

1. PaDIL Species Factsheet



Scientific Name:

Boccardia knoxi (Rainer, 1973)

Annelida: Polychaeta: Spionidae

Common Name

Spionid worm

Live link: <http://www.padil.gov.au:80/pests-and-diseases/Pest/Main/136537>

Image Library

Australian Biosecurity

Live link: <http://www.padil.gov.au:80/pests-and-diseases/>

Partners for Australian Biosecurity image library



Museum Victoria

<http://museumvictoria.com.au/>



CRC National Plant Biosecurity

<http://www.crcplantbiosecurity.com.au/>



Plant Health Australia

<http://www.planthealthaustralia.com.au/>



Department of Agriculture, Fisheries and Forestry

<http://www.daff.gov.au/>



Department of Agriculture and Food, Western Australia

<http://www.agric.wa.gov.au/>

2. Species Information

2.1. Details

Specimen Contact: Robin Wilson - discoverycentre@museum.vic.gov.au

Author: Wilson, R. & Dane, E.

Citation: Wilson, R. & Dane, E. (2008) Spionid worm (*Boccardia knoxi*) Updated on 4/12/2011 Available online: PaDIL - <http://www.padil.gov.au>

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2.2. URL

Live link: <http://www.padil.gov.au:80/pests-and-diseases/Pest/Main/136537>

2.3. Facets

Status: Australian Native Species

Group: Marine

Commodity Overview: Marine

Commodity Type: Marine

Distribution: Australasian - Oceanian

2.4. Other Names

Paraboccardia knoxi Rainer, 1973

2.5. Diagnostic Notes

Prostomium tip bifurcation absent, or weakly notched. Occipital antenna absent. Caruncle extends to anterior chaetiger 4; separate mid-dorsal organ absent. Colouration: Eyes present, one pair. Dorsal pigmentation pattern absent. Palp banding absent. White mid-body or posterior dorsal pigmentation absent. Other colouration includes weak white pigmentation on pygidium, traces of dusky brown pigment intersegmentally in ventral midbody, and light-reflecting surface granules on posterior dorsal surface. Branchiae, chaetae, and pygidium: Branchiae adjoining parapodia 2-4, then 6 and following; longest branchiae on chaetiger 10 or later; near body end branchiae absent. Anterior gut gizzard-like structure absent. Hooded hooks begin chaetiger 8; bifid, hook shaft constriction (manubrium) absent, anterior hooded hook main fang more or less oriented at right angles to the shaft with wide angle to apical tooth. Alternating capillaries adjacent hooded hooks absent; neurochaetal inferior chaetae below hooded hooks absent. Chaetiger one notochaetae present; notopodial lobe present. Chaetae of chaetiger 5 'upper' (or 'posterior') row falcate without ornamentation, 'lower' (or 'anterior') row are cupped (sub-terminal complete flange), with central point (flange incomplete). Superior notochaetae of chaetiger 5 absent. Inferior neurochaetae of chaetiger 5 present. Posterior notochaetal spines absent. Pygidium pad shaped. Pygidium small, not extending wider than last chaetigers. [following Read, 2004}

2.6. References

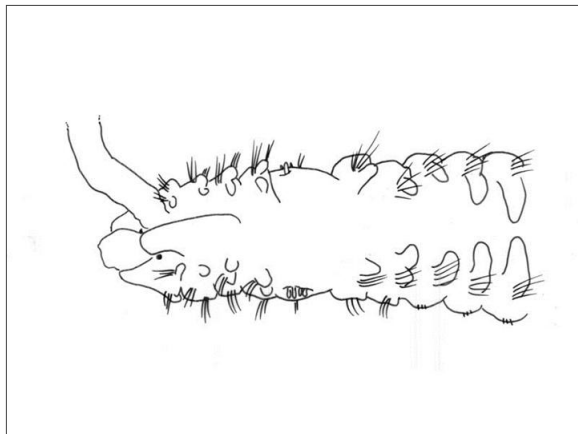
Rainer, S. F. (1973) Polydora and related genera (Polychaeta: Spionidae) from Otago waters. Journal the Royal Society of New Zealand, 3, 545-564. Read, G. B. (1975) Systematics and biology of polydroid species (Polychaeta: Spionidae) from Wellington Harbour. Journal the Royal Society of New Zealand, 5, 395-419.

2.7. Web Links

Boccardia knoxi PDF: http://researchdata.museum.vic.gov.au/padil/pdfs/Boccardia_knox.pdf

Shell worm Boccardia knoxi: <http://www.annelida.net/nz/Polychaeta/Family/Spionidae/boccardia-knox.htm>

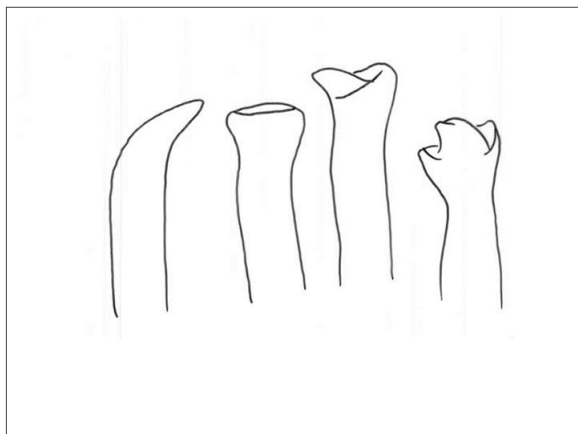
3. Diagnostic Images



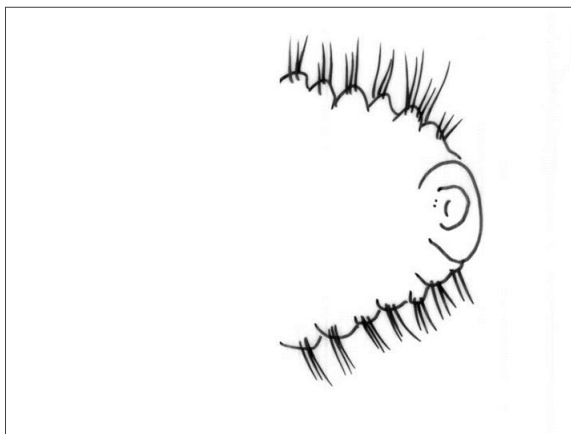
Boccardia knox anterior segments, redrawn from Figure 4A of Rainer, S. F. (1973) Polydora and related genera (Polychaeta: Spionidae) from Otago waters. Journal the Royal Society of New Zealand, 3, 545-564
Anterior end: Robin Wilson (artist) Museum Victoria



General body form of Boccardia knox
Body form: Dr G. Read NIWA Wellington, NZ



Boccardia knox modified chaetae, redrawn from Figure 4E-H of Rainer, S. F. (1973) Polydora and related genera (Polychaeta: Spionidae) from Otago waters. Journal the Royal Society of New Zealand, 3, 545-564
Modified chaetae: Robin Wilson (artist) Museum Victoria



Boccardia knox pygidium, redrawn from Figure 4C of Rainer, S. F. (1973) Polydora and related genera (Polychaeta: Spionidae) from Otago waters. Journal the Royal Society of New Zealand, 3, 545-564
Posterior end: Robin Wilson (artist) Museum Victoria

4. Other Images

Results Generated:

Sunday, January 19, 2020
