

GEER 2025 Poster Directory
 (Alpha Order by Presenter Last Name)

As of: 3/26/2025

First Name	Last Name	Organization	City	ST	Approved Format	Assigned Session	Abstract Title
Santiago	Acevedo	South Florida Water Management District	West Palm Beach	FL	Poster	SESSION ONE: Tuesday, April 22	Nutrient Load Reduction Progress Across the Northern Everglades Watersheds
Samuel	Adams	Florida Atlantic University	Boca Raton	FL	Poster	SESSION TWO: Wednesday, April 23	Lithological Controls on Vegetation Patterns in Northern Boreal Peatlands: Implications for the Everglades Ecosystem
Abiola	Adebiyi	Florida Atlantic University	Boca Raton	FL	Poster	SESSION TWO: Wednesday, April 23	Effects of Bottom Morphological Features During Storms: A Case Study of Hurricane Isaac in 2011
Juliana	Alvarez	Florida International University	Miami	FL	Poster	SESSION TWO: Wednesday, April 23	Testing Hydrological Effects on Fire Recovery from Remote Sensing and Field Data
Joseph	Andreoli	Seminole Tribe of Florida	Hollywood	FL	Poster	SESSION ONE: Tuesday, April 22	Habitat Preference of Two Populations of Federally Threatened Raptors on Tribal Lands
Cameron	Atkinson	Florida International University	Miami	FL	Poster	SESSION ONE: Tuesday, April 22	Incorporating Fish Movement Data into Habitat Suitability Indices: A Conceptual Framework for Coastal Mesopredators
Christian	Avila	South Florida Water Management District	West Palm Beach	FL	Poster	SESSION ONE: Tuesday, April 22	Northern Everglades Dispersed Water Management (DWM)
Gina	Badlowski	Florida International University	North Miami	FL	Poster	SESSION ONE: Tuesday, April 22	A Multi-level Approach to Assessing Nektonic Biodiversity and Community Structure of Seagrass Seascapes
Adalena	Band	Florida International University	Miami	FL	Poster	SESSION TWO: Wednesday, April 23	Assessing Variations in Mangrove Growth and Nutrition Across a Hydrologic Gradient in Biscayne Bay
Albert	Barbaretta	Florida Gulf Coast University	Fort Myers	FL	Poster	SESSION TWO: Wednesday, April 23	Effect of Lake Guard Oxy on Zooplankton Population in the Caloosahatchee River

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Steven	Bartell	Stantec	Greenback	TN	Poster	SESSION ONE: Tuesday, April 22	Adapting an Aquatic Food-Web/Ecosystem Model to Simulate P Dynamics in Stormwater Treatment Area 2
Sarah	Bornhoeft	South Florida Water Management District	West Palm Beach	FL	Poster	SESSION ONE: Tuesday, April 22	Wetland-based Strategies for Reducing Nitrogen: The C-43 Water Quality Treatment and Testing Project Phase II
Michael	Chimney	South Florida Water Management District	West Palm Beach	FL	Poster	SESSION ONE: Tuesday, April 22	Treatment Performance Relationships in the Everglades Stormwater Treatment Area Complex
Sophia	Costa	Florida International University	Miami	FL	Poster	SESSION ONE: Tuesday, April 22	Reeling in Data: Redesigning a Fisheries Reporting System to Improve Management in Everglades National Park
Derek	Cox	South Florida Water Management District	West Palm Beach	FL	Poster	SESSION TWO: Wednesday, April 23	The Loxahatchee River Watershed Restoration Project: Monitoring and Adaptive Management for Project Success
Maite	De Maria	Cherokee Nation System Solutions	Gainesville	FL	Poster	SESSION TWO: Wednesday, April 23	Agricultural and Urban Pesticides in South Florida and Florida Manatees
Jessica	Dell	U.S. Army Corps of Engineers	Jacksonville	FL	Poster	SESSION ONE: Tuesday, April 22	Implementing an Applied Science Strategy to Restore, Protect, and Preserve Southwest Florida
Paul	Duff	U.S. Army Corps of Engineers	Jacksonville	FL	Poster	SESSION ONE: Tuesday, April 22	Updates to Conceptual Ecological Models Inform Science-based Water Management Projects
Edwin	Everham	Florida Gulf Coast University	Fort Myers	FL	Poster	SESSION ONE: Tuesday, April 22	Long-term Mangrove Research in South Estero Bay, Florida
Marco	Fernandez	Florida International University	North Miami	FL	Poster	SESSION TWO: Wednesday, April 23	Shifts in Food Web Topology and Biomass Accrual of Wetland Consumers Along an Experimental Discharge Gradient

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Bradley	Foster	U.S. Army Corps of Engineers	Jacksonville	FL	Poster	SESSION ONE: Tuesday, April 22	Anticipated Benefits from the Western Everglades Restoration Project Recommended Plan
Peter	Francissen	U.S. Army Corps of Engineers	Jacksonville	FL	Poster	SESSION ONE: Tuesday, April 22	North Fork St. Lucie River Floodplain Restoration: An Ecological Function-based Approach
Aubrey	Frye	South Florida Water Management District	West Palm Beach	FL	Poster	SESSION ONE: Tuesday, April 22	2025 Northern Everglades and Estuaries Protection Plan (NEEPP) Regional Simulation Model (RSMBN) Update
Denise	Garcia	Florida International University	Miami	FL	Poster	SESSION TWO: Wednesday, April 23	Multitemporal Geophysical Mapping of Saltwater Intrusion in the Southern Region of the Everglades National Park
Sergio	Gonzalez	Seminole Tribe of Florida	Hispanic or Latino	FL	Poster	SESSION ONE: Tuesday, April 22	Comparing Wetlands on Tribal Lands to Similar Systems in an Adjacent National Preserve
Brandon	Güell	Florida International University	Miami	FL	Poster	SESSION ONE: Tuesday, April 22	Hydrologic Determinants of Everglades Crayfish Presence and Aboveground Biomass in the Southwestern Everglades
Chris	Hansen	South Florida Water Management District	West Palm Beach	FL	Poster	SESSION TWO: Wednesday, April 23	Acoustic Monitoring to Assess Restoration Strategies
Savanna	Hearne	FWC/FWRI	St. Petersburg	FL	Poster	SESSION TWO: Wednesday, April 23	Monitoring Restoration and Recovery of Impounded Mangroves in Oleta River State Park
Alyssa	Herrera	Florida International University	North Miami	FL	Poster	SESSION TWO: Wednesday, April 23	Asian Swamp Eel Prey Use and Selection in the Everglades
Natalia	Herrera-Blitman	Florida International University	Miami	FL	Poster	SESSION TWO: Wednesday, April 23	Windthrow in South Florida Pine Rocklands 30 Years Later: Plant Microhabitat Associations on Pine Island

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Jeffrey Matthew	Hoch	Nova Southeastern University	Fort Lauderdale	FL	Poster	SESSION ONE: Tuesday, April 22	Evaluating the Impacts of Invasive Waterhyacinth on Aquatic Communities in the Everglades and Lake Okeechobee
Jing	Hu	University of Central Florida	Orlando	FL	Poster	SESSION ONE: Tuesday, April 22	Evaluating Long-term Performance of Everglades Stormwater Treatment Areas Using Structural Equation Modeling
Md Rajeun	Islam	Florida Atlantic University	Boca Raton	FL	Poster	SESSION ONE: Tuesday, April 22	Investigating Greenhouse Gas Dynamics Using Ground-Penetrating Radar (GPR): from Laboratory to Airborne Field-scale Measurements
Lisa	Jackson	South Florida Water Management District	West Palm Beach	FL	Poster	SESSION ONE: Tuesday, April 22	Tracking Cattail Expansion with Drone Imagery Following Restoration Efforts in WCA 3B
Emily	Kintzele	University of Florida	Gainesville	FL	Poster	SESSION TWO: Wednesday, April 23	Fecal Microplastic Accumulation and Associated Changes in Gut Microbiome in Florida Manatees (<i>Trichechus manatus latirostris</i>)
Andrew	Kuntz	Florida International University	Miami	FL	Poster	SESSION TWO: Wednesday, April 23	Negative Correlations Between Mayan Cichlid and Native Sunfish Catch Rates
Wasantha	Lal	U.S. Army Corps of Engineers	West Palm Beach	FL	Poster	SESSION ONE: Tuesday, April 22	Storm Wave Propagation Along C-111 Canal During Hurricane Irma
James	Leary	South Florida Water Management District	West Palm Beach	FL	Poster	SESSION TWO: Wednesday, April 23	A Change Detection Analysis of Lake Tohopekaliga Using Historical High-Resolution Aerial Imagery
Dong Yoon	Lee	South Florida Water Management District	West Palm Beach	FL	Poster	SESSION ONE: Tuesday, April 22	Revising Regulation Schedule: Balancing Hydrology and Ecology in WCA-2A
Justin	Lesser	Florida International University	Miami	FL	Poster	SESSION ONE: Tuesday, April 22	Using Fisheries-Independent Monitoring Data to Assess Nekton Assemblage Change Across Everglades National Park in Response to Disturbance and Restoration

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Daniel	Marchio	South Florida Water Management District	West Palm Beach	FL	Poster	SESSION ONE: Tuesday, April 22	Analysis of Lacustrine Sediments and their Effect on Submerged Aquatic Vegetation in Lake Okeechobee
Miles	Medina	ECCO Scientific, LLC	Gainesville	FL	Poster	SESSION TWO: Wednesday, April 23	An Early-warning Forecast Model for Red Tide (<i>Karenia brevis</i>) Blooms on the Southwest Florida Coast
Melissa	Miller	University of Florida	Fort Lauderdale	FL	Poster	SESSION TWO: Wednesday, April 23	Artificial Intelligence Based Smart Traps Increase Effectiveness and Reduce Resources Compared to Traditional Traps
Angela	Montoya	Miami Dade Water and Sewer Department	Miami	FL	Poster	SESSION ONE: Tuesday, April 22	Calibration of a Shallow Coastal Aquifer Density Dependent Transport Model and Preparation for 2050 Sea-level Rise Model Scenarios, Miami-Dade County, Florida
Jenny	Morris	Florida Gulf Coast University	Fort Myers	FL	Poster	SESSION ONE: Tuesday, April 22	Assessing Coarse Woody Debris and Mangrove Recruitment in Changing Climates Using GIS and Remote Sensing
Danielle	Nering	Florida Atlantic University	Boca Raton	FL	Poster	SESSION TWO: Wednesday, April 23	Application of Near-surface Geophysics In Assessing Spatio-temporal Variability of Moisture Content In Soils and Trees
Imani	Newton	Florida Atlantic University	Boca Raton	FL	Poster	SESSION TWO: Wednesday, April 23	Exploring the Role of Saltwater Intrusion in the Pore Structure of Freshwater Peat Soils Using Laboratory Techniques
Allison	Nims	Hawaii Pacific University	Honolulu	HI	Poster	SESSION TWO: Wednesday, April 23	Diversity and Distribution of Barnacles on Natural and Artificial Substrates in a Mangrove-dominated Tidal Creek
Aidan	O'Brien	University of Miami	Coral Gables	FL	Poster	SESSION TWO: Wednesday, April 23	Efficacy of Targeted Invasive Herpetofaunal Removal in Everglades Tree Islands
Coralie	Paschal	Florida Gulf Coast University	Fort Myers	FL	Poster	SESSION ONE: Tuesday, April 22	Assessing the Risk Factors for Hurricane-Induced Tree Failure in the Naples Urban Forest

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Cassandra	Preminger	U.S. Army Corps of Engineers	Jacksonville	FL	Poster	SESSION TWO: Wednesday, April 23	The Everglades Multi-species Biological Assessment – A Programmatic Endangered Species Act Consultation
Kara	Radabaugh	Florida Fish and Wildlife Conservation Commission	St. Petersburg	FL	Poster	SESSION ONE: Tuesday, April 22	Chronic Stress Impacts on Mangrove Mortality and Recovery Following Hurricanes in Southwest Florida
Mohammad Masudur	Rahman	Florida Atlantic University	Fort Pierce	FL	Poster	SESSION ONE: Tuesday, April 22	Coupled Physical-biogeochemical Modeling to Understand Cyanobacterial Bloom Dynamics in St. Lucie Estuary
Michael	Ross	Florida International University	Miami	FL	Poster	SESSION ONE: Tuesday, April 22	Mangrove Transgression into Everglades Marshes: A Process to be Accepted, Resisted, or Directed?
Bethany	Ryder	Florida Gulf Coast University	Fort Myers	FL	Poster	SESSION ONE: Tuesday, April 22	Evaluating the Effects of Lake Guard® Oxy on Phytoplankton Communities in the Caloosahatchee River
Tracey	Schafer	University of Florida-Whitney Laboratory	Saint Augustine	FL	Poster	SESSION ONE: Tuesday, April 22	Changes in Soil Phosphorus Over Fifteen Years in the Historically Oligotrophic Everglades National Park
Christopher	Searcy	University of Miami	Coral Gables	FL	Poster	SESSION ONE: Tuesday, April 22	Traits that Facilitate Invasion of Natural Habitat
Zoe	Spielman	University of Florida Soil, Water, and Ecosystem Sciences Department	Gainesville	FL	Poster	SESSION ONE: Tuesday, April 22	Trends of Phosphorus Storage in Well- vs Underperforming Everglades Stormwater Treatment Wetlands
Grant	Steelman	Seminole Tribe of Florida	Hollywood	FL	Poster	SESSION TWO: Wednesday, April 23	Examining the Phenology of Flowering, Fruiting, and Fruit Maturation in Saw Palmetto (<i>Serenoa repens</i>)
Gustavo	Suarez-Narvaez	U.S. Army Corps of Engineers	Jacksonville	FL	Poster	SESSION ONE: Tuesday, April 22	USACE Project Integration in Southeast Florida

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Anna	Swigris	South Florida Water Management District	West Palm Beach	FL	Poster	SESSION ONE: Tuesday, April 22	Zooplankton Monitoring in Lake Okeechobee's Pelagic Zone
Nicole	Szelistowski	Florida Fish and Wildlife Conservation Commission	St. Petersburg	FL	Poster	SESSION ONE: Tuesday, April 22	Comparing Carbon Stocks and the Physical Environment of Created and Natural South Florida Mangrove Forests
Danielle	Talley	Florida Atlantic University	Boca Raton	FL	Poster	SESSION TWO: Wednesday, April 23	Incorporating Climate Change Scenarios and Interactive Stressors into a Seagrass Model for Florida Bay
Mary	Truglio Fesmire	South Florida Water Management District	West Palm Beach	FL	Poster	SESSION ONE: Tuesday, April 22	Post-restoration Monitoring of the Picayune Strand Restoration Project
Charley	Vance	Florida Gulf Coast University	Fort Myers	FL	Poster	SESSION TWO: Wednesday, April 23	A Symphony of Sound: Examining Ecological Resilience in the Picayune Strand Using Bioacoustics
Victoria	Vossler	Mote Marine Laboratory	Sarasota	FL	Poster	SESSION TWO: Wednesday, April 23	<i>Karenia brevis</i> Cell and Brevetoxin Mitigation using EPA FIFRA-exempt Natural Products
William	Walker	Consultant to Department of the Interior	Harpswell	ME	Poster	SESSION TWO: Wednesday, April 23	Simulating Water & Phosphorus Balances of the Everglades Stormwater Treatment Areas & Water Conservation Areas
Kiah	Williams	U.S. Army Corps of Engineers	Jacksonville	FL	Poster	SESSION ONE: Tuesday, April 22	Comprehensive Everglades Restoration Plan Adaptive Management: Integrating Science Across Projects to Increase Restoration Success
Peter	Xiong	University of Florida	Gainesville	FL	Poster	SESSION TWO: Wednesday, April 23	Enhancing Detection of Invasive Tegus in the Everglades with Scent Lures and Camera Traps
Caitlin	Beaver	U.S. Geological Survey	Gainesville	FL	Poster	SESSION TWO: Wednesday, April 23	Burmese Python Environmental DNA in Waterways North of the Greater Everglades Ecosystem 2019-2023

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Allison	Benscoter	U.S. Geological Survey	Kearneysville	WV	Poster	SESSION TWO: Wednesday, April 23	Incorporating Future Environmental Variability into Restoration Project Planning
Logan	Crees	USDA-ARS Invasive Plant Research Lab	Fort Lauderdale	FL	Poster	SESSION ONE: Tuesday, April 22	Predators and Parasitoids of <i>Lygodium</i> Biological Control Agents
Sandeep	Dabral	U.S. Army Corps of Engineers	West Palm Beach	FL	Poster	SESSION ONE: Tuesday, April 22	Simulation of Stormwater Runoff in the C-111 Basin Using the RSM-TVDLF Model
Andre	Daniels	U.S. Geological Survey Wetland and Aquatic Research Center	Davie	FL	Poster	SESSION TWO: Wednesday, April 23	Climate Effects on Jim Foot Key's Mangrove Coastline, Florida Bay, Everglades National Park, USA
Ankita	Datta	University of Florida	Gainesville	FL	Poster	SESSION TWO: Wednesday, April 23	Advancing the Science of Long-term Nutrient Accretion in Everglades Stormwater Treatment
Nicholas	Enwright	U.S. Geological Survey	Lafayette	LA	Poster	SESSION ONE: Tuesday, April 22	Digital Elevation Models for the Everglades Depth Estimation Network with Elevation Uncertainty Treatment
Caitlin	Hackett	U.S. Geological Survey	Davie	FL	Poster	SESSION TWO: Wednesday, April 23	Examining Near Term Hydrologic Forecasts for the Greater Everglades
Kristen	Hart	U.S. Geological Survey Wetland and Aquatic Research Center	Davie	FL	Poster	SESSION TWO: Wednesday, April 23	Biodiversity Hotspots of Satellite-tracked Marine Turtles in the Florida Keys National Marine Sanctuary
Judson	Harvey	U.S. Geological Survey	Reston	VA	Poster	SESSION TWO: Wednesday, April 23	Nature-based Flow Re-connection of Everglades Wetlands to Sustain Water and Ecological Resources
Young Gu	Her	University of Florida	Homestead	FL	Poster	SESSION TWO: Wednesday, April 23	Temporal and Spatial Trends of Air Temperature, Precipitation, and Drought Characteristics in Florida: Implications for Climate Change Adaptation

