RFP #25-020
CITY OF KEY WEST

RE-BID: WATER QUALITY MONITORING PROGRAM

Due: September 17, 2025 by 3pm

Prepared By :

Ecological Associates, Inc.

EAI
ECOLOGICAL ASSOCIATES, INC.

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Tab 1. Cover Letter and Executive Summary

Ecological Associates, Inc (EAI) is a multi-disciplinary environmental consulting firm incorporated in Florida. Our headquarters are in Jensen Beach (Martin County) and we have a satellite office in Titusville (Brevard County). EAI has been in business since 1994 (31 years) offering professional services focusing on species and ecosystem management, monitoring, and research. EAI has experience working in the Indian River Lagoon, Biscayne Bay, the Florida Keys, freshwater systems, estuaries, and beaches along the east coast of Florida.

EAI understands the City is looking for a partner who can review existing data, identify action items to reduce pollutants, and establish and execute a comprehensive water quality program in support of pollutant reduction goals primarily related to beach safety and Chapter 80 Cruise Ship Regulations. EAI will prepare information such that citizens have access to and understand the current status of the waters and beaches within the City and what is being done to improve water quality. EAI is committed to fulfilling these duties with a focus on safety, data quality, responsiveness, and open communication to facilitate a successful program.

To meet the RFP goals, EAI will leverage the combined knowledge of our staff to review existing data and coordinate with the City to consider public concerns. EAI and Colliers Engineering and Design (CED) will identify opportunities to mitigate pollutants and support public outreach with the Chapter 80 requirements and goals in mind. EAI staff have technical data review and GIS experience and will provide a comprehensive picture of the City's water quality status. Concurrently with developing mitigation strategies and the water quality sampling plan, EAI and Eurofins will initiate beach sampling to provide the weekly information the City needs to keep the public informed. EAI will review and summarize data trends for the different beaches and advise appropriate public messages for swimming risks. Throughout the process, EAI will collaborate with City staff.

EAI appreciates this opportunity to provide a proposal in support of the City of Key West's initiatives to develop a comprehensive water quality program. If selected for this Scope of Work, EAI commits to supporting the project until completion.

Sincerely,

James (Jimmy) Sellers
EAI Co-President / Director of Business Development & Finance

Headquarters	3552 NE Candice Avenue, Jensen Beach FL 34957 – (772) 334-3729
Satellite Office	5332 Riveredge Drive, Titusville FL 32780 – (772) 334-3729
Principals	Niki Desjardin and Jimmy Sellers, Co-Presidents
Proposal Lead	Jimmy Sellers
Number of Employees	38 full-time, 3 part-time, and up to 36 seasonal staff

Tab 2. Qualifications and Relevant Experience

2.1 Company Profile

EAI is co-owned by Niki Desjardin and James (Jimmy) Sellers and is comprised of three departments: Environmental Resource Management, Coastal Protected Species, and Aquatic Sciences. EAI is an industry leader in water quality monitoring and delivers quality, cost-effective, scientific deliverables safely, on time, and within budget. EAI currently holds multi-year environmental services contracts with Indian River, Brevard, St. Lucie, Martin, and Volusia Counties. EAI employs specialists in a broad range of aquatic and terrestrial systems and with expertise in project management, environmental permitting, and Geographic Information Systems (GIS). EAI is teaming with CED and Eurofins Environment Testing to provide a comprehensive team of experts to address the pollutants and monitoring concerns of the City. EAI's equipment for this RFP is listed in section 4.3.5.

2.2. Water Quality Experience

2.2.1. Experience in managing water quality and QAQC data

Since 1994, EAI has worked closely with the South Florida Water Management District (SFWMD) and Florida municipalities to design water quality monitoring programs and subsequently collect, review, and submit water quality data. In the past 15 years, EAI has supported the design of 17 water quality sampling plans, including 4 Quality Assurance Protection Plans (QAPP) in the last 5 years. Water quality sampling has included both in-situ readings with grab samples and continuous water quality data collection. All data collection and QAQC follow the Florida Department of Environmental Protection (FDEP) requirements and EAI's Quality Manual. CED has helped municipalities address pollution and bacteria concerns in waterways by reviewing historical data, identifying trends in pollution to field verify sources, and propose programs, education, and code recommendations to improve water quality.

EAI routinely subcontracts water quality sample analysis to Eurofins, who conduct their own quality checks and tests according to state requirements and industry best practices. EAI reviews the quality results and ensures that all parameters that require a qualifier code per FDEP SOP are properly documented. EAI also monitors and tracks the QAQC blanks collected across projects so corrective actions are completed if a concern arises.

2.2.2 Experience and ability to collect environmental samples in accordance with FDEP Standard operating procedures, including deploying and collecting data

EAI has deployed different types of multiparameter sondes, autosamplers, flow meters, photosynthetically active radiation (PAR) sensors, hydrometeorological equipment, and telemetry equipment. EAI has multiple qualified staff that collect a variety of water quality, sediment, tissue, macroinvertebrate, and environmental samples according to the FDEP SOPs. New staff complete specific training on the SOPs with experienced staff prior to sample collection and sonde calibration.

In addition, staff undergo internal audits every two years for calibration and field sampling. EAI performs routine in-house maintenance on sampling gear to ensure operational readiness. Sufficient spare equipment is available to maintain sampling schedules during repairs. Sondes undergo both quarterly and annual maintenance according to manufacturer specifications and industry's best practices. All maintenance is documented and retained according to FDEP SOP requirements.

2.2.4 Experience in conducting surface water sampling and biological sampling and monitoring

EAI has collected grab samples using primary and secondary sampling equipment from boats, structures, and by wading. These collections are in support of large-scale monitoring programs, local stormwater treatment area (STA) efficacy monitoring, and other programs. Surface water sampling includes sampling for nitrogen (as Nitrate+Nitrate, TKN, and ammonia), phosphorus, total suspended solids, chlorophyll a, total coliforms, Escherichia coli, and other analytes. In early 2023, EAI deployed six sondes for continuous water quality monitoring in a custom buoy design and has managed their permitting, maintenance, and calibration since. In addition to water quality testing, EAI has also collected visual data on algal blooms, using drone imagery to quickly determine the extent of the bloom and biological sampling under Special Activity Licenses for characterization and population studies as well as tissue analysis. CED has worked with LuminUltra, EAI's partner for microbial source tracking (MST), on previous projects in Florida to monitor and mitigate for pollutants and bacteria in municipal water sources.

2.2.5. Experience in maintaining and calibrating field meters that measure dissolved oxygen, pH, temperature, specific conductance, and salinity

EAI has an on-site water quality lab for the calibration, maintenance, and storage of multiparameter sondes that are used to collect in-situ measurements such as dissolved, oxygen, pH, oxidation reduction potential (ORP), temperature, specific conductance, salinity, and turbidity. EAI keeps a supply of appropriate standards and cleaning solutions, so equipment is maintained in good condition. All standards meet the manufacturer specifications and have been selected to meet the FDEP bracket criteria for each parameter. In addition, EAI conducts an annual laboratory audit to ensure that equipment, standards, acids, and other equipment and materials are stored safely and properly, are documented properly, and disposed of correctly once out of date or otherwise no longer in use.

2.2.6. Experience in performing laboratory analysis (either by Respondent or subcontractor), including laboratory certifications

The Eurofins Orlando lab (Lab ID E83018) has been in operation since October 2000. The Eurofins Florida Keys lab (Lab ID E35834) has been in operation since August 2002. Both labs conduct analyses on potable and non-potable water samples. Certifications for each lab are provided as an attachment. LuminUltra was founded in 1995 and provides microbial testing across the globe, including for CED's work with Miami-Dade County for a bacteria pollution control plan in 2024.

2.2.7. Methods Used

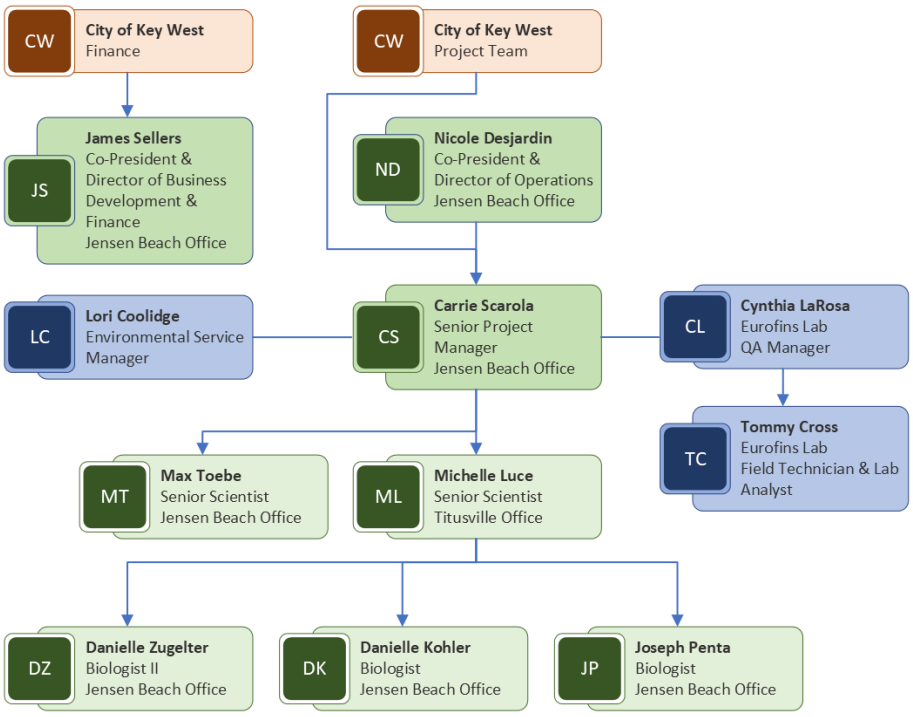
Eurofins can analyze a variety of water quality parameters across its different labs in Florida; analysis methods for the pollutants of concern listed in this RFP are detailed below and meet the methods described in the Florida Keys Reasonable Assurance Document. Beach testing (blue) for enterococci (by Eurofins) and human fecal assay (by LuminUltra) is included with the costing for Task 4; other tests are available to include in the final water quality monitoring plan.

Parameter	Lab Method	MDL
Enterococci	Enterococci	1.0 MPN/100 mL
NO_x	EPA 353.2	0.0200 mg/L
TP	EPA 365.1	0.00400 mg/L
TKN	EPA 351.2	0.180 mg/L
Chlorophyll *a*	SM 10200 H	0.0500 ug/L
Diesel Range Organics	EPA 8015	100 ug/L
PAHs*	EPA 8270	Varies

Parameter	Lab Method	MDL
Human Fecal Assay	HF183 Assay	563 copies/100 mL
HEM/SGT-HEM^	EPA 1664	1.20 mg/L
Calcium via ICP-OES/MS	EPA 200.7, 215.1, 215.2	0.0576 mg/L
Cu	EPA 200.7, 200.8, 220.1	0.000643 mg/L
Zn	EPA 200.8, 298.1, 298.2	0.00129 mg/L
Pb – LeadCheck or D-Lead	EPA 200.8	0.000243 mg/L
Acetaminophen	103-90-2	0.02 µg/L⁺

**Phlycyclic aromatic hydrocarbons. ^Oil, gas, grease test ⁺RL is used instead of MDL for this in-house test.*

2.3. Organization Chart and Staff Qualifications



Lori Coolidge, PG

Department Manager | Environmental Services

Ms. Coolidge will serve as a subject matter expert and is a Professional Geologist with eighteen years of progressive experience in the field of geology. Ms. Coolidge has served as a senior technical advisor on a number of surface water quality projects for various municipalities across the State of Florida, with expertise in preparing Alternative Restoration Plans in advance of TMDL development, particularly for bacteria impairments, and managed hydrogeologic projects including the Hillsborough County Countywide Aquifer Recharge Project and the installation of a backup injection well for the City of Fort Myers reverse osmosis water plant. While managing either defined tasks or overall projects, Ms. Coolidge understands that adhering to defined project schedules and budgets, and prompt communication with clients is key.

Education

BS Geology, University of South Florida, 2005

Professional Registrations

Professional Geologist (PG): FL

Training

OSHA 40 Hour Hazardous Waste Operations and Emergency Response (HAZWOPER), 2011

Key Projects

General Environmental Engineering Services Continuing Contract, *Fort Lauderdale, FL*
Lori supported efforts with the Surveying & GIS Mapping of Unverified Stormwater Assets by supplementing the project by assisting the City in a third-party review of water quality data which will be used to further identify possible illicit drainage connections, non-point sources of pollution associated with stormwater, and ultimately recommended additional sampling strategies and management plans to assist the City with monitoring and continued improvement of surface water quality.

City of Fort Myers MS4 Sampling & Microbial Source Tracing Study, *Fort Myers, FL*
Lori oversaw monthly MS4 permit monitoring for the City of Fort Myers for over 5 years and assisted the City in identifying potential point sources of bacteria in surface water bodies city-wide. This microbial source tracing study included the use of sampling, stakeholder engagement, and the implementation of
a management plan to find and eliminate detected sources. Completed a Pollution Reduction Plan for the City, which was accepted by the EPA as an alternative water quality plan (4e). Lori also assisted the city in obtaining an EPA Trash Free Waters of Gulf of Mexico grant, which utilizes public outreach and stakeholder engagement to enact change and reduce the amount of trash entering the City's waterways.

