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Quarterly Report

1 January 2010 to 31 March 2010

Central Regional Center
Florida Public Archaeology Network

University of South Florida
Department of Anthropology
in cooperation with the
Crystal River Preserve State Park
3266 Sailboat Avenue
Crystal River, Florida 34428
30 April 2010

Executive Summary

The January to March quarter saw an upswing out of the Winter Holidays and right into Florida Archaeology Month 2010! Our work effort during this quarter focused on Florida Archaeology Month events and continued our government and public outreach efforts. Spring is the time for historical reenactments in our region. Starting with the famous Dade Battle and the Brooksville Raid reenactments in January through the Nature Coast Civil War Reenactment and Second Seminole War Fort Cooper events in March, heritage outreach events draw large crowds. While the schools focus on the FCAT exams, we focused on community-based heritage events to spread the FPAN preservation message.

The CRC participated in the Public Archaeology Days events associated with the Society for Historical Archaeology meeting held on Amelia Island near Jacksonville in January. CRC staff also attended the FPAN Strategic Planning workshop in Pensacola in March. This quarter also saw a significantly greater demand from local governments, particularly law enforcement agencies, to employ the CRC's GPR equipment to help with various cases. This quarter we have assisted with the exhumation of two cold cases for the City of St. Petersburg Police and the search for a murder victim in the Ocala National Forest for the Marion County Sheriff's Office.

The third quarter events at the CRC saw a steady demand for CRC-sponsored events within our nine-county service area. Seventy-four events were held or attended: seven public/professional presentations were made, 12 public events were held, and 17 adult/youth training/workshops were offered, as well as a single volunteer program. The Center was able to reach over 20,000 people during this period. Most of this contact was related to attending events related to Florida Archaeology Month.

| Type of Activity | Number of Events | Number of Attendees |
|--|-------------------------|----------------------------|
| Public presentation | 6 | 141 |
| Public event | 12 | 18,978 |
| Professional presentation | 1 | 30 |
| Professional event – conferences | 1 | - |
| Adult training/workshops | 5 | 93 |
| Youth training/workshops | 12 | 562 |
| Radio/TV presentation/interview | 3 | - |
| Volunteer programs | 1 | 10 |
| Local government assistance | 7 | 94 |
| Meetings – government/school | 19 | 170 |
| Printed article – magazine/newspaper/journal | 1 | - |
| Electronic media – blog/podcast | 5 | - |
| Major Publication – Book, Chapter, Article | 1 | - |
| TOTAL | 74 | 20,078 |

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Rich Estabrook continues to push forward with the CRC's local government outreach and assistance to the Florida Division of Historical Resources. Rich is currently working on new and update Florida Master Site File forms for the Panasoffkee Cemetery, the Barr Hammock 1 and 2 sites, and the Sweetwater Hammock site. He is also working with the Citrus County Historical Resources Advisory Board (HRAB) to host a regional Certified Local Government (CLG) Workshop later this summer. We're hoping to invite Citrus County Commissioners and members of the historic preservation community, civic groups, and representatives of the development community to learn more about this program.

As chair of the FPAN Remote Sensing Committee, Rich continues training with the Ground Penetrating Radar (GPR), Global Positioning Systems (GPS), and Geographic Information Systems (GIS) hardware and software currently in use within FPAN. This quarter also saw a significantly greater demand from local governments, particularly law enforcement agencies, to employ the CRC's GPR equipment to help with various cases. This quarter we have assisted with the exhumation of two cold cases for the City of St. Petersburg Police and the search for a murder victim in the Ocala National Forest for the Marion County Sheriff's Office. Rich will continue to work with the Coordinating Center to establish training and use criteria for these technologies.

Nicole Tumbleson continues to develop and expand outreach programs that address both terrestrial and submerged cultural resources in Florida. Schools located in Alachua, Bradford, Citrus, Hernando, Lake, and Marion counties have all benefited from the integration of archaeology into the classroom. School outreach will be focus on expanding into Gilchrist and Levy counties in the next year so that all counties within the FPAN service area can be involved in archaeological education.

Activity Highlights



Dr. Ken Sassaman, Sandy Vardaman, Paulette McFadden, and Zack Gilmore testing the Sweetwater Hammock Site (8AL5516) near Gainesville, Florida.

Alachua Forever Properties – Sweetwater Branch

The CRC was contacted by the staff at the Alachua County Department of Environmental Protection (Alachua DEP) concerning some reports of archaeological site looting on several of the new properties they recently acquired. The Alachua Forever program is based on the Florida Forever program. Its goal is to purchase, restore and manage environmentally-sensitive lands within Alachua County. The CRC is working with Alachua Forever to record, protect, and interpret the archaeological and historical resources on three of their new properties: Turkey Creek Hammock, Barr Hammock, and Sweetwater Hammock. Sweetwater Hammock has had an extensive problem with site looting in the past, and a recent resurgence in illicit digging has concerned Alachua DEP staff.

On March 19, seven University of Florida students and Dr. Ken Sassaman assisted Rich Estabrook and Alachua DEP staff to document and protect the Sweetwater Hammock site (8AL5516) from further destruction. Twenty-four looter pits were mapped, surface collected, and elevation data was obtained. Each of the pits was located with sub-meter GPS equipment. The site boundaries were then established by shovel testing in cardinal directions. The next day many of the looter holes were backfilled by volunteers from a local church group. Once the rains come, the area will be replaced with native hardwood trees, which will make monitoring of any future looting events much easier.

GPR at the Safety Harbor site (8PI2)

On two consecutive Saturdays (27 February/6 March), the CRC assisted Dr Tom Pluckhahn's *Introduction to Archaeological Field Techniques* class by demonstrating and collecting two grids of GPR data from the famous Safety Harbor site (8PI2) in coastal Pinellas County. Students learned the principles of GPR and a little about GPR data collection before setting up their own grids and collecting the data. The first Saturday got rained out, and the best we could do was explain the equipment and talk about GPR data collection strategies. The second Saturday worked out to be a great weather day and the students were able to collect two grids from the area west and south of the main platform mound.

The Safety Harbor site is the reported main village of the Tocobaga Indians, the inhabitants of the western side of Old Tampa Bay at the time the Spanish arrived in the 1500s. After landing in the territory of the Calusa in 1567, Menendez was brought to Tampa Bay by Calos, the leader of the Calusa. Here Menendez established a garrison in an ill-fated attempt to discover a way to cross the Florida peninsula via an inland river route. These data have been processed and are being interpreted by the students.

Citrus County CLG Workshop

The CRC has been attending the Citrus County Historic Resource Advisory Board (HRAB) since 2006. As the board has not been able to attract a board member who is an archaeologist, the CRC tries to advise the HRAB on local archaeological issues. The Citrus County HRAB has been actively investigating whether or not to advise the Citrus County Board of County Commissioners to seek Certified Local Government (CLG) status. The County has historic preservation elements within its statutes and regulations, but is unsure about recommending the CLG program to the Commission. The CRC is working with members of the HRAB to set up a workshop that will provide the information necessary to allow the Board to make an informed recommendation.

The proposed CLG Workshop will take place in late August or early September 2010. Michael Zimney, the Florida Division of Historical Resources CLG Coordinator, is scheduled to be the key note speaker. Representatives of other local government CLGs have been asked to attend to talk about their experiences as part of the CLG program. We are inviting representatives of local civic associations, historical societies, builders associations, and the Citrus County Commission to attend.

Florida Archaeology Month Events

This year, the CRC held a full schedule of Florida Archaeology Month events partnering with many of the local history outreach programs to promote local heritage awareness. The Center attended the Homosassa Heritage Days, the Nature Coast Civil War Reenactment, and Fort Cooper Days. The highlight of the month's events was a presentation by Dr. Brent Weisman, Chair and Professor of Anthropology at USF on his

research on the Second Seminole War. Dr. Weisman's talk was held at the Silver River Museum and Education Center in Ocala to a standing-room only crowd. A museum open-house, tours, and outreach tables preceded the talk and were also well attended.



Scouts from Cub Scout Pack 439 from Bushnell, Florida enjoying a Sifting for Technology program at the Crystal River Archaeological State Park.

Camping with the Cub Scouts

Rich Estabrook visited a group of local cub scouts in January to teach them about archaeology. These kids, between the ages of six and ten, apparently caught the archaeology bug and wanted to learn more. The CRC set up a camping area for the scouts and their parents to spend the weekend at the CRPSP to learn about archaeology. Friday night, the kids and parents attended the *Moon Over the Mounds* tiki torch tour of the CRASP. The next morning the kids woke up and joined the Crystal River Boat Builders where they learned how historic boats were made and used and the scouts even practiced using some of the traditional tools to make wooden pegs. Then, kids and

parents were whisked back over to the CRASP to Sift for Technology. Everyone enjoyed the weekend's events and the scouts were very excited to see how archaeology and experimental archaeology (with the boat building program) can help archaeologists learn about past cultures.

Public Outreach

Public Lectures/Presentations/Tours

- *Moon Over the Mounds* presentations in January, February, and March in partnership with the Crystal River Archaeological State Park – over 275 attendees
- Two days of outreach as part of the *Dade Battle Reenactment* event – 4800 attendees
- *Ground Penetrating Radar as Public Outreach* public information event at the Society for Historical Archaeology Public Archaeology Day – 150 attendees
- *Blockade Running on Florida's Gulf Coast: A Submerged Heritage* presentation by Nicole Tumbleson at the Society for Historical Archaeology meetings in Jacksonville.
- *The Chick-Fil-A Outreach Event, Brooksville, Florida* presentation made as part of the *Brooksville Raid* event – 25 attendees
- *Brooksville Raid* reenactment event presentation for the Hernando County Historical Museum – 7,500 attendees
- Three days of public outreach at the *3rd Annual Gator Knap-in* at the Stephen Foster Folk State Park in Hamilton County – 500 attendees
- *Homosassa Heritage Days* at the Homosassa Springs State Park – 25 attendees
- *Historic Cemeteries in Sumter County* presentation made to the Sumter County Historical Society in Sumterville – 20 attendees
- *Blockade Running on Florida's Gulf Coast: A Submerged Heritage* presented by Nicole Tumbleson to the Old Hernando History Road Table - 30 attendees
- *Blockade Running on Florida's Gulf Coast: A Submerged Heritage* presented by Nicole Tumbleson to the Sea Pines Dive Club of Hudson - 40 attendees
- Nature Coast Civil War Reenactment and public history event – 4,600 attendees
- Fort Cooper Days, a Second Seminole War Battle Reenactment at the Fort Cooper State Park in Inverness – 1000 attendees

- The Second Seminole War 1835-1842, a presentation by Dr. Brent Weisman at the Silver River Museum and Education Center, Ocala – 103 attendees.
- *Florida's Certified Local Government (CLG) Program* presentation to the Citrus County Historical Resources Advisory Board.
- *The Archaeology of Citrus County* presented by Rich Estabrook to the First Baptist Church of Crystal River – 25 attendees
- *Florida's Maritime Archaeological Resources* presented by Nicole Tumbleson to the Central Ridge Library - 6 attendees

Workshops/Training

The CRC continues with a series of adult training workshops focused on Maritime Archaeology and Cemetery GPR. These programs also include volunteer programs that allow participants to practice some of the skills they have developed and demonstrate what they have learned to others.

Several presentations were made to local diving organizations, including:

- Sea Pines Dive Club presentation in Bayport – 40 attendees
- Maritime Archaeology for the UF Academic Dive program in Gainesville – 45 attendees.

The Traditional Boat Building program has been established at the CRPSP to help develop a growing appreciation for the area's maritime heritage. The program partner's with the Crystal River Boat Builders, a chapter of the Traditional Small Craft Association, a nationwide association of historic water craft builders and users. Work continues on the latest project - a 14-ft sharpie skiff, which will be used as both a water demonstration craft and a traveling display on historic boat-building techniques. The volunteer group meets every Wednesday and Saturday morning. The boat is being built with period tools, techniques, and materials within a specially-constructed demonstration exhibit across from the CRPSP and FPAN CRC offices.

The Cemetery GPR program is a partnership initiative with several of the other FPAN Centers to foster a local interest in historic cemeteries and genealogy into a public outreach program that would foster the recording, preservation, and sustainable maintenance of local historic cemeteries while providing group activities for local historical, archaeological, and genealogical groups and societies. Key to this program has been the incorporation of GPR and GIS technology and transforming it from a specialty-technology used only by experts into one in a series of approachable hands-on tools that can be used to evaluate, protect, and preserve historic cemeteries and other historic sites. The CRC continues to work with the FPAN Northeast Regional Center on several

cemeteries and other historic sites in the St Augustine area. This quarter the CRC continued investigations at the suspected Duval Family Cemetery in Floral City.

- GPR/GIS Outreach at the Duval Family Cemetery – 10 attendees
- Sumter County Historical Society Cemetery Recordation – 20 attendees

Dr. Erin Kimmerle, a forensic/biological anthropologist at USF, asked the CRC to assist with another cold case issue for the City of St. Petersburg Police Department. The City of St. Petersburg Police Department has several cold cases from the late 1970s and early '80s that have never been solved and the victims never identified. At that time, the police were burying their cold case victims in local cemeteries once the cases were no longer considered active. With new crime-fighting techniques like DNA sequencing, computer facial reconstructions, and nationwide databases, it might now be possible to identify the victims and even re-open some of the cases. The CRC conducted GPR investigations at two reported internment locations within the Pineview Cemetery in St Petersburg to confirm and pin-point the locations of the burials. The CRC also assisted in the recovery. The disinterred individuals are now being identified at the USF Forensics Laboratory in Tampa.

The GPR was also called into service for an on-going investigation involving the Marion County Sherriff's Office. The Sheriff's Office was conducting an investigation into the disappearance and possible murder of a young woman in the Ocala area. She was reportedly killed near Ocala and then buried somewhere in the Ocala National Forest. The CRC was contacted about assisting with the GPR portion of the investigation. CRC staff spent three days assisting the Sheriff's Office to recover key pieces of evidence in this case.

Additional training classes were held on stone tool analysis for the staff of the Silver River Museum and Environmental Education Center in Ocala. We also assisted Ranger Leroy Smith of the Crystal River Archaeological State Park conduct a Department of Environmental Protection Ranger Interpretation training workshop at the park.

Youth Events/Presentations

- *Learning About Archaeology through the Artifacts* outreach event at the Eastside Elementary School in Brooksville - 180 attendees
- *Sifting for Technology* presentation and site visit for Lake Christian School students in Citrus County – 15 attendees
- *Mapping for Archaeology* demonstration for the Introduction to Archaeology class at Bradford High School in Starke – 17 attendees
- GPR demonstration for the USF Forensic Anthropology class at Blackwater Hammock Park in Tampa. Conducted in cooperation with the

FBI and Erin Kimmerle with the USF Department of Anthropology - 40 attendees

- Judging for the Hernando County Science and Engineering Fair in Brooksville – 150 attendees
- *Shipwreck on a Tarp* outreach program for Liberty Middle School in Ocala – 45 attendees
- Boy Scout Troop 415 Archaeology Merit Badge for the Gulf Ridge chapter of the Boys Scouts of America - 8 attendees
- GPR at the Safety Harbor Site (8PI2) in St Petersburg – 34 attendees
- GPR Demonstration for R. Tykot's Archaeological Methods class – 15 attendees
- *Sifting for Technology* presentation and site visit for the Cub Scouts of Bushnell, Sumter County – 40 attendees
- *Sifting for Technology* presentation and site visit for Beacon College of Leesburg, Florida – 20 attendees

Aiding/Advising Local Governments

Citrus County

- Continued work with the Citrus County HRAB to expand the County's historic preservation ordinance. Rich Estabrook addressed the Board on 3 March the process involved in becoming a Certified Local Government, or CLG, in addition to updating the County's historic preservation ordinance. A CLG Workshop is planned for the summer of 2010.

Hernando County

- Hernando Past meetings in Brooksville, Hernando County in January, February, and March.
- Meeting with David Meash, owner of the Hope Hill site, a Second Seminole War homestead excavated several years ago by a group of USF graduate students, but never fully written up or published.

Sumter County

- Completed work in the FMSF form for the Panasoffkee Cemetery near Sumterville.
- Organized a cemetery workshop for the Sumter County Historical Society in order to get every known historic cemetery in the county recorded on the Florida Master Site File.

Alachua County

- Meeting with Alachua Forever staff and conducted a field investigation of the Barr Hammock property to evaluate two previously unrecorded archaeological sites.
- Meeting with Alachua Forever staff and conducted a field investigation of the Turkey Creek preserve property near LaCrosse, Florida.
- Field data recovery at 8AL5516 (Sweetwater Hammock site) to record the site, assess looter damage, and facilitate re-vegetation of the area. University of Florida professor Dr. Ken Sassaman and his students made this project possible.

In-House Volunteer and Internship Programs

Beverly (Bev) Elliott, the CRC's chief volunteer, continues to work on several CRC projects including the Sifting for Technology curation project, the curation of the artifacts recovered from the Bayport Underwater project, and the cleaning and analysis of the materials recovered from the Sweetwater hammock site (8AL5516).

The artifacts from the Sweetwater Hammock site are the materials surface collected from the vicinity of the looter holes and from the shovel tests that were conducted to determine the site boundaries. Bev is busy washing and processing all of the waste flakes and stone tool manufacture failures from the site. This analysis should be finished sometime in May.

Meetings/Outreach:

- Citrus County HRAB meeting in Lecanto, Florida on January 6.
- Hernando PAST Board meeting in Brooksville, Florida on January 12.
- Crystal River Boast Bash meeting in Crystal River on January 13.
- Citrus County HRAB meeting to discuss the County's CLS status on 14 January.
- City of St. Petersburg Cold Case GPR meeting in St Petersburg, Florida on 14 January.
- Meeting with the Director of FAMSI in Homosassa, Florida on January 20.
- GIS in Citrus Public Schools meeting with Rolf Alterman on January 26.
- Meeting with Hernando PAST and David Meash about the Hope Hill site near Brooksville on February 3.
- Earth Day Event at the CRPSP meeting on February 9.
- Hernando PAST Board meeting in Brooksville, Florida on February 9.
- CRPSP Summer Camp meeting on February 10.
- Meeting with Toni Collins of Cedar Key on February 24.

- Hernando Past Board meeting in Brooksville, Florida on March 9.
- Crystal River Boat Bash meeting in Crystal River on March 10.
- Attended the Alliance for Weeden Island Archaeology Research and Education (AWIARE) meeting at the Weedon Island Preserve Cultural Center in Pinellas County on March 11.
- Meeting with Rae Harper about the Teacher Training Workshop on March 23.
- Meeting with Henry Oxendine in Sumter County to discuss possible burials/looting on a county-owned property in Sumterville on 24 March.
- ANTCOMM committee meeting (USF) in Tampa on March 26.
- Meeting at the Marion County Historical Society on March 30.

Professional Events:

- Society for Historical Archaeology Conference (SHA) in Jacksonville, Florida on 1-5 January.
- FPAN Strategic Planning sessions in Pensacola, Florida 1-3 March.

Action Items

There are several activities that the CRC will attempt to complete in the final quarter of the 2009-2010 fiscal year. These include:

Local Government Outreach: Continued planning on the Citrus County CLG Workshop to be held later this summer. We hope to invite participants from surrounding counties to increase their participation in the preservation process.

Internship Opportunities: To continue to develop internship opportunities for Master's and Doctoral level students. In the future, this can be expanded to honors level undergraduates who are specifically interested in various aspects of Public Archaeology. The main differences between the doctoral, masters, and honors undergraduate offerings will be the scope and length of the projects. The projects offered to doctoral researchers will be longer in duration, wider in scope, and a good deal more flexible in topic. Master's projects will be more topic or task driven and can potentially serve to fulfill the internship option for the Department's applied program. The undergraduate honors offerings may be involved in parts or components within specific doctoral projects or specific aspects of other Center-based projects or programs.

Ecotourism outreach: Dive shops and ecotourism companies have been contacted about hosting FPAN presentations within Citrus, Hernando, Levy and Marion counties. Ecotourism company owners will be approached about creating a training seminar related to the local archaeology and history of the area for use in their tours. We intend to use our continuing relationship with A Crystal River Kayak Company, Inc. to expand the current offering of four different local heritage kayak tours and to begin training other tour operators about local prehistory and the preservation of local coastal resources.