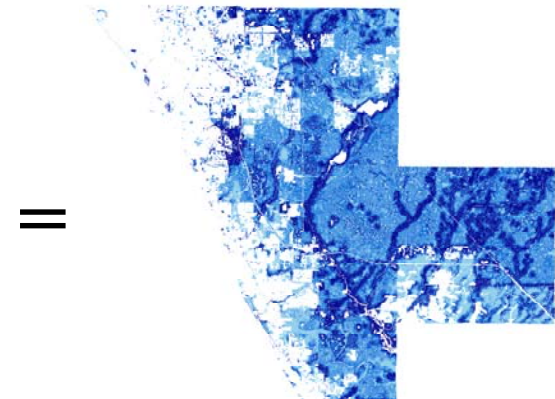
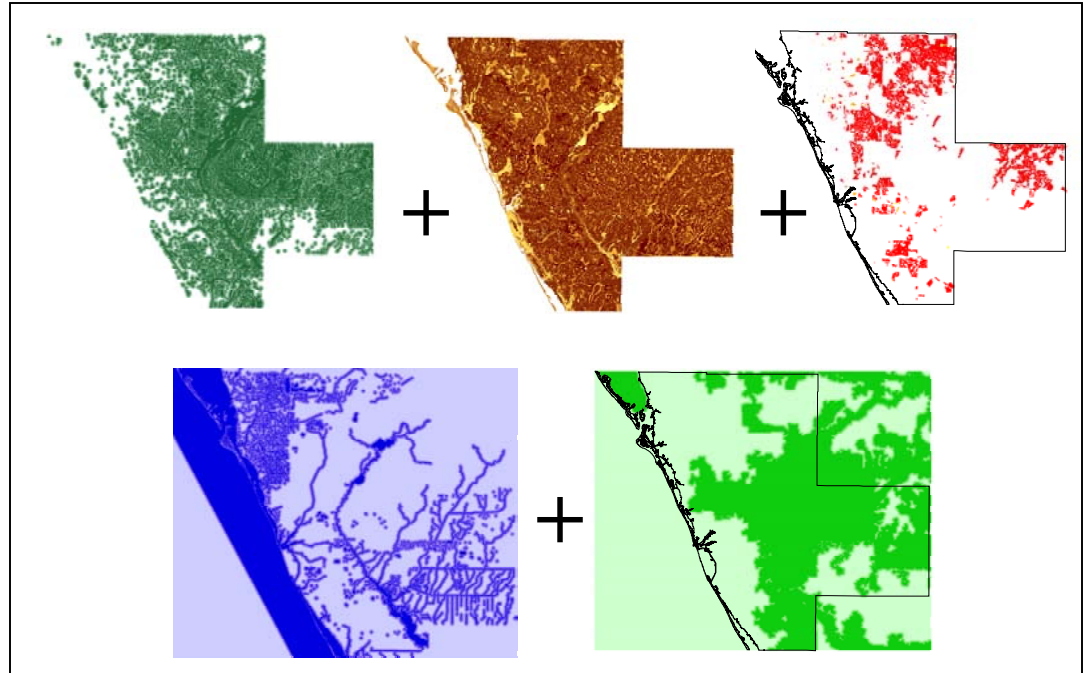




Model Processing

- Wetland Proximity
- Soils
- Agricultural Lands
- Water Proximity
- Greenway Proximity





Sarasota County Comprehensive Watershed Management Plan

6.7 HYDROLOGIC RESTORATION PROGRAM

OBJECTIVES

WQ Goal: To protect water quality by preventing further degradation of the water resource and enhancing water quality where appropriate.

Objective 1: Protect and improve surface water quality.

FP Goal: To prevent and mitigate the losses, cost, and human suffering caused by flooding; and to protect the natural and beneficial functions of the floodplain.

Objective 3: Develop and implement cost effective management strategies to protect the natural functions of the floodplain.

NS Goal: To enhance, protect and conserve the hydrologic and ecologic functions of natural systems including estuaries, freshwater, and groundwater systems.

Objective 1: Determine and restore more natural hydrologic regimes to our natural water systems.

Objective 2: Protect and restore ecological habitat.

SUMMARY

Opportunities to restore freshwater systems that have been altered through man-made drainage activities are seen as one way to also restore freshwater flows to estuary systems. In addition, if done in an inter-disciplinary fashion, hydrologic restoration projects may also enhance existing flood plain storage and improve surface water quality through increased residence times.

TEAM

Ron Van Fleet, Allissa Powers, Warren Rueschel, Mike Jones

KEY MILESTONES

6.7 HYDROLOGIC RESTORATION PROGRAM

Opportunities to restore freshwater systems that have been altered through man-made drainage activities are seen as one way to also restore freshwater flows to estuary systems. Several such opportunities have been identified for investigation in each Bay watershed (refer to EXHIBIT 6.7.1). A list of each potential project are provided below:

Sarasota Bay Watershed

- (1) Whitaker Bayou, Kensington Park Spray Field
- (2) Phillippi Creek, Colonial Oaks site
- (3) Phillippi Creek, Celery Fields, Phase 3
- (4) Red Bug Slough Restoration Project

Little Sarasota Bay Watershed

- (5) Matheny Creek, headwaters restoration
- (6) Catfish Creek, regional stormwater facility
- (7) South Creek, restoration project

Dona/Roberts Bay Watershed

- (8) Upper Cow Pen Slough Restoration Site
- (9) Old Cow Pen Slough Restoration Site
- (10) Lower Fox Creek Site
- (11) Upper Fox Creek Restoration Site
- (12) Curry Creek, tidal restoration project
- (13) Hatchett Creek Restoration Site

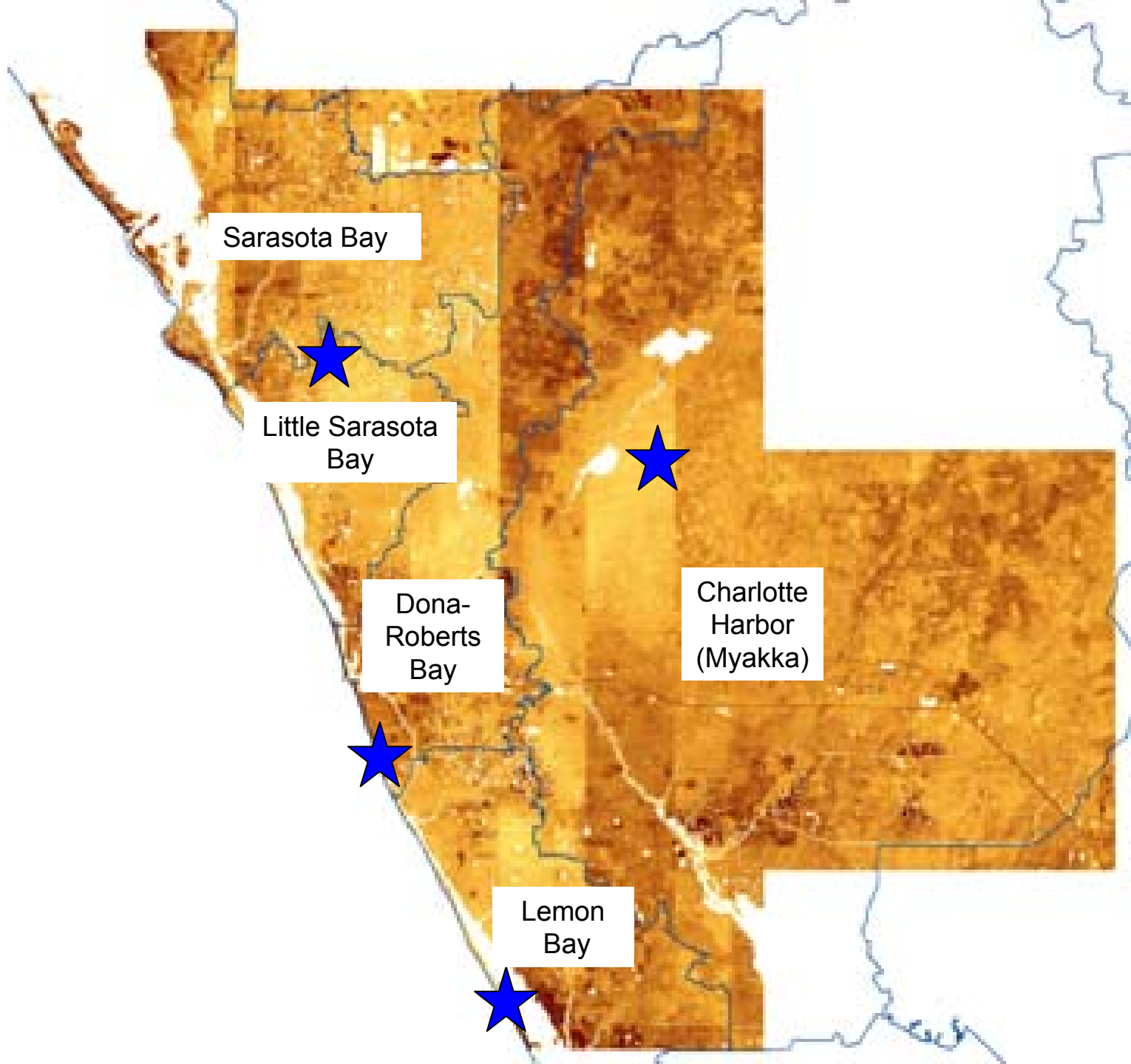
Lemon Bay Watershed

- (14) Alligator Creek Restoration
- (15) Forked Creek Western Branch Restoration Site
- (16) Forked Creek Eastern Branch Restoration Site
- (17) Manasota Key Restoration Site
- (18) Gottfried Creek Restoration Site
- (19) River Road, Wetland Restoration Site
- (20) Ainger Creek Restoration

Myakka River Watershed

- (21) Placement of weir in Blackburn Canal
- (22) Diversion of historical flows from Cow Pen Slough
- (23) Vanderipe Slough Restoration
- (24) Blackburn Slough Restoration
- (25) Lower Deer Prairie Slough Restoration

Team: Ron Van Fleet, Allissa Powers, Warren Rueschel, Mike Jones



Sarasota Bay



Little Sarasota Bay



Dona-Roberts Bay

Charlotte Harbor (Myakka)

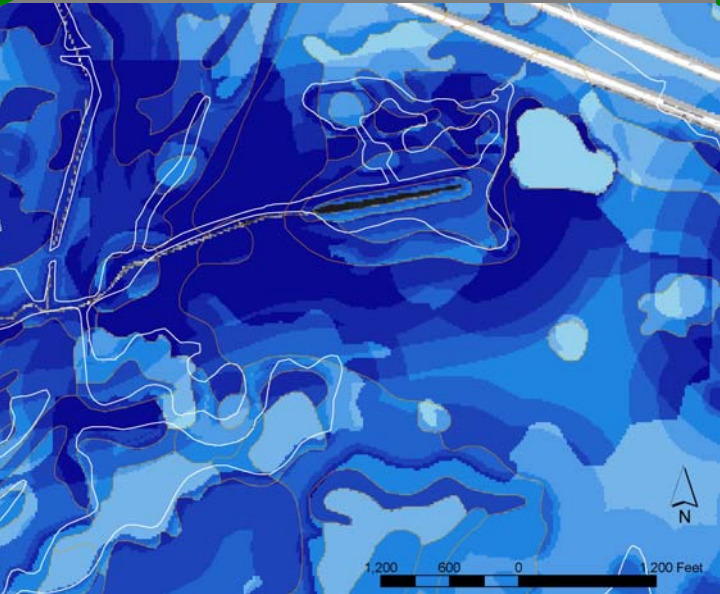
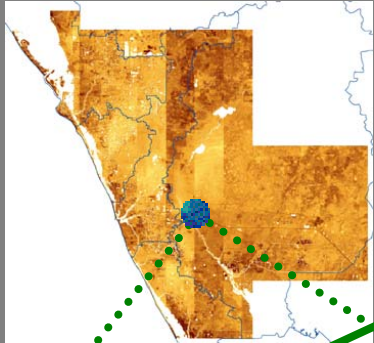


Lemon Bay



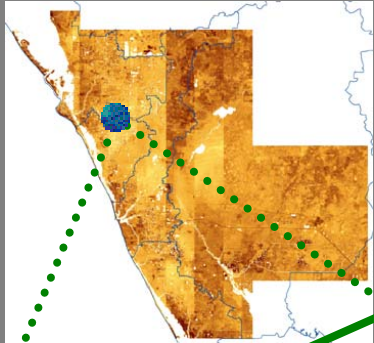


Sarasota Ranchlands



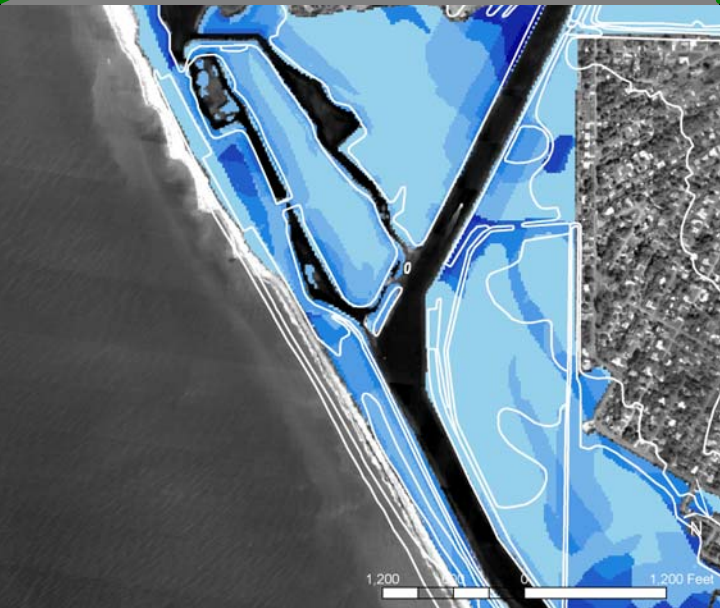
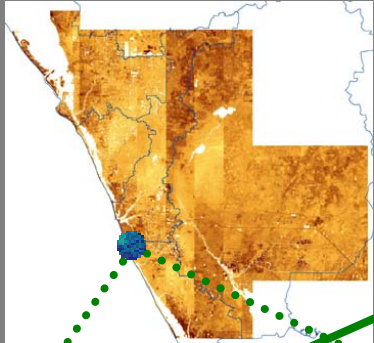


RedBug Slough



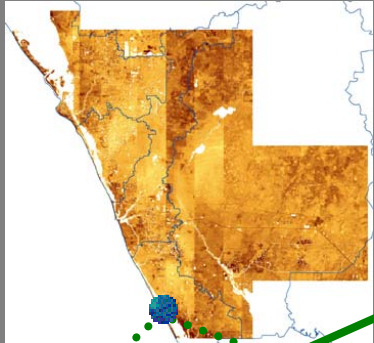


Caspersen





Blind Pass Park





Representative Sites

Site	# acres	Type	Methods
Sarasota Ranchlands	120	FW marsh, hydric pines	Restoration, enhancement, creation
Redbug Slough	9	FW marsh	Enhancement, Creation
Caspersen	14	Saltmarsh, mangrove	Restoration, enhancement, creation
Blind Pass Park	11	Saltmarsh, mangrove, seagrass	Restoration, enhancement, creation