

# Oceanography Senior Thesis Symposium

## OSB 425 // 1:30-5:00pm

### Tuesday June 4<sup>th</sup>



- |      |                           |  |
|------|---------------------------|--|
| 1:35 | <b>Hamlin, Nicole</b>     | Distribution, Abundance, and Diversity of Zooplankton in Barkley Sound, Vancouver Island, Canada                   |
| 1:47 | <b>Sandwick, Lyndsey</b>  | Survey of Dinoflagellate Cysts in Barkley Sound, Vancouver Island, Canada.   |
| 2:00 | <b>Regan, Meg</b>         | Comparing Growth Rates of Natural Phytoplankton Communities to Lab Cultures: Three Experimental Techniques         |
| 2:12 | <b>Turner, Cody</b>       | Methane in an Anoxic Fjord in British Columbia   |
| 2:25 | <b>Cox, Leanna</b>        | Assessing the Influence of Acoustic Variation on the Acquisition of Bathymetric Surveying Data                     |
| 2:37 | <b>Ishimitsu, Zachary</b> | Geological Structure and Acoustic properties of Sediments in Effingham Inlet                                       |
| 2:50 | <b>Stipek, Clinton</b>    | Fine-scale Slope Variation along Historic Low-stand to Identify Sea Level Rise                                     |
| 3:03 | <b>BREAK</b>              |  |
| 3:15 | <b>Twomey, Niall</b>      | The Effect of Shore Armoring on Beach Slope in Mixed Sand and Gravel Beaches.                                      |
| 3:27 | <b>Davies, Evan</b>       | Effects of Fluvial and Marine Processes on Nearshore Suspended-sediment Concentrations off the Elwha River         |
| 3:40 | <b>Paschall, Chris</b>    | The effect of frontal features on chlorophyll concentration in the Kuroshio  |
| 3:52 | <b>Shomshor, Anton</b>    | Meridional Mixing of Water Masses in the Kuroshio Extension: Origins of North Pacific Intermediate Water Anomalies |
| 4:05 | <b>Wilson, Emma</b>       | Phytoplankton Abundance from the Subarctic to the Subtropics Passing through the Kuroshio                          |
| 4:17 | <b>Harrison, Nadine</b>   | Bacterial Biomass along the Kuroshio Current   |
| 4:30 | <b>Tuquero, Mariela</b>   | Comparing Measured and Calculated pH Across the Kuroshio Extension   |
| 4:42 | <b>Stapleton, Carla</b>   | Descriptive Acoustic Analysis of a Newly-discovered Marine Seep  |

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### Thursday June 6<sup>th</sup>



1:35 **Costello, Erin** Spatial, Temporal and Spectral Scale of POC Estimations for the Kuroshio Extension from Satellite-based Estimations



1:47 **McGowan, Jordan** Satellite based Productivity Models across the Kuroshio Extension



2:00 **Chong, Mitchell** Air-sea CO<sub>2</sub> Exchange in the Kuroshio and its Importance to Global CO<sub>2</sub> Uptake



2:12 **Perry, Diane** Kuroshio Extension O<sub>2</sub>/Ar-based NCP Estimates

2:25 **Jarecki, Jakob** Determination of the Change in Anthropogenic Carbon Content in the Kuroshio Extension over the past 20 years using the C\* Method

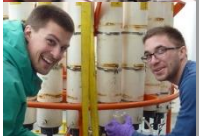


2:37 **Wilson, Solomon** Evaluating Changes of the Anthropogenic Carbon Inventory in the Kuroshio Region using  $\delta^{13}C$



2:50 **BREAK**

3:03 **Benton, Isaac** Finding 'Good Friday'



3:15 **D'Jay, Ryan** Impacts of Aquacultures on Adjacent Intertidal Areas.

3:27 **Rembold, Adrian** Spatial Variability in Surface Sediment Organic Carbon Structure in Barkley Sound, Vancouver Island, Canada



3:40 **Townsend, Ariel** Establishing Paleorecords in the Galapagos using Hydrogen Isotope Ratios as a Proxy for Climate Change

3:52 **Anderson, Aaron** Detecting a shallow surface layer in Barkley Sound from Lagrangian drifter trajectories



4:05 **Braund, Trevor** Circulation Patterns and Processes in Barkley Sound, Vancouver, BC

4:17 **Fletcher, Samuel** Tidal Energy Resource Characterization in Alberni Inlet, BC.



4:30 **Gedney, Marisa** A Mechanical Design Approach to Testing Fluid Turbulence over a Rough Surface

