



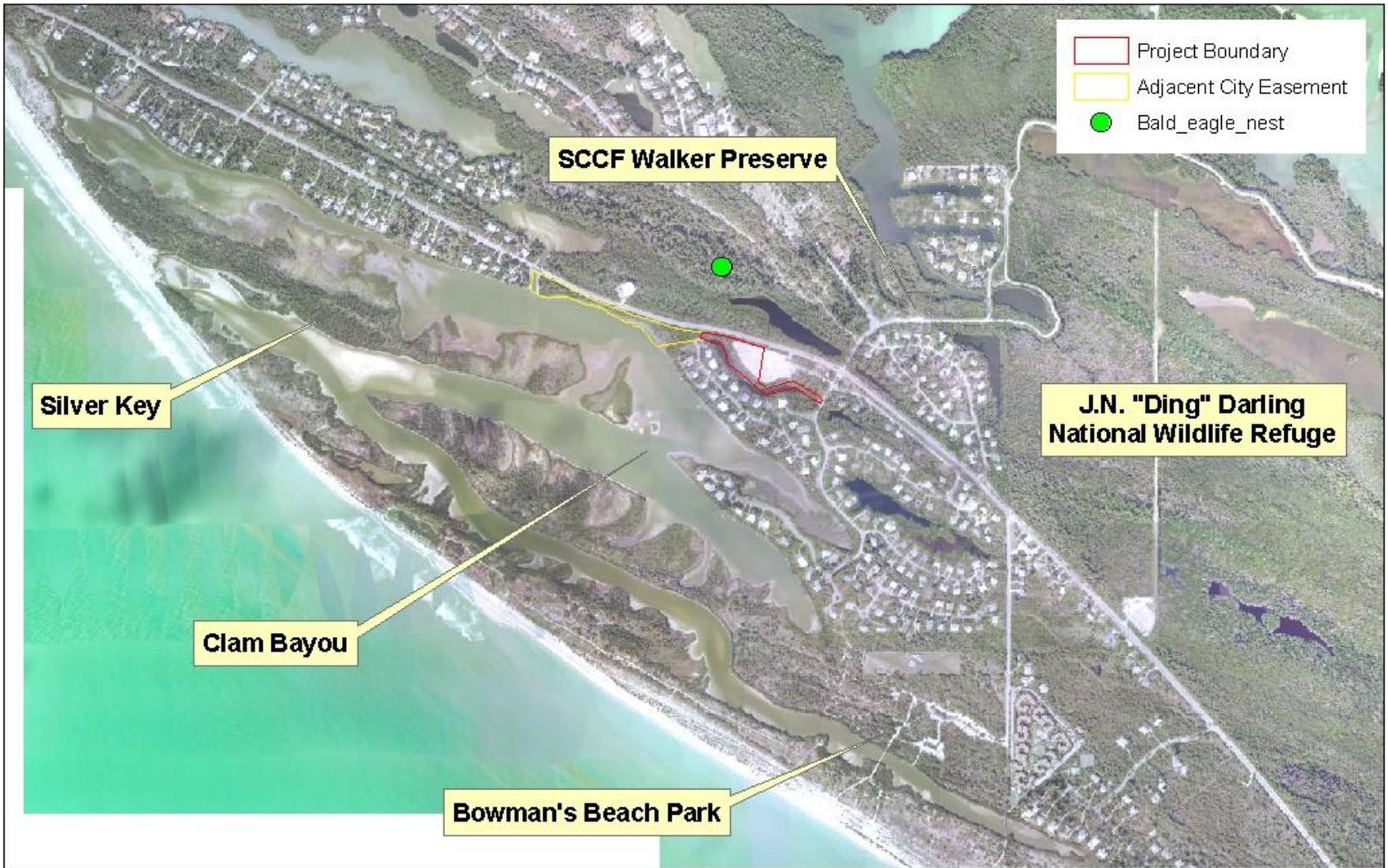
**SANIBEL**  
A BARRIER ISLAND SANCTUARY



# **Sanibel Bayous Preserve Restoration Project**

## **City Council Update August 2, 2016**

Holly Milbrandt, Environmental Biologist



Project Boundary  
 Adjacent City Easement  
● Bald\_eagle\_nest



**City of Sanibel**  
 800 Dunlop Road  
 Sanibel, FL  
 (239) 472-3700



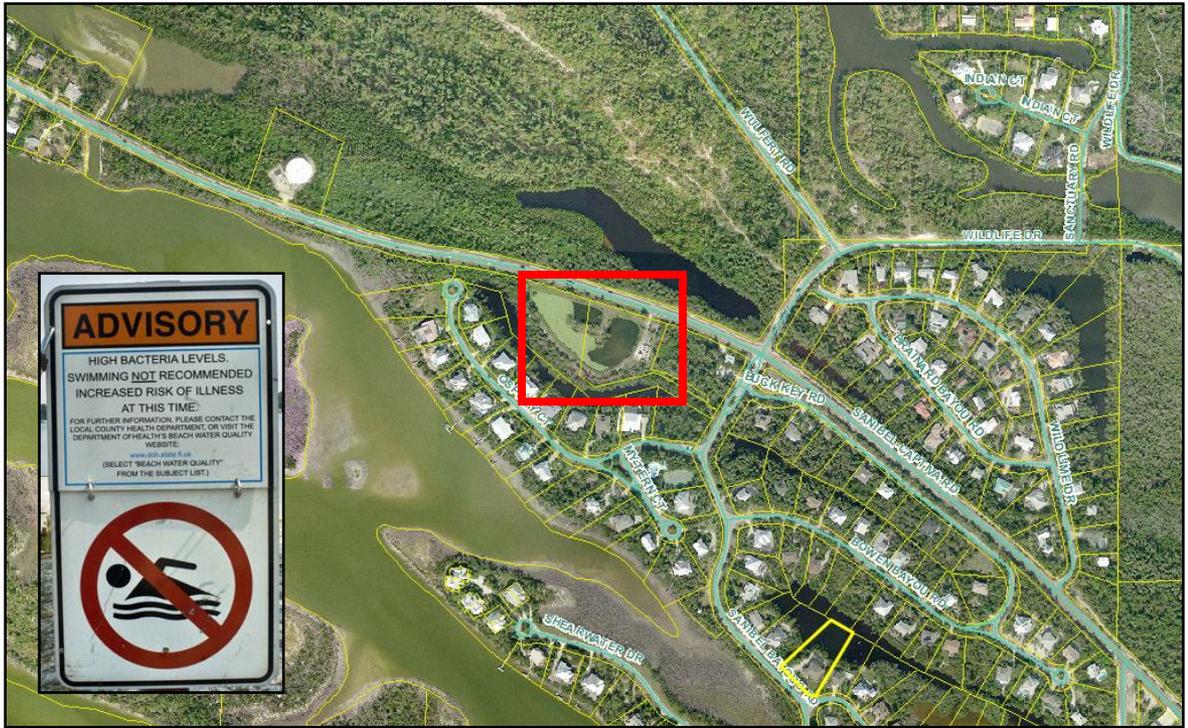
**Sanibel Bayous Package Plant Restoration Project**

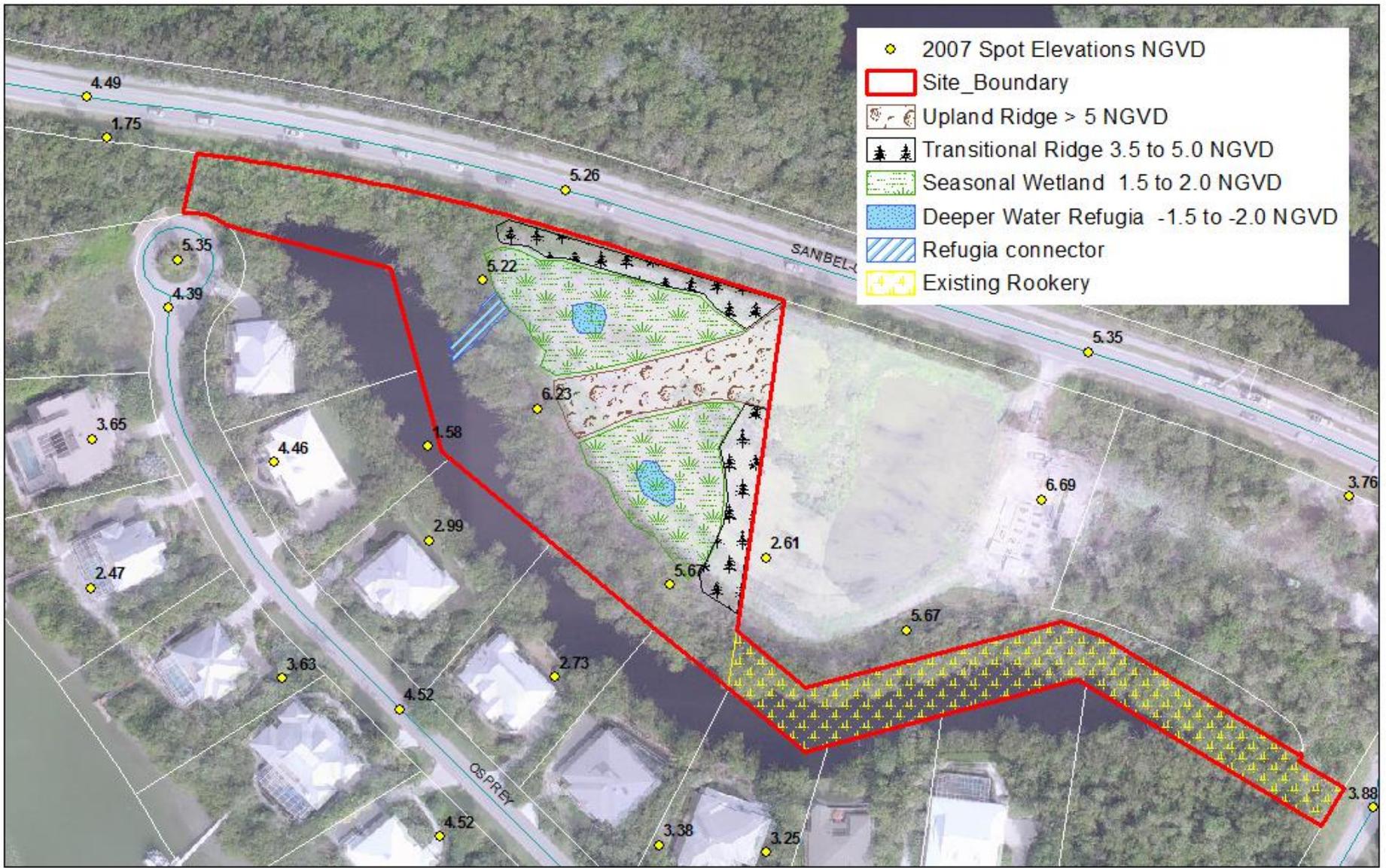
**Project Location and Adjacent Shoreline**

April 8, 2011



- Former location of the privately owned and operated Sanibel Bayous Wastewater Package Plant
- The failing plant was purchased by the City in 2008, after seepage/runoff from the sewer ponds was identified as a likely source of fecal contamination at Bowman's Beach
- Residential properties were connected to the City's central sewer system, and the plant was decommissioned under FDEP oversight. The City demolished all structures and filled the two treatment ponds
- Restoration funded through a \$25,000 grant from the USFWS Partners for Wildlife Program with matching funds from the City





- ◆ 2007 Spot Elevations NGVD
- ▭ Site\_Boundary
- ▨ Upland Ridge > 5 NGVD
- ▨ Transitional Ridge 3.5 to 5.0 NGVD
- ▨ Seasonal Wetland 1.5 to 2.0 NGVD
- ▨ Deeper Water Refugia -1.5 to -2.0 NGVD
- ▨ Refugia connector
- ▨ Existing Rookery



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**Sanibel Bayous Restoration Project**

**Conceptual Site Plan with Historic/Proposed Elevations**

May 17, 2012



Pre-construction 2014





Excavation of north swale\pond



Completed south swale\pond



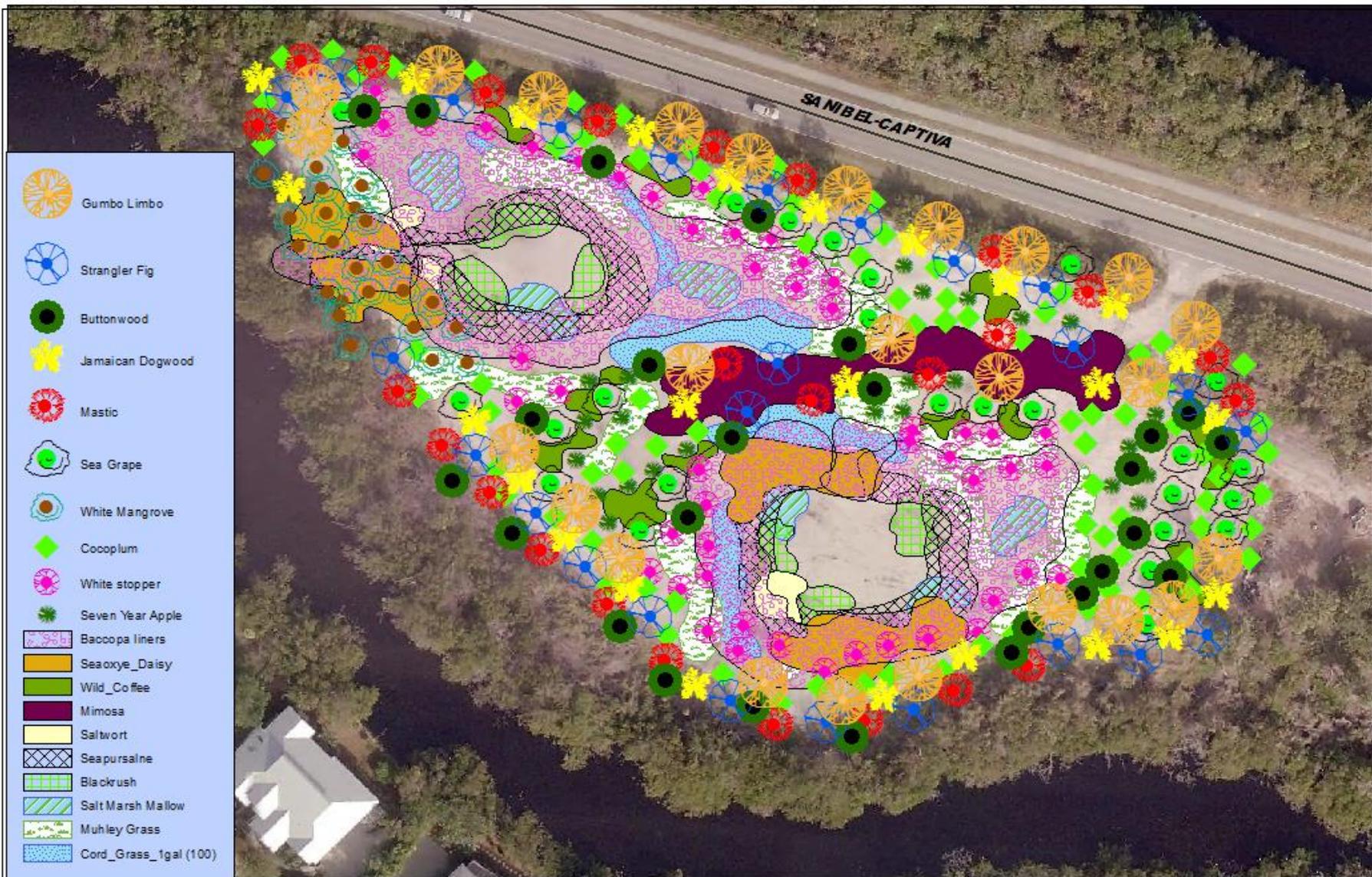
Upland Ridge after grading



Refugia connection







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 Sanibel, FL 33957  
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**Sanibel Bayous Restoration Project**

**Conceptual Planting Plan**

Date: April 7, 2015

0    30    60    120    180    240  
 Feet

Wetland Plantings



8/19/2015



Upland Plantings



North Pond Water Levels

11/20/2015



1/29/2016



4/22/2016



5/31/2016



South Swale/Pond

7/29/2016



North Swale/Pond

7/19/2016



Habitat Signage



5/12/2016

Wildlife Photos courtesy of Sanibel resident Sylvia Guarino



Ibis & Cattle Egret



Immature Little Blue Heron



Spotted Sandpiper



Killdeer