



Cistenides granulata (Linnaeus, 1767)

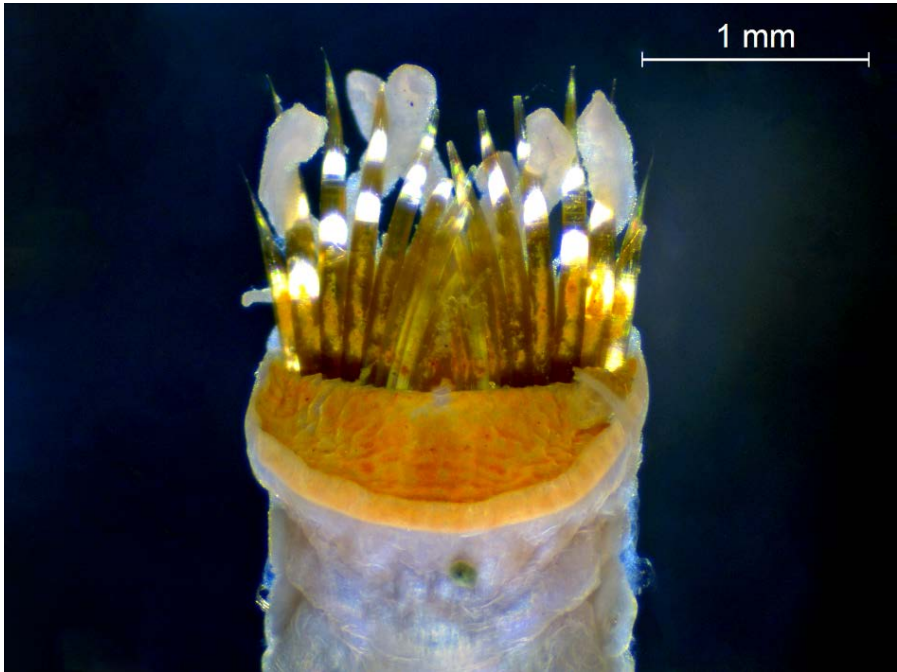

Nomenclature	
Phylum	Annelida
Class	Polychaeta
Order	Terebellida
Family	Pectinariidae
Synonyms	<i>Sabella granulata</i> Linnaeus, 1767 <i>Cistenides brevicoma</i> Johnson, 1901
	Accepted, alternate representation: <i>Pectinaria granulata</i> (Linnaeus, 1767)

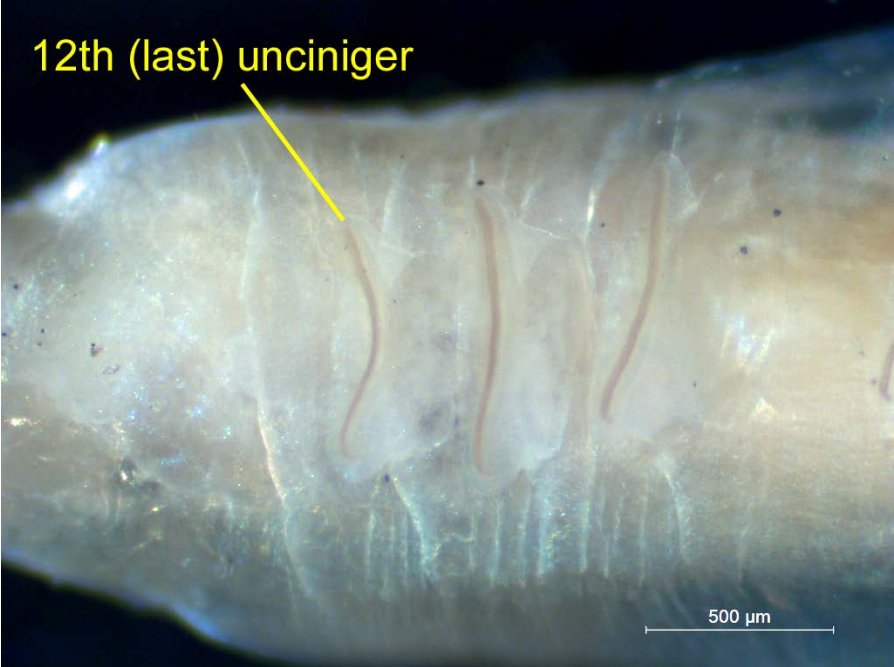
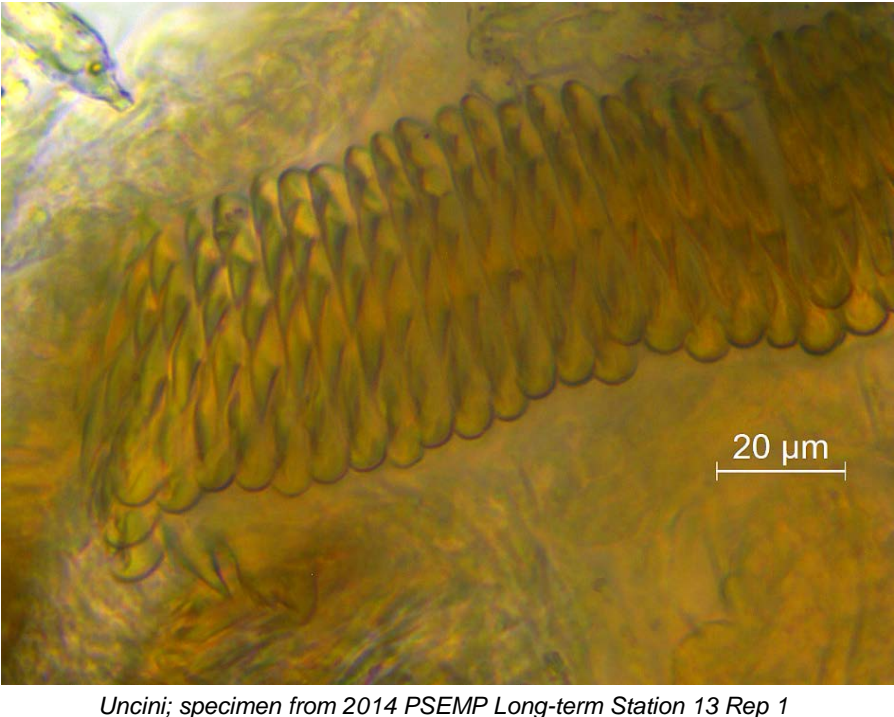



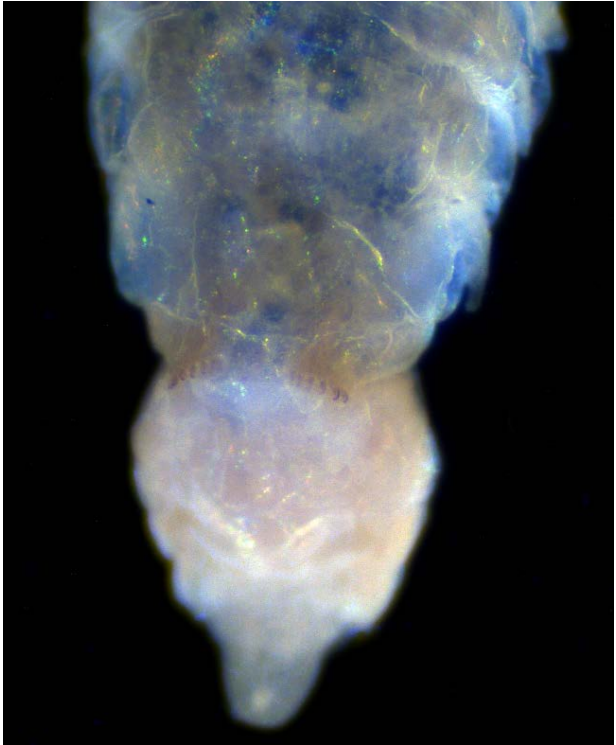

Distribution	
Type Locality	Western Europe
Geographic Distribution	Canadian Atlantic, New England, Canadian Arctic, East Siberian Sea, Bering Sea, Sea of Okhotsk, Kamchatka, Japan Sea, Alaska, Canadian Pacific. East Greenland, Iceland, the Faeroes, Finnmark, Spitzbergen (Kluijver et al). Puget Sound, Washington.
Habitat	Shallow subtidal in gravel and coarse sand (Blake and Ruff 2007)

