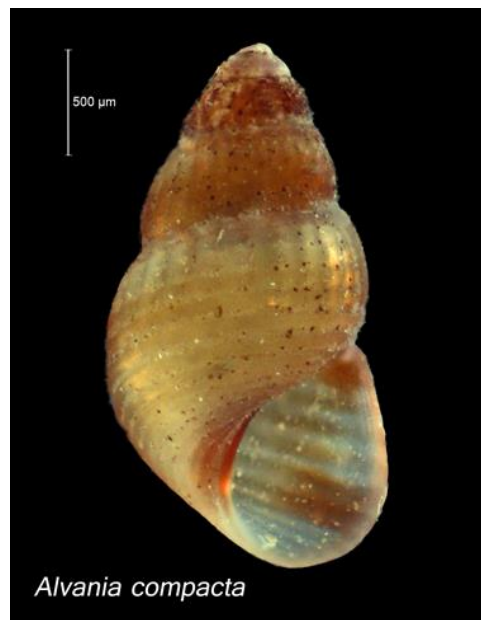


## *Alvania compacta* (Carpenter, 1864)

Nomenclature	
Phylum	Mollusca
Class	Gastropoda
Order	Neotaenioglossa
Family	Rissoidae
Common Synonyms (S) Previous Names (PN)	<i>Alvania acutelirata</i> , <i>Alvania californica</i> <i>Alvania filosa</i> , <i>Alvania fossilis</i> , <i>Alvania iliuliukensis</i> , <i>Alvania pedroana</i>



Distribution	
Type Locality	Puget Sound, WA (Cat. N. 4338, U.N.S.M) and Bear Bay, peril Strait, Baranoff Island, Alaska (No. 204018, U.S.N.M.)
Geographic Distribution	Port Etches, Alaska, to Baja California

Description
<b>Length</b> to 3mm; <b>color</b> tan to brownish-orange; <b>shape</b> ovate-conic; <b>whorls</b> slightly rounded; suture shallow and slightly impressed; 2.5 smooth nuclear whorls; <b>sculpture</b> of postnuclear whorls with 20-30 fine protractively slanting axial riblets, crossed by about 6-8 spiral threads, producing fine cancellations and forming slight beads where they cross; axial and spiral sculpture low and not strongly projecting; <b>final whorl</b> rounded with about 8-10 weak spiral threads; <b>aperture</b> broadly ovate; <b>outer lip</b> thin; <b>inner lip</b> strongly curved, slightly swollen, and purple-brown which is more noticeable on larger specimens. The overall appearance can vary between individual specimens.

Related Species and Characteristic Differences	
Species Name	Diagnostic Characteristics
<i>Alvania rosana</i>	Whorls more rounded with deeper suture

## Diagnostic Characteristics

Diagnostic Characteristics

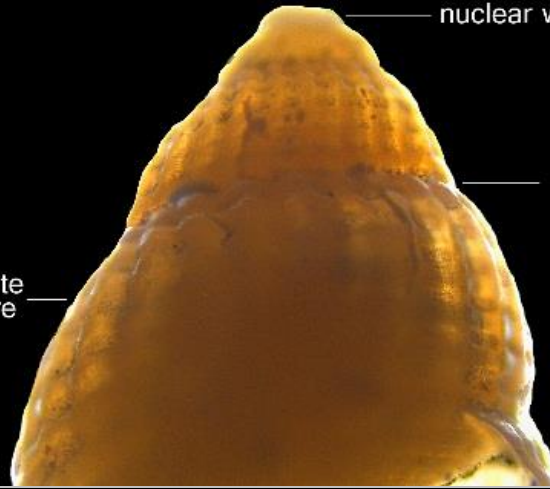
Photos by Marine Sediment Monitoring Team

finely cancellate axial and spiral sculpture, not strongly projecting; suture shallow; nuclear whorl smooth

cancellate sculpture

nuclear whorl smooth

suture shallow



0.5 mm



*Alvania compacta*

## Literature

Abbott, R. Tucker, Ph.D. 1974. American Seashells The Marine Mollusca of the Atlantic and Pacific Coasts of North America. Second Edition. Van Nostrand Reinhold. p. 72.

Bartsch P. 1911. The Recent and fossil mollusks of the genus *Alvania* from the West coast of America. Proceedings of the United States National Museum, 41(1863): 333-362. p. 351

Carpenter, P.P. 1864. Supplementary report on the present state of our knowledge with regard to the Mollusca of the west coast of North America. Report to the British Association for the Advancement of Sciences, 1863, pp. 517-686.

McLean, J.H. 2007. Gastropoda. In: Carlton, J. T., Eds. *The Light and Smith Manual. Intertidal Invertebrates from Central California to Oregon*. 4<sup>th</sup> ed. Los Angeles, CA: University of California Press. pp. 730-731.

## More Information

More information about Puget Sound benthic invertebrates is available at:

<http://www.ecy.wa.gov/programs/eap/psamp/index.htm>

Prepared by Angela Eagleston (Ecology); reviewed by Susan Weeks (Oikos). This document is available on the Department of Ecology's website at <https://fortress.wa.gov/ecy/publications/SummaryPages/1703303.html>

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