



# TIMUCUAN

SCIENCE AND HISTORY

---

S Y M P O S I U M

January 26, 2024, Ribault Club, Jacksonville, Florida

| <b>Agenda</b>  |  |
|--|--|
| <b>M.C.:</b> R. Steven Kidd, Timucuan Ecological and Historic Preserve |  |
| <b>8:30 – 9:00 a.m.</b>  | <b>Registration and Light Breakfast</b><br>Sponsor tables are located in the front hall. All oral sessions will be in the Ballroom. The posters will be in the Hall and Dining Room Foyer.   |
| <b>9:00 – 9:15 a.m.</b>  | <b>Welcome</b><br>Mayda Velez, Interim Executive Director, Timucuan Parks Foundation<br>Allison Conboy, Environmental Specialist, Talbot Islands State Parks<br>Chris Hughes, Superintendent, Timucuan Ecological and Historic Preserve  |
| <b>9:15 – 9:30 a.m.</b>  | <b>Update on Research and Projects at<br/>           Timucuan Ecological and Historic Preserve</b><br>R. Steven Kidd<br>Timucuan Ecological and Historic Preserve  |
| <b>9:30 – 10:30 a.m.</b>   | <b>Session I: Paper Presentations</b><br><b>Moderator: Wade Smith</b><br><b>Location: Ballroom</b><br><br><b>SECN Estuarine Water-Quality Monitoring in Timucuan Ecological and<br/>           Historic Preserve 2005-2023</b><br>Eric Starkey<br>National Park Service – Southeast Coast Network<br><br><b>Status of Terrestrial Vegetation Within Forested Habitats of Timucuan<br/>           Ecological and Historic Preserve</b><br>Forbes Boyle<br>National Park Service – Southeast Coast Network |

## Agenda

|  |   |
|--|---|
|  | <p style="text-align: center;"><b>Enhancing Assessments of Coastal Wetland Migration Potential with Sea-level Rise: Accounting for Uncertainty in Elevation Data, Tidal Data, and Future Water Levels</b></p> <p style="text-align: center;">Nicholas M. Enwright<sup>1</sup>, Michael J. Osland<sup>1</sup>, Hana R. Thurman<sup>2</sup>, Claire E. McHenry<sup>2</sup>, William C. Vervaeke<sup>3</sup>, Brett A. Patton<sup>1</sup>, Davina L. Passeri<sup>4</sup>, Jason M. Stoker<sup>5</sup>, Richard H. Day<sup>1</sup>, and Bethanie M. Simons<sup>2</sup></p> <p style="text-align: center;"><sup>1</sup>U.S. Geological Survey, Wetland and Aquatic Research Center<br/> <sup>2</sup>Contracted to the U.S. Geological Survey<br/> <sup>3</sup>National Park Service, Southeast Coast Inventory and Monitoring Network<br/> <sup>4</sup>U.S. Geological Survey, St. Petersburg Coastal and Marine Science Center<br/> <sup>5</sup>U.S. Geological Survey, National Geospatial Program</p> <p style="text-align: center;"><b>The Life and Death of Mangroves at Their North American Poleward Range Limit: A Report on the Northernmost Mangroves in TIMU and Their Fate During the 2023 Freezes</b></p> <p style="text-align: center;">William “Ches” Vervaeke<br/> National Park Service – Southeast Coast Network</p> |
| <p style="text-align: center;"><b>10:30 – 10:45 a.m.</b></p> | <p style="text-align: center;"><b>Q &amp; A Session I</b></p>   |
| <p style="text-align: center;"><b>10:45 – 11:00 a.m.</b></p> | <p style="text-align: center;"><b>Morning Break</b></p>   |
| <p style="text-align: center;"><b>11:00 – 12:00 p.m.</b></p> | <p style="text-align: center;"><b>Session II: Paper Presentations</b></p> <p style="text-align: center;"><b>Moderator: Wade Smith</b><br/> <b>Location: Ballroom</b></p> <p style="text-align: center;"><b>The Search for Franklinton: An Evolving Perspective</b><br/> Eugene Emory<br/> Franklinton Historical Association; Emory University</p> <p style="text-align: center;"><b>Northern Transplants along the Georgia Florida Line: 1796-1812</b><br/> Colin Moore<br/> City of Neptune Beach, FL</p> <p style="text-align: center;"><b>United States Colored Troops and Timucuan Ecological and Historic Preserve</b><br/> Keith Hebert, Peter Thomas, and Matthew Roberts<br/> Auburn University</p>  |

