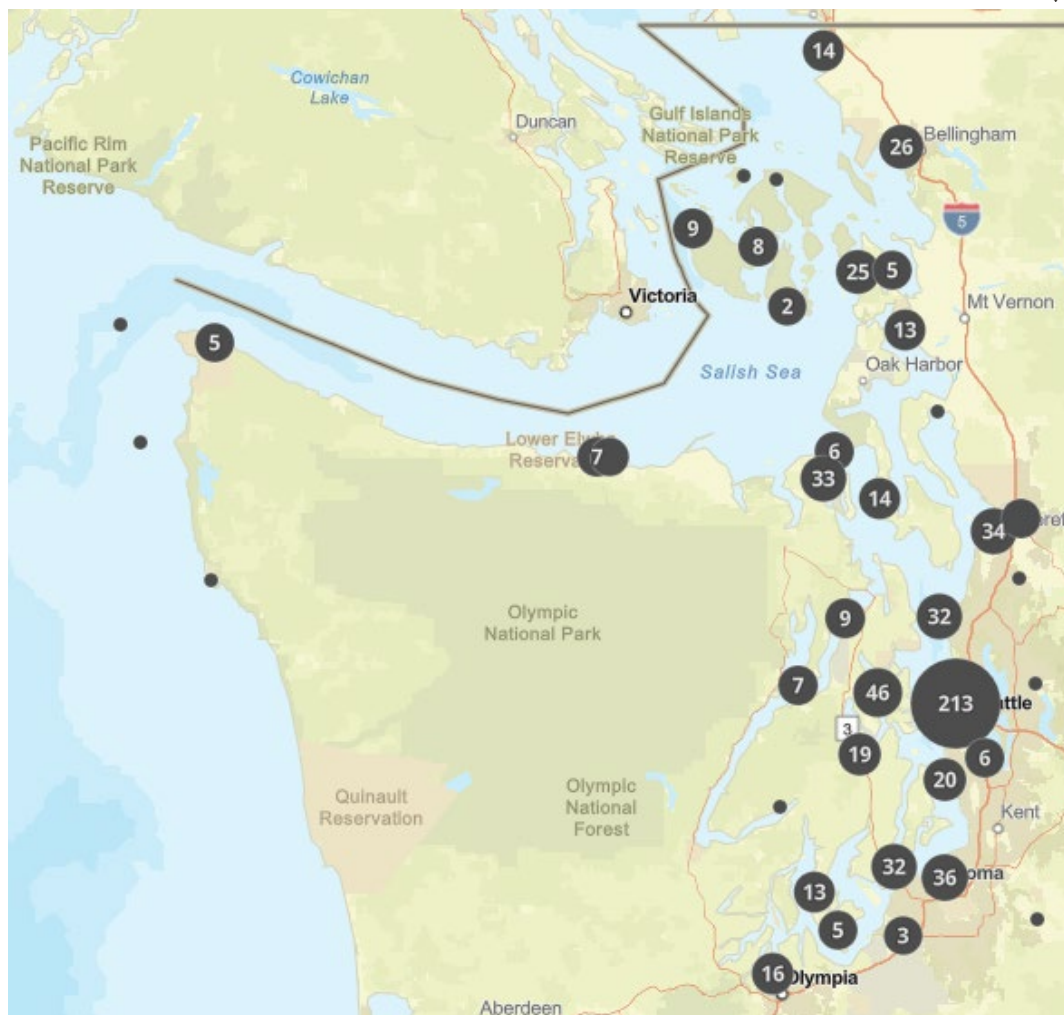


Past three months

| NRC Notifications | RRT Activations  | Federal Projects | CERCLA Projects |
|-------------------|--|------------------|-----------------|
| 149               | 0 Surface Washing Agents<br>0 In-Situ Burns<br>0 Dispersants | 2                | 0               |



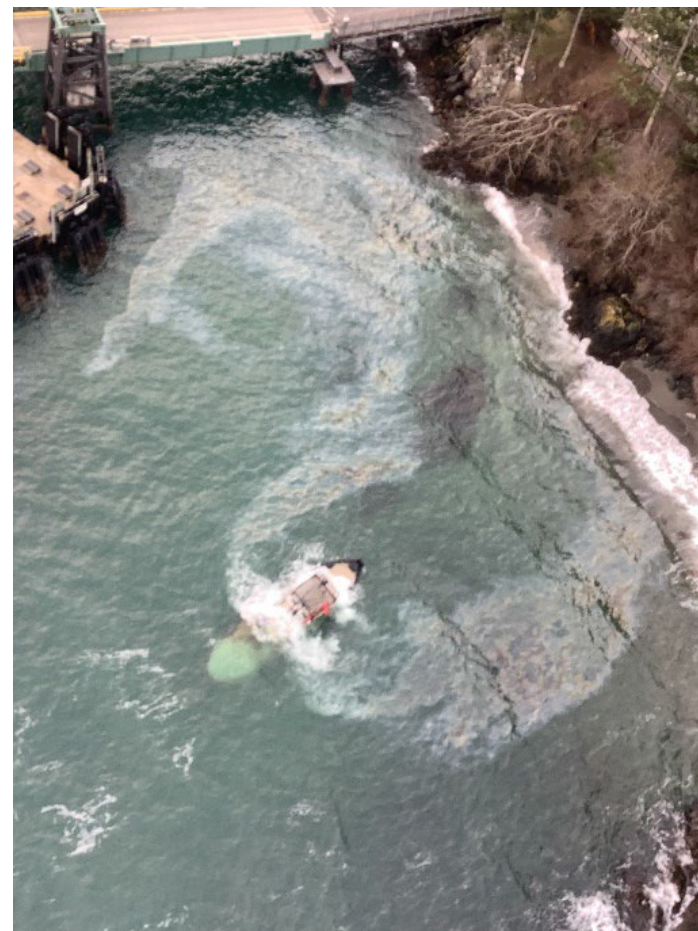
FY22  
Notifications:  
688





# Tug TULALIP

|                                    |   |
|------------------------------------|---|
| <b>RRT Activation:</b>             | No (RRT Notified, Not Activated)  |
| <b>Type and amount of product:</b> | Diesel<br>Estimated Potential: 400 Gallons<br>Max Potential: 800 Gallons  |
| <b>Cause:</b>                      | Sinking   |
| <b>Date of spill:</b>              | February 2023   |
| <b>Location:</b>                   | Lopez Island, WA  |
| <b>Key operational activities:</b> | <ul style="list-style-type: none"><li>- Vessel sank next to WSF pier</li><li>- RP hired Global Salvage and Diving</li><li>- Overflight identified sheening</li></ul>  |
| <b>Major lessons learned:</b>      | <ul style="list-style-type: none"><li>- Initiated overflight early on</li><li>- IOSA provided initial on scene assessment</li><li>- Well coordinated response influenced by lessons learned from Aleutian Isle.</li></ul> |

















# Exercises and Training

| Description                             | Dates             |
|---|-------------------|
| GIUE – Phillip 66 (Passed)              | December 07, 2022 |
| USCG Visit to NOAA Headquarters         | December 13, 2022 |
| Olympic Coast National Marine Sanctuary | December 19, 2022 |
| GIUE – Shell Seattle (Passed)           | February 03, 2023 |
| Quarterly Notification Drill            | February 09, 2023 |

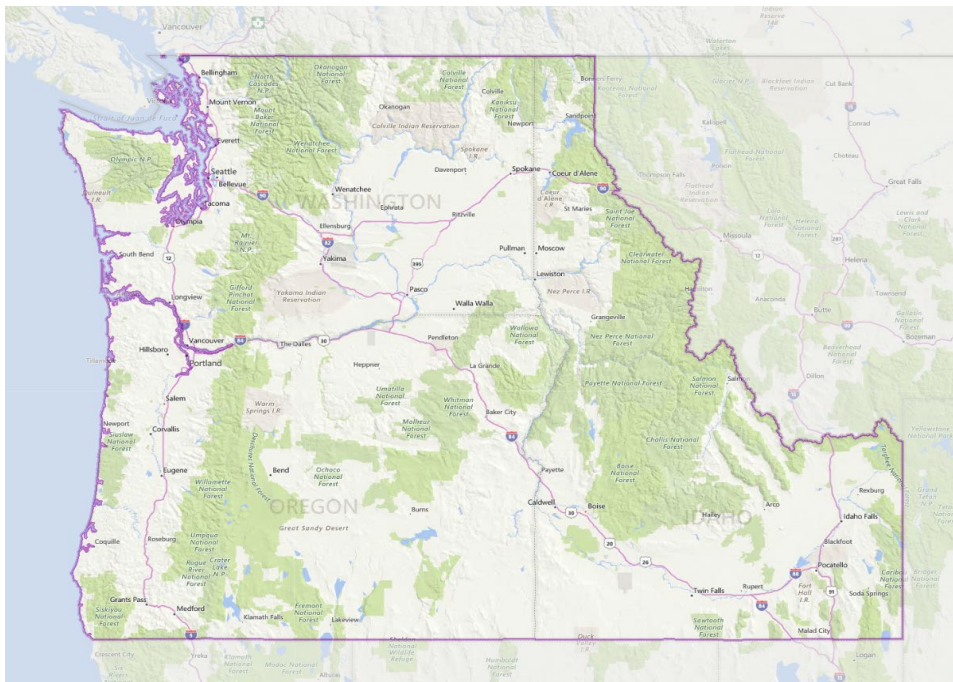


# Future Outlook

| Description  | Dates             |
|--|-------------------|
| Government Initiated Unannounced Ex.               | 2 additional      |
| Trans Mountain Pipeline WCD Ex.                    | March 08, 2023    |
| Shell WCD Exercise                                 | March 15-16, 2023 |
| Coastal Area Committee Meeting                     | July (TBD)        |
| Shoreline Cleanup and Assessment Techniques (NOAA) | May 1-4, 2023     |
| NOAA Science of Oil Spill                          | July 10-14, 2023  |



# EPA Region 10



**From September 10<sup>th</sup> 2022 to February 26<sup>th</sup> 2023**

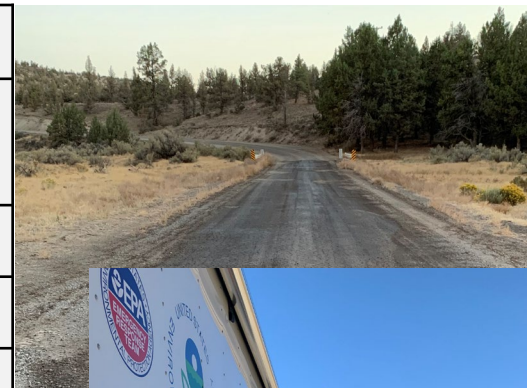
| NRC Notifications   | RRT Activations | OPA Projects  | CERCLA Projects  |
|---|-----------------|---|--|
| <b>753 Total Reports</b><br><b>553 Oil</b><br><b>200 Other (HazMat, etc.)</b> | <b>N/A</b>      | <b>2 ERs – Pocatello Creek<br/>Oil Release and<br/>Steamboat Slough<br/>Sunken Vessel Excalibur</b> | <b>4 ERs</b><br><b>3 Removal Actions<br/>Completed</b> |



# Prineville Mystery Spill

Prineville, OR (Crook County)

|  |  |
|--|--|
| <b>RRT Activation:</b>                       | No   |
| <b>Type and Amount of Product Spilled:</b>   | Unknown material   |
| <b>Cause of Spill:</b>                       | Unknown  |
| <b>Date of Spill:</b>                        | 10/14/2022   |
| <b>Responsible Party:</b>                    | Unknown  |
| <b>Key Operational Activities:</b>           | Conducted FirstStep, Hazcat and presumptive identification using field instruments<br>Collected Samples<br>Results indicated elevated magnesium which may be correlated with application of magnesium chloride for dust suppression. |
| <b>Lead Coordinator Contact Information:</b> | Stephen Ball, <a href="mailto:Ball.Stephen@EPA.gov">Ball.Stephen@EPA.gov</a>   |

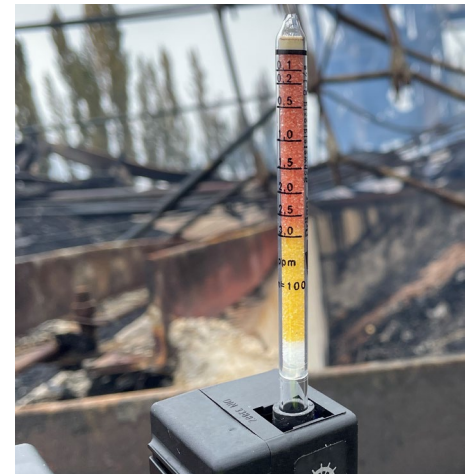




# Moses Lake Fertilizer Plant Fire

Moses Lake, WA (Grant County)

|  |   |
|--|---|
| <b>RRT Activation:</b>                       | No  |
| <b>Type and Amount of Product Spilled:</b>   | SO <sub>2</sub> and other combustion byproducts   |
| <b>Cause of Spill:</b>                       | Fire at a Fertilizer Storage Facility   |
| <b>Date of Spill:</b>                        | 10/23/2022  |
| <b>Responsible Party:</b>                    | Wilbur-Ellis  |
| <b>Key Operational Activities:</b>           | <ul style="list-style-type: none"><li>• Community Air Monitoring</li><li>• Identification of contaminants threatening air quality</li><li>• Provide air monitoring data to County Health Department</li></ul> |
| <b>Lead Coordinator Contact Information:</b> | Monica Tonel, <a href="mailto:Tonel.Monica@EPA.gov">Tonel.Monica@EPA.gov</a>  |







