

Program Name: Exotic Management
Project Name: Digital Aerial Sketch Mapping (DASM)
Project ID: 2814
Lead Agency: South Florida Water Management District

Strategy and Biennial Report Objective Addressed: 2-B.4
Invasive Species Strategic Action Framework Goal: 4

Measurable Output(s): Regularly updated maps describing the location and intensity of the four most common exotic plant species and a rapidly spreading tree disease within the ECISMA boundary.

Project Synopsis: To detect the spread of infestation and observe the rate of change of *Schinus terebinthifolius*, *Casuarina equisetifolia*, *Melaleuca quinquenervia*, *Lygodium microphyllum* in South Florida at two year intervals. This project produces a census map for the ECISMA at 5 year intervals, flies a stratified random design covering 2% of the ECISMA each year, and produces detailed maps of work areas for participating regional managers each year. The project also includes biennial sampling of priority invasive plant species using the RECOVER landscape monitoring panels to as well as detailed aerial surveys to support ongoing control efforts.

Current Status: The project has yielded numerous products to achieve the stated goals. These including a 2012-2013 priority invasive plant inventory for the entire ECISMA boundary. Detailed abundance and distribution maps for priority invasive plant species in the Loxahatchee National Wildlife Refuge in 2013, 2015, and 2016, 12 detailed invasive plant inventories in priority areas in support of management efforts, and a regionwide analysis of landscape level changes in the abundance and distribution of the four priority species between 1995 and 2015.

Project Schedule:

Start Date: 2003

Finish Date: ongoing

Detailed Project Budget Information

	2014	2015	2016	2017	2018	Balance to Complete	Total
Federal	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SFWMD*	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$200,000	\$250,000
Local	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$200,000	\$250,000

Contact: Leroy Rodgers, SFWMD

Pictures:



Area Map:

