



## Batillaria attramentaria

Asian estuarine mudsnail, Asian hornsnail, Japanese false cerith

### Threat Scores

1. Ecological Impact
  - Reduces native biodiversity, displaces California native snail - *Centidea californica*
  - Success due to its resistance to parasites that affect *C. californica*
  - Has helped increase eelgrass cover in Padilla Bay, Washington (USA)
  - Also becomes the shelter for hermit crabs after its death
  - Caused a significant change in Elkhorn Slough, (California, USA)
2. Invasive Potential
  - Low potential to expand range without human assistance.
3. Geographic Extent
  - Locally patchy
4. Management Difficulty
  - Hand removal used to remove visible individuals



photo by L. Schroeder

### Geography and Habitat

1. Native: Japan, Hong Kong
2. Introduced: Washington, Oregon, California
3. Habitats
  - Marine, estuaries, bays, riparian zones, wetlands
  - Found in marshes, mudflats, and pannes (small ponds in salt marshes)

### Invasion Pathways

1. Stocking in open water
  - Aquaculture purposes
  - Introduced with *Crassostrea gigas*

### Non-Native Locations

1. 55- North American Pacific Fjordland
2. 56- Puget Trough/Georgia Basin
3. 57- OR, WA, Vancouver
4. 58- Northern California

### Sources

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2. <http://www.issg.org/database/species/ecology.asp?si=1150&fr=1&sts=&lang=EN>
3. [http://www.bily.com/pnwsc/web-content/Photos/Gastropods/Batillaria%20attramentaria%20\(GGG.B.%20Sowerby%20I,%201855\),%20LS%20photo.jpg](http://www.bily.com/pnwsc/web-content/Photos/Gastropods/Batillaria%20attramentaria%20(GGG.B.%20Sowerby%20I,%201855),%20LS%20photo.jpg)
4. <https://nas.er.usgs.gov/queries/FactSheet.aspx?speciesID=1034>