



Bugula neritina

Brown bryozoan

Threat Scores

1. Ecological Impact
 - Fouling of ship's bottoms and other substratum - nuisance, fouling organism; ecological impact thus far unstudied, but spatial competition with native species is likely
 - It is the source of a novel chemical, bryostatin, which has been shown to be effective against leukemia
2. Invasive Potential
 - A fouling organism requiring assisted transport to expand alien range
 - Coronate larvae typically spend less than 10 hours in plankton before settling, through transport as tiny colonies attached to floating material in ballast tanks is possible
3. Geographic Extent
 - Pervasive in North America and Eastern Asia
 - Locally patchy
4. Management difficulty
 - Some success with copper antifouling and control painting surfaces.



Geography and Habitat

1. Native: Mediterranean
2. Introduced: Hawai'i
3. Habitat
 - Estuaries, bays, intertidal zones, benthic, fouling communities, coral reefs
 - Harbors and embankments, intertidal to 5m, attached to any available hard substrate

Invasion Pathways

1. Hull/Surface fouling

Non-Native Locations

1. 57- OR, WA, Vancouver
2. 58- Northern California
3. 59- Southern California Bight
4. 65- Greater Antilles
5. 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.
1. <http://conserveonline.org/workspaces/global.invasive.assessment>
2. <http://www.issg.org/database/species/ecology.asp?si=1080&fr=1&sts>
3. http://www.exoticguide.org/species_pages/b_neritina.html
4. <http://www2.bishopmuseum.org/dargis/esri/images/Bugula%20neritina.jpg>
5. <http://nas.er.usgs.gov/queries/factsheet.aspx?SpeciesID=266>