Miami-Dade County Little River and Miami River Bacteria Pollution Control Plans, *Miami-Dade County, FL*
Assisted Miami-Dade County with the preparation of a Bacteria Pollution Control Plan (BPCP) for the Little River watershed and is currently assisting the County with preparation of a BPCP for the Miami River. The projects utilize an interactive virtual Maps on Table event and a Walk the WBID event to engage stakeholders and to gain valuable insight into potential point source locations of bacteria in the watershed.

Port Tampa Bay Annual Tenant Stormwater Inspections, *Tampa, FL* Performed and prepared reports for over 90 tenant properties on Port Tampa Bay owned land for the annual MS4 report. Observations and recommendations pertaining to stormwater best management practices were provided to the port tenants for implementation to assist in overall water quality improvements at the Port.

Danielle Koelher, B.S.

Total Years' Experience: 7
Years with EAI: 3

Technical Specialties

- Environmental Assessments
- Water Quality Monitoring
- GIS Mapping and Analysis
- Field Sampling Methodology
- Species Taxonomy
- Environmental Permitting and Compliance
- Protected Species Monitoring
- Radio Telemetry

Professional History

- Ecological Associates, Inc.
- Chincoteague Bay Field Station
- The Sloth Institute – Costa Rica

Education

- B.S. (Environmental Studies-Conservation Ecology), 2018, California University of Pennsylvania

Certifications

- FDEP Stormwater Management Inspector
- HSI CPR, First Aid, AED
- USFWS Qualified Caracara Observer
- SDI Open Water Diver

City of Key West Role

Danielle Koehler will serve as support staff for office and field work.

Synopsis of Qualifications

Field biologist with professional experience conducting transect, behavioral monitoring, water quality monitoring, and vegetation surveys in adverse weather conditions and varying ecosystems throughout the eastern United States, Costa Rica, and Madagascar. Professional training and experience in environmental assessments, environmental permitting and compliance. Proficiency in GIS mapping and analysis, focusing on deliverables that accurately display detailed location information while remaining visually cohesive.

Representative Project Experience

Indian River Mosquito Control District, Mosquito Impoundment Water Quality Monitoring, Indian River County, FL – Project lead and field biologist responsible for completing monthly water quality monitoring within Indian River County's Mosquito Impoundments. Twenty-five stations are monitored year-round, with an additional 12 stations monitored during the wet season for a total of 37 stations. Monthly sampling efforts include the collection of in-situ data for temperature, dissolved oxygen, specific conductance, salinity, turbidity, and oxygen reduction potential in accordance with all applicable FDEP SOPs. Responsible for the accurate and complete collection of field data, meter calibration in accordance with FDEP SOPs, and report drafting, data analysis and provision of water quality improvement recommendations.

South Florida Water Management District, St. Lucie Estuary Tributaries Monitoring, Martin and St. Lucie Counties, FL – Field biologist responsible for water quality sampling at 31 stations in Martin and St. Lucie Counties. The purpose of this sampling is to monitor nutrient loads discharging from the surrounding tributaries to the St. Lucie Estuary. Grab samples are collected for the analysis of Ammonia, Nitrate-Nitrite, Orthophosphate, Total Nitrogen, and Total Phosphorus. Water quality meters are calibrated and used to collect in-situ readings for

dissolved oxygen, pH, specific conductance, and temperature. Data is recorded in accordance with the SFWMD Field Sampling Manual and St. Lucie Estuary Tributaries Monitoring Plan requirements and entered into the SFWMD's field collection software. Responsible for mobilization and demobilization efforts, grab sampling, recording in-situ measurements, and data entry and verification.

South Florida Water Management District, C-44 Stormwater Treatment Area Water Quality Monitoring, Martin County, FL – Field biologist responsible for water quality sampling at six stations in the C-44 STA. Grab samples are collected for the analysis of Ammonia, Nitrate-Nitrite, Orthophosphate, Total Nitrogen, and Total Phosphorus. Water quality meters are calibrated and used to collect in-situ readings for dissolved oxygen, pH, specific conductance, and temperature. Data is recorded in accordance with the SFWMD Field Sampling Manual and C-44 Reservoir and Stormwater Treatment Area Operational Project Monitoring Plan requirements and entered into the SFWMD's field collection software. Reports occurrences of federally or state listed birds and migratory birds observed in the storm water treatment area during nesting season to the District. Responsible for mobilization and demobilization efforts, grab sampling, recording in-situ measurements, and data entry and verification.

Martin County, East Fork Creek STA QAPP & Water Quality Monitoring, Martin County, FL – Field biologist responsible for biweekly water quality sampling at three sampling locations to analyze the nutrient removal efficiency of the newly constructed STA.

Sustainable Costal Solutions/Martin County, Numerical Modeling Water Quality Sampling, Martin County, FL – Field Biologist responsible executing weekly water quality monitoring within the St. Lucie River watershed, St. Lucie Estuary, Indian River Lagoon, and Atlantic Ocean. In situ water quality measurements and general field measurements were recorded and water samples were collected across twelve stations, monitored seasonally.

Martin County, Indian River Lagoon (IRL) Seagrass Restoration Monitoring, Martin County, FL – Field biologist and GIS mapper responsible for monitoring the success of a seagrass restoration project, at multiple project areas throughout the IRL, within the Jensen Beach to Jupiter Inlet Aquatic Preserve in Martin County. Following the initial installation of 6 acres of farm raised shoal grass (*Halodule wrightii*) by an outside contractor, four monitoring events were completed by EAI, in accordance with the issued Florida Department of Environmental Protection (FDEP) permit. Data collected was compiled and presented in reports detailing the survival and establishment of the planted seagrass. Esri Field Maps were used to create navigational maps of the survey area, ensuring accurate and efficient collection of data while in the field. Data collected during the sampling events was compiled to create maps displaying observed species Braun Blanquet Cover Abundance (BBCA) scores and additional environmental data in a comprehensible format.

Michelle Luce, M.S.

Total Years' Experience: 10
Years With EAI: 4

Technical Specialties

- Environmental Assessments
- Environmental Resource Permitting
- FDEP & SJWMD Water Quality Monitoring & Sampling Protocols
- Protected Species Assessments
- USGS Discharge Methods for ADCP & Flowtracker II
- Campbell Scientific Datalogger Programming and Telemetry
- Continuous Environmental Data Collection, Site Installation, & Repair
- National Incident Command System (NICS) Training for Emergency Management
- Standard Operating Procedure (SOP) Development
- Audit Program Development and Support

Professional History

- Ecological Associates, Inc.
- St. Johns River Water Management District (SJRWMD)
- AMEC Foster-Wheeler

Education

- M.S. (Ecology), 2014, Florida Institute of Technology
- B.S. (Ecology), 2011, Florida Institute of Technology

Certifications

- Wildland Firefighter I
- HSI CPR/First Aid/AED

City of Key West Role

Michelle Luce will serve as the project lead and point of contact for the project tasks.

Synopsis of Qualifications

Experience obtaining various environmental resource permits for utility construction and right-of-way maintenance. Experience in design and maintenance of various hydrometeorological instrumentation for continuous and point data collection, groundwater and surface water quality sampling, and development of SOPs. Specialty in quality assurance and quality control (QAQC) procedures, audit program creation and support, and general best practices for ethical data collection. Educational background in ecological principals, ornithology, statistical analysis, natural resource management, and natural resource policy.

Representative Project Experience

Martin County, Ripple Stormwater Water Quality Retrofit Project, Martin County, FL – Served as Project Lead/Manager for project and responsible for scheduling, internal, and external communication, coordination with client and subcontractor staff, and deliverable creation and management. Supported QAQC of field and lab data, including training incoming staff.

Martin County, Jensen Beach Mosquito Impoundment Telemetry, Martin County, FL – Project Lead responsible for the program development, site location and design, installation and maintenance for continuous water quality stations. Installed of four (4) continuous water quality sensors and one (1) rain gauge with third-party data loggers and cellular communication on solar power. Created the equipment program to collect hourly data and communicate data twice per day. Set up the low-voltage power system with voltage control, solar panel, and battery for night-

time measurements. Completed calibration and verification of the water quality sensors and rain gauge and trained Martin County staff on how to maintain the systems.

Martin County Water Quality Projects, Martin County, FL – Assisted with project design for East Fork Creek STA, including QAQC for the FDEP-approved QAPP and site selection. Report Lead responsible for the Willoughby Creek STA data analysis and report creation to evaluate nutrient reduction in the system. Assisted with flow calculations using water level and reference weird data for Coral Gardens Outflow Nutrient Monitoring and advised with interpretation of flow data. Responsible for QA/QC of water quality sampling data and reports for Cypress Creek, Coral Gardens Outflow Nutrient Monitoring, and East Fork Creek STA.

SJRWMD, Flood Control Structure Support (Water Resource Information Bureau), Brevard and Indian River Counties, FL – Point of contact and technical support for flood control data station maintenance. Monitored and repaired data sensors and equipment, including QAQC of data received. Maintained United States Army Corps of Engineers (USACE) structures operated by SJRWMD, including structures with dive teams. Documented and reported compromise of rehabilitated structure while work was under warranty. Advised engineering during pre-bid meetings for large-scale rehabilitation projects.

AMEC Foster-Wheeler, Water Quality Data Collection, Baker, Duval, Clay, St John, Putnam, Alachua, Flagler, Marion, and Volusia Counties, FL – Collected water quality and sediment samples according to Florida Department of Environmental Protection (FDEP) and SJRWMD protocols. Training in FDEP surface water and groundwater quality sampling, habitat assessments, and stream condition index. Provided QAQC of data collected by field staff.

SJRWMD, Continuous Water Quality Support, Brevard and Indian River Counties, FL – Relocated active continuous water quality stations in the Indian River Lagoon to improve safety during maintenance. Procured all materials and scheduled each site to minimize data loss by coordinating with the water quality field and QAQC teams. Provided post-installation technical support and training for water quality team.

SJRWMD, Continuous Hydrologic Data Collection and Quality Assurance, Indian River, Brevard, Osceola, Orange, Seminole, Volusia, and Lake Counties, FL – Monitored, repaired, and installed hydrometeorologic continuous data stations to meet SJRWMD requirements for F.S. 373 and F.A.C. 40C. Provided initial QAQC of data and completed in acoustic discharge measurement methods according to United States Geological Survey standards. Trained in Campbell Scientific programming to support the data collection network.

SJRWMD, Redesign of Critical Flood Control Structure, Brevard County, FL – Documented unusual behavior and compromised ability to collect data at a critical USACE flood control structure. Led the response to redesign the structure component to restore site monitoring capabilities by coordinating with multiple bureaus. Developed best practices for future rehabilitation projects.

Joseph M. Penta, M.S.

Total Years' Experience: 10
Years with EAI: 5

Technical Specialties

- Water Quality Sampling
- Environmental Assessments
- Environmental Compliance
- Submerged Aquatic Vegetation Surveys
- Sea Turtle Monitoring
- Sea Turtle Rehabilitation
- Sea Turtle Nest Relocations
- Shorebird Monitoring
- Field Work and Data Collection
- GIS/Data Collection Using GPS

Professional History

- Ecological Associates, Inc.
- Broward County

Education

- M.S. (Biology), 2013, Nova Southeastern University
- B.S. (Biology), 2006, Long Island University

Certifications

- HSI CPR/First Aid/AED
- FDEP Qualified Stormwater Management Inspector
- SSI Master Diver Certification
- Florida Master Naturalist

City of Key West Role

Joseph Penta will serve as support staff for office and field work.

Synopsis of Qualifications

Biologist with experience in water quality monitoring, SAV surveys, and protected species observation during coastal restoration and marine construction projects. Skilled in using YSI ProDDS meters for water sampling and in-situ readings. Supported sea turtle and shorebird monitoring programs through data collection, nest relocation, and ecological assessments. Proficient in data management and reporting across multi-agency conservation efforts.

Representative Project Experience

South Florida Water Management District, St. Lucie Estuary Tributaries Water Quality Monitoring, St. Lucie and Okeechobee Counties, FL – Biologist 1 responsible for water sampling through the use of a van dorn, swing sampler or dipper wand. The purpose of this sampling was to monitor the nutrient loads discharging from the surrounding tributaries to the St. Lucie Estuary. Grab samples were collected for the analysis of Ammonia, Nitrate-Nitrite, Orthophosphate, Total Nitrogen, and Total Phosphorus. YSI DDS Pro water quality meters were calibrated and used to collect in-situ readings for dissolved oxygen, pH, specific conductance, and temperature. Data was recorded in accordance with the SFWMD Field Sampling Manual and St. Lucie Estuary Tributaries Monitoring Plan requirements and entered into the SFWMD's field collection software.

South Florida Water Management District, C-44 Reservoir and Stormwater Treatment Area Water Quality Monitoring, Martin County, FL – Biologist 1 responsible for water sampling through the use of a van dorn. Grab samples were collected for the analysis of Ammonia, Nitrate-Nitrite, Orthophosphate, Total Nitrogen, and Total Phosphorus. YSI Pro DDS water quality meters were calibrated and used to collect in-situ readings for dissolved oxygen, pH,

specific conductance, and temperature. Data was recorded in accordance with the SFWMD Field Sampling Manual and C-44 Reservoir and Stormwater Treatment Area Operational Project Monitoring Plan requirements and entered into the SFWMD's field collection software.

