

## **Outline**

- Motivation
- Location / stakeholders
- History
- Dredging & disposal practices
- Coastal engineering analyses
- Recommendations



## **Motivation & Goals**

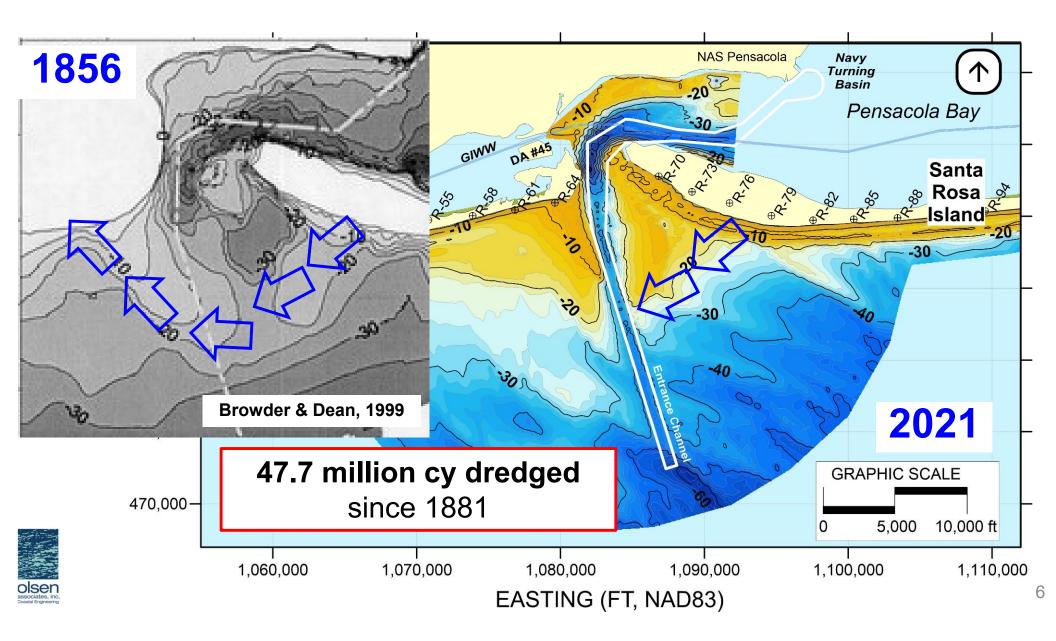
- Mitigate for inlet impacts
- Maintain adjacent shorelines
  - Beach recreation
  - Habitat (Perdido Key beach mouse, shorebirds, sea turtles)
  - Cultural resources
- Steward valuable sand resources
- Develop an Inlet Management Plan

