



CITY OF SAN DIEGO VOUCHER SHEET

Species: *Pentamera populifera*

Authority: (Stimpson 1864)

Common Synonyms:

Taxon: Holothuroidea: Phyllophoridae

Date: 3 February 1995

By: Megan B. Lilly

Voucher Specimen(s):

Station

Date

Storage Location

Voucher#

SCBPP4010

Characters:

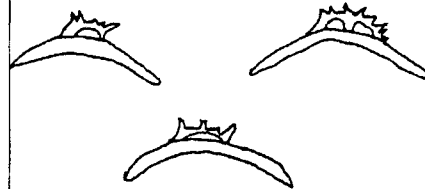
Color - usually white. Body wall tables are large with either star shaped or irregular outlines and tall spires. Supporting tables are small and curved with squat spires having "teeth"/projections on top. See illustrations.

Illustration: Megan B. Lilly

Body wall tables
(spires will be out of focus as they are in the plane coming towards you)



Supporting tables



Full Description:

The true *Pentamera populifera* is a white holothuroid (not tan or dark). Tissue mounts reveal numerous star shaped or irregular body wall tables as well as curved supporting tables with squat, flat spires having teeth at the apex. See illustrations.

Related Species:

See voucher sheets for *P. pseudopopulifera* and *Havelockia benti var zaca*.

Comments:

To see the spicules you need to dissolve a section of tissue in bleach. The easiest way to do this is to cut a small piece of tissue from the animal and place it on a slide. Place a drop or two of bleach directly onto the tissue. On tissue dissolves swirl gently to distribute spicules and then place a cover slip on the slide (yes, right over the bleach). View under compound scope. Try to remove a piece of tissue from the body wall that includes podia so you can look at both body wall and supporting tables.

References:

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