



## Cryptosula pallasiana

### Bryozoan

#### Threat scores

1. Ecological impact
  - One of the most competitive fouling organisms in ports and harbors
2. Invasive potential
  - A fouling organism requiring assisted transport to expand alien range
3. Geographic extent
  - Regionally pervasive
4. Management difficulty
  - No known effective eradication controls
  - Hull cleaning aids in prevention of spread



#### Geography and Habitat

1. Native: Atlantic, from Norway to Morocco, Mediterranean and Black Seas, Nova Scotia to Florida
2. Introduced: Washington, Oregon, California, Hawai'i

#### Invasion Pathways

1. Stocking in open water - oyster or other shellfish farming
2. Hull/Surface fouling
3. Ballast water and sediments
4. Natural spread - planktonic larvae

#### Non-Native Locations

1. 56- Puget Trough/Georgia Basin
2. 57- OR, WA, Vancouver
3. 58- Northern California
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*. 6 (9), pp. 485-492.
2. <http://conserveonline.org/workspaces/global.invasive.assessment>
3. [http://www.exoticsguide.org/images/c\\_pallasiana\\_lg\\_b.jpg](http://www.exoticsguide.org/images/c_pallasiana_lg_b.jpg)