# Pocatello Creek Oil Release

Pocatello, ID (Bannock County)

|  |   |
|--|---|
| <b>RRT Activation:</b>                       | No  |
| <b>Type and Amount of Product Spilled:</b>   | Unknown amount spilled (up to 30,000 gal)   |
| <b>Cause of Spill:</b>                       | Unknown   |
| <b>Date of Spill:</b>                        | 11/2/2022   |
| <b>Responsible Party:</b>                    | VTC   |
| <b>Key Operational Activities:</b>           | <ul style="list-style-type: none"><li>• Document scope and extent of spill</li><li>• Assist with cleanup activities with materials</li><li>• Assist with shoreline cleanup assessment technique</li></ul> |
| <b>Lead Coordinator Contact Information:</b> | Stephen Ball, <a href="mailto:Ball.Stephen@EPA.gov">Ball.Stephen@EPA.gov</a>  |







# Portland Residence Mercury Spill

Portland, OR (Multnomah County)

|  |   |
|--|---|
| <b>RRT Activation:</b>                       | No  |
| <b>Type and Amount of Product Spilled:</b>   | Elemental Mercury 3 tablespoons   |
| <b>Cause of Spill:</b>                       | Broken Antique Barometer  |
| <b>Date of Spill:</b>                        | 12/6/2022   |
| <b>Responsible Party:</b>                    | Resident  |
| <b>Key Operational Activities:</b>           | <ul style="list-style-type: none"><li>• Determine scope and extent of spilled elemental mercury in a residence</li><li>• Remove spilled mercury</li><li>• Determine if conditions were appropriate for reoccupation</li></ul> |
| <b>Lead Coordinator Contact Information:</b> | Richard Franklin,<br><a href="mailto:Franklin.Richard@EPA.gov">Franklin.Richard@EPA.gov</a>   |

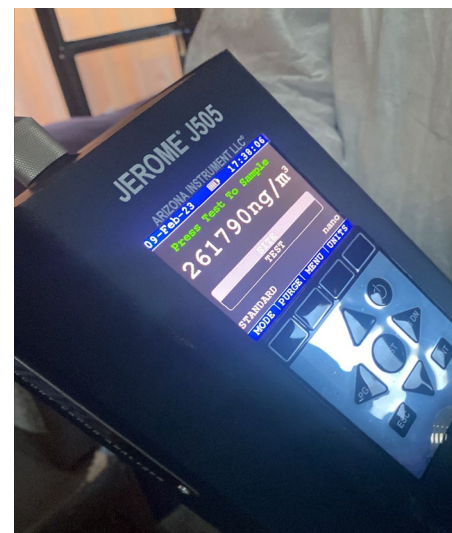




# Mulino Hg Spill

## Mulino, OR (Clackamas County)

|  |  |
|--|--|
| <b>RRT Activation:</b>                       | No   |
| <b>Type and Amount of Product Spilled:</b>   | Facial cream containing mercury salts  |
| <b>Cause of Spill:</b>                       | Dermal Exposure  |
| <b>Date of Spill:</b>                        | 2/9/2023   |
| <b>Responsible Party:</b>                    | Resident   |
| <b>Key Operational Activities:</b>           | <ul style="list-style-type: none"> <li>• Determine source of mercury exposure</li> <li>• Sample facial cream to better understand speciation of mercury</li> <li>• Remove contaminated items that could not be treated</li> <li>• Conduct clearance monitoring of residence</li> </ul> |
| <b>Lead Coordinator Contact Information:</b> | Jeffrey Fowlow, <a href="mailto:Fowlow.Jeffrey@EPA.gov">Fowlow.Jeffrey@EPA.gov</a>   |

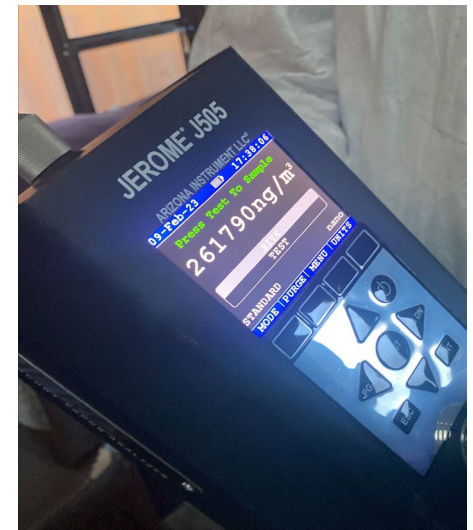
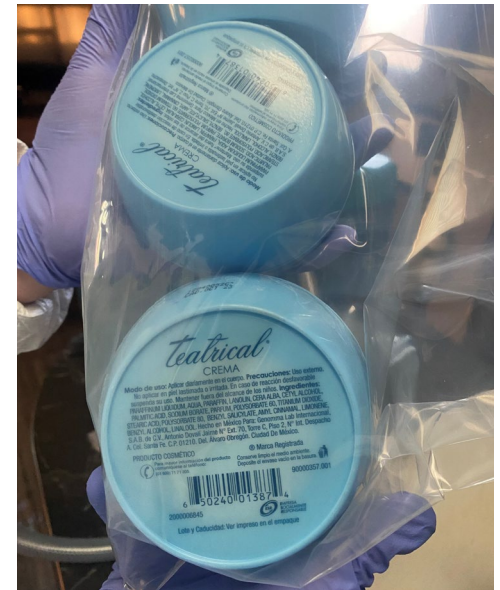




# Completed TCRAs

## Key Operational Activities:

- **Completed Time Critical Removal Actions at three sites in the NW Area:**
- Treoil – Ferndale, WA (Whatcom County); variety of CERCLA and OPA regulated waste in tanks
- Northport – Northport, WA (Stevens County); arsenic contaminated soil
- Forest Creek Road Dump – Selma, OR (Josephine County) -hazardous substances in soil affecting essential salmon habitats





# EPA Region 10

## Training

| Description               | Dates        |
|---------------------------|--------------|
| North Idaho Boom Training | 9/18-9/23/23 |
|                           |              |

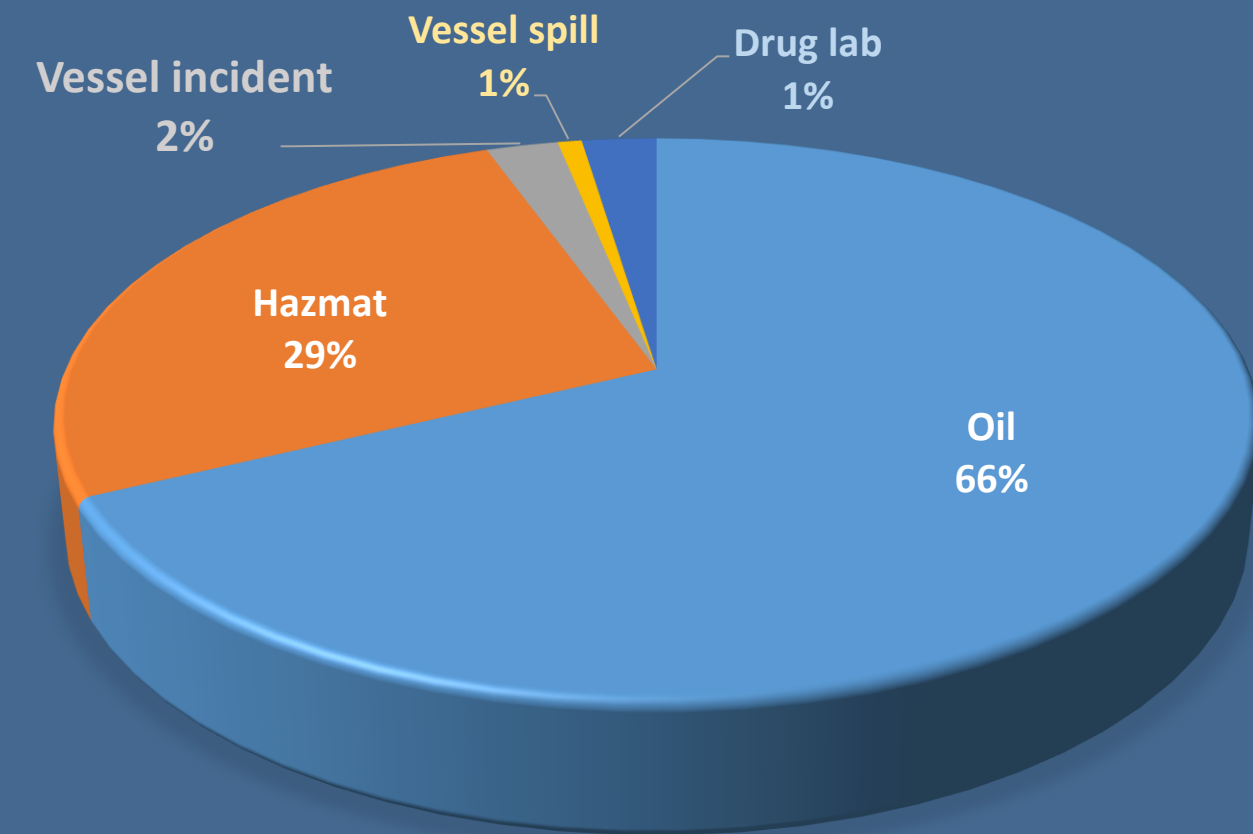
## Exercises/Workshops

| Description           | Dates    |
|-----------------------|----------|
| Andeavor Pipeline WCD | 10/27/23 |
|                       |          |

## Federal, State, and Local Planning and Coordination Efforts

| Description       | Dates         |
|-------------------|---------------|
| FEMA RISC Meeting | February 2023 |
|                   |               |
|                   |               |

|                  |           |
|------------------|-----------|
| Oil              | 3,020     |
| Hazmat/Pollutant | 1,320     |
| Vessel Incident  | 91        |
| Vessel Spill     | 57        |
| <u>Drug Lab</u>  | <u>35</u> |
|                  | 4,523     |



SPILLS RESPONDED TO PAST 12 MONTHS

# Washington SOSOC

Spills Prevention, Preparedness, and Response Program



# Tug TULALIP Sinking and Spill

Lopez Island

February 22,  
2023



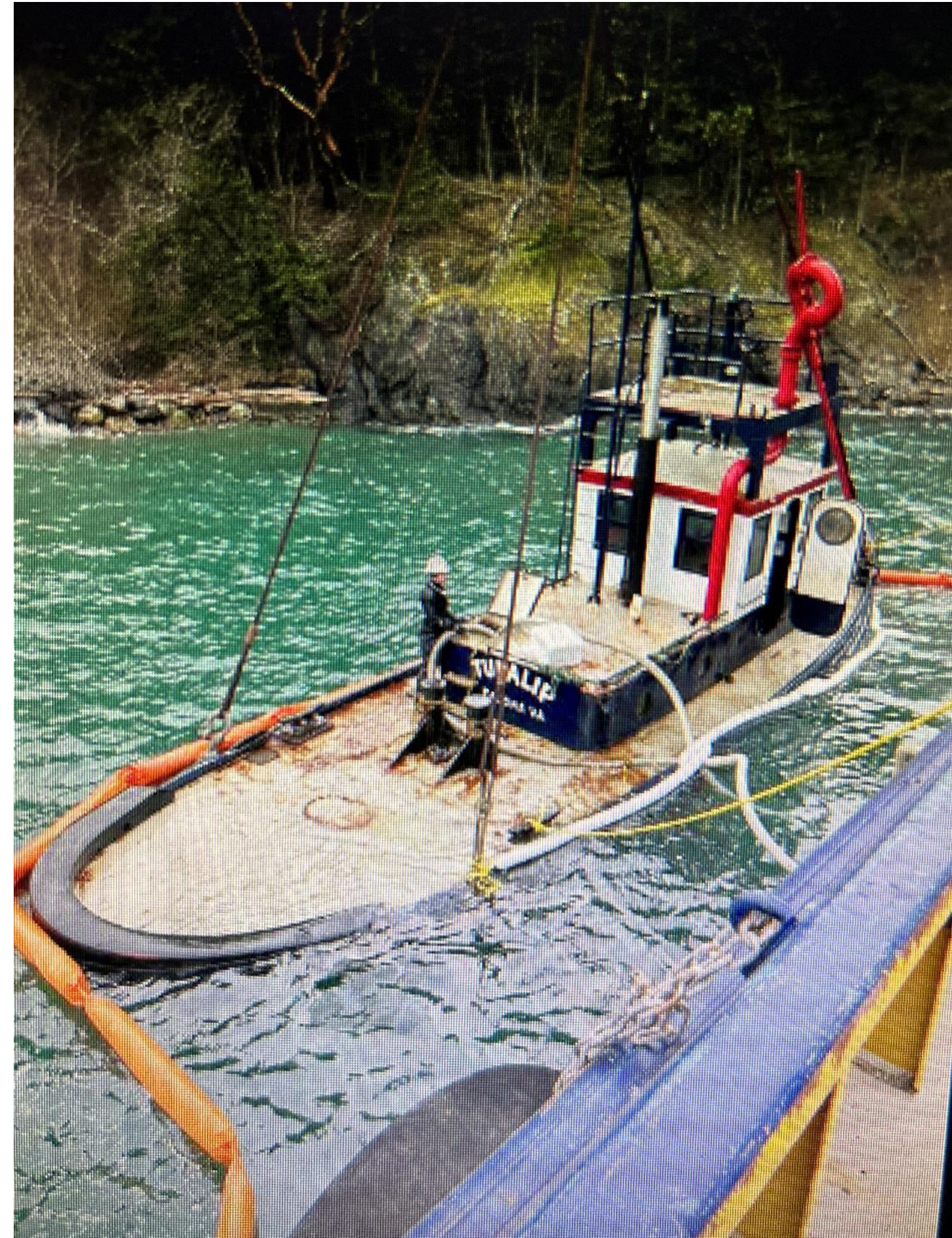
*Photo: Courtesy USCG*







*Photo: Courtesy IOSA*



*Photo: Ecology*



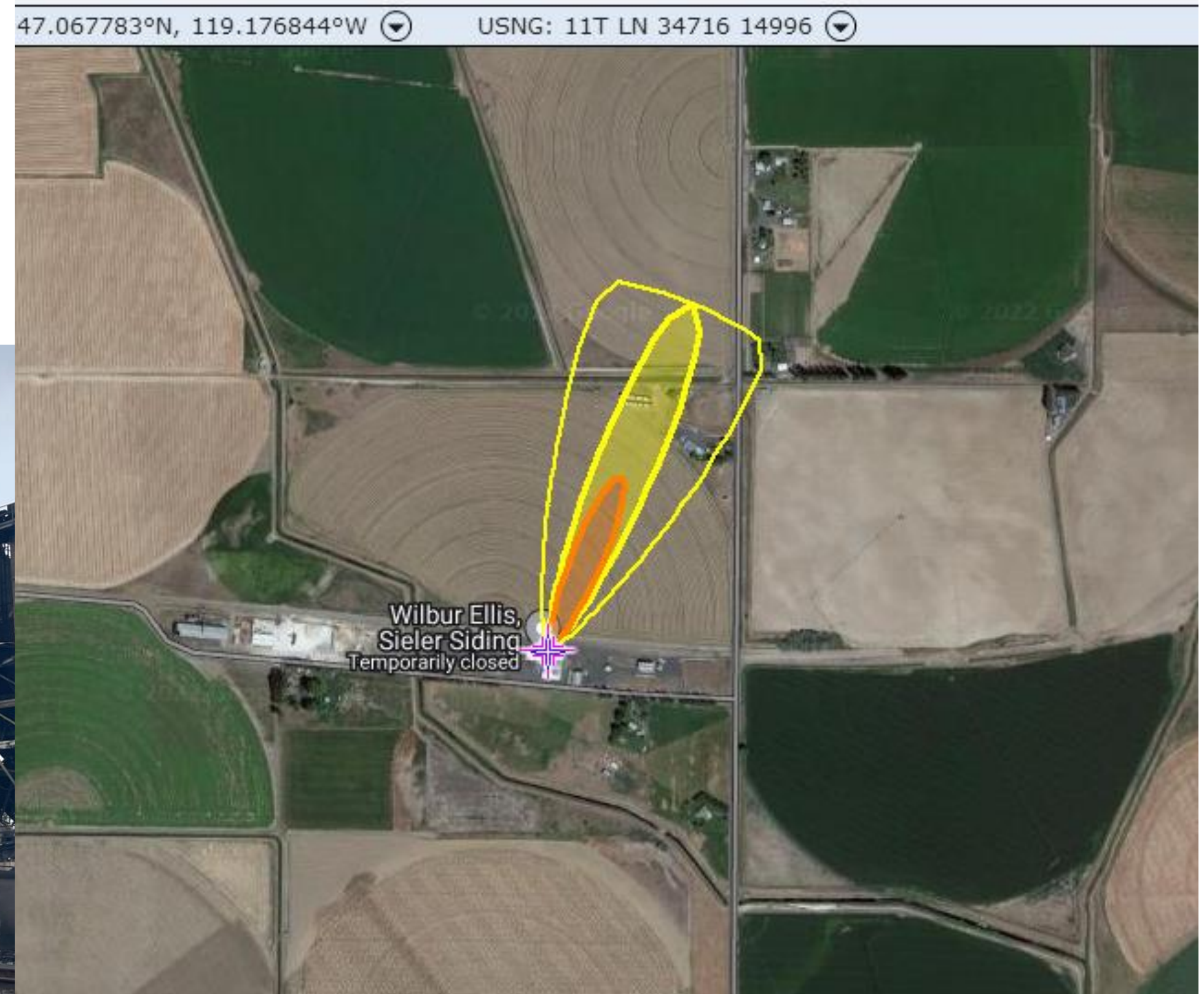
# Wilbur Ellis Fertilizer Fire

Moses Lake

Oct. 23, 2022










# Washington State EPCRA Viewer App



8:07

 **WA EPCRA**

[Close](#)

**WILBUR ELLIS CO SIELER SIDING(2021)**

14794 RD 1.3 SE, MOSES LAKE  
[\[MAP\]](#)  
[\(509\)431-2967](#)  
Manned: 8

Owner: WILBUR-ELLIS COMPANY  
LLC  
[\(415\)772-4000](#)  
345 CALIFORNIA STREET 27TH  
FLOOR, SAN FRANCISCO

ANITA PAULSSON FACILITY  
MANAGER  
[\(509\)431-2967](#)  
[\(509\)431-2967](#)  
[APAUULSSON@WILBURELLIS.COM](#)

KEVIN ANDERSON PLANT  
OPERATOR LEAD  
[\(541\)643-9336](#)  
[\(541\)643-9336](#)

8:07

[\(509\)431-2967](#)  
[\(509\)431-2967](#)  
[APAUULSSON@WILBURELLIS.COM](#)

**Chemical / Storage Listed**

6484-52-2 AMMONIUM NITRATE  
Desc: ☐ M ☐ S  
Haz:  
☒ A - Skin Corrosion or Irritation  
☒ A - Serious eye damage or eye  
irritation  
Max: 20195226 Avg: 111448 Days:  
365

R14 WAREHOUSE

007783-20-2 AMMONIUM SULFATE  
Desc: ☐ M ☐ S  
Haz:  
☒ A - Skin Corrosion or Irritation  
☒ A - Serious eye damage or eye  
irritation  
Max: 52746862 Avg: 1198138 Days:  
365

O14 WAREHOUSE  
R14 Warehouse

1302-78-9 BENTONITE  
Desc: ☐ P ☐ S  
Haz:





Diane Fowler  
Dept. of Ecology  
Hazardous Waste & Toxics  
EPCRA Coordinator  
[epcra@ecy.wa.gov](mailto:epcra@ecy.wa.gov)  
800-633-7585

*Photo: Courtesy IOSA*

*Photo: Ecology*



# Grant Update

## Restoration Grants

- 10 Projects Funded
- \$370,000
- Project Types
  - Shoreline restoration
  - Riparian habitat improvement
  - Invasive weed eradication
  - Wetland restoration

## Equipment Grants

- 41 applications
- \$6.1 million requested
- \$3.1 million to award



# Equipment Examples

- **Area RAE – Bellevue Fire**
- **Chemical Detection**
  - Chehalis Fire
  - Grant County Sheriff
  - Hoquiam
  - Yakima FPD-1 and -4
  - Renton Fire Authority
  - Skagit DEM
  - Graham Fire
  - Fend Oreille FPD-4
  - Sunnyside Fire
  - Whatcom FPD-7
- **Oil Spill Cache Trailers**
  - Chehalis Fire
  - Kalispel Indian Community
- **Wildlife Deterrence**
  - Wa Dept. of Fish & Wildlife
  - Bird Deterrence
  - Orca Location Identification
  - Other





# Restoration Updates

2022 Q4



# Wind River Shoreline Protection

Mid-Columbia Fisheries Enhancement Group  
2021 Coastal Protection Fund Grant

- Due date extended to November 30, 2022
- Final PRPR incoming





# North Creek Riparian Restoration

Snohomish Conservation District  
2021 Coastal Protection Fund Grant

- Planting complete, continued invasive weed control.





# Ovenell Slough Habitat Access Improvement

Skagit County Public Works

2021 Coastal Protection Fund Grant

- Culvert removal and pedestrian bridge installation on Ovenell Slough
- Project includes seeding, mulching and replanting the disturbed area





# Upper Tarboo Creek Wetlands Protection and Restoration

## Northwest Watershed Institute

### 2021 Coastal Protection Fund Grant

- Project complete





# Rice Paddies – Birds, Food and Water

Skagit Conservation District

2021 Coastal Protection Fund Grant



- Installation of a test plot of a rice paddy, simultaneously improving floodplain management while providing beneficial habitat to migratory waterfowl
- Amendment signed to extend project timelines
- \$36,000 project budget





## Channel

### Skagit Fisheries Enhancement Group 2021 Coastal Protection Fund Grant

- Project Complete!






# Skagit Forks Wetland Reconnection

Skagit Fisheries Enhancement Group  
2021 Coastal Protection Fund Grant


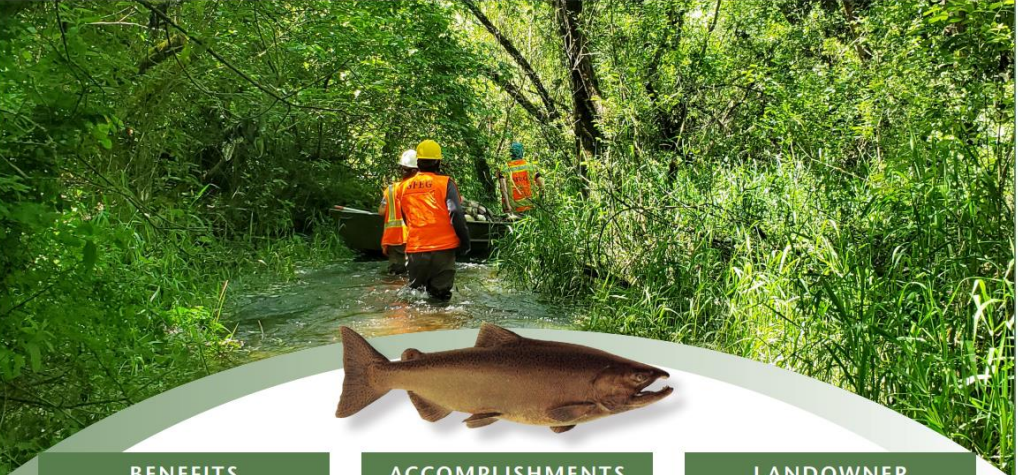
- Project complete!






PROJECT SPOTLIGHT


## Britt Slough - Skagit Forks Wetland Reconnection




| BENEFITS   | ACCOMPLISHMENTS   | LANDOWNER  |
|--|---|--|
| <ul style="list-style-type: none"><li>• Juvenile Chinook benefit from access to this rearing habitat near the Skagit estuary</li><li>• Skagit Chinook Recovery Plan estimates that over 7,000 young Chinook smolts will use this new habitat each year</li><li>• Southern Resident Killer Whales benefit from this increased food source</li></ul> | <p><b>7.8</b> acres of floodplain forested wetland for Chinook rearing habitat</p> <p><b>6,950</b> native trees planted</p> | <ul style="list-style-type: none"><li>• Washington Department of Fish and Wildlife</li></ul>   |
|  |   | PARTNERS   |
|  |   | <ul style="list-style-type: none"><li>• Skagit Conservation District</li><li>• Washington Conservation Corps</li><li>• Community Volunteers</li></ul>  |
|  |   | FUNDERS  |
|  |   | <ul style="list-style-type: none"><li>• Salmon Recovery Funding Board</li><li>• Killer Whale Conservation Fund-National Fish and Wildlife Foundation</li><li>• Washington Conservation Commission</li><li>• Washington Department of Ecology</li></ul> |




Scan the QR code to view a video about the wetland reconnection project



Skagit Fisheries Enhancement Group is a 501(c)(3) nonprofit, nongovernmental organization dedicated to involving our community in restoring salmon populations for future generations. The work done by Skagit Fisheries Enhancement Group and our volunteers and partners benefits not only salmon but our entire community that values clean water, abundant fish and wildlife, enjoyable recreation opportunities, and a beautiful Skagit Valley. Restoring salmon is not a small task, but with your help we envision a future of healthy stream teeming with salmon for our community to enjoy.



Learn about donating and volunteering at [www.SkagitFisheries.org](http://www.SkagitFisheries.org)

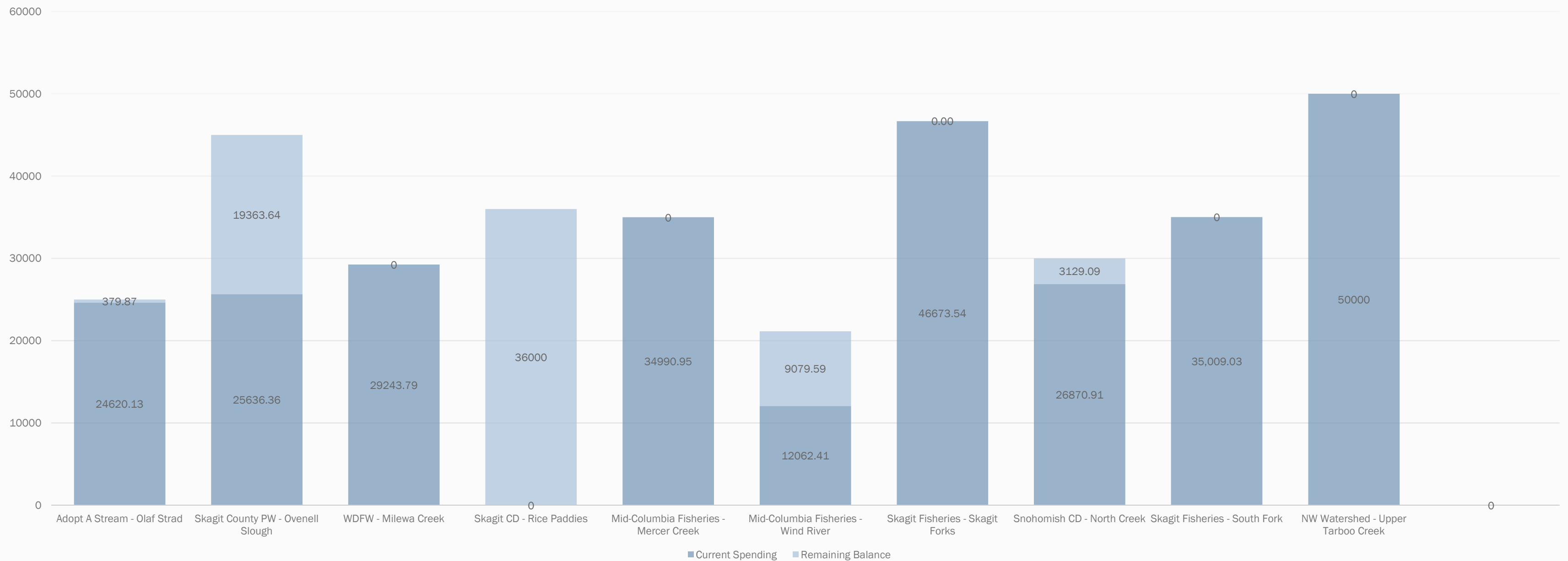






# 2021 Coastal Protection Fund Grant

JANUARY 2023  
FUNDING DISTRIBUTION





# Questions?







GLOBAL

# NO JOB TOO **DIFFICULT** OR **DEEP**

Global is a leader in the marine services industry with decades of experience safely managing complex, critical and technical projects in and around the water.

No job is too difficult or deep, and we won't stop until it's done, and done right.





# Global's Regions & Service Lines

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## Regions

- Alaska
- Washington
- California

## Service Lines

-  Commercial Diving
-  Marine Casualty Response
-  Marine Construction
-  Environmental Services





# The F/V Aleutian Aisle Salvage

REMOTE  
LOCATION



ENVIRONMENTAL  
SENSITIVITY



GLOBAL

# The F/V Aleutian Aisle Salvage

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ASSETS



GLOBAL



# The F/V Aleutian Aisle Salvage

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GAS DIVING



GLOBAL



# The F/V Aleutian Aisle Salvage

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GLOBAL

# The F/V Aleutian Aisle Salvage

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GLOBAL



# The F/V Aleutian Aisle Salvage

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GLOBAL



# Contact Us

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**Aaron Harrington**

**Phone:** (206.730.9362

**Email:**

aharrington@gdiving.com



## Regions

**Seattle:** (206) 623-0621

**West Sacramento:** (562) 424-  
4046

**Long Beach:** (707) 561-6811

**Anchorage:** (907) 563-9060

**Juneau:** (907) 780-5811

# **Emergency Response Towing Vessel (ERTV)**

- ✓ **History**
- ✓ **The Law - SB 5344**
- ✓ **The ERTV Organization**
- ✓ **Roles and Responsibilities**
- ✓ **Vessel Enrollment and Fees**
- ✓ **Risk Based Approach**
- ✓ **Operations - Who Can Hire The ERTV**



# ERTV History

- ▶ ***Trans Alaska Pipeline - 1970's***

- ▶ ***Tanker Exclusion Area off Vancouver Island***

*A voluntary Tanker Exclusion Zone created in 1985 along the BC coast to avoid potential oil spills... area was based on calculating the worst possible drift of a disabled tanker with a cargo, versus the time required for help to arrive.*

- ▶ ***Olympic Coast Area To Be Avoided***

- ▶ ***Moving SJDF Entrance Offshore***

- ▶ ***Pacific States BC Oil Spill Task Force Offshore Routing***

- ▶ ***Tug at Neah Bay Funded for Winter Weather Months***

- ▶ ***State Funding of ERTV and then... Industry Funded***

- ▶ ***Most Responses Involve Standby or Escort Services***

# Washington State Legislature

## Enacted SB 5344 in 2009

*By July 1, 2010, the owner or operator of a covered vessel transiting to or from a Washington port through the Strait of Juan de Fuca, except for transits extending no further west than Race Rocks Light, shall establish and fund an emergency response system that provides for an emergency response towing vessel [ERTV] to be stationed at Neah Bay.*



# ERTV Key Requirements and Area of Coverage

- ▶ Be available to serve vessels in distress in the Strait of Juan de Fuca and off of the western coast of the state from Cape Flattery light in Clallam county south to Cape Disappointment light in Pacific county
- ▶ Be underway within twenty minutes of a decision to deploy
- ▶ Be able to deploy at any hour of any day ... and be safely manned to remain underway for at least forty-eight hours
- ▶ In severe weather conditions, be capable of making up to, stopping, holding, and towing a drifting or disabled vessel of one hundred eighty thousand metric dead weight tons
- ▶ In severe weather conditions, be capable of holding position within one hundred feet of another vessel
- ▶ Be equipped with and maneuverable enough to effectively employ a ship anchor chain recovery hook and line throwing gun
- ▶ Be capable of a bollard pull of at least seventy short tons

# Response History

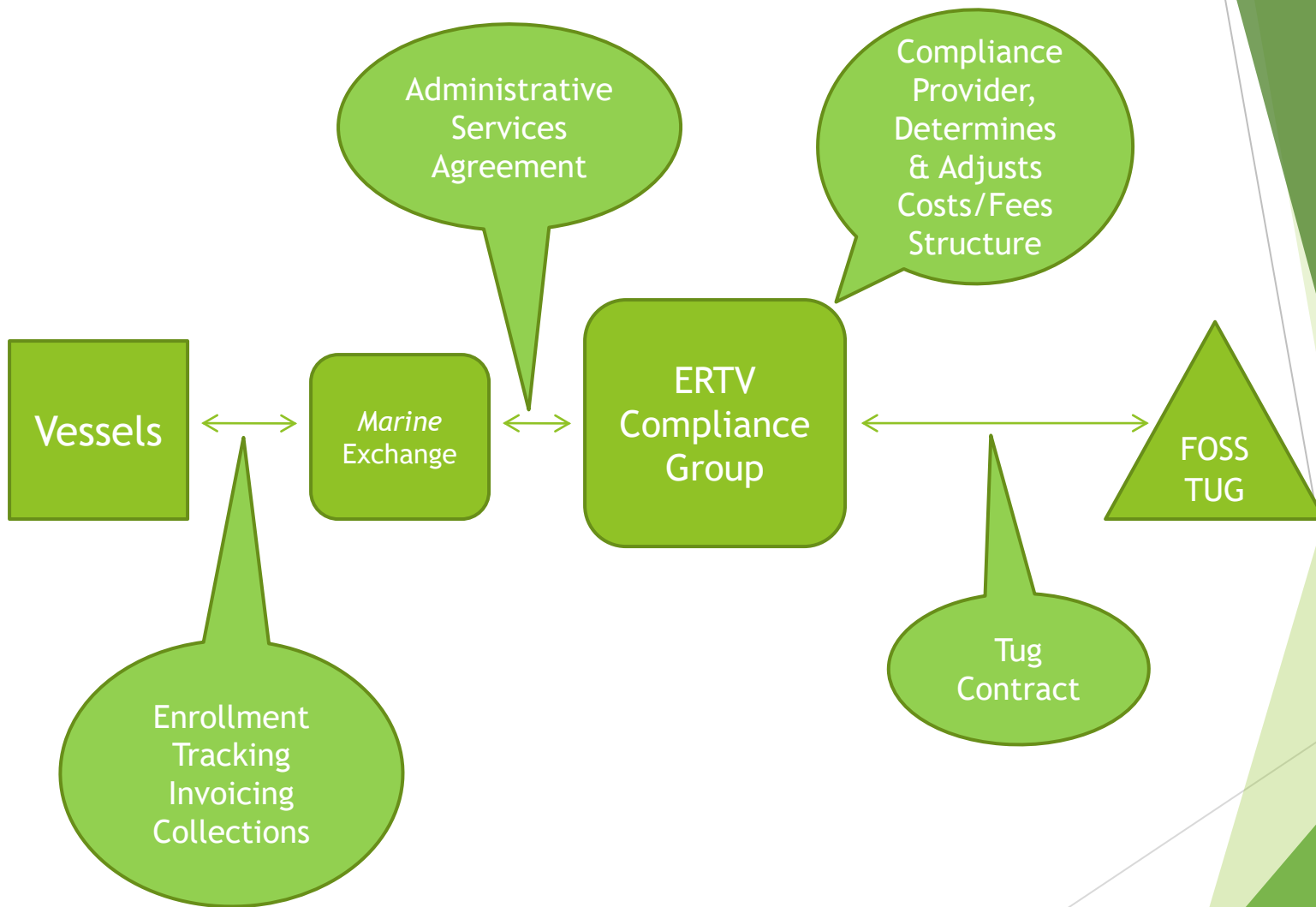
- ▶ **Average about 5 Responses/Year**
- ▶ **Most Responses Involve:**
  - ▶ Getting Underway and Turning Around as Situation Resolved
  - ▶ Standing By on Scene or Escorting (over 80% of responses)
  - ▶ Several Involved Vessels Calling on Canada (even hundreds of miles to the north; which required a backfill here)
- ▶ **Some Involved Towing:**
  - ▶ Fishing Vessel, Pleasure Craft, Tug/Tow
  - ▶ Cargo Ship Needing or Choosing a Tow
  - ▶ Some Tows Involved Vessels Hundreds of Miles Away
  - ▶ None Were in Extremis (good thing)



# **Roles and Responsibilities**

- ▶ **ERTV Compliance Group**
  - ▶ Provides Compliance Option for Covered Vessels
  - ▶ Compliance Group
    - ▶ Tank Vessel and Non-Tank Vessel Members
    - ▶ Hires Tug Service Provider to Provide Compliant Coverage
    - ▶ Sets Fee Structure to Ensure Sufficient Revenue to Pay Service Provider
    - ▶ Does NOT Dispatch or Operationally Control the ERTV
    - ▶ Actual Responses Under Separate Contract with Whoever Hires the ERTV
- ▶ **Marine Exchange**
  - ▶ Administration of Contract
  - ▶ Enrollment
  - ▶ Invoices/Collection
  - ▶ Payments to Tug Service Provider
  - ▶ Reports to ERTV CG With Revenue/Expense Information

# ERTV Process Matrix





# Denise Foss

*One of many tugs that have served as ERTV*



# Denise Foss Specs

Arctic/Ocean Towing; 110.5 Ton Bollard Pull

*Just One Example of A Tug That Has Served as the ERTV*

| VESSEL DESCRIPTION |  |
|--------------------|--|
| SERVICES           | Arctic & Ocean Towing<br>Emergency Tow                               |
| CLASS NOTATIONS    | ABS Load Line<br>✠ A1 Towing Vessel<br>Ice Class D0<br>✠ AMS, ✠ ABCU |
| HAILING PORT       | Seattle, WA  |
| CALL SIGN          | WD17810  |
| KEEL LAID          | July 30, 2013  |
| DELIVERY           | May 26, 2016   |
| REBUILT            |  |
| BUILDER            | Foss Shipyard, Rainier, OR   |

| MACHINERY      |  |
|----------------|--|
| CONFIGURATION  | Twin Screw Tug   |
| MAIN ENGINE    | (2) CAT C280-8 EPA Tier 2  |
| REDUCTION GEAR | Reintjes WAF 3455  |
| PROPELLER      | (2) 126" Dia. 3 Bladed, 124" Fixed Pitch                         |
| DRIVES/NOZZLES | Nautican with pre-swirl stators                                  |
| TOTAL RATED HP | 7,268 BHP @ 1,000 RPM  |
| BOLLARD PULL   | 110.5 ST (100 MT)  |
| MAIN GENSET    | (2) CAT C9 Genset, 215kWe, 480V (265kVA)                         |
| AUX GENSET     | (1) John Deere 4045AFM85 Emergency Genset, 99kWe, 480V (105 kVA) |
| FIRE PUMP      | (2) 10 HP Flowserve, 3" x 1.5"                                   |

| DIMENSIONS     |          |
|----------------|----------|
| REG. GT.       | 295      |
| REG. NT.       | 201      |
| ITC GT.        | 714      |
| ITC NT.        | 214      |
| DRAFT MIN      | 14'-4"   |
| DRAFT MAX      | 18'      |
| REG. LENGTH    | 123'     |
| REG. BREADTH   | 41'      |
| MOULDED DEPTH  | 20'      |
| LENGTH OVERALL | 132'     |
| BEAM OVERALL   | 44'-4"   |
| AIR DRAFT      | 60'      |
| DISPLACEMENT   | 1,276 LT |

| REGULATORY |  |   |
|------------|--|---|
| ABS LL     |  | Y |
| ABS CLASS  |  | Y |
| USCG INSP  |  | Y |
| REGISTRY   |  | Y |
| COASTWISE  |  | Y |
| SOLAS      |  | Y |

| CREWING REQ.     |  |    |
|------------------|--|----|
| DOM. < 600 NM    |  | 6  |
| INTL OR > 600 NM |  | 8  |
| MAX. BERTHS      |  | 11 |

| TANK CAPACITIES |                           |
|-----------------|---------------------------|
| FUEL CAPACITY   | 136,000 gal               |
| FUEL TYPE       | MGO                       |
| UREA            | N/A                       |
| HYDRAULIC       |                           |
| WASTE OIL       | 860 gal                   |
| BALLAST         |                           |
| HOLDING TANKS   | Sewage, Grey Water, Dirty |
| LUBE OIL        | 1,270 gal                 |
| POTABLE WATER   | 1,900 gal                 |
| NON-POTABLE     | 6,900 gal                 |

| DECK GEAR                      |  |
|--------------------------------|--|
| ANCHOR GEAR                    |  |
| BOW WINCH                      | Markey WEWD-22   |
| BOW LINE                       | 300' of 5" Circ. HMPE Line                                       |
| BOW LINE PULL & BRAKE CAPACITY | Full Drum: 10,100 LBF @ 57 FT/MIN & 200,000 LBF Brake Capacity   |
| TOW WINCH                      | Markey TDSD-40UL Double Drum                                     |
| TOW LINE                       | 3,000' of 2-1/2" Wire Rope                                       |
| TOW LINE PULL & BRAKE CAPACITY | 1st Layer: 121,220 LBF @ 33 FT/MIN & 449,489 LBF Slip Disc Brake |



# Sector (Tank/Non-Tank) Split

- ▶ 50% on probability (arrival stats)
- ▶ 50% on consequence (worse case discharge)
- ▶ Credits for Risk Reduction Measures
  - ▶ Protectively Located Fuel Tanks
  - ▶ Double Hull Cargo Tanks
  - ▶ Redundant Propulsion
  - ▶ ISO 14001, ECOPRO or Equivalent Certification
  - ▶ Repeat Callers Pay First Arrival Fee Once/Year
  - ▶ Future Changes - Alternative Fuel Use (LNG, Methanol, Ammonia..)
- ▶ Split runs close to 50/50 each year
  - ▶ Tank Vessels Pay a Slightly Higher Percentage (Oil Volumes)
  - ▶ Fees are Adjusted every July 1<sup>st</sup> as Necessary
  - ▶ Fees have Been Remarkably Stable over past 13 years

# Operations

- ▶ Available **To Be Hired** by Vessels, Coast Guard or State of Washington
  - ▶ Covered vessels
  - ▶ Non-Covered vessels
  - ▶ Vessels Calling U.S. or Canada
  - ▶ Coast Guard or State of Washington
- ▶ Each Response is a **Separate Contract** from the Charter Agreement
  - ▶ ERTV CG Charter Only Ensures a “Compliant Tug” is Available per the Requirements
  - ▶ Backfill Provided as Necessary
  - ▶ Provisions for Maintenance, Drills, Underway for Tides etc.