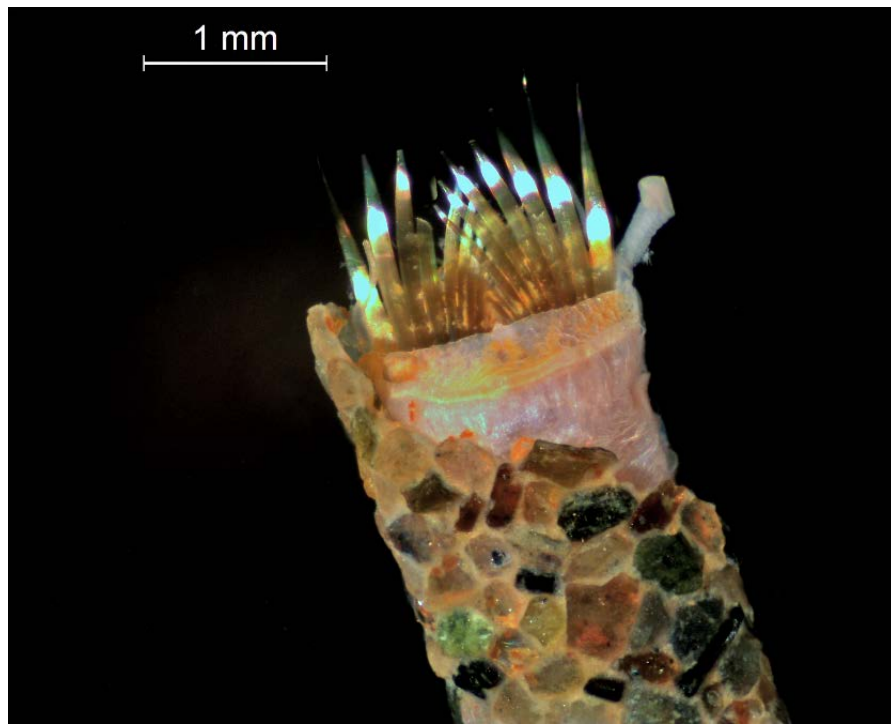
Description
From Hobson and Banse 1981 (unless otherwise noted)
Size: Up to 52 mm long (Kluijver et al).
Body: Soft, translucent and tapering posteriorly; with 12 uncinigers and scaphe.
Prostomium: Tentacular membrane low, broad, usually not folded and with 30-50 points (Kluijver et al). Distal rim of cephalic plate smooth (Kozloff 1987). Each side with 7-13 golden paleae; tips blunt or short, straight, and hair-like.
Branchiae: 2 pairs.
Chaetae: Notochaetae on 17 segments. Uncini with 3-4 major teeth, usually in a single row.
Scaphe: With pointed lobes on the margin; anal tongue and pygidial cirrus moderately long (Kluijver et al). With 5-10 weakly curved scaphal hooks on each side, "shoulder" distinct.
Tube: Composed of coarse sand grains; slightly curved.

Diagnostic Characteristics

Diagnostic Characteristics	Photo, Illustrations	Photo, Illustration Credit
<p>Paleae golden; tips blunt OR short, straight, and hair-like</p>	 <p><i>Anterior end (dorsal view); specimen from 2014 PSEMP Long-term Station 13 Rep 1 (North Hood Canal, WA)</i></p>  <p><i>Anterior end (ventral view); specimen from 2014 PSEMP Long-term Station 13 Rep 1</i></p>	<p>Marine Sediment Monitoring Team</p>

