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# **DELRAY BEACH MARINE TURTLE CONSERVATION PROGRAM SERVICES**

RFQ: 2021-03

Submitted By: Ecological Associates, Inc.

**NOVEMBER 20TH, 2020**

## Tab 1: Introduction Letter

Dear City of Delray Beach (City) Selection Committee Members:

Ecological Associates, Inc. (EAI) appreciates your time to review our submittal to this RFP 2021-003, Marine Turtle Conservation Program Services (RFP). EAI has worked on the City's beaches providing the services covered in this RFP for the past two years: in 2019 as a subcontractor to APTIM for pre-construction sea turtle monitoring, lighting evaluations, and public outreach, and this year as a subcontractor to Great Lakes Dredge and Dock Company for construction-phase monitoring and WGI for post-construction sea turtle monitoring, lighting evaluations, and public outreach. This recent experience provides us with the utmost confidence committing to the City that EAI can satisfactorily provide the required services.

I will be the Contracting Agent and Primary Contact Person for this work, if awarded. My name is Niki Desjardin and I am EAI's Director of Operations. My contact information is:

Address: PO Box 405  
Jensen Beach, FL 34958  
Phone: (772) 334-3729  
Fax: (772) 334-4925  
Email: [niki@ecological-associates.com](mailto:niki@ecological-associates.com)

Aside from our recent experience with the City, we'd also like you to consider our firm's history providing marine turtle conservation services in southeast Florida because there is no firm we know of that surpasses us in this particular arena. EAI has been providing sea turtle conservation services on southeast Florida beaches continuously since 1994. An entire division within our company is dedicated to providing these services and our staffing and logistics approaches have been honed over decades of performing the work. We know how to tailor efforts to meet the specific regulatory requirements of a project in the most cost-effective manner because the nature of our industry requires it.

Due to our history, we also enjoy long-standing working relationships with the state and federal agencies responsible for the environmental permitting and regulation of your beaches. The quality and integrity of our work is highly regarded by both the regulatory and scientific communities. Our extensive experience, local knowledge, technical expertise, safe practices, familiarity with state and federal environmental regulations, and reputation ensures the City of responsive, scientifically credible, and cost-effective work products.

We trust you will find our *Approach and Capacity* section in this response reflects both recent experience with your beaches and a refined approach to performing the work.

Sincerely,



Niki Desjardin  
Director of Operations

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## Tab 3: Minimum Qualifications

### Registered to do Business in the State of Florida

The Transit Group, Inc.'s registration to do business in the State of Florida is current. Please see Florida Division of Corporations Document Number P14000081660.

Please note The Transit Group, Inc. owns the "Fictitious Name" of Ecological Associates, Inc. Please see Florida Division of Corporations Document Number G14000131650.

### Scrutinized Company Certification Form

The Transit Group, Inc. is not listed on the Florida State Board of Administration, Scrutinized List of Prohibited Companies. Please see the requested, executed form in Tab 7.

### No Conflicts of Interest

No officer, director or agent of The Transit Group, Inc. is an employee of the City. No City employee owns, directly or indirectly, any interest in The Transit Group, Inc. or any of its branches. No conflicts of interest are present in relation to The Transit Group, Inc. and this solicitation.



## Tab 4: Firm Information

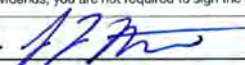
### Legal Contracting Name

The Transit Group, Inc. dba Ecological Associates, Inc. is incorporated in the State of Florida.

### Ownership Structure of Company

The Transit Group, Inc. is a corporation as defined by Florida Statute.

### Completed & Executed Copy of W-9 that Includes Federal Identification Number

<b>Form W-9</b> (Rev. October 2018) Department of the Treasury Internal Revenue Service		<b>Request for Taxpayer Identification Number and Certification</b> ▶ Go to <a href="http://www.irs.gov/FormW9">www.irs.gov/FormW9</a> for instructions and the latest information.		<b>Give Form to the requester. Do not send to the IRS.</b>
1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. <b>The Transit Group, Inc. DBA Ecological Associates, Inc.</b>				
2 Business name/disregarded entity name, if different from above				
Print or type. See Specific Instructions on page 3.	3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only <b>one</b> of the following seven boxes. <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input checked="" type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input type="checkbox"/> Limited liability company. Enter the tax classification (C-C corporation, S-S corporation, P-Partnership) ▶ <b>Note:</b> Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is not disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner. <input type="checkbox"/> Other (see instructions) ▶			4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3). Exempt payee code (if any) _____ Exemption from FATCA reporting code (if any) _____ (Applies to accounts maintained outside the U.S.)
	5 Address (number, street, and apt. or suite no.) See instructions. <b>PO Box 405</b>			Requester's name and address (optional)
	6 City, state, and ZIP code <b>Jensen Beach, FL 34958</b>			Phone - (772) 334-3729 Fax - (772) 334-4925
	7 List account number(s) here (optional)			
<b>Part I Taxpayer Identification Number (TIN)</b>				
Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see <i>How to get a TIN</i> , later. <b>Note:</b> If the account is in more than one name, see the instructions for line 1. Also see <i>What Name and Number To Give the Requester</i> for guidelines on whose number to enter.				
Social security number ____ - ____ - ____ OR Employer identification number <b>6 1 - 1 7 4 7 0 4 3</b>				
<b>Part II Certification</b>				
Under penalties of perjury, I certify that:				
1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and				
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and				
3. I am a U.S. citizen or other U.S. person (defined below); and				
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.				
<b>Certification instructions.</b> You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.				
Sign Here	Signature of U.S. person ▶ 			Date ▶ <b>10/16/2019</b>
<b>General Instructions</b>				
Section references are to the Internal Revenue Code unless otherwise noted.				
<b>Future developments.</b> For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to <a href="http://www.irs.gov/FormW9">www.irs.gov/FormW9</a> .				
<b>Purpose of Form</b>				
An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.				
• Form 1099-DIV (dividends, including those from stocks or mutual funds)				
• Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)				
• Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)				
• Form 1099-S (proceeds from real estate transactions)				
• Form 1099-K (merchant card and third party network transactions)				
• Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)				
• Form 1099-C (canceled debt)				
• Form 1099-A (acquisition or abandonment of secured property)				
Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.				
If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.				

## Contact Information of Corporate Headquarters and Satellite Offices

### Corporate Headquarters – Jensen Beach, FL

Physical Address: 1458 NE Sunview Terrace, Jensen Beach, FL 34957

Mailing Address: PO Box 405, Jensen Beach, FL 34958

Telephone: (772) 334-3729

### Palm Beach Satellite Office – Boca Raton, FL

Address: 1825 NW Corporate Blvd, Suite 110, Boca Raton, FL 33431

Telephone: (561) 870-0550

## Contact Information of Primary & Secondary Representatives for Solicitation Process

### Primary Representative

#### **Jimmy Sellers**

(772) 334-3729 office / (772) 216-6190 mobile

[jimmy@ecological-associates.com](mailto:jimmy@ecological-associates.com)

PO Box 405, Jensen Beach, FL 34958

### Secondary Representative

#### **Niki Desjardin**

(772) 334-3729 office / (561) 306-6084 mobile

[niki@ecological-associates.com](mailto:niki@ecological-associates.com)

PO Box 405, Jensen Beach, FL 34958

## Details of Ownership Changes

The past three years have seen no changes to our firm's ownership, and none are anticipated within six months of the Due Date and Time of this solicitation.

