

Troy S. Sakihara

GOV. MSG. NO. 654

EDUCATION

Master of Science, Tropical Conservation Biology and Environmental Science
University of Hawaii at Hilo

Bachelor of Arts, Marine Science
University of Hawaii at Hilo

WORK EXPERIENCE

Aquatic Biologist IV
Division of Aquatic Resources (DAR), Department of Land and Natural Resources,
State of Hawaii, Hilo, HI September 2015–Present

Estuarine Surveyor Researcher
DAR, Hilo, HI May 2014–August 2015

Estuarine Surveyor
DAR, Hilo, HI September 2005–May 2014

Creel Census Surveyor
DAR, Hilo, HI April 2005–September 2005

Stream Surveyor
DAR, Hilo, HI January–April 2005

M.S. THESIS

Sakihara, T.S. 2012. Endemic grazer (*Halocaridina rubra*) forces and obscured nutrient effects on benthic autotrophy in Hawaiian anchialine pools. Master's Thesis, Tropical Conservation Biology and Environmental Science, University of Hawaii at Hilo.

PUBLICATIONS

REFEREED PUBLICATIONS

Sakihara TS, Lamson M, Seidel B, Sedar DM, Santos S, Havird J, Iliffe TM, Keith, DA (2020) "SM1.2 Anchialine pools". In Keith DA, Ferrer-Paris JR, Nicholson E, Kingsford RT (eds.) The IUCN Global Ecosystem Typology 2.0: Descriptive profiles for biomes and ecosystem functional groups. Gland, Switzerland: IUCN. [doi:10.2305/IUCN.CH.2020.13.en](https://doi.org/10.2305/IUCN.CH.2020.13.en). ISBN 978-2-8317-2077-7.

Sakihara TS, Fukunaga A, Peyton KA (2017) Mugilids display distinct trait-mediated patterns with a reinvasion of para grass *Urochloa mutica* in a tropical estuary. *Fishes* 2:2 doi: 10.3390/fishes202007

Dudley BD, MacKenzie RA, Sakihara TS, Riney M, Ostertag R (2017) Effects of invasion at two trophic levels on diet, fitness and population structure of an invertebrate grazer. *Ecosphere*

- Peyton KA, **Sakihara TS**, Akiona A, Lorance K, Nishiura LK, Shimoda TE, Shindo TT, Hau S (2016) Length-weight relationships for common juvenile fishes and prey species in Hawaiian estuaries. *Journal of Applied Ichthyology*
- Sakihara TS**, Dudley BD, MacKenzie RA, Beets JP (2015) Endemic grazers control benthic microalgal growth in a eutrophic tropical brackish ecosystem. *Marine Ecology Progress Series*. 519: 29–45. doi:10.3354/meps11099
- Sakihara TS**, Nishiura LK, Shimoda TE, Shindo TT, Nishimoto RT (2015) Brassy chubs *Kyphosus vaigiensis* display unexpected trans-island movement along coastal habitats. *Environmental Biology of Fishes*. 98:155-163. doi: 10.1007/s10641-014-0245-8
- Dudley BD, MacKenzie RA, **Sakihara TS**, Dulaiova H, Waters CA (2014) Influences of N-fixing and non-N-fixing vegetation and invasive fish on water chemistry of Hawaiian anchialine ponds. *Pacific Science* 68:4 509-523. doi: <http://dx.doi.org/10.2984/68.4.5>
- Fransen CHJM, De Grave SD, **Sakihara TS** (2013) New records of *Vetericaris chaceorum* (Decapoda, Procarididea) from Hawai'i. *Crustaceana* 86:5 625-631.
- Dalton CM, Mokiao-Lee AM, **Sakihara TS**, Weber MG, Roco CA, Han Z, Dudley B, MacKenzie RA, Hairston Jr. NG (2013) Density and trait-mediated top-down effects modify bottom-up control of a highly endemic tropical aquatic food web. *Oikos* 122:5 790-800.
- Sakihara TS** (2012) A diel comparison of the unique faunal assemblage in remote anchialine pools on Hawai'i Island. *Pacific Science*, 66:1 83-95.
- De Grave S, **Sakihara TS** (2011) Further records of the anchialine shrimp, *Periclimenes pholeter* Holthuis, 1973 (Crustacea, Decapoda, Plaemonidae). *Zootaxa*, 2903: 64-68.

CERTIFICATIONS

- **NAUI SCUBA Rescue Diver**
- **DAN Oxygen Provider**, No. 2542774
- **Adult CPR/AED** – American Safety and Health Institute
- **Standard First Aid** – American Safety and Health Institute
- **NASBLA-certified Boater Safety** – Boat Ed

MEMBERSHIPS

- American Fisheries Society, 2014—present
- Association for the Sciences of Limnology and Oceanography (ASLO), 2012—present
- Coastal and Estuarine Research Federation (CERF), 2012—present
- Divers Alert Network, 2015—present
- The Wildlife Society, 2013—present