

#### Introduction

In 2007 the GTMNERR began the process of updating it's original Management Plan written in 1999 when the research reserve was first created.

The Reserve received vital input from the general public, reserve volunteers and staff, and the Management Advisory Group made up of local stakeholder agencies and citizens. A draft plan was produced and Issues made available to the public for review and comment in early 2007. Throughout 2007 and 2008, improvements and updates were made. On April 3, 2009, the management plan was approved by the State of Florida's Acquisition and Restoration Council (ARC). The plan was approved by the Governor and Cabinet on May 13, 2009 and approved by the National Oceanic and Atmospheric Administration (NOAA) on July 1, 2009. This Management Plan will serve to guide the reserve's activities through June 2014.

GTM Research Reserve management efforts are in direct response to its local issues. Issues-based management is a means through which any number of partners may become involved in addressing an issue allowing for all departments (research, stewardship and education) to work together toward addressing a particular issue. The issues of the GTM Research Reserve can be categorized under five topic headings listed below.

### **Priority Issues and Goals**

### **Public Use**

Ensure user experiences are sustainable and consistent with natural and cultural resource protection for the benefit of existing and future generations.

### Habitat and Species Management

Improve the conservation of natural biodiversity by implementing the principles of adaptive management and ecosystem science.

### Watershed Land Use

Reduce the impact of watershed land use on coastal resources by identifying priority pollutants and encouraging best management practices.

**Cultural Resource Preservation and Interpretation** Enhance understanding, interpretation, and preservation of the GTM Research Reserve's cultural resources.

### **Global Processes**

Serve as a clearinghouse of information concerning global and meteorological processes and as a demonstration site for green building technologies and practices.

# **Guana Tolomato Matanzas National Estuarine Research Reserve**

## Management Plan July 2009 – June 2014

**GTM Research Reserve Mission: To achieve the conservation of** natural biodiversity and cultural resources by using the results of research to guide science-based stewardship and education strategies.

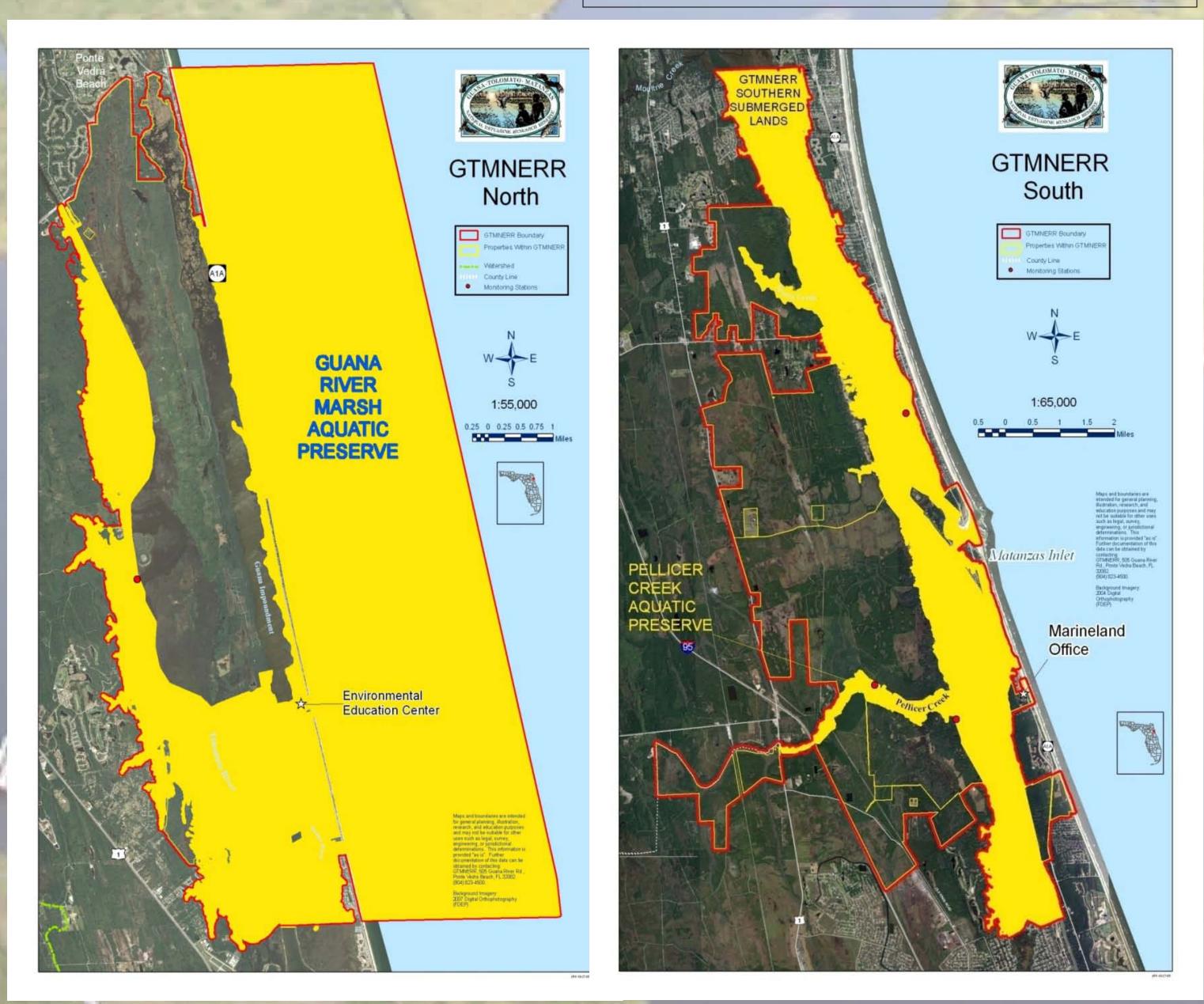
Goals 8 **Objectives Strategies** Annual Assessment

Natural resource management efforts are in direct response to, and designed for unique local and regional issues.

**Challenges of an identified issue are** met by integrating research, education and stewardship strategies.

**Objectives are measurable.** 

**Continued monitoring allows the** reserve to evaluate progress and, if needed, adaptively adjust strategies to achieve the desired objective.



**Over 73,000 acres are included within the reserve boundary.** 62% 45,177 acres are directly managed by reserve staff. 94% of this directly managed area consists of tidal and submerged lands.





**Introduction to Issue-Based Adaptive Management** 



### Research

the estuary.

response to the **Deep Water Horizon Oil Spill**. to disturbance by people and dogs.

an annual average of 72 nests). •Mercury levels in estuarine fish and oysters.

## Education

each year.

 Conduct Teacher Training Workshops. •Host an annual Leave No Family Inside event. •Celebrate National Estuaries Day.

## Stewardship

**Regional Planning Council (NEFRPC).** Guana peninsula.

fresh water marsh.

•170,000 visitors annually utilize the recreational area for fishing, hiking, horseback riding, biking, and kayaking. 20,000 visitors per year.

