



HMS Florida
Quarterly Report – Jan/Feb/March 2024
Sarah Miller, Director
Database Manager, Kassie Kemp

Volunteer Opportunities: HMS Database Management Activities

Kassie continued to work with Rachael Kangas to revamp the HMS Florida Course Portal in Canvas. Kassie and Rachael created content for the new Canvas website and reviewed material created for the new modules. Kassie finalized digital signature versions of the FPAN liability release, photo release, and Rachael and Kassie worked with FPAN staff to finalize a new version of the ethics statement with input from Katie Miyar at BAR. Rachael and Kassie also worked with FPAN staff to update questions and wording on the HMS Monitoring Form and Kassie updated the paper version and Arches with the new wording. Kassie worked on QRQC and updates for the HMS Florida Arches Database. She collaborated with Adam Cox at Legion GIS to fix bugs and glitches and clean up Scout Report entries in Arches. Kassie continued to attend Arches US User Group meetings. Kassie completed an FMSF update to Arches that added 138 archaeological sites, 26 cemeteries, and 3 structures to the database.

Kassie worked with Maeghan Brass of the to finalize the project page for the People of Guana grant. With help from Emily Jane Murray, Kassie reviewed, edited, and added content to complete the project page which lists all of the grant's results and redacted, publicly-accessible data. Kassie worked closely with FPAN staff to complete site file updates for archaeological sites and cemeteries in the Northeast and East Central regions. Kassie and HMS scout Chris Nolan worked together to complete updated and new FMSF forms for cemeteries in the Northeast Region visited by FPAN staff and cemeteries Chris visited while in Florida.

Grant Opportunities: Curating People of Guana

The project page on the NERRS Science Collaborative website for the People of Guana grant is almost complete. The page summarizes the grant project and gives access to all of the project's data, reports, and multimedia. The data is redacted for public consumption and the non-redacted data is available by request.

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PEOPLE OF GUANA

Project Type:
Collaborative Research

Focus Areas:
Climate Change; Ecosystem Service; Valuation

Keywords:
cultural ecosystem services; archaeological sites; sea level rise

Lead Reserve:
Guana Tolomato Matanzas, FL

Reserves:
Guana Tolomato Matanzas, FL

Project Duration:
October 2018 - June 2023

Grant Amount:
\$600,000.00

Project Lead:
• [Sara Miller, Florida Public Archaeology Network \(FPAN\), \[sara@fpan.org\]\(mailto:sara@fpan.org\)](#)

Collaborative Lead:
• [Emily Sara Murray, FPAN, \[Emurphy@fpan.org\]\(mailto:Emurphy@fpan.org\)](#)

Technical Lead:
• [Lee Lee, Taylor College, \[lee@taylor.edu\]\(mailto:lee@taylor.edu\)](#)

Partners:
Florida Public Archaeology Network; Flagler College; Eastern Tennessee State University; South Carolina Department of Natural Resources; University of Washington; HelixLand Heritage Consulting; LogosGIS, LLC; National Park Service; CultureScape; National Gulf of Mexico National Heritage Center

Project record in national catalog >

From Past to Present: Ecosystem Services and People of the Guana Peninsula

As climate change and development threaten the natural and cultural resources of the Guana Peninsula, this project used a combination of archaeological investigations and applied anthropological methods to increase understanding of how people past and present have used the resources to inform their future management.



The project

For over 6000 years, people have called the Guana Peninsula home, largely due to the bountiful resources of the estuary. These resources, both natural and cultural, are at risk now more than ever due to threats from climate change impacts and development. The GIM research reserve already manages the southern portion of the Guana Peninsula, providing stewardship, visitor access, and along with the Gulf of Mexico Cultural Heritage Corridor Commission and the National Park Service's Timucuan Ecological and Historic Preserve, education and interpretive programming. This project aimed to better understand how resources were used in the past and how they currently are being used by communities, to ensure responsible resource management and relationship building with visitors, descendants, and other community stakeholders and for program development to expand the narrative of the Gulf of Mexico in northeast Florida.

The project used a combination of archaeological investigations and applied anthropological methods and is the inaugural case study of the North American Heritage at Risk (NAHAR) research pipeline for addressing heritage at risk and engaging a variety of stakeholders. The project produced predictive models of climate change impacts, 3D site assessments for 19 archaeological sites, five new archaeological site documents, stakeholder survey and follow up interview analysis, a technical report that describes the results of fieldwork, engagement of the public and outreach products, and three-dimensional models of artifacts, dendroecology, and point cloud comparisons of structures over time. The modeling, monitoring, meeting, and methodizing data are available for further interpretation of the ecosystem services of the Guana Peninsula and to inform management strategies for cultural and environmental resources to best fit the needs of the reserve and the surrounding community.

The impact

- Increased knowledge of visitor use and connections to the ecosystem services of the Guana Peninsula
- Increased current and historical knowledge of the Guana Peninsula resources that can bolster interpretive and educational programming at the GIM NEHR
- More public interest and stewardship of archaeological resources at the GIM NEHR including trained HRS Florida Scouts to monitor archaeological sites and enhance visitor experiences
- Completion of a pilot for the North American Heritage at Risk (NAHAR) research pipeline which can be looked to as an example for future projects



Volunteer citizen scientists are key to the HRS Florida monitoring program. Scouts are trained to help collect data on an archeological site across the Peninsula. The data plays a crucial role in monitoring which sites may need further research or protection. Photo credit: Emily Sara Murray

Project Products

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| <p>Data</p> <p>People of the Guana Peninsula: Meeting Results</p> | <p>Reports</p> <p>People of the Guana Peninsula: Monitoring, Mapping, and 3D Modeling Results</p> <p>People of the Guana Peninsula: Meeting Results</p> |
| <p>Multimedia</p> <p>People of the Guana Peninsula: Example StoryMap and Audio Tour</p> <p>People of the Guana Peninsula: Artifact card</p> <p>Snake Hook From Past to Present: Ecosystem Services and People of the Guana Peninsula</p> | |