



## Progress Report

**Project Title:** Disaster Relief Supplemental Act (DRSA) - Repair and Replacement of Observing Assets, Real Property, and Equipment in the Gulf of Mexico, Southeast, and Caribbean Regions Non-competitive Request for Applications (RFA) - NOAA-NOS-IOOS-2024-2008259 Disaster Relief Supplemental Appropriations Act, 2023

**Opportunity number:** NOAA-NOS-IOOS-2024-2008259

**Award number:** #NA24NOSX012C0037

**Period of Activity:** 10/01/2025 – 03/31/2026

**Principal Investigator:** Debra Hernandez, SECOORA Executive Director

**Co-investigators:** Jennifer Dorton (SECOORA)

### Project Milestone Chart

| SECOORA Timeline and Milestone Chart                                         |        |        |                                                                                                                |
|------------------------------------------------------------------------------|--------|--------|----------------------------------------------------------------------------------------------------------------|
| Tasks / Timeline                                                             | Year 1 | Year 2 | Comments                                                                                                       |
| A. Meet with partners to review repair award conditions, milestones          | X      |        | Complete                                                                                                       |
| B. Issue subcontracts to partners                                            | X      |        | Complete                                                                                                       |
| C. Coordinate and manage subawards                                           | X      | X      | On-Track                                                                                                       |
| D. Order supplies/equipment                                                  | X      |        | Complete                                                                                                       |
| E. Receive supplies/equipment                                                | X      | X      | Complete                                                                                                       |
| F. Integrate replacement sensors into overall systems (HFR, real-time buoys) | X      | X      | On-Track (All integration complete except USC HFR which is on-track)                                           |
| G. Complete field-based repairs/deployments                                  | X      | X      | On-Track (All field repairs/deployments complete except USF Buoy deployments and USC HFR. These are on-track.) |
| H. Verify sites are fully operational                                        | X      | X      | On-Track                                                                                                       |
| I. Data QA/QC by partners to assure sites are fully operational              | X      | X      | On-Track                                                                                                       |
| J. Data flowing to SECOORA/ IOOS                                             | X      | X      | On-Track                                                                                                       |
| K. Progress Report submission & Final report                                 | X      | X      | On-Track                                                                                                       |

## I. PROJECT GOAL:

SECOORA supported assets, specifically HFR, water level stations, surface buoys and subsurface moorings in Florida, South Carolina, and North Carolina were damaged during the passage of Hurricane Ian in September 2023. The storm made landfall on the southwest coast of Florida where it then damaged the HFRs located in Venice, FL and destroyed the HFR in Naples, FL. Additionally, water level sensors in Captiva, FL and Sanibel, FL were also destroyed. The storm crossed Florida, and entered the Atlantic Ocean, finally making a second US landfall on September 30 as a category 1 storm near Georgetown, SC. The HFR located in Georgetown, SC was damaged and two buoys off the coast of South Carolina and one buoy off the coast of North Carolina sustained damages. Repairs are needed to bring these stations back into full operation. Without data, the ability to forecast and respond to future disasters in our region will be significantly impacted. The goal of this award is to repair assets damaged during the passage of Hurricane Ian so they are fully operational.

Objectives from the proposal are identified in Section II Progress and Accomplishments. High-level accomplishments and any issues identified by each project team member are included for each objective. Status of each deliverable is reported as complete, on-track, or delayed. If the milestone is delayed, a justification for the delay and description of activities employed or to be employed to mitigate the delay are provided.

## II. Progress and Accomplishments

| Objectives                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Status         |
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| <b>Objective 1: Hurricane Ian Repairs – High Frequency Radar</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |
| The following accomplishments detail the status of Hurricane Ian repairs to High Frequency Radar (HFR) in South Carolina by the University of South Carolina (USC) and Florida by the University of South Florida (USF):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | USF – Complete |
| USF - Complete <ul style="list-style-type: none"><li>The University of South Florida has completed all repairs to the Venice CODAR and Venice WERA HFR systems damaged during Hurricane Ian.<ul style="list-style-type: none"><li>In-field Venice WERA antenna repair and system optimization was completed this reporting period. The site resumed operation in early March and data delivery to the national IOOS HFR Network was re-established on 3/30/26. All Venice WERA Repairs are complete.</li><li>During the antenna repair operations, it was found that underground damage to antenna cable 1 had also occurred which could not be resolved within the scope of this award. Fortunately, antenna 1 is at the far southern end of the 12-channel receive antenna array with its absence resulting in minimum overall performance impact.</li></ul></li></ul> | USC – On-track |
| USC – On-track <ul style="list-style-type: none"><li>USC has received the WERA HFR equipment and supplies from Helzel Messtechnik GMBH to complete the repairs to the Georgetown HFR. The original delivery was anticipated to be August or early September 2025 but due to manufacturer delays, USC was told the delivery would be November 2025. The shipment was</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |

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| further delayed and not received by USC until March 2026. Repairs to the Georgetown HFR have begun and will be completed by the end of May 2026.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                              |
| <b>Objective 2: Hurricane Ian Repairs - Coastal Real-time Buoys and Subsurface Non Real-time moorings</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |
| <p>The following accomplishments detail the status of Hurricane Ian repairs to Buoys and Subsurface moorings in North Carolina, South Carolina, and Florida by the University of North Carolina Wilmington (UNCW) and USF.</p> <p>UNCW – All repairs have been completed</p> <p>USF – On-track</p> <ul style="list-style-type: none"> <li>• Final testing and build out for real time buoys C13 and C22 is complete. USF is booked on the R/V Weatherbird in May 26-29, 2026 and they will recover the deployed C13 and C22 buoys and redeploy two new systems right before the 2026 hurricane season. This will ensure that the buoys can reliably collect real-time data during summer and fall months.</li> <li>• Four CTDs that were shipped back to Seabird during the last reporting period were repaired and the CTDs were received by USF in February.</li> <li>• All repairs have been completed for C11 and C15, the non real-time moorings.</li> </ul> | <p>UNCW – Complete</p> <p>USF - On-track</p> |
| <b>Objective 3: Hurricane Ian Repairs - Water Level Sensors</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                              |
| <p>All water level sensor installations are complete.</p> <ul style="list-style-type: none"> <li>• Sensors damaged by Hurricane Ian in Captiva and Sanibel, FL, and in Oyster Landing and Georgetown, SC were replaced during this reporting period. All data are available via <a href="https://wl.secoora.org">https://wl.secoora.org</a>.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Complete                                     |

### III. ADMINISTRATIVE UPDATES

Please provide answers to all questions below.

|                                                                                                                                                                                                                                                                                 |
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| <p><b>1.</b> Were the oldest ASAP TAS BETC accounting lines invoiced first?</p> <p><input checked="" type="checkbox"/> Yes</p> <p><input type="checkbox"/> No</p>                                                                                                               |
| <p><b>2.</b> Provide details on any property or equipment charged directly to the award having a useful life of more than one year and an acquisition cost of \$10,000 or more per unit during the period.</p> <p>No equipment was purchased</p>                                |
| <p><b>3.</b> Were any funds re-budgeted into cost categories different than indicated in the proposal/descope? If so, please indicate what changed by referencing your approved budget or descope documentation. Please include a description of the new item of cost and a</p> |

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| <p>justification. <i>REMINDER: Re-budgeting may require prior approval (e.g., equipment). You must obtain prior approval for those actions listed in 2 CFR 200.308(f) (see Question #5).</i></p>                                                                                                                                     |
| <p>No</p>                                                                                                                                                                                                                                                                                                                            |
| <p><b>4.</b> Is spending on target and all funds plan to be expended by the end of the award?</p> <p><input checked="" type="checkbox"/> Yes</p> <p><input type="checkbox"/> No</p>                                                                                                                                                  |
| <p><i>If no, explain here</i></p>                                                                                                                                                                                                                                                                                                    |
| <p><b>5.</b> Review the <a href="#">list</a> of eRA Revision Request options.</p> <p><input checked="" type="checkbox"/> None of the Revision Requests apply to this reporting period.</p> <p><input type="checkbox"/> A Revision Requests option applies to this reporting period, we will submit an official Revision Request.</p> |

  

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| <p><b>OTHER UPDATES</b> (Optional)</p> <p>Provide any other information that is critical for the Program Office to have regarding this reporting period (limit 500 words).</p> |
| <ul style="list-style-type: none"> <li>• <i>Add Updates Here</i></li> </ul>                                                                                                    |

End Report