Sustainable Coastal Solutions/Martin County, Numerical Modeling Water Quality Sampling, Martin and St. Lucie Counties, FL – Field support staff for executing weekly water quality monitoring within the St. Lucie River watershed, St. Lucie Estuary, Indian River Lagoon, and Atlantic Ocean. In-situ water quality measurements (Including PAR) and general field measurements were recorded, and water samples were collected across twelve stations, monitored seasonally. Assisted with mobilization efforts and data entry.

Martin County, Ripple Stormwater Water Quality Retrofit Project, Martin County, FL – Monitored rainfall and flow conditions within the project area. Collected field data using water quality meter (i.e. specific conductivity, pH, dissolved oxygen, oxidation reduction potential, turbidity, and temperature), collected surface water samples via grab sampling, and delivered water samples for laboratory analysis.

St. Lucie County Mosquito Impoundment, Water Quality Monitoring, St. Lucie County, FL – Performed pre and post-calibrations of YSI Pro DSS water quality meters and Hach Quanta meter. Operated, implemented, and maintained field-based water quality monitoring systems and collected field measurements with the Hach Hydrolab Quanta Multi-Probe Meter. Collected field measurements for dissolved oxygen, oxidation reduction potential, pH, specific conductance, temperature, turbidity, and salinity. Completed data entry and report to send to St. Lucie County.

Martin County, Indian River Lagoon (IRL) Seagrass Restoration Monitoring, Martin County, FL – Field Biologist responsible for monitoring the success of a seagrass restoration project at several locations throughout the IRL, within the Jensen Beach to Jupiter Inlet Aquatic Preserve in Martin County. Installation of farm-raised shoal grass (*Halodule wrightii*) planting units over approximately 6-acres was completed by another consultant for the County. Following the planting event, each site was monitored at 30 days (Time Zero), 3 months, 6 months, and 12 months post-installation to fulfill specific monitoring and reporting requirements of the Florida Department of Environmental Protection (FDEP) permit, including the survival rate and establishment of the shoal grass planting units.

Carrie A. Scarola, B.A.

Total Years' Experience: 18
Years with EAI: 18

Technical Specialties

- Water Quality Project Design
- Water Quality Monitoring
- Turbidity Compliance Monitoring
- Environmental Assessments
- Submerged Aquatic Vegetation (SAV) & Benthic Faunal Surveys
- Sediment Analyses
- Polychaete Taxonomy
- Wetland Delineations
- Floral & Faunal Inventories
- Protected Species Survey/Monitoring
- Biological Characterization Sampling
- Database Development, Management, & Data Analysis

Professional History

- Ecological Associates, Inc.

Education

- B.A. (Environmental Studies), 2007, Florida Atlantic University's Honors College

Professional Affiliations

- Florida Association of Aquatic Biologists

Certifications

- FWC Authorized Gopher Tortoise Agent (GTA-14-00063D)
- FWC Approved Manatee Observer
- Florida Stormwater Erosion and Sedimentation Control Inspector (46071)
- Licensed Commercial Pesticide Applicator (CM27076)
- Professional Association of Diving Instructors (PADI) Certified Advanced Open Water Diver
- HSI CPR/First Aid/AED

City of Key West Role

Carrie Scarola will serve as the project manager in support of the project tasks.

Synopsis of Qualifications

Extensive experience in water quality and turbidity monitoring, SAV assessments, sediment analysis, and benthic ecology across the southeastern U.S. Skilled in developing and managing grant-funded QAPPs and permit-compliant monitoring programs. Proficient in sample collection, data analysis, and database management. Oversees projects from planning through reporting, including budgeting, scheduling, equipment procurement, and QA/QC. Supports departmental financial tracking and strategic planning and contributes to client engagement and proposal development.

Representative Project Experience

Florida Power & Light Company, Turkey Point Biological Characterization and Water Quality Sampling, Miami-Dade County, FL – Supported environmental monitoring for multiple projects, including water quality sampling, biological surveys, and aquifer performance testing. Collected porewater, soil cores, SAV, ichthyoplankton, meroplankton, and faunal data using trawls, bongo nets, throw traps, and seepage meters. Performed meter calibrations and sampling per FDEP SOPs across Biscayne Bay, Card Sound, and Barnes Sound. Participated in interagency SAV calibration exercises and calculated seepage rates for hydrology reporting. Sampling occurred semi-annually and biweekly over multi-site, day/night field campaigns.

South Florida Water Management District, St. Lucie Estuary Tributaries Water Quality Monitoring, St. Lucie and Okeechobee

Counties, FL – Senior project manager responsible for oversight, budget tracking, and QAQC of biweekly sampling efforts of thirty-one stations for the collection of water quality data to monitor the nutrient loads discharging from the surrounding tributaries to the St. Lucie Estuary. Mobilized to meet SFWMD's sampling schedule and coordinated with the SFWMD to implement a sampling route that increased efficiency for sampling efforts. Grab samples were collected for nutrient analysis. Water quality meters were calibrated and used to collect in-situ readings. Data was recorded in accordance with the SFWMD Field Sampling Manual and St. Lucie Estuary Tributaries Monitoring Plan requirements and entered into the SFWMD's field collection software.

South Florida Water Management District, C-44 Reservoir and Stormwater Treatment Area Water Quality Monitoring, Martin County, FL – Senior project manager responsible for oversight, budget tracking, QA/QC, and field collection of biweekly sampling efforts of 6 stations throughout the C-44 STA for the collection of water quality data. Grab samples were collected for the nutrient analysis. Water quality meters were calibrated and used to collect in-situ readings for water quality parameters. Data was recorded in accordance with the SFWMD Field Sampling Manual and C-44 Reservoir and Stormwater Treatment Area Operational Project Monitoring Plan requirements and entered into the SFWMD's field collection software.

Martin County, East Fork Creek Stormwater Quality Improvement Project, Martin County, FL – Project Manager responsible for overseeing development and implementation of the Quality Assurance Project Plan (QAPP) to assess the effectiveness of the constructed stormwater treatment area built to improve load reductions stormwater runoff, particularly total nitrogen, total phosphorus, and total suspended solids, into the St. Lucie Estuary. Developed cost-effective sampling plan utilizing grab samples to monitor water quality variables throughout the treatment train. The QAPP was approved by FDEP in March 2023. Monitoring commenced in October 2023 following construction completion and will continue through October 2024.

Indian River Mosquito Control District, Impoundment Water Quality Monitoring, Indian River County, FL – Senior project manager responsible for project design, site selection, and monitoring implementation for a new water quality sampling program throughout the Indian River Mosquito Control District's impoundments. Twenty-five stations are monitored year-round, with an additional twelve stations in the wet season, for thirty-seven stations total. Provided cost savings by adjusting the monitoring plan to fit budget requirements for each fiscal year. Monthly sampling efforts include the collection of in-situ data in accordance with FDEP SOPs. Provides QAQC of water quality data and monthly report submittals.

Sustainable Coastal Solutions/Martin County, Numerical Modeling Water Quality Sampling, Martin and St. Lucie Counties, FL – Project manager responsible for oversight of weekly water quality monitoring within the St. Lucie River watershed, St. Lucie Estuary, Indian River Lagoon, and Atlantic Ocean. *In-situ* water quality measurements and general field measurements were recorded, and water samples were collected across twelve stations, monitored seasonally. Coordinated with client regarding project administration needs.

Martin County, Cypress Creek Water Quality Monitoring, Martin County, FL – Project Manager responsible for scope of work development and water quality monitoring plan following focal

points provided by client. Identified sampling stations and coordinated with supplier to procure and install appropriate autosampler and flow monitoring equipment. Developed project-specific database. Oversaw biweekly water quality sampling via grab, autosampler, and drone for stations with limited accessibility including budget monitoring and QAQC of quarterly reports.

Martin County, Coral Gardens Outflow Nutrient Monitoring, Martin County, FL – Senior project manager responsible for coordination, project design and implementation, and final report review for twelve water quality sampling events at the Coral Gardens Outflow Canal to support the County's efforts to determine the effect of American eelgrass (*Vallisneria americana*) on nutrient reduction. The project included grab sample collections for nutrient and bacterial analysis according to applicable FDEP SOPs. In-situ data was also collected.

Martin County, Ripple Water Quality Monitoring, Martin County, FL – Project Manager responsible for development of QAPP outlining the process and procedures necessary to adequately analyze the nutrient reduction provided by a newly constructed stormwater system in Palm City. Identified sampling stations, equipment, and sampling frequency to provide data required to fulfill FDEP Grant requirements. Developed project-specific database. Oversaw water quality sampling including budget monitoring and QAQC to ensure accordance with FDEP SOP requirements.

Martin County, Indian River Lagoon Seagrass Restoration Monitoring, Martin County, FL – Managed monitoring of six acres of seagrass restoration sites across the Indian River Lagoon. Oversaw one-year data collection on species composition, shoot density, sediment type, and water depth using Braun-Blanquet methodology. Responsible for project oversight, budget tracking, and QAQC of reports.

Martin County, Willoughby Creek Stormwater Quality Improvement Project, Martin County, FL – Project Manager responsible for the development and implementation of a QAPP to evaluate BMP effectiveness in a stormwater treatment area built to reduce nitrogen, phosphorus, and suspended solids entering the St. Lucie River. Designed a sampling strategy using flowmeters, autosamplers, and grab samples to monitor water quality variables. Led data analysis to quantify annual nutrient reductions and identified cost-saving opportunities by optimizing sampling during dry periods.

Martin County, Jensen Beach Mosquito Impoundment, Martin County, FL – Provided field and permitting support for the county's efforts to restore appropriate hydrologic conditions within a 170-acre mosquito impoundment that experienced a large-scale mangrove mortality event following impacts from Hurricane Irma in 2017. Provided water quality and sediment sampling, aerial drone surveys, an updated Land Management Plan, and Environmental Resource Permitting support for proposed maintenance dredging of internal drainage ditches.

Environmental Science Associates, SFWMD Everglades Agricultural Area Water Quality Audits, Palm Beach County, FL – Project Manager responsible for client coordination and oversight for EAI to provide staff in support of SFWMD's field audit program for the primary sampling agencies within the Everglades Agricultural Area.

Max J. Toebe

Total Years' Experience: 15
Years With EAI: 12

Technical Specialties

- Water Quality Sampling
- Turbidity Monitoring
- 316(a)(b) Compliance Monitoring
- Sea Turtle Monitoring
- Shorebird Monitoring
- Drone Piloting

Professional History

- Ecological Associates, Inc.
- Inwater Research Group, Inc.
- Florida Oceanographic, Inc.

Education

- Jensen Beach High School

Certifications

- FAA Remote Pilot
- Florida Safe Boating Certificate
- Certified NAUI Open Water Diver
- HSI CPR/First Aid/AED

City of Key West Role

Max Toebe will serve as support staff for office and field work.

Synopsis of Qualifications

Specialized experience in water quality sampling design and monitoring, biological assessments, aquatic biological sampling, and turbidity monitoring. Practical experience in data collection and field operations for sea turtle nesting surveys on nourished (pre-construction through post-construction monitoring) and non-nourished beaches in Florida. Conducts daytime nesting surveys and nighttime surveys to monitor nesting turtles during active construction and relocate nests. Experience in shorebird monitoring and permit-compliance turbidity monitoring.

Representative Project Experience

South Florida Water Management District, Aquifer Storage and Recovery Ecological Risk Assessment Baseline Ecological Studies, Okeechobee, FL – Conduct baseline biological studies near aquifer storage and recovery wells within the Kissimmee River's C-38 canal to assess potential impact of discharged water on surrounding aquatic ecosystem. The project includes collection of water quality data, surface water, sediment, ichthyoplankton, periphyton, macroinvertebrate sampling, fish population assessments via electrofishing, apple snail and mussel trapping, and deployment and maintenance of continuous water quality monitoring sondes. Responsible for field data collection, sample processing for metal analyses, and data entry and management.

Ferreira Construction Southern Division Co. Inc., St. Lucie Inlet Groin Repair Project, Martin County, FL – Monitored background and compliance locations for turbidity exceedances by collecting surface and mid-depth samples three times a day at least four hours apart. Performed daily calibration of the turbidimeter following the FDEP's SOP protocols. Coordinated turbidity issues with contractor.

Ferreira Construction Southern Division Co., Bathtub Beach & Sailfish Point Nourishment Project, Martin County, FL – Monitored background and compliance locations for turbidity exceedances by collecting surface and mid-depth samples three times a day at least four hours apart. Performed daily calibration of the turbidimeter following the FDEP's SOP protocols. Coordinated turbidity issues with contractor.

St. Lucie Inlet Maintenance Dredging Project, Martin County, FL – Monitored background and compliance locations for turbidity exceedances by collecting mid-depth samples three times a day at least four hours apart using a swing pole sampler during boat-based sampling. Performed daily calibration of the turbidimeter following the FDEP's SOP protocols. Coordinated turbidity issues with contractor.

Florida Power & Light Company, CWA Rule 316(b) Phase II for Power Plant Cooling Water Impingement and Entrainment Mortality, Multiple Plants, FL – Served as field team member conducting samples and data for multiple sampling projects related to 316(b) impingement and entrainment monitoring at five different power plants in Florida. Each plant required a different sampling design and protocols based on plant-specific conditions and scope of work. Custom-designed sampling equipment to collect ichthyoplankton and meroplankton samples and capture fish and shellfish impinged on Cape Canaveral Plant's traveling screens. Responsible for using water quality instrumentation and biological sampling equipment. Conducted bi-weekly *in-situ* water quality monitoring, and collection of ichthyoplankton and meroplankton entrainment samples. Captured fish and shellfish impinged on plant's traveling screens.

