

Kristen Hart



- Position
 - ▣ **Research Ecologist, USGS**
- Research Interests
 - ▣ **Large Reptile Research and Ecosystem Restoration** (Sea turtles, Diamondback terrapins, American crocodile, American alligator, Burmese pythons)
 - ▣ **Sea Turtles**
 - ▣ Florida: Everglades & Dry Tortugas National Parks, Florida Keys
 - ▣ Alabama and Louisiana: related to Deepwater Horizon Oil Spill
 - ▣ US Virgin islands: Buck Island Reef National Monument
 - ▣ **Crocodiles, Alligators and Pythons** (Florida)

Method	Sea turtles (Loggerhead, green turtle, hawksbills)	American Crocodile	American Alligator	Burmese Python
Capture/recapture	X	X	X	
Abundance		X	X	
Nesting	X	X		
Body condition	X	X	X	X
Genetic diversity	X			X
Satellite tracking	X	X	X	
VHF/GPS Tracking		X	X	X
Acoustic tracking	X			
Accelerometer	X			X
Diet(lavage, stomach, isotope)	X		X	X
Growth & Survival	X	X	X	
Phenology	X	X		
eDNA (detection)				X
Mercury	X			X
Rsk assessment/HSI				X
Trapping				X

FAU/USGS Collaboration

- ▣ **Loggerhead turtle genetics; collaboration w/ Jay Baldwin**
- ▣ **Nicole Reintsma, current FAU Env. Sci MS student, using USGS juvenile green turtle data from Dry Tortugas (focus on growth)**
- ▣ **FAU students worked on Loggerhead turtle genetics project w/Baldwin and Hart project (2 summer 2014)**
- ▣ **Mat Denton, MS, FAU, was USGS Pathways (STEP), now USGS employee, another USGS committee member Dr. Amanda Demopoulos**