

Project Summary Report

Education & Outreach



Project Reporting Period: January 2025 - December 2025

Grant number: OTGP-2024-JeCoWS-00046

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Jefferson County
**Marine
Resources
Committee**



PUGET SOUND
PARTNERSHIP



**Northwest
Straits**
INITIATIVE

Overview

Jefferson MRC supports active stewardship of East Jefferson County's marine resources by implementing an ongoing education and community outreach program with the intention of reaching multiple audiences through a diversity of strategies. This includes producing educational workshops, engaging the public in hands-on marine stewardship projects, and fostering public appreciation of the marine resources of the Salish Sea. We work with many partners to conceptualize, advertise, carry out, and find support for these efforts.

Project Leads: Brenda Johnson, Betsy Carlson (Wooden Boat Festival), Sarah Fisker (other events), Roy Clark (Crabbing 101)

Other Subcommittee Members: Frank Handler, Janette Mestre, Emily Buckner

Project Goals

The goals of our education and outreach project were to:

- increase community understanding and appreciation of Salish Sea species, habitats, and ecological processes
- make the public aware of emerging issues that may impact marine resources
- inspire everyone to engage in marine stewardship to protect and restore our nearshore and marine ecosystems.

Education and Outreach Activities

In 2025, Jefferson MRC planned, hosted, co-sponsored, moderated, and/or staffed the following events:

- **Searching for Seaweed** field course in partnership with Washington Dept. of Fish & Wildlife (Nam Siu, presenter). Focused on sustainable recreational harvest of seaweeds. MRC sent out announcements. See Table 1 and Appendix B for field course specifics and followup.



Photo: Nam Siu holds up a seaweed blade for identification at the Searching for Seaweed workshop. – 4/4/25, Point Hudson, WA
Photo Credit: Katie Kowal

- **Digging for Dinner** field course in partnership with Washington Dept. of Fish & Wildlife (Camille Speck and team, presenters) and Jefferson County Environmental Public Health (Brad Stone, presenter). Focused on safe and responsible recreational harvest of shellfish. MRC sent out announcements. See Table 1 and Appendix C for field course specifics and followup.
- **Crabbing 101 (also known as Catch More Crab!)**, a best practices workshop focused on recreational harvesting of Dungeness Crab, in partnership with NW Straits Foundation (Jason Morgan, presenter), Washington Dept. of Fish & Wildlife (Daniel Sund, presenter), and Jamestown S’Klallam Tribe (Liz Tobin, presenter). See Table 1 and Appendix E for field course specifics and followup. The MRC sent out announcements. The workshop information is also permanently featured on the NW Straits Foundation website (<https://nwstraitsfoundation.org/derelict-gear/catch-more-crab/>), where interest groups can request scheduling these free workshops.

Jefferson County, WA
Marine Resources Committee



Photo: Roy Clark (JCMRC member) welcome participants to Crabbing 101. – 6/25/25, Port Hadlock, WA
Photo Credit: Katie Kowal

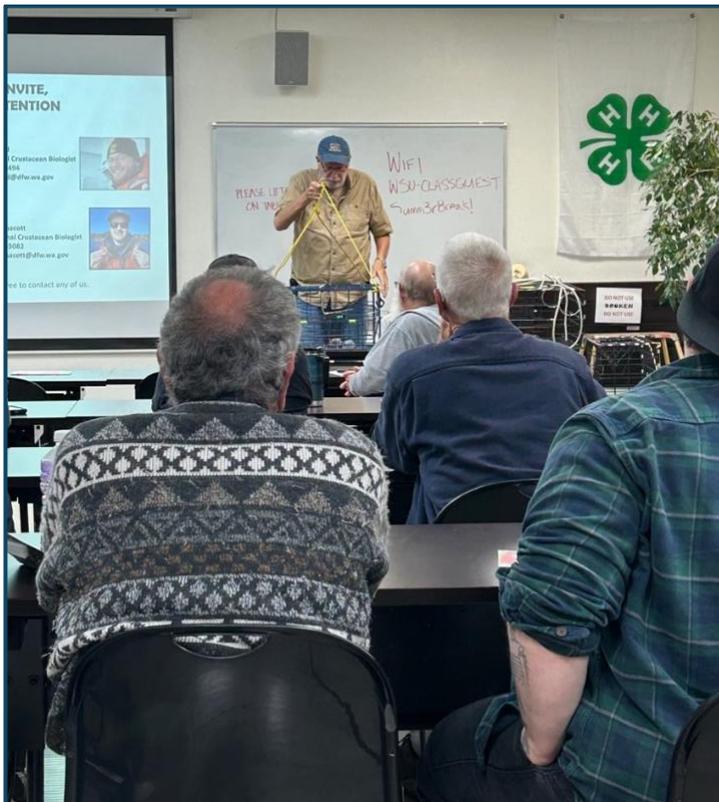


Photo: Troy McKelvey (JCMRC member) demonstrates how to properly assemble a crab pot. – 6/25/25, Port Hadlock, WA
Photo Credit: Katie Kowal

- **Seaweed Pressing Workshop** was held on August 8th. 12 attendees met in the WSU Classroom to hear a lecture on seaweed anatomy, ecology, and regional kelp and eelgrass work. Participants then watched a seaweed pressing demo and created their own pressings. The MRC sent out announcements. See Table 1 and Appendix F for field course specifics and followup.



Photo: Participants at the Seaweed Pressing Workshop tear strips of kelp to prep an edible snack cooked during the workshop, while the instructor reviews background information on kelp.

– 8/8/25, Port Hadlock, WA
Photo Credit: Katie Kowal



Photo: Participants at the Seaweed Pressing Workshop bring their artwork to be assembled between cardboard layers in the press. After 3-4 weeks in the press, the artwork will be dry and ready to frame.

– 8/8/25, Port Hadlock, WA
Photo Credit: Katie Kowal

- **Marine Science and Stewardship Stage** at Wooden Boat Festival, a popular 3-day event, in partnership with Northwest Maritime Center and Port Townsend Marine Science Center. Featured 19 science-based presentations, including hands-on plankton viewing at 6 microscope stations. See Table 1 for outputs. Appendix G contains a one-page handout with photos that was presented by Project Lead Betsy Carlson at the 2025 NW Straits Conference. Appendix G also includes feedback from attendees. A promotional video featuring Jefferson MRC projects was created to show in between speakers, and to be used at future tabling events. The video can be seen here: <https://vimeo.com/1133576790/58a4b150bf?share=copy&fl=sv&fe=ci>



Photo: The Marine Science and Stewardship Stage saw 1404 visitors in 2025 during the 3-day Wooden Boat Festival. The Stage was first held in 2024, and was such a success that we doubled the tent size in 2025.
– 9/5/25, Port Townsend, WA
Photo Credit: Betsy

Photo: The Marine Science and Stewardship stage not only allowed for the public to learn about marine science, but created a space for them to talk with presenters during and after the talks. We were excited to see that many times over the 3-day event discussion circles would form, as with Emily Buckner (MRC, PSRF), left, before the group heads to the water to collect a plankton sample.
– 9/5/25, Port Townsend, WA
Photo Credit: Betsy Carlson



Jefferson County, WA
Marine Resources Committee



Photo: Members of the public search for zooplankton under the microscope.
– 9/5/25, Port Townsend, WA
Photo Credit: Betsy Carlson

- **Outreach tents** at three community festivals (Connectivity Fair, Shrimpfest and Wooden Boat Festival) to introduce attendees to the purpose and activities of Jefferson MRC and the function and great value of our marine resources. Our MRC registered months in advance and for the latter two events paid vendor fees to reserve space at these events. See Table 1 for outputs, and Appendix A, D and G respectively for direct contact tally sheets.