Florida Power & Light Company, 316 (a) Biological Monitoring for the St. Lucie Plant Units 1 & 2 Uprate, St. Lucie County, FL – Served as field team member for agency-approved Biological Plan of Study to assess the effects of an increase in effluent temperature on fish and invertebrate communities near a discharge site and at two control areas north and south of the discharge area. Conducted sampling more than one year prior to the uprate completion and two years post-uprate in the coastal Atlantic waters off Hutchinson Island, Florida. Carried out trawl, gill net, beach seine, and ichthyoplankton sampling six times per year at nine stations. Took water quality measures at multiple depths along each transect for trawl and gill net sampling. Identified all fish and ichthyoplankton with designated Representative Important Species measured and weighed.

Martin County, Red Tide Monitoring, Martin County, FL – Collected and submitted water samples to the FWC's Red Tide Offshore Monitoring Program (RTMP) at the Fish and Wildlife Research Institute in St. Petersburg, Florida. Collected paired mid-depth water samples in nearshore waters approximately three feet deep and not directly in breaking wave/white water at up to seven stations on Jupiter and Hutchinson Island beaches. Recorded water quality measurements and environmental data on field datasheets provided by RTMP. Completed a chain-of-custody form with sample numbers and sample dates/times.

Martin County, Blue-Green Algae Bloom Monitoring, Martin County, FL – Conducted a series of drone over-flights from the St. Lucie Locks (S80) to the St. Lucie Inlet to provide documentation on algae bloom conditions within Martin County waterways between July and September 2018 (10 events). Captured video and still images of the water plume leaving the St. Lucie Inlet. Still image transects were pre-planned using the Drone Deploy flight planning tool. Uploaded the images to Drone2Map for processing and resulted in Geo Tiff files for each flight area. Edited the video and images together along with google map locations where the still images were captured, and included a comparison video showing the differences between some events.

Danielle Zugelter, M.S.

Total Years' Experience: 8
Years With EAI: 3

Technical Specialties

- Water Quality Monitoring
- Water Quality Project Design
- Environmental Assessments
- Fish, Ichthyoplankton, & Benthic Invertebrate (Crustaceans, Molluscs, Polychaetes) Taxonomy
- Submergerd Aquatic Vegetation (SAV) & Benthic Faunal Surveys
- Sediment Analyses
- Stormwater & Erosion Control Best Management Practices
- Wetland Delineations & UMAM

Professional History

- Ecological Associates, Inc.
- SFWMD
- Harnden Environmental
- Florida Institute of Technology

Education

- B.S. (Marine Biology), 2017, Waynesburg University
- M.S. (Biological Oceanography), 2019, Florida Institute of Technology

Certifications

- PADI SCUBA Diver
- FAA Certified Remote Drone Pilot
- FDEP Qualified Stormwater Management Inspector
- HSI CPR/First Aid/AED

City of Key West Role

Danielle Zugelter will serve as support staff for office and field work.

Synopsis of Qualifications

Professional training and experience in environmental assessments, environmental permitting and compliance, ichthyoplankton collection and identification, wildlife surveys and monitoring, and wetland delineations. Specialized experience in water quality sampling design and monitoring, harmful algae bloom sampling and analysis, sediment sampling, SAV surveys, and marine benthic invertebrate identifications.

Representative Project Experience

South Florida Water Management District (SFWMD) Water Quality Division, St. Lucie Estuary Tributaries (SLT) Water Quality Monitoring & C-44 Reservoir and Stormwater Treatment Area Water Quality Monitoring, St. Lucie and Martin County, FL – Project lead and field biologist responsible for executing biweekly sampling efforts of thirty-one stations for SLT monitoring and six stations for C-44 monitoring for the collection of water quality data. The purpose of this sampling was to monitor the nutrient loads discharging from the surrounding tributaries to the St. Lucie Estuary. Mobilized quickly to meet SFWMD's sampling schedule and coordinated with the SFWMD to implement a sampling route that provided increased efficiency for daily sampling efforts. Grab samples were collected for the nutrient analysis. Water quality meters were calibrated and used to collect in-situ readings. Data was recorded in accordance with the SFWMD Field Sampling Manual and St. Lucie Estuary Tributaries Monitoring Plan requirements and entered into the SFWMD's field collection software. Prepared quarterly reports and attended quarterly meetings with district personnel.

Martin County, East Fork Creek STA QAPP & Water Quality Monitoring, Martin County, FL – Project lead and field biologist responsible for biweekly water quality sampling at three sampling

locations to analyze the nutrient removal efficiency of the newly constructed STA. Lead the preparation of the FDEP-approved QAPP describing sampling protocols, which include the collection of water samples, rainfall datum and in-situ readings.

ECT, Water Quality and Ecological Impact Study, Glades and Okeechobee Counties, FL – Field biologist assisting with electrofishing, water quality sampling, and periphytometers for ASR ERA Pre-Operational Monitoring along the C-38 Canal and northern Lake Okeechobee Project. Field collection entailed preparation of spiked sampling containers, water quality meter calibration in accordance with quality assurance/quality control (QA/QC) protocols, use of water quality meters to collect in-situ data, and the use of peristaltic pumps and single-use tubing to collect samples at multiple depths. Samples were transferred via chain-of-custody forms to state-certified laboratories for analysis of proscribed analytes. Fish captured during electrofishing operations were measured, weighed, and released unless targeted for tissue analysis for heavy metals at an approved laboratory. Periphyton and macroinvertebrates from collections are prepared, preserved, and sent to appropriate labs for taxonomic analysis.

Martin County, Ripple Water Quality Monitoring, Martin County, FL – Field biologist responsible for water quality sampling. Calibrated and verified Hach Quanta water quality meters, recorded *in-situ* water quality measurements and field condition, and collected grab samples. Assisted with mobilization and demobilization efforts, and data entry.

Sustainable Coastal Solutions/Martin County, Numerical Modeling Water Quality Sampling, Martin and St. Lucie Counties, FL – Field biologist responsible executing weekly water quality monitoring within the St. Lucie River watershed, St. Lucie Estuary, Indian River Lagoon, and Atlantic Ocean. *In situ* water quality measurements (including PAR) and general field measurements were recorded and water samples were collected across twelve seasonally monitored stations. Assisted with mobilization efforts and data entry.

South Florida Water Management District (SFWMD) Water Quality Division, Okeechobee, Polk, Highlands, Glades, Palm Beach, and Martin County, FL – Provided water quality monitoring and sample collection across the Kissimmee-Okeechobee-Everglades watershed. Received professional training in surface water and marsh sampling pursuant to SFWMD and Florida Department of Environmental Protection (FDEP) regulatory protocols. Received specialized training in the collection of cyanobacteria, pesticides, and exploratory analytes for issues of "emerging concern."

FDEP and Florida Institute of Technology, Restoring Lagoon Inflow Project, Brevard & Indian River County, FL – Conducted monitoring of seagrass, benthic, and planktonic communities throughout the IRL and Atlantic Ocean. Processed, identified, and analyzed benthic invertebrate communities and structures. Analyzed sediment and water quality characteristics in accordance with FDEP protocols. Monitoring was conducted in three locations of the IRL (Cape Canaveral, Patrick Airforce Base, and Vero Beach) and three Atlantic Ocean locations adjacent to the IRL sites to provide the FDEP with a proposed location to build a weir to restore lagoon inflow.

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PERSONNEL RESUME

Cynthia
LAROSA
Quality Assurance Manager

QUALIFICATIONS SUMMARY

City of Key West Role: Cynthia de LaRosa will serve as lab QA manager for Eurofins Environment Testing in Orlando, Florida.

Ms. LaRosa began working in analytical laboratories in 1990. She has extensive experience both on the bench and in management. She has widespread experience developing new analytical procedures, preparing SOPs, documenting demonstration of capability and training lab staff. Ms. LaRosa has broad experience in the analyses of trace metals, all of the routine wet chemistry tests as well as microbiology analyses. This experience includes compliance to EPA methodologies and NELAC / TNI standards.

PROFESSIONAL EXPERIENCE

QA MANAGER | *Eurofins Environment Testing, Orlando – 2005 to 2018, 2022 to present*
Responsible for planning, implementation, and results of the quality management system. Leads internal audits and interviews staff to identify procedural and process non-conformances. Performs investigations to determine root causes and corrective actions for identified deficiencies. Performs quality control data review for trend analysis and improvement opportunities. Measures test equipment, performs calibrations and verifications on support equipment. Corrects and revises procedures to improve quality and maintain compliance with the environmental laboratory quality standards.

LABORATORY MANAGER | *2018 to 2022*

CHEMISTRY SUPERVISOR/ CHEMIST/MICROBIOLOGIST | *2001 to 2005*

CHEMISTRY SUPERVISOR/CHEMIST | *Tri-Tech Analytical*, *1999 to 2001*

OWNER/OPERATOAR | *Top Banana*, *1995 to 1999*

CHEMISTRY SUPERVISOR/CHEMIST | *GEOS Laboratory*, *1992 to 1995*

CHEMIST | *Thornton Laboratories*, *1990 to 1992*

CHEMIST | *Vermont Dept of Agriculture, 1986 to 1990*

EDUCATION

- BS Biology, Norwich University, Northfield, VT (1986)

PROFESSIONAL AFFILIATIONS

- Florida Society of Environmental Analysts

eurofins | Environment Testing

PERSONNEL RESUME

Thomas
Cross
Field Technician/Analyst

QUALIFICATIONS SUMMARY

City of Key West Role: Thomas Cross will serve as the beach field sampler and lab analyst for Eurofins Environment Testing in Marathon, Florida.

Thomas has supported field activities and currently serves as Eurofins Marathon laboratory technician and field technician since 2008. Skilled in managing client specific projects, handling field sampling activities, reviewing reports for accuracy and ensuring compliance with environmental regulations.

PROFESSIONAL EXPERIENCE

Field Technician/Lab Analyst | *Eurofins ET Marathon – Present*

Polk County landfills and Lee/Hendry County Landfill groundwater sampling

City of Key West: Key West Bight Quarterly surface water monitoring

Semi-Annual monitoring of Boot Key Harbor in Marathon

Construction drinking water line clearance

EDUCATION

- In studies – UCF Orlando

SKILLS

- Proficient in Microsoft Office, Performed sampling per FDEP SOP FS1000 and FS4000, Performing CBOD, TSS and bacteria testing per EPA methodologies.
- Operate and deploy flow proportion and time compositors
- Groundwater sampling
- Surface water sampling
- Sediment Sampling

2.4. Safety/Hazardous Waste Plan

EAI maintains a Health and Safety Plan (HASP) that specify safe workspaces, practices, and lab control for chemicals and materials used in sampling efforts. Safety data sheets for chemicals are maintained in an accessible folder. In addition, a float plan is filed for boat operations and all staff complete a safety checklist prior to commencing field work. These plans ensure staff have support if problems occur and are aware of hazards that may be present. Eurofins Environment Testing includes their hazardous waste plan within their quality manual, which can be provided upon request. Sample disposals are completed in compliance with all applicable state and federal requirements.

2.5. Quality Assurance Program

EAI maintains a Quality Manual detailing the required training, document management, sampling protocols, and data QAQC processes that are required for the company's water quality programs. This Quality Manual meets the requirements for FDEP SOP FA 1000 and is updated regularly to keep up with state requirements. Eurofins maintains a Quality Assurance Manual (QAM) for testing facilities located throughout Florida; it covers both the Orlando and Florida Keys labs, which will support nutrient analyses and bacteria analysis respectively. Their QAM is consistent with various EPA, ANSI/ASQC, and other state and federal requirements, is reviewed every two years, and is updated when changes are needed to meet new or changing regulations and operations.

2.5.1. NELAC Audit Results

The 2024 audit results for Eurofins Florida Keys Lab included a "acceptable" score in every category and a conclusion that "the laboratory's personnel, procedures, equipment, facilities, and quality system are in compliance with the requirements of FAC Rule 64E-1 and the 2016 TNI Standard." A copy of the complete review is available upon request. Likewise, the 2023 audit results for Eurofins Orlando Lab included an "acceptable" score in every applicable category and a conclusion that "The laboratory's personnel, procedures, equipment, facilities, and quality system are in compliance with the requirements of FAC Rule 64E-1 and the 2016 TNI Standard." A copy of the complete review is available upon request.

2.6 Number of Similar Water Quality Analyses Previously Performed

In 2024, the Eurofins Orlando lab completed 34,115 unique analyses of potable water samples and 156,754 analyses of non-potable water samples. In 2024, the Eurofins Florida Keys lab completed 171 unique analyses of potable water samples and 11,830 unique analyses of non-potable water samples. In 2024, EAI biologists performed in-situ data collection and/or grab sampling at various unique locations across Florida on more than 250 days during the year. In addition, continuous water quality data was collected using deployed sondes throughout the year.

