



2011 EVENTS

Trustees Meeting

Thursday, March 3rd
7:30 PM
Conference Call

Miles for Mordecai

Saturday, May 28th (AM)
Rain date, Sunday, May 29th

Trustees Meeting

Friday, June 10th
7:00 PM
Molly Allison

House Tour & Sunset Over

Mordecai Cocktail Party

Saturday, July 16th
2-8 PM

Little Egg Harbor Yacht Club

Annual Meeting

Sunday, August 21st
Molly Allison

Fall Clean-Up

Saturday, September 24th

Casino Night Fundraiser

Saturday, October 8th

Trustees Meeting

Sunday, October 9th
Molly Allison

Read Jim Dugan's daily blog of the SWMER II project on pages 2, 3 and 4. To see a video of the geotubes in action during a nor'easter go to:

<http://www.youtube.com/watch?v=46u-VSxe4jo>

SWMER II COMPLETED

The long-awaited SWMER II project got underway early this October with the staged delivery of piles of pipe, supplies and strange machinery at the end of Pelham Avenue and the arrival of a barge with a crane at a bulkhead at the end of Virginia Avenue in Beach Haven. This assemblage was the result of much careful planning, searching for appropriate materials and scheduling on the part of Jim Dugan, President of Pond Recovery Services of Hainesport, NJ, the contractor for the job.

Following the staging of all the necessary gear and material, the first order of business was to install a piling at the edge of Mordecai across Liberty Thorofare from the end of Pelham Avenue. This was to hold a leader wire to support pipe running under water from the sand/water pump to the island with the pipe eventually extending from there across the island and out to the Geotubes.

As was reported in the last issue of Mordecai Matters, SWMER II involves the installation of close to 600' of huge sand-filled fabric tubes (called Geotubes) slightly off the south-western edge of Mordecai Island. The erosion has been severe here and the hope is to stabilize this fragile part of the Island and encourage the deposition of grasses and other organic materials between the island's edge and the two long sections of Geotube.

The tube is approximately 20' around and has a stabilizing wing on each side of the bottom. These were filled with sand to prevent the large tube from rolling. The unfilled fabric tube with its wings was wound on a mandrel (like a paper towel on its tube) to be transported and unwound when its ends were supported. The whole huge roll was carried to a convenient spot near the island by a barge, unwound and physically pulled

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SWMER II continued

by men in the water in wetsuits into place to follow the contour of the edge of the island. Only when each long section of Geotube had been pulled into its planned contour could sand finally be pumped into the wings and the main tube.

In the meantime, a crew at the end of Pelham Avenue was assembling and testing the sand pumping apparatus to be sure all the pipe connections were secure, that the sand delivery system properly metered the right amount of sand at the right rate and the pump could deliver its carefully calibrated slurry of sand and water (about 20% sand and 80% water) to the other side of Mordecai. A line of dump trucks arrived on a precise schedule so a front end loader could keep the sand delivery machine filled as it dropped a metered amount of sand into the pump. Even the sand was specially selected to be ultra fine and absolutely clean, so nothing could clog the pipe out to the Geotubes. The island end of the sand pipe was mounted on a small barge so the delivery nozzle could be easily moved to the entry ports on the Geotubes and wings.

Tide and weather also played a big role in completion of the project. While there were days of good weather, October saw almost two weeks of the highest tides the island has experienced in a long time as well as many days of extremely high winds and not a little rain.

Jim Dugan kept us posted with progress reports many days after work. His story and pictures bear testament to a large and complex job well done!

Phil Flagler

JIM DUGAN'S SWMER II BLOG

Following with selected photos is the email blog that Jim Dugan sent initially to Jeanne Runne, Ed Gorleski, John Cramner, and then to Phil Flagler.

October 15: Friday's Progress

Hi Jeanne, Ed, John

The weather did throw us a curve ball yesterday PM and today- heavy rain and 40 MPH winds. But we got 3 ½ days of quality prep time. Set up time on projects of this sort are hectic and take up a majority of the schedule. We hope to have the underwater and floating pipeline installed and the South tube staked into position



by mid to late next week.