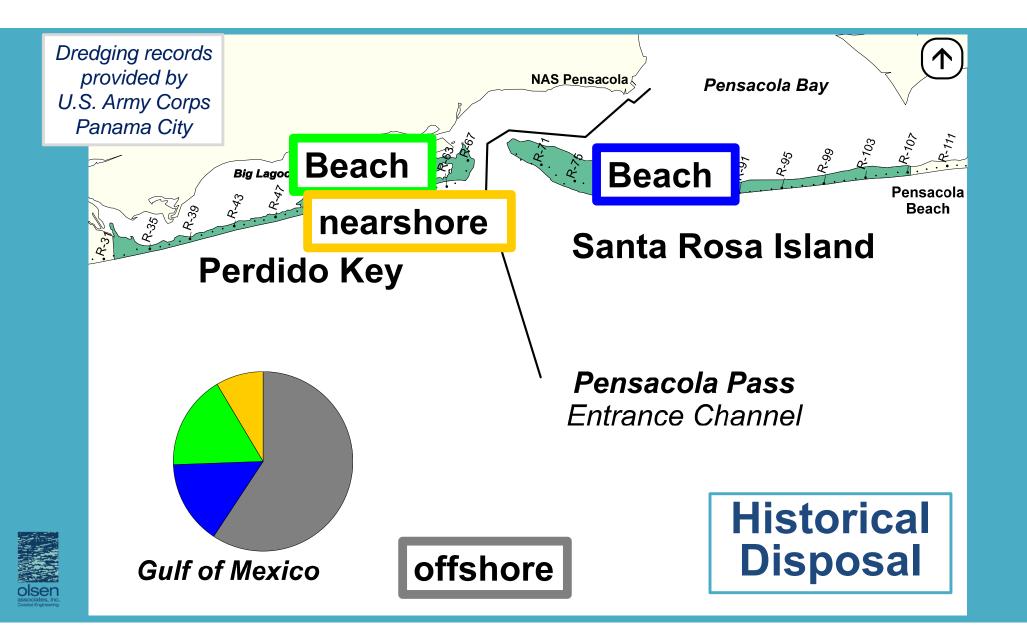


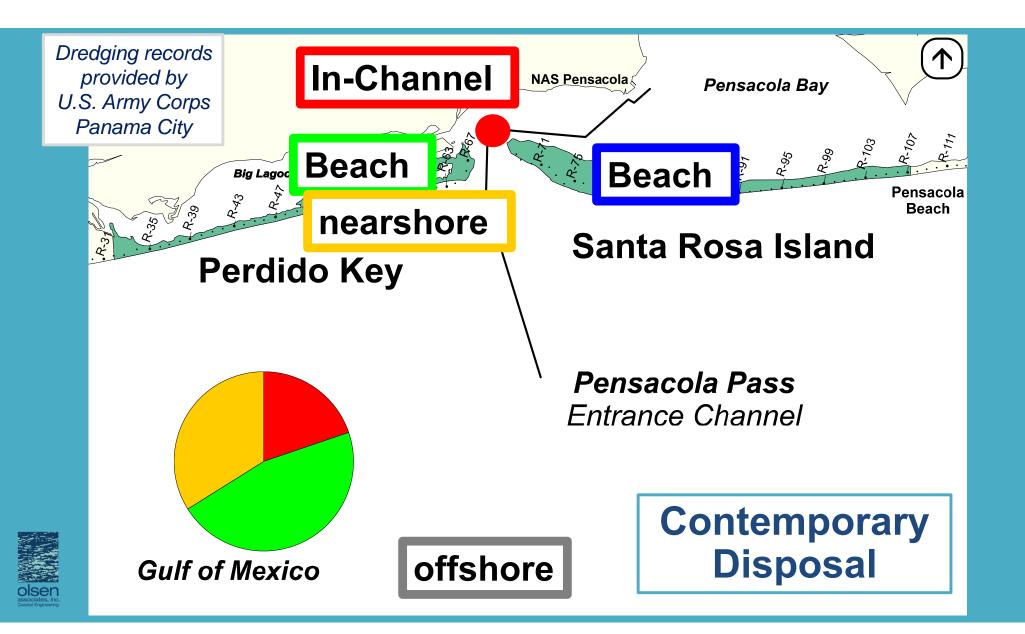


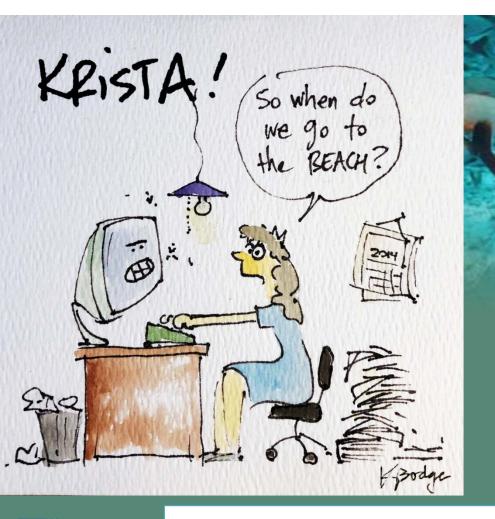








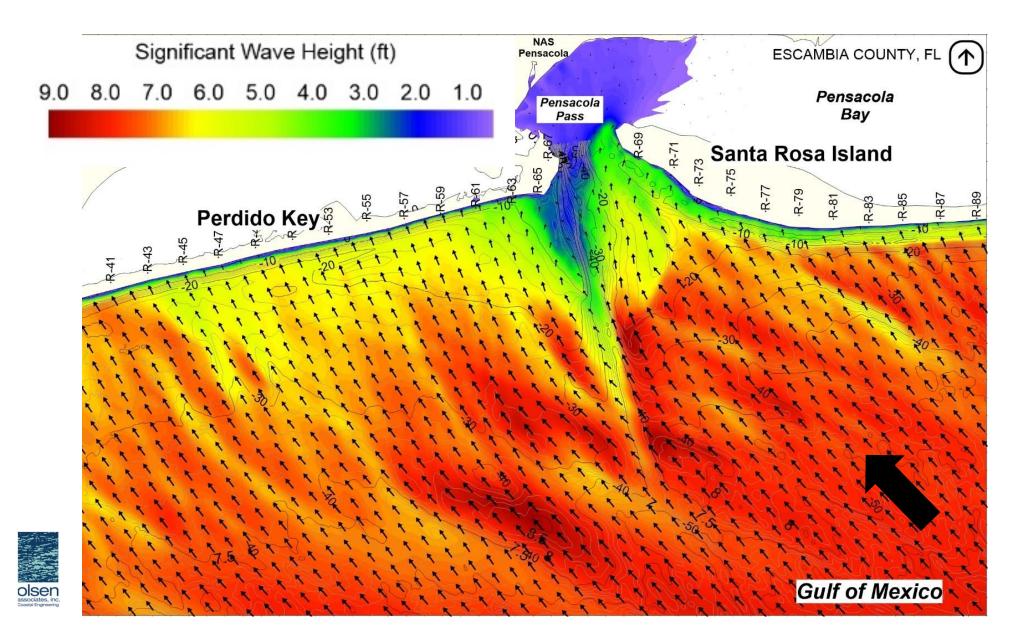


