

Program Name: Invasive Species Population Management
Project Name: Python Chemical Communication
Project ID: 2815
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): Characterization of python skin chemicals

Project Synopsis: The goal is to obtain quantitative analyses of chemicals in the skin of invasive Burmese pythons now established in Florida. Understanding the nature of the chemical signals used in python reproductive ecology would lead to the development of useful management tools: 1) female-specific chemical signals for tracking and locating female pythons; 2) development of a reproductive attractant to trap male pythons. Altering male pythons with estrogen implants, which was successfully done in garter snakes, should induce the male pythons to produce female pheromones which will increase opportunities to obtain the pheromone, identify constituents, and perhaps synthesize it.

Current Status: Data collection for the project is set to begin in 2014.

Project Schedule:

Start Date: 2014
 Finish Date: 2017

Detailed Project Budget Information

	2014	2015	2016	2017	2018	Balance to Complete	Total
Federal	\$27,500	\$18,500	\$12,500	\$10,000		\$41,000	\$68,500
SFWMD**							
Local							
Total							

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