

# QUOTE



## TNC Oceanographic, LLC

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QUOTE # MC-021  
DATE: JULY 24, 2025

TO Jessica Garland  
Associate Project Manager  
Martin County  
Board of County Commissioners  
2401 SE Monterey Road  
Stuart, FL 34996  
772-288-5795

CONTACT	JOB	PAYMENT TERMS	QUOTE DATE/ QUOTE EXPIRES
Tony Cimaglia	Martin County		7/23/2025-10/23/2025

LINE	DESCRIPTION	UNIT PRICE	LINE TOTAL
1	Wave Data Collection Service, 2 Stations (See Notes for description of services and equipment) Yearly cost.	\$20,000	\$20,000
2	Current Data Collection Service, 4 Stations (See Notes for description of services and equipment) Yearly cost.	\$47,000	\$47,000
3	Water Quality/Salinity Data Collection Service Peck's Lake Reef, 4 Stations (2 currently installed) (See Notes for description of services and equipment) Yearly cost.	\$60,000	\$60,000
4	Water Quality/Salinity Data Collection Service St. Lucie Estuary, 15 Stations (7 currently installed) (See Notes for description of services and equipment) Yearly cost.	\$110,000	\$110,000
5	Water Level Data Collection Service for Coastal Resiliency Efforts, 15 Stations (7 currently installed, 2 waiting for installation) (See Notes for description of services and equipment)	\$90,000	\$90,000
SUBTOTAL			\$327,000
SALES TAX			NA
TOTAL			\$327,000

## Notes:

### Description of Included Services:

#### **WAVE DATA COLLECTION SERVICE, LINE 1**

TNC Oceanographic will continue to provide Martin County with directional wave data as well as a real-time data feed to a publically available website. To accomplish this we have installed two separate wave measuring stations, one dedicated to the historical directional wave data collection and the other dedicated to the delivery of the real-time data. The benefit of two independent stations is two-fold; the first is that the real-time station is more vulnerable to damage so if it is damaged you won't lose the historical data and the second is that it provides a level of redundancy in case the directional station malfunctions. To deliver the real-time data one of the stations is cabled to a surface buoy which houses a wireless transmitter to broadcast the data from the buoy to a publicly available website.

During maintenance visits we will remove the existing equipment and immediately replace it with another of the same type to maintain as continuous of a data record as possible. Typically equipment is removed from the field for service and returned as soon as possible however this usually results in days to weeks of lost data.

TNC Oceanographic will supply all the necessary equipment from our own inventory to carry out this project.

TNC Oceanographic will repair or replace any equipment that is damaged or lost for any reason, including hurricanes, at no additional cost to Martin County.

TNC Oceanographic will inspect all equipment as soon as possible after severe storm events and repair or replace as necessary to keep the data record as continuous as possible.

TNC Oceanographic will provide processed and raw data at approximately 6 month intervals and continual progress updates throughout the year to keep Martin County informed of all work being performed. This will be done via a shared deployment log located in a folder dedicated to the Oceanographic Data Collection Program on Martin County servers.

TNC Oceanographic will provide equipment upgrades including hardware, firmware and software as they become available to ensure the equipment and analysis products remain up-to-date.

#### **CURRENT DATA COLLECTION SERVICE, LINE 2**

TNC Oceanographic will continue to provide Martin County with current data at 4 locations using Martin County owned equipment. There are 4 current meters associated with this project that are owned by Martin County. They instruments are all Nortek Aquadopp Current Profilers with the following serial numbers; 14905, 14979, 15330 and 401147(Replacement unit for 15389 that was lost at sea around 11/2024).

During maintenance visits we will remove the existing equipment and bring back to office for data download, maintenance and re-deployment preparation. Equipment will then be returned to service as soon as possible, weather dependent, to minimize any data gaps.

TNC Oceanographic will supply all the necessary equipment to carry out the maintenance, recovery and redeployment of equipment and address minor issues for this project. If major issues occur with respect to damaged/malfunctioning equipment or station integrity we will detail these issues and present them to Martin County for consideration.

TNC Oceanographic will provide processed and raw data at approximately 6 month intervals and continual progress updates throughout the year to keep Martin County informed of all work being performed. This will be done via a shared deployment log located in a folder dedicated to the Oceanographic Data Collection Program on Martin County servers.

#### **WATER QUALITY/SALINITY DATA COLLECTION, PECK'S LAKE REEF, LINE 3**

TNC Oceanographic will provide Martin County with salinity data on Peck's Lake Reef at up to 4 locations using Martin County owned equipment. Costs will increase if more stations are added.

There are 2 stations currently installed on Peck's Lake Reef utilizing 4 pieces of Martin County owned equipment. The associated instruments are all SeaBird CTDs with the following serial numbers; 37-23412, 37-2346, 37-23467 and 37-27788 (Replacement unit for 37-23465 that catastrophically leaked and was replaced by SeaBird.

During the year we will swap salinity sensors every 30-60 days, weather permitting, and use the deployment data to hone in on what the real maintenance cycle should be moving forward.

TNC Oceanographic will provide processed and raw data at approximately 6 month intervals and continual progress updates throughout the year to keep Martin County informed of all work being performed. This will be done via a shared deployment log located in a folder dedicated to the Oceanographic Data Collection Program on Martin County servers.

While we have been able to secure an inexpensive boat in prior years, we cannot count on that moving forward considering the frequency at which we will be swapping out the equipment and the logistics involved in getting on the water. We have other boats we use but they are more expensive and that is taken into consideration when estimating the boat costs.

#### **WATER QUALITY/SALINITY DATA COLLECTION, ST. LUCIE ESTUARY, LINE 4**

TNC Oceanographic will provide Martin County with salinity data in the St. Lucie Estuary at up to 15 locations using Martin County owned equipment. Costs will increase if more stations are added.

There are 7 stations currently installed in the St. Lucie Estuary utilizing 18 pieces of Martin County owned equipment. The associated instruments include 3 SeaBird CTDs with the following serial numbers; 37-24178, 37-24179 and 37-24180; as well as 9 Solinst CTDs with the following serial numbers; 1081651, 1083034, 1083039, 1093899, 1093906, 1094045, 1094051, 1094349, 1095616, 1095618, 1095621, 1095622, 1095623, 1095853 and 2143661. As part of this contract TNC Oceanographic will purchase 3 additional SeaBird sensors that will be added to the Martin County equipment inventory.

During the year we will swap salinity sensors every 30-60 days, weather permitting, and use the deployment data to hone in on what the real maintenance cycle should be moving forward. TNC Oceanographic will also establish the 3 SeaBirds as real-time stations during this contract cycle where the data will stream to the same publically available website as the wave and water level data.

TNC Oceanographic will provide processed and raw data at approximately 6 month intervals and continual progress updates throughout the year to keep Martin County informed of all work being performed. This will be done via a shared deployment log located in a folder dedicated to the Oceanographic Data Collection Program on Martin County servers.

While we have been able to secure an inexpensive boat in prior years, we cannot count on that moving forward considering the frequency at which we will be swapping out the equipment and the logistics involved in getting on the water. We have other boats we use but they are more expensive and that is taken into consideration when estimating the boat costs.

#### **WATER LEVEL DATA COLLECTION FOR COASTAL RESILIENCY, LINE 5**

TNC Oceanographic will provide Martin County with water level data at up to 15 stations in real-time that will be displayed on a publically accessible webpage. The stations will be deployed at locations deemed suitable by Martin County to achieve the desired outcome. There are currently 9 stations that have been identified for deployment with 7 currently installed and 2 waiting for installation. Costs will increase if more stations are added.

During maintenance visits we will remove the existing equipment and immediately replace it with another of the same type to maintain as continuous of a data record as possible. Typically equipment is removed from the field for service and returned as soon as possible however this usually results in days to weeks of lost data.

TNC Oceanographic will supply all the necessary equipment from our own inventory to carry out this project.

TNC Oceanographic will repair or replace any equipment that is damaged or lost for any reason, including hurricanes, at no additional cost to Martin County.

TNC Oceanographic will inspect all equipment as soon as possible after severe storm events and repair or replace as necessary to keep the data record as continuous as possible.

TNC Oceanographic will provide processed and raw data at approximately 6 month intervals and continual progress updates throughout the year to keep Martin County informed of all work being performed. This will be done via a shared deployment log located in a folder dedicated to the Oceanographic Data Collection Program on Martin County servers.

TNC Oceanographic will provide equipment upgrades including hardware, firmware and software as they become available to ensure the equipment and analysis products remain up-to-date.

**THANK YOU FOR YOUR BUSINESS!**

