

Nitzschia inconspicua

Grunow 1862



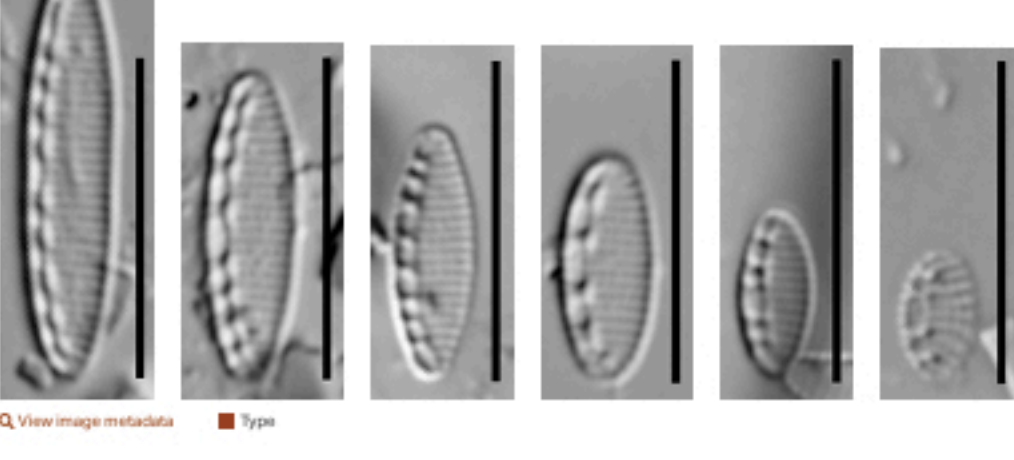
Category	Nitzschioid
Length Range	3-17 µm
Width Range	2.0-3.0 µm
Striae in 10 µm	20-25
Contributor	Pat Kociolek - Sep 2011
Reviewer	Marina Potapova - Oct 2011

Synonyms
Nitzschia frustulum var. *inconspicua* (Grunow) Grunow 1882
Homoeocladia inconspicua (Grunow) Kuntze 1898

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

Compare

Identification



Q View image metadata Type

Description

NOTE THAT THIS PAGE WILL BE UPDATED SOON TO NITZSCHIA SORATENSIS

Larger valves are linear, while smaller valves are elliptical. Apices are

rounded, but are not protracted or differentiated from the rest of the valve. Fibulae are large, with the middle fibula larger and more distinct than the others. Fibulae number 8-10 in 10 µm. Striae are parallel at the center of the valve, arched near the poles (evident especially in smaller cells).

Autecology

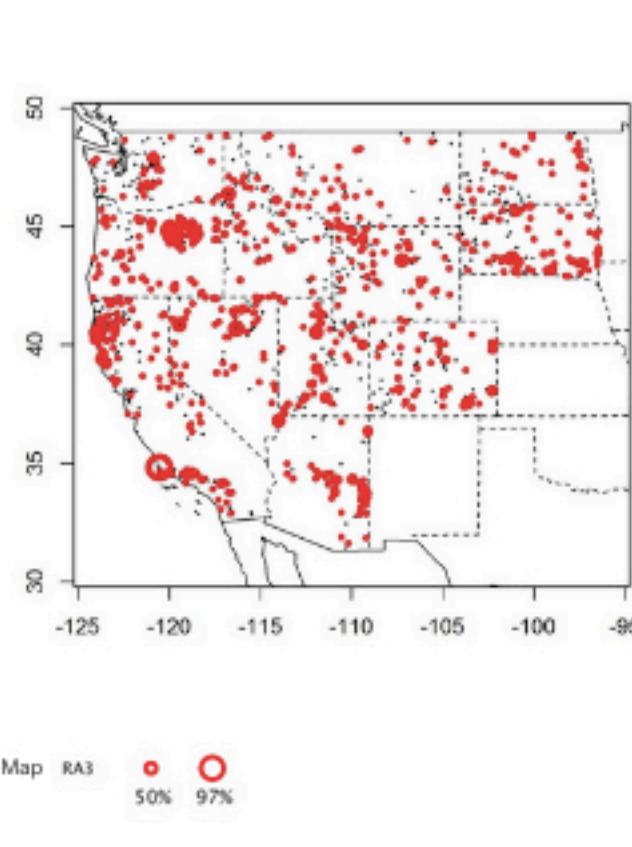
Size Range, µm3	11-100
Motility	Moderately motile
Attachment	Prostrate
Habitat	Benthic
BCG	BCG 4
Distribution	Western EMAP Southeast Survey California
Learn more about this >	

Original Description

Author Grunow 1862

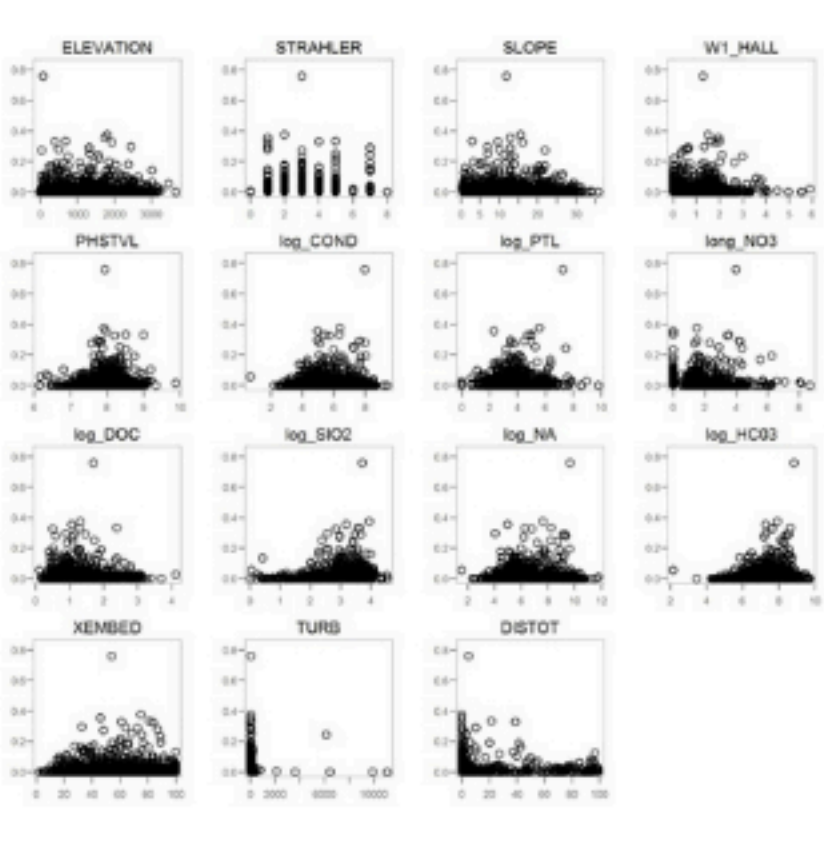
EMAP Assessment

EMAP Distribution



Response Plots

Response Plot Key >



Citations & Links

Citations

- Grunow, A. (1862) Die österreichischen Diatomaceen nebst Anschluss einiger neuen Arten von andern Lokalitäten und einer kritischen Uebersicht der bisher bekannten Gattungen und Arten. Erste Folge. Epithemieae, Meridoneae, Diatomeae, Entopyleae, Surirellaeae, Amphipleureae. Zweite Folge. Familie Nitzschieae Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien 12: 368, Pl. 7, fig. 8
- Kelly, M.G., Trobajo, R., Rovira, L. and Mann, D.G. (2014) Characterizing the niches of two very similar Nitzschia species and implications for ecological assessment Diatom Research
- Publication Link: 10.1080/0269249X.2014.951398
- Krammer, K. and Lange-Bertalot, H. (1988) Bacillariophyceae. 2. Teil: Bacillariaceae, Epithemieaceae, Surirellaceae In: Ettl, H., J. Gerloff, H. Heynig and D. Mollenhauer (eds.) Süßwasserflora von Mitteleuropa, Band 2/2. Gustav Fischer Verlag, Jena.
- Mann, D.G., Sato, S., Rovira, L. and Trobajo, R. (2013) Paedogamy and auxospore formation in Nitzschia sect. Lanceolatae (Bacillariophyta) Phycologia 52(2): 204-220
- Publication Link: 10.2216/12-077.1

Links

- Index Nominum Algarum
Original
- CAS
Link
- GenBank
Nitzschia inconspicua NCBI
- North American Diatom Ecological Database
NADED ID: 48122