## Officers/Principles of Company

**Stan DeForest** is President and Chief Executive Officer.

**Niki Desjardin** is Director of Operations.

## Tab 5: Approach & Capacity

### Narrative & Methodology for Engaging with City

EAI strives for efficient and effective communication in all our work, especially during the current situation with COVID-19, and we will use the most appropriate and safe methods during the contract period to ensure project objectives are achieved. In many cases, email, phone, or video meeting communications are sufficient; however, if an in-person meeting is warranted and the conditions are safe to do so, we will gladly meet with City Staff in person. Prior to the initiation of services, EAI's Project Manager and Field Supervisor will schedule a meeting with the City to review the project plan and establish clear lines of communication. The EAI Project team will oversee all fieldwork and data management and will consult with the City on permit requirements, as necessary and to ensure that work products and deliverables are exceeding expectations. EAI field staff will communicate daily via phone with the City's beach raking contractor to ensure all nests have been marked before the beaches are raked. To support the City's efforts at improving compliance with the local lighting ordinance, EAI staff will coordinate via email and phone with City Code Enforcement officers to provide guidance on bringing coastal properties in violation of the ordinance into compliance. If requested, EAI staff will also work with property managers and homeowners to provide options for bringing properties into compliance. Following completion of beach nourishment events, EAI will coordinate via email and phone with the City, FWC, and the beach raking contractor to organize and oversee the leveling of persistent escarpments, if necessary. EAI will provide the City with monthly updates on nesting numbers and hatchling or adult sea turtle disorientations via email and coordinate outreach events (public nest excavations) with the Sandoway House and the City via email and phone.

### Approach to Delivering Scope of Services, Deliverables, & Strategies

At the commencement of the contract, pre-existing survey zone boundaries along the City's beach (Project Area) will be verified and re-marked. Customized field datasheets and a Microsoft Access database will be created to facilitate data collection and management (EAI uses a cloud based electronic data collection system with paper datasheet back-ups). A project-specific Health and Safety Plan and work schedule will be developed. All equipment and supplies necessary to successfully implement this Scope of Work are available.

EAI will conduct daily morning sea turtle nesting surveys within 30 minutes of sunrise. Monitoring of the Project Area will be performed by EAI staff either on foot or using ATVs. All emergencies (turtle crawls) apparent from the previous night will be interpreted to determine which species of turtle came ashore and whether or not it nested. Crawls will be denoted as being above or below the previous high tide line. The geographic location

of each crawl will be determined by sub-meter GPS. In addition to segregating crawls into nesting and non-nesting emergences (false crawls), each false crawl within the Project Area will be assigned to one of the following categories denoting the stage at which the nesting attempt was abandoned: no digging, abandoned body pit, or abandoned egg cavity. Any obstacles encountered by turtles during their crawls will be documented.

All nests within the City of Delray Beach will be marked for determination of nest fate and reproductive success. Nests will be marked using a series of stakes and surveyor's tape. These nests will be monitored throughout their incubation period to determine nest fate (e.g., hatched, washed out, depredated, vandalized, etc.). After an appropriate incubation period, and in accordance with the FWC handbook, nests will be excavated to determine reproductive success. Two measures of reproductive success will be calculated: hatching success (the percentage of eggs in the nest that hatch) and emerging success (the percentage of eggs in the nest that produce hatchlings which successfully escape from the nest).

Conspicuously marking all nests will ensure that there are no impacts from routine beach maintenance performed on City beaches by a beach raking contractor. EAI will communicate with the beach raking contractor on a daily basis prior to performing any beach raking. If no surveys are conducted prior to raking, beach raking may not occur for 65 days.

Monthly surveys (performed on a mutually agreed upon schedule) of beachfront lighting conditions will be performed between March 1st and October 31st. The location, number and type of lights visible from the beach and not in compliance with the City of Delray Beach's lighting regulations will be documented and reported. Photos (long exposure, without flash) will also be taken of all lights visible from the beach.

A sub-meter GPS will be used to record coordinates from which observations are made and a summary of results will be provided to the City of Delray Beach in standard report form as well as on an Excel spreadsheet. Reports, including recommendations for correcting problem lights, will be provided within 30 days of each survey. A full report including photographs and GPS locations of lights, along with a unique site evaluation form for each facility/property evaluated will be furnished following the first lighting evaluation. In addition, a Google Earth map will be created showing locations on the beach from which lights were observed, along with photographs and associated metadata, to provide an interactive visual representation of the survey results. Subsequent reports will summarize any new lights observed and any lights that came into compliance since the previous survey.

During the course of daily monitoring, any evidence of hatchling misorientation or disorientation from either marked or unmarked nests will be documented using FWC's electronic Marine Turtle Hatchling Disorientation Incident Report Form. Based on track



evaluations, an estimate of the number of hatchlings disoriented will be recorded and light sources potentially responsible for the disorientation identified. Information concerning each incident will be forwarded by email to the City of Delray Beach on a monthly basis so appropriate remedial action may be taken. If necessary, an EAI lighting specialist will participate in a post-season meeting with the City of Delray Beach and FWC to discuss the survey reports and any sea turtle disorientations documented.

EAI may assist with sea turtle stranding response within the City of Delray Beach. Sick, injured, or dead animals are examined, and if alive, transported to state-approved care facilities. A standard Sea Turtle Stranding and Salvage data form will be completed and submitted for each stranded animal encountered by EAI. This information will be transmitted to FWC in accordance with established guidelines.

Surveys to document the formation of scarps greater than 18 inches over a distance of 100 feet or more and potentially interfering with sea turtle nesting/hatching will be conducted weekly throughout the nesting and hatching season when required by construction permits. EAI will notify the City of any scarps that meet these conditions and may potentially interfere with sea turtle nesting. FDEP/FWC may require that those areas be leveled, or the beach profile be reconfigured to minimize subsequent scarp formation. EAI will prepare an annual summary of escarpment surveys and actions taken (if leveling is required) and submit to the City in a final interpretive report.

If construction occurs in November of any year during the contract period, EAI will relocate late-season nests from the Project Area beginning 65 days prior to the start of construction. Surveys will continue until November 30th or until a 7-day period has elapsed with no new nesting emergences. All nests will be relocated before 9:00 AM and will be moved to an adjacent beach location with conditions appropriate for sea turtle nest incubation and hatching (no known erosion or lighting problems). If late season nesting surveys (beyond October 31st) or shorebird monitoring are required by permits issued for nourishment projects, those services will be quoted separately if requested.

EAI, in cooperation with the City of Delray Beach, will perform public outreach events. The public outreach is expected to include either virtual or in-person daytime public nest excavations to engage the public in sea turtle conservation initiatives carried out within the City and to educate them about sea turtle nesting biology. EAI will provide one biologist to perform each excavation of a marked nest and one field technician to answer questions from the public during each excavation. EAI is open to discussing additional options to expand outreach activities.

