

**Program Name:** Invasive Species Population Management  
**Project Name:** Genetic analyses of invasive reptiles in Florida  
**Project ID:** 2816  
**Lead Agency:** UF Museum of Natural History

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

**Project Synopsis:** Few studies have performed some degree of molecular comparisons of species from their native range to introduced Florida populations. A major impediment has been the lack of data availability for native range populations for comparisons. Molecular data from recent phylogenetic studies from native populations are now available for certain taxonomic groups, including *Ctenosaura similis* and *Agama agama* complex. In this study, molecular data are examined to determine the native geographic origins of Florida populations of *C. similis* and *Agama a. africana*. Additionally, molecular data are examined to determine species identity of skin, skeletal, and egg samples from unknown giant constrictor species.

**Current Status:** Genetic sequencing of *Agama* (15 specimens), *Ctenosaura* (22 specimens) and *Python sebae* (21 specimens) are ongoing. Genetic analyses for this project has been completed and 3 manuscripts (one addressing each taxon) from the MS student's thesis are being prepared for publication.

**Project Schedule:**

Start Date: 2014  
 Finish Date: 2016

**Detailed Project Budget Information**

	2014	2015	2016	2017	2018	Balance to Complete	Total
<b>Federal</b>	\$9,500	\$8,500				0	\$18,000
<b>SFWMD**</b>							
<b>Local</b>							
<b>Total</b>	<b>\$9,500</b>	<b>\$8,500</b>				<b>0</b>	<b>\$18,000</b>

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