

# **Upham Beach T-Head Groin Repair Project**

## **(Updated October 17, 2011)**

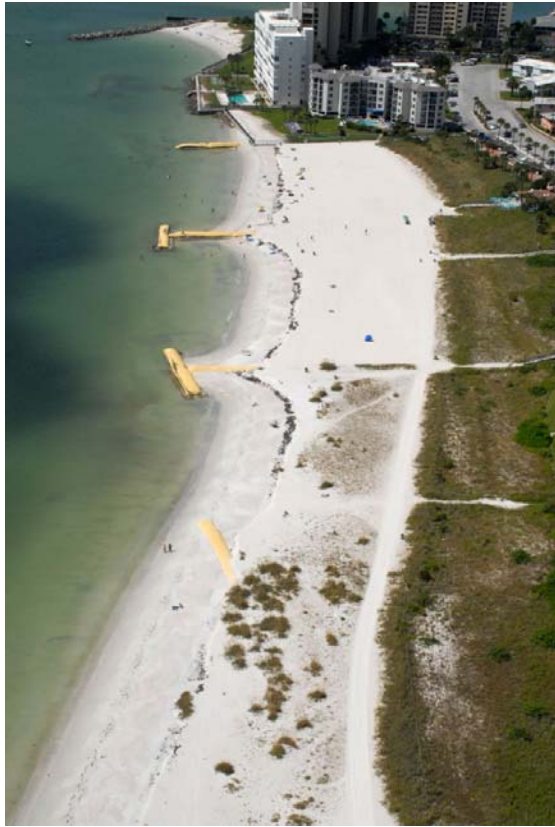
### **PROJECT STATUS**

**The geotube repair project schedule was “substantially” complete July 15, 2011 and officially completed October 14, 2011. Note that Groin 1 is the northernmost structure; Groin 5 is the southernmost structure.**

### **PROJECT CHRONOLOGY**

1. August 2010 - The bid plans and specifications for the repair of the geotubes were advertised August 27, 2010. The bid opening was September 21, 2010 and the project was awarded to Gator Dredging on October 12, 2010.
2. November 2010 - The construction contractor began mobilizing November 17, 2010.
3. December 2010 - During December 2010 the contractor was unable to protect and stabilize the beach at Groin 1. By January 2, the contractor moved on to Groin 2 while developing an approach to re-excavate Groin 1.
4. April 2011 - The work replacing all 10 damaged Groin 2 geotubes was completed.
5. June 2011 - The work replacing all nine damaged Groin 1 geotubes was completed during the week of June 20<sup>th</sup>.
6. July 2011 - Work on Groin 3 to replace three geotubes and patch holes was completed during July 2011 as well as patching holes on Groins 4 and 5. The project was substantially complete July 15, 2011.
7. August 2011 - The site was inspected August 31 and a few remaining “punch list” items remain to be completed. The rough surf during the first week of September has delayed completion of the “punch list” items.
8. September 2011 - The remaining “punch list” items include: removal of debris seaward of Groin 1 and Groin 2, resealing of fill ports, and repairing and trimming areas where geotube polyurea coating has peeled loose.
9. October 2011 - The remaining “punch list” items and the entire project were deemed complete October 14, 2011. The contractor is still required to address “warranty” items that include minor repairs to a few areas where the yellow polyurea coating has peeled from the geotextile material at the ends of some of the tubes of Groin 1 and 2.

# PROJECT PHOTOS



**Upham Beach 9-15-10**



**Upham Beach 8-1-11**



**Upham Beach 8-1-11**

## **NEXT STEPS**

The long-term plan is to eventually install permanent rock structures to replace the temporary geotube structures. Rock structures could not be installed this year due to lack of funding and a State permit for the work. The installation of permanent rock structures is currently scheduled for 2013 assuming the necessary funding and permits are acquired. Once permanent structures are installed, the frequency of nourishment projects is expected to decrease substantially and repair projects of the magnitude of the existing work should no longer be needed.

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