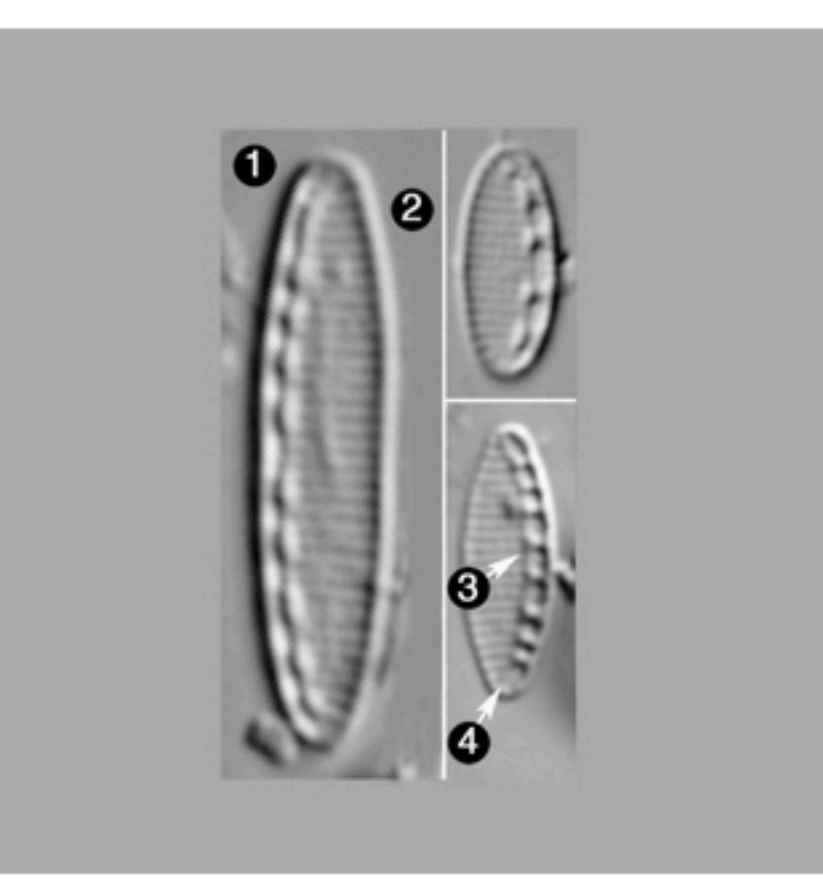
Cite This Page

Kociolek, P. (2011). Nitzschia inconspicua. In Diatoms of North America. Retrieved July 14, 2018, from https://diatoms.org/species/nitzschia_inconspicua

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Guide to Nitzschia inconspicua

Grunow 1862



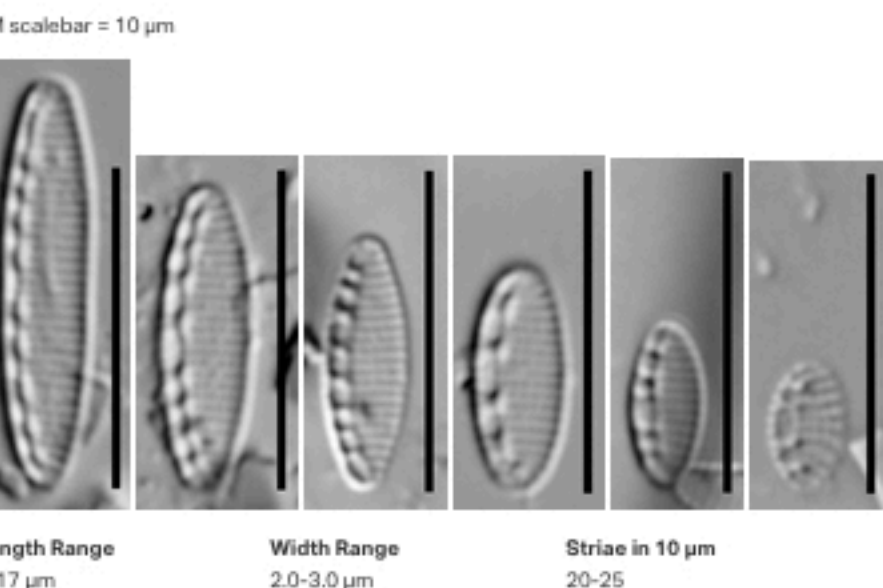
- 1 Valves small
- 2 Valves linear to elliptical
- 3 Fibulae relatively large
- 4 Striae arched near the poles

Valves are linear to elliptical. Fibulae are large, with the middle one larger and more distinct than the others. Striae are parallel at the center of the valve, but arched near the poles, especially in smaller valves.

Compare

This species name has sometimes been applied to specimens of *N. innominata*. These two very small species differ by the more elliptical valves, relatively more robust fibulae and arched striae at the apices of *N. inconspicua*.

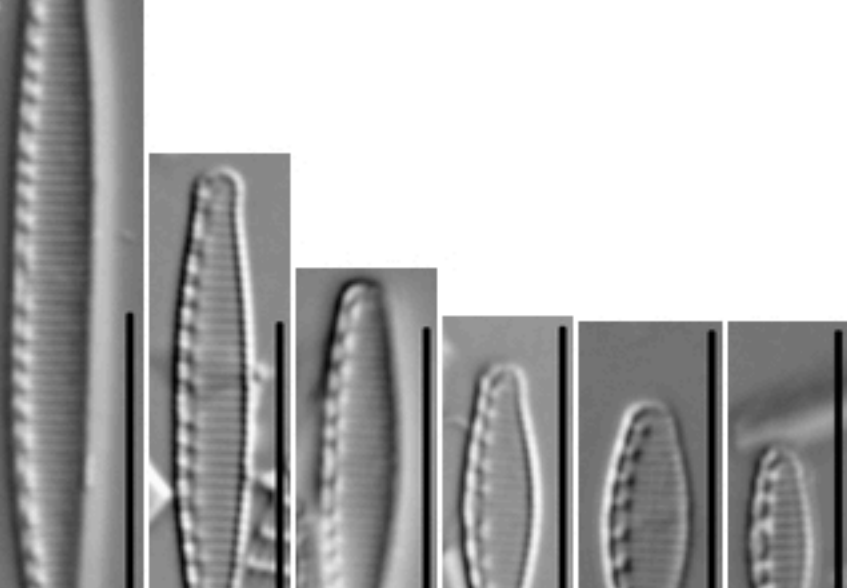
LM scalebar = 10 µm



Length Range 3-17 µm Width Range 2.0-3.0 µm Striae in 10 µm 20-25

Nitzschia innominata

Sovereign 1958



Length Range 6-14 µm Width Range 2-3 µm Striae in 10 µm 26-30