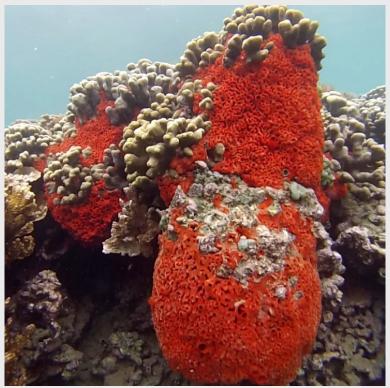


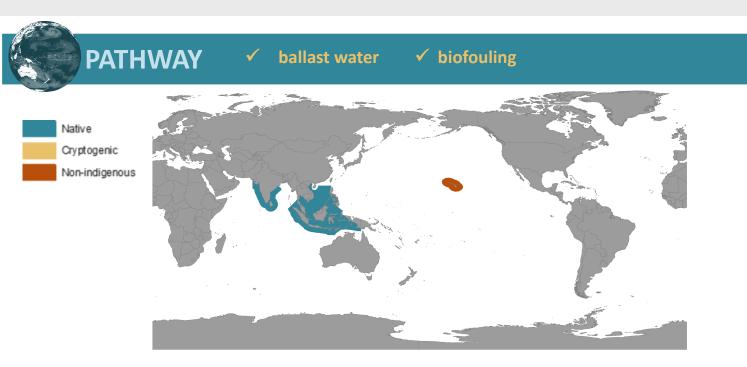
# Orange keyhole sponge

Mycale grandis Gray, 1867

# **KEY FEATURES**



- Bright orange-red sponge that forms thick encrusting to cushion-shaped masses over 1 m diameter, up to 0.5 m thick
- Surface of sponge covered in keyholeshaped oscules through which exhalent current exits the sponge
- Surface uneven, fibrous, firm, compressible to the touch
- Interior cavernous, often packed with small brittle stars
- Typically associated with shallowwater fouling communities such as pier pilings and floating docks in major harbours, or on associated disturbed habitats such as in dredged channels and artificial lagoons
- Found over-growing native coral communities in Kāne'ohe Bay, Hawai'i

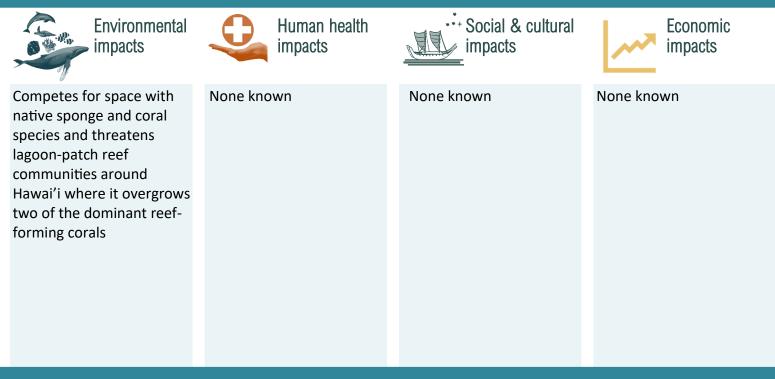




# Orange keyhole sponge

Mycale grandis Gray, 1867

#### **IMPACTS**



# **ADDITIONAL DETAILS**

• Long-term exposure experiments to increased carbon dioxide and sea surface temperatures showed no effects on survival or growth rates of *M. grandis* 

# DISTRIBUTION

Native range Type locality in the Western Indian Ocean, Indo-West Pacific distribution

Non-indigenous Hawai'i range

# CREDITS AND REFERENCES (click reference for more information)

Images Joy Leilei Shih from Shih et al (2020)

References CABI (accessed 2021), Coles and Bolick (2007), Vicente et al. (2016)