Monthly summary reports will tabulate the dates and times of monitoring, names of monitoring personnel, numbers of sea turtle emergences by species, and numbers of nests marked and evaluated for reproductive success, as applicable. Monthly reports will

be submitted to the City of Delray Beach within one week after the last day of the month following delivery of services (e.g., March report due no later than April 7).

A year-end report will include a summary of methods, numbers of sea turtle emergences by species, nest fates of all marked nests, reproductive success of evaluated nests, and an assessment of sea turtle nesting and reproductive success, including interpretive analyses and graphic representations, as applicable. The annual summary report will be submitted to the City no later than 90 days following completion of monitoring activities.

Permit-related reports will be prepared following the completion of monitoring and relocation activities. The Statewide Nesting Beach Survey and Nest Productivity Assessment reports required of all marine turtle permit holders by FWC will be submitted to FWC and to the City of Delray Beach by November 30th of that year. All nesting activity and reproductive success, including data on any late season relocations, will be submitted to FDEP, FWC and the City of Delray Beach on standard nourishment Excel spreadsheets, as required by the FDEP permit, by December 31st of that year.

All sea turtle monitoring and related activities will be performed under FWC Marine Turtle Permit #010 issued by FWC to EAI Director of Operations, Niki Desjardin. All persons engaged in monitoring performed by EAI for the City of Delray Beach will be listed on the permit.

#### Details of Implementation Plan & Schedule

Once awarded the work, EAI will finalize its application for Marine Turtle Permit #010, including Delray Beach as an authorized survey area (application is currently pending). All equipment including ATVs, trailers, nest marking supplies, GPS, and datasheets will be prepared and mobilized immediately prior to March 1, when nesting season begins. The EAI Project Manager will also contact the City to set up a pre-season meeting and discuss project deliverables and establish lines of communication. The Health and Safety Plan will be updated and a field survey schedule will be created and maintained throughout the life of the project. The following work products will be provided to the City of Delray Beach in accordance with the schedules specified in the following table.

<b>Deliverable</b>	<b>Content</b>	<b>Delivery Date</b>
<b>Monthly Data Summaries</b>	Dates and times of monitoring, names of monitoring personnel, numbers of sea turtle emergencies by species, numbers of nests relocated (if applicable), numbers of nests marked and evaluated for reproductive success, and results of escarpment monitoring	Within 7 days of the end of the reporting period
<b>Monthly Lighting Reports</b>	Compilation of lighting evaluation forms for all facilities requiring lighting modifications to bring lighting into compliance with applicable ordinances	One month following each lighting evaluation
<b>FWC Spreadsheets</b>	Excel spreadsheets containing nesting survey data, nest fates, and results of reproductive success analyses	SNBS due by November 30 <sup>th</sup> Nourishment due by December 31 <sup>st</sup>
<b>Final Report</b>	Annual summary of methods, numbers of sea turtle emergencies by species, nest fates of all marked nests, reproductive success of evaluated nests, and an assessment of sea turtle nesting and reproductive success	90 days following completion of monitoring activities

### Locations of Performance of Work

All field survey equipment, including storage trailer, ATVs, and nest stakes, will be prepared and mobilized to the project location and stored at Anchor Park (340 South Ocean Blvd, Delray Beach, FL 33483). Sea turtle nesting and lighting surveys will be performed along the City's 3.03 miles of beach between approximately R-175 +325 ft and approximately R-190 +175 ft. All data collected for the project will be recorded on standardized data sheets and entered into ESRI's cloud database using a mobile data collection platform (Survey 123). Nesting survey data will undergo QA/QC and be stored at EAI's main office (1458 NE Sunview Terrace, Jensen Beach, FL 34947).

### Organizational Structure

#### Staffing Resources

EAI's team is led by Nicole "**Niki**" **Desjardin**, as Director of Operations and Project Manager for this work. Ms. Desjardin will be responsible for directing all work assigned to EAI by the City and handling any contractual or administrative items which require City and EAI coordination. For the City's project, the team is comprised of 5 support staff, summarized in the following table.

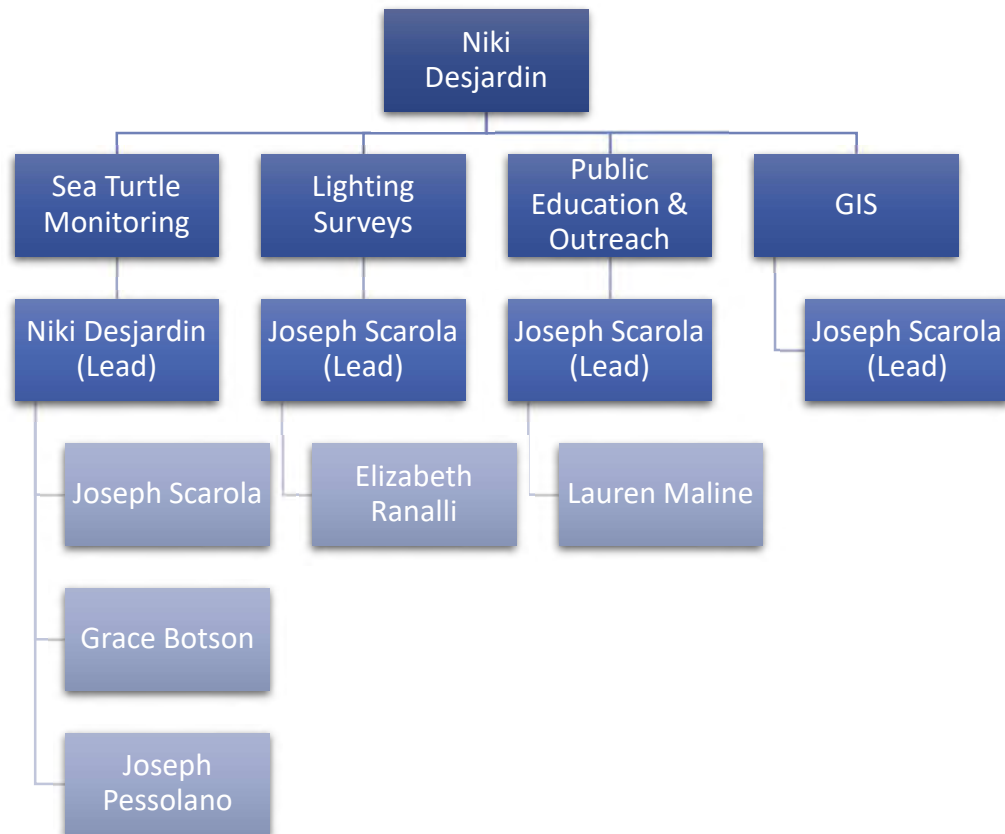
Category	Employee	Title	Degree	Years of Experience	Disciplines
Project Manager	Niki Desjardin	Director of Operations	M.S.	20	Sea turtle biology & conservation, protected species monitoring & management, habitat conservation planning
Staff Scientists	Joseph Scarola	Senior Scientist	B.S.	12	Sea turtle biology & conservation, artificial light management, shorebird monitoring, data management, GIS
	Grace Botson	Senior Scientist	M.S.	17	Sea turtle biology & conservation, shorebird monitoring, data management, habitat conservation planning
	Lauren Maline	Biologist	B.A.	6	Sea turtle biology & conservation, shorebird monitoring, data management, public education & outreach
	Elizabeth Ranalli	Biologist	B.S.	11	Sea turtle biology & conservation, artificial light management, shorebird monitoring, data management
	Joseph Pessolano	Biologist	B.S.	7	Sea turtle biology & conservation, shorebird monitoring, data management

#### Sub-Consultants

EAI does not anticipate using sub-consultants to perform the Scope of Services.

