



City and County of San Francisco Voucher Sheet

Species: *Nephtys ferruginea*

Authority: Hartman, 1940

Common Synonyms:

Voucher #: P350

Taxa: Polychaeta: Nephtyidae

Original Prep.Date: 13 Feb 2007

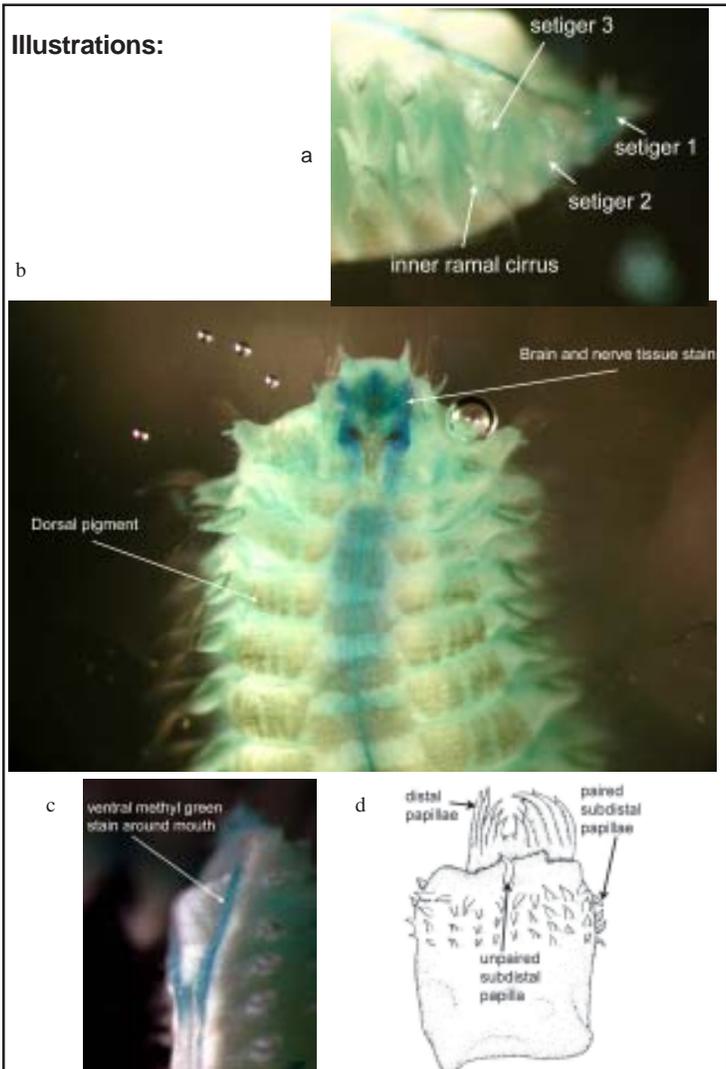
Prepared By: D. Norris

Species Code: Nep_ferruginea

Characters:

- Inner ramal cirri begin on setiger 3 (a), first inner ramal cirri are small and difficult to see on juvenile specimens.
- Dorsum pigmented with ribbed pattern (may fade in alcohol) (b)
- Brain and nerve tissue stain dark with Methyl Green which is visible through the prostomium and dorsum (b)
- Methyl Green stains the ventrum around the mouth (c)
- Proboscis has a mid-dorsal subdistal unpaired papilla which is about twice as long as the other subdistal papillae. There are 22 pairs of subdistal papillae and 3-6 papillae per row (d).

Illustrations:



a,b and c photographed by D. Norris of specimen in vial #2
d adapted from illustration of *Nephtys caecoides* in Hilbig, 1997

Additional Information:

Range: mud and clay from 20 to 450 m depth.

Distribution: British Columbia to Peru.

(Hilbig 1997)

Similar Species:

Nephtys caecoides - Inner ramal cirri begin on setiger 4, no ribbed pigment pattern on dorsum

Nephtys californiensis - no subdistal unpaired papilla, middorsal distal papilla present (see *N. californiensis* voucher sheet), no ribbed pigment pattern on dorsum.

Nephtys ferruginea (continued)

Comments:

We get all three species (*N. ferruginea*, *N. caecoides* and *N. californiensis*). Unpigmented specimens with interramal cirri starting on setiger 3 should be examined for Methyl Green stain and proboscidal papillae arrangement.

References:

Hartman O., 1968. Atlas of the Errantiate Polychaetous Annelids from California. Los Angeles California: Allan Hancock Foundation, USC. pp. 828.

Hilbig B., 1997. Family Nephtyidae Grube, 1850. in: Blake J. A., Hilbig B., Scott P., ed. *Taxonomic Atlas of the Benthic Fauna of the Santa Maria Basin and the Western Santa Barbara Channel*. revised ed. Volume 4 - The Annelida Part 1. Santa Barbara: Santa Barbara Museum of Natural History. pp. 317-49.

Lovell L., 1997. A review of six species of *Nephtys* (Cuvier, 1817) (Nephtyidae: Polychaeta) described from the eastern Pacific. *Bulletin of Marine Science* 60(2):350-63.

Voucher Specimens

Vial Number	Sample Number	Station	Sample Date	Number of Specimens	Comments
1	0409166836	35	17 Sep 2004	1	DJN, proboscis internal but dissected open
2	0609113680	34	18 Sep 2006	1	DJN, photographed for voucher sheet

Revision History: