

Scoletoma luti (Berkeley & Berkeley, 1945)

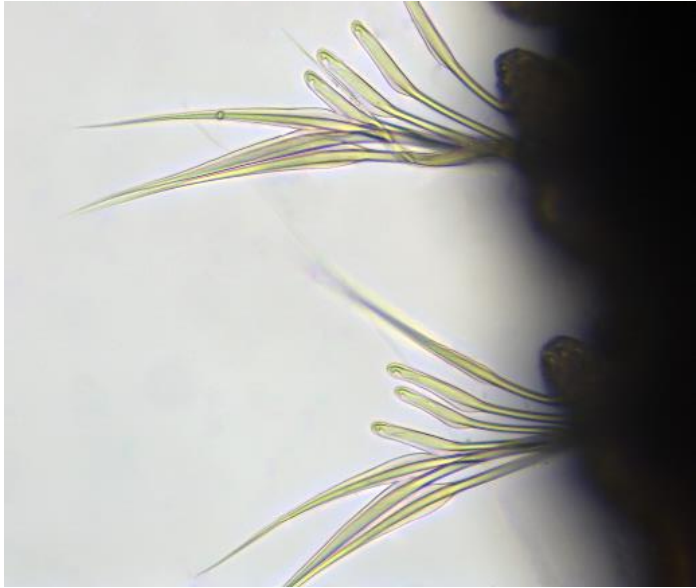
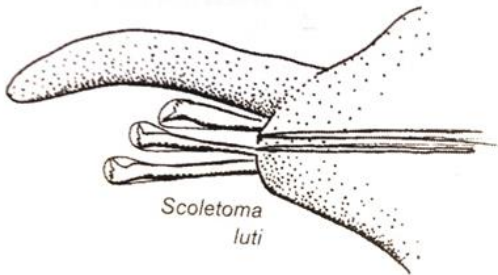

Nomenclature	
Phylum	Annelida
Class	Polychaeta
Order	Eunicida
Family	Lumbrineridae
Common Synonyms (S) Previous Names (PN)	<i>Lumbrineris luti</i> Berkeley & Berkeley, 1945 (accepted, alternate representation)


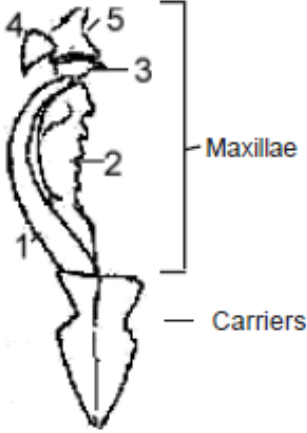


Distribution	
Type Locality	Northumberland Channel, Vancouver Island, BC
Geographic Distribution	Southeast Alaska to southern California (Blake and Ruff 2007)
Habitat	Intertidal to shelf depths in muddy sediments (Blake and Ruff 2007)

Description
<p>Size/Color: Length to 40 mm, width to 1 mm (Berkeley and Berkeley 1948). Pale in alcohol, cuticle iridescent.</p> <p>Body: Slender.</p> <p>Prostomium: Conical, slightly pointed anteriorly.</p> <p>Branchiae: None.</p> <p>Parapodia: Anterior parapodia with short, rounded presetal lobes and longer, more acute postsetal lobes; posterior parapodia with elongate postsetal lobes (much longer than presetal lobes).</p> <p>Setae: All hooded hooks simple, multidentate; present from setiger 1. Limbate setae present from setiger 1. Aciculae pale yellow.</p> <p>Pygidium: With 2 pairs of short cirri.</p>

