

# Copepod Conundrum: Population Trends

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## People:

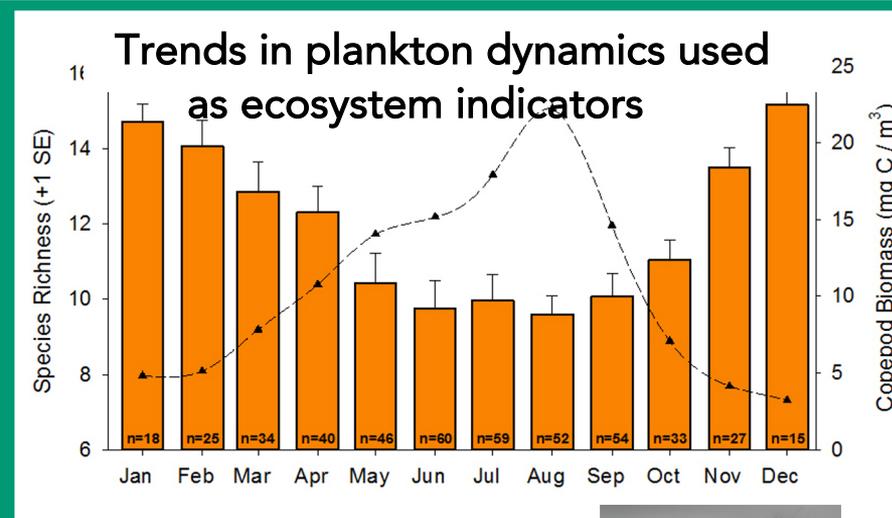
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## Because of ORSEA partnership:

Students were able to develop their own questions based on the research presented:

- **Just because the environment isn't well suited for salmon, could it still be suited for other native organisms? How?**
- **Do biodiversity and biomass always seem to have opposite data? What does that mean if the data of the two happens to be similar?**



## This Marine Research Matters Because:

- Trophic links are important
- Copepod diversity and biomass can serve as a barometer of ocean conditions
- We live in a productive ocean, but what does this mean?
- Physical forces impacts biology
- Long-term ocean monitoring allows us to track changes and shifting baselines as well as make predictions

## Causal Explanation:

Data points will be presented in real time without much explanation. Students will explore the phenomenon by watching a video of a plankton trawl and examining the graph of copepod biomass.

## Learning Plan:

Engage: Plankton trawls and intriguing data.

Explore: Websites with rich resources that detail the complexities of the issues.

Explain: Graphing data sets to show understanding.

Elaborate: Developing and researching questions.

Evaluate: Claim, Evidence, Reasoning.

## QR Code to full unit



**Acknowledgements:** This project is funded by the NSF Regional Class Research Vessels, Oregon Department of Education, and Oregon Sea Grant under award number NA180/AR4170072 and project number R/K12-09-PD from the National Oceanic and Atmospheric Administration's National Sea Grant College Program, U.S. Department of Commerce, and by appropriations made by the Oregon State Legislature. The statements, findings, conclusions, and recommendations are those of the authors and do not necessarily reflect the views of these funders.

