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Quarterly Report

1 July to 30 September 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 October 2010

## Executive Summary

The July to September quarter saw the completion of our early summer events and the gearing-up for the Central Regional Center's (CRC) fall school year programs. Our work effort during this quarter focused on the Crystal River Historical Resources Advisory Board (HRAB) Certified Local Government (CLG) Workshop, additional work with the GPR at various historic cemeteries around central Florida, and our other government and public outreach efforts. With summer vacations comes summer camp, and we were fortunate this year to again partner with the Crystal River Preserve State Park (CRPSP) to offer two weeks of summer Kid's Camp for the 2<sup>nd</sup> – 5<sup>th</sup> graders. We completed our efforts with the USF summer field school in the beginning of the summer and continued with Dr. Ken Sassaman's prehistoric archaeology field school in July and August at Sweetwater Hammock in Alachua County and the Juniper Springs site in Lake County.

The CRC is pleased to announce that we have hired Jason Moser, a maritime archaeologist with loads of experience and lots of enthusiasm for public outreach. Jason has a BA in History and Ancient Studies and an MA in History from the University of Maryland Baltimore County. Prior to arriving in Florida Jason worked as a Public Archaeologist for five years for Anne Arundel County government. This project integrated the county's historical archaeology program into the social studies curriculum of the public and private school system. His photo is on the cover.

The first quarter events at the CRC saw a steady demand for CRC-sponsored events within our nine-county service area. Forty-one events were held or attended: three public presentation/events and two professional events/conferences were held, five local government assistance programs were programmed, and nine adult/youth training/workshops and a volunteer program were offered. The Center was able to reach over 576 people during this period.

<b>Type of Activity</b>	<b>Number of Events</b>	<b>Number of Attendees</b>
Public presentation	2	150
Public event	1	40
Professional presentation	-	-
Professional event – conferences	2	60
Adult training/workshops	3	26
Youth training/workshops	6	81
Radio/TV presentation/interview	-	-
Volunteer programs	1	10
Local government assistance	5	59
Meetings – government/school	21	150
Printed article – magazine/newspaper/journal	-	-
Electronic media – blog/podcast	5	-
Major Publication – Book, Chapter, Article	-	-
<b>TOTAL</b>	<b>46</b>	<b>576</b>

The July to September quarter saw the completion of the Central Regional Center's (CRC) early summer programs and a move into our fall programming. Our primary effort this quarter has focused on the hiring a new Outreach Coordinator. The Center is pleased to announce that Jason Moser has joined the CRC staff. Jason is a maritime archaeologist with loads of experience years of experience and lots of enthusiasm for public outreach. There is much more about Jason below.

Our work effort during this quarter focused on the Crystal River Historical Resources Advisory Board (HRAB) Certified Local Government (CLG) Workshop, additional work with the GPR at various historic cemeteries around central Florida, and our other government and public outreach efforts. With summer vacations comes summer camp, and we were fortunate this year to again partner with the Crystal River Preserve State Park (CRPSP) to offer two weeks of summer Kid's Camp for the 2<sup>nd</sup> – 5<sup>th</sup> graders. We completed our efforts with the USF summer field school in the beginning of the summer and continued with Dr. Ken Sassaman's prehistoric archaeology field school in July and August at Sweetwater Hammock in Alachua County and the Juniper Springs site in Lake County.

Rich Estabrook continues to push forward with the CRC's local government outreach and assistance to the Florida Division of Historical Resources (DHR). The CRC assisted the Citrus County Historic Resource Advisory Board (HRAB) host a Certified Local Government (CLG) workshop in Lecanto on September 23. We had over 40 participants. The County has historic preservation elements within its statutes and regulations, but was unsure about some of the various benefits and costs involved in the CLG program. The workshop was held to provide that information and answer questions about the CLG program.

Rich continues to work with County staff with the Alachua Forever program concerning looting issues at the Sweetwater Hammock site. University of Florida students from Dr. Ken Sassaman's Summer 2010 field school completed the boundary testing and looting evaluation in July. The eastern, southern and western site boundaries were determined to be located within the preserve boundaries.

The Ground Penetrating Radar (GPR) outreach program has been very popular with local historic groups and societies and extremely successful as a community outreach program. Jana Futch is now processing the collected data with the latest version of GPR Slice 7.0. Dean Goodman had to cancel the September GPR workshop, so Rich was unable to learn more tricks and tips in GPR, but Dean has promised to re-schedule the class for early next year. Because of the interest generated last year around the African-American cemetery in Panasoffkee, we have partnered with a several cemetery associations in Sumter County to help record and document their cemeteries and the towns that supported them. We have completed FMSF forms for five cemeteries and conducted preliminary GPR studies at three.