## Organizational Diagram of Key Personnel

Resumes for our Project Manager, Senior Scientists, and Biologists are provided after the Organizational Chart and in the order presented above.





**NICOLE DESJARDIN, M.S. – PRINCIPAL-IN-CHARGE/DIRECTOR OF OPERATIONS****Years Experience: 20****Years with EAI: 15****Technical Specialties**

- Sea Turtle Conservation and Biology
- Permit Compliance Monitoring for Coastal Restoration Projects
- Habitat Conservation Planning
- Nesting/Non-breeding Shorebird Surveys
- Field Work and Data Collection
- Data Management, QA/QC
- Data Collection Using GPS, GIS

**Education**

- M.S. (Biology) Florida Atlantic University
- B.S. (Biology) University of Richmond

**Professional Registrations, Affiliations, and Certifications**

- Treasure Coast Shorebird Partnership
- Florida Association of Environmental Professionals
- National Habitat Conservation Plan Coalition
- International Sea Turtle Society
- FWC Marine Turtle Permit Holder (MTP No. 010, 160, 162 and 261)
- PADI Advanced Open Water, Nitrox
- HeartSaver CPR/AED/First Aid

**Synopsis of Qualifications**

Coastal biologist with extensive experience managing protected species monitoring programs and coordinating/conducting field work in Florida. Highly skilled at sea turtle crawl identification, nest relocations, and nesting beach management. Implements sea turtle and shorebird permit-compliance monitoring for coastal construction projects (pre-construction through post-construction). Confirms monitoring protocols meet conditions of all State and Federal permits and Biological Opinions. Attends pre-construction conferences and coordinates with State and Federal agencies, engineering firms, and local stakeholders. Skilled at shorebird identification and monitoring during breeding and non-breeding seasons. Experience preparing Environmental Assessments and Habitat Conservation Plans for public and private sector clients. Responsible for the management and oversight of EAI's Coastal Protected Species Division, ensuring projects perform according to the highest quality standards and are delivered on time and within budget.

**Representative Project Experience**

***WGI/APTIM, Delray Beach Nourishment Project, Palm Beach County, FL*** – Implemented permit-compliance sea turtle monitoring protocols along approximately three miles of shoreline in support of the Delray Beach Nourishment Project. Coordinated with the City of Delray Beach and its contractors regarding protected species and beach-related issues. Oversaw sea turtle nesting

surveys, crawl identification, nest marking and monitoring, reproductive success evaluations, documentation of stranded sea turtles and disorientation events, and public outreach services.

***Eastman Aggregates Enterprises, LLC, Miami Beach Truck Haul Nourishment Project, Miami-Dade County, FL*** – Implemented permit-compliance sea turtle monitoring protocols between Florida Department of Environmental Protection (FDEP) Range Monuments R-43 and R-61 in

support of the Miami Beach Truck Haul Nourishment Project. Coordinated with the client, contractors, and the Miami-Dade County Sea Turtle Conservation Program regarding protected species and beach-related issues. Managed nighttime sea turtle monitoring, nest relocations, and data reporting.

***Martin County, St. Lucie Inlet Sand Bypassing Project, Martin County, FL*** – Oversaw pre-construction through post-construction permit-compliance sea turtle and shorebird nesting surveys during several beach nourishment projects on Jupiter Island. Documented, reported, and analyzed predation on sea turtle nests. Coordinated with Hobe Sound NWR staff. Performed data analysis and prepared final reports. Conducted dedicated surveys for piping plovers inside the St. Lucie Inlet (sandbar and north/south inlet shorelines). Documented all shorebirds and reported banded birds. Prepared final report on piping plovers for USFWS, including preparation of GIS maps, in compliance with Biological Opinion. Operated a 17-ft vessel to survey sandbar habitat for piping plovers and other shorebirds.

***Coastal Tech-GEC, Inc., St. Lucie County South Beach Restoration Project, St. Lucie County, FL*** – Conducted pre-construction through post-construction permit-compliance sea turtle monitoring along 3.4 miles of beach on Hutchinson Island. Coordinated with engineering firm on protected species monitoring during construction and ensured all permit requirements for sea turtles were met. These included escarpment surveys, sea turtle nesting surveys, evaluation of nest fates/nests washed out, evaluation of hatching and emerging success, and documentation of hatchling disorientation events. Performed data QA/QC, final report preparation, and summarized data into standardized spreadsheets for nourishment reporting to the Florida Fish and Wildlife Conservation Commission.

***Applied Technology & Management, Inc., Sebastian Inlet Sand Bypassing/Dredging Project, Indian River County, FL*** – Oversaw pre-construction through post-construction sea turtle and shorebird permit-compliance monitoring and reporting along 2.5 miles of beach in Indian River County for different projects in Sectors 1 and 2. Ensured monitoring protocols met State and Federal permit conditions and that data requirements of all local stakeholders were met. Performed field surveys for protected species (sea turtles, piping plovers) and coordinated data collection, management, and reporting. Documented and reported predation on sea turtle nests and coordinated with State Park staff. Prepared final report on piping plovers for USFWS, including preparation of GIS maps, in compliance with Biological Opinion.

**JOSEPH SCAROLA, B.S. – SENIOR SCIENTIST****Years Experience: 12****Years with EAI: 8****Technical Specialties**

- Artificial Light Management
- Sea Turtle Nesting Surveys and Reproductive Success Analysis
- Sea Turtle Nest Relocation
- Sea Turtle Tagging
- Sea Turtle Husbandry and Rehabilitation
- Shorebird Monitoring
- Field Work and Data Collection Using Sub-Foot GPS Systems

**Education**

- B.S. (Biology) University of California, Los Angeles

**Professional Registrations, Affiliations, and Certifications**

- St. Lucie County Sea Turtle Working Group
- Treasure Coast Shorebird Partnership
- International Sea Turtle Society
- International Dark Sky Association
- NALD Lighting Specialist I
- NMFS-Approved Endangered Species Observer for Dredge and Disposal Projects
- PADI Certified Rescue Diver, Nitrox
- HeartSaver CPR/First Aid/AED

**Synopsis of Qualifications**

Scientist with 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 Palm Beach, Martin, St. Lucie, and Indian River Counties. Performs nighttime lighting surveys to evaluate artificial beach lighting. Conducts daytime nesting surveys, monitors nesting turtles during active construction, and relocates nests to prevent impacts. Experience conducting breeding/non-breeding shorebird surveys and piping plover surveys in accordance with Special Permit Conditions outlined in FDEP construction permits, USACE permits, and USFWS Biological Opinions. Implements FWC Breeding Bird Protocols and data entry procedures. Skilled at data collection using a variety of highly accurate GPS systems (Trimble Geo 7X, ProXH, and Trimble R1 & R8 GNSS) and processing and mapping GPS data using Trimble Business Center and Google Earth.

**Representative Project Experience**

***WGI/APTIM, Delray Beach Nourishment Project, Palm Beach County, FL*** – Oversaw permit-compliance sea turtle monitoring program along approximately three miles of shoreline in support of the Delray Beach Nourishment Project. Coordinated with the City of Delray Beach and its contractors regarding protected species and beach-related issues. Performed daily sea turtle nesting surveys, crawl identification, nest marking and monitoring,

reproductive success evaluations, documentation of stranded sea turtles and disorientation events, nighttime coastal lighting evaluations, reporting, and public outreach services.

***St. Lucie County, Light Management and Public Outreach Project*** – Conducted comprehensive lighting surveys of the entire unincorporated coastline of St. Lucie County to identify lights not in compliance with the County's Sea Turtle Protection Ordinance. Used sub-meter accurate Trimble Geo 7X GPS units fitted with laser rangefinders, in addition to DSLR cameras, to precisely locate and photograph non-compliant lights, enabling evaluation of their effect on sea turtles and the

beach. Produced interactive aerial maps showing the GPS location of each light source and the location on the beach from which they were observed. These aerial maps, along with written reports, were used by property managers and the County's Code Enforcement officers to identify non-compliant lights. Developed recommendations for modifying each non-compliant light to provide sufficient light for human safety and security while ensuring the light would not detrimentally affect sea turtles. Educated residents on sea turtle conservation and worked directly with property managers to ensure modifications met the specific needs of each facility. Follow-up lighting surveys were conducted to verify compliance with the County's lighting standards (presented at 37<sup>th</sup> Annual Sea Turtle Symposium, Las Vegas, NV).

***Martin County, 4-Mile Beach Nourishment Project, Martin County, FL*** – Oversaw pre-construction through post-construction permit-compliance sea turtle and shorebird monitoring along approximately four miles of beach on Hutchinson Island, Florida. Attended weekly project update meetings and regularly coordinated with Martin County and dredging contractor regarding protected species. Conducted pre-construction through post-construction sea turtle nesting surveys for the County's 4-Mile Beach Nourishment Projects. Collected three-dimensional beach profile data at each sea turtle crawl using a Trimble R8 GNSS, and measured sediment compaction using a USACE approved cone penetrometer. Evaluated relocation efforts used on loggerhead sea turtle nests affected by escarpments (presented at 34th Annual International Sea Turtle Symposium, New Orleans, LA). Performed data analysis and prepared final reports. Conducted lighting surveys along Martin County beaches to identify artificial lighting that may have detrimental effects on sea turtles. Provided maps and recommendations for correcting problem lights, and guided code enforcement, individual property owners, and condominium managers.

***APTIM, Panama City Beaches Nourishment Project, Bay County, FL*** – Performed comprehensive evaluations of artificial lighting along Panama City Beach's and Bay County's coastline to identify all lights visible from the beach that may have detrimental effects on sea turtles. Mapped all lights using a sub-meter GPS with laser range-finding capabilities. Submitted survey results, including aerial maps and corrective actions, for each non-compliant or potentially disruptive light. Drafted violation letters for city and county code enforcement officers to distribute for all properties out of compliance (presented at the 33rd Annual Florida Shore and Beach Preservation Association's Nation Conference on Beach Preservation Technology, Sarasota, FL).

***Taylor Engineering Inc., Ft. Pierce Beach Nourishment Project, St. Lucie County, FL*** – Oversaw pre-construction through post-construction permit-compliance sea turtle and shorebird monitoring along approximately three miles of beach on Hutchinson Island, Florida. Attended pre-construction conferences, coordinated with state and federal agencies, and engineering firms. Directed and participated in nighttime lighting evaluations, beach compaction and escarpment monitoring programs, nest relocation and protection projects, and evaluation of stranded sea turtles. Performed data analysis and prepared final reports.

## GRACE BOTSON, M.S. – SENIOR SCIENTIST

**Years Experience: 17**

**Years with EAI: 14**

### Technical Specialties

- Sea Turtle Conservation and Biology
- Sea Turtle Nesting Surveys and Reproductive Success Analysis
- Habitat Conservation Planning
- Artificial Light Management
- Shorebird Monitoring
- Field Work and Data Collection
- Data Management and QA/QC
- Geographic Information Systems (GIS)/Data Collection Using GPS

### Education

- M.S. (Biology) Florida Atlantic University
- B.A. (Marine Biology) Boston University

### Professional Registrations, Affiliations, and Certifications

- National Habitat Conservation Plan Coalition
- International Sea Turtle Society
- HeartSaver CPR/AED/First Aid

### Synopsis of Qualifications

Scientist with extensive experience conducting nesting surveys and data collection for sea turtle monitoring programs on nourished (pre-construction through post-construction monitoring) and non-nourished beaches in Palm Beach, Martin, St. Lucie, and Indian River Counties. Responsible for management of field operations and data collection, including attending pre-construction meetings and coordinating with State and Federal agencies, engineering firms, and municipal personnel. Experience preparing Habitat Conservation Plans and Biological Assessments for public and private sector clients. Serves as EAI's Health and Safety Officer.

### Representative Project Experience

***Martin County, Jupiter Island Sea Turtle Monitoring, Martin County, FL*** – Oversaw field operations and data management for sea turtle nesting surveys conducted in support of Martin County's Comprehensive Beach and Offshore Monitoring Program. This monitoring provides the requisite baseline data for future beach nourishment projects and supports long-term monitoring efforts for sea turtles on Jupiter Island (Hobe Sound National Wildlife Refuge and St. Lucie

Inlet State Park). Regularly coordinated with Refuge and Park managers regarding nesting activity and predation management. Responsibilities include sea turtle crawl identification, nest marking and monitoring, reproductive success evaluation, depredation and scavenger event documentation, hatchling and adult disorientation event documentation, stranded sea turtle response, data management and analysis, QA/QC, and monthly and annual reporting.

***Martin County, Sailfish Point Restoration and Bathtub Beach Nourishment Project, Martin County, FL*** – Oversaw field operations and data management for protected species monitoring program implemented in support of multiple nourishment projects along 1.5 km of beach on Hutchinson Island, Florida. Conducted pre-construction through post-construction permit-compliance sea turtle and shorebird monitoring. Performed data analysis and prepared monthly



reports and annual summary reports in compliance with FDEP permit conditions. Conducted dedicated surveys for piping plovers and identified and reported banded birds.

***Martin County, St. Lucie Inlet Sand Bypassing Project, Martin County, FL*** – Managed field operations and data collection during St. Lucie Inlet maintenance dredging projects. Coordinated regularly with Martin County and dredge contractors on protected species monitoring during construction and ensured all permit requirements for sea turtles and shorebirds, including piping plovers, were met. Requirements included escarpment surveys, sea turtle nesting surveys, nest relocations, evaluation of nest fates, evaluation of hatching and emerging success, and documentation of hatchling disorientation events. Documented, reported, and analyzed predation on sea turtle nests. Coordinated with the Hobe Sound National Wildlife Refuge and St. Lucie Inlet State Park managers to confirm data reporting requirements were met. Performed data QA/QC, final report preparation, and summarized data into standardized spreadsheets for nourishment reporting to the FWC.

***Taylor Engineering, Inc., Ft. Pierce Beach Nourishment Project*** – Conducted permit-compliance sea turtle nesting surveys (pre-construction through post-construction) during several beach nourishment projects over approximately 3 miles of beach in St. Lucie County, FL. Performed quarterly in-water surveys for sea turtle abundance in nearshore waters. Identified turtles (species, size, location) in the water from a boat-based platform. Performed data QA/QC, final report preparation, and summarized data into standardized spreadsheets for nourishment reporting to the FWC.

***Shorebird Monitoring in Martin, St. Lucie, and Indian River Counties*** – Conducted permit-compliance daily nesting shorebird surveys during construction of beach nourishment projects. Performed bi-weekly pre- and post-construction non-breeding shorebird surveys and documented number, location and activity of all observed species. Conducted dedicated surveys for piping plovers in the St. Lucie Inlet and identified and reported banded birds.

***Coastal Lighting Management, Martin, St. Lucie, Indian River, and Volusia Counties, FL*** – Conducted daytime and nighttime beachfront lighting evaluations in support of beach nourishment projects and habitat management plans geared towards reducing artificial light pollution on sea turtle nesting beaches. Prepared reports and correspondence to coastal residents and property owners defining ordinance regulations and relevant lighting violations. Provided recommendations for correcting problem lights.

***Habitat Conservation Planning*** – Responsible for preparing annual reports (including data analysis for sea turtle, wintering piping plover, and nesting shorebird monitoring programs) for Volusia County's HCP submitted to the USFWS. Assisted in the preparation of major portions of the Florida Beaches Habitat Conservation Plan, including chapters addressing covered species, threats to covered species, and the plan area, for the FDEP. Prepared major sections of the Conservation Plan for Sea Turtles, including chapters addressing covered species and threats to covered species, for three FPL power plants.

**LAUREN MALINE, B.A. – BIOLOGIST****Total Years' Experience: 6****Years with EAI: 4****Technical Specialties**

- Sea Turtle Monitoring
- Sea Turtle Nest Relocation
- Shorebird Monitoring
- Protected Species Observing
- Turbidity Monitoring
- Field Work and Data Collection
- GIS/Data Collection Using GPS

**Professional History**

- Ecological Associates, Inc.
- Florida Leatherbacks, Inc.
- Tide Environmental, Inc.
- Padre Island National Seashore

**Education**

- B.A. (Marine Biology), 2013, Saint Francis University

**Professional Registrations and Affiliations**

- St. Lucie County Sea Turtle Working Group

**Certifications**

- NMFS-Approved Endangered Species Observer for Dredge and Disposal Projects
- Professional Association of Diving Instructors (PADI) AOW/Rescue Diver
- MOCC Boat training with DOI
- HeartSaver CPR/First Aid/AED

**Synopsis of Qualifications**

Experience conducting nesting surveys and data collection for sea turtle monitoring programs on nourished (pre-construction through post-construction) and non-nourished beaches in Florida. Experience conducting nighttime surveys for nesting turtles during active beach construction and relocating nests, protected species observation aboard dredging and marine construction projects, and saturation tagging. Experience conducting breeding/non-breeding shorebird surveys and piping plover surveys. Responsible for data collection, data verification and management, data analysis, and preparation of final reports. Skilled at data collection using a variety of highly accurate GPS systems and processing GPS data using Trimble Business Center and Google Earth.

**Representative Project Experience**

***WGI/APTIM, Delray Beach Nourishment Project, Palm Beach County, FL*** – Directed the Delray Beach public outreach and education program covering information about the threats to sea turtles and the importance of maintaining a safe nesting habitat for these endangered species. Performed an inventory of the contents of a loggerhead nest that hatched prior to the event. Answered questions and talked with attendees about how they can keep the beaches dark, flat, and clean for sea turtles and other coastal animals. Coordinated with Sandoway House volunteers for program activities.

***Ferreira Construction Southern Division Co. Inc., St. Lucie Inlet Groin Repair Project, Martin County, FL*** – Conducted nighttime and daytime surveys for nesting sea turtles during construction. Relocated nests, if necessary. Surveyed for nesting shorebirds during morning

surveys. Communicated daily with construction crew and informed them of crawls within the project area.

***Martin County, Sailfish Point Restoration and Bathtub Beach Nourishment Project, Martin County, FL*** – Conducted pre-construction through post-construction permit compliance, including daytime and nighttime sea turtle and shorebird monitoring in support of the project. Responsibilities included sea turtle crawl identification, nest relocation during construction activities, nest marking and monitoring, reproductive success evaluation, depredation and scavenger event identification, identification and reporting of hatchling and adult disorientation events, responding to stranded sea turtles, and data management. Conducted daily nesting shorebird surveys during construction-phase of beach nourishment projects. Performed bi-weekly post-construction non-breeding shorebird surveys and documented number, location, and activity of all observed species. Performed dedicated surveys for least terns nesting on the St. Lucie Inlet shoreline, documented all shorebirds, and reported banded birds.

***Taylor Engineering Inc., Ft. Pierce Beach Nourishment Project, St. Lucie County, FL*** – Conducted permit-compliance sea turtle nesting surveys (pre-construction through post-construction) in support of beach nourishment projects on over approximately 3 miles of beach in St. Lucie County. Responsibilities included sea turtle crawl identification, nest relocation during construction activities, nest marking and monitoring, reproductive success evaluation, depredation and scavenger event identification, identification and reporting of hatchling and adult disorientation events, responded to stranded sea turtles, and data management. Conducted daily permit-compliance and nesting shorebird surveys during construction-phase of beach nourishment projects. Performed bi-weekly post-construction non-breeding shorebird surveys and documented number, location, and activity of all observed species.

***Jacksonville Harbor/Fernandina Beach Protected Species Observing*** – Monitored for incidental take and impacts on ESA-listed species within Jacksonville Harbor and King's Bay. Provided daytime and nighttime monitoring for marine construction and dredging projects when regulations deem a potential impact to endangered or threatened species. Monitored for marine mammals such as manatees and North Atlantic right whales, bottlenose dolphins, as well as sea turtles, shorebirds, and other protected species. Enforced shutdowns and ensured strike avoidance of protected species. Took mitigation actions when endangered or threatened species were detected within an exclusion zone of the dredge. Involvement in daily turbidity sampling and processing reports. Filed compliance reports daily and weekly. Recorded daily load data in the Operations and Dredging Endangered Species (ODESS) Field Collection Toolkit software program.

**ELIZABETH RANALLI, B.S. – BIOLOGIST****Total Years' Experience: 11****Years with EAI: 6****Technical Specialties**

- Sea Turtle Monitoring
- Sea Turtle Nest Relocation
- Sea Turtle Tagging
- Shorebird Monitoring
- Artificial Light Management
- Environmental Assessments
- Water Quality Monitoring
- Turbidity Monitoring
- Processing of 316(b) Samples
- Gopher Tortoise Surveys and Relocations

**Professional History**

- Ecological Associates, Inc.
- Florida Leatherbacks, Inc.
- AmeriCorps
- Loggerhead Marinelife Center
- Southern Nevada Environmental, Inc.
- Conservancy of Southwest Florida

**Education**

- B.S. (Biology), 2009, Sonoma State University

**Professional Affiliations**

- St. Lucie County Sea Turtle Working Group
- Treasure Coast Shorebird Partnership

**Certifications**

- Professional Association of Dive Instructors (PADI) Open Water Diver
- HeartSaver CPR/First Aid/AED

**Synopsis of Qualifications**

Biologist with 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. Performs nighttime lighting surveys to evaluate artificial beach lighting. Conducts daytime nesting surveys, monitors for nesting turtles during active construction, and relocates nests to prevent impacts. Responsible for overseeing daily field operations, as well as, data collection, data verification and management, data analysis, preparation of final reports including FWC nourishment and NPA spreadsheets, and INBS/SNBS. Experience conducting breeding/non-breeding shorebird surveys and piping plover surveys in accordance with Special Permit Conditions outlined in FDEP construction permits, USACE permits, and USFWS Biological Opinions. Oversees FWC Breeding Bird Protocols and data entry procedures. Skilled at data collection using a variety of highly accurate GPS systems and processing and mapping GPS data using Trimble Business Center and Google Earth. Trained in turbidity compliance monitoring.

**Representative Project Experience**

**WGI/APTIM, Delray Beach Nourishment Project, Palm Beach County, FL** – Conducted permit-compliance sea turtle nesting surveys (pre- and post-construction), and assisted with field operations throughout nighttime sea turtle monitoring during active construction along approximately three miles of shoreline in support of the Delray Beach Nourishment Project. Performed daily sea turtle nesting surveys, crawl identification, nest marking and monitoring,

escarpment monitoring, reproductive success evaluations, documentation of stranded sea turtles, and disorientation events.

***Martin County/Ferreira Construction Southern Division Co. Inc., Sailfish Point Restoration and Bathtub Beach Nourishment Project, Martin County, FL*** – Coordinated field operations and data management for a protected species monitoring program implemented in support of multiple nourishment projects along over a kilometer of beach on Hutchinson Island, Florida. Conducted nighttime sea turtle monitoring during active construction and relocated nests. Performed escarpment monitoring, morning nesting surveys, nest marking and monitoring, reproductive success evaluations, documentation of nest depredation and hatchling disorientation, and documentation of stranded sea turtles. Conducted daily shorebird nesting surveys during construction. Conducted surveys for piping plovers and identified and reported banded birds. Analyzed data and prepared monthly and annual reports in compliance with FDEP permit conditions. During construction, coordinated turbidity issues with contractor and assisted with daily and weekly reporting. 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.

***Coastal Lighting Management, Martin and St. Lucie Counties, FL*** – Conducted daytime and nighttime beachfront lighting evaluations in support of beach nourishment projects geared towards reducing artificial light pollution on sea turtle nesting beaches. Used sub-meter accurate Trimble Geo 7X GPS units fitted with laser rangefinders, in addition to DSLR cameras, to precisely locate and photograph non-compliant lights, enabling evaluation of their effect on sea turtles and the beach. Produced interactive aerial maps showing the GPS location of each light source and the location on the beach from which they were observed. These aerial maps, along with written reports, were used by property managers and County Code Enforcement officers to identify non-compliant lights. Developed recommendations for modifying each non-compliant light to provide sufficient light for human safety and security while ensuring the light would not detrimentally affect sea turtles. Projects included Martin County 4-Mile Beach Nourishment Project, St. Lucie Turtle Nesting Habitat Improvements, Ft. Pierce Beach Nourishment Project, and Sailfish Point Restoration and Bathtub Beach Nourishment Project.

***Indian River County/APTIM, Sector 5 Beach and Dune Repair Project, Indian River County, FL*** – Conducted permit-compliance sea turtle nesting surveys and nest relocations (pre- and post-construction) along three miles of shoreline. Performed daily sea turtle nesting surveys, crawl identification, nest marking and monitoring, reproductive success evaluations, documentation of stranded sea turtles, and disorientation events.



**JOSEPH PESSOLANO, B.S. – BIOLOGIST**

**Total Years' Experience: 7**  
**Years with EAI: 7**

**Technical Specialties**

- Sea Turtle Monitoring
- Sea Turtle Nest Relocation
- Shorebird Monitoring
- Water Quality Monitoring
- Water Quality Meter Calibration
- Turbidity Monitoring
- Biological Characterization Studies
- Field Work & Data Collection

**Professional History**

- Ecological Associates, Inc.

**Education**

- B.S. (Coastal Biology), 2017  
University of North Florida

**Certifications**

- Heart Saver CPR First Aid/AED
- Professional Association of Diving Instructors (PADI) Advanced Open Water Diver

**Synopsis of Qualifications**

Extensive 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. Skills include sea turtle crawl identification, nest relocation, nesting marking, monitoring, and evaluation, and data entry and verification. Experienced in permit-compliance shorebird and turbidity monitoring.

**Representative Project Experience**

***Martin County/Ferreira Construction Southern Division Co. Inc., Sailfish Point Restoration and Bathtub Beach Nourishment Project, Martin County, FL*** – Conducted permit-compliance sea turtle nesting surveys (pre-construction through post-construction) in support of beach nourishment projects at the southern end of Hutchinson Island. Conducted nighttime sea turtle monitoring during active construction and relocated nests. Performed escarpment monitoring, morning nesting surveys, nest marking and monitoring, nest relocation,

reproductive success evaluations, documentation of nest depredation and hatchling disorientation, and documentation of stranded sea turtles. Conducted daily nesting shorebird surveys during construction, documented all shorebird species observed, and recorded behavior. Monitored background and compliance locations for turbidity exceedances by collecting surface and mid-depth samples three times a day approximately four hours apart during construction. Performed daily calibration of the turbidimeter following the FDEP's SOP protocols. Coordinated turbidity issues with contractor. Trained new turbidity technicians and assisted with daily and weekly reporting.

***MRD Associates, Inc., St. Joseph Peninsula Beach Nourishment Project Sea Turtle Nest Relocation, Gulf County, FL*** – Responsible for relocating sea turtle nests laid within the project area in support of the St. Joseph Peninsula Beach Nourishment Project in Gulf County, FL. Coordinated with Gulf County Turtle Patrol staff and University of Florida sea turtle tagging program researchers to identify locations of nests needing to be relocated and moved nests to a

suitable beach outside the fill area. Trained select personnel from the Gulf County Turtle Patrol to perform relocations during early nesting season. Revisited the project site to assist with relocations during peak nesting season. Performed all services under an FWC Marine Turtle Permit.

***Applied Technology & Management, Inc., Sebastian Inlet Sand Bypassing/Dredging Project, Indian River County, FL*** – Coordinated field operations and data management for pre-construction through post-construction protected species monitoring programs implemented in support of multiple nourishment projects along 3.1 km of beach in Indian River County. Ensured monitoring protocols met State and Federal permit conditions and that data requirements of all local stakeholders were met. Performed field surveys for protected species (sea turtles, piping plovers) and coordinated data collection, management, and reporting. Documented and reported predation on sea turtle nests and coordinated with State Park and Refuge staff. Performed data analysis and prepared monthly reports and annual summary reports in compliance with FDEP permit conditions.

***APTIM, Sector 5 Beach and Dune Repair Project, Indian River County, FL*** – Coordinated field operations and data management for pre-construction through post-construction protected species monitoring programs along 2.2 km of beach in Indian River County. Conducted permit-compliance sea turtle nesting surveys and nest relocations (pre-construction). Performed daily sea turtle nesting surveys, crawl identification, nest marking and monitoring, reproductive success evaluations, documentation of stranded sea turtles, and disorientation events. Performed data analysis and prepared monthly reports and annual summary reports in compliance with FDEP permit conditions.

***Taylor Engineering Inc., Ft. Pierce Beach Nourishment Project, St. Lucie County, FL*** – Conducted permit-compliance sea turtle nesting surveys (pre-construction through post-construction) during several beach nourishment projects over three miles of beach in St. Lucie County, Florida. Tasks included nighttime monitoring, nest relocations, daytime nesting surveys, escarpment monitoring, and evaluation of stranded sea turtles.

***Sea Turtle Monitoring, Martin, St. Lucie, and Indian River Counties, FL*** – Performed pre-construction through post-construction sea turtle monitoring in Martin, St. Lucie, and Indian River Counties on Hutchinson Island, Jupiter Island, and Sebastian in support of beach nourishment projects. Responsibilities include sea turtle crawl identification, nest marking, data entry and verification, nest relocation, reproductive success data collection, depredation and scavenger event identification, hatchling release, identification and reporting of hatchling and adult disorientation events, and responding to stranded sea turtles.


## Tab 6: Fee Proposal

Offers have been electronically entered for each line item on the BidSync website as of 11/20/2020.

## Tab 7: Attachments

All ten electronic forms on the BidSync website have been electronically completed and accepted as of 11/18/2020.

Scans of the hardcopy originals of both the Non-Collusion Affidavit and Solicitation Summary are provided below to meet the intent of the solicitation.

City of Delray Beach RFP 2021-003, Marine Turtle Conservation Program Services
<b>NON-COLLUSION AFFIDAVIT</b>
STATE OF <u>Florida</u> COUNTY OF <u>Martin</u>
Before me, the undersigned authority, personally appeared <u>Niki Desjardin</u> , who, after being by me first duly sworn, deposes and says of his/her personal knowledge that:
a. He/She is <u>Director of Operations</u> of <u>The Tansit Group, Inc.</u> , the Proposer that has submitted a Proposal to perform work for the following:  RFP No.: <u>2021-003</u> Title: <u>Marine Turtle Conservation Program Services</u>
b. He/She is fully informed respecting the preparation and contents of the attached Request for Proposals, and of all pertinent circumstances respecting such solicitation.  Such Proposal is genuine and is not a collusive or sham Proposal.
c. Neither the said Proposer nor any of its officers, partners, owners, agents, representatives, employees, or parties in interest, including this affiant, has in any way colluded, conspired, connived, or agreed, directly or indirectly, with any other Proposer, firm, or person to submit a collusive or sham Proposal in connection with the solicitation and contract for which the attached Proposal has been submitted or to refrain from proposing in connection with such solicitation and contract, or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Proposer, firm, or person to fix the price or prices in the attached Proposal or any other Proposer, or to fix any overhead, profit, or cost element of the Proposal price or the Proposal price of any other Proposer, or to secure through any collusion, conspiracy, connivance, or unlawful agreement any advantage against the City or any person interested in the proposed contract.
d. The price or prices quoted in the attached Proposal are fair and proper and are not tainted by any collusion, conspiracy, connivance, or unlawful agreement on the part of the Proposer or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.
<u>Niki Desjardin</u> Signature
Subscribed and sworn to (or affirmed) before me this <u>18</u> day of <u>November</u> , 20 <u>20</u> by <u>Niki Desjardin</u> , who is <u>personally known</u> to me or who has produced _____ as identification.
<div style="display: flex; align-items: center;"> <div style="margin-right: 10px;">SEAL</div> <div style="text-align: center;">  <p><b>ELIZABETH A. REILLY</b> Commission # GG 942586 Expires April 26, 2024 <small>Bonded Thru Budget Notary Services</small></p> </div> <div style="margin-left: 10px;"> <p>Notary Signature: <u>Elizabeth A. Reilly</u> Notary Name: <u>Elizabeth A. Reilly</u> Notary Public (State): <u>FL</u> My Commission No: <u>GG 942586</u> Expires on: <u>04/26/2024</u></p> </div> </div>

City of Delray Beach  
RFP 2021-003, Marine Turtle Conservation Program Services

**SECTION 12  
SOLICITATION SUMMARY**

The City of Delray Beach  
100 NW 1<sup>st</sup> Street  
Delray Beach, FL 33444

PURCHASING DEPARTMENT

**SOLICITATION SUMMARY**

**IMPORTANT NOTICE**

The information you provide on this page may be read aloud at the PUBLIC OPENING for this solicitation. It is VERY IMPORTANT that the summary information you provide below is exactly the same information contained in your Proposal. If subsequent to the opening of Proposals, the City determines that the information contained in the electronic version of your Proposal is different from the information on this solicitation Summary, the City reserves the right to deem your Proposal NON-RESPONSIVE, and remove your Proposal from further evaluation and consideration for contract award.

**PROPOSAL INFORMATION**

Proposal Number: RFP 2021-003

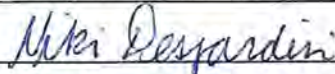
Title: Marine Turtle Conservation Program Services

Due Date and Time: November 20, 2020 at 2:00 P.M., ET

Name of Proposer: The Transit Group, Inc. dba Ecological Associates, Inc.

Address: PO Box 405, Jensen Beach, FL 34958

Contact Person: Niki Desjardin

Authorized Signature: 

Date: 11/18/20

By signing and submitting this solicitation Summary, the Proposer affirms that the information provided above is an exact and correct summary of the information contained in the electronic version of the Proposer's Proposal to the City of Delray Beach.

**THIS SOLICITATION SUMMARY MUST BE SIGNED AND INCLUDED AS AN ORIGINAL HARDCOPY  
IN THE ENVELOPE CONTAINING YOUR PROPOSAL.**