Program Name:
Project Name: Continue radiotelemetric monitoring of Burmese pythons in Collier County to understand opportunities for control in upland habitats
Project ID:
Lead Agency: US Geological Survey/Conservancy of SW FL/Denison University
Strategic Plan Goal(s) Addressed: 2B.4
IES Framework Goal Addressed: 4

Measurable Output(s):

- Quantifying habitat use and movement behavior of pythons in upland habitats that are divergent from those used by pythons previously studied in Everglades NP
- Quantify python use of agricultural and suburban habitats in mixed-used landscapes
- Quantify survival, dispersal, and movement behavior of juvenile pythons
- Use demographic and movement data to analyze detection probability

Project Synopsis:
Since 2011, Burmese pythons have been implanted with radiotransmitters in Collier County to understand their movement behavior and habitat use. Pythons make extensive use of burrows dug by other species, and females appear to reproduce every other year. Initially, all telemetry was of adult pythons, but starting in 2014-15, 14 radiotelemetered hatchlings are being tracked to understand juvenile survival rates and movement behavior. Knowledge of population dynamics, habitat use, and movement behavior in SW FL are vital to identifying control opportunities.

Current Status:
The project is now in its 3rd year, with approximately 8 adult and 14 juvenile pythons being radiotracked. Multiple years of radiotracking are necessary to understand survival rates and reproductive frequency, both of which have major implications for control tool development.

Project Schedule:
Start Date: Fall 2011
Finish Date: Fall 2017

Detailed Project Budget Information

	2014	2015	2016	2017	2018	Balance to Complete	Total
Federal	18K	18K	18K	18K	0	48K	**120K**
SFWMD**	0						
Local							
Total							

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Hyperlink:

Pictures:

Map of area: