

## *Nutricula lordi* (Baird, 1863) [Bivalvia: Veneridae] depth extension recorded in Puget Sound, Washington

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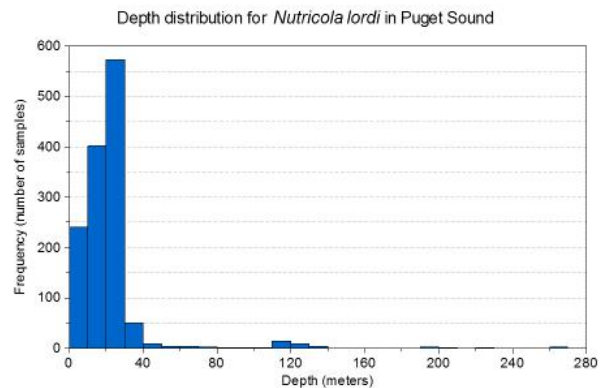
### INTRODUCTION

*Nutricula lordi* (Baird, 1863) is a small, moderately common, venerid bivalve extending from the Bering Sea, Alaska, to Punta Pequeña, Baja California Sur, México (Coan & Valentich-Scott, 2012). Due to its diminutive size, the species is often overlooked as a juvenile, or misidentified. We herein extend the known depth distribution of *N. lordi* by an order of magnitude, and provide an expanded description and illustrations of the species.

Coan *et al.* (2000) and Coan & Valentich-Scott (2012) record the bathymetric distribution of *N. lordi* (Baird, 1863) to extend from the intertidal zone to 22 m. Based on records from Washington State Department of Ecology (Ecology), the depth for *N. lordi* is here extended by over 240 m (Table 1, Figure 1). The deepest depth recorded by Ecology for *N. lordi* was 268 m, collected in 1992 at Historical Station 26 (Central Basin). The earliest Ecology record in 1989 shows *N. lordi* collected at 195 m from Temporal Station 38 (Point Pully). Eagleston and Valentich-Scott examined *N. lordi* specimens from several deep water stations to confirm the old Ecology records and to validate this depth extension.

**Description:** Shell small (to 10 mm), trigonal, thick, moderately inflated; beaks small but prominent; subequilateral to posterior end slightly longer; dorsal margin strongly sloping down from beaks; anterior and posterior ends broadly

rounded; sculpture of commarginal striae and fine ribs, stronger anteriorly; periostracum translucent, yellow-white, shiny; lunule broad, moderately shallow; escutcheon absent; pallial sinus short, broad, rounded, directed between the anterior adductor muscle scar and the cardinal teeth; three cardinal teeth in each valve; without lateral teeth. (See Figures 2-4)



**Figure 1.** Depth distribution of *N. lordi* in Puget Sound, Washington.

### REFERENCES

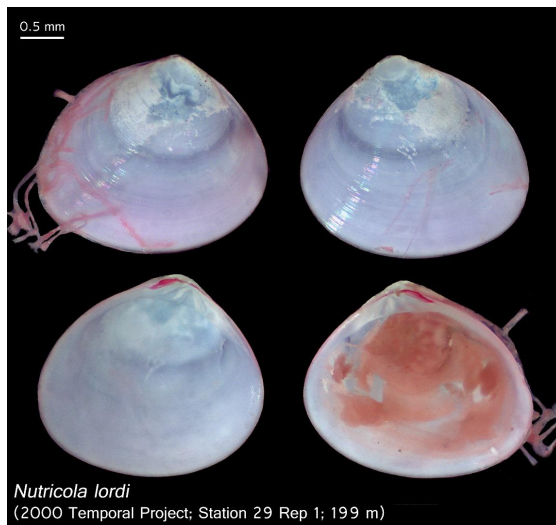
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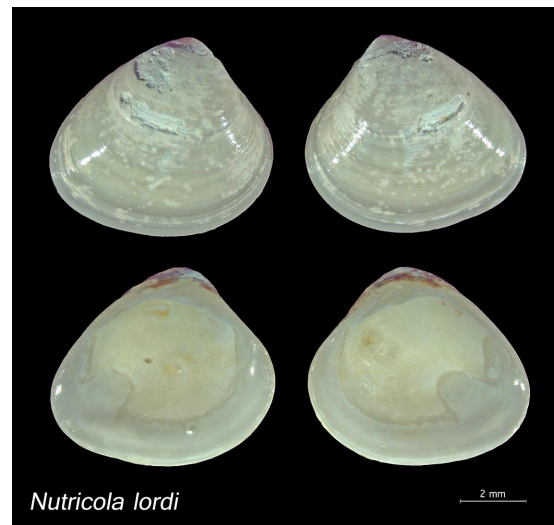
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Material examined					
Qty	Project	Station ID	Location	Date	Depth (m)
1	Historical	14 (Rep 2)	Hood Canal, Bangor	01 April 1989	133
1	Historical	26 (Rep 1)	Central Basin	01 April 1992	268
1	Temporal	29 (Rep 1)	Shilshole	18 April 2000	199
9	Regional	323	Coon Bay	14 June 2004	103
97	Regional	3855	Useless Bay	18 June 2014	80

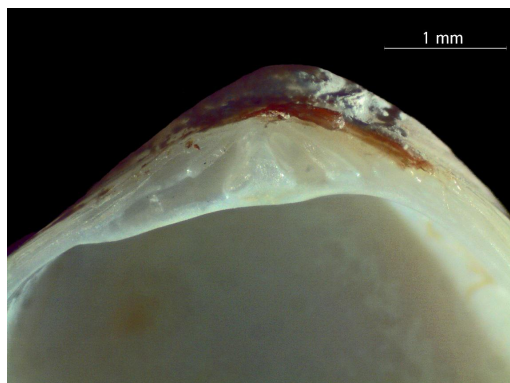
**Table 1.** Listing of “deep-water” *N. lordi* specimens examined by the authors.



**Figure 2.** Typical “deep-water” (199 m) *N. lordi* from Puget Sound Washington.



**Figure 3.** Interior and exterior views of *N. lordi*.



**Figure 4.** Interior view of hinge of right valve of *N. lordi*.