# QUESTIONS



# RRT10 / NWAC

## Region 10 Regional Response Team Northwest Area Committees

### 2023 Task Force Registration

The Northwest Area Committees (NWACs) have selected eight Task Forces to pursue planning goals in the Northwest Area in 2023. Task Forces typically work from February through September, and provide established work products to the NWACs in September.

New to joining a Task Force? First register to obtain login permissions and a password. [Register Here](#)

Already have a password? Sign up to join a Task Force on our website at [Subcommittees/Task Forces](#)

| Task Force                           | Summary: 6-month Work Products  | Facilitator Contacts   |
|--------------------------------------|---|--|
| ESA Compliance Task Force            | The ESA Compliance Task Force will work to update sections of the NWRCP related to Endangered Species Act compliance. Use the NRT Website to update/create a checklist: common terminology, how to distinguish between informal vs. formal consultations; Quick reference guide for informal vs. formal consultations; Update Emergency Consultation Form (9404); Finalize a Quick Response Guide supporting the Biological Opinion Op and Biological Assessment for Region 10 species. | Allison O'Brien Hall (DOI)<br><a href="mailto:allison_obrien@ios.doi.gov">allison_obrien@ios.doi.gov</a><br>and<br>Kara Pinetti (USCG D13)<br><a href="mailto:Kara.S.Pinetti@uscg.mil">Kara.S.Pinetti@uscg.mil</a> |
| Abandoned Derelict Vessel Task Force | The Abandoned Derelict Vessel Task Force will update NWRCP Section 9330 with the following: 1.) an appendix for disposal of abandoned derelict vessels (ADVs), 2.) draft guidance language on sampling, waste stream management, handoff practices between federal and state agencies, 3.) identify ADV tracking tools and a database, 4.) assessing differences in guidance/policy between Puget Sound and Columbia River areas or responsibility.                                     | LT Jamie Waterman (USCG D13)<br><a href="mailto:Jamie.N.Waterman@uscg.mil">Jamie.N.Waterman@uscg.mil</a>   |
| JIC & Liaison Manual Task Force      | The JIC and Liaison Manual Task Force will update the JIC and Liaison Manuals and templates by 1.) incorporating info gained at recent workshops (wildlife messaging, 96hr plan comms workshop), 2.) updating templates in plans to be more user friendly/accessible on OilSpills101 website, 3.) updating social media best practices in JIC manual, 4.) clarifying that JIC and Liaison manuals live in the NWRCP and are linked/referenced the Area Plans.                           | Aaron Meadows-Hills (USCG D13)<br><a href="mailto:aaron.r.meadows-hills@uscg.mil">aaron.r.meadows-hills@uscg.mil</a><br>and<br>Nhi Irwin (ECY)<br><a href="mailto:nhi.irwin@ecy.wa.gov">nhi.irwin@ecy.wa.gov</a>   |



|  |  |   |
|--|--|---|
| Health & Safety Task Force                           | The Health and Safety Task Force will review NWRCP safety sections and 1.) identify need for incorporation of ER-HMS guidelines, 2.) create health & safety messaging for responders and the public regarding chemical exposure (QUEESI), 3.) create list of health subject matter experts to be called upon during a spill response, 4.) evaluate the need for a Public Health Unit in NW Area responses.   | Laura Hayes (ECY)<br><a href="mailto:lhay461@ecy.wa.gov">lhay461@ecy.wa.gov</a><br>and<br>Riki Ott (ALERT)<br><a href="mailto:rikiott@gmail.com">rikiott@gmail.com</a>                                  |
| Comms Plan Task Force                                | The Communication Plan (Comms Plan) Task Force will assess the NWRCP Comms Plan and 1.) assess the most effective communication methods for multiagency response parties during an emergency, 2.) determine which communication methods are outdated or still valuable, 3.) determine interoperability of existing comms methods/frequencies, 4.) use the ICS 205 Comms Plan as a template, 5.) identify other communication plan resources, 6.) identify future work to continue development of a plan and not just an inventory. | Dan Smiley (WSMC)<br><a href="mailto:dansmiley@wsmcoop.org">dansmiley@wsmcoop.org</a><br>and<br>LCDR Chelsey Olson (USCG D13)<br><a href="mailto:Chelsey.G.Olson@uscg.mil">Chelsey.G.Olson@uscg.mil</a> |
| Wildlife Response Planning Task Force                | The Wildlife Response Planning Task Force will continue work begun in 2022 to revise NWRCP Section 9310 (review existing draft and modify as needed).  | Sonja Larson (ECY)<br><a href="mailto:slar461@ecy.wa.gov">slar461@ecy.wa.gov</a>  |
| Mercury Spill Prevention and Preparedness Task Force | The Mercury Spill Prevention and Preparedness Task Force will seek to reduce mercury spill incidents in Region 10 through 1.) public outreach initiatives to increase awareness and education (e.g. focus sheets), 2.) signage at hazardous waste facilities, disposal initiatives or funding options (e.g. buy back programs), 3.) education for local public health professionals and responders, 4.) add response resources to WRRL, 5.) establish recommendations for prevention and mitigation of spills.                     | Lori Muller (EPA R10)<br><a href="mailto:muller.lori@epa.gov">muller.lori@epa.gov</a>   |
| *Southern Resident Orca Deterrence Task Force*       | The Southern Resident Orca Deterrence Task Force will identify issues and challenges with whale deterrence and funding options for preparedness and response. Suggested 6-month work products include: 1.) 1-2 day workshops, 2.) recommendations or white papers detailing timely and effective deterrence within the Southern Resident Orca critical habitat.  | LTJG Karen Hovey (USCG Sector Puget Sound)<br><a href="mailto:Karen.a.hovey@uscg.mil">Karen.a.hovey@uscg.mil</a>  |



NATIONAL MARINE  
**SANCTUARIES**

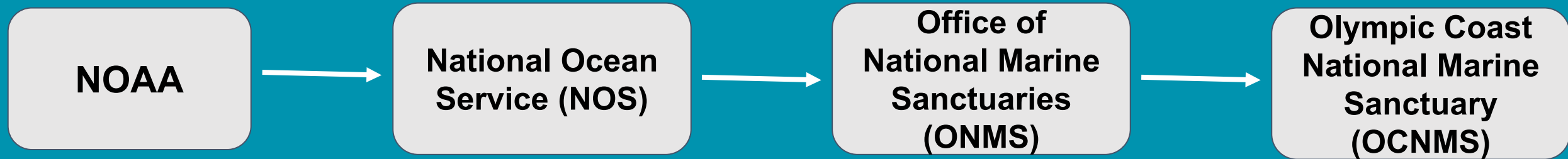




# OLYMPIC COAST NATIONAL MARINE SANCTUARY Overview

Katie Wrubel, Resource Protection Specialist, [katie.wrubel@noaa.gov](mailto:katie.wrubel@noaa.gov)

