



Progress Report

Project Title: Southeast Coastal Ocean Observing Regional Association (SECOORA):
Implementation of the Infrastructure Investments and Jobs Act

Award number: #NA23NOS0120081

Period of Activity: 6/1/2023 – 11/30/2023

Progress Report Submission Date: 12/13/2023

Principal Investigator(s): Debra Hernandez, SECOORA Executive Director

Progress and Accomplishments:

Year 1 progress and accomplishments are listed by Topic 1 and Topic 2 in the below tables. High-level milestones/deliverables, accomplishments and any issues are included for each project. Status of each project is reported as “not started”, “in-progress”, “not on schedule” or “complete” as required by the IOOS Performance Reporting Guidance for BIL Awards. If a specific milestone is delayed, a justification for the delay and description of activities employed or to be employed to mitigate the delay are provided.

NEPA SACs are complete for the following Topic 1 activities:

- East Coast Florida Buoy Deployments
- Ocean Acidification Sensor Deployment in the Florida Keys.

NEPA SAC for Topic 2 activities:

- Surface Elevation Table (SET) locations - 16 SET locations will be identified as part of the gap analysis objective for this project. The gap analysis has begun; however, we do not anticipate identifying SET locations until Year 2. This NEPA SAC should be addressed in Year 2 once the gap analysis is complete.

Project and Task(s)	Status
TOPIC 1: To support improved and enhanced coastal, ocean, and Great Lakes observing systems	
Goal A: Invest in new observing infrastructure for the Southeast	
Water Level Network	

<p>Coastal Carolina University (CCU, Lead PI Paul Gayes) and partner Florida Atlantic University (FAU) have installed and are operating water level stations in South Carolina (SC) and Florida (FL). The NEPA review for these stations has been conducted under award NA21NOS0120097 by the IOOS program office and documentation on each site is found here on the CCU-FAU tab: https://docs.google.com/spreadsheets/d/10KN3sdkzaUR-Kf_TbC-YI0d1mcCqWH6pvWowcQVbB8o/edit?usp=sharing.</p> <p>The project team goal is to install 15 water level stations during Year 1. The project team has installed 9 stations during the previous reporting period and 5 stations this reporting period in the following locations:</p> <ul style="list-style-type: none"> • Matanzas River, St. Augustine FL • Ribault River Reserve, Jacksonville, FL • Horry County-Enterprise Landing, SC • Horry County, Church Landing @ Sandy Bluff, SC • St. Phillips Island-SC Parks and Recreation dock <p>SECOORA worked with CCU and FAU to identify sensors that required higher accuracy vertical elevation surveys. SECOORA hired McKim & Creed to survey 8 water level sensors in SC and 15 water level stations in FL. These stations are all in locations where threshold elevations are needed to support flooding alerts.</p> <p>List of all CCU/FAU water level stations is found here: https://portal.secoora.org/#metadata/150/sensor_source. FAU is the data management team for this project. FAU shares data with SECOORA from all sensors that are deployed in SC and FL, even those not funded by SECOORA.</p>	<p>In Progress</p>
<p>Florida International University (FIU, lead PI Tiffany Troxler) operates seven water level sensors in south Florida. The NEPA review for these stations has been conducted under award NA21NOS0120097 by the IOOS program office and documentation on each site is found here on the FIU tab: https://docs.google.com/spreadsheets/d/10KN3sdkzaUR-Kf_TbC-YI0d1mcCqWH6pvWowcQVbB8o/edit?usp=sharing.</p> <p>Accomplishments by objective are as follows:</p> <ul style="list-style-type: none"> • Maintain 7 In Situ pressure transducer water level sensors and send data to the SECOORA data portal. Data are available here: https://portal.secoora.org/#metadata/2212/sensor_source <ul style="list-style-type: none"> ○ The sensor at Ramrod Key failed as of 8/17/2023. The project team has not been out to service the site but plans to do so during the next reporting period. 	<p>In Progress</p>