Photo: Frank Handler (MRC Member) ready to table at the Connectivity Fair at Chimacum High School.
– 3/8/25, Chimacum, WA
Photo Credit: Emily Buckner

Jefferson County, WA
Marine Resources Committee



Photo: MRC Member Jeff Taylor staffing the outreach tent with typical education and outreach materials at Shrimpfest. – 6/21/25, Brinnon, WA
Photo Credit: Brenda Johnson



Photo: Gordon King (MRC Member) talks with visitors to the MRC table at Wooden Boat Festival. – 9/5/25, Port Townsend, WA
Photo Credit: Betsy Carlson



Photo: For the 2025 MRC table at Wooden Boat Festival, the E+O subcommittee decided to include more tactile objects (crab pot, sand shell excavation pit) to encourage public engagement. – 9/7/25, Port Townsend, WA
Photo Credit: Katie Kowal

- **Shore Friendly Program community beach walks and/or technical site assessments** in conjunction with NW Straits Foundation. Focused on helping individual waterfront landowners manage their specific property in a way that minimizes erosion, improves nearshore habitat, and is resilient to climate change. The Shore Friendly Program invites anyone to request multi-landowner beach walks and site visits online at <https://nwstraitsfoundation.org/shore-friendly/>. See Table 1 below for 2025 dates, locations, group size, and volunteer staffing, and Appendix H.



Photo: The Shore Friendly Program community beach walk on Marrowstone Island.
– 4/16/25, Port Townsend, WA
Photo Credit: Brenda Johnson

- **Shoreline Landowner Workshop** co-sponsored with Shore Friendly Program of NW Straits Foundation (Lisa Kaufman, presenter) and Peninsula Environmental Group (John Bornsworth, presenter). Focused on helping waterfront landowners understand shoreline processes in order to manage their property in a way that minimizes erosion, improves nearshore habitat, and is resilient to climate change. A flyer announcing this event (see Appendix E) was posted at a number of locations and the Shore Friendly Program announced it on their online calendar (<https://nwstraitsfoundation.org/event/shore-friendly-landowner-workshop-jefferson-county/>). This 2-hour workshop was held at the Jefferson County Library in Port Hadlock. It attracted a number of repeat participants.
- **Educational Advertising and a Radio spot** rounded out the MRC’s outreach for 2025. Two No-Anchor Zone advertisements were placed in Working Waterfront, a local magazine aimed at boaters, with the goal of raising awareness of the presence and purpose of NAZ buoys. Ads can be seen in Appendix I. Two MRC members also appeared alongside a county commissioner on the ‘County Connections’ program on KPTZ radio. They discussed current MRC projects and marine resources within the county. The radio episode can be heard here: <https://kptz.org/2025/09/19/county-connections-97/>

Table 1. Jefferson MRC Education and Outreach Activities in 2025

| Event | Date(s) | Location(s) | # Participants/ Contacts Made | # Volunteers Required |
|---|--|---|----------------------------------|--------------------------|
| Connectivity Fair | March 8 | Chimacum | 49 | 2 |
| Searching for Seaweed | April 4 | Point Hudson near Port Townsend | 17 | 2 |
| Digging for Dinner | May 18 | Quilcene Tidelands | 33 | 5 |
| Shrimpfest Outreach Tent | June 21 | Brinnon | 168 | 6+ |
| Crabbing 101 | June 25 | Port Hadlock, WSU Ext | 16 | 4 |
| Seaweed Pressing Workshop | August 8 | Port Hadlock, WSU Ext | 14 | 1 |
| Wooden Boat Festival Marine Science and Stewardship Stage | Sept 5-7 | Point Hudson near Port Townsend | 1,404 | 7+ per day |
| Wooden Boat Festival Outreach Tent | Sept 5-7 | Point Hudson | 285 | 6+ per day |
| KPTZ Radio – County Connections Program | Sep 19 | County-wide | Unknown | 3 |
| Shoreline Landowner community beach assessments and/or site visits | Feb 6 March 17 April 3 April 16 Oct 30 | Port Ludlow Port Ludlow Port Ludlow Nordland Quilcene | 4 4 4 4 3 | 3 |
| Shoreline Landowner Workshop | Dec 8 | Port Hadlock | 35 (estimate) | 1 |

Outputs

A total of **300 volunteer hours** were contributed by **15 MRC members** towards organizing and hosting education and outreach events in 2025. This year, **the MRC made 2,040 direct contacts** with the the public as part of its education and outreach project.

Lessons Learned

Many community members attend our field courses and workshops multiple times over a number of years. They enjoy re-learning about marine resources and being presented new state-of-the-art best practices. Additionally, by taking a field course again, they can brush up on the best available science. Repeat participants often bring friends and family and the educated community grows as a result.

If we had more manpower and other resources we could probably fill our field courses several times over every year and also attract more participants to our indoor workshops. We keep a Waiting List for each event and distribute announcements of future event dates, in hopes that those who had been turned away will sign up again.

The 2025 Wooden Boat Festival Marine Science and Stewardship Stage drew more than 1400 visitors, and we could have hosted more in our tent if we had had more seating. On some days, the size of the tent was barely adequate, as the sometimes-inclement weather forced the audience under shelter, crowding the already tightly-packed seating. As was mentioned by at least one attendee who provided feedback, viewing of the presentations could be enhanced by elevating the projector screen on a stage or something similar.

Next Steps

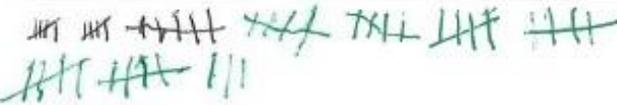
Jefferson MRC hopes to offer more opportunities for community education in the coming year, as we believe we could in theory connect with many more members of the public than we currently do as evidenced by the need for waiting lists. Especially popular are the field courses on best harvesting practices for seaweed, clams and oysters, and Dungeness crab. The appetite for educational marine science lectures also appears to be substantial and we will take this under consideration when planning the presentations at next year's Wooden Boat Festival Stage. This underscores the value of the MRC providing additional lectures throughout the year, perhaps in a regularly scheduled series.

Appendix A – Connectivity Fair



Jefferson County
**Marine
Resources
Committee**

**Connectivity Fair
March 8, 2025**

| Day | Number of Direct Contacts (Tally) | Total |
|---------------|--|-------|
| Sat, Mar 8 |  | 49 |
| TOTAL | | 49 |

Early + Frank

Appendix B – Searching for Seaweed



SEARCHING FOR SEAWEED



April 4, 2025
2-4pm
Point Hudson
Port Townsend

Learn about the different types of edible seaweeds and how to harvest them safely and sustainably, along with some recipe ideas! This public event is **FREE** ~ space is limited. More information and registration at:
seaweed2025.eventbrite.com



Seaweeds

Though seaweeds are not officially plants, we might think of them that way. They are technically a group of organisms termed macroalgae. Some, such as the *Ulva* spp., are only one or two cells thick and form large sheets. Others, like the giant kelp, are the fastest growing organisms in the world, sometimes growing an amazing 2 feet per day! All have adapted to extreme conditions and changing environments, each with an individual niche in the environment.

The good news is, none are poisonous (although the waters in which they live might be – so be conscientious in that respect). Seaweeds are our best source of minerals; they have more nutrients than any other vegetable and are rich in iodine, calcium, Vitamins A and C, and protein (almost as high as legumes). Plus, they are high in antioxidants, combat inflammation, help regulate hormone levels, and are high in fiber. The sea gives us vibrant life.

Seaweeds are generally classified in very simple terms: green, brown, and red. The colors coincide both with where they live, from high to low along the shore, and the pigmentation they have developed corresponding to differing light availability. Of course, many other factors affect what band of the shoreline you might find them – things such as salinity, wave action, predators, etc. – but in general, look for greens in the higher areas, browns in the mid- to low intertidal, and reds down deeper. Seaweeds cling to rocks; sandy beaches don't give them anything to grab on to. They grow best in areas where colder waters and strong currents bring in more nutrients.

The best times to harvest are in the spring and fall, a few days on either side of a full moon. Check the tide tables to follow the tide out to maximize your time at low tide. Always be aware that once the tide starts coming in, it comes in pretty fast.

Of course, mindful harvesting only makes sense: take only what you need. A little goes a long way. Harvest a little here and a little there. Never clear out an area. Never yank the algae from the rocks – it will lose its anchor and die. Instead, cut the upper third of the algae with a knife or scissors so it can grow back. That way, you are also leaving some habitat for limpets and other small creatures. It may seem like there is a lot out there, and that seaweeds often end up in smelly sand-flea-ridden piles at the high-tide line, but it is all part of a dynamic ecosystem. We are visitors here, after all.

Upper & Mid Zones:

Sea Lettuce (*Ulva lactuca*) is a vibrant lime green and grows on rocks higher along the shore. If you get it when the water splashes over, it will be less likely to be dried out or to have as much sand caught in the folds. It is ok to eat fresh – not too tough – and Mac made a wonderful dish with sea lettuce, yogurt, and lime – perhaps it even had a bit of cucumber. It can be very versatile when it is dried and sprinkled over stir-fries and such.

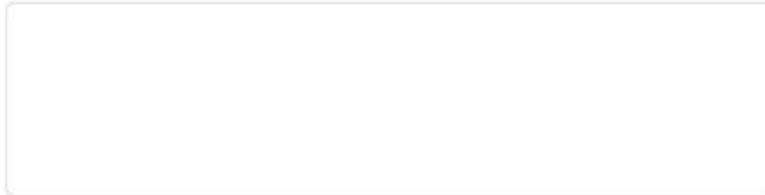
Seaweed Processing Tips and Recipes

Seaweeds are important components of marine ecosystems and form the foundation of many marine food webs. Fishes, birds, snails, crabs, and marine mammals use kelp beds for refuge, feeding, spawning, and nursery grounds. Kelp beds benefit nearshore areas by trapping sediment and dispersing wave energy and turbulence to protect shorelines from erosion. Preserving productive kelp beds through [sustainable harvest practices](https://dnr.wa.gov/seaweed) (dnr.wa.gov/seaweed) assures that seaweed will grow back for future harvests and continue to nourish sea life.

Washington's shorelines host many varieties of sea vegetables that are not only edible, but quite delectable and nutritious! With over one hundred species of seaweed and over two dozen species of kelp, the options are plentiful. Some of the most sought-after species are the kelps of the order Laminariales, such as Bull kelp, Winged kelp, and Sugar Wrack. However, don't overlook the other seaweeds such as Rockweed, Sea Laver/Nori, Sea Noodles/Spaghetti, and so much more! All these seaweeds and kelp have their own unique texture and tastes. Some are sweet, like the Sugar Wrack; while some are sour, like the Acid Weeds of the genus *Desmarestia*... but in general they all pack a salty and umami punch! These seaweeds and kelp are high in micronutrients, trace minerals, fiber, and are a good source of iodine and vitamins.

Additionally, there is a lot of promising research demonstrating the antioxidant and anti-cancer properties of seaweeds and kelp. Fun fact: the flavor "umami" or savoriness, was first identified by Japanese chemist Kikunae Ikeda, who isolated the glutamate molecules from kelp in the early 1900s. In fact, the Japanese were one of the first cultures known to widely cultivate, use and consume seaweed and kelp. It is such an integral part of the culture that researchers have found eating seaweed over generations has resulted in genes picked up from a microbial hitchhiker that may enable some Japanese individuals to extract otherwise intractable nutrients from seaweed (Hehemann et al. 2010). Given this long and intimate history with seaweed and kelp, it is no wonder that many of the recipes below are of Japanese origin!

Before harvesting, please make sure you have a valid WDFW shellfish/seaweed license and familiarize yourself with the rules. There are specific rules on how to harvest kelp in a sustainable way such that it can continue to provide ecosystem benefits to the shoreline as well as future harvest opportunities. Additionally, please review the latest research on chemical contaminant levels in seaweeds (Hahn et al. 2022) and only harvest from clean areas! Wash kelp in warm water prior to consuming to remove contaminants.



Searching for Seaweed Post-Event Survey

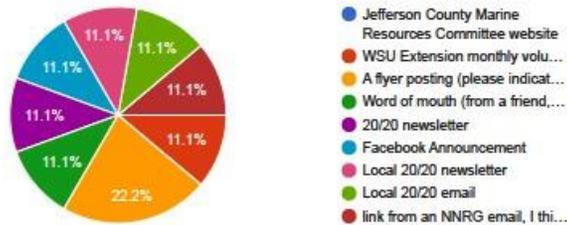
9 responses

[Publish analytics](#)

How did you hear about this event?

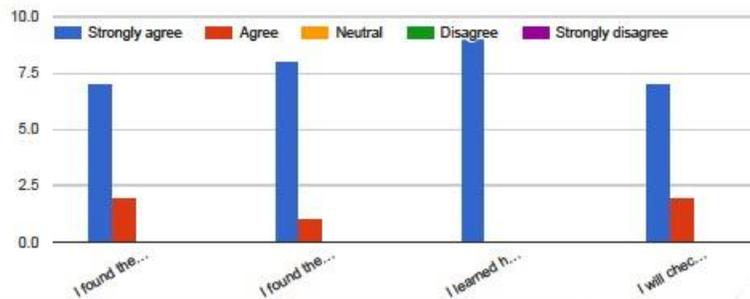
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9 responses



Please indicate whether you agree/disagree with the following statements.

[Copy](#)



Please share what you did/did not like about the event and any suggestions to help us improve future Searching for Seaweed events.

8 responses

Absolutely fantastic. Registration was chill and efficient. Materials were fantastic. Nam's presentation was incredibly educational. I have wanted to forage for seaweed and got a license but just... didn't make that next leap. This afternoon was great! I'm over the moon. Empowering for me in understanding what I'm seeing, what is safe, what is legal, how to care well for the life of the plants, too.

The geological information about the area and where different seaweed live and why.

I really like learning about different sea weed and to know how to properly and safely harvest them.

We should do these more often!

Loved the passion of our instructor and the curiosity-driven attitude. Loved getting out in the water to experience the seaweed in its setting firsthand. I would suggest to minimize no-shows/"mistakes" in registration that future events charge a nominal fee (eg \$1 per person) so people psychologically feel more compelled to attend or cancel their registration. Five of fifteen places were lost for this class bc of no-shows, and I know there were other people waiting on the wait list.

Nam Siu did a great job.

Being able to ask questions freely
The group size could be bigger
Hand guide helpful for reference

The class was excellent. Instructors/coordinator were accessible for lots of questions and are incredibly nice and caring people!



Jefferson County, WA
Marine Resources Committee

What other marine-related topic(s) would you like to learn about in future events hosted by the Jefferson County Marine Resources Committee?

5 responses

Clamming and crabbing would be great!

Surprise me.

Foraging other local edible marine foods.
How to help keep our local waters clean.
Fishing local waters responsibly.

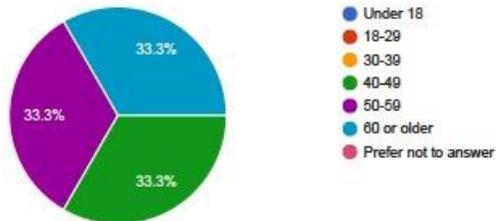
Water quality/ Ocean acidification/ carbon sequestration

marine geology

What category includes your age?

Copy

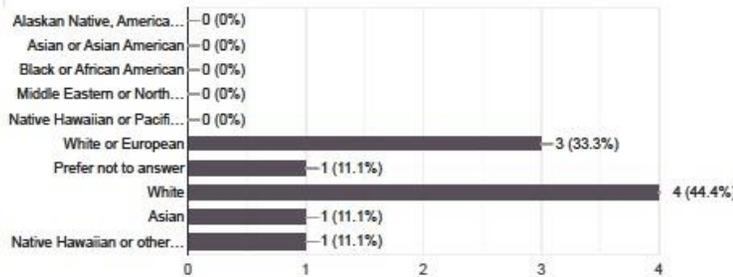
9 responses



What is your race? Please check all that apply.

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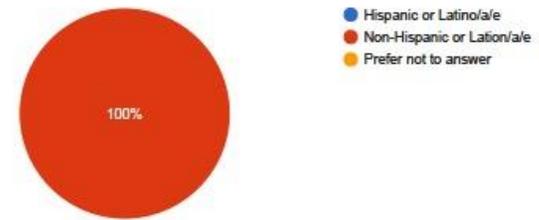
9 responses



What is your ethnicity?

Copy

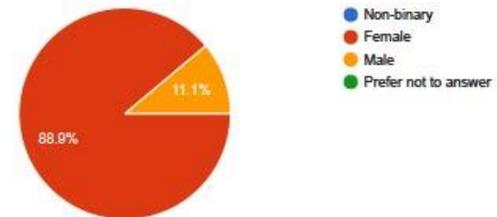
4 responses



What is your gender identity?

Copy

9 responses



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Appendix C – Digging for Dinner



DIGGING FOR DINNER

May 3, 2025
2pm-6pm
Quilcene WDFW Tidelands

Bring the family and learn about the different types of clams, where to dig, and how to harvest clams and oysters safely and sustainably, along with some cooking tips!

More information and registration at:
<https://dig4din.eventbrite.com>



Jefferson County Marine Resources Committee | Washington Department of Fish and Wildlife | Northwest Straits Initiative | PUGETSOUND PARTNERSHIP | Funded in part by the US EPA

[The following information was provided by WDFW to participants of the Digging for Dinner field course:]

Here are some great resources to keep handy:

- When planning your next clam or oyster harvest, remember that the WA shellfish safety map (and WDFW season finder) is your best resource for up-to-date water quality information and clam and oyster harvesting closures: <https://fortress.wa.gov/doh/biotoxin/biotoxin.html> or [www.doh.wa.gov/shellfish safety](http://www.doh.wa.gov/shellfish_safety).
- To search for other WDFW Puget Sound clam, mussel and oyster harvesting beaches, go to: <https://wdfw.wa.gov/places-to-go/shellfish-beaches>, including the [2025 Puget Sound clam, mussel, and oyster season guide](#) and [2025 best clam and oyster harvest tides chart](#).
- [This blog](#) includes great information on where and how to harvest clams, recommended gear, and other tips.
- [Here is a digital version of that handy clam identification guide](#) (the laminated print you received on site). You may also be interested in [this WA Sea Grant document](#) which has information on safe shellfish harvesting and includes some excellent line drawings for ID purposes.
- Here are tips for processing, storing and cooking your harvested [clams](#) and [oysters](#).
- WSU Extension Shore Stewards video about recreational shellfish harvesting (10-minute video by your instructors): <https://shorestewards.cw.wsu.edu/videos/recreational-shellfish-harvesting-10-min/>.

Appendix D – Shrimpfest



Jefferson County
Marine Resources Committee



Shrimpfest
Saturday, June 21, 2025

| Sat, June 21 | Number of Direct Contacts (Tally) | Total |
|--------------|-----------------------------------|------------|
| 9am-12pm | Tally: 31 | 31 |
| 12pm-3pm | Tally: 114 | 114 |
| 3pm-6pm | Tally: 23 | 23 |
| | TOTAL | 168 |



*Check my math
i*

Appendix E – Crabbing 101



Crabbing 101

Free Workshop

CATCH MORE CRAB!

Learn everything you need to know about recreational crabbing in Washington State!

- How to set up a crab trap • Licenses and Regulations • Buoys and Bait

Wednesday, June 25, 2025
6pm-8pm

WSU Classroom
97 Oak Bay Rd.
Port Hadlock, WA 98339

To register:
bit.ly/4mbJ3kp



Jefferson County
Marine Resources Committee



Funded wholly or in part by the US EPA



Crabbing 101 Workshop – Agenda

Wednesday, June 25, 2025

6:00 pm – 8:00 pm

WSU Classroom, 97 Oak Bay Rd, Port Hadlock

-
- 6:00 – 6:10 pm** **Introduction to the crabber outreach program and derelict pot removal efforts**
Jason Morgan, Northwest Straits Foundation, Marine Projects Manager
- 6:10 – 6:40 pm** **State Regulations, management, and crab biology**
Daniel M. Sund, Washington Department of Fish and Wildlife, Puget Sound Crustacean Biologist
- 6:40 – 6:50 pm** **Break**
- 6:50 – 7:15 pm** **Tribal crab fishery and co-management**
Liz Tobin, Jamestown S'Klallam Tribe, Shellfish Program Manager
- 7:15 – 7:50 pm** **Crabbing tips and tricks**
Live demonstration of best practices for setting crab pots
Troy McKelvey, Jefferson County Marine Resources Committee, Recreational Rep. and seasoned crabber
- 7:50 – 8:00** **Survey**

Jefferson County, WA Marine Resources Committee

Crabbing 101 Workshop Survey

1. Overall, how do you rate the usefulness of the material presented in this workshop?
 5 (Extremely useful) 4 3 2 1 (Not useful at all)

2. How did you hear about the workshop? (If possible, write in the specific location/platform/source)
 Flyer _____
 Social media _____
 Website _____
 Newsletter Port Townsend Marine Science Center
 Word of mouth _____
 Other: _____

3. Prior to attending this workshop, how much experience did you have with recreational crabbing?
 None at all
 Beginner (limited experience)
 Intermediate (some experience, but still learning)
 Advanced (experienced and confident)

4. Which aspects of the workshop did you find most helpful? (Select all that apply)
 Review of regulations and legal requirements
 Tribal crab fishery and co-management overview
 Tips and tricks from seasoned crabbers
 Demonstration of proper crab pot rigging
 Opportunities for Q&A
 Other: _____

5. What additional topics would you like to see covered in the future?
Crab, FD

6. Will you apply the skills and knowledge that you've gained during this workshop to your recreational crabbing efforts going forward?
 5 (Yes, definitely) 4 3 2 1 (No, not at all)

7. Please share any additional comments or feedback here:

Crabbing 101 Workshop Survey

1. Overall, how do you rate the usefulness of the material presented in this workshop?
 5 (Extremely useful) 4 3 2 1 (Not useful at all)

2. How did you hear about the workshop? (If possible, write in the specific location/platform/source)
 Flyer _____
 Social media _____
 Website _____
 Newsletter _____
 Word of mouth _____
 Other: _____

3. Prior to attending this workshop, how much experience did you have with recreational crabbing?
 None at all
 Beginner (limited experience)
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 Advanced (experienced and confident)

4. Which aspects of the workshop did you find most helpful? (Select all that apply)
 Review of regulations and legal requirements
 Tribal crab fishery and co-management overview
 Tips and tricks from seasoned crabbers
 Demonstration of proper crab pot rigging
 Opportunities for Q&A
 Other: _____

5. What additional topics would you like to see covered in the future?

6. Will you apply the skills and knowledge that you've gained during this workshop to your recreational crabbing efforts going forward?
 5 (Yes, definitely) 4 3 2 1 (No, not at all)

7. Please share any additional comments or feedback here:

Crabbing 101 Workshop Survey

1. Overall, how do you rate the usefulness of the material presented in this workshop?
 5 (Extremely useful) 4 3 2 1 (Not useful at all)

2. How did you hear about the workshop? (If possible, write in the specific location/platform/source)
 Flyer _____
 Social media _____
 Website _____
 Newsletter _____
 Word of mouth _____
 Other: KPTZ Radio

3. Prior to attending this workshop, how much experience did you have with recreational crabbing?
 None at all
 Beginner (limited experience)
 Intermediate (some experience, but still learning)
 Advanced (experienced and confident)

