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**KAYLEE ROSE, MSc.**  
Environmental Scientist

**Research Planning, Inc.**

Ms. Rose is an environmental scientist specializing in coastal ecology, restoration, and human impacts on natural systems. She has experience working in coastal ecosystems within the Gulf and Atlantic Coasts of the Southeastern United States. As an environmental scientist at RPI, she aims to mitigate environmental degradation amidst climate and human-related events.

Prior to joining RPI, Ms. Rose worked as an Environmental Permit Manager at the Florida Department of Environmental Protection where she evaluated and permitted various beach construction projects along the eastern coast of Florida. In addition to Ms. Rose's experience working with state agencies, she has collaborated with a variety of non-profit organizations to conduct environmental research and outreach, emphasizing her ability to effectively communicate with a range of stakeholders.

## **EDUCATION**

M.S., Aquatic Environmental Sciences, Florida State University, Tallahassee, FL (2021). Thesis: The Analysis of Seagrass Decline in Florida Bay and its Correlation with the Decline of the Florida Manatee.

B.S., Biology, Georgia Southern University, Statesboro, GA (2018)

## **PROFESSIONAL EXPERIENCE**

2024 - Present: Environmental Scientist/Ecologist, Research Planning Inc., Tallahassee, FL

2023: Environmental Specialist III, Department of Environmental Protection, Tallahassee, FL

2022 - 2023: Environmental Specialist II, Department of Environmental Protection, Tallahassee, FL

2021: Wildlife Conservation and Management Intern, FL Fish and Wildlife Conservation Commission, Tallahassee, FL

## **SELECTED PROJECT EXPERIENCE**

### **NOAA Marine Debris Program Infrastructure Grant Environmental Compliance, Nationwide.**

From 2024 – ongoing, Ms. Rose is supporting NOAA's Marine Debris Program to provide environmental compliance support for grants that are being funded for marine debris assessment, removal, disposal, interception, and restoration efforts. Her support includes identifying and assessing the potential environmental impacts associated with NOAA-funded marine debris activities, which have included multiple locations across the U.S. RPI conducts the analysis, documentation, and interagency coordination and/or consultation for ESA Section 7 with USFWS and NMFS; Essential Fish Habitat with NMFS; National Historic Preservation Act Section 106 consultation with States and Tribes; state coastal zone consistency reviews under CZMA; Coastal Barrier Resource Act reviews with USFWS; permitting with the NOAA National Marine Sanctuaries; and various other environmental review and coordination activities as needed.

### **Pipeline and Hazardous Materials Safety Administration (PHMSA), Technical Review of Ecological Unusually Sensitive Areas (Eco USA) Database Updates, Nationwide.**

From 2024 – ongoing, Ms. Rose is supporting PHMSA with technical reviews of updates being made to the national Ecological USAs database used by the U.S. Government and pipeline operators to protect critically impaired and imperiled species, threatened and endangered species, depleted marine mammals, and waterbird concentration areas from oil spills and hazardous materials releases from the nation's liquid pipelines. This work involves detailed review of GIS and attribute data related to the conservation status

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and landscape context of numerous imperiled and endangered species, their habitats, and ecological communities, utilizing data sources such as State and Tribal Natural Heritage Program and Natural Heritage Inventory datasets, NatureServe datasets, NOAA Environmental Sensitivity Index (ESI) data, USFWS and NMFS data and reports, Ramsar Wetlands of International Importance data, Western Hemisphere Shorebird Reserve Network (WHSRN) data, and other related source information. Ecological USAs are defined under the U.S. Code of Federal Regulations, 49 CFR 195.6.

**U.S. Coast Guard (USCG) Programmatic Environmental Impact Statement (PEIS) for Shipping Safety Fairways along the U.S. Atlantic and Pacific Coasts: 2024 – Ongoing.** Ms. Rose is assisting in preparing the PEIS documents that address the USCG’s proposed establishment of shipping safety fairways and other routing measures along the Atlantic and Pacific Coasts of the U.S. The fairways are designed to keep traditional navigation routes free from fixed structures that could impact navigation safety and impede other shared offshore activities. She is responsible for conducting analyses on biological resources, including assisting in preparation of the relevant chapters and analysis of impacts under ESA, MSA (EFH), MMPA, MBTA, and CZMA.

**Joint Coastal Permits (JCP) and Environmental Resource Permits (ERPs), Brevard to Monroe Counties, Florida.** From November 2023 – August 2024, Ms. Rose was responsible for evaluations of coastal ecosystem impacts under JCP and ERP permitting. She reviewed permit applications, assessed environmental considerations, and collaborated with experts from the Program, Division, Department, and other State and Federal agencies as necessary to complete evaluations. Authorized projects included beach nourishment, as well as the construction and repairs of jetties, groins and piers. Ms. Rose has also contributed to hurricane responses for major storms affecting managed beaches, sand resources, and coastal structures.

**Joint Coastal Permits (JCP) and Environmental Resource Permits (ERPs), Nassau to Volusia Counties, Florida.** From January 2022 – November 2023, Ms. Rose was responsible for reviewing permit applications, assessing environmental considerations, and collaborating with experts from the Program, Division, Department, and other State and Federal agencies as necessary to complete evaluations. Authorized projects included beach nourishment, as well as the construction and repairs of jetties, groins, and piers.

**Florida Fish and Wildlife Conservation Commission, Tallahassee, Florida.** From May 2021 – August 2021, Ms. Rose was responsible for overseeing four short-term projects including: editing and revamping two species profile webpages (Eastern Diamondback Rattlesnake and Gopher Frog), incorporating 15 species into the FWC database and contributing to the manual’s editing for future reference, coordinating volunteer and outreach events and reviewing and approving Gopher Tortoise web-page submissions from the public.

## **RELEVANT SKILLS AND CERTIFICATIONS**

*Field* – SCUBA diving, macroinvertebrate collection and analysis, water quality testing using YSI, pH determination testing, dissolved organic matter analysis using CDOM, visual water clarity testing using Secchi Disk, Florida Coastal Bird identification (visual), sand loss assessments, and hurricane response.

*Lab* – Macroinvertebrate identification & counts, microscope slide mounting & imaging, water quality analysis (pH, dissolved oxygen, salinity, temperature, turbidity), titrations, micro pipetting, microscopy.

*Software* – ArcGIS, Microsoft Office Suite (Word, Excel, PowerPoint), SAS Data Analytics Program.

*Certifications* – PADI Open Water, CPR, First Aide, AED, Autism Awareness.