<p>Success Story: The Miami Herald story on King Tides in South Florida highlights the FIU team in a video and in the article. https://www.miamiherald.com/news/local/environment/climate-change/article281345538.html</p>	
<p>Ocean Acidification Monitoring</p>	
<p>Mote Marine Laboratory (MML, Lead PI Emily Hall) will deploy an OA mooring in Looe Key, within the Florida Keys National Marine Sanctuary (FKNMS), that will produce directly measured climate-quality pH and other carbonate chemistry data products. The MML team will use the data to establish a unique time series of seafloor OA for the lower Florida Keys. This data will also support the Southeast Coastal and Ocean Acidification Network (SOCAN) objective for OA monitoring in the FL Keys.</p> <p>Accomplishments by objective are as follows:</p> <ul style="list-style-type: none"> • Conduct site selection, submit environmental compliance documents to IOOS and apply for required permits. <ul style="list-style-type: none"> ○ The NOAA IOOS office provided the NEPA Specific Award Condition Release/Record of Environmental Consideration on 04/24/23. ○ The USACE permit application for the OA sensor deployment was submitted to the Keys Permit Section on 5/2/23 and the permit was sent back to SECOORA for signature on 10/10/23. There was one issue with the permit conditions which required adjacent property owners to sign and notarize the permit. The work will be conducted in the FKNMS, in federal waters; therefore, there is no adjacent property owner. The USACE Florida Keys office is now revising the permit to remove the condition. We anticipate the permit to be executed during the next reporting period. • SeapHOx sensor will be calibrated and conditioned in a seawater tank at MML facilities. <ul style="list-style-type: none"> ○ The SeapHOx was purchased from SeaBird in Sept 2023. Anticipated delivery is mid-Jan to mid-Feb 2024. Currently, SeaBird does not have a shipment date for the new sensor. ○ Once received, the calibration process can begin. ○ The trawl resistant seafloor mooring, in which the SeapHOx will be deployed, was purchased and received by MML. 	<p>In Progress</p>
<p>Florida Buoy Deployments</p>	
<p>The University of North Carolina Wilmington (UNCW)/Florida Atlantic University (FAU) team have deployed and are maintaining three buoys off the east coast of FL. Two met/ocean buoys and one Spotter wave buoy.</p>	<p>In Progress</p>

Accomplishments by objective are as follows:

- Procure buoys, sensors, equipment, supplies
 - All met sensors, SeaBird 37 CTDs, Campbell CR1000x dataloggers, Metocean Hecto Iridium modems and all peripheral wiring, enclosures, antennas, power system components, and other accessories have been ordered and received.
 - Two new MSI G-2000 buoys were received.
- Permitting – complete (see previous progress report)
- FAU training on buoys system operations
 - FAU personnel received hands on training on buoy assembly, deck operations, and deployment during the 9/26-9/27 R/V Hogarth deployment cruise.
 - Mason Thackston (FAU grad student) will be the lead for the FAU buoy maintenance team. His duties will involve coordinating boat operations and fieldwork trips to the buoy sites for maintenance and troubleshooting. This is a valuable graduate student opportunity supported by this award.
- Buoy deployments
 - UNCW transported buoys to FAU Harbor Branch Oceanographic Institute on 9/21/23 and assembled on 9/22/23.
 - Buoy systems were loaded onto the RV Hogarth on 9/25, with deployment of the Fort Pierce ([FTP](#)) buoy on 9/26; and deployment of Ponce de Leon ([PNC](#)) buoy and [PNCWAVE](#) on 9/27. Note that PNCWAVE is co-located with PNC. FTP is located near CDIP wave buoy (buoy #134), allowing for more robust data collection efforts between the two coastal observing system programs.
- Publication of buoy data/data management
 - Data from the three buoys are flowing to SECOORA and to NDBC via SECOORA ERDDAP services.
 - UNCW QARTOD checks are in place for all buoys sensors and project team members review daily QARTOD metrics.
- Uptime stats from 9/27/23 - 11/30/23

	FTP	PNC & PNCWAVE
Air Temperature	100%	100%
Air Pressure	100%	100%
Wind speed, gust, direction	100%	100%
Surface (1 m) salinity	100%	100%
Surface (1 m) water temperature	83%	93%
Waves	N/A	99%

<p>News/Media FAU Research Daily web publication on 10/30/23: https://www.fau.edu/research/fau-research-daily/2023/new-offshore-research-buoys/ Volusia Hometown News: https://www.hometownnewsvolusia.com/news/buoy-will-observe-when-surfs-up-off-volusiacoast/article_39880cba-66c6-11ee-8955-572ec8c0eeb2.html</p>	
<p>Goal B: Reinvestment in existing observing infrastructure for the Southeast</p>	
<p>High Frequency Radar (HFR) Reinvestment</p>	
<p>ECU Coastal Studies Institute (CSI) – SECOORA purchased a 5 MHz long-range CODAR to replace the aging HFR systems operated by CSI. The new system was delivered on 5/5/23. The new CODAR equipment was placed at multiple HFR installations (JENN, OCRA, HATY) to swap out failing or broken pieces of equipment.</p>	<p>Complete 5/31/23</p>
<p>University of South Florida (USF) –SECOORA purchased spare CODAR equipment for the USF HFR program (Lead PI, Cliff Merz). Specific items purchased were for 5 MHz CODAR systems and included: one SeaSonde Receiver, Transmit Antenna cable, Dome Antenna, and CODAR services to assist with integration of equipment into the existing HFR systems. These items were required to improve operation of aging HFR infrastructure. The equipment was ordered on 6/8/23, received by USF on 10/31/23, and each of the items were installed at existing HFR stations by 11/30/23.</p>	<p>Complete 11/30/23</p>
<p>Buoy Reinvestment</p>	
<p>SECOORA issued a subaward to USF to purchase a replacement science equipment for deployment on USF real-time buoys. The USF buoy team purchased a new YSI XO2 multiparameter water quality sonde. The sonde was ordered in June 2023 and received in 9/18/23.</p>	<p>Complete 9/18/23</p>
<p>TOPIC 2: To enhance associated sharing and integration of Federal and non-Federal data to inform the most pressing regional coastal and ocean management challenges</p>	
<p>Goal A: Data and product development to support high priority regional management issues</p>	
<p>Improve access to regional ecological data to help inform offshore ocean use decisions through stakeholder engagement and mapping tool refinement</p>	
<p>Proposed offshore projects such as wind energy sites or sand dredging have</p>	<p>In Progress</p>

the potential to impact marine species and habitats across the South Atlantic (NC, SC, GA, FL). To sustain the region's rich marine diversity, it is important that the siting, construction, and operation of offshore development is done with the environment in mind. The Nature Conservancy (TNC, lead PI Mary Conley) is working with partners to further develop and refine the [Southeast Marine Mapping Tool](#).

Accomplishments by objective are as follows:

- Engage Stakeholders
 - The project steering committee meet on 10/4/23 and discussed management and human-use information required for the mapping tool and reviewed the communication and engagement plan.
 - The steering committee discussed data visualization needs for existing management actions (e.g., fisheries) and use (e.g., shipping, sand dredging) cases for the tool within selected ocean areas. Military activities in SE waters are another use area of interest, but there is limited accessible information to incorporate into the marine mapper.
 - The committee continued discussion of a broader outreach plan and provided initial input based on the following questions: (a) Who should we focus our outreach towards?, (b) What are the best ways to reach identified audiences?, and (c) What resources would be useful?
- Enhance the Online Tool
 - The technical team is enhancing the online tool based on a prioritized list of requirements identified by the steering committee. The team is initially focused on updating the people section of the online tool with a shift toward human uses and management needs.
 - During the 10/4/23 meeting, the following tool updates were discussed: (a) further highlighting essential fish habitat (EFH) and habitat areas of particular concern (HAPCs), and their implications, (b) refining how shipping information is visualized, and (c) incorporating data on other uses (e.g. cables, sand extraction).
 - Breaking out information within the shipping data was also proposed to highlight the relative scale of different shipping types (e.g., cargo, fishing, passenger) within a spatial area.
 - TNC performs regular maintenance on the tool which is supported by this project. During the reporting period, maintenance activities included: updating the public path for Amplify build, switching to AGOL table query from AWS RDS

<p>MySQL, GP edits – fixing coordinate pairs that were being tacked onto GeoJSON, and fixing the shapefile upload.</p> <ul style="list-style-type: none"> • Connect to related online resources: <ul style="list-style-type: none"> ○ To facilitate connection to existing online resources, staff leads for the Marine Cadastre and SAFMC Habitat Dashboard were asked to join project team steering committee. ○ A call was held with the SAFMC Habitat Dashboard technical lead (Tina Udouj, Florida Fish and Wildlife Commission) to establish secure access to the current SAFMC data sets, discuss visualization of the data, and maintain coordination throughout the project. 	
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Expansion of water level monitoring in underserved communities

<p>SECOORA is supporting the installation and long-term operation of new water level stations in the Southeast. The network will provide real-time local water level data to town managers, emergency managers, design engineers, and the public. This data is vital for monitoring coastal flooding and keeping citizens informed of hazardous conditions. This network will enable localized flooding alerts and improve community resilience. SECOORA is working with Sea Grant agencies in each state to help identify locations in underserved communities where water level data is key to community resilience.</p> <p>Accomplishments by Objective are as follows:</p> <ul style="list-style-type: none"> • Select 10 locations for water level sensor installation. <ul style="list-style-type: none"> ○ The four southeast Sea Grants, funded through SECOORA 2021-2026 IOOS Year 2 Supplemental Regional Ocean Data Sharing funds, are working with communities to determine water level data needs. Based on Sea Grant recommendations, the following 8 sites have been identified for water level sensor installation: <ul style="list-style-type: none"> ■ Belhaven, NC (installation planned for Feb 2024) ■ Chocowinity, NC (installation planned for Feb 2024) ■ Love Grove community in Wilmington, NC (under review) ■ Rebault River Reserve, Jacksonville, FL (installed Oct 2024) ■ New Heights School, Fort Walton Beach, FL (installation planned for Dec 2023) ■ Niceville, FL (installation planned for Dec 2023) ■ Two locations Williamsburg County, SC along the Black River (under review, will require SC DOT permitting if bridge sites are chosen) 	
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<ul style="list-style-type: none"> ○ NEPA Compliance: Locations with planned installations have been added to the following worksheet and final checks in ERMA are noted. https://docs.google.com/spreadsheets/d/10KN3sdkzaUR-Kf_TbC-YI0d1mcCqWH6pvWowcQVbB8o/edit?usp=sharing ○ Locations under review are not added to the worksheet until exact sites with GPS coordinates are identified. ● Install and survey 5 water level stations in underserved communities. <ul style="list-style-type: none"> ○ Only one site has been installed during Year 1; however, 4 sites are scheduled for installation during the next reporting period. The Rebuilt River Reserve, Jacksonville, FL site was installed on 10/8/23 by CCU/FAU. This is an urban underserved community within Duval County. 	
<p>Increase the visibility of regional ocean data sharing activities with a Regional Ocean Data Sharing Web Presence</p>	
<p>Delayed: SECOORA is in the process of redoing our website. Once the new website is launched (delayed until early 2024), we will create the Regional Ocean Data Sharing webpage to organize project information and provide updates on project status.</p>	<p>Not started</p>
<p>Goal B: Establishment of Communities of Practice to address regional ocean data sharing needs in the southeast</p>	
<p>Surface Elevation Tables (SETs)</p>	
<p>Heather McCarthy served as the SET Coordinator but stepped down as of 5/31/23 to be the full time SCDRP Executive Director. SECOORA posted an opening for a SET Coordinator on 06/12/23. SECOORA issued a subaward to Jacksonville University PI Dr. Nisse Goldberg, on 10/1/23 to lead the SET project.</p> <p>Accomplishments by objective are as follows:</p> <ul style="list-style-type: none"> ● Comprehensive regional SET inventory <ul style="list-style-type: none"> ○ Heather McCarthy shared the spreadsheets and information collected during the previous reporting period with Dr. Goldberg. Dr. Goldberg has been adding to the list of active SETs in the SE region. To date 314 SET locations have been identified located in NC, SC, GA, and FL. These SETs are affiliated with NWR, USGS, USFWS, NPS, and university researchers. ● Gap analysis <ul style="list-style-type: none"> ○ Since Dr. Goldberg did not take on the SET Coordinator role until October, this objective has not begun. Dr. Goldberg has focused 	<p>In Progress</p>

<p>on the SET inventory and establishing a Community of Practice as a starting point for this project.</p> <ul style="list-style-type: none"> • Community of Practice (CoP) <ul style="list-style-type: none"> ○ The Southeast SET CoP efforts are focused on sharing best practices and creating new knowledge around the data and its applications. Groundwork for the CoP began several years ago in NC through NC Sea Grant efforts; however, Dr. Goldberg is expanding the NC CoP throughout the SE. To date, the following are interested in the collaboration and coordination that a CoP will bring to the SE: <ul style="list-style-type: none"> ▪ Cayla Cothron, NC Sea Grant and lead, North Carolina SET CoP ▪ Michelle Moorman and Jeremy Conrad, US Fish and Wildlife Services ▪ Michael Osland, US Geological Survey ▪ Chef Vervaeke, National Park Service ▪ James Morris, NOAA NCCOS ▪ Nikki Dix, Guana Tolomato Matanzas National Estuarine Research Reserve ▪ Jason Garwood, FL Department of Environmental Protection ▪ Marcelo Arden, North Carolina State University ▪ Lori Sutter, UNCW • Develop SET website content <ul style="list-style-type: none"> ○ The above individuals and other SET practitioners are providing input on website content needs and data sharing requirements. ○ During the next reporting period, a meeting is scheduled with a data visualization team to discuss options for visualizing SET data. 	
Support and expand the existing Drone Community of Practice (CoP)	
<p>Uncrewed Aircraft Systems (UAS), or drones, are a rapidly growing component of research, assessment, and monitoring of coastal regions within the U.S. Southeast. The Drones in the Coastal Zone (DITCZ) CoP shares knowledge and best practices related to the use of drone technologies to support coastal research.</p> <p>Accomplishments by objective are as follows:</p> <ul style="list-style-type: none"> • Develop the Drones in the Coastal Zone CoP webpage with links to projects, resources, latest news, and past and future workshop materials. The webpage will be hosted on the SECOORA website. <ul style="list-style-type: none"> ○ (Slightly) Delayed: SECOORA is in the process of redoing our 	In Progress

<p>website. Once the new website is launched (expected Dec. 18 2023), access to the new CoP webpage, which organizes project information and provide updates on CoP activities will be live.</p> <ul style="list-style-type: none"> • Work with DITCZ CoP, Duke University and NOAA NCCOS Beaufort Lab to host a 2-day regional workshop to advance the understanding of applications of drone data to key coastal and ocean management issues. <ul style="list-style-type: none"> ○ The Workshop Steering Committee is planning an in-person workshop Feb 6-8, 2024 at the NOAA NCCOS Beaufort Lab, Beaufort, NC. ○ Currently, 58 people have registered for the event, representing agencies and academic institutions across the SE. • Host a Request for Proposals (RFP) opportunity for 6 people to attend a 3-part UAS executive education course offered by the Nicholas School of the Environment at Duke University. <ul style="list-style-type: none"> ○ SECOORA hosted an RFP to sponsor candidates from the Southeast region to attend the UAS executive education courses offered by the Nicholas School of the Environment at Duke University. There were 17 applicants to the RFP. Since the 3 courses span Year 1 and Year 2 of this award, SECOORA and Duke selected 12 applicants to participate in the course instead of 6 annually (i.e., 6 in Year 1 and 6 in Year 2). You can learn about the 12 individuals that were selected to attend here: https://secoora.org/meet-the-winners-of-the-2023-drone-course-request-for-proposals/. Additionally, in collaboration with CARICOOS, two participants from Puerto Rico are also in this cohort of Drone students. • Drones in the Coastal Zone (DITCZ) CoP calls: <ul style="list-style-type: none"> ○ 8/7/23 (42 participants): Matt Pickett, NOAA, presented “Uncrewed Tech of Ocean Protection: How commercial drones are being utilized for coastal and marine environmental research and monitoring.” and Erik Smith, North Inlet-Winyah Bay NERR presented “Incorporating drones in long-term saltmarsh monitoring: mapping biomass and vegetation cover at high temporal and spatial scales.” 	
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Goal C: Support resilience planning in the southeast through the Southeast & Caribbean Disaster Resilience Partnership

The Southeast and Caribbean Disaster Resilience Partnership (SCDRP)

<p>The SCDRP seeks to strengthen community resilience and support rapid recovery from storms and disasters by serving as the primary network for professionals in emergency management, climate adaptation, and disaster recovery in the US Southeast and Caribbean territories. Organized to coordinate regional disaster recovery and resilience planning, the SCDRP has emerged as a convening forum for professionals who are committed to building capacity and sharing their expertise to advance community resilience. Heather McCarthy is the Executive Director of the SCDRP.</p> <p>Accomplishments by objective are as follows:</p> <ul style="list-style-type: none"> • Provide salary support for the SCDRP Executive Director and support travel for the Executive Director and Program Coordinator to meet with partners. <ul style="list-style-type: none"> ○ The SCDRP Executive Director hosted and facilitated monthly partnership meetings. Meeting recordings are available here: https://www.youtube.com/playlist?list=PLN1Eo26yGEtC8u8bOQ-PazldbyfjWMK8Yi. Monthly meetings and speakers are as follows: <ul style="list-style-type: none"> ▪ 6/22/23 - Tasha Allen and Matt Pendleton from NOAA Office of Coastal Management presented “Diving into the Digital Coast”. ▪ 7/27/23 - Katherine Smith, Southeast Climate Adaption Science Center and Steph Courtney from the United States and Easter Tribes presented on “Tribal Climate Adaptation Priorities and Opportunities in the Southeast”. ▪ 8/24/2023 - Keisha Long, SC Department of Health and Environmental Control, and Dr. Daniel Kilpatrick, University of South Carolina Arnold School of Public Health, presented on “Applying Disaster Risk Reduction at the Local Level for Vulnerable Communities”. ▪ 9/21/2023 - Hollie Schmidt, Russell Koff, Mike Matichich, Matt Chiller, and Jim Lew from Jacobs Advisory Solution, gave a comprehensive overview of “Climate Response and Resilience Funding & Financing”. ▪ 10/26/2023 - Alex Butler, SC Office of Resilience, and Kim Waddell, University of the Virgin Islands, provided updates on the momentous resilience efforts occurring in South Carolina and the U.S. Virgin Islands. ▪ 11/16/2023 - Raquel Fernandez, the Florida & Puerto Rico Field Manager for The Sierra Club, presented on “Cultural and Language Equity in the Environmental Justice Movement”. 	<p>In Progress</p>
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- The SCDRP is working to expand and diversify its membership.
 - The Partnership Committee met monthly to identify and reach out to new potential members and future speakers for Monthly Partnership Meetings.
 - The Executive Director met virtually with potential partners including University of South Florida, University of Puerto Rico, NOAA's Caribbean Climate Adaptation Network (CCAN), Hamilton Advisors, Moffat & Nichol Miami, Flood Mitigation Solutions, Savannah RiverKeeper, Sapelo Island National Estuarine Research Reserve, Institute for Building and Housing Safety, US Virgin Islands Office of Coastal Management, EJ (Environmental Justice) Strong, Institute for Building and Technology Safety, Smart Home America, Georgia Sea Grant, Gullah Geechee Cultural Heritage Corridor NHA, Jacobs Solutions, Civic Spark AmeriCorps, Diversity of Thought Inc, Tetra Tech, USDA Southeast Climate Hub.
- The SCDRP offers resources and educational opportunities to members and communities.
 - 34 e-newsletters mailed to ~ 550 SCDRP listserv participants containing information on upcoming webinars, seminars, workshops, training sessions, funding opportunities, job opportunities, and relevant policy and SCDRP updates.
 - Consistently shared relevant news and information on social media outlets (Facebook, LinkedIn, and X).
- Implementing fundraising strategies to help sustain organization.
 - The Development Committee met monthly to develop and execute fundraising strategies including the pursuit of more Annual Meeting corporate sponsorships and increasing the number of dues-paying Individual and Group Members.
 - Submitted Letter of Inquiry to a philanthropic foundation to fund engagement with international Caribbean partners during SCDRP 2025 Annual Meeting (not funded).
 - Leading the development of the full proposal to the NOAA Climate Resilience Regional Challenge with 11 partners.
- Southeast Coastal Zone Mangers will participate in the 2023 SCDRP Annual Meeting (<https://www.scdrp.secoora.org/>).
 - Complete – the meeting was hosted January 24-25, 2023 in Miami FL.

