

Jordan Clancy

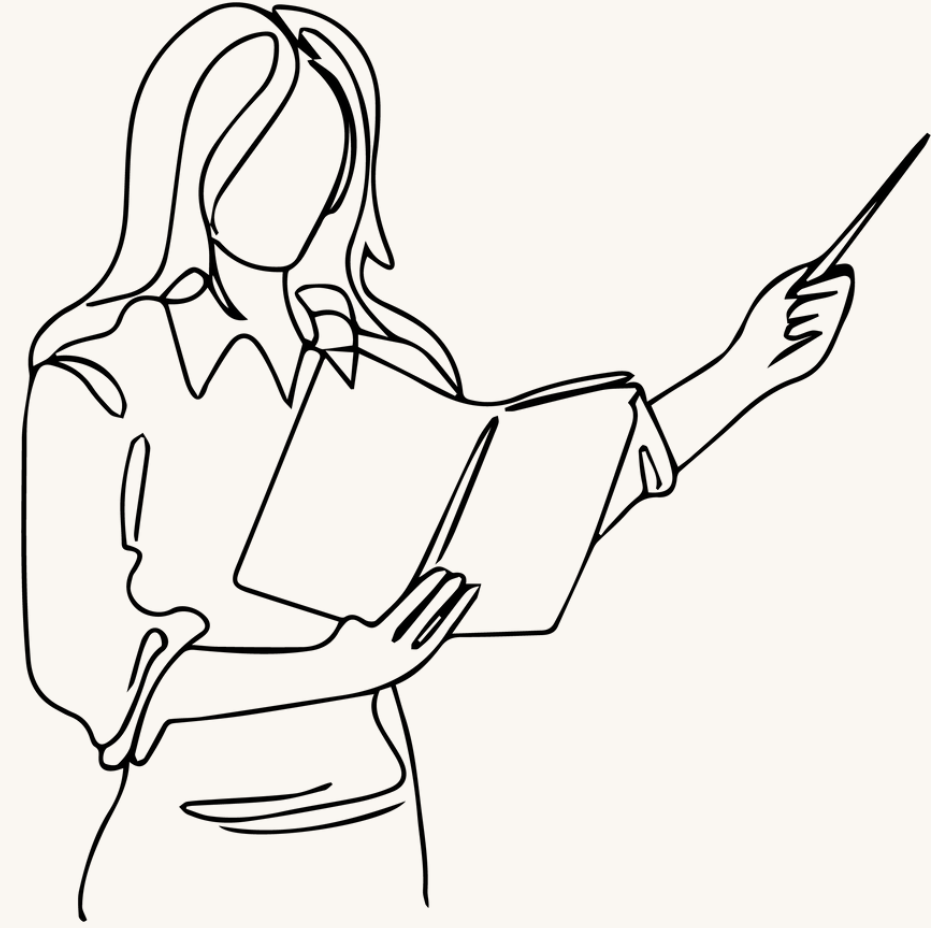
(she/her)



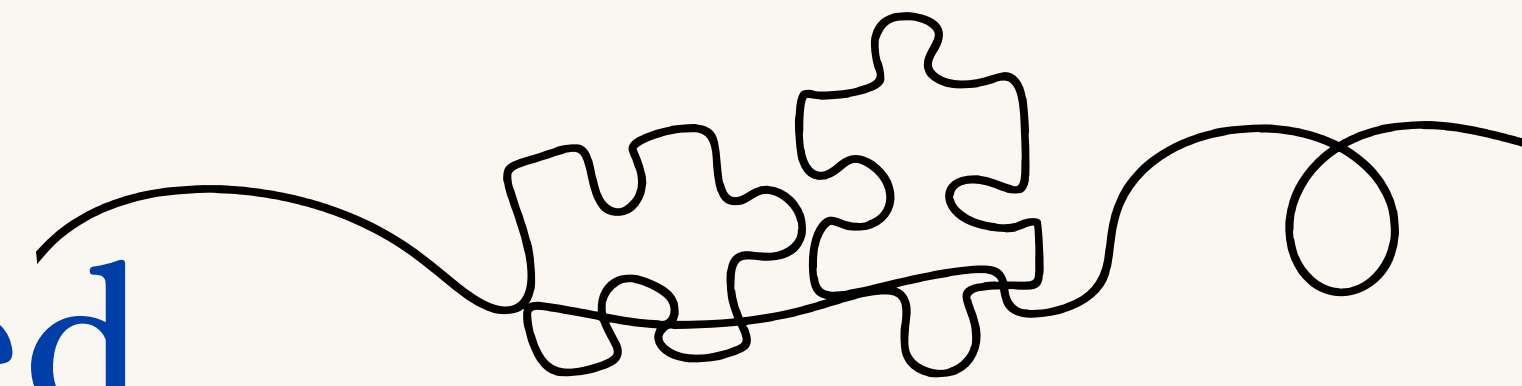
Who I Am

- Ocean Literacy intern
- First gen college student
- Oceanography major
- Navy veteran

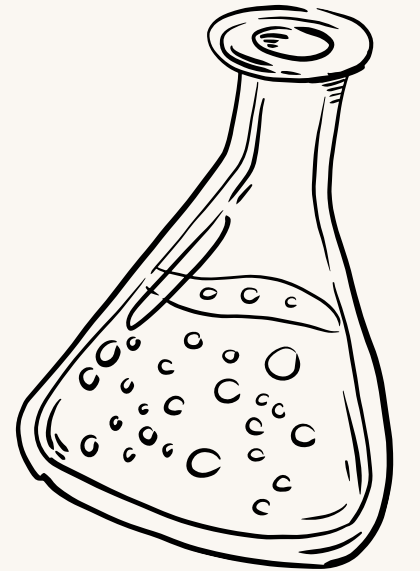




Why I Applied



Shared values



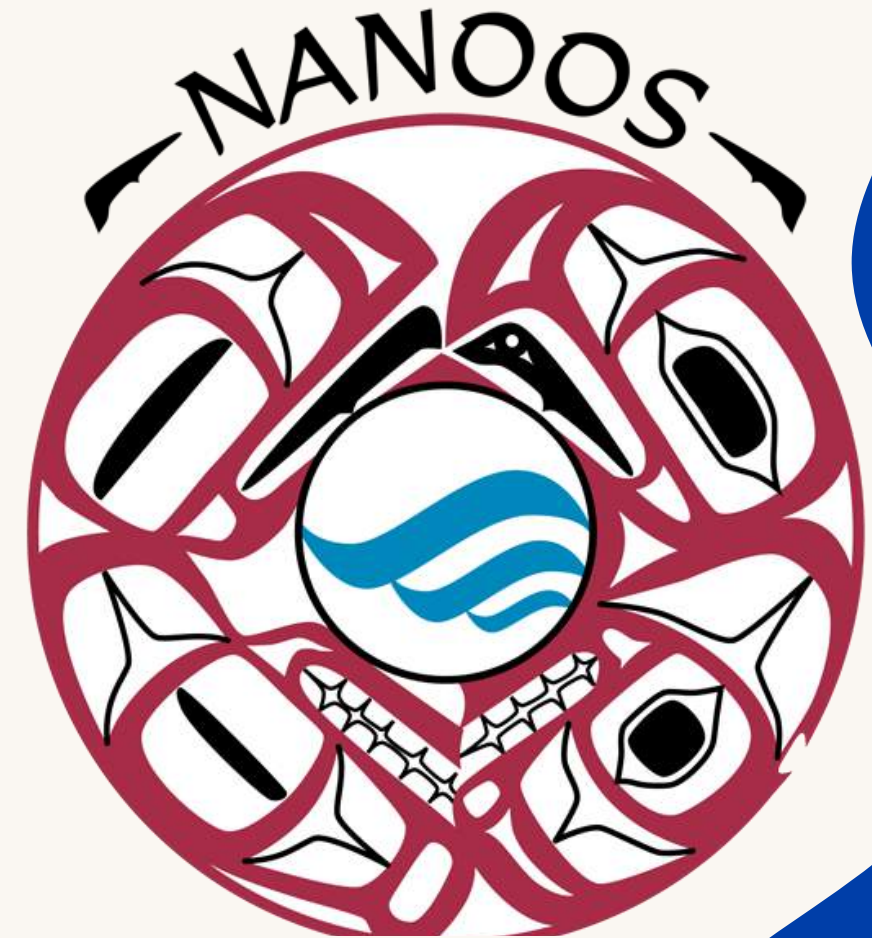
Interdisciplinary collaboration

Professional development + litmus test



Internship

Develop middle school lesson plan on multiple stressors using networked ocean data



Weekly Progress

1-3

Brainstorming ideas,
non-linear paths,
& intro to EJ

Stay open
Take chances
Take
advantage of
resources

**Education is
the driver!**

4-6

Project outline + rough draft
Community, Climate, EJ work

What are you
good at?
+
What do you
enjoy doing?

