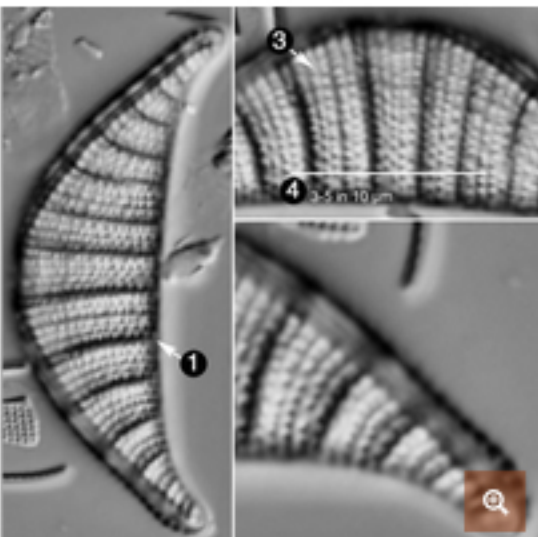


Rhopalodia musculus

(Kützing) O. Müller 1900



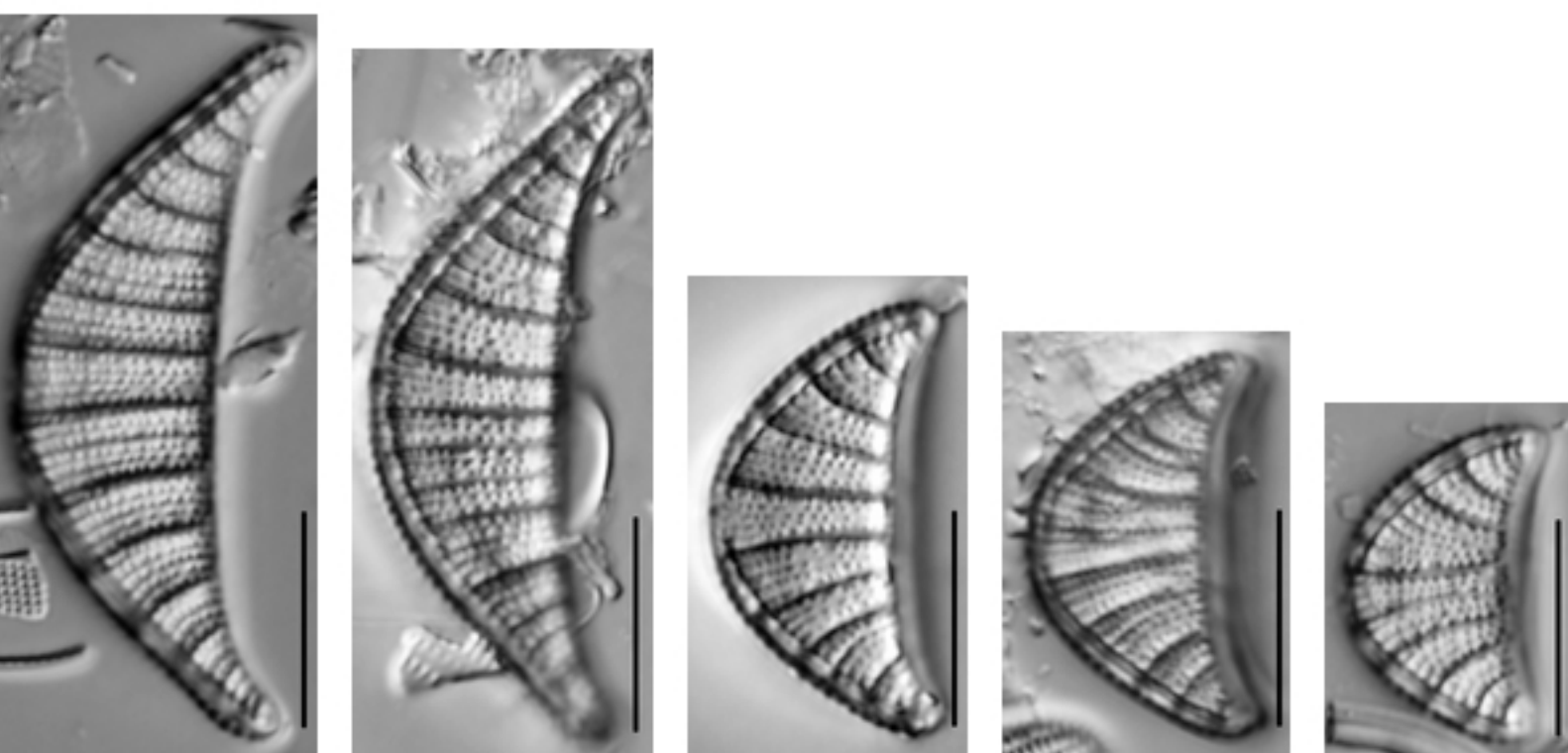
Category	Epithemioid
Length Range	12-60 µm
Width Range	10-16 µm
Striae in 10 µm	14-18
Contributor	Pat Kociolek - Mar 2011
Reviewer	Rex Lowe - Oct 2011

Synonyms
Cystopleura musculus (Kütz.) Kuntze 1891
Rhopalodia gibberula var. *musculus* (Kütz.) A.Cleve 1952

[Identification](#) [Autecology](#) [Original Description](#) [EMAP Assessment](#) [Citations & Links](#)

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Identification



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Description

Valves of this species are semi-elliptical, strongly convex along the dorsal margin, concave along the ventral margin, tapering to narrowly rounded ends. The raphe is located in the canal along the dorsal

margin. There are distinct costae along the valve face that number 3-5 in 10 µm. Striae are in rows of 2-4 between the costae.

Autecology

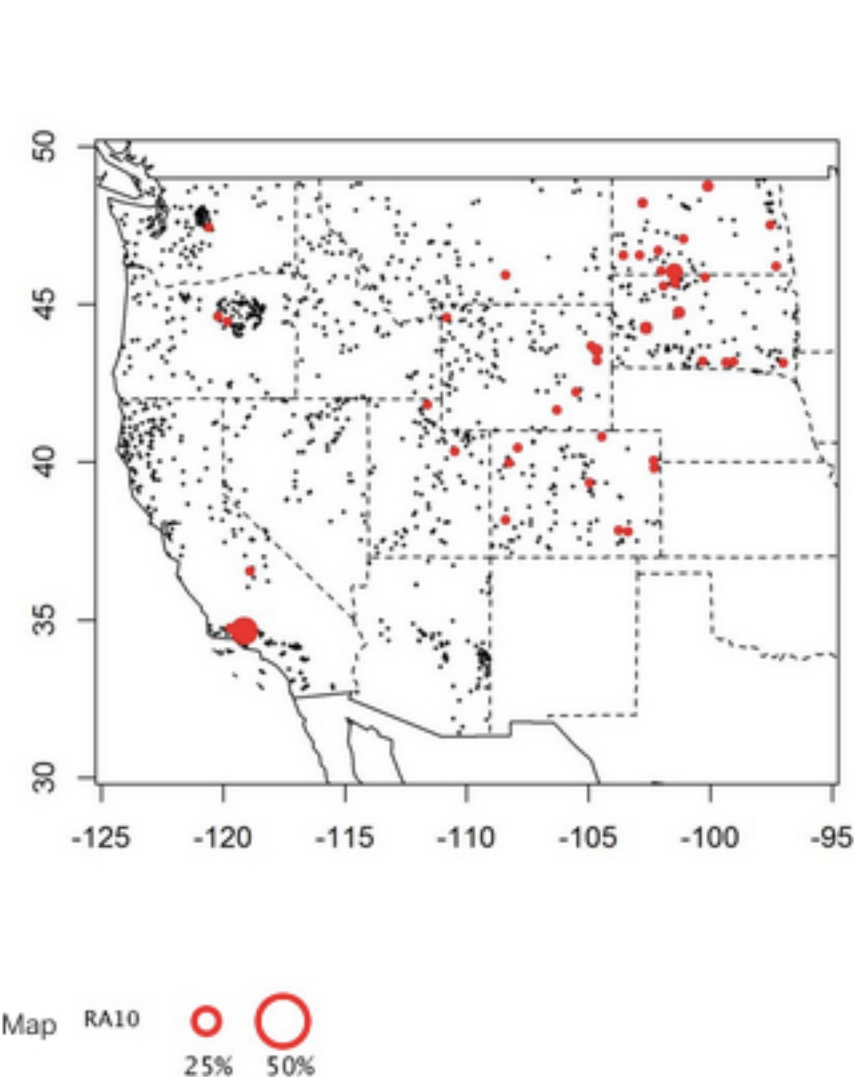
Size Range, µm ³	1001-10000
Motility	Moderately motile
Attachment	Prostrate
Habitat	Benthic
Colony	Solitary
Nitrogen Fixer	Yes
BCG	BCG 4
Distribution	Western EMAP California
Learn more about this >	

Original Description

Basionym	Epithemia musculus
Author	Kütz. 1844

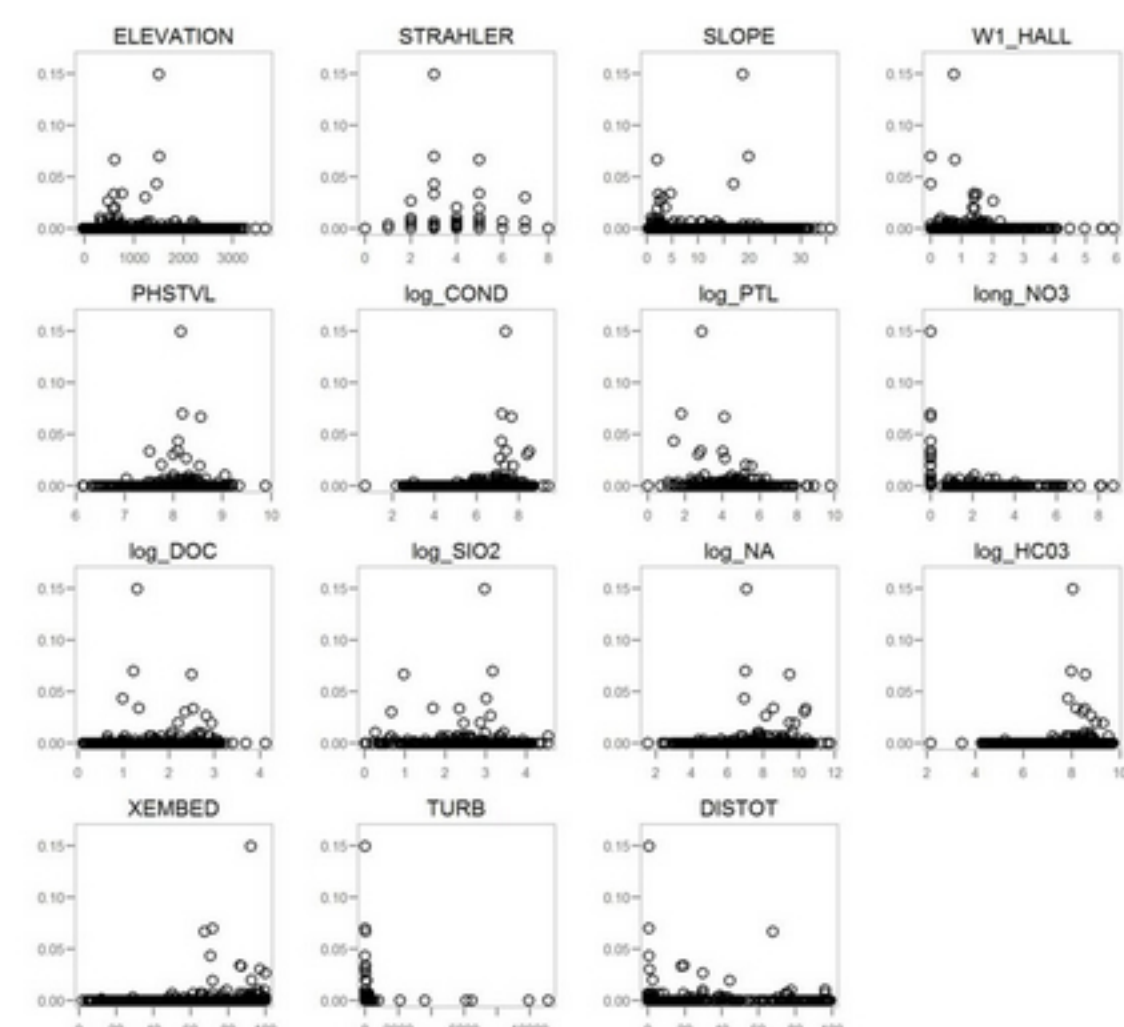
EMAP Assessment

EMAP Distribution



Response Plots

[Response Plot Key](#) >



Citations & Links

Links

Index Nominum Algarum
[Original](#)

