



## 2013 CALENDAR

### **MLT Annual Meeting Presentation by Stockton College Coastal Research Center**

*Beach Survey Data for LBI &  
Mordecai Elevation & Shore-  
line Survey*

Sunday, August 25, 5 PM  
LBI Historical Museum  
Engleside Avenue  
Beach Haven, NJ

### **Mordecai Island Fall Clean-Up**

Saturday, September 14, 9 AM  
Meet at LEHYC Molly Allison

### **Merchants Mart**

Saturday, October 5  
Bay Village  
Visit the MLT table on  
Chowder Fest Weekend!

### **MLT Trustees Meeting**

Sunday, October 6, 11 AM  
LEHYC, Commodores Room



Mordecai inhabitant—  
Oystercatcher

## STOCKTON COMPLETES SECOND SURVEY

Work continues on the elevation and shoreline survey of Mordecai Island by the Richard Stockton College of New Jersey's Coastal Research Center (CRC).

As reported in the Spring issue of Mordecai Matters, separate areas of the island were surveyed using laser total station and RTK-GPS equipment to collect nearshore bathymetry (depth measurement) within an area from the western edge of the shoreline to approximately 50 feet seaward. The two survey areas included the Southwest Mordecai Ecosystem Restoration Project (SWMER) Phase II on the southwest corner of the southern section of the island, and the entirety of the northern section, which has been separated from the remainder of the island by a shallow channel (as a result of past shoreline erosion).

The CRC completed a 6-month elevation and shoreline survey of Mordecai Island, New Jersey on April 17 & 18, 2013. The initial survey was completed on October 25 & 26, 2012 (just prior to Hurricane Sandy).

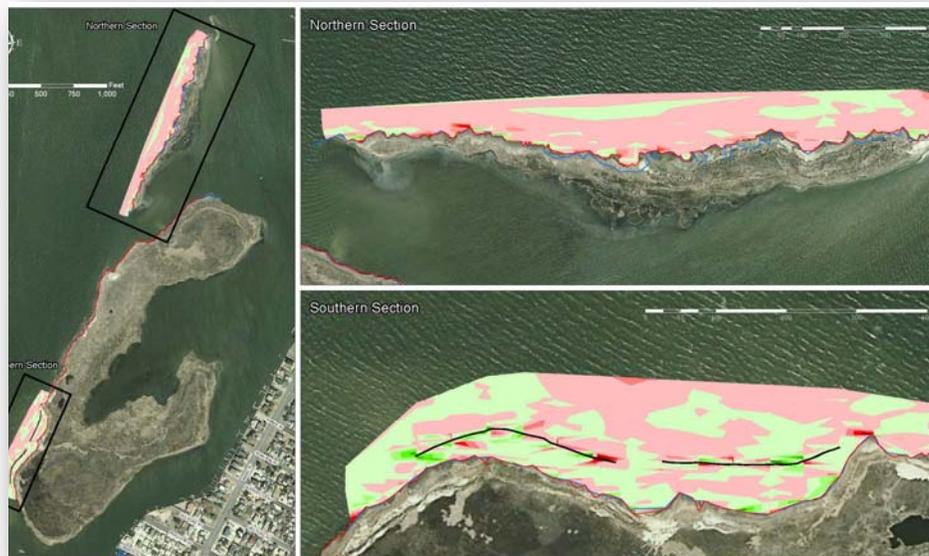
Green colors represent areas where there has been an increase in elevation (accretion of sediment) and red colors represent areas where there has been a decrease in elevation (erosion of sediment). Between the ini-

tial and 6-month surveys, the northern section of Mordecai Island experienced greater elevation changes than the southern section.

While the average elevation changes between the initial and 6-month surveys were minimal in both sections, the northern section had an elevation decrease of -0.1 feet and the southern section had no elevation change. In the northern section, the maximum increase in elevation was 3.26 feet and maximum decrease was -4.41 feet. In the southern section where the geotubes are located, the maximum increase in elevation was 2.26 feet and the maximum decrease in elevation was -2.18 feet.

A 1-year survey of Mordecai Island is recommended to compare with the initial and 6-month surveys and determine to what extent the geotubes at the southern section of Mordecai Island have been contributing to reduced erosion in that area. Based on the elevation change maps, it appears that the geotubes in the southern section are aiding in reducing erosion in that area.

Stockton will present additional survey information along with beach survey data for LBI at the Annual Meeting presentation on August 25th. More photos on page three.