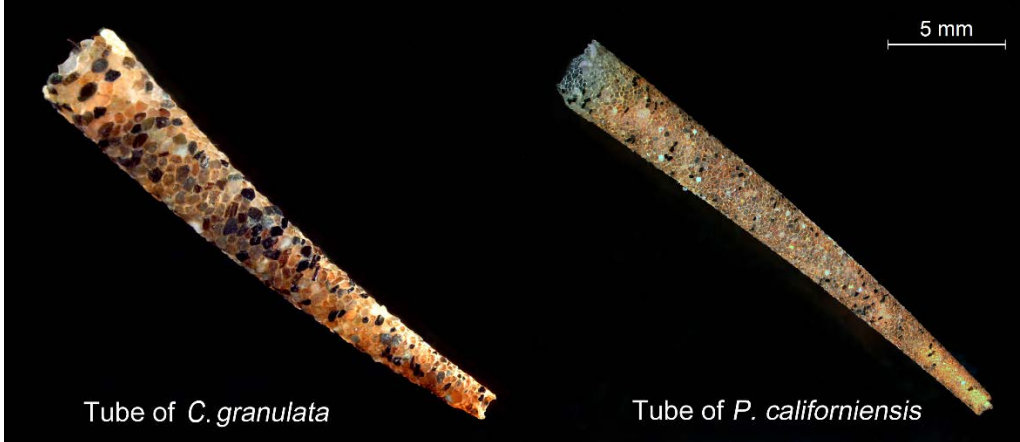
<p>Twelve uncinigerous segments</p> <p>Tori of last 2 uncinigers similar in length</p>	 <p>12th (last) unciniger</p> <p>500 μm</p>	<p>Marine Sediment Monitoring Team</p>
<p>Uncini with 3 or 4 major teeth, usually in a single row</p>	 <p>20 μm</p> <p><i>Uncini; specimen from 2014 PSEMP Long-term Station 13 Rep 1</i></p>	<p>Marine Sediment Monitoring Team</p>

<p>5-10 weakly curved scaphal hooks on each side</p>		 <p><i>Scaphe (dorsal view); specimen from 2014 PSEMP Long-term Station 13 Rep 1</i></p>	<p>LEFT: Hartman 1941, Plate 49</p> <p>RIGHT: Marine Sediment Monitoring Team</p>
<p>Tube composed of coarse sand grains; slightly curved</p>	 <p><i>C. granulata in tube; specimen from 2014 Long-term Station 13 Rep 2</i></p>	<p>Marine Sediment Monitoring Team</p>	



C. granulata in tube (dorsal view); specimen from 2014 PSEMP Long-term Station 13 Rep 1

Related Species and Characteristic Differences

Species Name	Diagnostic Characteristics
<p><i>Pectinaria californiensis</i></p>	<p>Paleae coppery, tips very slender, hairlike and recurved; 13 uncinigers, 13th tori half the length of the 12th; tube straight, composed of fine, reddish-brown sand (photo by the Marine Sediment Monitoring Team).</p>  <p style="text-align: center;"> Tube of <i>C. granulata</i> Tube of <i>P. californiensis</i> </p>

Comments

According to Hutchings and Peart (2002), the genus *Pectinaria* is distinguished from the genus *Cistenides* by having 2 rows of teeth on the uncini instead of 1.

Literature

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- Kluijver, M.J. de, Ingalsuo, S.S., Nieuwenhuijzen, A.J.L. van & H.H. Veldhuijzen van Zanten. *Pectinaria granulata*. In: *Macrobenthos of the North Sea – Polychaeta. Marine Species Identification Portal*. Accessed online at http://species-identification.org/species.php?species_group=macrobenthos_polychaeta&id=786&menuentry=sources on 2016-5-18. (As *Pectinaria granulata*)
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- Kozloff, E.N. 1987. *Marine Invertebrates of the Pacific Northwest*. University of Washington Press, Seattle, WA. 511 pp. (p. 158, as *Pectinaria granulata*)

More Information

To learn more about our Voucher Sheet project, please visit: <http://ecologywa.blogspot.com/2017/03/eyes-under-puget-sound-voucher-sheet.html>

More information on Puget Sound marine monitoring is available on our [website](#), including a full list of published [benthic invertebrate voucher sheets](#).

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