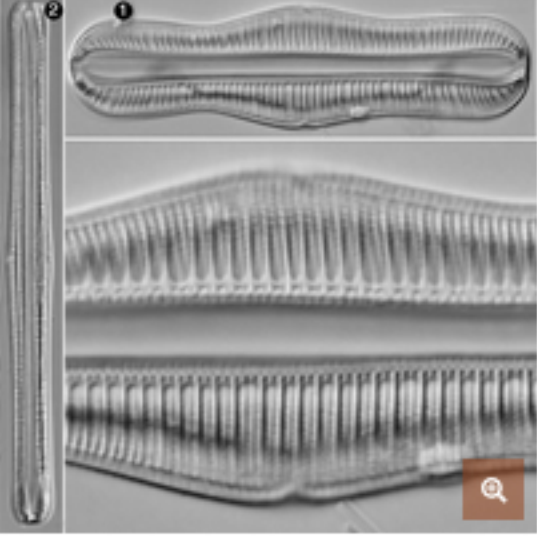


Rhopalodia gibba

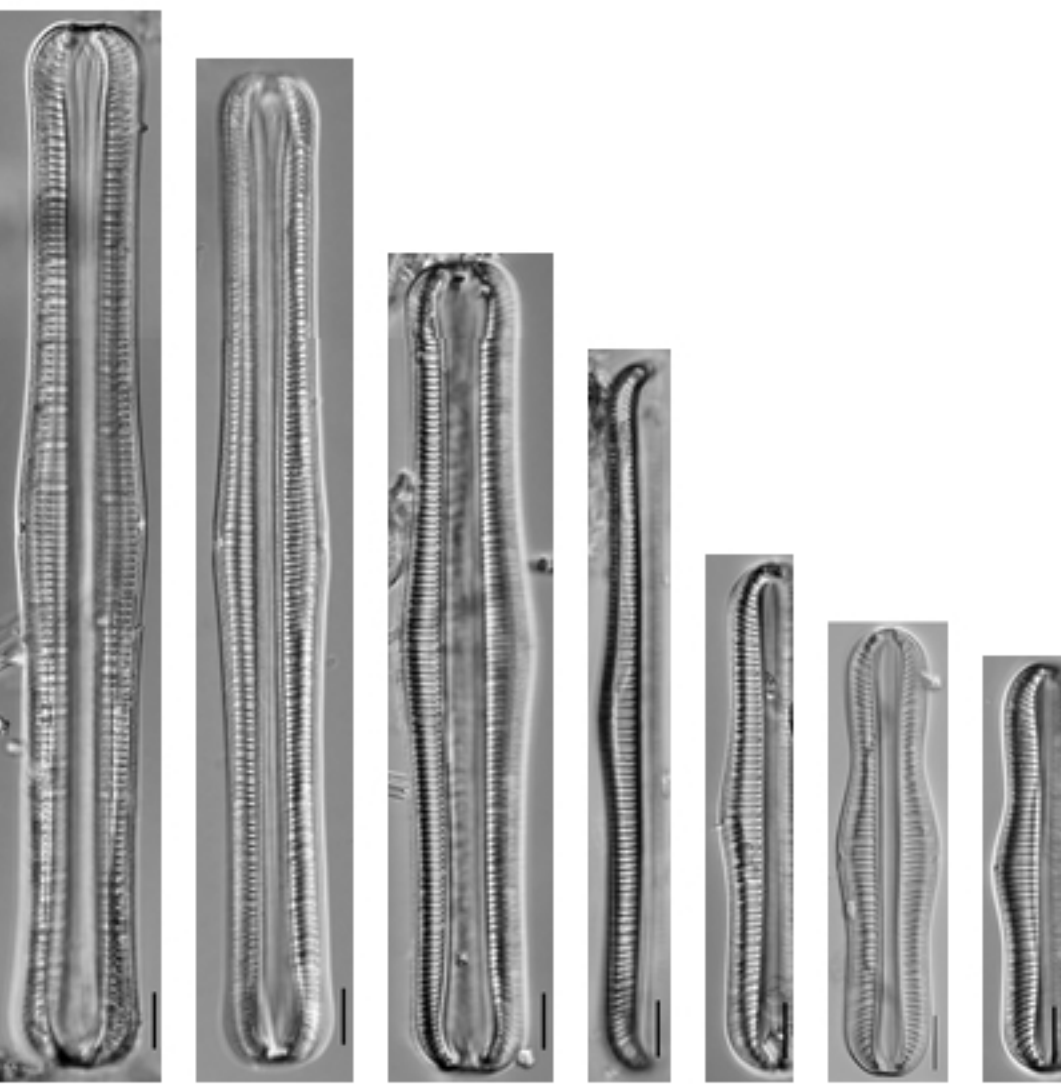
(Ehrenb.) O.Müll. 1895



Category	Epithemioid
Length Range	75-205 µm
Width Range	8-11 µm
Striae in 10 µm	12-16
Contributor	Pat Kociolek - Mar 2011
Reviewer	Rex Lowe - Oct 2011

