

CITY OF SAN DIEGO VOUCHER SHEET

Species: *Ophelina sp. SD 1*

Authority: [fide Rowe, 1995]

Common Synonyms:

This may be synonymous with
Ophelina breviata (Ehlers, 1913)-see comments

Taxa: Annelida: Opheliidae

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By: R. Rowe

Voucher Specimen(s):

Station	Date	Depth	Storage Location	Voucher #
E-9(1)	25July95	378ft.	Pt. Loma 'DLZ'	1001
SCBPP-103	18Aug94	93m	Pt. Loma Main	in progress

Characters (used in lab to confirm ID):

1. Ventral groove present along entire body
2. Branchiae present beginning on setiger 2 and continuing to setiger 27 (some may be missing)
3. 32 total setigers
4. No lateral eyespots
5. Proboscis fringed (similar to figure of *O. pallida* in Hartman, 1969)
6. Large 'nuchal organs' just anterior to first setae
7. Anal tube approximately as long as last 5 setigers, opens terminally with approximately 8 evenly spaced short and two 3X longer (ventral) cirri (Longer cirrus broken off in one specimen)
8. All setae are long thin capillaries, approximately 10 per fascicle, some notosetae much longer on posterior setigers

Full Description :

Related Species (include character differences):

- O. acuminata*- Has open anal scoop, opening consists of a ventral slit lined with short cirri, proboscis is smooth
O. pallida- Has no anal tube-like structure
O. breviata- See comments below

Comments: The specimens of *O. sp. SD 1* fit the gross description in Hobson, 1977 and Hobson & Banse, 1981 for *O. breviata* (Ehlers). Pettibone, 1954 page 295 describes *O. breviata* with "proboscis saclike, smooth". A thorough description of *O. breviata* has not been found and specimens need to be compared to *O. sp. SD 1*.

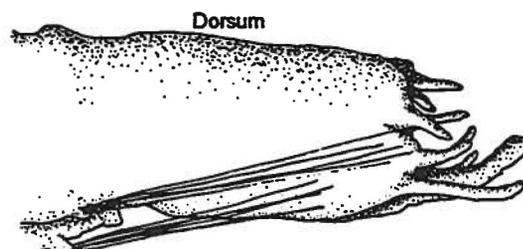
Specimens of *O. sp. SD 1* in S. Cal. Bight Pilot Project (Stations 103, 753, & 245) were reported as *Ophelina sp.*

References: Hobson, K.D. 1977. Notes on benthic sedentariate polychaeta from British Columbia and Washington. *Syesis* 9:135-142.

Hobson, K.D. & K. Banse. 1981. Sedentariate and archiannelid polychaetes of British Columbia and Washington. *Can. Bull. Fish. Aquat. Sci.* 209:144.

Pettibone, M.H. 1954 Marine polychaete worms from Point Barrow, Alaska with additional records from the north Atlantic and north Pacific. *Proc. U.S. Nat. Mus.* 103(3324):203-356.

Illustration :



Anal tube- *Ophelina sp. SD 1*
Lateral view
(Original drawing)



Anal scoop- *Opelina acuminata*
Ventral view
(from Hartman, 1969 as *Ammotrypane aulogaster*)