4. Which aspects of the workshop did you find most helpful? (Select all that apply)
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 Tribal crab fishery and co-management overview
 Tips and tricks from seasoned crabbers
 Demonstration of proper crab pot rigging
 Opportunities for Q&A
 Other: _____

5. What additional topics would you like to see covered in the future?
Cleaning & cooking & baiting

6. Will you apply the skills and knowledge that you've gained during this workshop to your recreational crabbing efforts going forward?
 5 (Yes, definitely) 4 3 2 1 (No, not at all)

7. Please share any additional comments or feedback here:
Great program & thank you!

Crabbing 101 Workshop Survey

1. Overall, how do you rate the usefulness of the material presented in this workshop?
 5 (Extremely useful) 4 3 2 1 (Not useful at all)

2. How did you hear about the workshop? (If possible, write in the specific location/platform/source)
 Flyer _____
 Social media FB / 20 Local
 Website _____
 Newsletter _____
 Word of mouth _____
 Other: _____

3. Prior to attending this workshop, how much experience did you have with recreational crabbing?
 None at all
 Beginner (limited experience)
 Intermediate (some experience, but still learning)
 Advanced (experienced and confident)

4. Which aspects of the workshop did you find most helpful? (Select all that apply)
 Review of regulations and legal requirements
 Tribal crab fishery and co-management overview
 Tips and tricks from seasoned crabbers
 Demonstration of proper crab pot rigging
 Opportunities for Q&A
 Other: _____

5. What additional topics would you like to see covered in the future?
* Hunting crabs without pots. More like fishing OR hand harvest in shallow water for folks without boats

6. Will you apply the skills and knowledge that you've gained during this workshop to your recreational crabbing efforts going forward?
 5 (Yes, definitely) 4 3 2 1 (No, not at all)

7. Please share any additional comments or feedback here:
Thank you!!

Jefferson County, WA
Marine Resources Committee

Crabbing 101 Workshop Survey

1. Overall, how do you rate the usefulness of the material presented in this workshop?
 5 (Extremely useful) 4 3 2 1 (Not useful at all)

2. How did you hear about the workshop? (If possible, write in the specific location/platform/source)
 Flyer _____
 Social media _____
 Website _____
 Newsletter _____
 Word of mouth _____
 Other: _____

3. Prior to attending this workshop, how much experience did you have with recreational crabbing?
 None at all
 Beginner (limited experience)
 Intermediate (some experience, but still learning)
 Advanced (experienced and confident)

4. Which aspects of the workshop did you find most helpful? (Select all that apply)
 Review of regulations and legal requirements
 Tribal crab fishery and co-management overview
 Tips and tricks from seasoned crabbers
 Demonstration of proper crab pot rigging
 Opportunities for Q&A
 Other: learned all very informative

5. What additional topics would you like to see covered in the future?

6. Will you apply the skills and knowledge that you've gained during this workshop to your recreational crabbing efforts going forward?
 5 (Yes, definitely) 4 3 2 1 (No, not at all)

7. Please share any additional comments or feedback here:

Crabbing 101 Workshop Survey

1. Overall, how do you rate the usefulness of the material presented in this workshop?
 5 (Extremely useful) 4 3 2 1 (Not useful at all)

2. How did you hear about the workshop? (If possible, write in the specific location/platform/source)
 Flyer _____
 Social media _____
 Website _____
 Newsletter _____
 Word of mouth _____
 Other: _____

3. Prior to attending this workshop, how much experience did you have with recreational crabbing?
 None at all
 Beginner (limited experience)
 Intermediate (some experience, but still learning)
 Advanced (experienced and confident)

4. Which aspects of the workshop did you find most helpful? (Select all that apply)
 Review of regulations and legal requirements
 Tribal crab fishery and co-management overview
 Tips and tricks from seasoned crabbers
 Demonstration of proper crab pot rigging
 Opportunities for Q&A
 Other: _____

5. What additional topics would you like to see covered in the future?
more info on active crab fishing - Crab Crabbing
without the boat

6. Will you apply the skills and knowledge that you've gained during this workshop to your recreational crabbing efforts going forward?
 5 (Yes, definitely) 4 3 2 1 (No, not at all)

7. Please share any additional comments or feedback here:

Crabbing 101 Workshop Survey

1. Overall, how do you rate the usefulness of the material presented in this workshop?
 5 (Extremely useful) 4 3 2 1 (Not useful at all)

2. How did you hear about the workshop? (If possible, write in the specific location/platform/source)
 Flyer _____
 Social media _____
 Website _____
 Newsletter Land 2020
 Word of mouth _____
 Other: _____

3. Prior to attending this workshop, how much experience did you have with recreational crabbing?
 None at all
 Beginner (limited experience)
 Intermediate (some experience, but still learning)
 Advanced (experienced and confident)

4. Which aspects of the workshop did you find most helpful? (Select all that apply)
 Review of regulations and legal requirements
 Tribal crab fishery and co-management overview
 Tips and tricks from seasoned crabbers
 Demonstration of proper crab pot rigging
 Opportunities for Q&A
 Other: _____

5. What additional topics would you like to see covered in the future?
Salmon fishing for beginners
Ecological ways to dispose of multi-fishing waste

6. Will you apply the skills and knowledge that you've gained during this workshop to your recreational crabbing efforts going forward?
 5 (Yes, definitely) 4 3 2 1 (No, not at all)

7. Please share any additional comments or feedback here:
If I needed the background on tribal regulations was incredibly helpful

Crabbing 101 Workshop Survey

1. Overall, how do you rate the usefulness of the material presented in this workshop?
 5 (Extremely useful) 4 3 2 1 (Not useful at all)

2. How did you hear about the workshop? (If possible, write in the specific location/platform/source)
 Flyer _____
 Social media _____
 Website _____
 Newsletter _____
 Word of mouth _____
 Other: _____

3. Prior to attending this workshop, how much experience did you have with recreational crabbing?
 None at all
 Beginner (limited experience)
 Intermediate (some experience, but still learning)
 Advanced (experienced and confident)

4. Which aspects of the workshop did you find most helpful? (Select all that apply)
 Review of regulations and legal requirements
 Tribal crab fishery and co-management overview
 Tips and tricks from seasoned crabbers
 Demonstration of proper crab pot rigging
 Opportunities for Q&A
 Other: _____

5. What additional topics would you like to see covered in the future?
Tribal salmon fishery

6. Will you apply the skills and knowledge that you've gained during this workshop to your recreational crabbing efforts going forward?
 5 (Yes, definitely) 4 3 2 1 (No, not at all)

7. Please share any additional comments or feedback here:
All good

Jefferson County, WA
Marine Resources Committee

Crabbing 101 Workshop Survey

1. Overall, how do you rate the usefulness of the material presented in this workshop?
 5 (Extremely useful) 4 3 2 1 (Not useful at all)

2. How did you hear about the workshop? (If possible, write in the specific location/platform/source)
 Flyer - CPUGS Website
 Social media _____
 Website _____
 Newsletter _____
 Word of mouth _____
 Other: _____

3. Prior to attending this workshop, how much experience did you have with recreational crabbing?
 None at all
 Beginner (limited experience)
 Intermediate (some experience, but still learning)
 Advanced (experienced and confident)

4. Which aspects of the workshop did you find most helpful? (Select all that apply)
 Review of regulations and legal requirements
 Tribal crab fishery and co-management overview
 Tips and tricks from seasoned crabbers
 Demonstration of proper crab pot rigging
 Opportunities for Q&A
 Other: _____

5. What additional topics would you like to see covered in the future?
Location selection

6. Will you apply the skills and knowledge that you've gained during this workshop to your recreational crabbing efforts going forward?
 5 (Yes, definitely) 4 3 2 1 (No, not at all)

7. Please share any additional comments or feedback here:
Great Audience participation

Crabbing 101 Workshop Survey

1. Overall, how do you rate the usefulness of the material presented in this workshop?
 5 (Extremely useful) 4 3 2 1 (Not useful at all)

2. How did you hear about the workshop? (If possible, write in the specific location/platform/source)
 Flyer _____
 Social media _____
 Website _____
 Newsletter - Local radio
 Word of mouth _____
 Other: _____

3. Prior to attending this workshop, how much experience did you have with recreational crabbing?
 None at all
 Beginner (limited experience)
 Intermediate (some experience, but still learning)
 Advanced (experienced and confident)

4. Which aspects of the workshop did you find most helpful? (Select all that apply)
 Review of regulations and legal requirements
 Tribal crab fishery and co-management overview
 Tips and tricks from seasoned crabbers
 Demonstration of proper crab pot rigging
 Opportunities for Q&A
 Other: _____

5. What additional topics would you like to see covered in the future?
Cooking, + Steaming

6. Will you apply the skills and knowledge that you've gained during this workshop to your recreational crabbing efforts going forward?
 5 (Yes, definitely) 4 3 2 1 (No, not at all)

7. Please share any additional comments or feedback here:

Crabbing 101 Workshop Survey

1. Overall, how do you rate the usefulness of the material presented in this workshop?
 5 (Extremely useful) 4 3 2 1 (Not useful at all)

2. How did you hear about the workshop? (If possible, write in the specific location/platform/source)
 Flyer _____
 Social media _____
 Website _____
 Newsletter _____
 Word of mouth _____
 Other: KPTZ

3. Prior to attending this workshop, how much experience did you have with recreational crabbing?
 None at all
 Beginner (limited experience)
 Intermediate (some experience, but still learning)
 Advanced (experienced and confident)

4. Which aspects of the workshop did you find most helpful? (Select all that apply)
 Review of regulations and legal requirements
 Tribal crab fishery and co-management overview
 Tips and tricks from seasoned crabbers
 Demonstration of proper crab pot rigging
 Opportunities for Q&A
 Other: _____

5. What additional topics would you like to see covered in the future?

6. Will you apply the skills and knowledge that you've gained during this workshop to your recreational crabbing efforts going forward?
 5 (Yes, definitely) 4 3 2 1 (No, not at all)

7. Please share any additional comments or feedback here:
Excellent presentations, I loved getting the tribal perspective

Crabbing 101 Workshop Survey

1. Overall, how do you rate the usefulness of the material presented in this workshop?
 5 (Extremely useful) 4 3 2 1 (Not useful at all)

2. How did you hear about the workshop? (If possible, write in the specific location/platform/source)
 Flyer _____
 Social media _____
 Website _____
 Newsletter _____
 Word of mouth _____
 Other: Spouse

3. Prior to attending this workshop, how much experience did you have with recreational crabbing?
 None at all
 Beginner (limited experience)
 Intermediate (some experience, but still learning)
 Advanced (experienced and confident)

4. Which aspects of the workshop did you find most helpful? (Select all that apply)
 Review of regulations and legal requirements
 Tribal crab fishery and co-management overview
 Tips and tricks from seasoned crabbers
 Demonstration of proper crab pot rigging
 Opportunities for Q&A
 Other: _____

5. What additional topics would you like to see covered in the future?

6. Will you apply the skills and knowledge that you've gained during this workshop to your recreational crabbing efforts going forward?
 5 (Yes, definitely) 4 3 2 1 (No, not at all)

7. Please share any additional comments or feedback here:
Thank you very much!

Jefferson County, WA
Marine Resources Committee

Crabbing 101 Workshop Survey

- Overall, how do you rate the usefulness of the material presented in this workshop?
 5 (Extremely useful) 4 3 2 1 (Not useful at all)
- How did you hear about the workshop? (If possible, write in the specific location/platform/source)
 Flyer _____
 Social media _____
 Website _____
 Newsletter _____
 Word of mouth _____
 Other: _____
- Prior to attending this workshop, how much experience did you have with recreational crabbing?
 None at all
 Beginner (limited experience)
 Intermediate (some experience, but still learning)
 Advanced (experienced and confident)
- Which aspects of the workshop did you find most helpful? (Select all that apply)
 Review of regulations and legal requirements
 Tribal crab fishery and co-management overview
 Tips and tricks from seasoned crabbers
 Demonstration of proper crab pot rigging
 Opportunities for Q&A
 Other: _____
- What additional topics would you like to see covered in the future?

- Will you apply the skills and knowledge that you've gained during this workshop to your recreational crabbing efforts going forward?
 5 (Yes, definitely) 4 3 2 1 (No, not at all)
- Please share any additional comments or feedback here:
very informative

Crabbing 101 Workshop Survey

- Overall, how do you rate the usefulness of the material presented in this workshop?
 5 (Extremely useful) 4 3 2 1 (Not useful at all)
- How did you hear about the workshop? (If possible, write in the specific location/platform/source)
 Flyer _____
 Social media _____
 Website _____
 Newsletter _____
 Word of mouth _____
 Other: _____
- Prior to attending this workshop, how much experience did you have with recreational crabbing?
 None at all
 Beginner (limited experience)
 Intermediate (some experience, but still learning)
 Advanced (experienced and confident)
- Which aspects of the workshop did you find most helpful? (Select all that apply)
 Review of regulations and legal requirements
 Tribal crab fishery and co-management overview
 Tips and tricks from seasoned crabbers
 Demonstration of proper crab pot rigging
 Opportunities for Q&A
 Other: _____
- What additional topics would you like to see covered in the future?

- Will you apply the skills and knowledge that you've gained during this workshop to your recreational crabbing efforts going forward?
 5 (Yes, definitely) 4 3 2 1 (No, not at all)
- Please share any additional comments or feedback here:

Crabbing 101 Workshop Survey

- Overall, how do you rate the usefulness of the material presented in this workshop?
 5 (Extremely useful) 4 3 2 1 (Not useful at all)
- How did you hear about the workshop? (If possible, write in the specific location/platform/source)
 Flyer e Port of Port Townsend Boat Haven office
 Social media _____
 Website _____
 Newsletter _____
 Word of mouth _____
 Other: _____
- Prior to attending this workshop, how much experience did you have with recreational crabbing?
 None at all
 Beginner (limited experience)
 Intermediate (some experience, but still learning)
 Advanced (experienced and confident)
- Which aspects of the workshop did you find most helpful? (Select all that apply)
 Review of regulations and legal requirements
 Tribal crab fishery and co-management overview
 Tips and tricks from seasoned crabbers
 Demonstration of proper crab pot rigging
 Opportunities for Q&A
 Other: _____
- What additional topics would you like to see covered in the future?

- Will you apply the skills and knowledge that you've gained during this workshop to your recreational crabbing efforts going forward?
 5 (Yes, definitely) 4 3 2 1 (No, not at all)
- Please share any additional comments or feedback here:
some of the material was duplicated by the different speakers

Crabbing 101 Workshop Survey

- Overall, how do you rate the usefulness of the material presented in this workshop?
 5 (Extremely useful) 4 3 2 1 (Not useful at all)
- How did you hear about the workshop? (If possible, write in the specific location/platform/source)
 Flyer _____
 Social media KPTZ
 Website _____
 Newsletter _____
 Word of mouth _____
 Other: _____
- Prior to attending this workshop, how much experience did you have with recreational crabbing?
 None at all
 Beginner (limited experience)
 Intermediate (some experience, but still learning)
 Advanced (experienced and confident)
- Which aspects of the workshop did you find most helpful? (Select all that apply)
 Review of regulations and legal requirements
 Tribal crab fishery and co-management overview
 Tips and tricks from seasoned crabbers
 Demonstration of proper crab pot rigging
 Opportunities for Q&A
 Other: _____
- What additional topics would you like to see covered in the future?

- Will you apply the skills and knowledge that you've gained during this workshop to your recreational crabbing efforts going forward?
 5 (Yes, definitely) 4 3 2 1 (No, not at all)
- Please share any additional comments or feedback here:

Appendix F – Seaweed Pressing Workshop



Seaweed Pressing Workshop

**Join the Jefferson MRC to learn to
make seaweed pressings!**

Pressing is a centuries old preservation method, used to dry seaweed for both scientific reference and as botanical art.

