Ligia exotica

Wharf roach, Sea roach

Threat Scores

1. Ecological Impact
    - Ecological impact so far unstudied; competition with native Ligia hawaiiensis likely
2. Invasive Potential
    - Desiccation resistance is advantageous for littoral L. exotica to migrate and colonize in variable land habitats within a certain limit, and provides a broad distribution pattern
    - Delayed maturity of inland females may be an adaptive strategy allowing inland colonization
3. Geographic Extent
    - A common species of harbors all around the world
    - Locally patchy
4. Management Difficulty
    - No effective eradication methods

Geography and Habitat

1. Native: Northeastern Atlantic and Mediterranean
2. Introduced: Atlantic Coast of United States, Hawai'i
3. Habitats
    - Rocky habitats
    - Estuaries/bays
    - Rocks and pilings above water, harbors

Invasion Pathways

1. Hull/Surface fouling
2. Ballast water

Non-Native Locations

1. 41- Virginian
2. 42- Carolinian
3. 70- Floridian
4. 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. Vol. 6, No. 9, pp. 485-492.
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3. http://www2.bishopmuseum.org/HBS/invertguide/species/ligia_exotica.htm
4. http://www.sms.si.edu/irlspec/ligia_exotica.htm