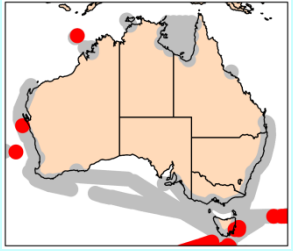
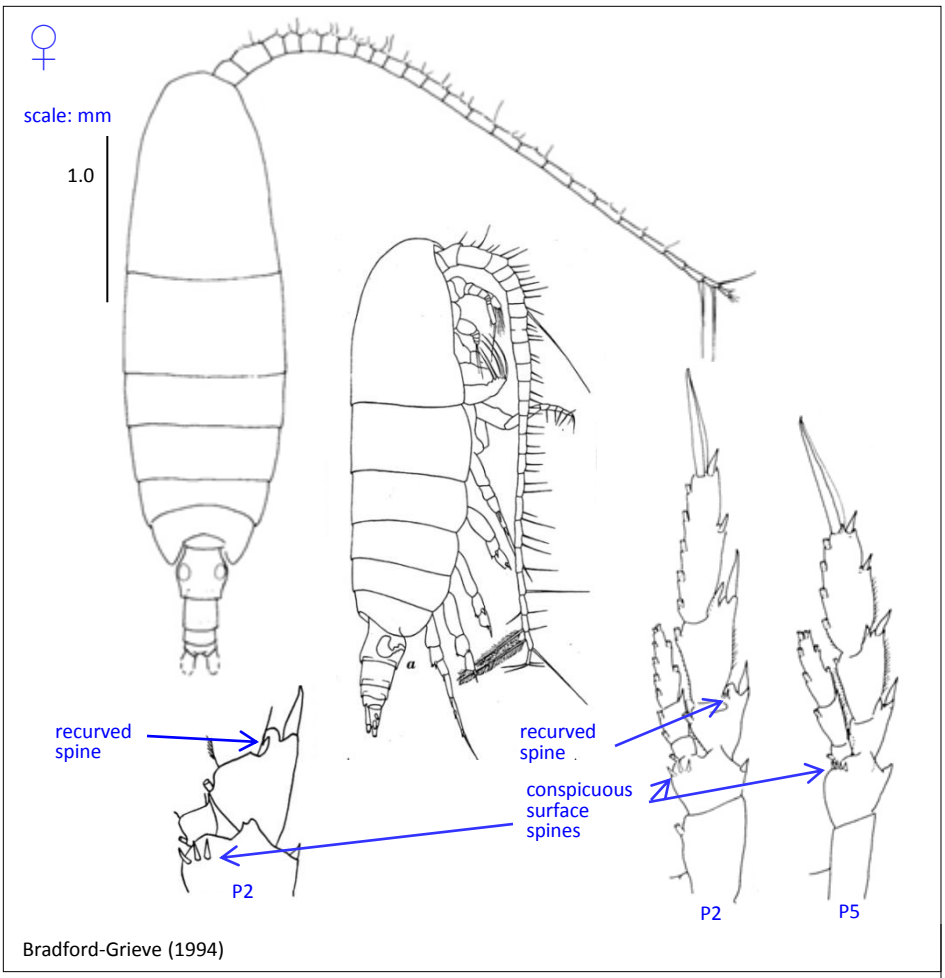
IMOS Integrated Marine Observing System

Neocalanus tonsus

(Brady, 1883)



Phylum	Arthropoda
Order	Calanoida
Family	Calanidae



Bradford-Grieve (1994)

Synonyms
Calanus tonsus Brady, 1883

Size
Female: 3.3-4.1 mm

Genus notes
- Cephalosome and pedigerous somite 1 usually fused in female, separate in male
- Swimming leg 2 in both sexes with a recurved spine at the outer distal border or exopodite segment 1
- Coxa of P5 inner border without serrations in both sexes
- Male leg 5 with both exopodite and endopodite 3-segmented; left leg modified, endopodite usually with 8 setae; right leg unmodified or with inner edge setae of exopodite absent

Female
- Cephalosome and pedigerous somite 1 separate but not as distinctly as joints between other pedigerous somites
- Basis of P1 without large spine at base of inner setae
- Basis of P2 to P5 with conspicuous posterior surface spines on inner distal border of segment
- Genital segment bulbous at mid length in dorsal view

Distribution
- Subantarctic and Antarctic (but not coastal Antarctic)
- Indian, Pacific and Atlantic
- Occasionally take north of Sub Tropical Convergence in deep water

Ecology
- Reproduction might occur at mesopelagic depths
- Fine particle feeder, probably omnivorous
- Ingests up to 3.8% of body carbon and 5.7% of nitrogen per day
- Can form surface aggregations up to several 100 metres in length
- Undertakes ontogenetic vertical migrations
- Eggs released into water column; produces up to 450 eggs per female
- Two egg production strategies: Mesopelagic-dwelling females use stored lipids for egg production in winter, and epipelagic dwelling females rely on ambient food supply for egg production in spring

Compiled: C. H. Davies & A. S. Slotwinski 2012
Verified: incomplete

CSIRO

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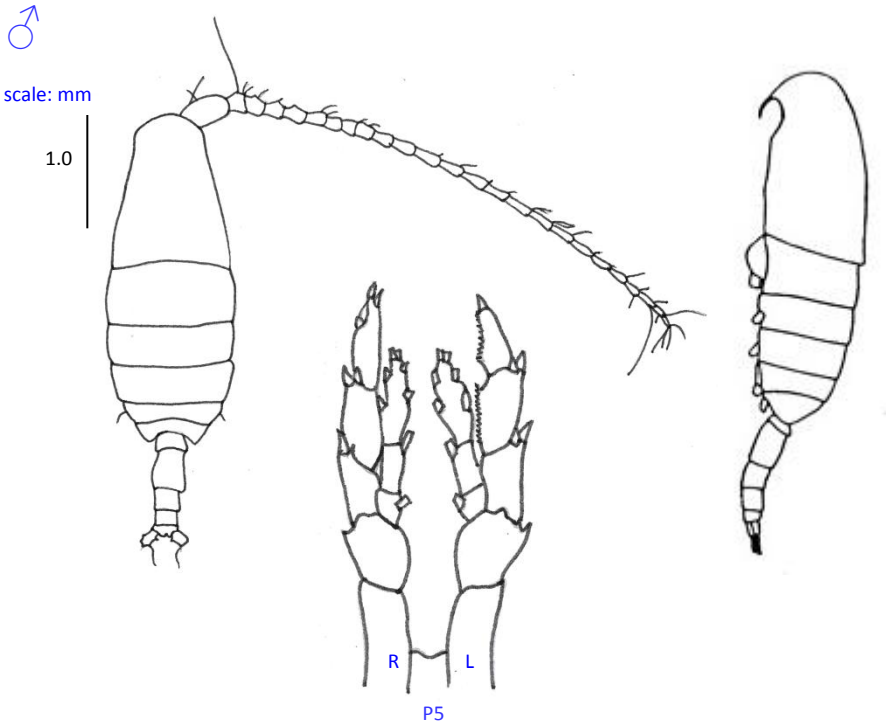

Brodsky (1967); Jillet (1968)

Size
Male: 3.3 – 4.4 mm

Male
- Cephalosome and pedigerous somite 1 separate
- 5th leg only slightly asymmetrical, exopods without inner edge setae

Source
Boxshall & Halsey (2004)
Bradford-Grieve & Markhaseva (1999)
Bradford-Grieve (1994)
Brodsky (1967)
Jillet (1968)
Kawamura (1974)
Ohman (1987)
Razouls et al. (2012)
Taw (1978)

Full reference available at
http://www.imas.utas.edu.au/zooplankton/references

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