Diagnostic Characteristics

Diagnostic Characteristics	Photo, Illustrations	Photo, Illustration Credit
<p>Simple hooded hooks present from setiger 1; no compound hooks present in anterior setigers (Blake and Ruff 2007)</p>	 <p style="text-align: center;"><i>Anterior setae; voucher specimen AN1364</i></p>	<p>Marine Sediment Monitoring Team</p>
<p>Presetal lobes not elongated in any setiger; posterior postsetal lobes elongated (Blake and Ruff 2007)</p>	 <p style="text-align: center;"><i>Scolelema luti</i></p> <p style="text-align: center;"><i>Posterior parapodium</i></p>  <p style="text-align: center;"><i>Posterior setigers with elongate postsetal lobes; specimen from 2014 PSEMP Long-term Station 49 Rep 2</i></p>	<p>Blake and Ruff 2007, p. 364</p> <p>Marine Sediment Monitoring Team</p>

<p>Pale yellow aciculae (Banse and Hobson 1974)</p>	 <p>Anterior/middle body segments (dorsal view); 2016 PSEMP Long-term Station 21 Rep 1</p>	<p>Marine Sediment Monitoring Team</p>
<p>Jaw with 5 maxillae</p>	 <p>Maxillae Carriers</p>	<p>Norris 1999</p>

Related Species and Characteristic Differences	
Species Name	Diagnostic Characteristics
<p><i>Scoletoma zonata</i> (Johnson, 1901)</p>	<p>Prostomium rounded; brownish pigment bands (especially on anterior setigers); integument somewhat iridescent; short, stumpy posterior postsetal lobes. Confined to the intertidal/shallow subtidal in Puget Sound; rarely encountered (R.E. Ruff, personal communication).</p>
<p><i>Eranno bicirrata</i></p>	<p>Aciculae black, both pre- and postsetal lobes of posterior parapodia elongate (Blake and Ruff 2007, p. 363).</p>
<p><i>Eranno lagunae</i></p>	<p>Both pre- and postsetal lobes elongated in posterior setigers (Blake and Ruff 2007, p. 363).</p>

Comments

Editor's Note from WoRMS (2015) regarding nomenclature: No literature support was found for the new combination *Scoletoma luti*. Carlton 2007, in which it appears in a key, is not a taxonomic work. At a future date this combination may be validated (or not), but the justification appears to be as yet unpublished.

Frame (1992) resurrected the genus *Scoletoma* to include species with simple hooded hooks and simple limbate setae; *Lumbrineris* is restricted to species with compound hooks. The Marine Sediment Monitoring Program currently recognizes *Scoletoma luti* as a valid name due to the presence of simple hooks anteriorly.

Literature

- Banse, K., and K.D. Hobson. 1974. Benthic errantiate polychaetes of British Columbia and Washington. *Bulletin of the Fisheries Research Board of Canada*. 185: 111.
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- Blake, J.A. and R.E. Ruff. 2007. Polychaeta. pp. 309-410. *In*: Carlton, J.T. (ed.). *The Light and Smith Manual. Intertidal Invertebrates from Central California to Oregon*. University of California Press, Berkeley.
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- Lovell, L.L. 2001. Key to the Bight '98 *Scoletoma* Blainville, 1828, emended Frame, 1992. SCAMIT Newsletter Vol. 19, No. 12. Available at <http://www.scamit.org/newsletters/2001-04.pdf>
- Norris, D. 1999. City and County of San Francisco Voucher Sheet. *Scoletoma luti*. Available at http://scamit.org/taxontools/toolbox-new/ANNELIDA/Class%20Polychaeta/Subclass%20Palpata/Order%20Aciculata/Suborder%20Eunicida/Family%20Lumbrineridae/Scoletoma%20tetraura%20Cmplx/*Scoletoma%20luti.pdf

More Information

<p>More information about Puget Sound benthic invertebrates is available at: http://www.ecy.wa.gov/programs/eap/psamp/index.htm</p>	<p>Prepared by Dany Burgess (Ecology) and Brooke McIntyre (WCC); reviewed by R. Eugene Ruff (Ruff Systematics). This document is available on the Department of Ecology's website at https://fortress.wa.gov/ecy/publications/SummaryPages/1603217.html</p>	<p>If you need this document in a format for the visually impaired, call (360) 407-6764. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call (877) 833-6341.</p>
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