## FIRST SUMMER CASINO NIGHT FUN AND FUNDED!

“Largest Casino Night crowd ever!” “Wow...this is delicious!”  
 “That sure is a beautiful sunset!” “Come on twenty-one...I want to win a bike!”

The Mordecai Land Trust Benefit Casino Night sure was a success! The above quotes were just some of the words heard as funds were raised for Mordecai. The event was held at Little Egg Harbor Yacht Club under a gorgeous sunset, then an evening sky filled with stars. *Tumbling Dice* gave a few lessons here and there, giving gamblers a better chance at winning great prizes. Many round tables and high tops were set up for those who didn't gamble, but wanted to enjoy time with friends.

The evening meal was advertised as “light fare”, but when asked, Elaine and Melissa Stevens (plus crew) gave partygoers anything but “light”. The pulled pork sandwiches were delectable, the pastas plentiful, chicken salad sliders scrumptious, etc. These two ladies sure did go above and beyond – thank you for such a mouth-watering meal!



*Above: Loretta Cuff, Denick Herrin, Lisa Schroader, and Hilary Stoldt pose with “lucky” chips. Below: blackjack players in the game.*

Speaking of going above and beyond, due to Superstorm Sandy we were hesitant to ask our Beach Haven residents, LEHYC members, MLT members, and businesses to donate to our Mordecai fundraiser. However, many donated regardless! Some attendees sponsored gaming tables, while others brought appetizers and volunteered their time bartending, setting up, cleaning up, welcoming our guests as they arrived, etc. Businesses like Barry's Do Me a Flavor, Bistro 14, Country Kettle, Giglio Awning, LEHYC Ship's Store, Ocean Tents, Seawall ARTifacts, Uncle Will's, Wayne Street, and Wyndcrest Homes donated not only monies but advertising, artwork, appetizers, prizes, tables, etc as well.

The Mordecai Land Trust Board would like to thank everyone for attending, and we 'd like to thank everyone who helped us make this an extraordinary evening!



### Miles for Mordecai

“Saving Species One Step at a Time”

