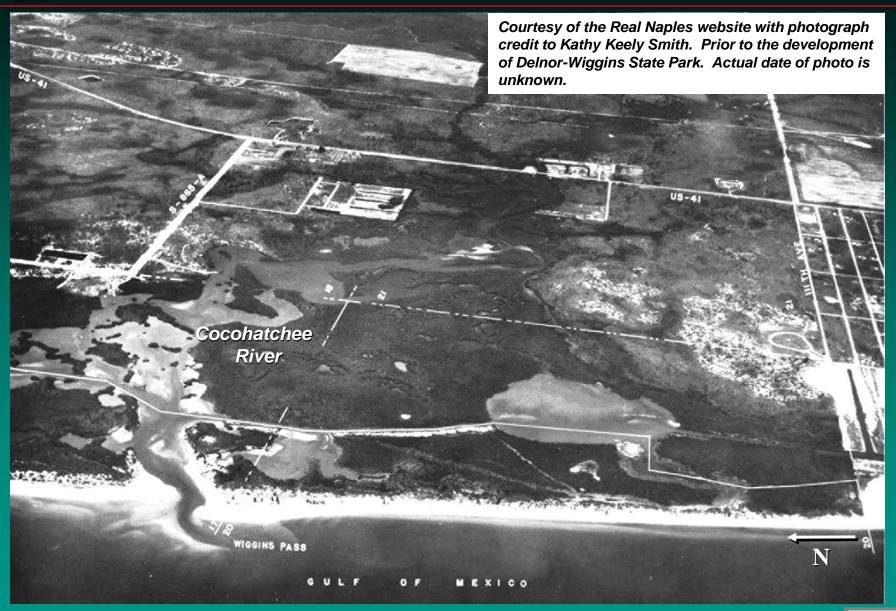


Wiggins Pass





Wiggins Pass – Circa 1960

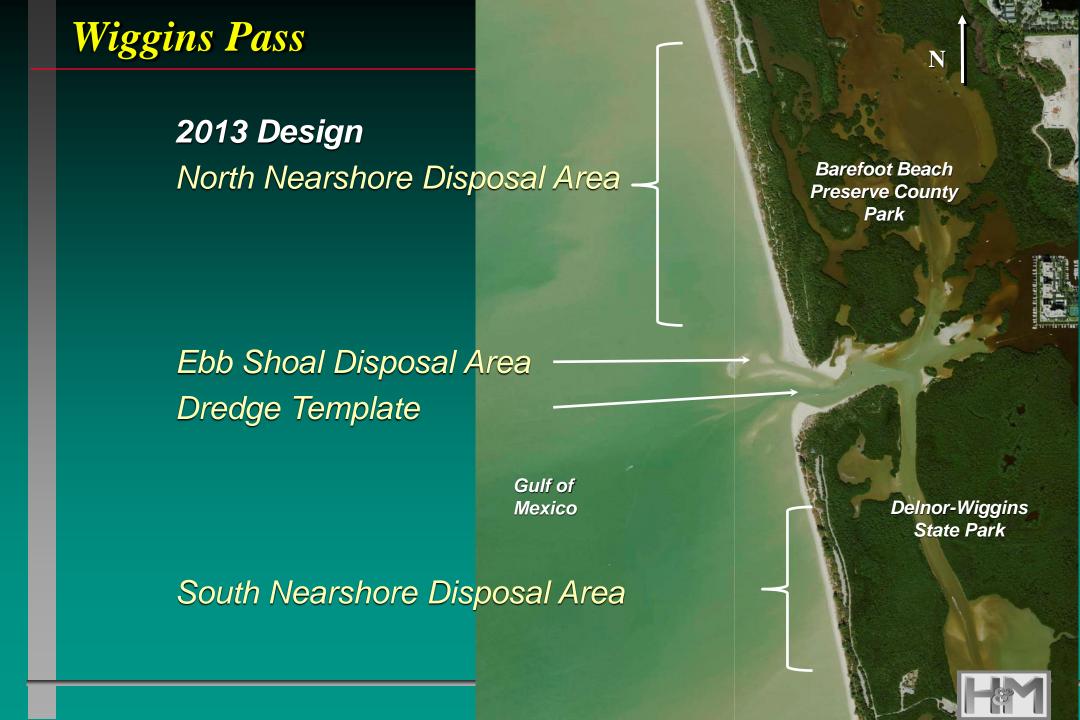




Wiggins Pass – 2007







Wiggins Pass - August 24, 2016





Clam Pass

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Clam Pass – December 29, 1952





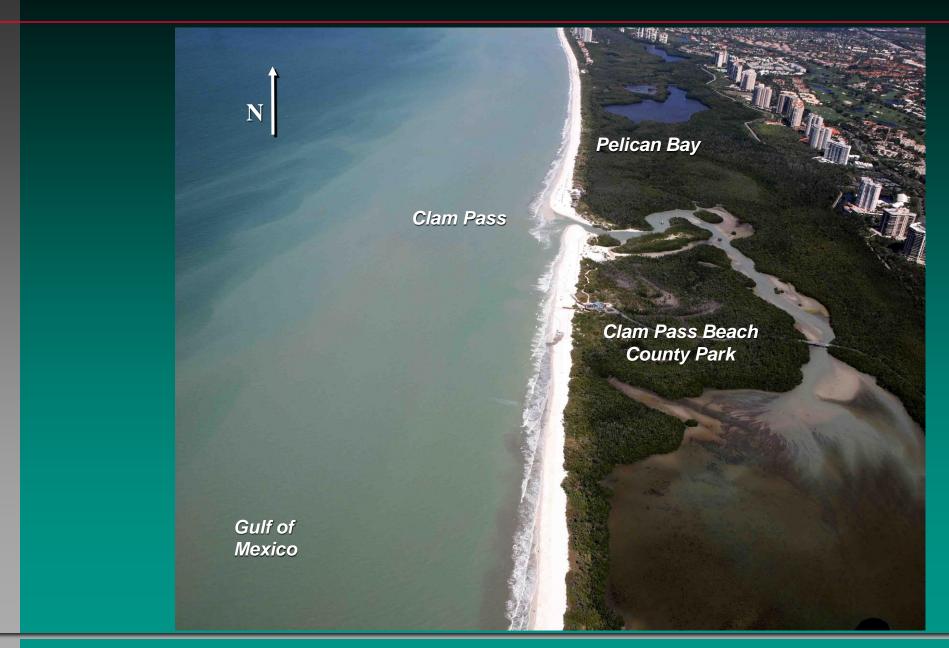
Clam Pass – NRPA

Clam Bay Natural Resource Protection Area

The Benthic Habitat Study
Area of the Clam Bay
Estuarine Complex. Clam
Bay Natural Resource
Protection Area (NRPA)
Benthic Habitat
Assessment, Worley and
Schmid 2010.



Clam Pass – March 2007



Clam Pass – 1999 Dredge Plan









Cut #1 Cut #2 Cut #3

1998 Clam Bay Management Plan

- > Dredge Flood Shoal Region
- Dredge Tributary Cuts



Clam Pass – Pre-Dredge 1998



Date of Photo August 16, 1998



Clam Pass – Dredging 1999



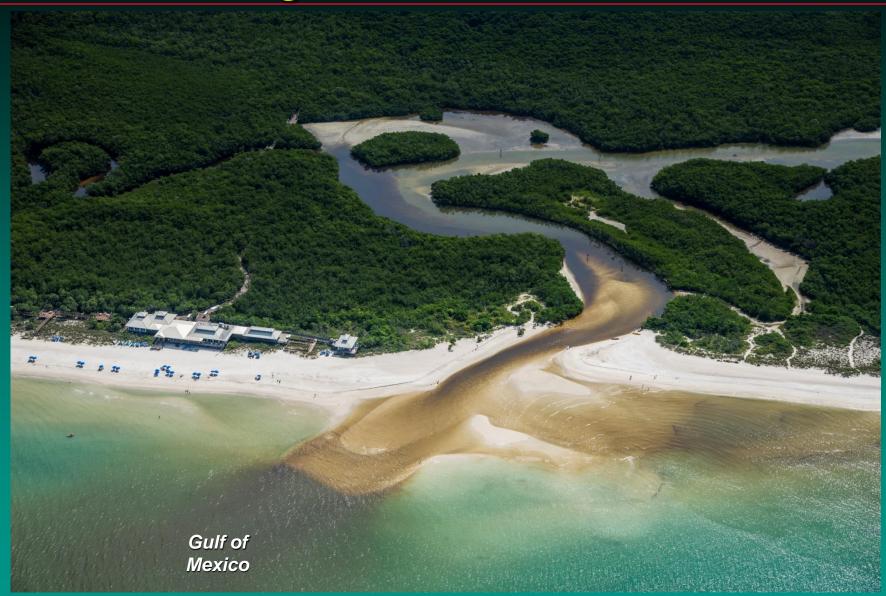


Clam Pass – Post Dredging 2000





Clam Pass – August 2016





Doctors Pass





Doctors Pass – 1958



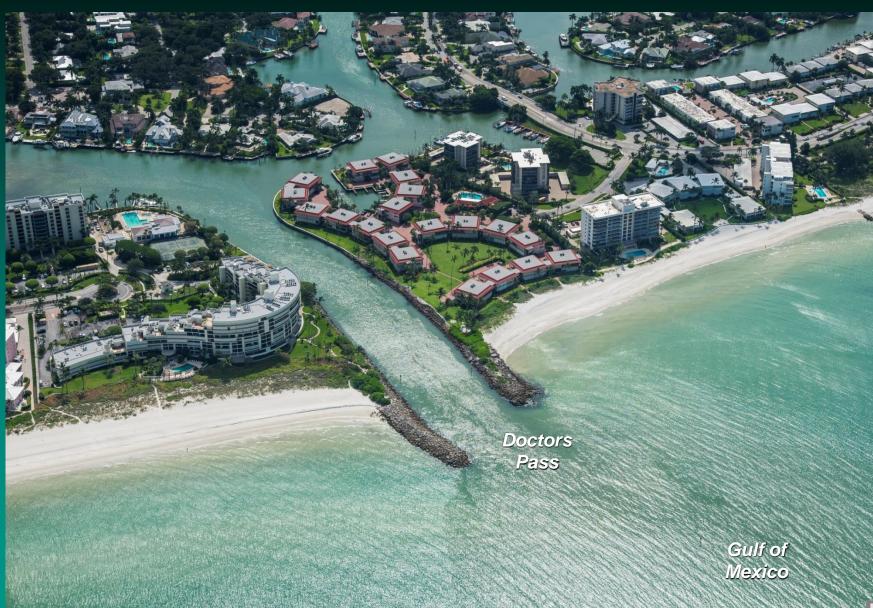


Doctors Pass – Circa 1960



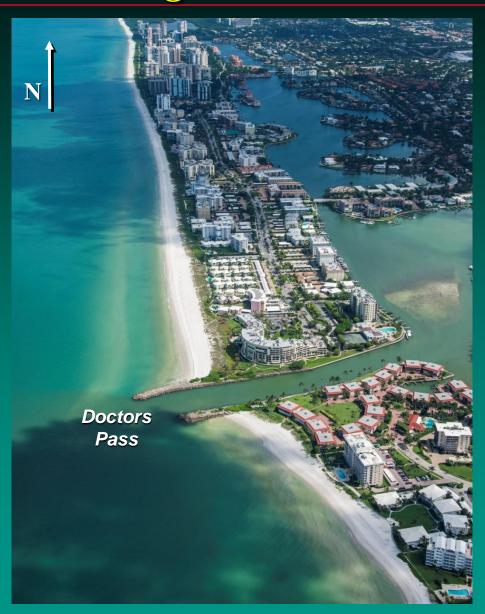


Doctors Pass - August 2016





Doctors Pass - August 2016



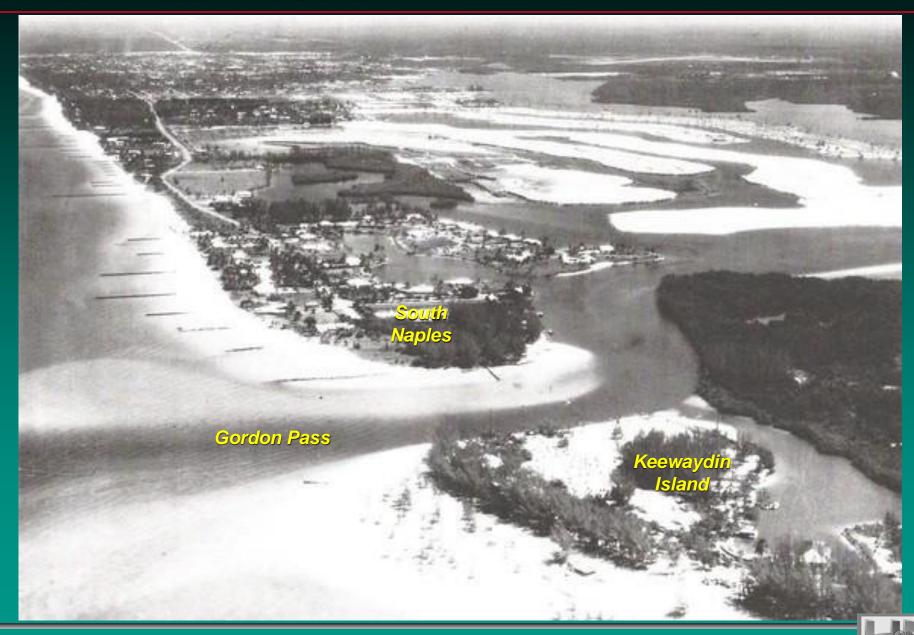


Gordon Pass





Gordon Pass – 1950's

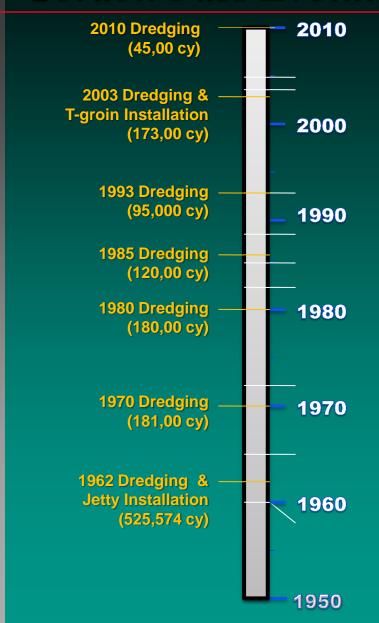


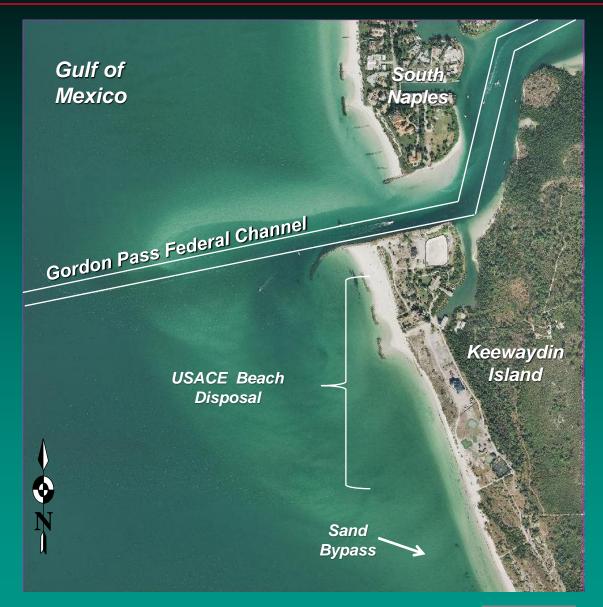
Gordon Pass - 1962





Gordon Pass Evolution







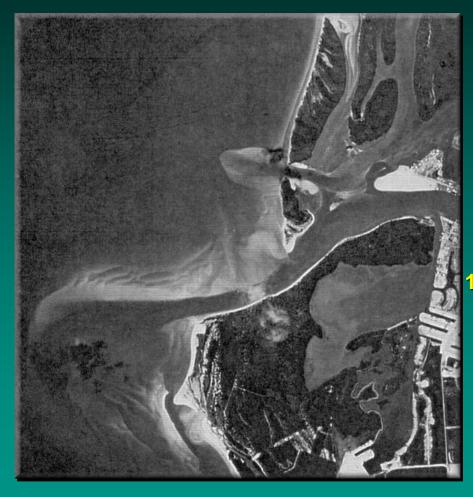
Big Marco/Capri Pass



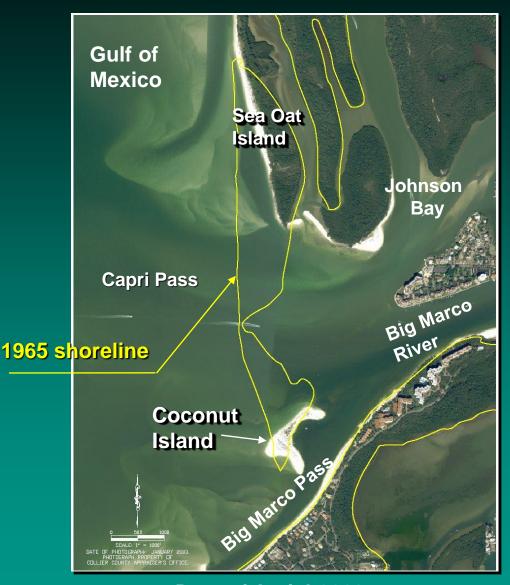


Big Marco/Capri Pass Background

Capri Pass Evolution







Date of Aerial 2003



Big Marco/Capri Pass Dredging (a) 1991 Marco Beach Restoration Project (b) (b) Hideaway Beach Restoration 2005 (c) & (d) (c) Hideaway Beach Restoration 2010 (d) Hideaway Beach and Central Marco 2016 **Big Marco Pass CWA**

Date of Photo 2016

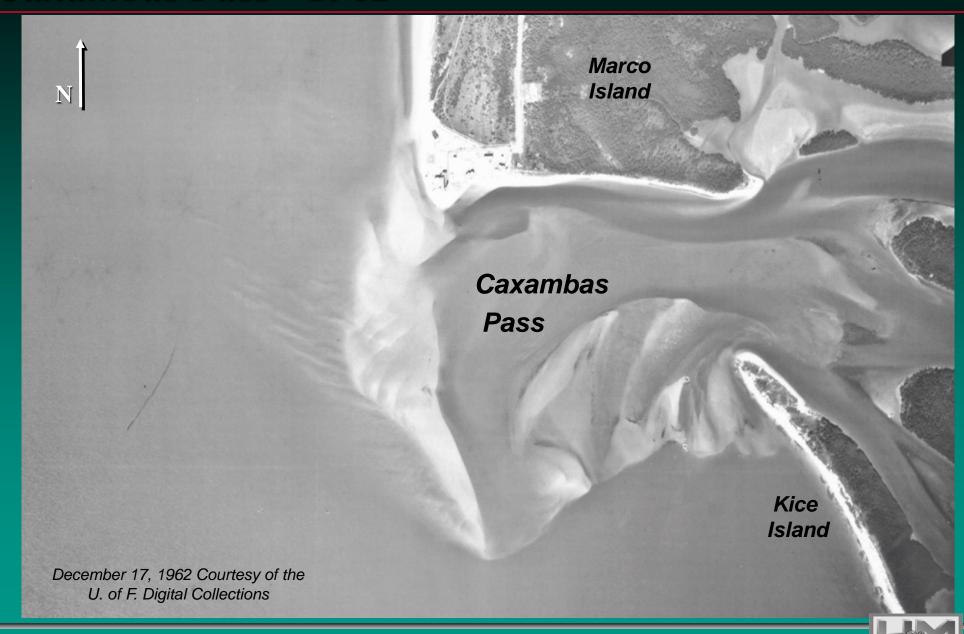


Caxambas Pass





Caxambas Pass - 1962



Caxambas Pass – September 6, 1992



Caxambas Pass South Marco – May 2016





Caxambas Pass



Caxambas Pass – May 24, 2016





Marco Island Monitoring and Sand Placement

Collier Creek

Permitted Sand
Placement and Monitoring

- Collier Creek Dredging
 Sand Placement Area
- Hideaway Beach
 Renourishment Project
- Marco Island Beach
 Regrade Project
- South Marco
 Renourishment Project
- Monitoring Area by City of Marco and Collier County

Hideaway Beach
Renourishment
Project

Marco Island Regrade Project Dredging

South Marco Renourishment Project

Caxambas Pass

Kice Island

Annualized Inlet Dredging Wiggins to Gordon Pass

1. Wiggins Pass (2000 - 2005) 23,000 cy/yr

2. Clam Pass (1999 – 2016) 4,000 cy/yr

3. Doctors Pass (2005 - 2013) 10,000 cy/yr

4. Gordon Pass (2003 – 2016) 16,000 cy/yr

Total: North Collier – Naples: 53,000 cy/yr

530,000 cy/10 yrs

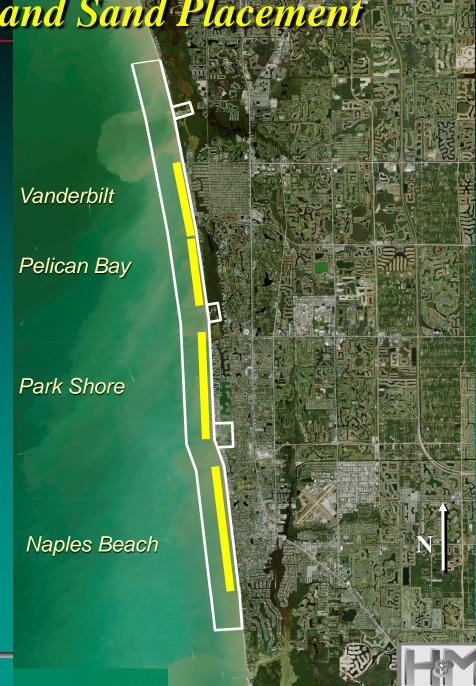


Collier County Monitoring and Sand Placement

Permitted Sand Placement and Monitoring

Collier Beach
Renourishment Project
(Vanderbilt, Pelican
Bay, Park Shore, and
Naples Beaches).

Monitoring Area



Collier County Beach & Inlet Program Management

Permitted Sand Placement and Monitoring

- Wiggins Pass DredgingClam Pass DredgingDoctors Pass Dredging
- Collier Beach
 Renourishment Project
 (Vanderbilt, Pelican
 Bay, Park Shore, and
 Naples Beaches).
 - Monitoring Area