Tab 3. References and Quality of Past Performance on Similar Projects

3.1. Examples of Similar Projects

Phase 1 East Fork Creek Stormwater Quality Improvement Project

Client: Martin County Public Works

Contact Name: Scott Tedford

Contact Address: 2401 SE Monterey Rd, Stuart, Florida 34996

Telephone: (772) 221-2380 **Email Address:** stedford@martin.fl.us

Consultant Cost: $56, 941.01 **Project Start/End Date:** January 2023 – October 2024

Project Description: EAI drafted the QAPP and sampling design, which included determining appropriate sampling locations, sampling frequency, methodologies, and equipment for monitoring water quality to meet the FDEP and the grant-funding requirements at the East Fork Creek Stormwater Treatment Area (STA) in Martin County. EAI assessed the effectiveness of the new STA in reducing nutrient loads received from the East Fork Creek tributary, including total nitrogen, total phosphorous, and total suspended solids. This effort was a critical component in helping Martin County meet total maximum daily load and Basin Management Action Plan requirements for the St. Lucie Estuary via FDEP Agreement Number NF110. EAI conducted 26 biweekly sampling events at three locations to monitor nutrient levels. Monitoring also included collecting in-situ data for water quality pa. EAI was responsible for the calibration and maintenance of the sondes units, grab sampling, and delivery to the lab within hold times.

Following completion of sampling, EAI analyzed the data and presented findings within a final report in accordance with FDEP guidelines. The report summarized the monitoring results using metrics and visual aids, such as graphs and tables, to compare the water quality data to the project's nutrient reduction goals. The data demonstrated improvements in water quality, with several key metrics meeting or exceeding the targets set by the project's goals. All deliverables were provided on-time and within budget.

St. Lucie Estuary Tributaries Water Quality Monitoring

Client: South Florida Water Management District

Contact Name: Kevin Nicholas (Previous) / James Brown (Current)

Contact Address: 3301 Gun Club Road, West Palm Beach, FL 33406

Telephone: (561) 686-8800 / (843) 333-1673

Email Address: knichol@sfwmd.gov / jabrown@sfwmd.gov

Consultant Cost: $123,675.00 **Project Start/End Date:** July 2023 – Current

Project Description: EAI was contracted by the SFWMD to collect surface water quality samples and field data associated with the St. Lucie Estuary Tributaries (SLT) project. The purpose of this sampling was to monitor the nutrient loads discharging from the surrounding tributaries to the St. Lucie Estuary. EAI conducted biweekly monitoring of 31 sampling stations throughout the

SLT in Martin and St. Lucie Counties. Monitoring and sampling efforts included collecting surface water quality grab samples, in-situ water quality readings, and documenting the presence/absence and direction of flow at each station. Water quality samples were collected for Nitrate-Nitrite (NOX), Ammonium (NH4), Orthophosphate (OPO4), TN, and TP. In-situ water quality parameters collected included dissolved oxygen, pH, specific conductivity, and temperature. Measurements and general sampling procedures were in accordance with FDEP SOP and the SFWMD Field Sampling Manual. EAI attended quarterly meetings and prepared quarterly reports summarizing monitoring efforts.

EAI delivered reliable and defensible water quality samples, field data, and reports. EAI mobilized quickly to meet SFWMD's sampling schedule and coordinated with the SFWMD to implement a sampling route that increased efficiency for daily sampling efforts. EAI's monitoring efforts of the SLT provided qualitative and quantitative data to the SFWMD which aide the SFWMD and the State of Florida in future water quality decisions.

Florida Power & Light Turkey Point Units 3 & 4 Uprate Project

Client: Stantec

Contact Name: Jim Bolleter

Contact Address: 12300 South Shore Blvd., Suite 222, Wellington, Florida 33414

Telephone: (561) 793-3849 ext. 4001 **Email Address:** jim.bolleter@stantec.com

Consultant Cost: $180,000.00/year **Project Start/End Date:** 2010 – Current

Project Description: EAI conducts semi-annual ecological monitoring in support of the Turkey Point Nuclear Power Plant for four study areas, with three adjacent to the Cooling Canal System in Biscayne Bay and Card Sound and one reference site in Barnes Sound. At each of the 64 sampling points, porewater is extracted and specific conductance measured with a sonde. Porewater temperature is measured in-situ and samples are collected and analyzed for sodium, chloride, phosphorus, TKN, un-ionized ammonia, nitrite+nitrate as N, ortho-phosphate as P, and tritium. Surface water quality measurements are recorded for dissolved oxygen, salinity, specific conductance, pH, turbidity, and oxygen reduction potential. Light attenuation is measured at a single sampling point along each transect. Additionally, *Thalassia testudinum* leaf samples are collected and analyzed for nutrients in the laboratory.

A qualitative characterization of benthic conditions surrounding each sampling point is made by a diver at the beginning of each SAV survey. Four quarter-meter quadrats are deployed around the sampling point, and the SAV within each of the quadrats is examined. Percent cover is determined using the Braun-Blanquet Cover Abundance (BBCA) Index methodology. Sediment depth is considered an important variable in determining the relative abundance of seagrasses. Within each scored quadrat, a rod was inserted into the substrate near the four corners and in the middle to determine depth of refusal (i.e. underlying hardbottom). The data were compiled, analyzed, and incorporated into semi-annual and annual reports that included comparisons to previous events.

Monitoring Assessment of Fort Lauderdale Waterways

Client: City of Fort Lauderdale

Contact Name: Todd Hiteshew

Telephone: (954) 828-7807 **Email Address:** thiteshew@fortlauderdale.gov

Consultant Cost: $75,000.00 **Project Start/End Date:** October 2024 – Ongoing

Project Description: CED provides the City with a comprehensive, third-party review of the City's land use, water management, and surface water quality data over the past decade to identify and mitigate potential sources of surface water quality impacts. A review of the City's environmental initiatives and management strategies was conducted to identify areas where additional strategies could be enacted to assist in reducing non-point source contributions. Leveraging advanced statistical techniques, CED conducted a comprehensive Mann-Kendall trend analysis to assess long-term trends in water quality across the City's waterways. This non-parametric method detects subtle shifts in environmental conditions and compares results against established water quality standards with precision. Utilizing the result of the trend analysis, a thorough review of relevant GIS layers and aerial photographs, and observations made during a Walk the Watersheds field excursion, our technical experts developed targeted recommendations to optimize the City's water quality monitoring strategies. These include strategic modifications to the existing monitoring network, identification of future sampling locations, and expansion of data collection efforts to fill critical gaps.

Through rigorous analysis, the team was able to provide information pertaining to trends in the City's surface water quality and to identify key sources of impairment. The project also highlighted the City's commitment to water quality improvement and the success of the robust mitigation measures that have been enacted including extensive sewer system upgrades, the development of the Watershed Asset Management Plan (WAMP) to guide stormwater infrastructure improvements, and public education initiatives aimed at reducing non-point source pollution.

3.2. References for Former Clients

To address our past performance on similar projects, EAI prepared a survey for Project Managers from Martin County and the Indian River Mosquito Control District (IRMCD). Their responses and contact details are included below. In addition, EAI received a formal Contractor Performance Evaluation from the SFWMD for services provided on the SLT Monitoring project in 2024. That evaluation is included below to demonstrate the quality of our past performance.

Survey Response #1. Scott Tedford, Martin County

1. Which water quality services has EAI provided to your organization?

Managing water quality data, QAQC of water quality data, collecting environmental samples in accordance with FDEP SOPs, deploying water quality equipment and collecting data, conducting surface water sampling, maintaining and calibrating field meters that measure dissolved oxygen, pH, temperature, specific conductance, and salinity, contracting with

suitable laboratories to analyze collected data, developing water quality sampling quality assurance protection plans, conducting community outreach and supporting engagement, other scientific support services.

2. How satisfied were you with the overall level of service from EAI for projects under your supervision? *Very Satisfied*

3. Based on your experience working directly with EAI on projects with a similar scope of work as the current proposal for the City of Key West, were any services not completed to your satisfaction?

We count on EAI to provide a large range of services for Martin County, including many water quality projects. We've found EAI to continually go above and beyond. Staff are knowledgeable, professional, very responsive, and always provide quality deliverables on time.

4. Please share any other comments related to this request below.

I have no reservations recommending EAI for their water quality expertise.

Survey Response #2. Brandon Chadwick, Indian River County Mosquito Control District

1. Which water quality services has EAI provided to your organization?

Managing water quality data, deploying water quality equipment and collecting data, maintaining and calibrating field meters that measure dissolved oxygen, pH, temperature, specific conductance, and salinity.

2. How satisfied were you with the overall level of service from EAI for projects under your supervision? *Very satisfied.*

3. Based on your experience working directly with EAI on projects with a similar scope of work as the current proposal for the City of Key West, were any services not completed to your satisfaction?

During the Districts time working directly with EAI, there were no services that were not completed to our satisfaction. EAI has conducted their monthly sampling events and submit every report package in a timely manner. EAI has been completely open and transparent with the District. We have been invited out to attend sampling events and have been quick to answer any questions that we may have. The supplied report packages include a calibration report, the collected data from the performed event and a discussion on the recommendations that EAI has to improve the water quality. These discussions and recommendations are taken into account for future improvement plans for the individual testing sites.

4. Please share any other comments related to this request below.

Overall, working with EAI has been a delightful experience. Working with a team of professionals that promptly complete the proposed work in a professional and timely manner is a pleasure and a weight off my shoulders. All the completed work and transparency is appreciated.

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Contractor Performance Evaluation

Contract/Work Order No.	Contractor	Evaluation Period	
WO# 4600004769-WO1R1	The Transit Group, Inc. dbe Ecological Associates, Inc.	2/22/2024-11/22/2024	☐ Interim ☒ Final

Project Title	Project Description	Contract/Work Order Total
St. Lucie Estuary Tributaries (SLT) Monitoring	Biweekly if flowing sample collection and processing for 31 stations over a two-day period in the creeks and canals that are the tributaries of the St. Lucie Estuary in Martin and St. Lucie Counties.	~~$123,674.80~~ $115,274.50

Check the appropriate ratings for Lines 1 through 8.
Sum the individual ratings, by column, to produce the Individual Column Ratings on Line 9.
Sum the Individual Column Ratings in Line 9 to produce the Total Rating Score on Line 10.
Divide the Total Rating Score in Line 10 by the number 8 (the number of performance indicators in Lines 1-8) to produce the Average Rating Score in Line 11.

	Performance Indicators	Rating Unsatisfactory	Marginal	Satisfactory	Very Good	Exceptional
1.	Planning & Approach	☐ 1	☐ 2	☐ 3	☐ 4	☒ 5
2.	Staff Capability	☐ 1	☐ 2	☐ 3	☐ 4	☒ 5
3.	Staff Effectiveness	☐ 1	☐ 2	☐ 3	☐ 4	☒ 5
4.	Flexibility in Meeting District Goals	☐ 1	☐ 2	☐ 3	☐ 4	☒ 5
5.	Promptness of Deliverables/Milestones/Reports/Invoices	☐ 1	☐ 2	☐ 3	☐ 4	☒ 5
6.	Report Quality and Invoicing Procedure	☐ 1	☐ 2	☐ 3	☐ 4	☒ 5
7.	Quality of Work Completed	☐ 1	☐ 2	☐ 3	☐ 4	☒ 5
8.	Contract Under or at Budgeted Cost	☐ 1	☐ 2	☐ 3	☐ 4	☒ 5
9.	Individual Column Rating (Total lines 1-8.)					40
10.	Total Rating Score (Total row 9.)	40				

11.	Average Rating Score (Divide line 10 by the number 8.)	5

In Lines 12 through 21, provide any additional detail, as deemed necessary, to support the ratings given in Lines 1 through 8 as well as any additional comments regarding SBE utilization on Line 20. Additional space is available on Line 22 if needed.

12.	Current tasks completed and/or deliverables received? If no, reason:	☒ Yes ☐ No
13.	Current work completed ahead/on schedule? If no, number of days late: _____ and reason:	☒ Yes ☐ No
14.	Contract currently under/at budgeted cost? If not at bucget, specify amount over $ _____ and reason:	☒ Yes ☐ No
15.	Contractor strengths: Excellent communication with field project manager and contract manager; well prepared for sampling and quarterly meetings; very eager to do a good job; very thorough in terms of sampling, documentation, and equipment maintenance/upkeep.	
16.	Contractor weaknesses: None	
17.	Specific problems incurred*: None	
*Note:	Problems concerning loss of keys to District structures/controlled areas should be included in this section. Contact Amy Best for detailed history at extension 2864. Repeated loss of keys may lead to deeming a contractor as non-responsible in conjunction with future solicitations.	
18.	How may these have been preventec?	
19.	Additional comments/recommendations: A pleasure to work with, really appreciate all of the employees' hard work and dedication.	
20.	Comments on SBE utilization:	
21.	**Currently recommend firm for future contracts/work orders of this type? If "No" an explanation must be provided in Line 22 below.**	☒ **Yes** ☐ **No**

Project Manager (sign)	Date	Section Administrator (sign)	Date
Jessica Testa	04/07/2025	Linda Cream (Apr 7, 2025 22:30 EDT)	04/07/2025

22. Please indicate any additional comments corresponding to Performance Indicators (Lines 1-8) on Page 1 – explain marginal/unsatisfactory performance; **if "No" applies to Question 21, an explanation must be provided here.** Additional sheets may be attached if necessary.

Number	Remarks
#	
#	

CONTRACT MANAGEMENT/PROCUREMENT & SBE SECTION USE ONLY

Please indicate any additional comments corresponding to the numbered question on Page 1 and/or Page 2:

Number	Remarks
#	
#	

Evaluation Number/Score:	SBE Compliant:	Comments:
Running Average Score:	☒ Yes ☐ No	Firm is 100% SBE.

Procurement Representative (sign)	Date	SBE Representative (sign)	Date
	04/09/2025		4/9/2025

Tab 4. Project Approach – Ability to Meet Requirements

EAI has the expertise to evaluate concerns for water bodies and construct a sampling design that supports the goals of the program while using resources efficiently. CED has provided comprehensive reviews of historical data to identify trends and geographic hot spots, field verify source locations, and advise on public education, policy options, and programs to improve water quality and address bacteria concerns. EAI understands the project and its scope of services and goals as outlined by the City in this RFP and commits to remaining on the project until completion.

4.1 Project Approach by Task

Task 1. Review current relevant data across all GOCs and Identify Opportunities

EAI will review existing data to evaluate key pollutants of concern, especially bacteria, nutrients, turbidity, and petroleum-based contaminants in support of the Chapter 80 regulations. The data review will include time series reviews, geographic analysis and GIS imagery, and input from locals to gain local knowledge to generate a comprehensive status of the waterways. We will focus on data showing trends of increasing pollution or parameters that exceed standard values. The water quality data will also be reviewed for concerns related to shorelines, including coastal wetlands, corals, and mangroves, which face different challenges to open surface waters. Once these data are collected and reviewed, a summary will be drafted and presented in person to the City Commission to explain the key pollutant concerns and recommendations. This information will be geared for the citizens of Key West so that a broad audience can understand the current conditions and recommendations to capture the extent of pollutants.

Task 2. Identify Actions that may Mitigate Pollutants

Based on findings obtained during Task 1, EAI will prepare a list of potential actions which may mitigate the identified pollutants in the GOC. Where nutrients are a primary concern, EAI will consult Environmental Protection Agency (EPA), FDEP, and SFWMD resources for established methods for removing nutrient pollution and estimates for the removal magnitude over time. For example, for nutrient inputs from uplands, baffle boxes can be retrofitted into existing systems to reduce refuse and nutrient causing substances from reaching coastal waters. For pollutants addressed by Chapter 80 regulations, education campaigns can help residents, visitors, and corporations improve compliance with existing regulations in support of water quality; this was done for the City of Fort Lauderdale, among others, with success. We will consult the FDEP toolkit for Restoring Bacteria Impaired Waters to provide effective and established mitigation techniques. EAI and CED have extensive experience developing public outreach and educational outreach and resources to compliment the mitigation plans. For each proposed action, EAI will include a definition of the scope, associated estimated costs, and postulated effect on the pollutant. EAI will present in person the best viable actions for mitigating pollutants to the City Commission for their review and prioritization.

Task 3. Design Water Quality Monitoring Programs

Based on findings from Tasks 1 and 2, EAI will design a comprehensive water quality monitoring program (Program) outlining sampling scenarios, monitoring goals, and estimated costs to present to the City Commission. The Program will combine continuous monitoring, grab samples, and in-situ water quality readings to assess nutrients, pollutants, and bacteria. EAI can install continuous monitoring equipment at existing structures or in buoys where it is safe and permitted, ideally near the harbor and shipping channels. Grab samples will be collected from truck accessible sites using wading methods and scheduled so to meet bacteria testing hold times. Autosampler units may be incorporated into the design to capture storm events and their potential impact on water quality, bacteria levels, and other pollutants.

Site selection prioritizes areas that are representative, consistently accessible, and safe. Locations near high public use areas and sensitive natural areas will be included to support targeted mitigation actions. A field reconnaissance will confirm legal access, representative site conditions, and year-round sampling suitability. Sampling goals will be specific, measurable, and focused on evaluating the effectiveness of the mitigation actions and tracking water conditions throughout the City. Costing will be estimated using quotes from Eurofins and LuminUltra and the final analysis selected for the program. Equipment, staff, and material costs will be based on existing project experience and efficient scheduling.

Task 4. Increase Availability of Recent Beach Reports

To expand beach water quality data, the City plans to increase sampling frequency to weekly. EAI understands that FDOH samples every other week by direct grabs while wading at six specific beach locations (Smathers Beach, Rest Beach, Fort Zachary Taylor beach, Higgs Beach, Dog beach, and South Beach). EAI will confirm FDOH's sampling locations and timing so the data are comparable. Tommy Cross of Eurofins will collect weekly samples for enterococci. If a beach tests high for enterococci, follow up testing for human DNA (by LuminUltra) will be conducted the following week. EAI has verified analysis hold and drop-off times with Eurofins to ensure timely processing. EAI will promptly share results with the City, highlighting areas of concern based on the FDOH beach water quality categories. Costing for Task 4 is presented in Tab 6. EAI can add testing for pharmaceutical and personal care products to clearly identify human source for bacteria as an added value option should that level of confidence be needed.

Task 5. Increase Community Knowledge of Data/ Beach Report Implications

With the increase in data resolution resulting from Task 4 sampling, EAI will evaluate and summarize geographic and seasonal trends in data for the Task 4 beaches. EAI will use data processing and GIS tools to review, visualize, and summarize data trends at these beaches. Based on those summaries, EAI will help devise educational messages for visitors and swimmers to increase awareness and understanding of swimming risks associated with water quality conditions. This includes assisting the City with the design and creation of visual aids for the Water Quality Categories to increase accessibility for a broader audience.

Task 6. Assist with Design of New Beach Water Quality Monitoring Plan

Based on the findings and feedback collected during Tasks 1-5, EAI will collaborate with the City's Water Quality Improvement Plan members and other technical experts to design an updated beach water quality monitoring plan. Depending on the City's concerns, priorities, and data trends, additional sampling locations and/or updated frequencies may better support safe public use of beaches and identify additional areas of concern to incorporate into the updated beach water quality monitoring plan. Efforts will focus on balancing costs and benefits of additional sampling by prioritizing beaches with high visibility and/or high public use as well as coordinating sampling efforts with FDOH and other stakeholders. Additional tests, such as pharmaceutical and personal care products, can be added to the design to more precisely determine the source of human bacteria findings.

4.2. Proposed Operations Plan

4.2.1. Staffing assignment

EAI's assigned project lead is Michelle Luce, a senior scientist with over 10 years of experience in environmental monitoring, data collection, data QAQC, and project management. Sampling staff are included in the table below. Two support staff will collect data when a boat is used and one support staff will collect data for truck-accessible locations without other safety concerns. Each station will be fully processed, including preserving samples, documenting notes, and other field tasks, prior to advancing to additional scheduled sites.

Staff	Role	Primary/Back-up	Time Available (Hours/Week)
Michelle Luce	Project Lead	Primary	8
Carrie Scarola	QAQC	Primary	6
Danielle Zugelter	Field Support	Primary	10
Joseph Penta	Field Support	Primary	11
Max Toebe	Field Support	Back-up	8
Danielle Koehler	Field Support	Back-up	11
Lori Coolidge	Subject Matter Expert	Primary	20
Tommy Cross	Laboratory Analysis	Primary	12
Cynthia LaRosa	Laboratory QAQC	Primary	6

4.2.2. Scheduling

Sampling stations from Task 2 will be scheduled to allow same-day collection along each waterbody, moving downstream to upstream based on tidal flow or contamination levels. Daily schedules will start shortly after sunrise to maximize sampling hours without compromising safety. To meet hold times detailed in the Scope of Work, sampling will occur Monday through Thursday, excluding federal holidays or lab closures. EAI confirms the lab availability in advance to ensure timely sample collection and processing. Continuous monitoring stations will be serviced monthly unless site conditions allow for a less intensive maintenance schedule. Field

schedules for continuous station maintenance and grab sampling will be planned quarterly and shared with the City one quarter ahead.

4.2.3. Plan for unfavorable sampling conditions

EAI has experienced backup staff and equipment in case of illness, equipment failure or other unforeseen circumstances. If access, weather, or other obstacles disrupt sampling, EAI will promptly notify the City and propose a solution, such as rescheduling. Sampling efforts will be rescheduled for the next available field date (excluding Fridays, weekends, and federal holidays), ideally within the following week, weather permitting. If poor weather is forecasted sampling may be advanced by a few days to avoid delays. Continuous stations will remain deployed through storm events when safe to do so.

4.2.4. Field data entry, QA, & correction

EAI reviews data forms for completeness and enters them into an Excel database within 48 hours of data collection and verifies within another 48. Eurofins ensures lab results are accurate before issuing reports. EAI then reviews the results, confirms qualifier codes are noted, and consults with Eurofins or QA staff to determine if corrective actions are required. Any issues are promptly resolved and communicated to the City. Beach sampling data will be provided to the City upon receipt, while water quality results will be submitted quarterly to the Watershed Information Network (WIN) or other data system the City requires. EAI can create compatible upload files for database uploads and performs final QAQC before submission.

4.3. Project Management

4.3.1. Management and communication methods

EAI will keep the City informed of the progress on each task and coordinate with the City for presenting information for Tasks 1-3. This may include emails, meetings, or calls to coordinate information and resolve any questions.

4.3.2. QAQC Methods

EAI maintains a comprehensive Quality Manual according to FDEP SOP requirements, a full copy of which is available upon request. EAI conducts Internal audits on projects for documentation and for staff every two years to ensure all best practices are consistently applied. Training logs for staff that have been approved to complete water quality sampling activities are also available upon request from the City of Key West.

4.3.3. Valid Quality Plan

Eurofins Environment Testing can complete all requested analyses according to the methods described in the Florida Keys Reasonable Assurance Document and as shown in Section 2.2.7. EAI and Eurofins can complete all discrete field measurements with deployed multiparameter sondes and complete grab samples according to the FDEP SOPs.

4.3.4. Subcontractor Documentation

Eurofins Orlando and Eurofins Florida Keys are both accredited labs and their accreditation certificate and scope of accreditation are available upon request.

4.3.5. Equipment

EAI owns and maintains multiple sondes for multiparameter in-situ data and a variety of supporting sampling equipment. The EAI lab maintains sufficient standards for all projects and tracks solution usage to ensure timely replacments. EAI also has the required safety equipment, such as waders and life jackets, for sampling in and around water. A list of key equipment that EAI owns and maintains in good working condition is provided below.

Equipment	Qty	Equipment	Qty	Equipment	Qty
YSI ProDSS (sonde)	6	Drone	1	DI Water Containers	5
YSI Exo2 (sonde)	7	Autosamplers	2	Peristaltic Pump	1
Trucks	17	GPS	3	Turbidity Meters	3
DI Water Containers	5	Underwater Cameras	3	Substrate Sampler	20
Power Boats	3	Scuba Tanks	9	Kayak/Jon Boat	2
Secchi Discs	3	Scuba Gear	2	ATVs/RTVs	12
Niskin Sampler	4	Snorkel Gear	2	Microscopes	5
Swing Sampler	6	PAR Sensors	2	Dip Nets	4

Tab 5. Other Information

5.1. Value Added Option(s)

EAI is experienced with setting up continuous monitoring stations as deployed stations or on telemetry. On telemetry, the City can have real-time data for any station in the network. Strategically placed stations for continuous water quality data have the potential to greatly improve the quantity, quality, and accessibility of data available to the City. EAI has authorized drone pilots that can quickly mobilize to collect aerial imagery of algal blooms to show the extent of bloom events. This can be combined with ad-hoc sampling of bloom conditions to determine the species composition. For storm-specific monitoring, EAI can install autosamplers at key inputs to sensitive coastal areas and automatically collect water quality samples after storm events. Additional beach sampling for acetaminophen and other pharmaceutical and personal care product tests can be added to MST testing to more precisely determine human source of the bacteria samples.

If additional resource surveys are needed, EAI's experienced staff can conduct benthic assessments for seagrass, submerged aquatic vegetation, coral, queen conch, sponge, and oyster in accordance with corresponding FDEP, U.S. Army Corps of Engineers (USACE), Florida Fish and Wildlife Conservation Commission (FWC), and National Oceanographic and Atmospheric Administration (NOAA) protocols. EAI has successfully completed seagrass restoration and has staff capable of conducting coral restoration.

5.2. Familiarity with the City of Key West

EAI is experienced working in marine and estuarine tidal project areas, including providing onsite monitoring for drilling operations in Islamorada, FL. During construction, EAI monitored the channel hourly for signs of drilling fluids. EAI's work within Biscayne Bay over the last 15 years has also included marine water quality sampling as part of the scope.

5.3. Clients in USA, FL, SE FL, and City of Key West

EAI has long-standing contracts with Martin, St. Lucie, Indian River, Brevard, and Volusia Counties as well as several local municipalities and government agencies, including IRMCD, and SFWMD and CED has long-standing projects with multiple Florida cities. EAI also has long-standing contracts with private clients including Florida Power & Light Company. In 2023, EAI completed benthic surveys pursuant to the "Florida Keys National Marine Sanctuary Resource Assessment Survey Protocols for Nearshore Construction Projects" in Snake Creek and Tavernier Creek for Environmental Science Associates. EAI has no current projects or clients that may be affected by work on the proposed contract and have no potential conflict of interest.

5.4. Proposed Contract Deviations

EAI does not propose any contract deviations.

Tab 6. Cost Effectiveness

To achieve the greatest cost savings for the City of Key West, Eurofins Florida Keys will conduct sampling for Task 4 and EAI will coordinate with the City, Eurofins, and FDOH. The cost per sample for the beach sampling is $227.40 with six enterococci samples collected each week for 52 weeks of the year. When a beach tests high for enterococci, the following week staff will also sample and test for human DNA (by LuminUltra) to determine the potential source. Costing is provided for two MST tests per four weeks; this cost is prorated into the cost per sample listed above.

EAI will leverage experts in GIS, water quality data analysis, and bacteriological reviews to maximize efficient use of time to complete tasking. Junior staff will help organize and review data so senior staff can conduct analyses for trends. GIS tools will be utilized to facilitate geographic analyses to quickly identify pollutant and nutrient hot spots.

A summary of the costs for one year of the work requested in the RFP are included in the following table, including travel and lab expenses.

Task 1: Data Review & Recommendations	$18,350.25
Task 2: Pollutant Mitigation Recommendations	$12,980.25
Task 3: Water Quality Program Design	$24,570.50
Task 4. Sampling Visit (Year)	$70,947.50
Task 5: Community Outreach for Beach Reports	$9,290.00
Task 6: Support for New Beach WQ Monitoring Plan	$7,975.00
Total (Year 1)	**$144,113.50**

Tab 7. Project Schedule and Deliverables

EAI anticipates that some tasks may be executed concurrently. The deliverables schedule for each task is detailed in the table below. Comparative cost and the goals for the sampling efforts will be presented to the City for review during the planning process. Provided there are no delays in feedback and prioritization, these tasks are expected to finish (Tasks 1-3, 5) or commence within the first contract year (Tasks 4 and 6 have ongoing support).

Task	Deliverable	Schedule
1	Water Quality Pollutant Summary and Design Recommendation Presentation	12 weeks from Notice to Proceed
2	Recommended Actions to Mitigate Pollutant Presentation	12 weeks from City's decision(s) for Task 1
3	Water Quality Monitoring Program Presentation	12 weeks from City's decision(s) for Task 2
4	Weekly Beach Sample Results	1 business day after receipt from lab
5	Summary Report of Beach Water Quality Data	8 weeks from start of Task 2*
6	Design Recommendations for Detailed Beach Monitoring Plan	8 weeks from completion of Task 5*

* *Support will continue to the end of the contract year for these Tasks.*

Key deliverables that will be scheduled in advance with thet City include presentations to the City for Tasks 1, 2, and 3 and sampling results for Task 4. Presentations will be scheduled according the City's schedule and are planned in-person. Sampling results will be provided to the City upon receipt from the lab. Where bacteria samples are high per the DOH, EAI will plan to collect MST and acetomeniphen samples for further understanding of the results. Those results will also be shared with the City once they are received from the labs. In addition, EAI will provide a summary report of the beach water quality data and provide ongoing design recommendations for a more detailed beach monitoring plan.

Tab 8. Litigation

EAI's co-presidents, Niki Desjardin and Jimmy Sellers, have worked at EAI for 20 years and 7 years, respectively, and have served as co-presidents since March 2022. EAI previously operated under the company name The Transit Group, Inc. d/b/a Ecological Associates, Inc, from 2015-2024 and operated under the name Ecological Associates, Inc from 1994-2015. EAI has provided the services described in this RFP since 1994 when the company was founded.

8a. EAI has never failed to complete work or provide goods for which we were contracted.

8b. EAI has no ongoing litigations, judgement, claims, or arbitration proceedings or suits pending or outstanding.

8c. EAI has not been party to any lawsuit, arbitration, or mediation with regard to a contract for services, goods, or construction services similar to those requested in the RFP.

8d. EAI has not initiated litigation against the City or been sued by the City in connection with a contract to provide services, goods, or construction services.

8e. In the last five (5) years, no owner, partner, or controlling shareholder failed to perform services or furnish goods similar to those requested in the RFP.

8f. EAI customer references and contact information is included under Tab 3 of this proposal.

8g-h. EAI credit references and financial statements for the past 3 years.

Credit References

1. iThink Financial Credit Union, Ben Maffett, SBA and Commercial Sales Manager, (772) 257-7107, bmaffett@ithinkfi.org
    a. Primary company bank accounts held at iThink and in good standing.
    b. Company SBA loans held at iThink and all payments current.
2. Truist Bank, Jensen Beach Branch, (772) 334-4500
    a. Secondary company bank accounts held at Truist and in good standing.
3. American Express, Business Credit Card, (833) 698-2567
    a. Primary credit card used by company/employees.
    b. ~$30,000 average monthly spending.
    c. Statement balance paid every month.

Financial Statements (3 years)

2022 EAI Balance Sheet
2022 EAI Profit & Loss
2023 EAI Balance Sheet
2023 EAI Profit & Loss
2024 EAI Balance Sheet
2024 EAI Profit & Loss

Ecological Associates, Inc.
Basis: Cash
Print accounts with activity

Friday, April 11, 2025

Date Range from: 1/1/2022 to 12/31/2022

Assets

Current Asset		
Cash	656,767.88	
Other Current Assets	1,132,066.87	
Receivables	-275.94	
Total Current Asset		1,788,558.81
Non-Current Asset		
Equipment	273,735.17	
Building	68,448.01	
Other Noncurrent Assets	-960,226.15	
Capital assets	543,975.53	
Total Non-Current Asset		-74,067.44
Total Assets		**$ 1,714,491.37**

Ecological Associates, Inc.
Basis: Cash
Print accounts with activity

Friday, April 11, 2025

Date Range from: 1/1/2022 to 12/31/2022

Liabilities and Equity

Current Liability		
Credit Card	-15,076.31	
Current Payables	25,581.45	
Other Current Assets	-13,143.52	
Payroll Liabilities	-10,110.37	
Total Current Liability		-12,748.75
Non-Current Liability		
Noncurrent Liabilities	157,589.82	
Total Non-Current Liability		157,589.82
Equity		
Desjardin Equity	393,296.66	
Total Equity		393,296.66
Retained Earnings		
Equity	391,014.88	
Net Income	785,338.76	
Total Retained Earnings		1,176,353.64
Total Liabilities and Equity		**$ 1,714,491.37**

Profit and Loss Statement

Ecological Associates, Inc.
Basis: Cash
Print accounts with activity

Friday, April 11, 2025

Date Range from: 1/1/2022 to 12/31/2022

	Current Month
Income	
Operating Income	3,542,576
Other Current Assets	800
Other Income	1,982,022
Professional Services Revenues	-566
Professional Services Write-offs	92,048
Total Income	**5,616,880**
Cost Of Sales	
Billable Cost	
Billable Cost of Services	2,586,183
Total Billable Cost	**2,586,183**
Nonbillable Cost	
Nonbillable Cost of Services	326,617
Total Nonbillable Cost	**326,617**
Total Cost Of Sales	**2,912,800**
Gross Margin	**2,704,080**
Expenses	
Advertising/Marketing	25,064
ATV / Trailer Expense	6,104
Vehicle Expenses	129,384
Boat Expenses	22,625
Charitable Contributions	1,750
Computer Operations	104,229
Field/Scientific Activities	72,787
Human Resources	23,934
Indirect Labor Cost	993,377
Insurance	126,247
Miscellaneous	-41
Office/Facility Operations	227,306
Other Expenses	231,458
Payroll Expenses	203,101
Payroll Taxes	175,076
Professional Associations	1,765
Professional Fees	9,027
Service Charges and Fees	3,837
Shipping/Handling	5,552
Sub-Contracted Services	4
Taxes	51,383
Travel & Ent	13,317
Utilities	59,819
Total Expenses	**2,487,104**
Net Operating Income	**216,976**
Other Income	
Other Income	568,363

Ecological Associates, Inc.
Basis: Cash
Print accounts with activity

Friday, April 11, 2025

Date Range from: 1/1/2022 to 12/31/2022

	Current Month
Total Other Income	**568,363**
Net Income (Loss)	**785,339**

Ecological Associates, Inc.
Basis: Cash
Print accounts with activity

Friday, April 11, 2025

Date Range from: 1/1/2023 to 12/31/2023

Assets

Current Asset		
Cash	693,839.07	
Other Current Assets	1,158,542.37	
Receivables	-275.94	
Total Current Asset		1,852,105.50
Non-Current Asset		
Equipment	273,735.17	
Building	68,448.01	
Other Noncurrent Assets	-1,156,971.15	
Capital assets	533,793.21	
Total Non-Current Asset		-280,994.76
Total Assets		**$ 1,571,110.74**

Ecological Associates, Inc.
Basis: Cash
Print accounts with activity

Friday, April 11, 2025

Date Range from: 1/1/2023 to 12/31/2023

Liabilities and Equity

Current Liability		
Credit Card	-15,076.31	
Current Payables	-108,530.98	
Other Current Assets	-13,143.52	
Payroll Liabilities	-8,810.82	
Total Current Liability		-145,561.63
Non-Current Liability		
Noncurrent Liabilities	149,900.00	
Total Non-Current Liability		149,900.00
Equity		
Desjardin Equity	393,296.66	
Total Equity		393,296.66
Retained Earnings		
Equity	972,644.64	
Net Income	200,831.07	
Total Retained Earnings		1,173,475.71
Total Liabilities and Equity		**$ 1,571,110.74**

Profit and Loss Statement

Ecological Associates, Inc.
Basis: Cash
Print accounts with activity

Friday, April 11, 2025

Date Range from: 1/1/2023 to 12/31/2023

	Current Month
Income	
Operating Income	3,779,640
Other Current Assets	218
Other Income	835,390
Professional Services Revenues	-20,971
Professional Services Write-offs	59,426
Total Income	**4,653,702**
Cost Of Sales	
Billable Cost	
Billable Cost of Services	1,531,261
Total Billable Cost	**1,531,261**
Nonbillable Cost	
Nonbillable Cost of Services	245,580
Total Nonbillable Cost	**245,580**
Total Cost Of Sales	**1,776,841**
Gross Margin	**2,876,861**
Expenses	
Advertising/Marketing	21,632
ATV / Trailer Expense	5,286
Vehicle Expenses	85,427
Boat Expenses	7,034
Charitable Contributions	4,100
Computer Operations	137,165
Field/Scientific Activities	96,609
Human Resources	28,335
Indirect Labor Cost	1,191,215
Insurance	167,985
Miscellaneous	-375
Office/Facility Operations	161,637
Other Expenses	5,872
Payroll Expenses	238,989
Payroll Taxes	181,527
Professional Associations	2,647
Professional Fees	8,339
Service Charges and Fees	2,771
Shipping/Handling	1,706
Sub-Contracted Services	351
Taxes	249,600
Travel & Ent	24,551
Utilities	54,911
Total Expenses	**2,677,313**
Net Operating Income	**199,548**
Other Income	
Other Income	1,283

Ecological Associates, Inc.
Basis: Cash
Print accounts with activity

Friday, April 11, 2025

Date Range from: 1/1/2023 to 12/31/2023

	Current Month
Total Other Income	**1,283**
Net Income (Loss)	**200,831**

Ecological Associates, Inc.
Basis: Cash
Print accounts with activity

Friday, April 11, 2025

Date Range from: 1/1/2024 to 12/31/2024

Assets

Current Asset		
Cash	758,778.82	
Other Current Assets	1,158,542.37	
Receivables	-275.99	
Work In Progress	6,043.14	
Total Current Asset		1,923,088.34
Non-Current Asset		
Equipment	273,735.17	
Building	68,448.01	
Other Noncurrent Assets	-1,302,871.15	
Capital assets	606,299.71	
Total Non-Current Asset		-354,388.26
Total Assets		**$ 1,568,700.08**

Ecological Associates, Inc.
Basis: Cash
Print accounts with activity

Friday, April 11, 2025

Date Range from: 1/1/2024 to 12/31/2024

Liabilities and Equity

Current Liability		
Credit Card	-5,900.75	
Current Payables	-118,176.83	
Other Current Assets	-12,804.31	
Payroll Liabilities	7,537.00	
Total Current Liability		-129,344.89
Non-Current Liability		
Noncurrent Liabilities	-43,163.47	
Total Non-Current Liability		-43,163.47
Equity		
Desjardin Equity	393,296.66	
Total Equity		393,296.66
Retained Earnings		
Equity	1,173,475.71	
Net Income	174,436.07	
Total Retained Earnings		1,347,911.78
Total Liabilities and Equity		**$ 1,568,700.08**

Profit and Loss Statement

Ecological Associates, Inc.
Basis: Cash
Print accounts with activity

Friday, April 11, 2025

Date Range from: 1/1/2024 to 12/31/2024

	Current Month
Income	
Operating Income	4,214,134
Other Current Assets	18,188
Other Income	1,079,061
Total Income	**5,311,383**
Cost Of Sales	
Billable Cost	
Billable Cost of Services	1,909,219
Total Billable Cost	**1,909,219**
Nonbillable Cost	
Nonbillable Cost of Services	185,972
Total Nonbillable Cost	**185,972**
Total Cost Of Sales	**2,095,191**
Gross Margin	**3,216,193**
Expenses	
Advertising/Marketing	29,844
ATV / Trailer Expense	3,898
Vehicle Expenses	139,315
Boat Expenses	7,485
Charitable Contributions	2,250
Computer Operations	117,190
Field/Scientific Activities	114,353
Human Resources	27,070
Indirect Labor Cost	1,231,001
Insurance	340,458
Miscellaneous	-35
Office/Facility Operations	149,775
Other Expenses	247,281
Payroll Expenses	245,497
Payroll Taxes	197,053
Professional Associations	350
Professional Fees	12,575
Service Charges and Fees	3,109
Shipping/Handling	1,740
Taxes	92,324
Travel & Ent	25,758
Utilities	59,240
Total Expenses	**3,047,533**
Net Operating Income	**168,660**
Other Income	
Other Income	5,776
Total Other Income	**5,776**
Net Income (Loss)	**174,436**

Tab 9. City Forms

Anti-kickback Form

Florida Statement under Section 287.133(3)(A) Florida Statutes, On Public Entity Crimes

City of Key West Indemnification Form

Equal Benefits for Domestic Partners Affidavit

Cone of Silence Affidavit

Non-Collusion Affidavit

The City of Key West E-Verify Affidavit

Affidavit Attesting to Noncoercive Conduct for Labor or Services

Vendor Certification Regarding Scrutinized Companies List

ANTI-KICKBACK AFFIDAVIT

STATE OF Florida)

: SS

COUNTY OF Martin)

I, the undersigned hereby duly sworn, depose and say that no portion of the sum herein bid will be paid to any employees of the City of Key West as a commission, kickback, reward or gift, directly or indirectly by me or any member of my firm or by an officer of the corporation.

