

Hawaiian Islands Humpback Whale National Marine Sanctuary



Lecture Series Presents:

WILDLIFE FORENSICS

What DNA reveals about the biology of the endemic shrimp 'ōpae 'ula (*Halocaridina rubra*) in Hawaiian anchialine environments



State of Hawaii, Division of Aquatic Resources

Join Maui's own Dr. Scott Santos as he uncovers the hidden secrets of Hawaii's *Wildlife Forensics: What DNA reveals about the biology of the endemic shrimp 'ōpae 'ula (Halocaridina rubra) in Hawaiian anchialine environments*. The anchialine habitats of Hawaii are coastal features defined as "pools with no surface connection to the sea, containing salt or brackish water, which fluctuates with the tides" and are typically land-locked open pools, pools in caves or submerged cave passages, such as Kealia Pond. Although these habitats have been documented in many places, the Hawaiian Islands have the single largest concentration of anchialine ponds in the world (approximately 520). Unfortunately, numerous Hawaiian anchialine pools have been modified or destroyed in the last 50 years either in the process of coastal development or by the human-mediated introduction and spread of exotic species. Understanding the biology of organisms inhabiting anchialine habitats is paramount to developing sound management and conservation plans for these ecosystems and their endemic biota.



Born and raised in Pukalani, Dr. Santos graduated from St. Anthony High School in Wailuku in 1990 and from the University of Hawaii, Manoa in 1996. He then attended the State University of New York at Buffalo and received a Ph.D. in 2002 before starting as an assistant professor at Auburn University in 2004.

FREE EVENT

Date: Thursday, July 13th 2006

Time: 7:00 - 8:00pm

Where: Sanctuary Education Center



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National Marine Sanctuary

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