- Identification
- Autecology
- Original Description
- EMAP Assessment
- Citations & Links

Identification



View image metadata

Description

Valves usually seen in girdle view. Valves are linear, with apices bent towards the ventral margin. The central valve is inflated, often with a visible "notch" on the dorsal margin. The raphe is positioned in a canal along the dorsal margin, and the proximal raphe ends and helictoglossae are not evident. Costae are prominent, and extend across the valve face. Between each costa are between 2 and 3 rows

of singly punctate striae. Costae number 5-8 in 10 µm.

This species is usually an epiphyte, but may also be found in the benthos. Both Patrick & Reimer (1966) and Krammer and Lange-Bertalot (1988) give dimensions of up to 300 µm in length.

Autecology

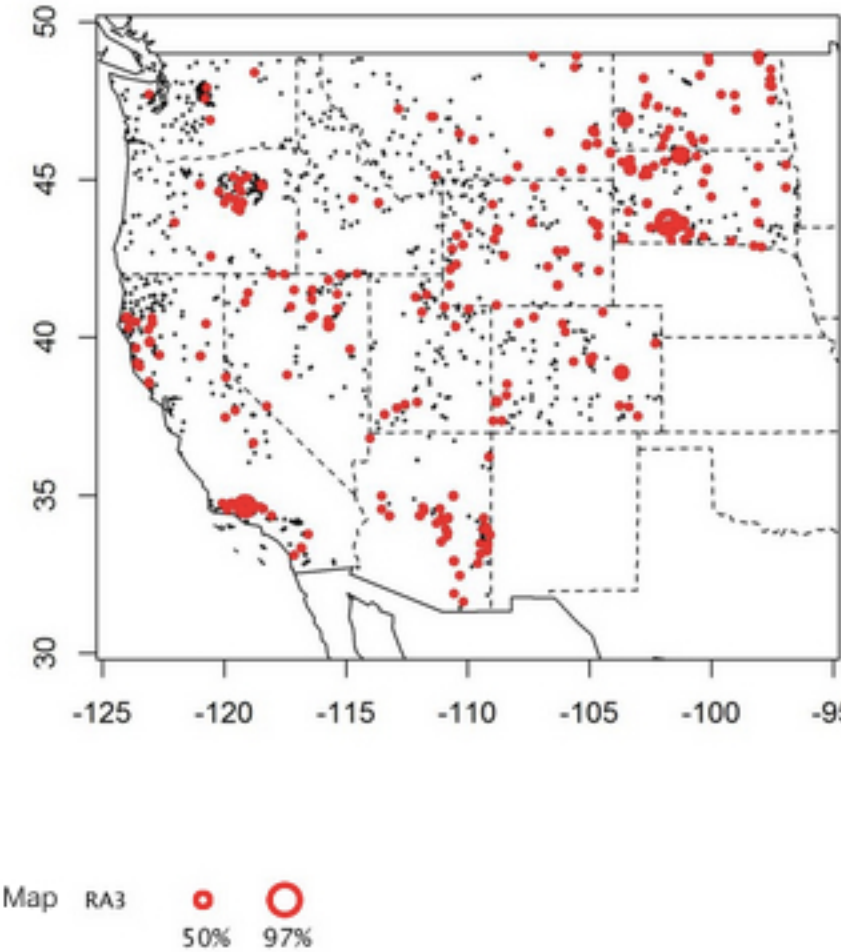
Size Range, µm3	1001-10000
Motility	Moderately motile
Attachment	Prostrate
Habitat	Benthic
Colony	Solitary
Nitrogen Fixer	Yes
BCG	BCG 2
Distribution	Western EMAP, California, Northeast Lake Sediments
Learn more about this >	

Original Description

Basionym	Navicula gibba
Author	Ehrenb. 1830

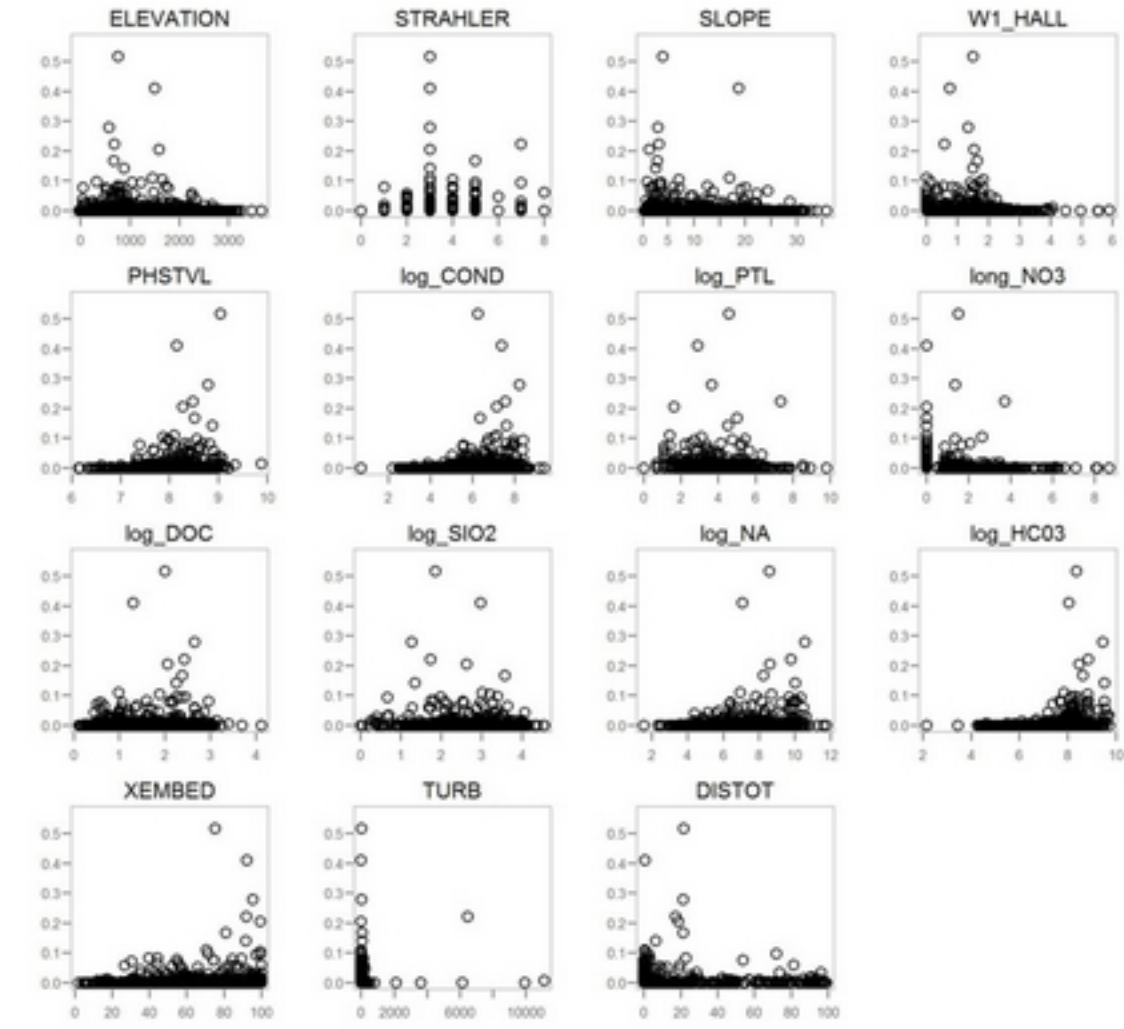
EMAP Assessment

EMAP Distribution



Response Plots

Response Plot Key >



Citations & Links

Citations

Krammer, K. and Lange-Bertalot, H. (1988) Bacillariophyceae. 2. Teil: Bacillariaceae, Epithemiaceae, Surirellaceae In: Ettl, H., J. Gerloff, H. Heynig and D. Mollenhauer (eds.) *Susswasserflora von Mitteleuropa, Band 2/2*. Gustav Fisher Verlag, Jena.