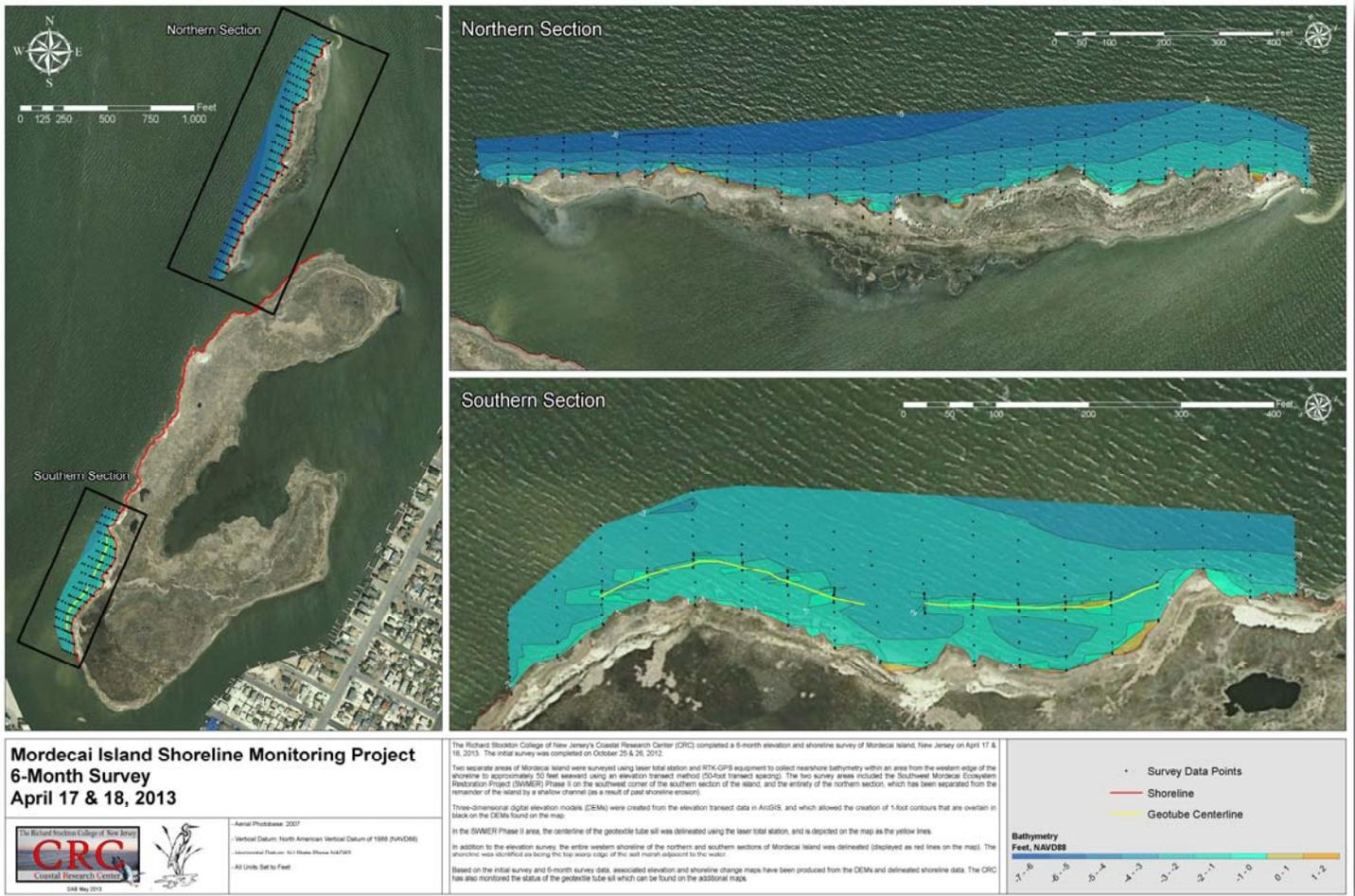
### **Hat and Shirt Sale**

At our Annual Meeting we'll be selling white, pink and khaki/green hats for **\$20**

Plus our grey and green shirts are **on sale** only **\$5** per We have adult Large, Medium, Small

Like and Friend **Miles for Mordecai** on Facebook





## STOCKTON PROJECT – APRIL SURVEY

In the above survey maps, in addition to the elevation survey, the entire western shoreline of the northern and southern sections of Mordecai Island was delineated (displayed as red lines on the map). The shoreline was identified as being the top scarp edge of the salt marsh adjacent to the water.

Based on the initial survey and 6-month survey data, gathered April 17 & 18, 2013, associated elevation and shoreline change maps have been produced from the DEMs and delineated shoreline data. The CRC has also monitored the status of the geotextile tube sill which can be found on the additional maps.

The Stockton Survey Project will be discussed in depth at the Mordecai Annual Meeting on August 25th as part of the presentation by Steven Howard, geospatial analyst at the Stockton Coastal Research Center. He will also report on Stockton's work on the erosion to New Jersey's beaches caused by Hurricane Sandy.

## ANNUAL PRESENTATION – EROSION!

The presentation by Stockton geospatial analyst Steven Howard on August 25th will not just focus on Mordecai and the elevation and shoreline survey underway on the island, but will also report on the erosion to New Jersey's beaches caused by Hurricane Sandy. Howard has been heavily involved in these projects and brings a wealth of information to the presentation.

While within the Borough of Beach Haven all of the beach front easements have been signed, in other parts of the island there are a number of hold outs. The Coastal Research study shows that where replenishment existed along the coastline, these parts of the beaches were spared from Sandy.

As regards the Mordecai shoreline, the Trust is currently working with Reclam the Bay on a project that involves planting oyster beds and shoreline preservation, with the Stockton surveys critical for assessment of the island for this and future preservation and restoration efforts.

Mordecai Land Trust  
PO Box 1414  
Beach Haven, NJ 08008-0084



Address Correction Required

*Mordecai Matters*

---

*A publication of Mordecai Land Trust  
Linda L. Colgan, Jeanne Runne, Shelley Spicer,  
Richard G. Oelkers, Editors  
Email: [info@mordecaimatters.org](mailto:info@mordecaimatters.org)*

**We're on the web! [Mordecaimatters.org](http://Mordecaimatters.org)**

You are invited to attend  
*The Mordecai Land Trust*  
Annual Meeting and Presentation

- ◆ The Mordecai Island Elevation and Shoreline Survey
- ◆ Erosion to New Jersey Beaches from Hurricane Sandy

Presented by  
Steven Howard, Geospatial Analyst  
Richard Stockton College of New Jersey's Coastal Research Center

Sunday, August 25th, 5:00 PM  
LBI Historical Museum  
Engleside Avenue, Beach Haven, NJ