



## Gonodactylaceus falcatus

### Tiger mantis shrimp

#### Threat scores

1. Ecological impact
  - An aggressive species, that has almost completely replaced a native stomatopod (*Pseudosquilla ciliata*) from dead coral heads
2. Invasive potential
  - Free-swimming planktonic larvae most likely responsible for expansion of its population into an increasingly dead coral habitat, especially in Kaʻneʻohe Bay
3. Geographic extent
  - Locally patchy
4. Management Difficulty
  - Eradication unlikely
  - Efforts focus on mitigation and prevention



#### Geography and Habitat

1. Native: Indo-Pacific
2. Introduced: Hawai'i
3. Habitats
  - Coral reefs, benthic, marine
  - Dead branching coral heads, clumps of coralline algae, or crevices and small holes in solid reef substrate

#### Invasion Pathways

1. Hull/Surface Fouling

#### Non-Native Locations

1. 152- Hawaiian Islands

#### Sources

1. Molnar, Jennifer, et al. 2008. "Assessing the global threat of invasive species to marine biodiversity." *Frontiers in Ecology and the Environment*. 6 (9), pp. 485-492.
2. <http://conserveonline.org/workspaces/global.invasive.assessment>
3. <http://www2.bishopmuseum.org/dargis/esri/images/Gonodactylaceus%20falcatus.jpg>
4. <http://www.bluezooaquatics.com/productDetail.asp?cid=84&pid=1228&did=2>