# Fellow Cohort - Davidson Fellowship 2022-2024

| | NAME | RESERVE | UNIVERSITY | DEGREE | PROJECT TITLE |
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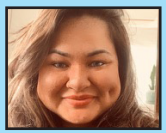
|  | **Jenny Bueno** | Apalachicola | Florida State University | M.S. | Using high resolution aerial imagery to quantify rates of mangrove encroachment into estuarine habitats in Apalachicola Bay |
|  | **Sylvia Jacobson** | Chesapeake Bay - Maryland | University of Maryland | Ph.D. | Plant, Soil, Microbiome Indicators of Coastal Wetland Migration |
|  | **Mary Bryan Barksdale** | Chesapeake Bay - Virginia | Virginia Institute of Marine Science | Ph.D. | Optimizing Salt Marsh Restoration Strategies Using a Coupled Carbon-Sediment Transport Model |
|  | **Elizabeth Whitney** | Delaware | University of Delaware | Ph.D. | Role of Dissolved Organic Matter in Alkalinity of Developed and Pristine Estuarine Waters |
|  | **Seth Robinson** | Elkhorn Slough | University of Florida | Ph.D. | Assessing how environmental conditions affect recolonization of vegetation in a salt marsh restoration site |
|  | **Amanda Free** | Grand Bay | Mississippi State University | M.S. | Utilizing microbial source tracking to evaluate temporal and spatial variation of fecal coliform sources in the Grand Bay NERR |
|  | **Grace McCulloch** | Great Bay | University of New Hampshire | M.S. | Assessing the ability of saltmarsh prioritization tools to predict critical habitat for tidal marsh birds |
|  | **Nalani Olguin** | He'eia | University of Hawaii Manoa | Ph.D. | Ka lepo ke kumu wai, e hua'i ana ka lepo kai: Assessing disease risk from feral Felis cactus and Sus Scrofa within the He'eia watershed |
|  | **Kyra Fitz** | Jacques Cousteau | Rutgers University | Ph.D. | Improved Range Projections for the Atlantic Croaker by Incorporating Local Adaptation into Ecological Niche Models |

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|  | **Natalia Lopez Figueroa** | Jobos Bay | University of South Florida | Ph.D. | Field Ecology of Upside-down Jellyfish (Genus Cassiopea) populations and their potential as bioindicators of the impact of human development in coastal ecosystems |
|  | **Jonah Jossart** | Kachemak Bay | University of Alaska Fairbanks | M.S. | Investigating impacts of Alaskan shellfish and finfish mariculture on soft-sediment benthic ecosystems |
|  | **Kenneth Larsen** | Lake Superior | Michigan Technological Institute | Ph.D. | Assessing the potential impacts of climate change on water quality in a large, freshwater estuary |
|  | **Kyle Runion** | Mission-Aransas | University of Texas at Austin | Ph.D. | Assessing tidal salt marsh resilience to global change as a consequence of water quality, drought, and sea level rise impacts on belowground plant productivity |
|  | **Mary Strickland** | Narragansett Bay | Purdue University | Ph.D. | Barriers to and Opportunities for Conservation-oriented Adaptation to Climate Change in Narragansett Bay |
|  | **Daniel Bowling** | North Carolina | North Carolina State University | Ph.D. | Assessing the Efficacy of Remote Sensing Tools to Map Intertidal Oyster Habitat and Generate a Fishery-Independent Survey Program for Sustainable Management |
|  | **Gwen Hopper** | North Inlet-Winyah Bay | University of South Carolina | Ph.D. | Spatial and Temporal Variability in Dissolved Organic Matter Sources and Composition within the Winyah Bay Watershed |
|  | **Amy Wyeth** | Padilla Bay | University of Washington | Ph.D. | Quantifying pelagic zooplankton prey availability for juvenile fish in eelgrass beds |
|  | **Olivia Won** | San Francisco Bay | University of California, Santa Cruz | M.S. | Assessing and advancing social equity and justice considerations in nature-based adaptation to sea level rise in the San Francisco Bay |

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|  | **Wil Atencio** | Sapelo Island | Georgia Southern University | M.S. | The effects of different water quality conditions on eastern oyster, Crassostera virginica, demographics and disease dynamics in Sapelo Island, Georgia |
|  | **Lara Breitkreutz** | South Slough | Oregon State University | M.S. | Evaluating recovery potential of Eelgrass (Z. marina) from seed banks under ambient and warming scenarios in South Slough NERR |
|  | **Natalie Grayson** | Tijuana River | University of California, San Diego | Ph.D. | Microbial dynamics and responses to pollution gradients at the Tijuana River NERR |
|  | **Hillary Sullivan** | Waquoit Bay | Northeastern University | Ph.D. | The interactive effects of altered hydrology, nitrogen loading, and restoration on salt marsh nitrogen cycling |
|  | **Jacob Dybiec** | Weeks Bay | University of Alabama | Ph.D. | Interactive effects of nutrient enrichment and wave energy on plant community structure and ecosystem stability |
|  | **Helen Cheng** | Wells | Northeastern University | Ph.D | Identifying the distribution of and interactions between range-expanding species (Black sea bass and Blue crabs) and American lobsters |