During the workshop we'll discuss seaweed life history and ecology, and provide all the materials you'll need to create your own piece!

**August 8, 2025 3pm-5pm
WSU Classroom Port Hadlock, WA**

Artwork can be taken home to dry the day of, or dried in our press and picked up 3-4 weeks later.

Registration link: <https://seaweedpressing.eventbrite.com/>

Appendix G – Wooden Boat Festival Tabling Booth and Stage



Jefferson County
Marine Resources Committee

Wooden Boat Festival
Sept 5-7, 2025

| Day | Number of Direct Contacts (Tally) | Total |
|---------------|-----------------------------------|-------|
| Fri, Sep 5 | | 136 |
| Sat, Sep 6 | | 116 |
| Sun, Sep 7 | | |

JEFFERSON MRC

MARINE SCIENCE AND STEWARDSHIP STAGE AT THE PORT TOWNSEND WOODEN BOAT FESTIVAL

EDUCATION & OUTREACH

PURPOSES

The Marine Science Stage, at the 3-day Port Townsend Wooden Boat Festival is an education and outreach hub for the MRC and partners.

PARTNERS

Northwest Maritime Center
(tables and chairs, promotion of the Stage through social media and website)
Port Townsend Marine Science Center (PTMSC)
(staff and volunteer time, microscopes, kelp banners, podium, materials and equipment)

PRESENTERS:

Jamestown S'Klallam Tribe
NASA
Orca Network
Pacific Mammal Research
Pacific Whale Watch Association
Port Townsend Marine Science Center
Puget Sound Restoration Fund (& light trap)
University of Hawaii
WA Dept of Health (& Science Alley)
WA Dept of Fish and Wildlife (& Science Alley)
WA Sea Grant
WA Dept of Natural Resources
World Puffin Congress

TIME FRAME

Event: Sept 5-7, 2025;
extensive committed planning

BUDGET

Annual costs: \$4200
One-time costs: \$4200

MAIN ACTIVITIES

- Planning, coordination, and facilitation of 19 marine science presentations
- Planning, coordination, and facilitation of 6 hands-on microscope stations
- Coordination of project partners to create a 'Marine Science Alley'
- Development of "MRC Promo" video, screened between presentations
- MRC information tent staffed by volunteer members

THE MARINE SCIENCE & STEWARDSHIP STAGE WAS FIRST HELD IN 2024. THE STAGE WAS SO WELL RECEIVED THE MRC DOUBLED THE TENT SIZE IN 2025, COUNTING 1,404 VISITORS.



THE MARINE SCIENCE AND STEWARDSHIP STAGE. PHOTO: BETSY CARLSON

PROJECT LEAD

Betsy Carlson,
betsycarlson24@gmail.com



Jefferson County
**Marine
Resources
Committee**



GROWTH AND LOOKING TOWARD THE FUTURE

Over 10,000 people attend the Wooden Boat Festival each year. This project provides a marine science element novel to the festival. It requires planning and communication starting 9 months in advance, and is reliant on 7+ MRC and partner volunteers per day to set-up, tear-down, and staff the 3-day event. This year to further develop the idea of a "marine science hub," the project lead initiated the idea of a Marine Science Alley in collaboration with DOH, WDFW, PTMSC and MRC whose booths created an "alley" leading to the presentation stage, linked by decorative elements to provide visual unity.

DELIVERABLES

- 19 speakers
- 19 presentations
- 1404 visitors throughout the weekend, average of 74 people per presentation
 - Friday – 515 visitors for 7 presentations
 - Saturday – 595 visitors for 7 presentations
 - Sunday – 294 visitors for 5 presentations
- 11 local and state partners
- 34 comments and feedback responses



PTMSC VOLUNTEER BECCA MAHAN HELPS A VISITOR ID PLANKTON UNDER THE MICROSCOPE.
PHOTO CREDIT: BETSY CARLSON

OUTCOMES

- Cultivate enthusiasm and curiosity for the marine environment, as well as increased consideration of human and boating impacts on the marine environment at an individual level
- Foster a more informed and dedicated community of marine stewards across East Jefferson County, the Strait of Juan de Fuca, and Puget Sound
- Increase public familiarity with WA state organizations, tribes, and agencies and their role in marine stewardship and conservation in Washington State
- Increase public familiarity with marine resources and regulations related to public health, fish and wildlife, and Washington State law
- Raise awareness of the Jefferson Marine Resources Committee and the Northwest Straits Commission, and the work that we do in the area
- Offer an opportunity for networking amongst visitors and presenters
- Support collaboration between partner organizations by giving them a common focus (the Science Alley and Stage) and the opportunity to get to know each other



POST PRESENTATION DISCUSSION CIRCLE.
PHOTO CREDIT: BETSY CARLSON

Science and Stewardship Stage - Tally Sheet

| # in audience | Friday 9/5 | Topic | Speaker |
|-----------------------------------|------------|--|---|
| 47 | 10-1040am | What's in the Water? Live Plankton Collection Demonstration | Lee and Brad Bebout and friends |
| 27 | 11-1140am | Racing Red Tides: Managing Harmful Algal Toxins in Shellfish | Tracie Barry |
| 26 | 12-1240pm | Invasive Green Crab: Hands-on ID and Citizen Science Project Molt Search | Betsy Carlson |
| 39 | 1-140pm | Derelict Vessel Removal Program | Jerry Farmer |
| 61 | 2-240pm | Bringing Pintos Back! Abalone Restoration in WA State | Eileen Bates (PSRF) and Darby Flanagan (WDFW) |
| 187 | 3-340pm | Puffins: Winged Masters of the Sea | John Piatt |
| 117 | 4-440pm | The Secret Lives of Harbor Porpoises | Cindy Elliser |
| # in audience Saturday 9/6 | | | |
| 32 | 10-1040am | What's in the Water? Live Plankton Collection Demonstration | Lee and Brad Bebout and friends |
| 80 | 11-1140am | Deep Sea Mining: The Pursuit of Valuable Minerals on the Seafloor | Chris Kelly |
| 60 | 12-1240pm | On the Water with Wild Whales: Be Whale Wise in the Salish Sea | April Rebollo, Boater Ambassador |
| 86 | 1-140pm | Bringing Back the Bioengineer: Olympia Oyster Restoration | Neil Harrington |
| 116 | 2-240pm | Salish Sea Beaches - Our Glacial Legacy | Jon Waggoner |
| 87 | 3-340pm | How to ID Marine Mammals (encore) | Erin Gless |
| 123 | 4-440pm | Puffins: Winged Masters of the Sea | John Piatt |
| # in audience Sunday 9/7 | | | |
| 11 | 10-1040am | What's in the Water? Live Plankton Collection Demonstration | Lee and Brad Bebout and friends |
| 21 | 11-1140am | Safeguarding Shellfish from Micro-Invasive Species | Matt Hoehn |
| 60 | 12-1240pm | Kelp & Eelgrass: Superpowered Forests and Meadows of the Salish Sea | Bree Turner |
| 96 | 1-140pm | Dam Removal and the Coastal Ocean - Elwha example | Ian Miller |
| 103 | 2-240pm | Orcas Around Us | Cindy Hansen, Orca Network |

