



Issues affecting our treasured coastlines

Beach Briefs - June 13, 2016

Beach Monitoring Begins Week of June 20

Weather permitting, the second annual physical monitoring of the 2013-14 Sanibel and Captiva Islands Beach Renourishment Project will begin June 20. The purpose of the monitoring is to evaluate the performance and effectiveness of the project. Although you may see a boat hovering off the beach, there will be no disruption to beachgoers.

Required by the Florida Department of Environmental Protection, monitoring surveys are conducted annually for a period of three (3) years after project completion and then bi-annually until the next beach nourishment event or the expiration of the project design life. The project began October 7, 2013 and was completed on December 26, 2013.

The work will be done by CB&I Coastal Planning & Engineering, Inc. using a 24-foot survey vessel loaded with the latest hi-tech survey and monitoring gear. Topographic and bathymetric profile surveys of the beach and offshore are conducted. Survey and engineering reports summarize and discuss the data, the performance of the beach fill project, and identify erosion and accretion patterns within the monitored area. Results are analyzed for patterns, trends, or changes between annual surveys and cumulatively since project construction.

In addition, the report will contain a comparative review of project performance to performance expectations and identification of adverse effects attributable to the project. The report specifically includes:

- the volume and percentage of advance nourishment lost since the last beach nourishment project;
- the most recent Mean High Water (MHW) shoreline positions in comparison with the design profile;
- the MHW shoreline position changes relative to the pre-construction survey;
- the total measured remaining sand volume in comparison with the total predicted remaining volume above the MHW Line and above the Depth of Closure for the entire project area over the successive monitoring periods;
- and other shoreline position and volumetric analysis deemed useful in assessing, with quantitative measurements, the performance of the project.

Questions should be directed to CEPD by calling us at 239-472-2472, or by emailing us at mycepd@mycepd.com.



Survey Boat