# NOAA AND OLYMPIC COAST





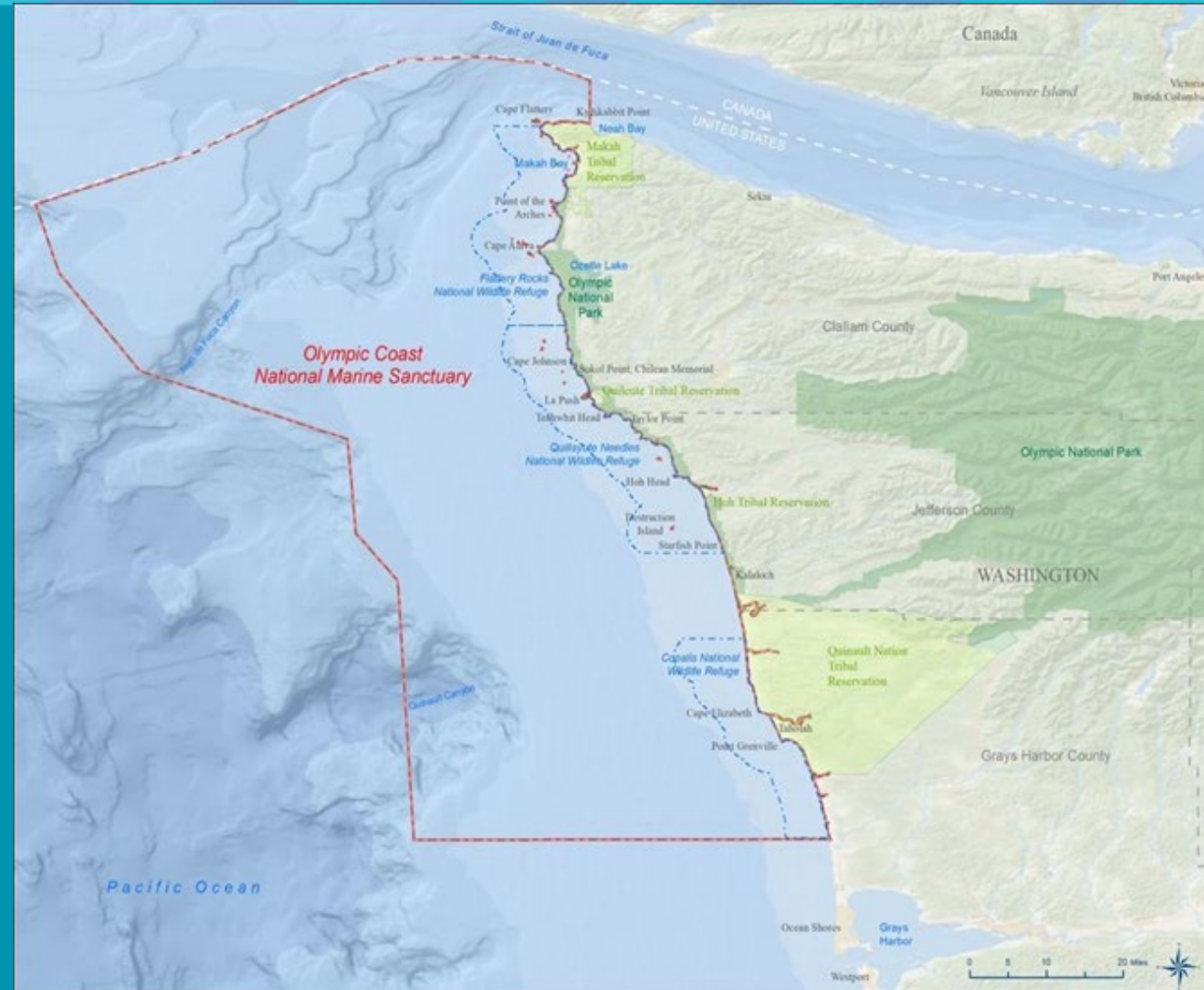
# NATIONAL MARINE SANCTUARY SYSTEM



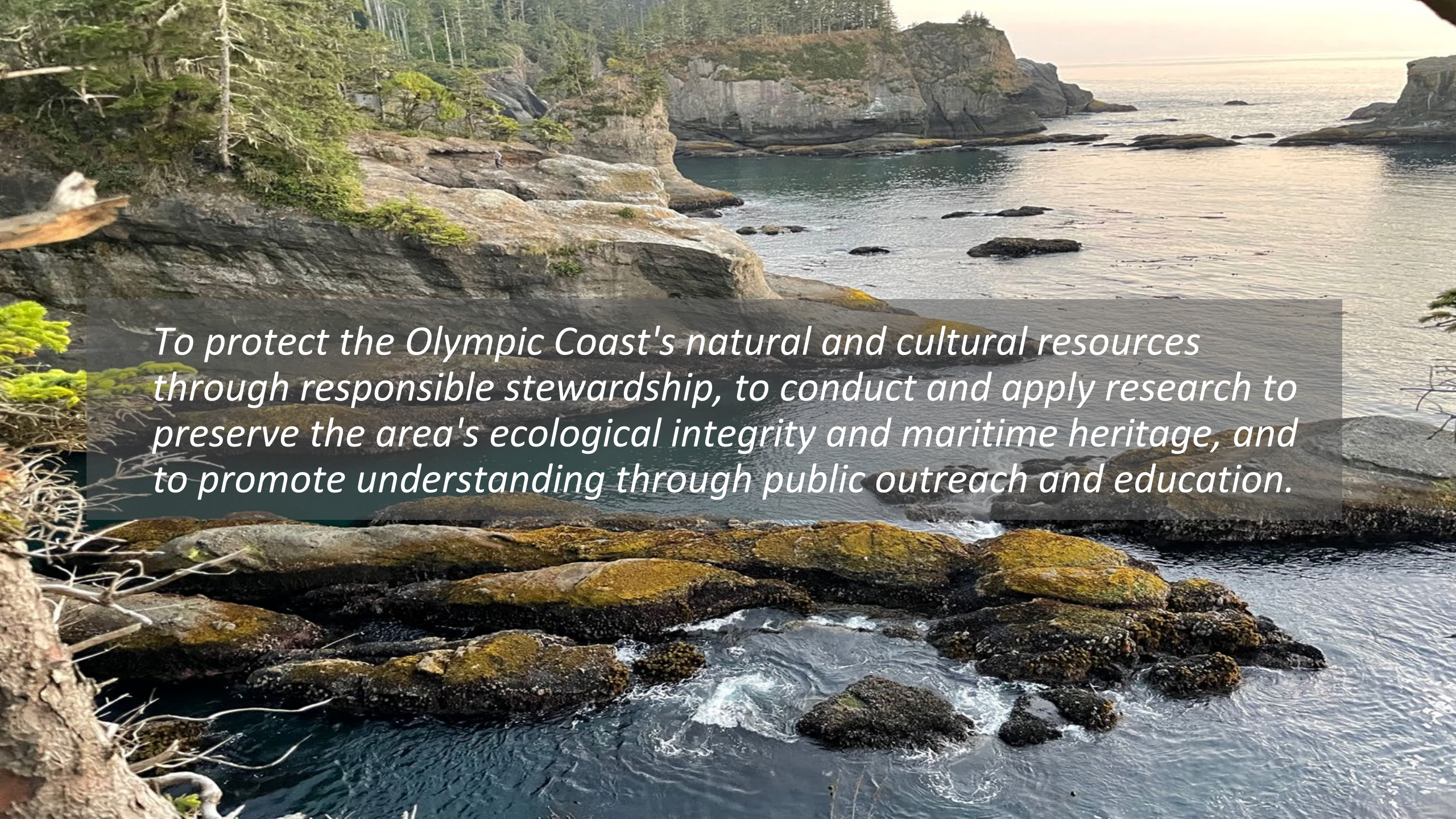


# OLYMPIC COAST NATIONAL MARINE SANCTUARY

- 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, Makah, and Quileute tribes 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, with a soft, warm glow from the setting or rising sun reflecting on the water's surface. The sky is a pale, hazy blue.

*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.*



# OLYMPIC COAST NATIONAL MARINE SANCTUARY

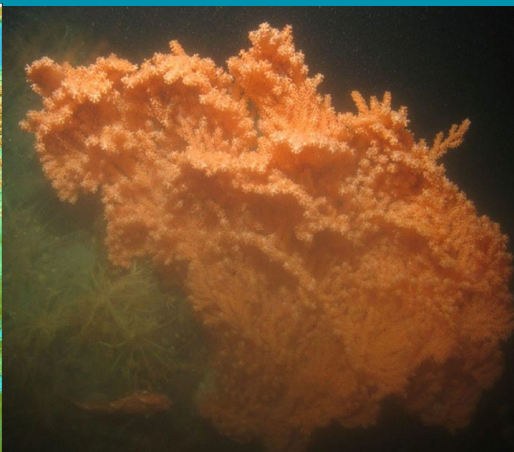
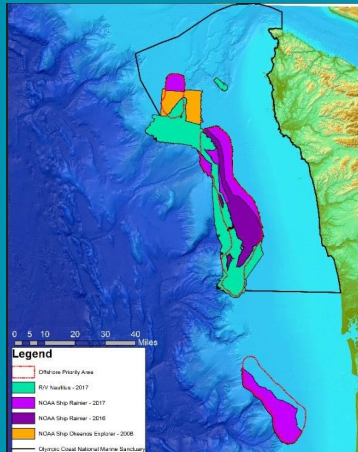
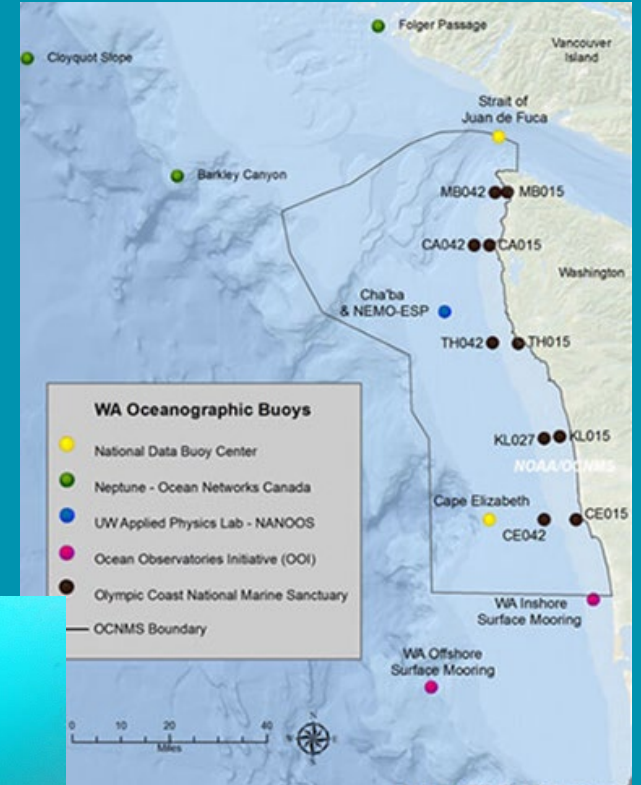
The following activities are prohibited within Olympic Coast National Marine Sanctuary, with some exceptions ([15 CFR 922 Subpart O](#)):

- Exploring for or developing oil or mineral resources
- Moving, removing or injuring historical or cultural sanctuary resources
- Discharging or depositing any material, e.g., dredge spoils
- 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

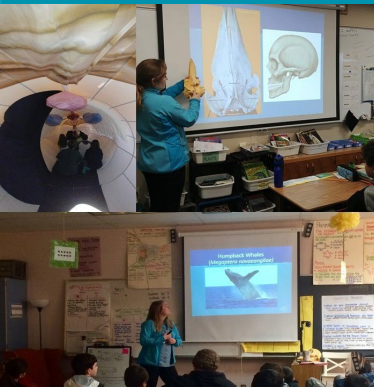
- **Research** - to gather critical data on threats and the status of sanctuary resources
  - Collaborative research, assessments and monitoring to inform ecosystem-based management
  - Oceanographic moorings, intertidal and kelp monitoring, deep-sea coral and sponge cruises, seafloor mapping, acoustics





# OLYMPIC COAST NATIONAL MARINE SANCTUARY

- **Education and outreach** - to educate the public on issues facing the sanctuary and promote awareness.
  - Improve ocean literacy through K-12 and higher education, place-based education and funding opportunities, visitor services and community outreach





# OLYMPIC COAST NATIONAL MARINE SANCTUARY

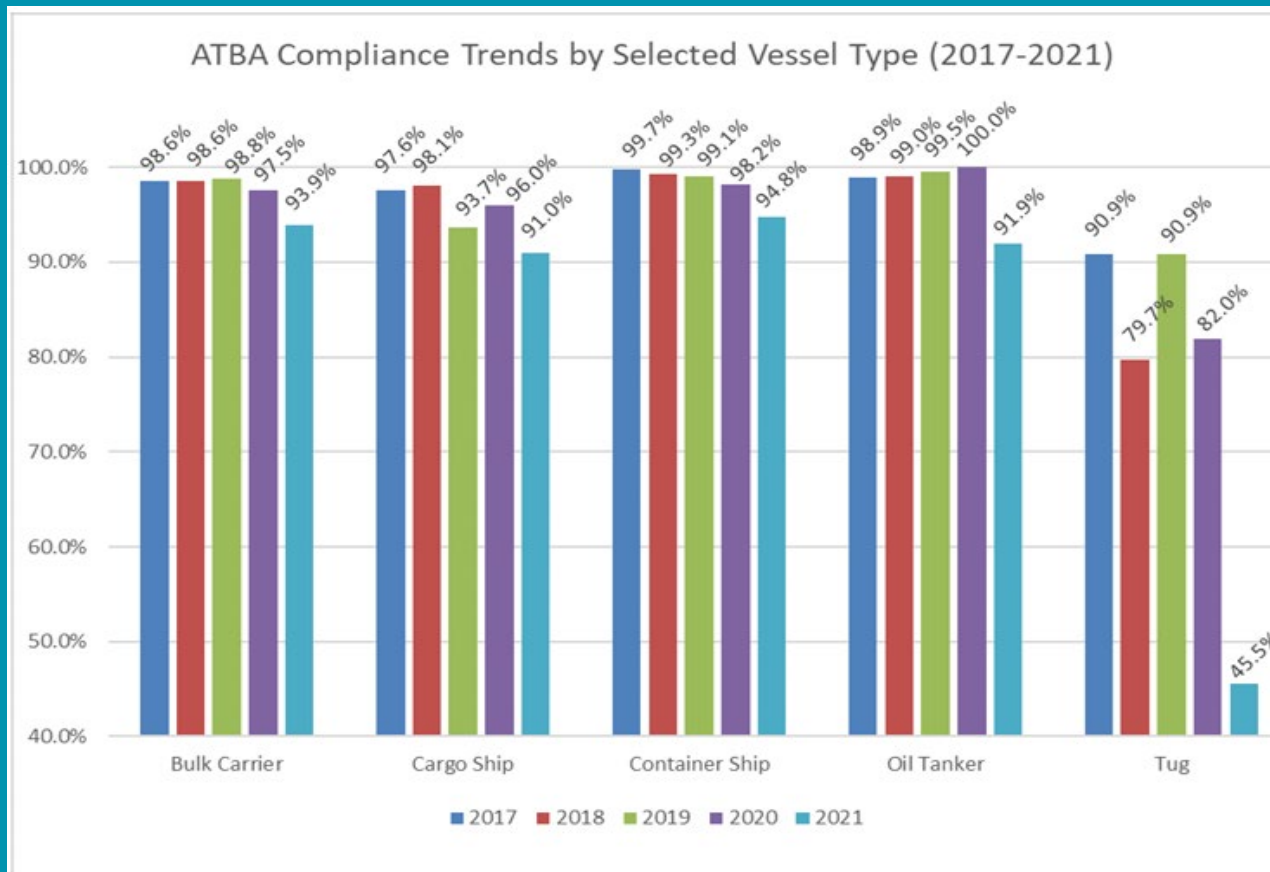
- **Resource Protection** - to reduce human threats and promote appropriate uses of sanctuary resources
  - Oil spill prevention, preparedness, response, and restoration; Wildlife, habitat, water quality, and maritime heritage resource protection; Marine debris
  - Issue permits for some prohibited activities





# AREA TO BE AVOIDED

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





# INCIDENTS AND SPILLS

- Notification of incidents within or which could impact OCNMS resources or quality
- Incident Command System
  - EU and other positions
- Dispersant policy
  - Case-by-case authorization within OCNMS
- Research vessel *Storm Petrel*