<ul style="list-style-type: none"> • 2024 SCDRP Annual Meeting hosting and participation. <ul style="list-style-type: none"> ○ The 2024 SCDRP Annual Meeting will be hosted at the Fort De Soto Hotel in Savannah, GA, January 23-24. ○ A 24-member Steering Committee has been formed and has met 6 times to develop the theme and content of the meeting. ○ A 7-member Field Trips Subcommittee has met 2 times to organize events and field trips in the Savannah area. ○ Formalized the collaboration between SCDRP and Duke University Nicholas Institute for Energy, Environment, and Sustainability to offer a Roundtable Discussion on Hazard Insurance in conjunction with the Annual Meeting. 	
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BUDGET SUMMARY:

Total Approved YEAR 1 Funds (Topic 1 + Topic 2)	\$ 950,500
Matching Funds	\$ 0 (no matching funds required)
Total Funds Expended (YEAR 1 Topic 1)*	\$ 280,187.62
Total Funds Expended (YEAR 1 Topic 2)*	\$ 106,331.75
Total Unobligated Funds (Topic 1 + Topic 2)	\$ 0
Budget Deviations	None
Total Approved YEAR 2 Funds (Topic 1 + Topic 2)	\$ 955,500
Matching Funds	\$ 0 (no matching funds required)
Total Funds Expended (YEAR 2 Topic 1)*	\$ 136,378.37
Total Funds Expended (YEAR 2 Topic 2)*	\$ 55,408.95
Total Unobligated Funds (Topic 1 + Topic 2)	\$ 0
Budget Deviations	None

* SECOORA pays its monthly operational costs (i.e., payroll, etc.) and then conducts the ASAP draws in the middle of the following month for both the preceding month's operational expenses and the sub-awardee invoices. SECOORA receives invoices on a quarterly basis. There is always a delay between when a subawardee or subcontractor conducts work and when it is invoiced to SECOORA.