By: _____

Sworn and subscribed before me this 2nd day of September 2025.

Elizabeth A. Reilly
NOTARY PUBLIC, State of Florida at Large

NOTARY PUBLIC STATE OF FLORIDA

ELIZABETH A. REILLY
Commission # HH 476355
Expires April 26, 2028

My Commission Expires: 04/26/2028

SWORN STATEMENT UNDER SECTION 287.133(3)(A) FLORIDA STATUTES, ON PUBLIC ENTITY CRIMES

THIS FORM MUST BE SIGNED IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICER AUTHORIZED TO ADMINISTER OATHS.

1. This sworn statement is submitted with Bid or Proposal for City of Key West

RFP #25-020 Re-Bid: Water Quality Monitoring Program

2. This sworn statement is submitted by Ecological Associates, Inc.
(name of entity submitting sworn statement)

whose business address is

3552 NE Candice Avenue, Jensen Beach, Florida, 34957

and (if applicable) its Federal Employer Identification Number (FEIN) is

32-0764920

(If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement

3. My name is James Sellers
(please print name of individual signing)

and my relationship to the entity named above is Co-President

4. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including but not limited to, any bid or contract for goods or services to be provided to any public or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, material misrepresentation.

5. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication guilt, in any federal or state trial court of record relating to charges brought by indictment information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

6. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means

   1. A predecessor or successor of a person convicted of a public entity crime; or

   2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

7. I understand that a "person" as defined in Paragraph 287.133(1)(8), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.

8. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. (Please indicate which statement applies).

   ✓ Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, nor any affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989, AND (Please indicate which additional statement applies.)

   _____ There has been a proceeding concerning the conviction before a hearing of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer did not place the person or affiliate on the convicted vendor list. (Please attach a copy of the final order.)

   _____ The person or affiliate was placed on the convicted vendor list. There has been a subsequent proceeding before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer determined that it was in the public interest to remove the person or

affiliate from the convicted vendor list. (Please attach a copy of the final order.)

_____The person or affiliate has not been put on the convicted vendor list. (Please describe any action taken by or pending with the Department of General Services.)

(signature)

September 2, 2025
(date)

STATE OF Florida

COUNTY OF Martin

PERSONALLY APPEARED BEFORE ME, the undersigned authority,

James Sellers who, after first being sworn by me, affixed his/her
(name of individual signing)

signature in the space provided above on this 2nd day of September, 20 25.

My commission expires: 04/26/2028

NOTARY PUBLIC

ELIZABETH A. REILLY
Commission # HH 476355
Expires April 26, 2028

CITY OF KEY WEST INDEMNIFICATION FORM

To the fullest extent permitted by law, the Consultant expressly agrees to indemnify and hold harmless the City of Key West, their officers, directors, agents and employees *(herein called the "indemnitees") from liabilities, damages, losses and costs, including but not limited to, reasonable attorney's fees and court costs, such legal expenses to include costs incurred in establishing the indemnification and other rights agreed to in this Paragraph, to persons or property, to the extent caused by the negligence, recklessness, or intentional wrongful misconduct of the Consultant, its Subcontractors or persons employed or utilized by them in the performance of the Contract. Claims by indemnitees for indemnification shall be limited to the amount of Consultant's insurance or $1 million per occurrence, whichever is greater. The parties acknowledge that the amount of the indemnity required hereunder bears a reasonable commercial relationship to the Contract and it is part of the project specifications or the bid documents, if any.

The indemnification obligations under the Contract shall not be restricted in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for the Consultant under Workers' Compensation acts, disability benefits acts, or other employee benefits acts, and shall extend to and include any actions brought by or in the name of any employee of the Consultant or of any third party to whom Consultant may subcontract a part or all of the Work. This indemnification shall continue beyond the date of completion of the work.

CONSULTANT: 3552 NE Candice Avenue, Jensen Beach, Florida, 34957 SEAL:

Address

Signature

James Sellers

Print Name

Co-President & Director of Business Development & Finance

Title

DATE: September 2, 2025

EQUAL BENEFITS FOR DOMESTIC PARTNERS AFFIDAVIT

STATE OF Florida)

: SS

COUNTY OF Martin)

I, the undersigned hereby duly sworn, depose and say that the firm of _____

Ecological Associates, Inc.

provides benefits to domestic partners of its employees on the same basis as it provides benefits to employees' spouses, per City of Key West Code of Ordinances Sec. 2-799.

By: _____

Sworn and subscribed before me this 2nd day of September 20 25.

Elizabeth A. Reilly

NOTARY PUBLIC, State of Florida at Large

NOTARY PUBLIC STATE OF FLORIDA

ELIZABETH A. REILLY
Commission # HH 476355
Expires April 26, 2028

My Commission Expires: 04/26/2028

CONE OF SILENCE AFFIDAVIT

STATE OF Florida)

: SS

COUNTY OF Martin)

I, the undersigned hereby duly sworn, depose and say that all owner(s), partners, officers, directors, employees and agents representing the firm of Ecological Associates, Inc. have read and understand the limitations and procedures regarding communications concerning City of Key West Code of Ordinances Sec. 2-773 Cone of Silence.

By: _____

Sworn and subscribed before me this

2nd day of September 20 25.

Elizabeth A. Reilly

NOTARY PUBLIC, State of Florida at Large

ELIZABETH A. REILLY
Commission # HH 476355
Expires April 26, 2028

My Commission Expires: 04/26/2028

NON-COLLUSION AFFIDAVIT

STATE OF FLORIDA)

:

SS COUNTY OF ~~MONROE~~ Martin)

I, the undersigned hereby declares that the only persons or parties interested in this Proposal are those named herein, that this proposal is, in all respects, fair and without fraud, that it is made without collusion with any official of the Owner, and that the Proposal is made without any connection or collusion with any person submitting another Proposal on this Contract.

By: _____

Sworn and subscribed before me this

2nd day of September, 2025

Elizabeth A Reilly
NOTARY PUBLIC, State of Florida at Large

ELIZABETH A. REILLY
Commission # HH 476355
Expires April 26, 2028

My Commission Expires: 04/26/2028

THE CITY OF KEY WEST E-VERIFY AFFIDAVIT

Beginning January 1, 2021, Florida law requires all contractors doing business with The City of Key West to register with and use the E-Verify System in order to verify the work authorization status of all newly hired employees. The City of Key West requires all vendors who are awarded contracts with the City to verify employee eligibility using the E-Verify System. As before, vendors are also required to maintain all I-9 Forms of their employees for the duration of the contract term. To enroll in the E-Verify System, vendors should visit the E-Verify Website located at www.e-verify.gov.

In accordance with Florida Statute § 448.095, **it is the responsibility of the Awarded Vendor to ensure compliance with all applicable E-Verify requirements.**

By executing this affidavit, the undersigned contractor verifies it compliance with Florida Statute § 448.095, stating affirmatively that the individual, firm, or corporation which is engaged in the performance of services on behalf of the City of Key West, has registered with, is authorized to use, and uses the U.S. Department of Homeland Security's E-Verify system.

Furthermore, the undersigned contractor agrees that it will continue to use E-Verify throughout the contract period, and should it employ or contract with any subcontractor(s) in connection with the performance of services pursuant to this Agreement with The City of Key West, contractor will secure from such subcontractor(s) similar verification of compliance with Florida Statute § 448.095, by requiring the subcontractor(s) to provide an affidavit attesting that the subcontractor does not employ, or subcontract with, an unauthorized alien. Contractor further agrees to maintain records of such compliance during the duration of the Agreement and provide a copy of each such verification to The City of Key West within five (5) business days of receipt.

Failure to comply with this provision is a material breach of the Agreement and shall result in immediate termination of the Agreement without penalty to the City of Key West. Contractor shall be liable for all costs incurred by the City of Key West to secure replacement Agreement, including but not limited to, any increased costs for the same services, and costs due to delay, and rebidding costs, if applicable.

September 2, 2025
Date

(Signature of Authorized Representative)

State of Florida,
County of Martin,

Personally Appeared Before Me, the undersigned authority, James Sellers who, ☑ being personally know or ☐ having produced his/her signature in the space provided above on this 2nd day of September 20 25.

Elizabeth A Reilly
Signature, Notary Public

04/26/2028
Commission Expires

Stamp/Seal:

ELIZABETH A. REILLY
Commission # HH 476355
Expires April 26, 2028

AFFIDAVIT ATTESTING TO NONCOERCIVE CONDUCT FOR LABOR OR SERVICES

Entity/Vendor Name: Ecological Associates, Inc.
Vendor FEIN: 32-0764920
Vendor's Authorized Representative: James Sellers, Co-President & Director of Business Development & Finance
(Name and Title)
Address: 3552 NE Candice Avenue
City: Jensen Beach State: Florida Zip: 34957
Phone Number: 772-334-3729
Email Address: jimmy@ecological-associates.com

As a nongovernmental entity executing, renewing, or extending a contract with a government entity, Vendor is required to provide an affidavit under penalty of perjury attesting that Vendor does not use coercion for labor or services in accordance with Section 787.06, Florida Statutes.

As defined in Section 787.06(2)(a), coercion means:

1. Using or threating to use physical force against any person;
2. Restraining, isolating, or confining or threating to restrain, isolate, or confine any person without lawful authority and against her or his will;
3. Using lending or other credit methods to establish a debt by any person when labor or services are pledged as a security for the debt, if the value of the labor or services as reasonably assessed is not applied toward the liquidation of the debt, the length and nature of the labor or service are not respectively limited and defined;
4. Destroying, concealing, removing, confiscating, withholding, or possessing any actual or purported passport, visa, or other immigration document, or any other actual or purported government identification document, of any person;
5. Causing or threating to cause financial harm to any person;
6. Enticing or luring any person by fraud or deceit; or
7. Providing a controlled substance as outlined in Schedule I or Schedule II of Section 893.03 to any person for the purpose of exploitation of that person.

As a person authorized to sign on behalf of Vendor, I certify under penalties of perjury that Vendor does not use coercion for labor or services in accordance with Section 787.06. Additionally, Vendor has reviewed Section 787.06, Florida Statutes, and agrees to abide by same.

Certified By: James Sellers, who is authorized to sign on behalf of the above referenced company.

Authorized Signature: 
Print Name: James Sellers

Title:_____

VENDOR CERTIFICATION REGARDING SCRUTINIZED COMPANIES LISTS

Respondent Vendor Name: Ecological Associates, Inc.

Vendor FEIN: 32-0764920

Vendor's Authorized Representative Name and Title: James Sellers, Co-President & Director of Business Development & Finance

Address: 3552 NE Candice Avenue

City: Jensen Beach State: Florida Zip: 34957

Phone Number: 772-334-3729

Email Address: jimmy@ecological-associates.com

Section 287.135(2)(a), Florida Statutes, prohibits a company from bidding on, submitting a proposal for, or entering into or renewing a contract for goods or services of any amount if, at the time of contracting or renewal, the company is on the Scrutinized Companies that Boycott Israel List, created pursuant to section 215.4725, Florida Statutes, or is engaged in a boycott of Israel. Section 287.135(2)(b), Florida Statutes, further prohibits a company from bidding on, submitting a proposal for, or entering into or renewing a contract for goods or services over one million dollars ($1,000,000) if, at the time of contracting or renewal, the company is on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, both created pursuant to section 215.473, Florida Statutes, or the company is engaged in business operations in Cuba or Syria.

As the person authorized to sign on behalf of Respondent, I hereby certify that the company identified above in the section entitled "Respondent Vendor Name" is not listed on either the Scrutinized Companies that Boycott Israel List, Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List I understand that pursuant to section 287.135, Florida Statutes, the submission of a false certification may subject such company to civil penalties, attorney's fees, and/or costs and termination of the contract at the option of the awarding governmental entity.

Certified By: James Sellers, Co-President & Director of Business Development & Finance,

Print Name *Print Title*

who is authorized to sign on behalf of the above referenced company.

Authorized Signature: _____.

Tab 10. Project Location and Local Preference

Main and primary office at which the work will be completed: 3552 Candice Ave, Jensen Beach, Florida 34957. Additional office at which the requested work will be completed: 5332 Riveredge Dr, Titusville, Florida 32780. Based on the RFP description, EAI and Eurofins are not local businesses.