

# Notomastus tenuis Moore, 1909

Nomenclature			
Phylum	Annelida		
Class	Polychaeta		
Family	Capitellidae		
	<i>Notomastus angulatus</i> Chamberlin, 1919		
Suponyme	Accepted, alternate representation Notomastus (Clistomastus) tenuis Moore, 1909 (disused subgenus)		
Synonyms Moore, 1909 (disused subgenus)			



Distribution	
Type Locality	San Diego, CA
Geographic Distribution	Eastern Pacific, British Columbia to southern California; Puget Sound, WA
Habitat	Sandy beaches, shallow bays, and estuaries; NOT known to occur in shelf depths (García-Garza et al 2012)

### Description

From García-Garza et al 2012 (unless otherwise noted)

**Size/Color:** Holotype incomplete with 60 segments, 13 mm long, 1 mm wide. Yellow to light brown in alcohol.

**Body:** 12 thoracic segments, 11 with capillaries only (characteristic of genus). 1<sup>st</sup> chaetiger uniramous. Body long, slender; transition between thorax and abdomen abrupt (last thoracic chaetiger narrowing, followed by enlarged abdominal chaetigers) and marked by chaetal change. Thorax biannulate, abdomen uniannulate. Epithelium smooth throughout.

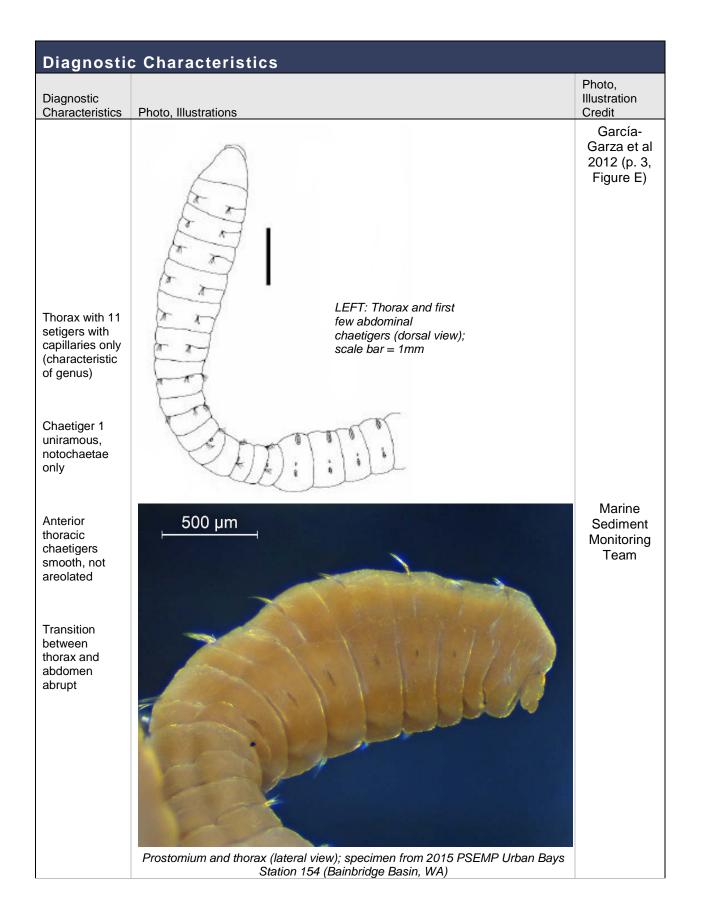
**Prostomium:** Conical; patches of eyespots present but may be faded. Peristomium achaetous.

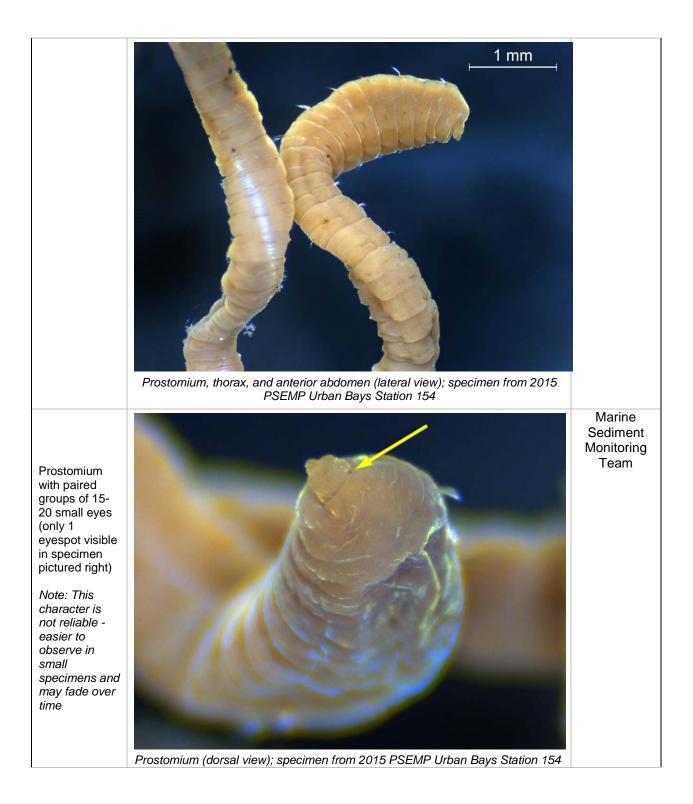
Branchiae: Absent (not observed in holotype).

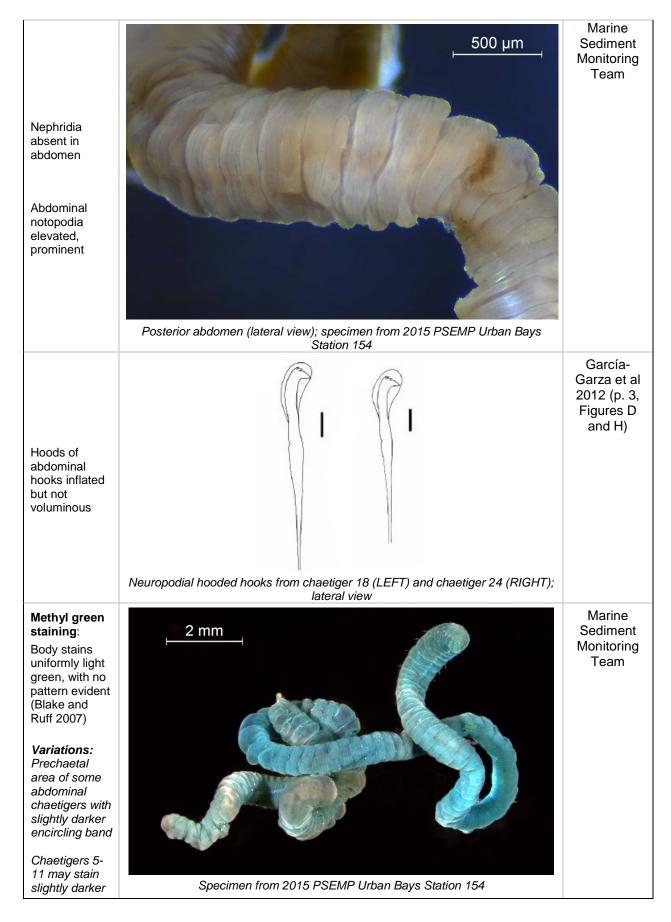
**Parapodia:** Notopodia separated by wide gap; lobes prominent in abdomen, giving body a "nubbly" appearance (Blake 2000). Neuropodia small. Lateral organs from chaetiger 1, between notopodia and neuropodia; oval-shaped in thoracic region and appearing as small protuberances in abdominal region, until end of body. Genital pores on thoracic intersegmental areas 5/6, 6/7, 7/8, 8/9, 9/10.

**Chaetae:** Bilimbate capillaries on thoracic chaetigers; abdominal chaetigers with hooded hooks only, on both rami. Hooks with evident constriction, wide shoulder, moderate hood, and 4 to 5 rows of multidentate subapical teeth above main fang.

Pygidium: Simple, no appendages.







## Related Species and Characteristic Differences

Species Name	Diagnostic Characteristics	
Notomastus hemipodus	The most similar species to <i>N. tenuis</i> (often confused, as it can co-occur); with only 1 minute pair of eyespots; anterior thoracic chaetigers changing abruptly in size; striking methyl green staining pattern of ventral "racing stripes" in abdomen.	
Notomastus lineatus	Chaetiger 1 biramous; MG staining produces dorsal banding on abdominal chaetigers	
Notomastus latericeus	Chaetiger 1 biramous; branchiae long, single, filamentous; distinctive MG staining pattern of dark green nephridial pores in abdomen.	
Decamastus gracilis	Chaetiger 1 biramous; 10 thoracic setigers with capillaries.	

#### Comments

Often confused with *Notomastus hemipodus*, but may be easily distinguished by MG staining (see "Related Species..." section above).

*Notomastus tenuis* is encountered infrequently during subtidal Puget Sound sediment monitoring; this may be because it occurs more in shallow, intertidal depths. This is consistent with what has been observed in western British Columbia (Hiroki Tomoe, personal observation).

### Literature

- Blake, J.A. 2000. Family Capitellidae Grube, 1862. Pp. 47-96. IN: Blake, James A.; Hilbig, Brigitte; and Scott, Paul Valentich (Eds). Taxonomic Atlas of the Benthic Fauna of the Santa Maria Basin and Western Santa Barbara Channel. Volume 7. The Annelida Part 4. Polychaeta: Flabelligeridae to Sternaspidae. Santa Barbara Museum of Natural History, Santa Barbara, CA. (p. 85-86)
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- García-Garza, M. E., Harris, L.H., and J.A. De León-González. 2012. Redescription of *Notomastus hemipodus* Hartman, 1945 and *N. tenuis* Moore, 1909 (Polychaeta: Capitellidae). *Proceedings* of the Biological Society of Washington 125(1): 1-11.
- Hartman, O. 1947. Polychaetous annelids. Part VII. Capitellidae. *Allan Hancock Pacific Expeditions*, 10(4/5): 391-481.
- Hartman, O. 1969. Atlas of the sedentariate polychaetous annelids from California. Allan Hancock Foundation, University of Southern California, Los Angeles. 812 pp. [pp. 397-398, as Notomastus (Clistomastus) tenuis]
- Hobson, K.D. and K. Banse. 1981. Sedentariate and archiannelid polychaetes of British Columbia and Washington. *Can. Bull. Fish. Aquat. Sci.* 209: 144 p.

Kozloff, E.N. 1987. *Marine Invertebrates of the Pacific Northwest*. University of Washington Press. Seattle, WA. 511 pp.

Moore, J. Percy. 1909. Polychaetous annelids from Monterey Bay and San Diego, California. *Proceedings of the Academy of Natural Sciences of Philadelphia.* 61: 235-295, plates VII-IX.

More Information				
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