Patrick, R.M. and Reimer, C.W. (1975) The Diatoms of the United States, exclusive of Alaska and Hawaii, V. 2 *Monographs of the Academy of Natural Sciences of Philadelphia* 13

Links

Index Nominum Algarum

Original

CAS

Link

GenBank

Rhopalodia gibba NCBI

North American Diatom Ecological Database

NADED ID: 58001

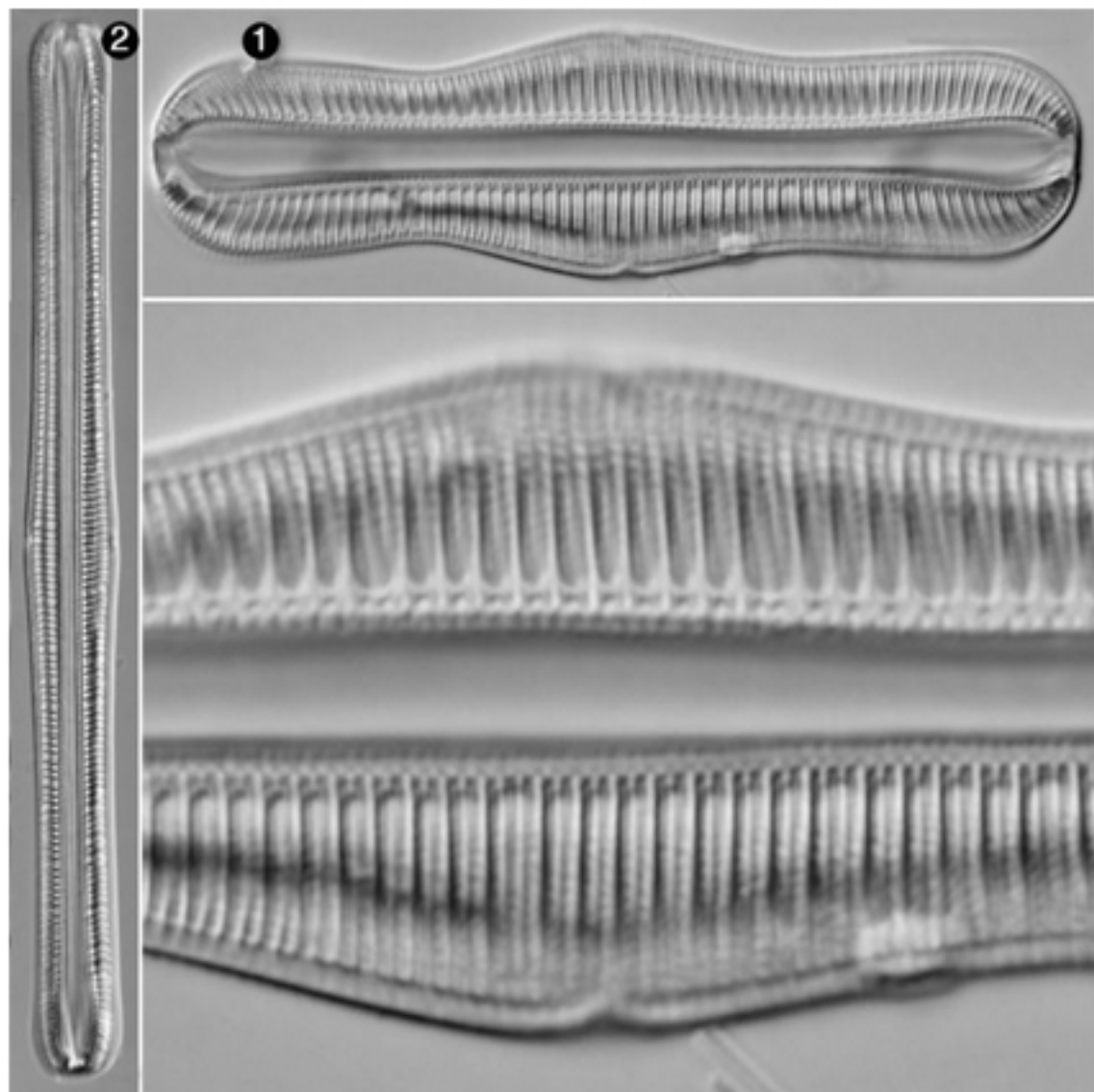
Cite This Page

Kociolek, P. (2011). Rhopalodia gibba. In *Diatoms of North America*. Retrieved May 14, 2020, from https://diatoms.org/species/rhopalodia_gibba

< RETURN TO OVERVIEW

Guide to *Rhopalodia gibba*

(Ehrenb.) O.Müll. 1895



Credit: Pat Kociolek

1 Valves linear

2 Valves large

Valves linear, with apices bent towards the ventral margin. The center is deflected slightly towards the dorsal margin and notched. The raphe is positioned in a canal. Costae are prominent, and extend across the valve face.