CAS
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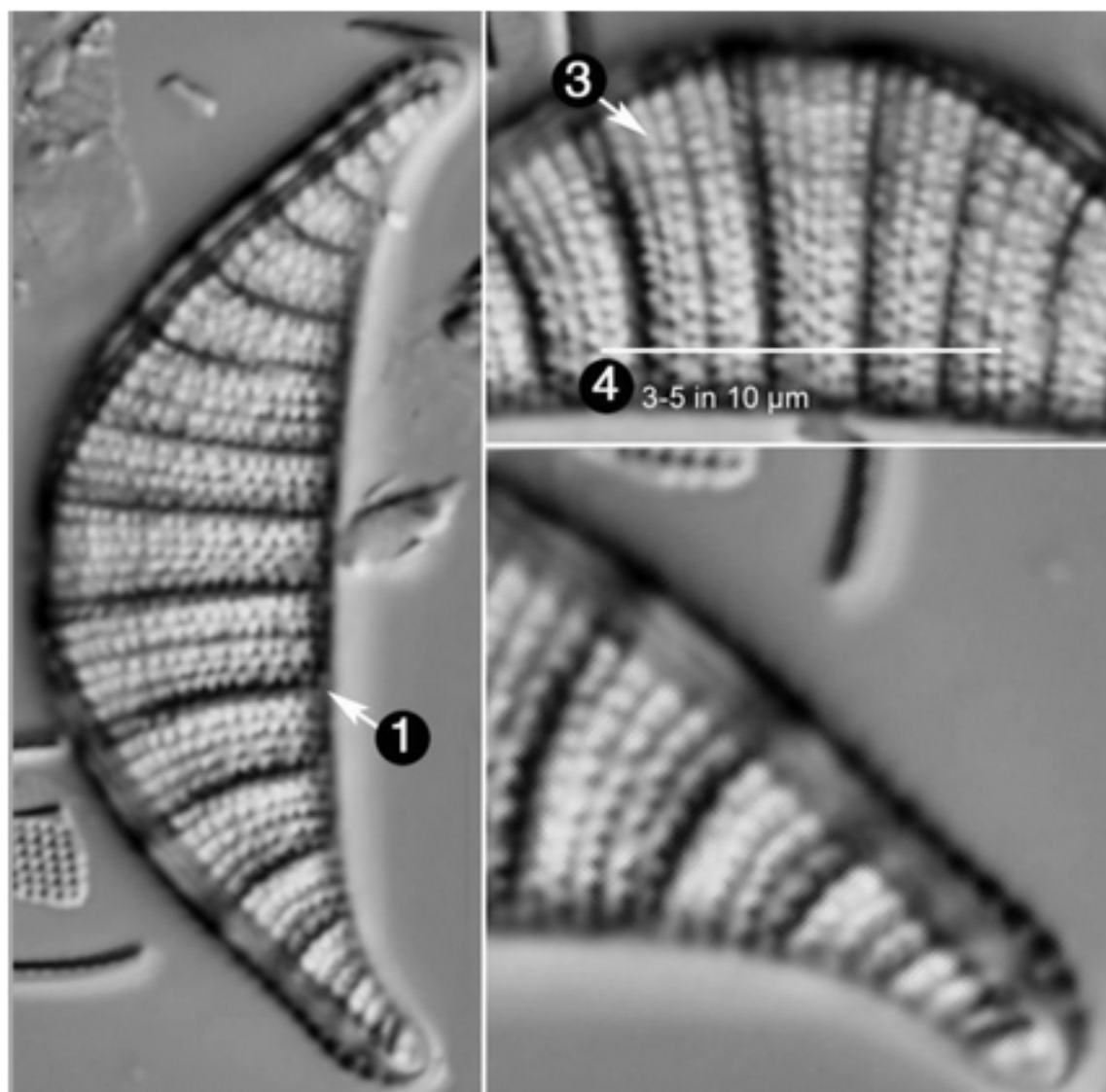
North American Diatom Ecological Database
NADED ID: 58006

Cite This Page

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Guide to *Rhopalodia musculus*

(Kützing) O. Müller 1900



Credit: Pat Kociolek

- 1 Ventral margin concave
- 2 Length 12-60 µm
- 3 Striae multiseriata
- 4 Costae 3-5 in 10 µm

Valves semi-elliptical, strongly convex along the dorsal margin, concave along the ventral margin, tapering to narrowly rounded ends. Costae distinct, numbering 3-5 in 10 µm. Striae are in rows of 2-4 between the costae.