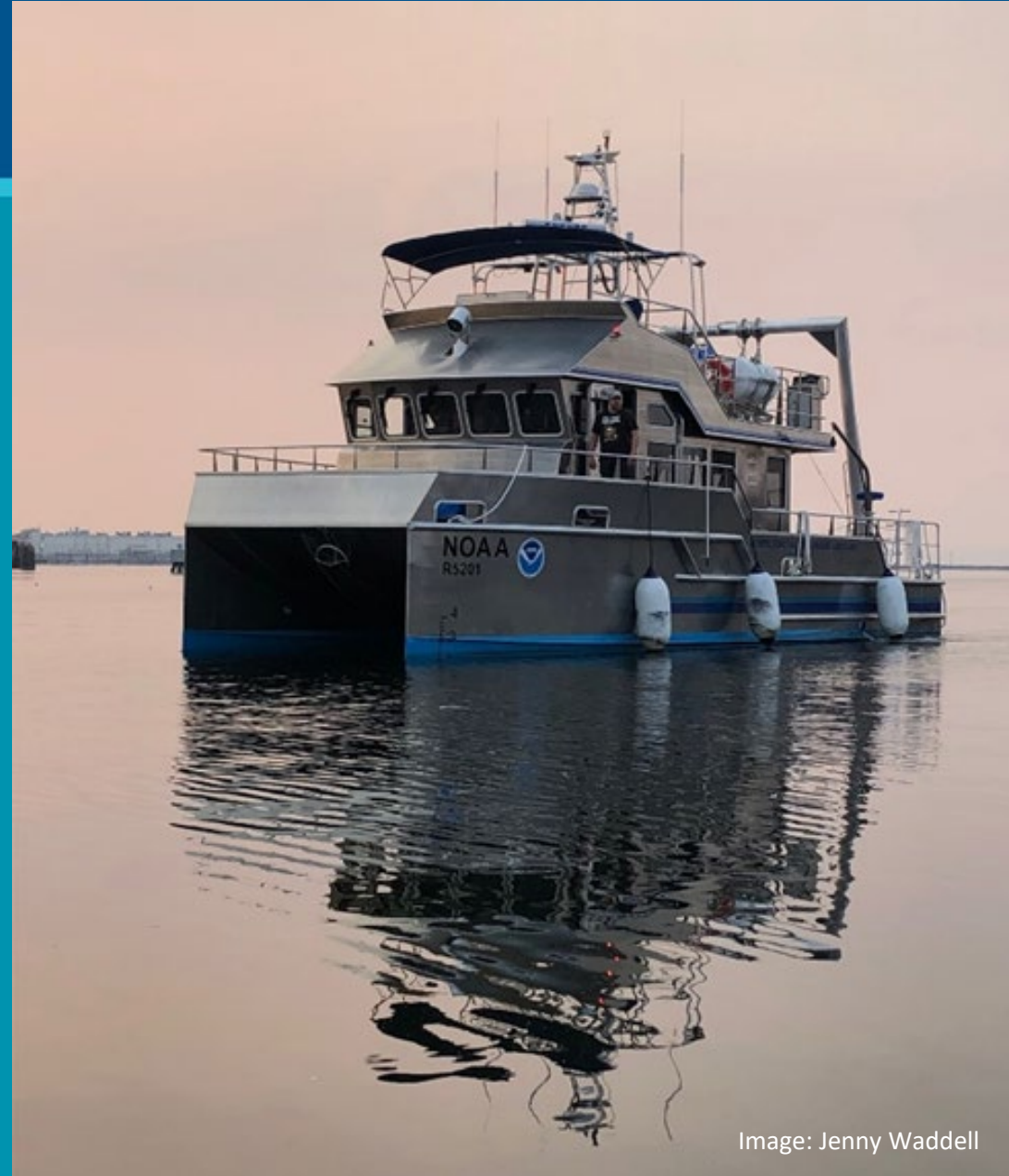


Image: Jenny Waddell

# MANAGEMENT PLAN REVIEW



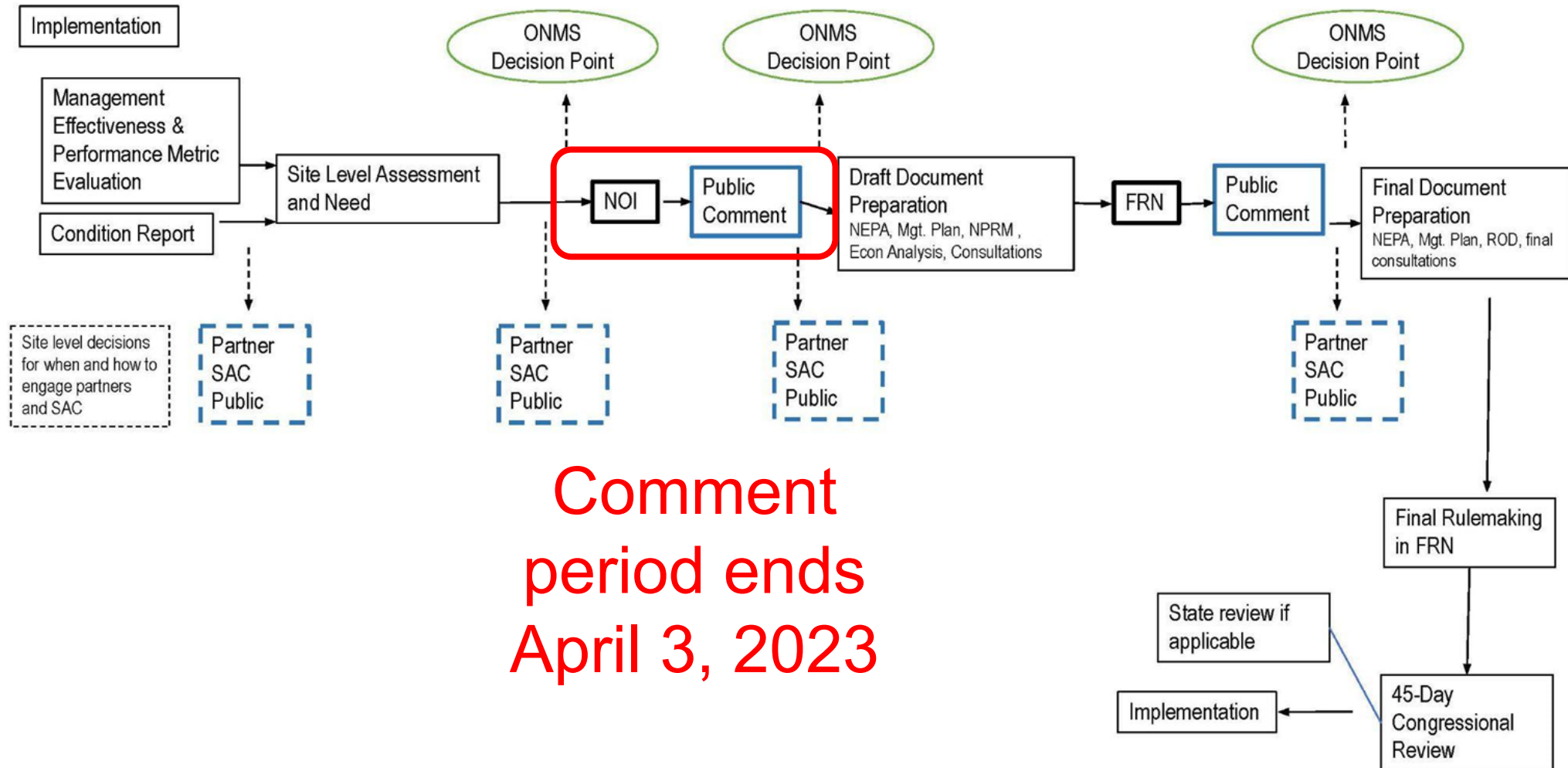
- Review of existing management plan
- Public and partners to weigh in on sanctuary priorities for next 5-10 years
- Potential for regulatory changes
- <https://olympiccoast.noaa.gov/management/mpr/>



Photo: Matt McIntosh



# MPR TIMELINE



QUESTIONS?







**OLYMPIC COAST  
NATIONAL MARINE SANCTUARY**

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



# ***PACIFIC STRIKE TEAM CAPABILITIES BRIEF***



**LT Clayton P. Harts**  
Pacific Strike Team Operations Officer

**CDR Stacey L. Crecy**  
Pacific Strike Team Commanding Officer  
**LCDR Kasey L. Arguelles**  
Pacific Strike Team Executive Officer







# NSF Mission



- “Special Team” to assist USCG & EPA Federal On Scene Coordinators & other federal officials while executing responsibilities under the NCP & NRF.
- Develop & provide highly trained, personnel & specialized equipment for response to oil pollution, hazardous substance releases, & WMD incidents to protect public health & the environment.
- **What We Do:**
  - Oil Spill Response
  - Hazardous Substance & CBRN Response
  - Oil & Chemical Pumping
  - Radiological Response
  - WMD Response – Radiological & Bio-Terrorism
  - Decontamination
  - Boat Ops
  - ICS & Response Management Support
  - Preparedness Exercise & Event Planning
  - Confined Space Entry / Rescue



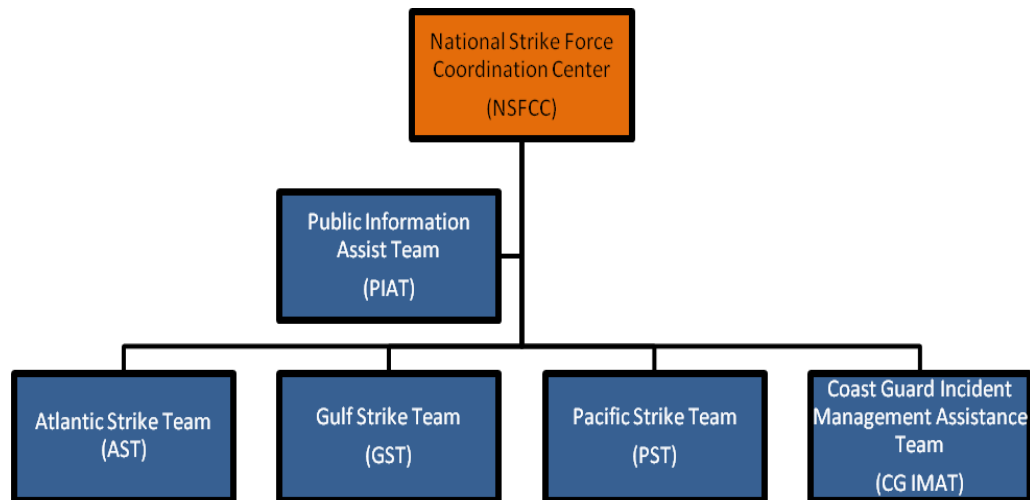
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# Chain of Command



- Program Manager: CG-7214
- OPCON: NSF Commander
- NSFCC falls under LANT-35IM



- Request Process:
- Urgent (CPN/FPN) – Strike Team can launch on a verbal request
- Non-Urgent – Strike Team must be requested through the RFF process



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# PST Organization



- 8 Officers
- 3 Civilians (Industrial Hygienist, Training Coordinator, Facilities)
- 29 Enlisted
  - 6 MST
  - 7 MK
  - 4 DC
  - 5 BM
  - 2 YN
  - 2 SK
  - 1 EM
  - 1 ET
  - 1 HS



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# ICS Capabilities



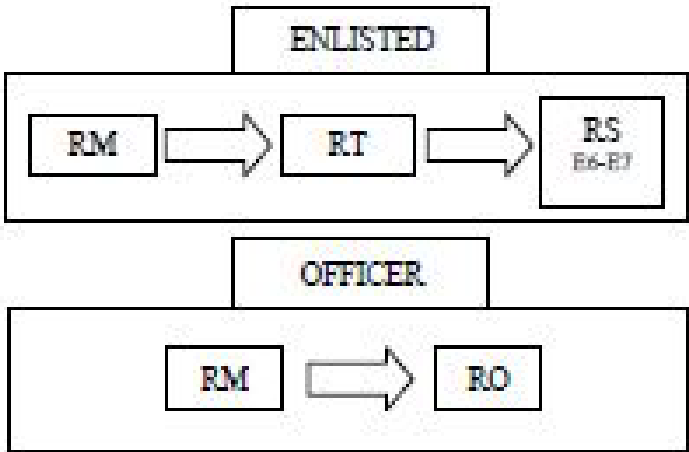
- 3 Incident Commander (IC)
- 4 Safety Officer (SOFR)
- 5 Operations Section Chief (OSC)
- 5 Planning Section Chief (PSC)
- 1 Finance Section Chief (FSC)
- 1 Logistics Section Chief (LSC)
- 21 Division/Group Supervisor (DIVS)







# NSF Qualifications



## HAZWOPER EQUIVALENCY

| NSF Qual Level | Emergency Response             | Post-Emergency Cleanup |
|----------------|--------------------------------|------------------------|
| RM             | Hazardous Materials Technician | General Site Worker    |
| RT             | Hazardous Material Specialist  | General Site Worker    |
| RS/RO          | Incident Commander             | Manager/Supervisor     |

- Response Member (RM)
  - All members within 4 months of reporting
- Response Technician (RT)
  - All enlisted within 18 months of reporting
- Response Supervisor (RS)
  - All enlisted E-6 and above within 30 months of reporting
- Response Officer (RO)
  - All officers within 18 months of reporting
- MER Manual – FOSCR/RO/RS



# Area Specialist Program



- “The Area Specialist Program establishes the framework by which NSF personnel become subject matter experts for designated areas, build and maintain relationships with the response community, and become the primary communication link between the FOSC and the NSF.”



- Provides Point of Contacts at the Pacific Strike Team besides the Command Cadre to touch base, ask questions and facilitate open communications between Sectors and the NSF.
- Area Specialists:
  - District 11
  - District 13
  - District 14
  - District 17





# Readiness/Preparedness



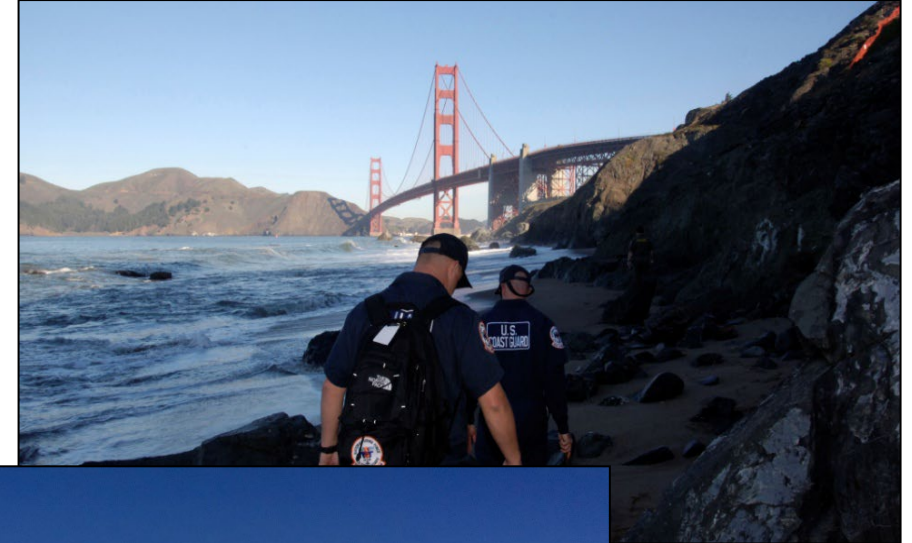
- Competency Drills
  - Full Scale Exercises
  - Annual/Joint Exercises
  - RFO
- Duty Teams
    - 12 person
    - 6 Person Rapid Response Team
  - Collateral Duties
    - EMT
    - Boat Crew (TANB/Skiff)
    - CDL
    - ICS Quals
    - FOSCR
    - Confined Space Entry/Rescue
  - International Readiness



