

City of San Diego
PROVISIONAL SPECIES WORKSHEET

Provisional Name: *Nephtys sp SD 2*

Taxon: Nephtyidae

Taxonomist: R.Rowe

Authority:

Date: 2 May 1997

Common Synonyms:

Specimen(s):	STATION	DATE	DEPTH	STORAGE	LOCATION	VIAL #
ITP	I-4 rep 2	10Jan97	64ft.	DLZ		# 2001

Characters:

(Single entire specimen --approximately 100 setigers--maximum width 1.2mm @setiger 10)

Interramal cirri from setiger 4

No unpaired subdistal dorsomedian papilla
(appears that dorsalmost is a pair of papillae similar in length to other subdistal papillae)
--see fig.1

"Brain" extends to approximately setiger 5
--see fig.2

Median parapodia with:
--low, broad postsetal lobes
-- no incisions at acicula on acicular lobes
-- short, broad, only slightly recurved
interramal cirri
--see fig.3

Only pigment is a single spot dorsomedian on the prostomium

20 paired plus single, short, dorsomedian and ventromedian terminal papillae, and apparently 22 rows of subterminal papillae with 4-5 / row

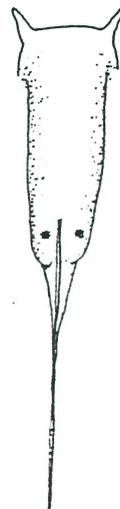
Illustrations:

fig.1 Ventral view brain

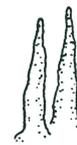


fig.1 dorsalmost subterminal papillae

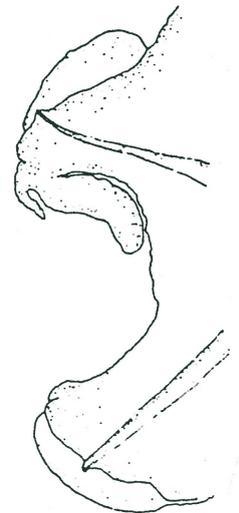
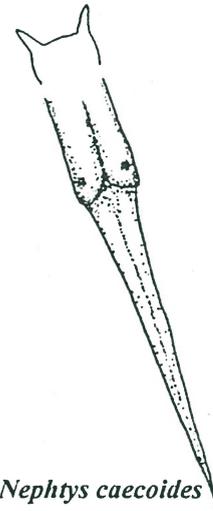


fig.3 median parapodium anterior view

fig. 4 *Nephtys caecoides*
ventral view of brain

(all figs. original--methyl-green stain used to reveal "brain" structure)

Related Species & Other Comments:

This lacks the obvious unpaired subdistal dorsomedian papilla, the incisions on the acicular lobes of the median parapodia, and the pigment pattern of *Nephtys caecoides*. Similar-sized individuals (3) of *N. caecoides* found in ITP I-4rep.1, 10Jan1997, 64ft. (same station and survey but other replicate sample). The "brain" of one of these was examined and is structured as in fig. 4 above.

This species shares many of the characters of *N. parva*, but is much larger in size and has a different gross brain morphology.

References: