

Program Name: Invasive Species Population Management
Project Name: **Thermal infra-red detection of Burmese pythons**
Project ID: 2817
Lead Agency: USDA/ APHIS Wildlife Services National Wildlife Research Center

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

Measurable Output(s): Ability of commercial IR units to detect pythons

Project Synopsis: Captive pythons were allowed to bask during the day to accumulate body heat. At sunset, 4 animals tightly secured within nylon mesh snake bags were placed on the ground at varying distances from the IR detectors. One of the detectors was small enough to be taken aloft on an unmanned aerial vehicle should it prove to be able to detect the snakes. The heat signature of each snake was recorded at 10-min intervals until it is no longer visible.

Current Status: Readings were collected and the data are being analyzed, with follow up trials to be determined.

Project Schedule:
Start Date: 2014
Finish Date: 2015

Detailed Project Budget Information

	2014	2015	2016	2017	2018	Balance to Complete	Total
Federal	\$15,000	\$8,500				\$8,500	\$23,500
SFWMD							
Local							
Total							

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