Jason Moser is the CRC's newest member. Jason is an archaeologist and historian with approximately 18 years of professional experience in the field of archaeology. Jason has

a BA in History and Ancient Studies and an MA in History from the University of Maryland Baltimore County. Throughout his career Jason has worked as an archaeologist for the U.S. Forest Service, National Park Service, the Maryland State Highway Administration, Anne Arundel County and a number of private CRM firms. In 2002 Jason and his wife, moved from Maryland to Florida so that he could pursue a PhD in Anthropology at Florida State University. Prior to arriving in Florida Jason worked as a Public Archaeologist for five years for Anne Arundel County government. In this capacity he supervised professionals, volunteers, and students in the excavation of seventeenth and eighteenth century sites. This project integrated the county's historical archaeology program into the social studies curriculum of the public and private school system.

Jason has maintained a strong research interest and focus on the historical archaeology of the Colonial Period. In addition to this interest he has an interest background in maritime and underwater archaeology. In Maryland, Jason served as volunteer SCUBA diver with the Maryland Maritime Archaeological Program and he has also worked with the Maritime Archaeological and Historical Society. Currently, he is finishing up the final chapters of his dissertation on the topic of shipyard archeology on the Lower Eastern Shore of the Chesapeake Bay. His other archaeological research interests include Geographic Information Systems applications in archaeology, industrial archaeology, prehistoric ceramics, maritime history, historic architecture, video editing, photography, 3D modeling and animation for public outreach. Jason currently lives in St. Petersburg. He and his wife Shannon had their first child last week.

### **Activity Highlights**

#### Sweetwater Branch Site Evaluation

The CRC was continues to work with the Alachua County Department of Environmental Protection (Alachua DEP) on the looting issues at the Sweetwater Hammock property in southeast Gainesville. On June 30 and July 1, 15 University of Florida students from Dr. Ken Sassaman's Summer 2010 field school worked with Rich Estabrook and Alachua DEP staff to complete the boundary testing and looting evaluation at the Sweetwater Hammock site (8AL5516). The eastern, southern and western site boundaries were determined to be located within the preserve boundaries. Each of the pits was located with sub-meter GPS equipment.

The students worked in two shifts. Half of the students came out the first day to excavate the shovel tests while the other group remained in the lab to process the artifacts. The lab group switched out in the field the next day while the first group cleaned and analyzed the artifacts that they had recovered the day before. The results of the investigations, update FMSF forms, and a brief report are still being completed.



UF Summer Field School students collecting GPR data at the Silver Glen Run site.

### GPR at the Silver Glen Run Site

The University of Florida 2010 Summer Field School under the direction of Dr. Ken Sassaman invited the CRC staff out to try-out the GPS equipment on the Silver Glen Run site in Lake County. Asa Randall focused the student's attention on a series of time slices across different portions of the site to try to determine where some of the buried shell lens might be located. A 20 by 30 meter grid was then collected in an area where test excavations were planned during the field school.

The CRC returned in August to collect additional GPR data from the area adjacent to a portion of the site in which several subsurface shell features were excavated to determine how far outside the excavated area the features extended. Four additional GPR grids were collected by the students and processed by the CRC. The results of this investigation will be presented at the Southeastern Archaeological Conference meeting in Lexington, Kentucky in October.



Michael Zimny speaking at the Citrus County Certified Local Government Workshop.

### Citrus County CLG Workshop

The CRC assisted the Citrus County Historic Resource Advisory Board (HRAB) host a Certified Local Government (CLG) workshop in Lecanto on September 23. The County has historic preservation elements within its statutes and regulations, but was unsure about some of the various benefits and costs involved in the CLG program. The CRC worked with members of the HRAB to set up this workshop to inform Board members, County Commission members, and the public about the CLG program. Ultimately, the HRAB would like to make an informed recommendation to the Citrus County Board of County Commissioners about this program.

Michael Zimny, the Florida Division of Historical Resources CLG Coordinator, was the key note presenter. Michael made two presentations: one on the CLG program and the other on how the CLG program is integrated into Federal, State and local preservation law. Dr. Brent Weisman introduced the session and provided a final wrap-up of the presentations. Representatives of other local government attended to talk about their experiences as part of the CLG program. We had 40 attendees including representatives of local civic associations, historical societies, real estate organizations, and even two candidates for the Citrus County Board of County Commissioners.



Boy Scouts from Troop 415 decorating atl-atls as part of their Archaeology merit badge.

### Boy Scout Atl-Atl Merit Badge Workshop

The Boy Scouts of Troop 415 in Crystal River completed their Archaeology merit badges during August. Each of the troop members had previously worked on the various requirements as outlined in the merit badge manual. This typically includes a visit to the Crystal River Archaeological State Park, a session with the Park's Sifting for Technology program, and a tour of the site and museum. Several of the scouts started their badges last spring during a camp-out visit to the park. Some of the boys could not make the camp out, so we finished their badges at a troop meeting.

One of the most popular activities during the merit badge workshop is the construction of each scout's individual atl-atl and dart. The CRC have made an arrangement with Bob Berg with Thunderbird Atlatl to provide atl-atl kits at a reduced price for the scouts. Each comes with the atl-atl and dart rough finished. Participating scouts finish and decorate an atl-atl and dart and then learn the art of safely throwing their darts. That's when the competition begins! Prizes were awarded for the most accurate shot, the best shot, and hitting a moving target.



Volunteers collecting GPR data at the Jupiter Inlet Mound Complex in Pam Beach.

### Jupiter Inlet / DuBois Park GPR

The Center staff packed up the GPR and headed down to Ft. Lauderdale for a couple of days of GPR fun at the Jupiter Inlet 1 site (8PB34) in DuBois Park. Under the direction of Dr. Xavier Comas and Greg Mount, we were able to collect three fairly large data grids from various areas with the park. Assisting us in the field were Chris Davenport, the county archaeologist, and volunteers Rachel Canfield, Katie Corcoran, Katharine Smith, and Jillian Krickovich. Everyone had a chance to push the GPR around and help collect the 3D data files. A couple of neat anomalies showed up during the data collection – enough to keep everyone interested and excited about what we were finding.

A short report on the preliminary findings was prepared in October, but a second round of data collection is scheduled for later this fall. The initial data indicates that the main mound was constructed in several building episodes. The outlying areas contain shell lenses and a possible circular shell feature that warrants further investigation. It sounds like we need to collect more data!

## Public Outreach

### Public Lectures/Presentations/Tours

- *Moon Over the Mounds Tour* presented on September 24 at the CRASP - 50 attendees
- *The Archaeology of Florida and Atl-Atls* presented to the Citrus County Summer Camp program at the Pleasant Grove Elementary School – 100 attendees

### Workshops/Training

The CRC continues with a series of adult training workshops focused on Ground Penetrating Radar and historic cemetery preservation. 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 historical societies and FAS Chapters, including:

- Ancient Ones FAS Chapter GPR Workshop in Ocala – 8 attendees
- GPR Investigation at the Jupiter Inlet site at DuBouis Park in Palm Beach – 12 attendees

The Traditional Boat Building program was established at the CRPSP to help foster a growing appreciation for the area's maritime heritage. The program is run by the CRBB, a chapter of the Traditional Small Craft Association, a nationwide association of historic water craft builders and users. Work has been completed on the 9-ft dingy rowboat and work has started on a larger rowing skiff. Plans have been finalized and fund-raising is underway for a 1850s Scow to be built at the Park headquarters. The CRBB members meet every Wednesday and Saturday morning. These boats are 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 GPS 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 is working with the Board of Trustees with three African-American cemeteries in Sumter County to help document and record these resources. The Center

continues to assist Hernando PAST record and evaluate the historic cemeteries in Hernando County.

- GPR Workshop at the Hillcrest Cemetery – 8 attendees
- GPS Cemetery evaluation of the Olive Avenue Cemetery in Brooksville, Hernando County – 5 attendees

Dr. Erin Kimmerle, a forensic/biological anthropologist at USF, asked the CRC to assist with several cases for the District Six Medical Examiner's Office (Pasco/Pinellas). The Medical Examiner's Office has several unidentified victims "John Does" from the late 1970s and early '80s involving cases that have never been solved and victims that have never been identified. At that time, the police were burying their unidentified 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 three reported internment locations, one in the Royal Palm Cemetery in St Petersburg and two additional cases in the historic Tucker Family Cemetery near Dade City. The CRC also assisted in the recovery of the one of the Joe Doe cases in the Tucker Cemetery. The casket of the second individual could not be positively identified even after partial excavation of casket.

We returned to the Tucker Family Cemetery to conduct a more intensive survey of the reported cold case burial area. We were able to identify the entire row of graves and better determine which grave was the person of interest. On August 20, we returned with the USF Forensics students and FPAN volunteers Stephanie, Zack, and Brittni, and recovered the body in question. The disinterred individual is now being examined at the USF Forensics Laboratory in Tampa.

#### Youth Events/Presentations

- Atl-atl Antics outreach event at the Crystal River Archaeological State Park - 12 attendees
- Presentation to the Citrus County Summer Camps at the Pleasant Grove Elementary School for the Citrus County Summer School Program – 100 attendees
- UF Summer Field School, additional testing at Sweetwater Hammock site in Alachua County (two days) – 20 attendees
- Boy Scout Troop 415 Archaeology Merit Badge (Brooksville) for the Gulf Ridge chapter of the Boys Scouts of America - 14 attendees
- GPR in the Tucker Cemetery for the District Six Medical Examiner's Office (in cooperation with Dr. Erin Kimmerle) – 15 attendees

- Cold Case Exhumation at the Tucker Cemetery near for the District Six Medical Examiner's Office (in cooperation with Dr. Erin Kimmerle) – 15 attendees
- UF Summer Field School GPR at the Juniper Springs Site (8LA1) in Lake County (2 days) – 30 attendees

### Aiding/Advising Local Governments

#### Citrus County

- Meet with the Board of Trustees of the Red Level Cemetery to discuss the proposed limerock mine.
- Attended the Citrus County HRABs meeting on July 14 and September 1.
- Field review of the historic Red Level Cemetery. The area around this cemetery is slated for development as a limerock mine.
- Attended a Special Citrus County HRAB meeting about the Red Level Cemetery and the proposed limerock mine on September 18.

#### Hernando County

- Hernando Past meetings in Brooksville, Hernando County in July and August.
- City of Brooksville/Hernando County Museum meeting for a possible GPR investigation of the Olive Avenue Cemetery.

#### Sumter County

- Meeting with the representatives of the Boards of the Hillcrest, Royal, and Wildwood cemeteries to discuss possible GPR investigations.
- GPR survey of the Hillcrest Cemetery in Coleman to determine the locations of historic graves within the cemetery.

#### Alachua County

- Two days of site boundary delineation at 8AL5516 (Sweetwater Hammock site) to deal with looting at this site. 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 and the cleaning and analysis of the materials recovered from the Sweetwater Hammock site (8AL5516).

Bev continues to work on the cataloging of the artifacts and faunal remains that have been recovered from the *Shifting for Technology* program. Bev took some time off this summer to tour the archaeological sites of the Mediterranean and Egypt. FPAN swag was finally being handed-out at the Acropolis!

Meetings/Outreach:

- AWIARE Board meeting at the Weedon Island Preserve Cultural and Environmental Center in St Petersburg on September 9.
- Meeting with Brent Weisman on July 21 at the CRPSP.
- Florida Archaeology Month meeting in Tallahassee with FDHR on September 15.
- Meeting with Robert Tykot, Ph.D. at USF on August 10.
- Meeting with Citrus County School Representatives on July 16.
- Meeting Tom Pluckhahn, Ph.D at the CRPSP to discuss a National Science Foundation grant on September 24.
- Meeting with Sophia Diaz-Fonseca (Citrus County HRAB) to plan the CLG Workshop on July 23.
- Meeting with the Board of Trustees of the Red Level Cemetery on July 28.
- Meeting with Sarah Miller and Amber Weiss in New Smyrna Beach to discuss the results of the GPR studies.
- Meeting with Herb Elliott in Spring Hill to discuss the transfer of artifacts from site 8PA596 to the Florida Division of Historical Resources.
- Meeting at the CRPSP about the upcoming Halloween event in October.
- Meeting with Sophia Diaz-Fonseca (Citrus County HRAB) to plan the CLG Workshop on September 7.
- Meeting with the ADM Exhibits and Display staff to discuss changes to the FPAN Maritime Archaeology and Sifting for Technology outreach carts on August 30.
- Meeting with Adeline Latopolski about the return of photographs/slides from her father's field work in Florida during the 1970s on July 15.
- Florida Anthropological Society Board Meeting in Jonesville, Florida on August 21.

Professional Events:

- FPAN/DHR meetings in Tallahassee on September 28-29.

**Action Items**

There are several activities that the CRC will attempt to complete in the second quarter of the 2010-2011 fiscal year. These include:

Great Sites of Florida Lecture Series

The CRC will develop a Great Sites of Florida lecture series. These talks will use the images available from *Pictures of Record*, the Florida Museum of Natural History, the Florida Division of Historical Resources, and others. Each talk will concentrate on the unique history of the archaeological work conducted at each site. It will also focus on the contribution that each site has made to our understanding of Florida's history and archaeology. The talks will be developed for a non-technical audience and will be scripted in such a way as to minimize jargon and archaeological/environmental terms and phrases that often confuse, rather than clarify an issue. We would like to have the archaeologist of record give these talks, but when that is not possible, an FPAN staff person would be asked to present from a prepared set of speaker's notes. The intent will be to entertain as well as inform.

Local Government Outreach: Continued work with the Citrus County HRAB to follow up on the September 23 CLG Workshop. The Sumter County Historical Society has contacted the Center about working with them on the development of a preservation ordinance for Sumter County.

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.