

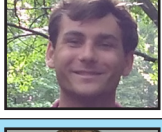
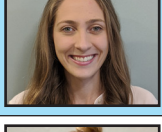



# Fellow Cohort – Davidson Fellowship 2020 to 2022

	NAME	RESERVE	UNIVERSITY	DEGREE	PROJECT TITLE
	<b>Tyler Cribbs</b>	ACE Basin	Clemson University	Ph.D.	Understanding Visitor Use and Its Impacts on Key Resources at the ACE Basin National Estuarine Research Reserve
	<b>Kira Allen</b>	Apalachicola	University of Central Florida	M.S.	Effects of Changing Salinity Regimes on the Apalachicola Bay Food Web
	<b>Daniella Hanacek</b>	Chesapeake Bay - Maryland	University of Maryland	M.S.	Evaluating Carbon Sequestration Potential of Natural and Restored Tidal Marshes in Chesapeake Bay through Quantification of Methane Fluxes and Identification of Drivers
	<b>Derek Detweiler</b>	Chesapeake Bay - Virginia	Virginia Institute of Marine Science	Ph.D.	Composition and Short-Term Fate of Dissolved Organic Carbon in Tidal Marsh Soils
	<b>Elisabeth Powell</b>	Delaware	University of Maryland	Ph.D.	Tracking Marsh Migration and Subsequent Upland Forest Retreat from Sea Level Rise Using Remote Sensing
	<b>Emilio Grande</b>	Elkhorn Slough	University of California – Santa Cruz	Ph.D.	Quantification of Nutrient Fate and Transport in Salt Marsh Pore Water through the Use of a High Frequency Sensor Network and Environmental Tracers
	<b>Matthew Virden</b>	Grand Bay	Mississippi State University	M.S.	Evaluating the Effectiveness of Restoration Approaches for Nearshore Habitat
	<b>Anna Mikulis</b>	Great Bay	University of New Hampshire	M.S.	Stressors and Ecological Responses in Great Bay Estuary
	<b>Ashley Reaume</b>	Guana Tolomato Matanzas	University of Central Florida	M.S.	Monitoring Shifts in Planktonic Communities in Response to Changes in Water Quality Using Metabarcoding Approaches

	<b>Sarah Tucker</b>	He'eia	University of Hawaii at Manoa	Ph.D.	Evaluating Natural and Human-Derived Dynamics in Phytoplankton Communities along the He'eia Estuary-Ocean Continuum
	<b>Clara Chang</b>	Hudson River	Columbia University	Ph.D.	Developing Novel Methods to Measure Historic Wetland Accretion
	<b>Taylor Armstrong</b>	Jacques Cousteau	University of Maryland	Ph.D.	Impact of pH and Dissolved Organic Carbon on Phytoplankton Community Composition in Two New Jersey Estuaries
	<b>Jessica Tipton Black</b>	Jobos Bay	Clemson University	Ph.D.	Developing and Implementing a Biological Condition Gradient for Nearshore Habitats of Puerto Rico
	<b>Edgar Guerron</b>	Kachemak Bay	University of South Florida	Ph.D.	Groundwater Vulnerability in Coupled Human-Natural Systems
	<b>Molly Wick</b>	Lake Superior	University of Minnesota Duluth	Ph.D.	Ecosystem Condition and Human Well-Being in the St. Louis River Estuary
	<b>Philip Souza</b>	Mission-Aransas	The University of Texas at Austin	Ph.D.	Acoustic Assessment of Ecosystem Resilience in Response to Natural and Anthropogenic Stressors in the Mission-Aransas Reserve
	<b>Nia Bartolucci</b>	Narragansett Bay	Boston University	Ph.D.	The Effects of Thin-Layer Placement of Sediment on Carbon and Nitrogen Cycling in New England Salt Marshes
	<b>Marea Lindquist</b>	North Carolina	University of North Carolina Wilmington	Ph.D.	Predicting Marsh Bird Population Response to Sea Level Rise: Providing Information for Management Decisions and a Framework for Other Marsh Species
	<b>Johanna L'Heureux</b>	North Inlet-Winyah Bay	Northeastern University	Ph.D.	Using Marsh Organs to Test the Effects of Salt Marsh Elevation and Nutrient Enrichment on <i>Spartina alterniflora</i> Root Exudate Production and Microbial Community Structure

	<b>Haley Kujawa</b>	Old Woman Creek	Ohio State University	Ph.D.	Building a User-Oriented Management Tool to Assess Hydrology and Water Quality and Facilitate Climate Change Adaptation in Old Woman Creek
	<b>Liz Elmstrom</b>	Padilla Bay	University of Washington	Ph.D.	Land-Sea Metabolic Coupling in Temperate Eelgrass Beds: The Role of Watershed Connectivity and Environmental Gradients on Carbon Sequestration of Seagrass Meadows
	<b>Kristine Zikmanis</b>	Rookery Bay	Florida International University	Ph.D.	Impacts of Altered Freshwater Flow on Juvenile Bull Sharks in the Ten Thousand Islands' Rookery Bay National Estuarine Research Reserve
	<b>Julie Gonzalez</b>	San Francisco Bay	University of California, Davis	Ph.D.	Determining the Effect of Sea Level Rise and Biological Invasions on Salt Marsh Plant Communities in Central California
	<b>Sydney Williams</b>	Sapelo Island	University of Florida	Ph.D.	Quantifying Estuarine Water Quality Change and Its Influence on the Relationship Between Ribbed Mussel ( <i>Geukensia demissa</i> ) Suspension-Feeding Behavior and Phytoplankton Community Structure in Southeastern Atlantic Salt Marshes
	<b>Taylor Dodrill</b>	South Slough	Portland State University	Ph.D.	Characterizing Variation in Fatty Acid Content and Toxin Production in Coastal Phytoplankton for Management of Shellfish Resources
	<b>Nancy Torres</b>	Tijuana River	University of San Diego	M.S.	Assessing Ecosystem Health through Status and Trends of Contaminants
	<b>Claudia Mazur</b>	Waquoit Bay	Boston University	Ph.D.	Forecasting Rates of Sediment Nutrient and Metal Fluxes under Coastal Acidification for Improved Estuarine Water Quality
	<b>Mai Fung</b>	Weeks Bay	University of South Alabama	Ph.D.	Linking Changes in Hydrology, Climate, and Nutrient Loading to Expressions of Eutrophication in Weeks Bay, Alabama
	<b>Jessica Brunacini</b>	Wells	Michigan State University	Ph.D.	Broadening Participation to Build Resilience: Exploring the Role and Effect of Public Participation in Decision-Making around Managed Retreat in Wells, Maine