



City and County of San Francisco Voucher Sheet

Voucher #: P775

Taxa: Polychaeta: Cirratulidae

Species: *Aphelochaeta petersenae*

Authority: Blake, 1996

Original Prep. Date: 27 Dec 99

Common Synonyms: *Aphelochaeta* sp. SF1

Prepared By: D. Norris, S. McCormick

Species Code: Aph_petersenae

Voucher Information

SAMPLE NUMBER	STATION	SAMPLE DATE	NUMBER OF SPECIMENS	COMMENTS/NOTES
BSSWD229	06	11 Sep 95	1	1.0 mm sieve, M. Kellogg
BSSWC226	01	11 Sep 95	1	1.0 mm sieve, M. Kellogg
BSSWD181	25	11 Mar 93	1	1.0 mm sieve, M. Kellogg

Characters:

- Prostomium terminates in an acute point (a and b)
- Neurosetae are capillary with very slight serrations (visible only under oil emersion (100x) examination)
- Dark methyl green staining of prostomium and peristomium only, sometimes ventrum of thorax will stain lightly (no abdominal staining) - stain on prostomium even except for light stain on the anterior tip of the prostomium and an "eye patch"-like area (a and b)
- Ventral groove sometimes present (if not present, represented by a white, ventral stripe)

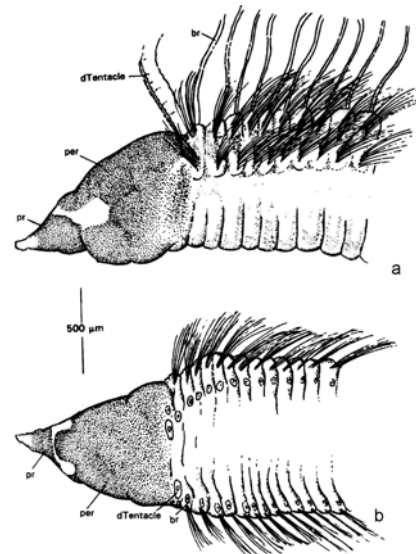
Additional Information:

Pygidium is slightly inflated. Sometimes there is orange pigment on the branchiae and the ventrum of the thoracic segments.

DISTRIBUTION: Northern to Southern California

HABITAT: intertidal to shallow subtidal, in mud or muddy sand bottoms

Illustrations:



Figures: adapted from Blake (1996) showing methyl green staining pattern

Related Species:

Aphelochaeta glandaria - very similar to Blake's description of *A. petersenae* species; however, there is a definite staining pattern on the head region of *A. petersenae*.

Comments:

Staining of Cirratulidae is sometimes not effective and has caused some problems with identification within this family.

References:

Blake, J. A. 1996. Family Cirratulidae Ryckholdt, 1851. Pp. 340-341 in J. A. Blake, B. Hilbig, and P. H. Scott (eds.) Taxonomic Atlas of the Santa Maria Basin and Western Santa Barbara Channel, vol. 6. The Annelida, part 3. Santa Barbara Museum of Natural History, Santa Barbara, CA. 418 pp.