| <b>Agenda</b>             |  |
|---------------------------|--|
| <b>12:00 – 12:15</b>      | <b>Q &amp; A Session II</b>  |
| <b>12:15 - 12:30 p.m.</b> | <b>Group Photo</b>   |
| <b>12:30 – 1:15 p.m.</b>  | <b>Lunch<br/>Location: Dining Room</b>   |
| <b>1:15 - 1:45 p.m.</b>   | <p><b>Session III: Poster Session &amp; Networking</b><br/> <b>Location: Hall / Dining Room Foyer</b></p> <p><b>Monitoring Status of Persea Species Within Timucuan Ecological and Historic Preserve with a Focus on Laurel Wilt Disease</b><br/> Mallorie Davis<sup>1</sup> &amp; Alyssa Sanderson<sup>2</sup><br/> National Park Service – Southeast Coast Network<sup>1</sup><br/> Conservation Legacy – Scientists in Parks<sup>2</sup></p> <p><b>Developing an Updated Shoreline Monitoring Protocol Through Comparative Data Collection and Analysis</b><br/> Scott Jones<sup>1</sup>, Corey Kempinski<sup>1</sup>, Faith Wahl<sup>1</sup>, André Brébion<sup>1</sup>, and William “Ches” Vervaeke<sup>2</sup><br/> University of North Florida</p> <p><b>Archaeological Remains of Animals from Past Meals at Sarabay (2022 Excavation Season)</b><br/> Amelia King &amp; Jacqueline Meier<br/> University of North Florida</p> <p><b>Houston Plantation: Unfinished Narratives and Future Prospects</b><br/> Kaia Lacey<br/> University of North Florida</p> <p><b>TEAM TERRAPIN: Origins &amp; Aspirations</b><br/> Shannon McNeil<br/> Turtle Survival Alliance - North American Freshwater Turtle Research Group</p> <p><b>Annual Trends in Oyster Spat and Barnacle Density at Kingsley Plantation</b><br/> Victor Ritz<br/> University of North Florida</p> |

## Agenda

|                         |   |
|-------------------------|---|
| <p>1:45 - 2:45 p.m.</p> | <p style="text-align: center;"><b>Session IV: Paper Presentations</b><br/><b>Moderator: Maria Mark</b><br/><b>Location: Ballroom</b></p> <p style="text-align: center;"><b>Sea Turtle Nesting Trends on Cumberland Island National Seashore: A Conservation Success Story</b><br/>Alexandria E. Hancock &amp; Doug M. Hoffman<br/>National Park Service – Cumberland Island National Seashore</p> <p style="text-align: center;"><b>TEAM TERRAPIN: How Undergraduate Research Experiences, Citizen Science and Partnerships Impact Data</b><br/>Tabitha Hootman<br/>Turtle Survival Alliance - North American Freshwater Turtle Research Group</p> <p style="text-align: center;"><b>Restoring Habitat for Fish and Crustaceans in Energetic Systems with the Pervious Oyster Shell Habitat (POSH)</b><br/>Hunter Mathews*<br/>University of North Florida</p> <p style="text-align: center;"><b>Analysis of Pervious Oyster Shell Habitat (POSH) Unit Performance in Mitigating Shoreline Erosion</b><br/>Makaya Malila<br/>University of North Florida</p> <p style="text-align: center;"><b>Laboratory Measurements of Wave Transmission Through Oyster-Based Low-Crested Breakwaters</b><br/>Michael Roster<br/>University of North Florida</p> <p style="text-align: center;">*2023 Student Research Grant Recipient</p> |
| <p>2:45 – 3:00 p.m.</p> | <p style="text-align: center;"><b>Q &amp; A Session IV</b></p>  |
| <p>3:00 – 3:15 p.m.</p> | <p style="text-align: center;"><b>Afternoon Break &amp; Evaluations</b></p>   |

## Agenda

|                         |   |
|-------------------------|---|
| <b>3:15 – 4:15 p.m.</b> | <b>Session V: Paper Presentations</b><br><b>Moderator: Maria Mark</b><br><b>Location: Ballroom</b><br><br><b>Sampling, Mapping, and Dating Shell Formations at Cedar Point North</b><br>Victoria Hayes*<br>University of North Florida<br><br><b>Cedar Point West (8DU63) and the Broader St. Marys Culture</b><br>Magdalynne Alley<br>University of North Florida<br><br><b>Using Lidar in the Preserve: A Cultural Resource Approach</b><br>Robert Thunen<br>University of North Florida<br><br><b>Finding a Needle in a Haystack: Unearthing the Sarabay Council House?</b><br>Keith Ashley<br>University of North Florida<br><br>*2023 Student Research Grant Recipient |
| <b>4:15 – 4:30 p.m.</b> | <b>Q &amp; A Session V</b>  |
| <b>4:30 p.m.</b>        | <b>Closing Remarks, Evaluations, Adjourn</b>  |