

Diatom Flora of the Low Countries

Navicula supergregaria H. Lange-Bertalot et U. Rumrich in U. Rumrich, H. Lange-Bertalot et M. Rumrich 2000.

Synonyms: *Navicula gottlandica* A. Grunow in H.F. van Heurck 1880 sensu F. Hustedt; *Navicula phyllepta* F.T. Kützing 1844 sensu C. Brockmann, sensu N.I. Hendey

Morphology

Valves lanceolate with more or less rostrate ends: usually subrostrate, strongly rostrate in smaller specimens, less obviously protracted in larger ones. Raphe filiform gently curving towards the distinctly structured central pores, which are curved to the primary side of the valve. Axial area (very) narrow. Central area moderately broad only very weakly asymmetric, almost rectangular. Striae subparallel to weakly radiate in the middle to the Voigt discordance and appearing undulate, rather abruptly convergent to the valve ends. Striae distinctly punctate, lineolae relatively coarse.

Morphometrics

Source	Length (µm)	Width (µm)	Striae (in 10 µm)	Areolae (in 10 µm)
Own data (n=2)	29.6-29.8	8.6-8.8	17	25
Lange-Bertalot 2001	28-48	7-8.5	13-15	24-27

Related species

N. gregaria Donkin (substantial shorter, width : 5-7,5 µm, end slightly subcapitate, lineolae less wide spaced 25-33 in 10 µm).

Distribution

Antwerpse Dokken (B), Gouderak Noord, Kwade hoek nabij baken Goedereede, Dordrecht oeverwal, Oudedijk Stellendam, Kuipersveer Oude Maas, Terschellingerpolder Liessluis, Goese Polder (NL).

Ecology

Brackish eutrophic waters.

Ecological values

Indicator values (Van Dam et al. 1994)

R	H	N	O	S	T	M
4	4				5	

IPS
(Cemagref 1982)

IPS-S	IPS-V
5	2

Rott et al. 1997, 1999

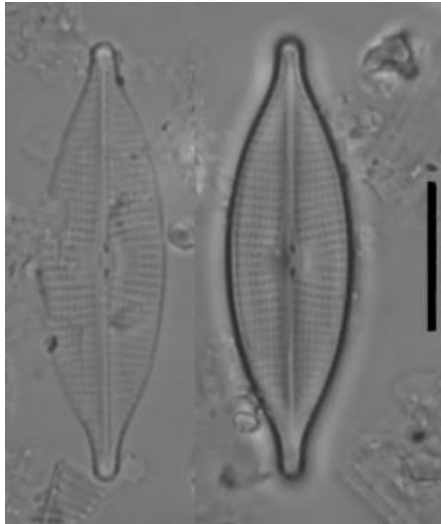
Rott SI s	Rott SI v	Rott TI s	Rott TI v
2.5	2		

TDI
(Kelly & Whitton 1995)

TI-S	TI-V

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Remarks



The Netherlands

References:

Lange-Bertalot, H. (2001) *Navicula* sensu stricto, 10 genera separated from *Navicula* sensu lato, *Frustulia*. Diatoms of Europe 2.

Rumrich, U., H. Lange-Bertalot & M. Rumrich (2000) Diatomeen der Anden (von Venezuela bis Patagonien/ Tierra del Fuego). Iconographia Diatomologica 9.

Citation:

Mertens A. (2023) *Navicula supergregaria*. In Diatom Flora of the Low Countries. NVKD. Retrieved from <http://www.nvkd-diatom.nl/species>