Science Stage Attendee Feedback 2025

(comments were typed by Project Lead Betsy Carlson based on hand written comments by visitor)

| Presentation | Friday 9/5 |
|---|--|
| What is in the water, Red Tide, Pinto abalone | Awesome, it would be easy to spend all day here |
| Derelict Vessel, abalone, harbor porpoise | Marine Science Education is essential to this event. We appreciate all these presentations. Thanx! |
| Pinto Abalone | Excellent presentation and thoughtful questions. Speakers were well versed! |
| Pinto abalone | Amazing! Great topic and fantastic presentation! |
| Pinto abalone | Terrific presentation - full of good information and easy to understand. |
| Pinto abalone | Extremely important info and inspiration! This is the perfect venue for spreading the word on important Salish topics! |
| Abalone | Excellent & informative - more please |
| Abalone | Wonderful presentation. Both speakers so knowledgeable. Learned a lot about this topic and conservation. Hope they come back next year. |
| Puffins, Porpoise | ***** |
| Porpoise | excellent! |
| Puffins | Very interesting - well presented! |
| Porpoise | My favorite - humor and science. Win/win! |
| Puffins, Porpoise | Both presentations very good! |
| Puffins, Porpoise | Fantastic presentations - more of this please and longer talks |
| Puffins, Porpoise | Very interesting! Excellent! |
| Abalone, Puffins, Porpoise | Excellent presentations. Time well spent. Great for those who don't have boats. Coming back for more tomorrow. Thank You Great use of space. Glad you were near kids area too! |
| Porpoises | Very humorous presenter. Highly enjoyable and informative |

Jefferson County, WA
Marine Resources Committee

| | |
|--------------------------------|--|
| Derelict vessels, porpoises | [DVs] Really interesting and informative - GREAT SPEAKER !! I missed puffins because YOU NEED AN EVEN BIGGER tent!!! :-) [Porpoises] Wow, amazing speaker, fascinating topic, great photos. |
| Puffins, porpoises | Wonderful presentation. I learned a lot! |
| Pintos, puffins, porpoises | 3 very well developed presentations. I'm a return visitor to this stage from last year, glad you're here. |
| Puffins and porpoises | Both excellent! |
| Puffins and porpoises | Excellent speakers. Place screen higher and forward (½ visible from even ½ back). Need bigger stage |
| Puffins and Porpoise | Excellent!!!! |
| Presentations | Saturday 9/6 |
| Whales | <u>Excellent</u> |
| Whales | Very Good! |
| 9/6 | Please consider repeating the question so audience understands the answer |
| Oysters, Beaches | Very informative learned a lot |
| Oly Oysters and Salish Beaches | So helpful in outreach and connections to local efforts and organizations! |
| 9/5 and 6 | All were excellent |
| 9/6 | Erosion and Splash What is it Both Excellent!! |
| 9/6 | Fabulous! |
| Presentations | Sunday 9/7 |
| 9/7 | I am really enjoying the entire marine science track! I have learned so much! All of the speakers have been so knowledgeable, passionate, and great communicators! |
| 9/7 | I enjoyed looking at the wooden boats but I decided to come to this festival when I saw the line up of marine science lectures. <u>Totally</u> worth it! Excellent! |
| 9/7 Lower Elwha | Excellent talks - I learned a lot & enjoyed 5 talkies. A possible talk for a future year could be on murrelets. Also more about the Elwha River as time goes on. |

Jefferson County, WA
Marine Resources Committee



August 2025
RE: Marine Science and Stewardship Stage Presenter Information

Hello Marine Science Stage Presenters,

Greetings from the Jefferson County Marine Resources Committee (MRC). We are the group behind the Marine Science and Stewardship Stage at the Port Townsend Wooden Boat Festival (WBF). We are partnering with the Port Townsend Marine Science Center to provide a space to share your stories, information and experiences. Although you have registered with WBF and will receive your presenter information/entry pass/t-shirt directly through them, the MRC staff will be coordinating the stage and working with you on the logistics for your presentation. If questions come up as we get closer to the event, please feel free to reach out to Betsy or Katie and we can help answer any questions.

Important Logistics:

- Please share or email a copy of your presentation to betsycarlson24@gmail.com by **Wednesday Sept. 3th**. PDF, PowerPoint, or Google slides would work best.
- AND, please also bring a copy of your presentation on a thumb drive.
- There is **no internet access** unless you can create your own hotspot, and that may not be reliable with so many people on the system during the festival. Please plan accordingly.
- The Wooden Boat Festival is held at Point Hudson Marina, at the end of Water Street in Port Townsend.
- **Pack light and arrive early.** Parking is **extremely challenging** at the festival and most likely you won't be able to get close to the tent when you arrive unless someone drops you off. There are free shuttles from the Haines Place Park & Ride (12th St and Landes) near Safeway and the Boat Haven.
- Pick up your pass, T-shirt and drink ticket at the **Vendor check in by Festival HQ enter via Jackson St.**
- The Marine Science and Stewardship Stage/tent is located on the NE (far) side of the Marina between the WDFW building and the Port's Pavilion building (Adventure Stage for WBF).
- Give yourself time to enjoy the festival! Have Fun!

The festival runs Sept. 5 - 7th. Here is a [link to the festival](#) and here is a [filtered link](#) to the Marine Science and Stewardship Stage schedule.

If you have questions related to your presentation, please reach out to me, Betsy Carlson at 360-301-5517 email: betsycarlson24@gmail.com. Or Katie Kowal kkowal@co.jefferson.wa.us 360-774-0639.

Can't wait to see you and hear each of your presentations!

See you soon,

Betsy Carlson, Katie Kowal, and the Jefferson Co. MRC

Appendix H – Shore Friendly Workshop

☀️ Shore Friendly Landowner Workshop ☀️ Jefferson County

Shoreline landowners are invited to join the Northwest Straits Foundation, John Bornsworth of Peninsula Environmental Group, and the Jefferson County Marine Resources Committee for a Shore Friendly workshop to learn how to protect your property from erosion and changing conditions while supporting a healthy marine environment.



Monday, December 8th, 4:00 pm - 6:00 pm

Jefferson County Library

Additional details are described in the link below

Topics from local and regional experts include:

- Coastal Processes & Nearshore Habitats
- Alternatives to Shoreline Armoring
- Adaptations to protect your shoreline property
- The Benefits of Native Vegetation
- Invasive Vegetation Species Removal
- Stormwater Management

LEARN MORE AND REGISTER AT
<https://tinyurl.com/DECJeffersonWS>

sherman@nwstraitsfoundation.org, (360)632-8599



Appendix I – No-Anchor Zone advertisements

working WATERFRONT

FAVORITE CRUSTACEAN

INSIDE:
EMERGENCY AT SEA
DOCKS TO DIPLOMAS
WATER WORLD
BIGHEARTED BOAT RACE

VOLUNTARY EELGRASS PROTECTION ZONE

PORT TOWNSEND WATERFRONT

• BUOYS

Anchor Out for Safety & Salmon

Protect your boat and important marine habitats by anchoring outside Jefferson County's Voluntary No Anchor Zones. These zones, marked by navigational buoys, protect important eelgrass and shellfish beds.

Keep Your Boat Safe

Boats and eelgrass are both at risk every time a vessel drops anchor into the loose sediments and fragile vegetation of this zone. Anchoring in soft sediments increases the chances of a vessel going adrift or aground.

Anchors and chains also uproot plants, disturb sediment and cause damage that takes years to recover.

Protecting Eelgrass & Shellfish

Eelgrass grows in shallow marine waters, from +1.0 to -17.0 feet below MLLW. Eelgrass meadows trap sediment to offset erosion and absorb wave energy, helping to protect seawalls and pilings from storm damage.

These underwater meadows are nurseries for juvenile salmon, Dungeness crab and flatfish as well as herring, surf smelt and sand lance. Smaller fish become food for shorebirds, marine mammals and adult salmon.

Voluntary No Anchor Zones also protect shellfish beds near Port Hadlock and Mystery Bay. Clam and oyster harvests depend on clean water. Anchoring outside these Voluntary Shellfish Protection Zones prevents accidental contamination of shellfish.

What Else Can You Do?

Everyone can make a difference:

- Minimize use of fertilizers and chemicals on your lawn
- Always use septic pump-out stations for boats and recreational vehicles
- Check your car for oil leaks
- Pick up your dog's poop

Help protect these important marine habitats.



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