

***Eudorellopsis longirostris* Given, 1961**

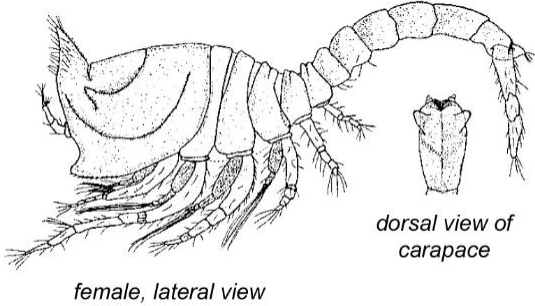


Nomenclature	
Phylum	Arthropoda
Class	Malacostraca
Order	Cumacea
Family	Leuconidae
Common Synonyms (S) Previous Names (PN)	


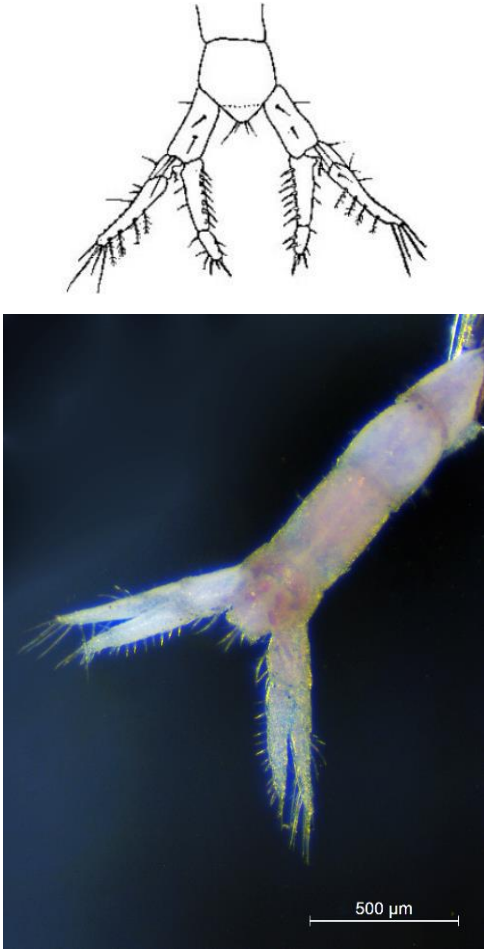


Distribution	
Type Locality	R/V Velero IV sta. 5828-58, 10 miles 231.5° true from Ventura Pier light, depth 186 m; holotype AHF 584 (Los Angeles County Natural History Museum)
Geographic Distribution	Southern California (Watling and McCann 1997); Puget Sound, WA
Habitat	Sandy sediments, 43-183 m

Description
From Given 1961 (unless otherwise noted)
Size: Female, 4 mm
Carapace: Finely pitted; sides with 2 strong, deep, obliquely curved ridges, the anterior one produced into a lateral, "horn-like" projection on each side.
Antenna/Antennules: Antenna 1 geniculate between peduncle articles 1 and 2 (Watling 1991).
Pseudorostrum: Long, pointed, not truly vertical. Lobes with covering of fine setae (Watling and McCann 1997).
Pereopods: Leg-bearing somites have shallow to deep transverse ridges.
Pleopods: Male, 2 pairs (Watling 1991)
Abdomen: Abdominal segments may or may not be sparsely setose. Last abdominal segment with deep transverse groove and 4 centrally located setae on the trailing edge.
Uropods: Endopod nearly as long as exopod; endopod basal article strongly armed with medial setae; distal article 1/3 length of proximal article; terminal seta slender, not approaching fusion with distal article (Watling and McCann 1997).
Telson: No free telson.

Diagnostic Characteristics

Diagnostic Characteristics (From Watling and McCann 1997)	Photo, Illustrations	Photo, Illustration Credit
<p>Efferent orifice distinctly dorsal</p> <p>Pseudorostral lappets bent posteriad and directed dorsally</p>	 <p style="text-align: center;"><i>female, lateral view</i></p> <p style="text-align: center;"><i>dorsal view of carapace</i></p>  <p style="text-align: center;"><i>Carapace (lateral view); specimen from 2014 PSEMP Long-term Station 21 Rep 1</i></p>	<p>Given 1961, p. 143</p> <p>Marine Sediment Monitoring Team</p>
<p>Carapace with two lateral, strongly curving ridges, uppermost terminating anteriorly in small horn</p>	 <p style="text-align: center;"><i>Carapace (dorsal view); specimen from 2014 PSEMP Long-term Station 21 Rep 1</i></p>	<p>Marine Sediment Monitoring Team</p>

<p>Antenna 1 geniculate between peduncle articles 1 and 2</p>		<p>Given 1961, p. 143</p>
<p>Uropod endopod with setae along entire length of inner margin, including on distal article</p>	 <p><i>Telson and uropods (dorsal view); specimen from 2015 PSEMP Long-term Station 38 Rep 3</i></p>	<p>Given 1961, p. 143</p> <p>Marine Sediment Monitoring Team</p>

Related Species and Characteristic Differences	
Species Name	Diagnostic Characteristics
<p><i>Eudorellopsis uschakovi</i></p>	<p>The only other species with anterolateral horns...also has one or more dorsomedial horns on the carapace, and the anteroventral margin of the carapace is coarsely serrate (Watling and McCann 1997).</p> <p>Uropod endopod with few setae on inner margin, distal article with no marginal setae (Watling 1991).</p>
<p><i>Eudorellopsis biplicata</i></p>	<p>Pseudorostrum shorter and more truncate; carapace without laterally-projecting horn-like extensions (Given 1961).</p>
<p><i>Eudorellopsis integra</i></p>	<p>Carapace without ridges or laterally-projecting horn-like extensions (Given 1961).</p>

Comments

Lateral horns may be worn down in older individuals, increasing the similarity in appearance to *E. biplicata* (J. Cordell, personal communication).

Literature

Given, R.R. 1961. The cumacean fauna of the Southern California continental shelf. No.1, Family Leuconidae. *Bulletin of the Southern California Academy of Sciences* 60: 142-144. (p. 142-144)

Lie, Ulf. Cumacea from Puget Sound and off the Northwestern coast of Washington, with descriptions of two new species. *Crustaceana* 17 (1): 19-30.

Watling, L. and D. McCann. 1997. Cumacea. In: Blake J. A., Watling L., and P.H. Scott, Eds. *Taxonomic Atlas of the Benthic Fauna of the Santa Maria Basin and the Western Santa Barbara Channel*. Volume 11 - The Crustacea Part 2 – The Isopoda, Cumacea and Tanaidacea. ISBN 0-936494-16-6. Santa Barbara Museum of Natural History. (p. 159)

More Information

More information about Puget Sound benthic invertebrates is available at:

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

Prepared by Dany Burgess (Ecology) and Brooke McIntyre (WCC); reviewed by Jeff Cordell (UW – Seattle). This document is available on the Department of Ecology's website at <https://fortress.wa.gov/ecy/publications/SummaryPages/1603204.html>

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