# Response



Average Responder  
Deploys 120-180  
days/year



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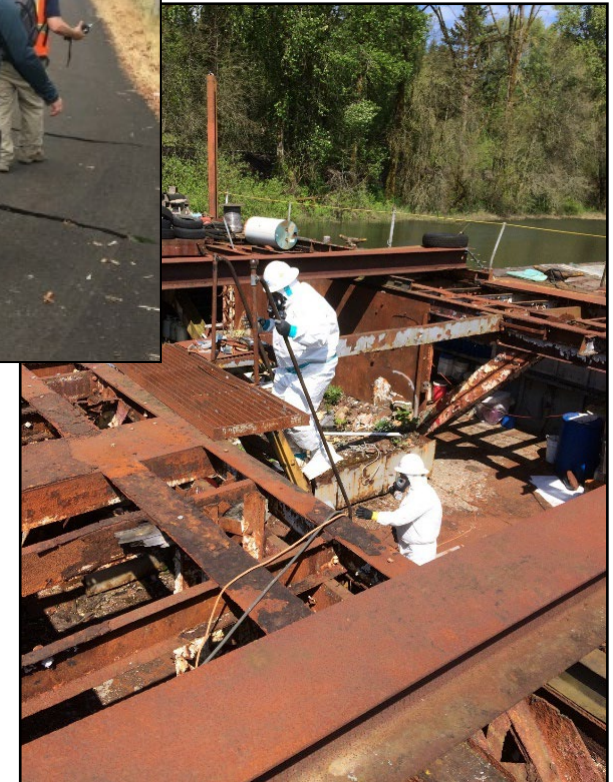




# Hazardous Substance & CBRN Response



- Level A - C Entry & Decon
- Site assessment, characterization & mitigation
- Multi-media sampling, field testing & lab analysis
- Evidence & Chain-of-custody
- HAZMAT & CBRN ID
- EMTs & Site Safety
- Contractor oversight



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# Confined Space Entry/Rescue



- Entry into permit required confined spaces.
- Purpose of identifying and mitigating hazardous substance release or oil discharge.
- Capability to perform rescue of personnel suffering injury within space.







# Oil Spill Response



## Equipment:

- Skimmers & skimming systems
- Boom
- Damage Assessment Tools
- Special monitoring equipment  
fluorometry (water) & particulate (air)

## Expertise:

- Contractor & RP Oversight
- Cost documentation
- Equipment Deployment
- Incident Management
- Oil Removal
- Salvage Monitoring & Liquid Transfer
- Shoreline Assessment
- Site Safety
- Source Control



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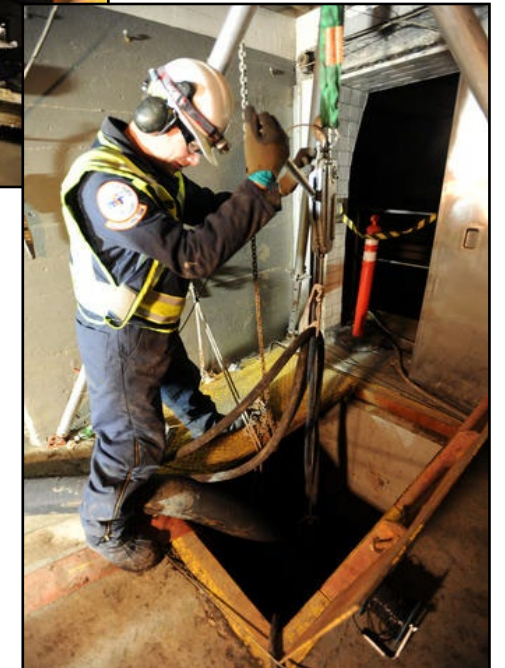




# Oil/Chemical Pumping Capability



- Oil pumping  
Light/sweet crude to heated asphalt with the Enhanced Viscous Oil Pumping System (eVOPS).
- Pumps
  - CCN 150 (centrifugal)
  - Wildens P1, P8, M15 (pneumatic diaphragm)
  - Desmi (DOP 250)
  - VOPS (DOP 160/250) heavy, viscous products; annular ring for heated water injection
- Chemical pumping: broad range of chemicals
  - CCN 150 with chemical fittings/hoses
  - Teflon diaphragm pumps
  - Peristaltic



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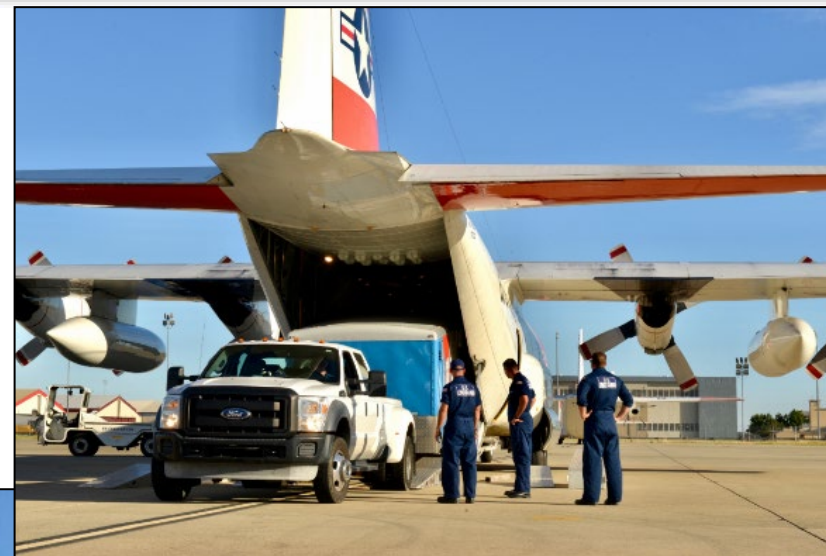




# Special Events



- Fleet Week
- Super Bowl
- RNC/DNC
- Inauguration
- Coastal Trident
- RIMPAC



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# New & On the Horizon



- New capabilities:
  - CISAR
  - Robots
  - Thermal Stress
  - CWMD Integration
  - UAS



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Trenton Brown, LTJG  
USCG Pacific Strike Team  
Chemical Division Officer

(415) 720-4170

Trenton.d.brown@uscg.mil



**Northwest Area Committees Meeting**  
**28 February 2023 – Anacortes, WA**  
**Sign In Sheet**

| Name              | Agency/Affiliation       | Email                                     | Add to NWAC List Serve? |
|-------------------|--------------------------|---|-------------------------|
| Brian Geer        | Swinomish                | bgeer@swinomish.nsn.us<br><del>fbre</del> | yes                     |
| Kyrion Gray       | OR OGA                   | Kyrion.gray@deg.oregon.gov                |                         |
| Debra Gable       | ATSDR                    | dfg@cdc.gov                               |                         |
| Scott McCreery    | HF SINCIRIZ              | scott.mcCreery@hfsinciriz.com             |                         |
| Chris Battaglia   | Focus Wildlife           | chris@focuswildlife.org                   |                         |
| Dean Johnston     | USCG                     | christopher.d.johnston@uscg.mil           |                         |
| Enca Bates        | Ecology                  | enca.bates@ecy.wa.gov                     |                         |
| Karen Denny       | Ecology                  | karen.denny@ecy.wa.gov                    |                         |
| Brandon Sulfridge | USCG                     | Brandon.R.Sulfridge@uscg.mil              |                         |
| Emily Anderson    | Phillips 66              | Emily.Anderson@p66.com                    | Yes                     |
| Brian Svec        | Port of N.B.             | brian.svec@nktk.ca                        | Yes                     |
| Stephanie Wanning | EPA                      | wanning.stephanie@epa.gov                 |                         |
| Wes Fisher        | OR DEQ                   | Wes.Fisher@deg.oregon.gov                 |                         |
| Lovel Pratt       | Friends of the San Juans | lovel@sanjuans.org                        | yes                     |



**Northwest Area Committees Meeting**  
**28 February 2023 – Anacortes, WA**  
**Sign In Sheet**

| Name              | Agency/Affiliation        | Email                           | Add to NWAC List Serve? |
|-------------------|---------------------------|---------------------------------|-------------------------|
| Sarah Cerda       | IOEM                      | scerda@imnd.idaho.gov           |                         |
| Christopher Burns | Jamestown S'Klallam Tribe | cburns@jamestowntribe.org       |                         |
| Arthur Seaman     | HF Sinclair               | Artie.Seaman@HFSinclair.com     |                         |
| Jon Ladyga        | USCG                      | jonathan.w.ladyga@uscg.mil      |                         |
| PATRICK HILBERT   | USCG/FOSC/SPS             | patrick.m.hilbert@uscg.mil      |                         |
| Natalie Lowell    | Makah Tribe               | nclowell@uw.edu                 |                         |
| Chris Caprio      | WA EMD                    | Christopher.Caprio@mil.wa.gov   |                         |
| Sae Koulhaas      | MARATHON PETROLEUM        | SBKOLHAAS@MARATHONPETROLEUM.COM |                         |
| Matt Solum        | NOAA/NWS                  | matt.solum@noaa.gov             |                         |
| Lori Muller       | U.S. EPA                  | muller.lori@epa.gov             |                         |
| Kyle Vincent      | NOAA                      | Kyle.Vincent@noaa.gov           |                         |
| Carol Reamer      | Makah Tribe               | Carol.reamer@makah.com          |                         |
| Robert McFarland  | USCG D13                  | robert.e.mcfarland@uscg.mil     |                         |
| Jenna Rolf        | Makah Tribe               | rolfja@seattleu.edu             |                         |

**Northwest Area Committees Meeting**  
**28 February 2023 – Anacortes, WA**  
**Sign In Sheet**

| Name                 | Agency/Affiliation | Email                          | Add to NWAC<br>List Serve? |
|----------------------|--------------------|--------------------------------|----------------------------|
| Tom Gideon           | SWFE               | tom.gideon@swfe.org            |                            |
| Heather Spore        | Swinomish          | hspore@swinomishonsn.us        |                            |
| Keri Cleary          | SITC               | kcleary@swinomish.nsh.us       |                            |
| Beth Sheldrake       | EPA                | sheldrake.beth@epa.gov         |                            |
| Kimberlee Van Patten | Oregon Dept        | Kimberlee.Van-Patten@odf.org   |                            |
| JASE Brooks          | ECY                | JASE.BROOKS@ecy.wa.gov         |                            |
| Allison Hall         | DOT                | allison.hall@dot.wa.gov        |                            |
| Dave Mulligan        | PHMSA              | david.mulligan@dot.gov         | yes                        |
| DAN BROADMURST       | USCG D13           | DANIEL.S.BROADMURST@USCG.mil   |                            |
| Max Gordon           | Ecology            | max.gordon@ecy.wa.gov          |                            |
| Carlos Clements      | Ecology            | Carlos.Clements@Ecology.wa.gov | YES                        |
|                      |                    |                                |                            |
|                      |                    |                                |                            |
|                      |                    |                                |                            |



| NWAC Meeting Virtual Attendees - 2/28/2023        | NWAC Meeting Virtual Attendees - 2/28/2024        |
|---|---|
| Alison Meyers (ECY) (Alison Meyers)               | LTJG Karen Hovey                                  |
| Allie Taylor                                      | Maniksaq Baumgartner                              |
| Arthur Leskowich (ACOE) (Arthur Leskowich)        | Mark Dietrich (IDEQ) (Mark Dietrich)              |
| awmcafee  | Matt Melton International Bird Rescue             |
| B. Hawley   | Michael Heffner# KFD                              |
| Brad Martin (EPA) (Brad M)                        | Mike Moore# Pacific Merchant Shipping Association |
| Brian Haug# BIA NW Region                         | Montana McLeod (WDFW) (Montana McLeod)            |
| Brian MacDonald (ECY) (Brian MacDonald (Ecology)) | mparry  |
| Bryan Alonso                                      | MSIBLEY (EPA) (MSIBLEY)                           |
| CDR Faith Knighton# NOAA                          | Nora Haider (ECY)                                 |
| chris   | Rainer Luhrs                                      |
| Craig Cornell - MSRC                              | Sabrina Floudaras (ECY) (Sabrina Floudaras)       |
| Dale Raymond (US Ecology) (Dale Raymond)          | Sarah Hardisty (CTCLUSI) (Sarah)                  |
| Dan Smiley  | Shane Stuntz                                      |
| Danielle Plenge# WA EMD                           | Shannon Seevers MSRC                              |
| Dave Byers (ECY) (DBYE461)                        | Shawn Zaniewski (ECY) (Shawn Zaniewski)           |
| Dave Halloran                                     | SPS IMD   |
| Dean Ehlert - Idaho DEQ                           | Susan Forsythe / WA State EMD                     |
| Don Pettit (ODEQ)                                 | Thomas Sharp KCOEM                                |
| GBROWN (ODEQ) (GBROWN)                            | Tiffany Gallo - MSRC                              |
| Greg Buie - NPFC                                  | Tiffany Royal (NWIFC)                             |
| Heather Parker# US Navy NOSC Navy Region NW       | Todd Hass# Puget Sound Partnership (he/him)       |
| Illeana Alexander   CTCLUSI                       | Trenton Brown                                     |
| John Veentjer                                     | Valerie Chu (USFWS)                               |
| Jose Rios   |   |
| Josh Carter                                       |   |
| Joshua Andresky# MST1                             |   |
| Julie Raymond                                     |   |
| Kaitlin Lebon (Ecology)                           |   |
| Katie Wrubel                                      |   |
| Kerry Walsh                                       |   |
| Kimberlee Van Patten - DEQ                        |   |
| Leila Whitener                                    |   |
| LT Kandon Burton                                  |   |