

Fellow Cohort – Davidson Fellowship 2024 to 2026

	NAME	RESERVE	UNIVERSITY	DEGREE	PROJECT TITLE
	Jacob Simon	ACE Basin	University of Georgia	Ph.D.	Using Deep Learning and Satellite Imagery to Identify and Track Unvegetated Features in Salt Marshes of the ACE Basin
	Harald Mumma	Apalachicola	University of Notre Dame	Ph.D.	Plant, Soil, Microbiome Indicators of Coastal Wetland Migration Understanding Critical Biogeochemical Processes Controlling Biological Health in Apalachicola Bay
	Allyson Kido	Chesapeake Bay – Maryland	University of Maryland	Ph.D.	Understanding the Relationship between Land Use and SAV Ecosystem Services
	Charlotte Henderson	Chesapeake Bay – Virginia	University of North Carolina, Wilmington	Ph.D.	Evaluating Eelgrass Resiliency and Restoration Potential to Enhance Adaptive Management Techniques in a Warming Climate
	Donald Fonseca	Connecticut	University of Massachusetts, Amherst	Ph.D.	Assessing the Ecological and Socioeconomic Efficacy of Nature-Based Infrastructure in Enhancing Climate Resilience: A Case Study of Connecticut's National Estuarine Reserve
	Faith Echiejile	Delaware	Drexel University	Ph.D.	Assessing Carbon Sequestration in Delaware Salt Marshes: A Comparative Analysis of SET Data with Historical Lidar, Sediment Core Analysis, and Eddy Covariance
	Mairi Creedon	Elkhorn Slough	University of California	Ph.D.	Seaweed Bioremediation and the Socioeconomic Dimensions of Coastal Management in the Elkhorn Slough
	Jeneil Patel	Grand Bay	Mississippi State University	M.S.	Movement and Remobilization of Phosphate Contamination in Grand Bay Reserve
	Sidney Axtell	Great Bay	University of New Hampshire	Ph.D.	Modeling the Potential Impacts of River Herring Restoration on the Feeding and Growth of Coastal Fishes
	Meredith Pratt	Guana Tolomato Matanzas	University of Central Florida	Ph.D.	Developing a Predictive Framework for Understanding the Effects of Climate and Management Strategies on Fish Community Assemblages in a Dynamic Estuary

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	Samantha Turner-Rosa	He'eia	University of Maryland	Ph.D.	Community-Driven Science: Adapting He'eia National Estuarine Research Reserve's Reciprocal Collaboration Process to Enhance Education Programming and Empower the Next Generation of Scientists
	Taylor Breton	Hudson River	University of Maryland	M.S.	Restoration of Submersed Aquatic Vegetation in the Hudson River: Genetic Diversity and Genotypic Identity
	Chase Wunder	Jacques Cousteau	Rutgers University	M.S.	Examining the Estuary-to-Ocean Connections of Summer Flounder
	Alexandria Sangermano	Jobos Bay	University of New Hampshire	Ph.D.	Evaluating Restoration Success of Mangrove Habitats in Jobos Bay Reserve, Puerto Rico: A Multidisciplinary Approach to Ecosystem-Based Habitat Monitoring
	Tyelyn Brigino	Kachemak Bay	University of Alaska, Fairbanks	Ph.D.	Aquifer-to-Estuary: Landscape-Scale Hydrological Connectivity Links People and Salmon in South-Central Alaska
	Augustus Pendleton	Lake Superior	Cornell University	Ph.D.	High-Resolution Genomics to Reveal Cyanobacterial "Spawning Grounds" in Lake Superior National Estuarine Research Reserve
	Kelley Savage	Mission-Aransas	Texas A&M - Corpus Christi	Ph.D.	Potential Role of Oyster Reefs in Carbon Sequestration: Implications for Reef Conservation and Restoration
	Karis Kang	Narragansett Bay	University of Rhode Island	Ph.D.	Local Adaptation in a Changing Coastline: the Impact of Ecotypic Variation in Keystone Species on Salt Marsh Restoration
	Mina Surprenant	North Carolina	University of North Carolina, Wilmington	Ph.D.	Using Drones to Develop a New Method for Predicting Marsh Response to Sea Level Rise
	Liam Batchelder	North Inlet – Winyah Bay	University of South Carolina	Ph.D.	Quantifying Dynamics of Penaeid Shrimp Nursery Habitat Use to Inform Ecosystem-Based Management in a Changing World

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	Michael Back	Old Woman Creek	Kent State University	Ph.D.	The Role of Hydrologic Connection and Seasonality on Sediment Nutrient Dynamics in a Coastal Freshwater Wetland
	Joyce Block	Padilla Bay	Western Washington University	M.S.	Effects of Temperature on Larval Development and Survival of the European Green Crab <i>Carcinus Maenas</i>
	Sara Casareto	Rookery Bay	Florida International University	Ph.D.	Patterns of Coexistence and Niche Partitioning in a Multi-Species Shark Nursery
	Christian Tettelbach	San Francisco Bay	University of California	Ph.D.	The Relative Importance of Plasticity and Adaptation for Eelgrass Success in Low Light Environments in Northern California Estuaries
	Ember Crutchfield	Sapelo Island	Georgia Southern University	M.S.	Effects of Saltwater Intrusion on Mature <i>Pinus Taeda</i> Health and Water Use in Barrier Island Maritime Forests
	Elizabeth Diehl	South Slough	University of Oregon	Ph.D.	Determining Trophic Relationships between Invasive European Green Crabs (<i>Carcinus Maenas</i>) and Shellfish Communities in the South Slough
	Shanasia Sylman	Tijuana River	Cornell University	Ph.D.	Reimagining Access through Reciprocal Relationships at Tijuana River Reserve
	Emily Wilson	Waquoit Bay	Boston University	Ph.D.	Effects of Sea Level Rise-Driven Vegetation Shifts and Die-Off on Greenhouse Gas Fluxes
	Shannon Dalessandri	Weeks Bay	University of Alabama	Ph.D.	Using Novel Low-Cost Instrumentation to Monitor Primary Productivity Rates in Weeks Bay with High Spatial and Temporal Resolution
	Graham Diedrich	Wells	Michigan State University	M.S.	Navigable Waters? Evaluating the Utilization of System-Wide Monitoring Program Data for Coastal Resilience Policy