Weekly Progress

7-9

**Believe
in
yourself!**

Project feedback & finalization

Don't be stagnant!

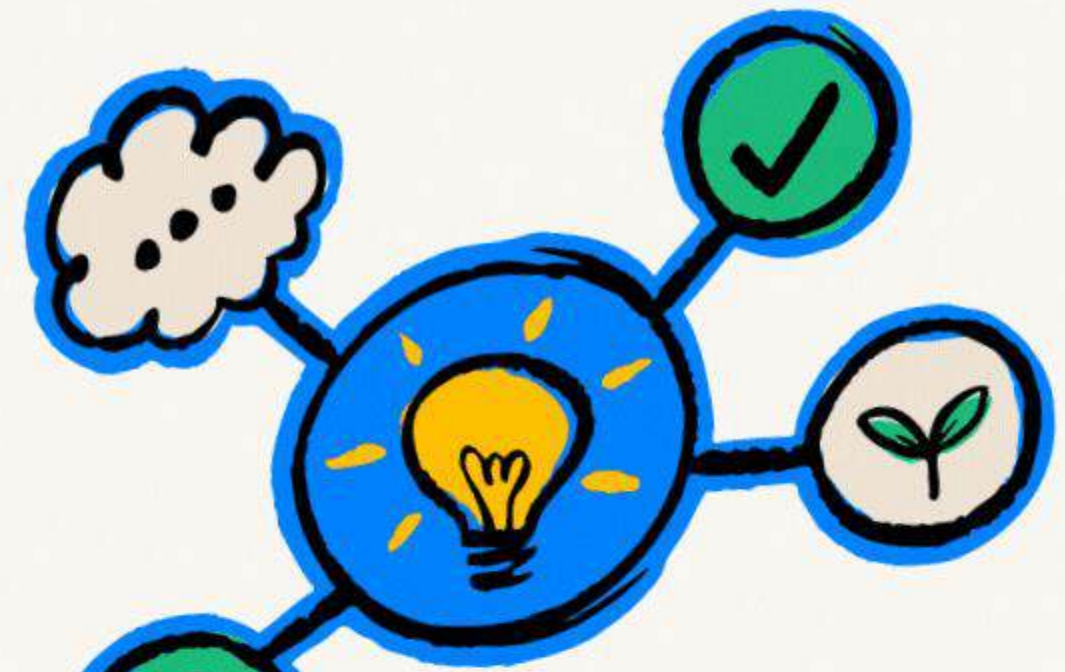
Allow career and
yourself to grow

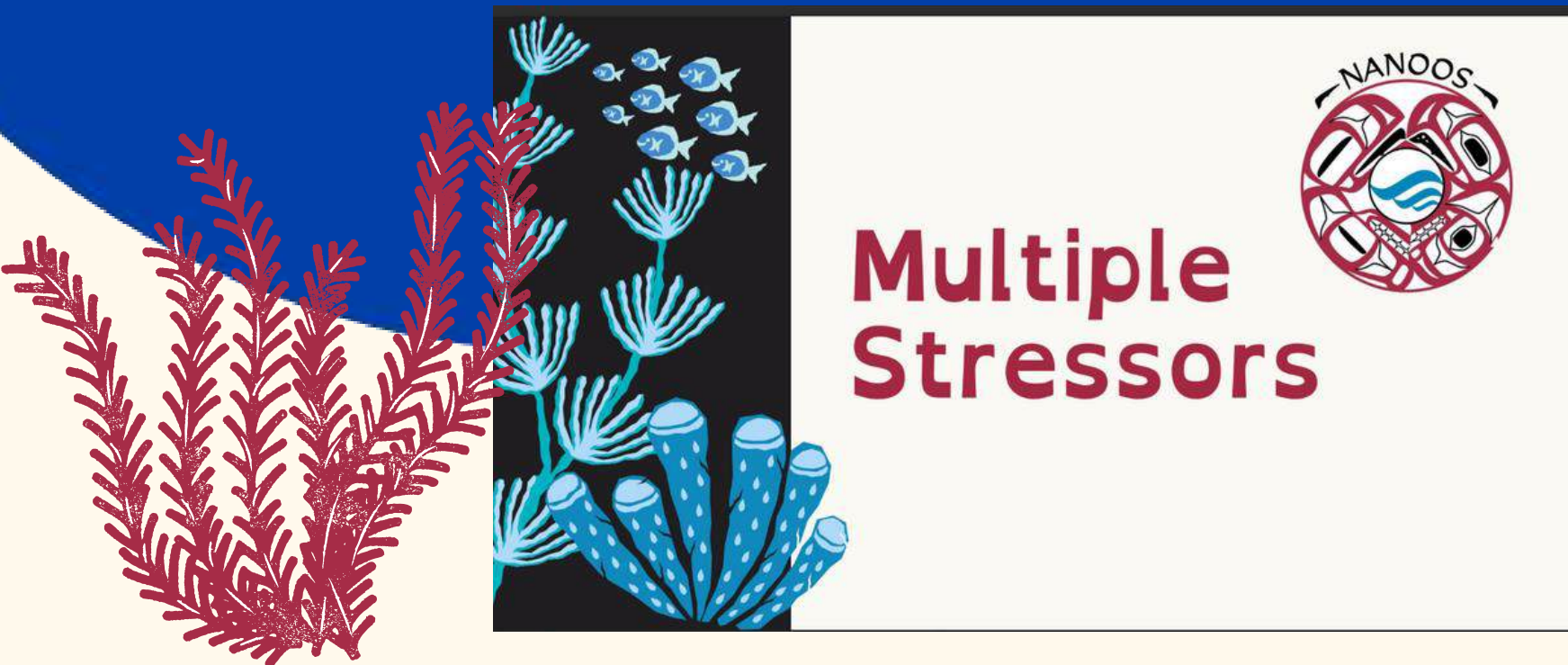
Science communication, Climate
anxiety, Eco-grief, EJ careers
...Oh, my!

Be professionally
curious
&
respect
boundaries



What it felt like

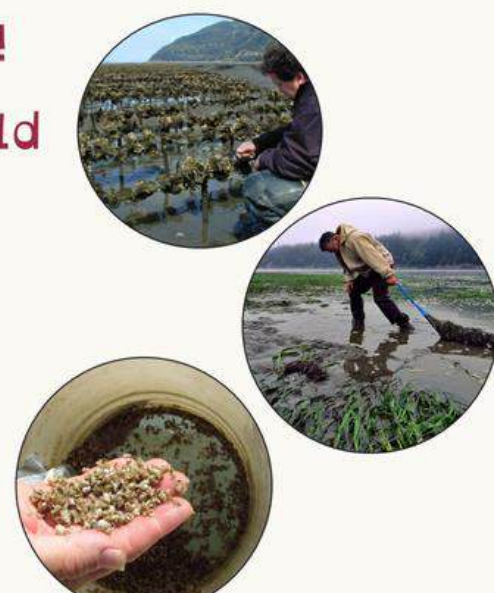




Pretend you're an oyster farmer!
...and want to find out if you should
plant larval seed today.

Use instructions on worksheet to navigate
NANOOS Visualization System (NVS) to view
data for:

- $\Omega_{\text{aragonite}}$
- sea temperatures
- pH



Saturation states

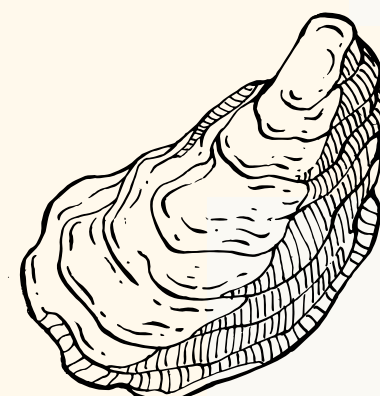


Think of saturation state like making hot chocolate:

Supersaturated: Too much powder mix
(undissolved clumps)

Saturated: when no more cocoa powder will
dissolve in the liquid

Undersaturated: Not enough powder mix
(watery cocoa)



Examples of marine stressors:

- Ocean acidification (OA)
- Marine Heat Waves (MHWs)
- Harmful Algal Blooms (HABs)
- Hypoxia (low oxygen)
- Pollution
 - Excess nutrients, oil spills, marine debris, noise, etc.



Image: Chasing Corals, Netflix



Image: NOAA Marine Debris Program



Why we care

Food security + scarcity

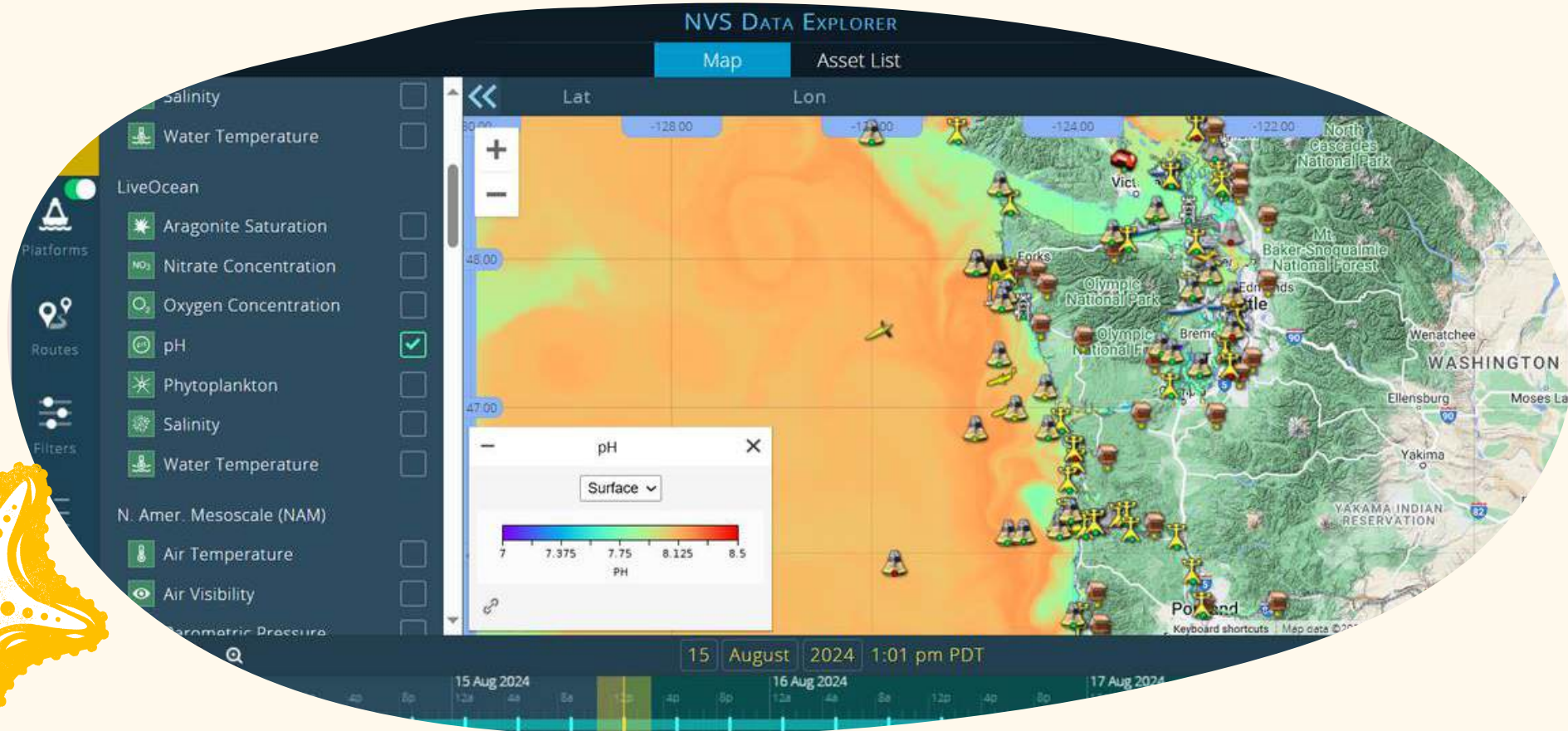
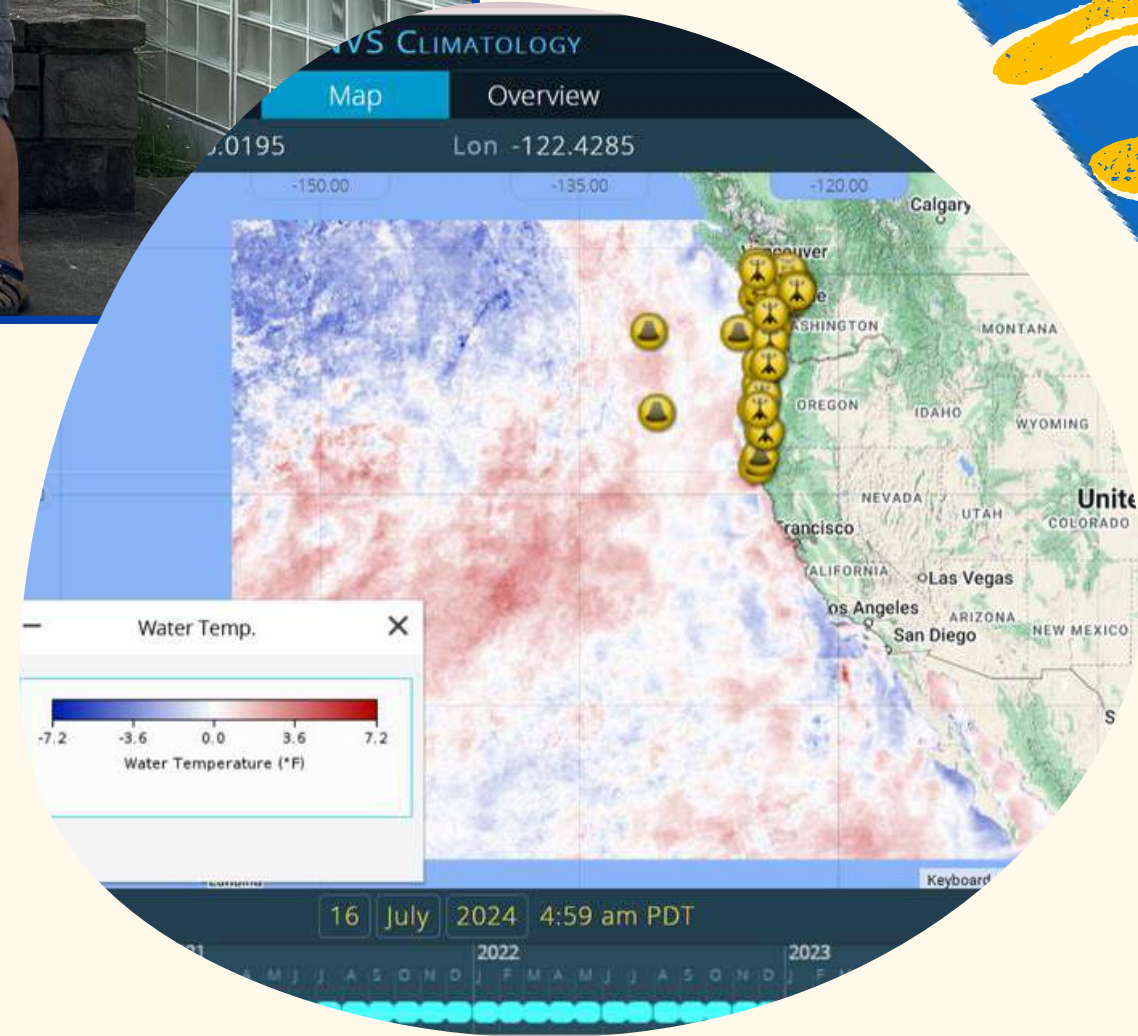
Seafood is a vital and culturally important food source
for humans! Shellfish also serve as important
organisms in many marine food webs

Biodiversity + ecosystems

Coral reefs support habitats for marine organisms, like
fish and mollusks, to live in and hide from predators

- Indigenous cultures + way of life
- Fisheries
- Tourism





Acknowledgements

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