

**Minutes**  
**Beaches & Shores Advisory Committee**  
**Field Trip**  
**Tuesday, November 30, 2010**  
**Doctors Pass, 3<sup>rd</sup> Avenue South, Hideaway Beach,**  
**Coaxambas Pass, Naples, and Marco Island, FL**

**Members Present**

Robert Pierce, Chairman  
Dick Whitney, Vice Chair  
Kevyn Schweim  
Tommy Brock  
Clifford Kewley (Incoming Member)

**Excused**

Bill Weller  
David Nellis

**Staff Present**

Missy L. Christie, Environmental Specialist

**Guests**

Michael Poff, CEC  
Sarah Clever, CEC  
Steve Riley, Englewood Sun Papers

**I. Call to Order/Roll Call/Determination of Quorum**

A quorum was present.

The **Beaches and Shores Advisory Committee Field Trip** commenced on November 30, 2010 at 7:45AM beginning at the Murdock Administration Building. Carpooling from the Administrative Building, The Advisory Committee proceeded to Naples, FL and met with Michael Poff at the office of Coastal Engineering Consultant's Inc. (CEC). After a brief overview, and distribution of maps provided by Michael Poff, the group proceeded to their first groin inspection at Doctors Pass.

**Doctors Pass**

At Doctors Pass, the group walked the beach to the Pass. On the south side of the Pass the group inspected the area while **Michael Poff**, (CEC) provided information about the Pass. This inlet was jettied decades ago to fix the location of inlet. The inlet was dredged every 3 to 4 years with the sand bypassed to the downdrift beach. In 1996 CEC assisted the County in extending the jetty using a curved design by Suboceanic and Turrell and Assoc. to induce scour velocities. This extended the dredge interval to every 4 to 5 years. The downdrift impacts have been offset by two major beach projects, inlet dredging / sand bypassing, and several truck haul projects. Jetties are one approach to managing Stump Pass noting the downdrift impacts will have to be quantified and mitigated for. Cost sharing may also be of issue.

**3rd Avenue South Pier**

From doctors Pass the group proceeded to 3<sup>rd</sup> Avenue South Pier.

**Michael Poff** (CEC) explained to the group that the beach segment has experienced less erosion than beaches north and south due to the presence of the permeable pile cluster groin. CEC and the County worked with the Univ. of FL to study these structures and developed design criteria through wave tank experiments. Permeable groins are one approach for stabilizing the Updrift Beach Fill. While they are less effective than a impermeable terminal groin, they are much lower in cost and easily adaptable.

### **Hideaway Beach**

**Michael Poff** gave the Committee an onsite overview of Hideaway Pass and outlined areas. This shoreline, located on the south side of Big Marco Pass, has been erosional as the loss of Coconut Island exposed it to direct wave attack, plus the currents through the pass erode the beach. Humiston & Moore designed three t-groin fields to stabilize the shoreline within the localized influence of the structures. If Stump Pass management were to cease, this approach could be expected for stabilizing the beach fronting the properties along the Palm Island shoreline on the south side of pass.

### **Coxanbass Pass**

**Michael Poff** (CEC) explained how CEC prepared the conceptual plan for the breakwaters to cause a depositional area off the tip of Marco Island to recreate the shoal that once existed and served to perch the majority of the gulf front shoreline. Humiston and Moore assisted the County install them in 1996 and they have successfully reduced the erosion rate along the south end of the island. Localized erosion continues and CEC is currently studying alternatives to further reduce the erosion and offset the localized erosion segment. This approach could be considered for management of Stump Pass and the Updrift Beach.

At each of the stops, committee members asked questions regarding the various systems. Michael Poff (CEC) provided answers. The tour concluded and the group returned to Murdock Administration at 5:30 AM.

## **II. Next Meeting**

The next meeting is scheduled for Thursday, January 6, 2011 at **9:00a.m.** in Room B-106.

**APPROVED ON:  
January 6, 2011**

***S. L. Williamson***

Sandra L. Williamson,  
Administrative Assistant I