

***Monticellina serratiseta* (Banse & Hobson, 1968)**



Nomenclature	
Phylum	Annelida
Class	Polychaeta
Order	
Family	Cirratulidae
Authority	(Banse & Hobson 1968)
Original Description	Banse, K. and K.D. Hobson. 1968. [p. 30 (as <i>Tharyx serratiseta</i>)]
Common Synonyms (S) Previous Names (PN)	Synonyms: <i>Aphelochaeta</i> sp 2 <i>Aphelochaeta</i> sp N4





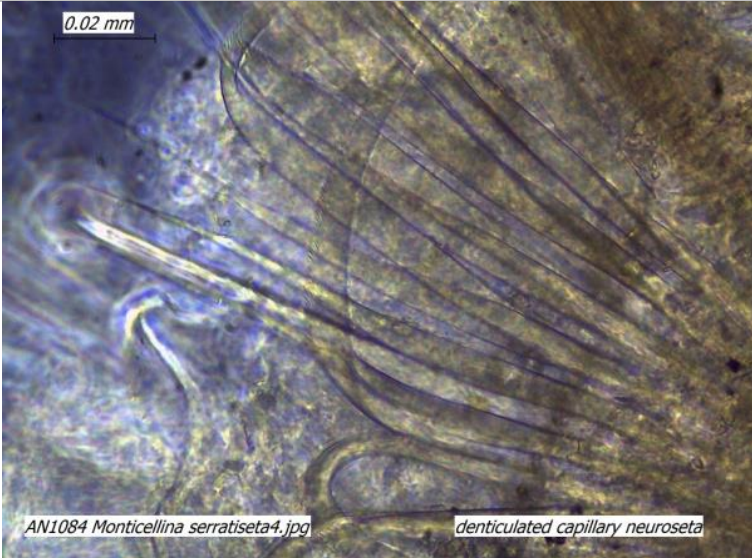
Distribution	
Type Locality	off Des Moines, WA, USA
Geographic Distribution	
Habitat	Depth 3-170 m

Description
<p>Prostomium triangular, bluntly pointed, without eyes but with semicircular nuchal organs; achaetous peristomium barrel-shaped with 2-3 pseudoannulations and a dorsal arched carina; palps arising in a notch at the anterior margin of setiger one; first pair of branchiae arising lateral to the palps.</p> <p>Thoracic region slightly widened, with numerous narrow, crowded setigers. Dorsum arched and set apart from the parapodia by deep lateral grooves; thoracic ventrum flattened, with three shallow longitudinal grooves and a light, creamy, glandular ventrum.</p> <p>Parapodia well-developed in the thoracic region, with dense fascicles of setae; parapodia lateral through the thorax, and becoming ventrolateral in position thereafter. Setigers in the median region about three times wider than long, with a ventral groove that extends through the length of the body; posterior region not expanded.</p> <p>Notosetae smooth, silky and capillary; nearly as long as the body width in the median setigers. Neurosetae shorter, those in the median region very short, broadened and tapering to capillary tips, with minute serrations along the cutting edge.</p> <p>Pygidium with a short rounded ventral lobe and dorsoterminal anus. Body without methyl green staining bands.</p>

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Diagnostic Characteristics		
Diagnostic Characteristics	Photo, Illustrations	Photo, Illustration Credit
Thorax dorsally arched and ventrally flat with three shallow longitudinal grooves		Marine Sediment Monitoring Team
First branchial pair lateral to dorsal tentacles on setiger one		

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<p>Thoracic parapodia delineated by deep lateral grooves; parapodia shifting to a ventrolateral position beyond the thorax</p>	 <p>2 mm</p> <p>AN2429 Monticellina serratiseta3.jpg</p> <p>dorsal view</p>	
<p>Notosetae numerous and silky in appearance</p>	 <p>1 mm</p> <p>AN2429 Monticellina serratiseta1.jpg</p>	
<p>Median neurosetae short, broad, with minute serrations along one edge</p>	 <p>0.02 mm</p> <p>AN1084 Monticellina serratiseta4.jpg</p> <p>denticulated capillary neuroseta</p>	<p>Marine Sediment Monitoring Team</p>

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Related Species and Characteristic Differences

Species Name	Diagnostic Characteristics
<i>Aphelochaeta glandaria</i>	Anterior thorax without ventral grooves; median neurosetae thin and without serrations along a cutting edge; posterior setigers expanded

Comments

This species can be quite large and the gut often contains sand grains and finer detritus (Banse & Hobson, 1968).

Literature

Banse, K. and K.D. Hobson. 1968. Benthic polychaetes from Puget Sound, Washington, with remarks on four other species. Proc. U.S. Natl. Mus. 125: 1-53. [p. 30 (as *Tharyx serratiseta*)]

Blake, J.A. 1996. Chapter 8, Family Cirratulidae Ryckholdt, 1851. Pages 263-384. IN: Blake, J.A.; B. Hilbig; and P.H. Valentich-Scott (editors). Taxonomic Atlas of the Benthic Fauna of the Santa Maria Basin and Western Santa Barbara Channel. Volume 6 - The Annelida Part 3. Polychaeta: Orbiniidae to Cossuridae. Santa Barbara Museum of Natural History. Santa Barbara, California. ISBN 0-93649-11-5. [p. 325]

Fournier, J.A. and C.D. Levings. 1982. Polychaetes recorded near two pulp mills on the coast of northern British Columbia: a preliminary taxonomic and ecological account. Syllogeus 40: 1-91. [p. 34 (as *Tharyx serratiseta*)]

More Information

More information about Puget Sound benthic invertebrates is available at:
<http://www.ecy.wa.gov/programs/eap/psamp/index.htm>

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