We took a few photos of the crew setting the stakes for the east anchor tubes Thursday morning before the rain. We'll try to take more pictures as things come together and settle into a routine. Regards, Jim

October 18: Monday's Progress

Hi Phil

You missed the action. First thing, we dug ourselves out from the mess left by the 40mph sustained weekend west winds. Then we moved across the Thorofare to 1901 Virginia where we assembled and launched the "sink line". This was one of the trickiest challenges of the project. We had to float and tow the 400 ft. cable reinforced 6" sand delivery line from 1901 Virginia and connect it from Pelham Ave. to the island, secure it, get the air out of it, then install weights and sink it. All the while with a strong current and boat traffic. Schedule wise the spec calls for the deflectors and biologs to be installed after the geotube portion of the project is completed. Tuesday and Wednesday we run the rest of our pipeline and hook up the diverter barge to the geotube area, install and debug the sand feeding system, assemble the tube spreader bar rotator, and run the system on water. If all goes well, we may install the south tube from the spud barge and pump sand into its anchor tubes Thursday.

Hope to see you tomorrow. Jim



October 19: Tuesday's Progress

Phil

It was good meeting you today. We hooked up and ran the sand hopper-feeder and installed the land pipeline. Tomorrow we'll hook up the terminal sand injectors and pressure test the system on water. We also hope to calibrate the sand feeder system. We took some pics while running the pipeline. John Hiros, whom you met, tells me he saw a Black-crowned Night Heron, American Egret, and of course Brants, Commorants, and local hungry Mallards.

Regards Jim

October 21: Thursday's Progress

Hi Phil

Good to meet up again. We moved most of the sand injection components and the diverter barge to the island, pressure tested the system on water (found some leaks), assembled the geotube spreader rig, and installed and ran the sand feeder and distributor.

Looks like we'll only get another 3 ½ quality days in again this week. West winds gusting to 30 MPH Thursday thru Friday night and subsiding Saturday PM.

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SWMER II continued

Tomorrow we fix some leaks, final calibrate the sand feeder, test the pipeline pressure drop on sand, stockpile more sand, mount the geotubes on the spud barge, transport it to Virginia Ave., and hook up the spreader rig. Then we wait out the wind, but we won't deploy the south tube and fill it's anchor tubes probably anytime before this Sunday.

Regards, Jim

October 24: Sunday's Progress

Hi Phil

Good to see you again. It was a fruitful day. We got the window we needed to deploy the first tube (South) Sunday morning before the wind and tidal current picked up. We were able to anchor the apron tubes and part of the main tube with sand against the Southwest winds upcoming this week. We'll continue to pump sand as a new front allows. "Unsettled weather" is how NOAA describes it.

Regards, Jim

October 25: Monday's Progress

Phil

We continued to fill the South tube today and the major sections of it are stabilized with 107 tons of sand.

(The diverter barge allows us to fill the anchor tubes simultaneously at the required lower fill rate or the main tube, or any combination. This maintains the velocity in the transfer pipeline to preclude settling.)



If we get a wind and storm window, we'll take advantage of it to deploy, stake and start filling the second (North) tube. This may happen

tomorrow. Then we'll fill sand back and forth between the two as the wind, current, and tide allows. Jim

October 26: Tuesday's Progress

Hi Phil

Good to see you again. As you know, we had a fruitful day. The North tube went in successfully and we were able to stake the entire tube and anchor the Southwest side. We'll continue filling both tubes well into next week, weather permitting. Tomorrow might be a washout. Jim

October 28: Thursday's Progress

Hi Phil

As expected yesterday, Wednesday, was a washout and/or blowout. But we had a good day today despite the SW wind and waves.

Among other things, we learned that taxing and erosive waves, both to us and the island bank, came about 2 1/2 minutes after any large boat (say, plus 28') would pass by in the ICW.

Both tubes now have sand their entire length and contain about 300 tons of sand total.

If you're interested, we also have short videos of the sand feeder system in operation and wind driven waves breaking up and over our tallest geotube berm; (sort of - like- ocean surf over the bar.) And it isn't filled yet to the MHW of 3'6". (This week and last showed a high tide at least about a foot higher than the MHW, probably due to the astronomical and lunar tides the past two weeks.)



Next morning, we expect to add another 100 tons or so to the anchor tubes at low tide and into the main tubes tomorrow in the PM. But the wind will be gusting from the Northwest at 30 mph, presenting new challenges.

Regards, Jim

November 1: Friday and Monday Progress

Hi Phil

Last Friday was mostly a blowout with West winds relentless at 30. But today was successful. We continued to fill the South tube and it's emerging as a barrier, as you can see from the photos. The boat waves still come over and through, but their amplitude and frequency seem softer. We've received and pumped about 475 tons of sand so far. Jim



November 4: Wednesday's Progress

Hi Phil

Glad you made it out to see the geotubes. We're in the final stages of topping off the tubes. Thursday calls for thunderstorms and 18 mph Northeast winds, so it might be a washout. Jim

November 5: Friday's Progress

Phil/Ed

20-25 MPH West winds and the astronomical (new moon) tides made it difficult to keep our floating pipelines in place without kinking. We managed to get a load and a half transferred anyway. (Yesterday was even worse with the additional



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rain.) About 725 tons of sand have been pumped into the tubes so far. Jim

November 19: Progress week of 11-15

Hi Phil

We finally had good wind and tides this week and were able to top off the tubes and start on the biologs. The total sand pumped to the tubes was 852 tons. We had some left over and we deposited it on the anchor aprons. The next tasks are to seal off the tube inlet socks with hog rings and finish the biologs and current deflectors. We left the anchor tube locator pipes on the bay side of the tubes in place. The intent is to



discourage curious boats from coming too close to the tubes. We can put reflectors on these if needed.

Regards, Jim

December 3: Progress week of November 11-29

Hi Phil

It was good to meet up again. Here's the latest photos of the biologs (below right) and the current deflectors (below left) being installed. We're pretty much finished with the work except for some final removal of equipment and housekeeping. We left the bayside metal locating poles in place to dissuade curious boats from coming too close to the tubes. We'll be inspecting the site from time to time and would be happy to remove them if desirable.



Each photo and phase of work is a story in itself and I'd be happy to answer any questions that come to mind. We intend to put a project summary together in power point form that may answer some questions. We learned a lot and have had a number of ideas offered regarding future habitat enhancement, but that will be a subject for a later day.



Thanks again for your continued interest and sup-

port. Hope to see you again when we're down to the site.

Regards, Jim

A Letter From Our President

2010 has been a tremendous year for Mordecai Land Trust. This year marks the completion of our first major step towards the protection of Mordecai Island. The SWMER II project was completed this past fall. The goal of the project is to significantly diminish the storm wave erosion of the sedge island. This is the same system that was placed on the beach in the Merrivale Avenue area after last year's devastating beach erosion. The project supervisor was Jim Dugan, President of Pond Recovery Services of Hainesport, NJ, the contractor for the job.

He proved to be an extremely competent and conscientious field manager, providing weekly photos and commentary via e-mail documenting the progression of the geotube installation. In January the entire post with all pictures will be posted on the website. In the meantime, go to <http://www.youtube.com/watch?v=46u-VSXe4jo> to see spectacular video of the geotubes in action during our last nor'easter. I hope this video will bring a sense of accomplishment to all of you; this is the result of your hard work and financial support for the preservation of Mordecai Island.

The Mordecai board of trustees and membership and the entire Beach Haven community needs to recognize and offer a special thanks to Jeanne Runne, Bill Pilling, and John Cranmer for their leadership and perseverance in making SWMER II a reality. To coordinate agreements and permits between three different governmental agencies; the DEP, the Army Corps of Engineers, and the Fish and Wildlife Commission of New Jersey, is no small feat. I am very thankful to work with such talented and dedicated friends.

However, our work is far from complete, the north and northwest areas of the island remain at significant risk. The hurdles for these areas are significant as there is no consensus between our regulatory agencies towards a reasonable solution.

I wish to recognize the contributions of Art Barron. One of our most productive and influential trustees has retired from the MLT Board this year. He has been instrumental with our fundraising, our community outreach and educational programs, as well as supplying a bit of political muscle when necessary. Art's leadership was pivotal in creating the successes that we enjoyed this year. I wish to personally thank Art for his guidance and support.

A special thank you from the Board of Trustees to Jeanne Runne. Her term as president of MLT was exemplified by an unequalled passion and dedication for Mordecai Island. Jeanne's tenacity and persistence was a major factor leading to the great success we have had this year. Her ability to coordinate the many aspects of this organization will serve as a model for the rest of us to follow. The good news is that Jeanne will remain part of the leadership team as the vice-president. Please join me in expressing our deep appreciation to Jeanne for a job well done.

Fundraising in our current economic state is truly difficult. However, the friends of Mordecai continue to show strong financial support. For this we are truly grateful. It is important to remember that this organization is entirely run by volunteers and 100% of the monies raised are directly used towards our mission. When you review your charitable giving this year, please remember MLT, and please mark your calendars for next year's events!

I wish you and your families a terrific holiday season full of family, friends and lots of love and laughter.

Jeffrey Hager, President,
Mordecai Land Trust

THKS ART Art Barron Retires from the Board

You may have noticed Art Barron’s license plate as you were driving around Beach Haven in the summer. I don’t know the story about who put the plate on his BMW convertible, but I do know that there are so many people who owe Art a thank you.

Art Barron is a giant. The former CEO of Paramount Pictures gives you his all when you ask him to be part of your organization. He gives you the good and the bad; and that makes you better. The Mordecai Land Trust was blessed that Art joined our group at the very beginning. He has been our champion, our critic, and often our conscience. Art has chaired many committees, fundraisers, and has rolled up his sleeves when we needed manpower.

Perhaps Art’s greatest contribution has been his relentless campaign to find a sympathetic ear within the federal and local governmental agencies. Art wrote innumerable letters to Congressmen, asking for their support and demanding their attention. And, yes, he got them to notice Mordecai Island.

Thank you Art. From all of us who have been associated with the Mordecai Land Trust and the Mordecai restoration effort, we thank you for your years of service and for educating us on how to get things done. We should all be forever grateful.

Rich Oelkers



Art Barron at “Miles for Mordecai.”

Casino Night Rolls Out Another Great Time

Mordecai Land Trust hosted another fun and successful Casino Night fundraiser on Saturday, October 9th, at the Beach Haven Firehouse. As in prior years, attendees were a cross section of LBI residents and visitors and they all had a good time.

Many thanks to our fundraising committee - Marilyn Thomas, Pat Miller, Sharon Stefanoni, Kathleen Birch, Linda Colgan, Sharon Twomey, Missy Maschal, Jeanne Runne, Bev Mitchell and Norrie Oelkers - for once again organizing this event. Our thanks also go to Sweet Jenny’s Restaurant and Rommel’s Liquors for their support and to the area businesses and restaurants (please look at the list in the “Thank You” box to the right and remember to support them in return) that were so generous in donating prizes.



The Mordecai Land Trust thanks the following for their generous support this year:

- Acme Surf & Sport
- G. Anderson Agency
- Barry’s Do-Me-A-Flavor
- The Beach House
- Bistro 14
- The Boat House
- The Coral Seas & the Kelly Family
- Crust & Crumb Bakery
- The Engleside
- Maschal’s Country Kettle Fudge/Chowda
- FOP #5
- Morrison’s & the Kleber Family
- Panzones
- Pearl Street Market
- Re/Max Tideline Properties: Edward A. Freeman
- Rommels Liquor Store
- The Seashell
- Song of the Sea
- Sweet Jenny’s
- Tucker’s
- Uncle Will’s
- Wyndecrest Home

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Address Correction Required

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We're on the web! Mordecaimatters.org

Happy Holidays



From your friends at the Mordecai Land Trust

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