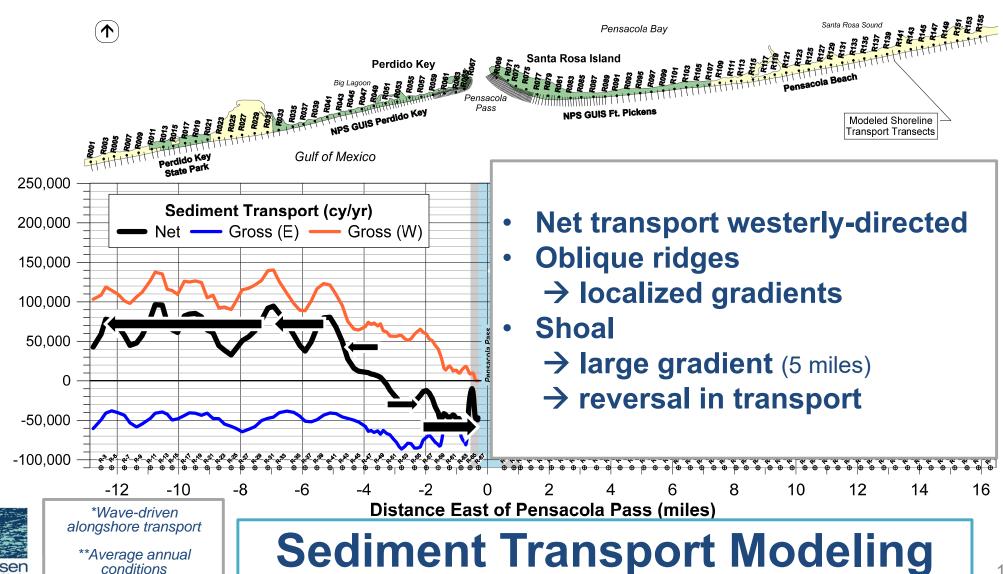


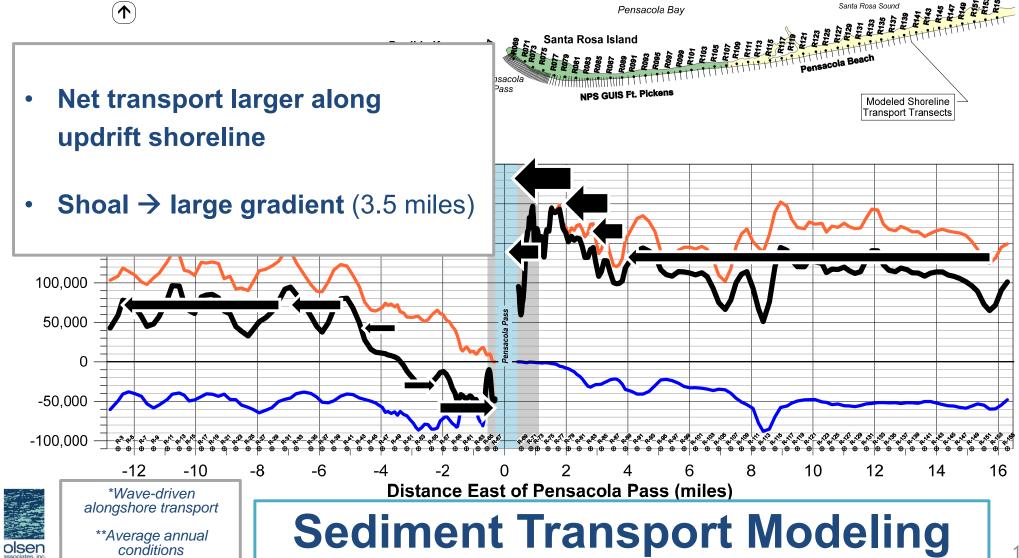
- Numerical modeling
- Volumetric changes in the shoal & adjacent beaches
- Sediment budget
- Recommendations

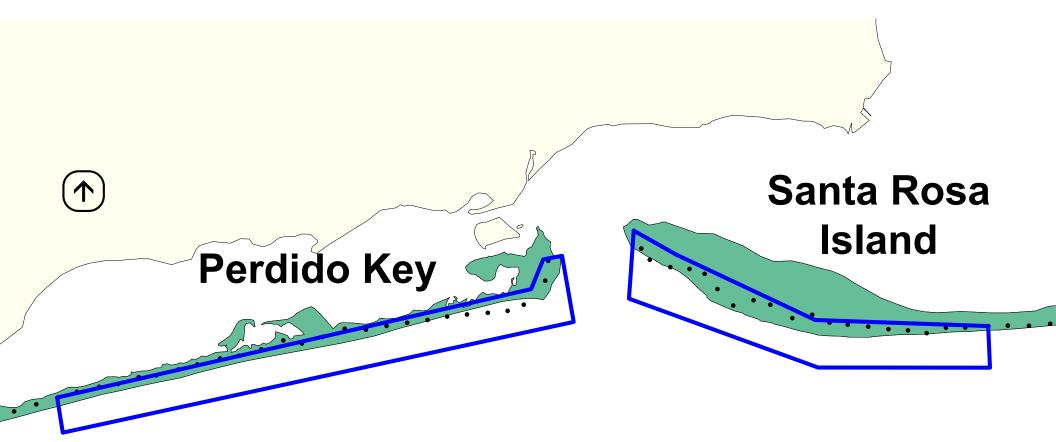


**Coastal Engineering Analyses** 





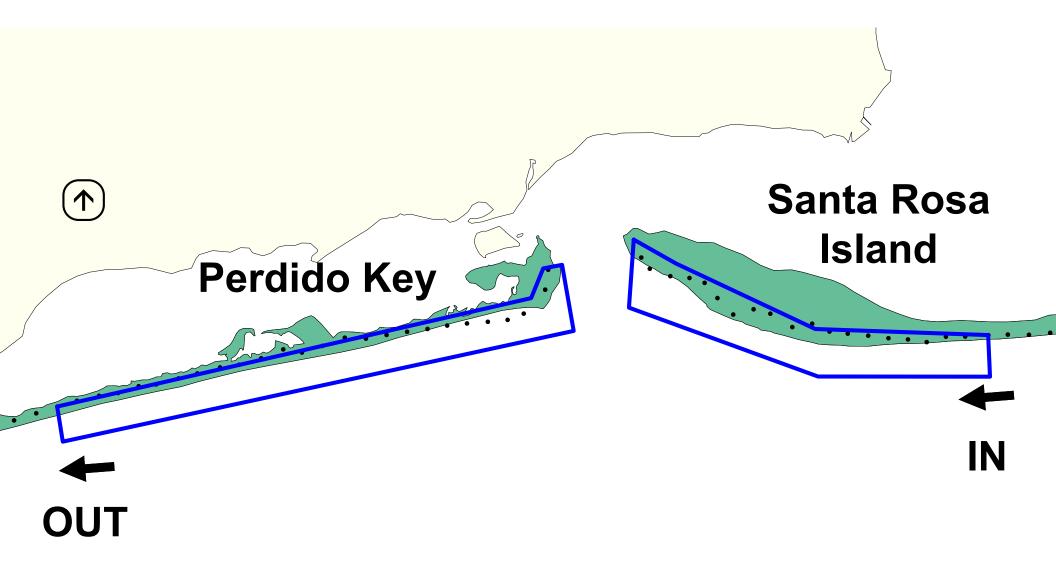




Downdrift impact 5 miles

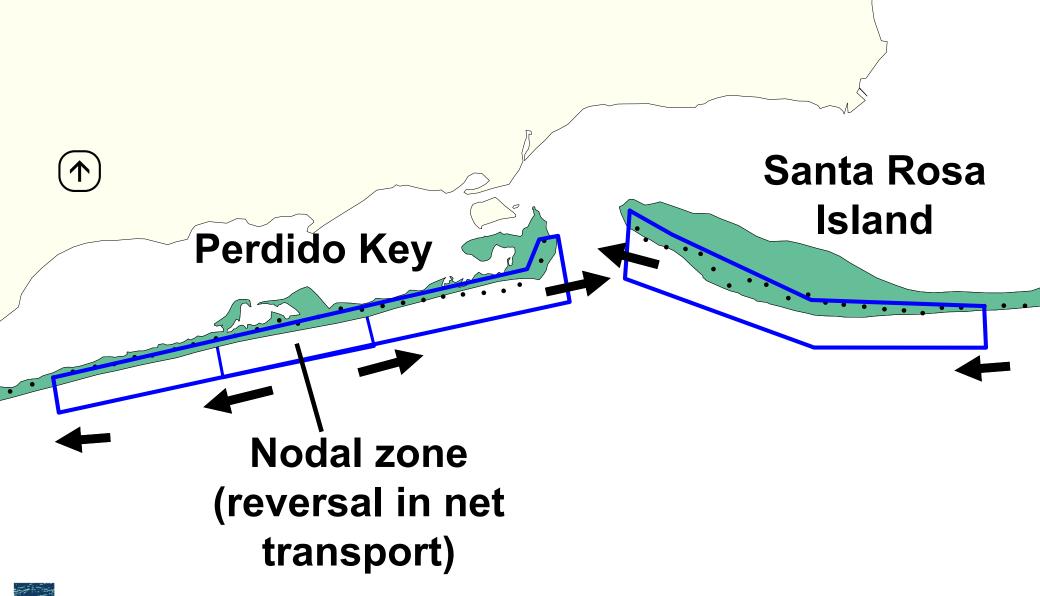
Updrift impact 3.5 miles



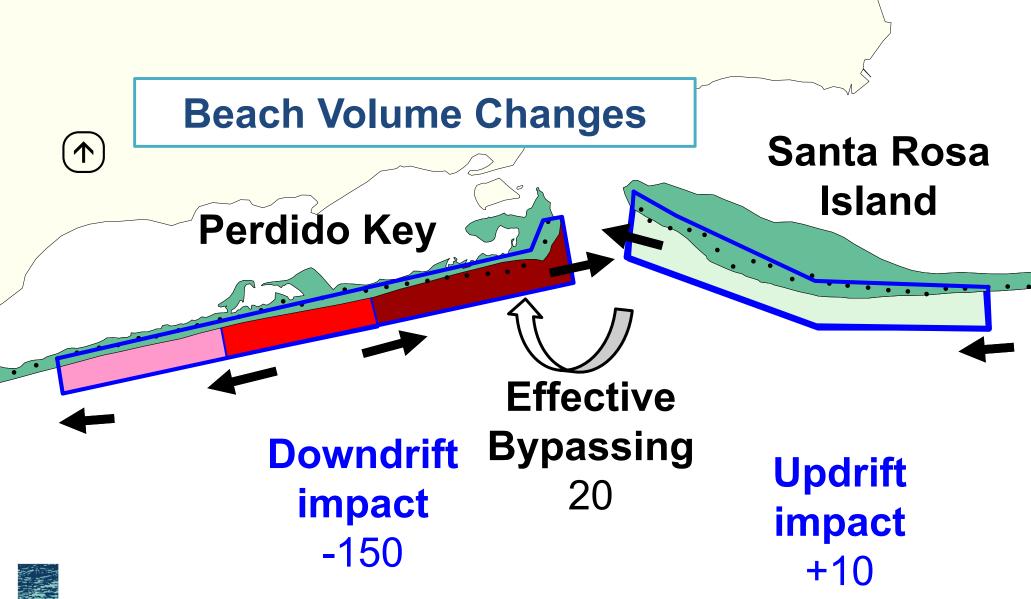




## **Transport IN greater than OUT**

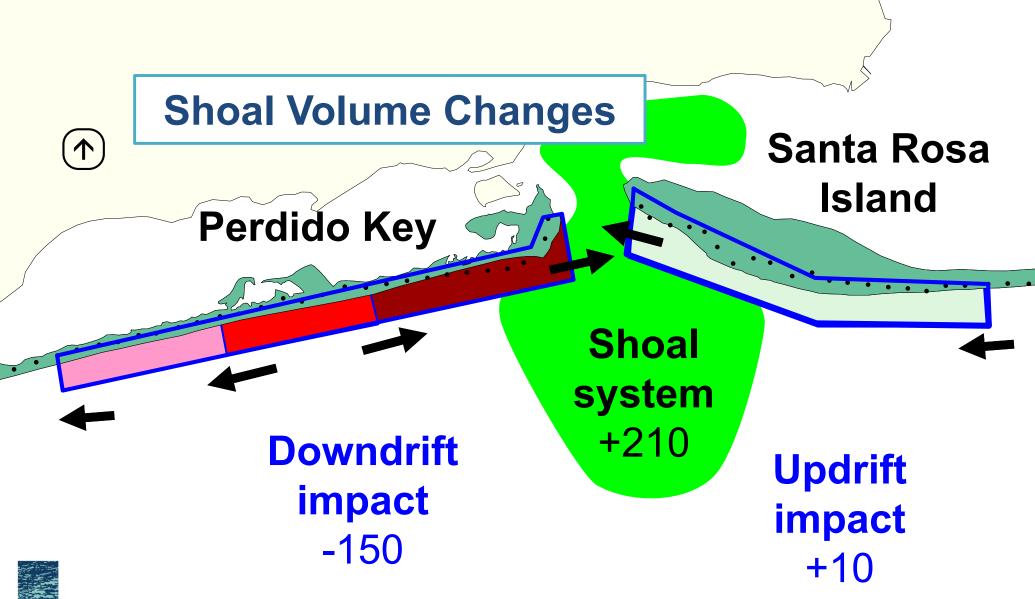






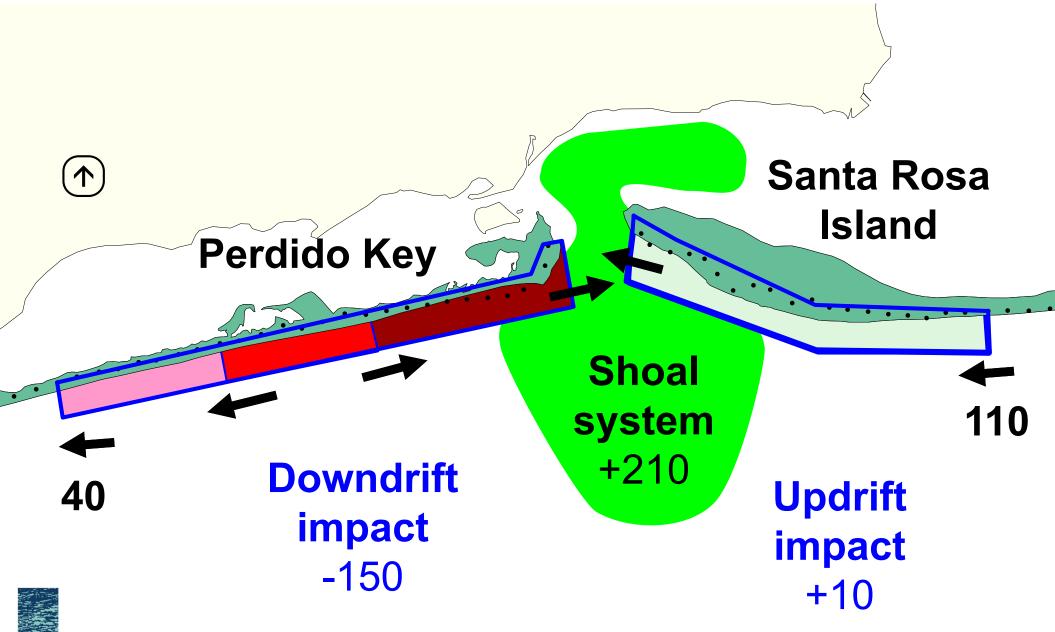


Values in thousands of cubic yards per year

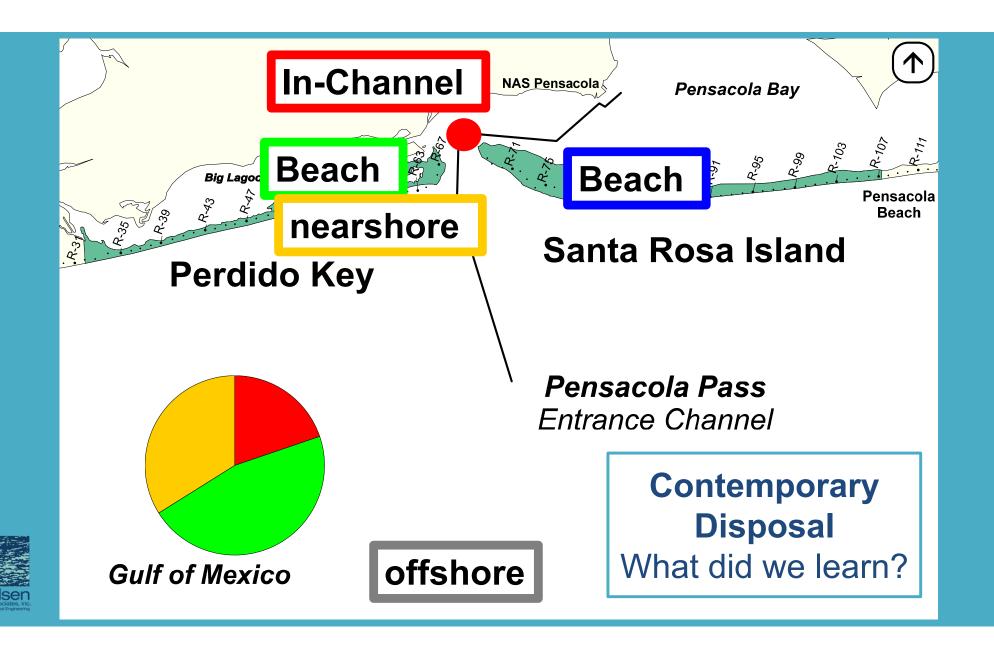


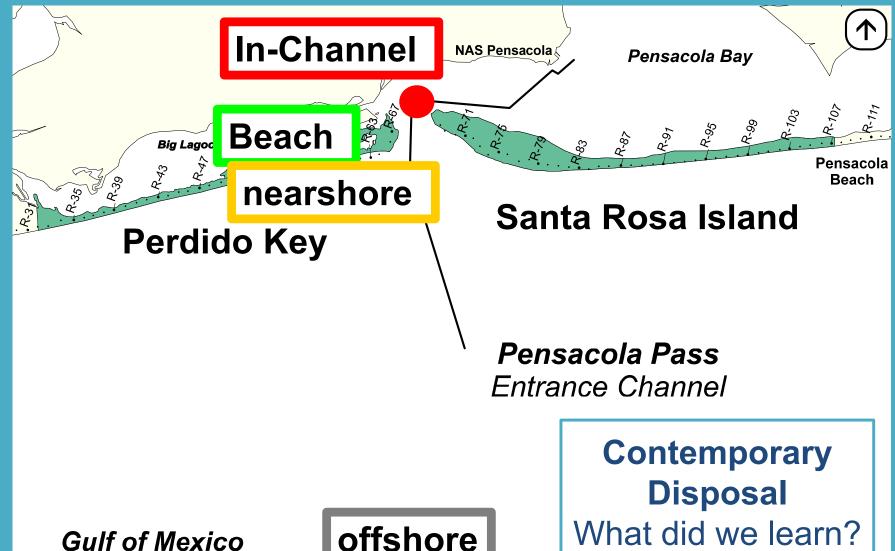


Values in thousands of cubic yards per year

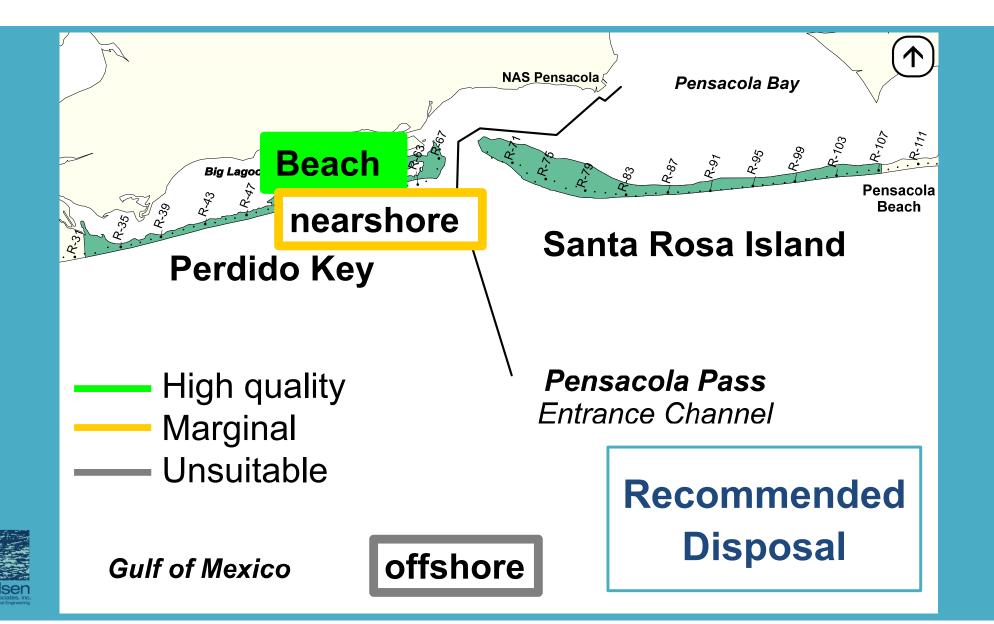


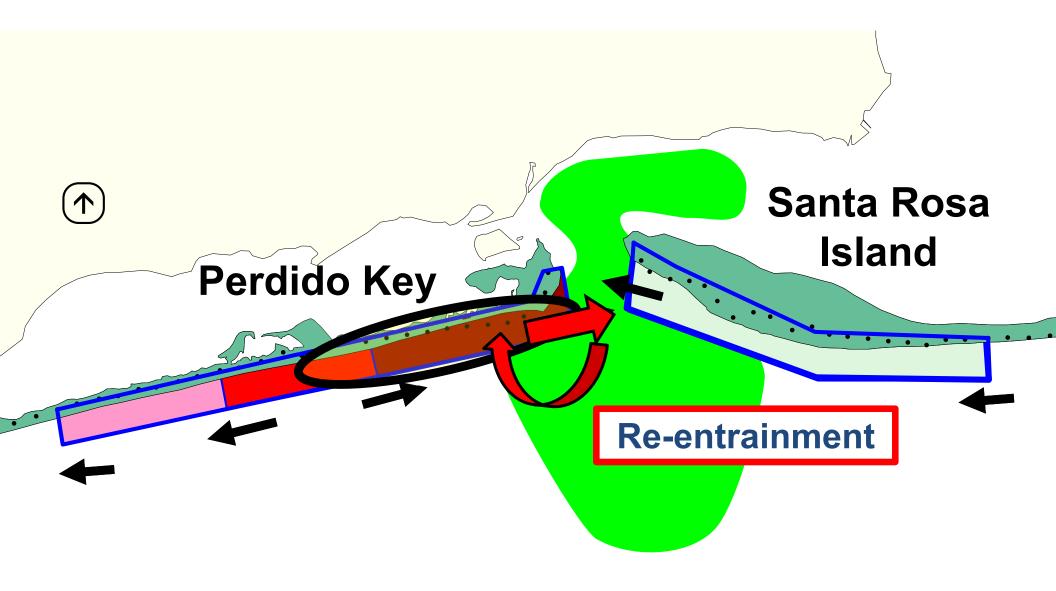
Values in thousands of cubic yards per year





offshore







**Location of Sand Placement** 