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Junaid	Lone	University of Florida	Plant City	FL	Poster	SESSION TWO: Wednesday, April 23	Using LiDAR and InSAR for Soil Subsidence Analysis in the Everglades Agricultural Area, South Florida
Marques	Lopez	Miami-Dade County, Division of Environmental Resources Management	Miami	FL	Poster	SESSION TWO: Wednesday, April 23	Evaluation of a Recent Macroalgae Overgrowth Event Nearshore of Sands Key, Biscayne National Park
Yuanming	Lu	University of Florida	Gainesville	FL	Poster	SESSION TWO: Wednesday, April 23	Host-pathogen Dynamics and Biocontrol Strategies for Invasive <i>Melaleuca</i> in South Florida
Marisa	Martinez	U.S. Geological Survey	Gainesville	FL	Poster	SESSION TWO: Wednesday, April 23	Reducing Uncertainty of Wading Bird Colony Size Predictions with the Everglades Vulnerability Analysis Tool
Genevieve	O'Riley	USDA-ARS Invasive Plant Research Lab	Davie	FL	Poster	SESSION ONE: Tuesday, April 22	Decoding Waterlettuce: Genetic Diversity and Control Strategies for Florida's Invasive Aquatic Menace
Adam	Perez	U.S. Geological Survey	Gainesville	FL	Poster	SESSION TWO: Wednesday, April 23	A Molecular Platform to Assess the Feasibility of Genetic Biocontrol Approaches for Invasive Burmese Pythons
John	Pierce	U.S. Geological Survey	Corvallis	OR	Poster	SESSION TWO: Wednesday, April 23	Spatial-Temporal Habitat-Based Variability in Forage Fish Mercury Concentrations in the Florida Everglades
Kevin	Rafferty	U.S. Geological Survey	Davie	FL	Poster	SESSION TWO: Wednesday, April 23	Machine Learning Models for Water, Energy and Greenhouse Gas Fluxes Measured from a Dwarf Cypress Wetland Within the Greater Everglades
Stephanie	Romañach	U.S. Geological Survey	Gainesville	FL	Poster	SESSION ONE: Tuesday, April 22	Balancing Ecological Outcomes in Everglades Restoration and Water Management
Rolando	Santos	Florida International University	Miami	FL	Poster	SESSION TWO: Wednesday, April 23	Assessment of Nektonic Communities' Spatiotemporal Patterns in the Everglades Coastal Lakes Using a Fisheries-independent Monitoring Approach

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Caroline	Smith	Stantec	North Palm Beach	FL	Poster	SESSION TWO: Wednesday, April 23	South Florida Water Management District – Lake Okeechobee Watershed Restoration Project, Aquifer Storage and Recovery Wells: A Project Overview
Vincent	Spaid	Cherokee Nation System Solutions	Tulso	OK	Poster	SESSION ONE: Tuesday, April 22	Modeling the Effect of Salinity and Sea Level Rise on Alligator Production
Michael	Tate	U.S. Geological Survey	Madison	WI	Poster	SESSION ONE: Tuesday, April 22	Investigating Mercury Bioaccumulation and Risk in Invasive Reptiles in the Florida Everglades
Brian	Weber	U.S. Geological Survey	Davie	FL	Poster	SESSION ONE: Tuesday, April 22	Collection of Digital Imagery to Support Carbon Cycling Research in the Greater Everglades