



## *Prionospio steenstrupi* Malmgren, 1867

Nomenclature	
Phylum	Annelida
Class	Polychaeta
Order	Spionida
Family	Spionidae
Common Synonyms (S)	<i>Prionospio (Prionospio) steenstrupi</i>
Previous Names (PN)	(superseded subgenus) <i>Prionospio</i>
Source: WoRMS (2015)	<i>steenstrupi/jubata</i> (standardization)



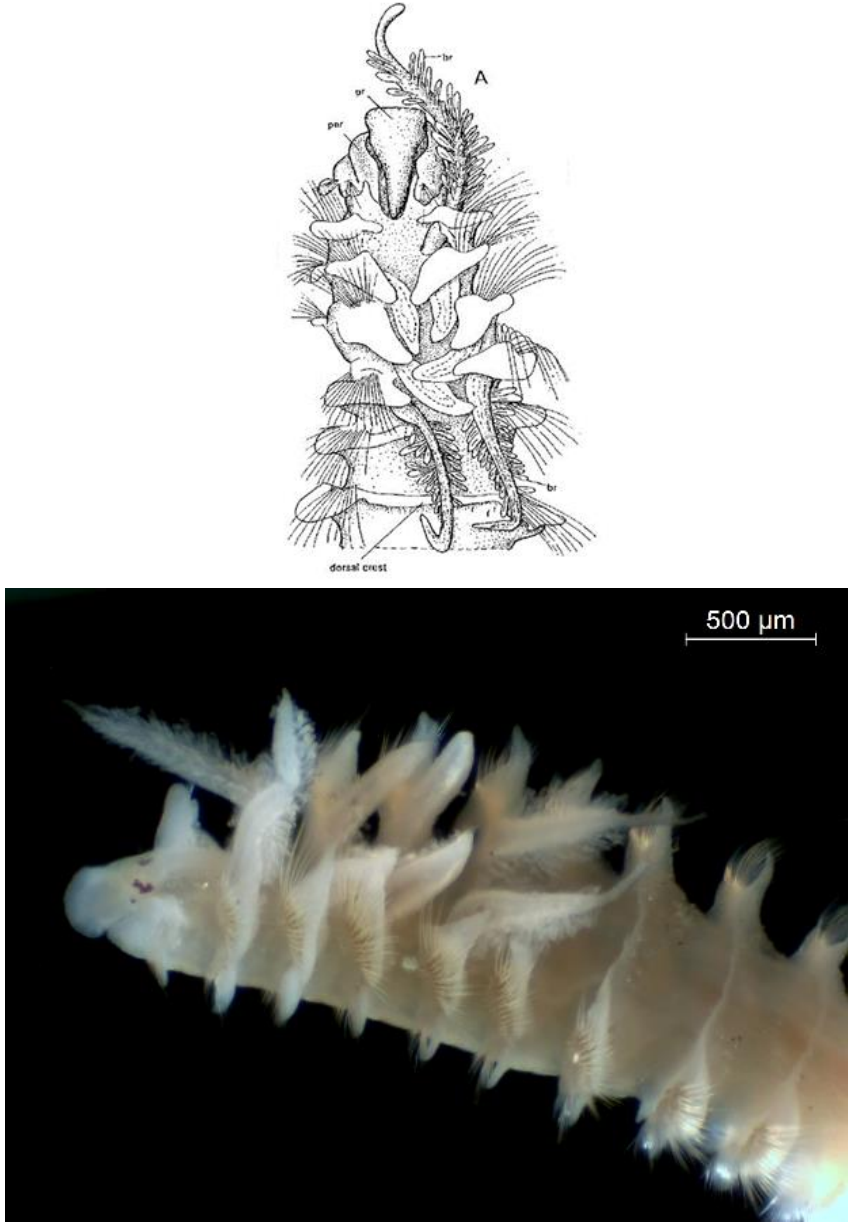
Distribution	
Type Locality	Iceland (Hartman 1959)
Geographic Distribution	Iceland, Greenland, Sweden, New England, Bering Sea, Beaufort Sea (Blake 1996); Puget Sound, WA
Habitat	Continental shelf depths to about 150 m, occasionally in upper slope depths (Blake 1996)

Description
From Blake 1996 (unless otherwise noted)
<b>Size/Color:</b> Largest specimen examined 12 mm wide and 38 mm long for 110 setigers; white to dark tan in alcohol (Maciolek 1985).
<b>Body:</b> Thin, expanded anteriorly, gradually tapering through the length of the body (R.E. Ruff, personal communication).
<b>Prostomium:</b> Truncate, subtriangular, tapering to narrow caruncle, extending to setiger 3. Two pairs of eyes present (or eyes absent). Peristomium partially fused to setiger 1, with weak lateral wings.
<b>Branchiae:</b> 4 pairs, beginning on setiger 2. Pairs 1 and 4 pinnate, approximately equal in length, pinnules not extending to tips. Pairs 2 and 3 shorter, apinnate, with cilia along one edge.
<b>Parapodia:</b> Notopodial postsetal lamellae foliaceous, as wide at base as long, smaller and rounded in middle setigers. Notosetae extend beyond tips of lamellae. Dorsal crests start on setiger 7 for variable number of setigers. Interparapodial pouches absent, although large specimens may have membranous swellings behind notopodial lamellae. Neuropodial postsetal lamella of setiger 2 with a triangular ventral projection (R.E. Ruff, personal communication).

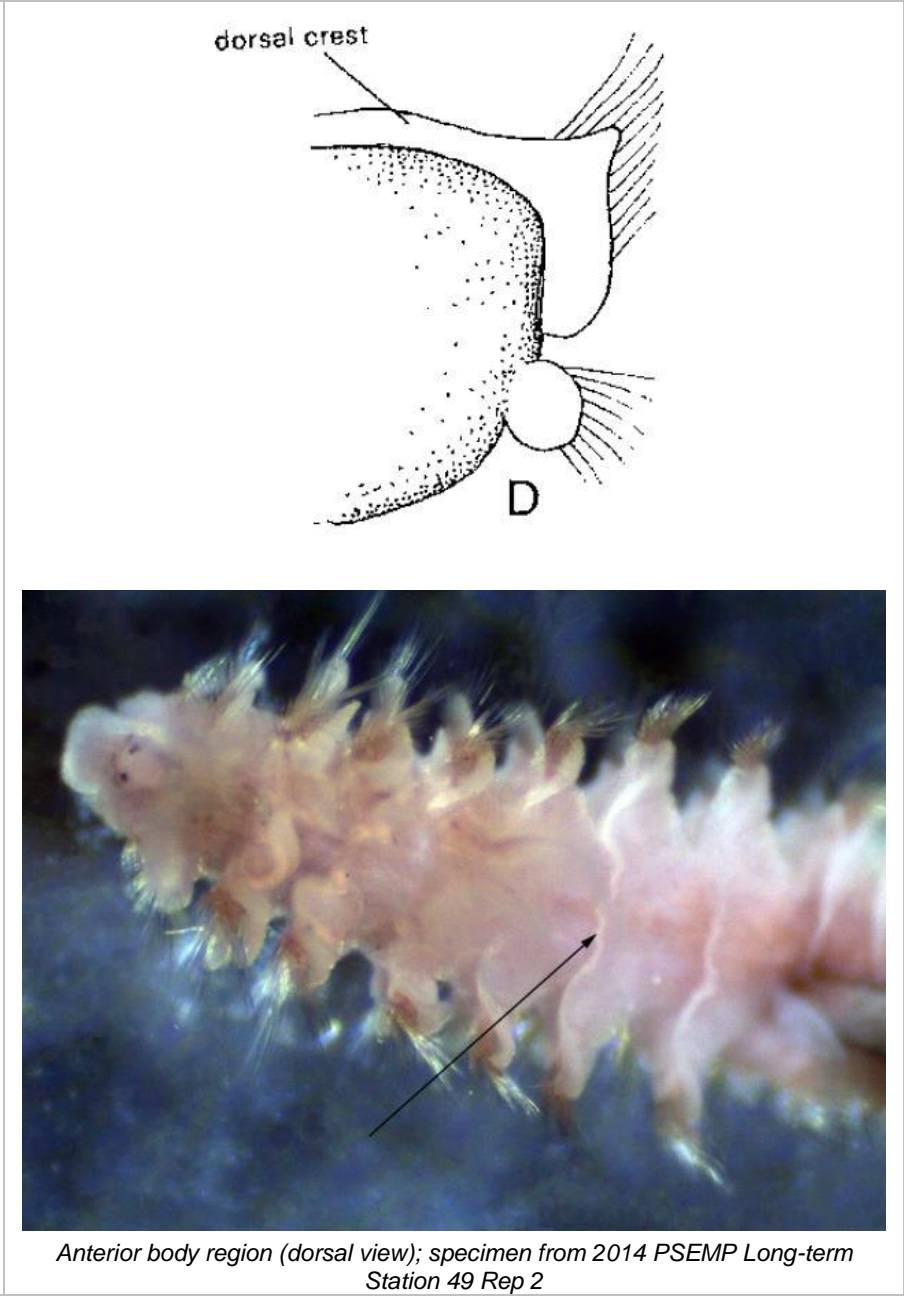
**Setae:** Anterior setae heavily granulated capillaries; thinner and smooth from setiger 15. Posterior setae include long and short capillaries. Neuropodial hooded hooks from setiger 12-17; multidentate notopodial hooks from setiger 40-54. Inferior neuropodial sabre setae from setiger 10-12.

**Pygidium:** With 1 long dorsomedial cirrus and 2 shorter lobes.

## Diagnostic Characteristics

Diagnostic Characteristics	Photo, Illustrations	Photo, Illustration Credit
<p>Branchiae present on setigers 2-5, pairs 1 and 4 pinnate and similar in length (although 4 may be slightly longer); pairs 2 and 3 shorter, apinnate</p>	 <p style="text-align: center;"><i>Anterior body region (lateral view); specimen from 2015 Urban Bays Station 155</i></p>	<p>Blake 1996, p. 124 (after Maciolek 1985)</p> <p>Marine Sediment Monitoring Team</p>

Dorsal crests begin on setiger 7 (a low crest may be present on setiger 6)



Blake 1996, p. 124

Marine Sediment Monitoring Team

Anterior body region (dorsal view); specimen from 2014 PSEMP Long-term Station 49 Rep 2

Related Species and Characteristic Differences	
Species Name	Diagnostic Characteristics
<i>Prionospio lighti</i> Maciolek 1985	6-12 pairs of cylindrical apinnate branchiae; prostomium spindle-or wedge-shaped; with posterior caruncle extending only to setiger 1.
<i>Prionospio multibranchiata</i> Berkeley, 1927	7-11 pairs of cylindrical apinnate branchiae; prostomium teardrop-shaped, with large, dark, crescentic eye.

## Comments

## Literature

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- Maciolek, N.J. 1985. A revision of the genus *Prionospio* Malmgren, with special emphasis on species from the Atlantic Ocean, and new records of species belonging to the genera *Apoprionospio* Foster and *Paraprionospio* Caullery (Polychaeta, Annelida, Spionidae). *Zoological Journal of the Linnean Society* 84 (4): 325–383.
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## More Information

<p>More information about Puget Sound benthic invertebrates is available at: <a href="http://www.ecy.wa.gov/programs/eap/psamp/index.htm">http://www.ecy.wa.gov/programs/eap/psamp/index.htm</a></p>	<p>Prepared by Dany Burgess (Ecology); reviewed by R. Eugene Ruff (Ruff Systematics). This document is available on the Department of Ecology's website at <a href="https://fortress.wa.gov/ecy/publications/SummaryPages/1603216.html">https://fortress.wa.gov/ecy/publications/SummaryPages/1603216.html</a></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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