



## Petricolaria pholadiformis

False angel wing, American piddock

### Threat scores

1. Ecological impact
  - In Belgium and The Netherlands it has almost completely replaced the native species *Barnea candida* (Molnar 2008). In Britain, however, there is no documentary evidence for its having displaced native piddocks (Molnar 2008).
2. Invasive potential
  - “Original unintentional introduction with oyster shipments. Spread is influenced by ocean currents as it disperses through larval transport” (Molnar 2008).
  - “Rosenthal (1980) indicates that this species has colonized several northern European countries by means of its pelagic larvae. It also possibly spreads on driftwood” (Molnar 2008).
3. Geographic extent
  - Regionally pervasive
4. Management difficulty
  - No known controls in marine environment.



### Geography and Habitat

1. Origin: USA
2. First introduction: 1890
3. Introduced not later than 1890 (Molnar 2008) and found in the River Crouch, Essex (International Council for the Exploration of the Sea; 1972, Tebb). An associated unintentional introduction with the American oyster *Crassostrea virginica* (Molnar 2008).
4. Marine, aquaculture

### Invasion Pathways

1. Natural Spread
  - Probable
  - Cause- water current dispersal of pelagic larvae
  - From the British Isles, the species has colonized several northern European countries by means of its pelagic larva and may also spread via driftwood (Molnar 2008).
2. Stocking in Open Water
  - Accidental known
  - Cause- oyster farming
  - “Introduced not later than 1890 (Naylor 1957) and found in the River Crouch, Essex (International Council for the Exploration of the Sea; 1972, Tebb). An associated unintentional introduction with the American oyster *Crassostrea virginica* (Rosenthal 1980)” (Molnar 2008).

### Non native locations

1. 56- Puget Trough/Georgia Basin

## 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.mitchellpublications.com/guides/shells/articles/0034/01-image.jpg>