

Diatom Flora of the Low Countries

Navicula cryptotenelloides H. Lange-Bertalot 1993.

Morphology

Valves lanceolate with acutely rounded ends never protracted. Raphe filiform, central pores very delicate not deflected. Axial area very narrow, linear. Central area absent or very small. Striae more or less radiate, convergent towards ends. Areolae not resolvable.

Morphometrics

Source	Length (µm)	Width (µm)	Striae (in 10 µm)	Areolae (in 10 µm)
Own data (n=10)	12.8-20.4	3.9-4.5	15-18	
Lange-Bertalot 1993	9-18	3.7-4.2	16-18	
Lange-Bertalot 2001	9-18	3.7-4.2	16-18	

Related species

Navicula cryptotenella Lange-Bertalot (longer, broader 5-7 µm ; valve width remains typical for *N. cryptotenelloides*).

Distribution

Holotype location: Waginger Lake in Oberbayern (D). Smalle Eesterzanding herbarium materiaal, Put Nijebeets, Poederoijen afgedamde Maas, Lobith ponton, Eijsden Boven Maas, Belfeld Zandmaas, Stevensweert aanlegsteiger, Kreekrest Hollarepolder, Fort Veldhuis, Zandwinput Zwaan Kamerik, Keizersveer Bergsche Maas, Wiel Capelse Veer Durren, Grave beneden de sluis, Brabantse Biesbosch, Delfland, Sliedrechtse Biesbosch, Kuipersveer Oude Maas, Brielse Meer spuikanaal, Zuiderdiep (NL); Zuidlede, Albertkanaal, Kanaal Brussel-Schelde, Kanaal Dessel-Schoten, Lossing, Demer, Blankenbergse Vaart, Brakeleiken, Kanaal Bocholt-Herentals, Grote vijver Mechelen, Ortheemse kreek, Leie (B).

Ecology

Occurs in meso- to eutrophic, chalk rich lakes, rivers and streams.

Ecological values

Indicator values (Van Dam et al. 1994)

R	H	N	O	S	T	M
4	2	2	2	2	7	

IPS
(Cemagref 1982)

IPS-S	IPS-V
3.5	1

Rott et al. 1997, 1999

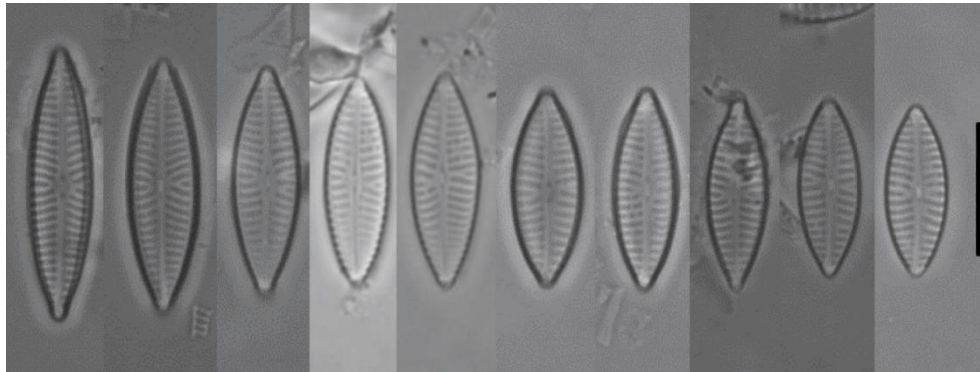
Rott SI s	Rott SI v	Rott TI s	Rott TI v

TDI
(Kelly & Whitton 1995)

TI-S	TI-V
3	1

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Remarks



The Netherlands

References:

- Lange-Bertalot, H. (1993) 85 Neue Taxa. Bibliotheca Diatomologica, Band 27.
Lange-Bertalot, H. (2001): *Navicula* sensu stricto. Diatoms of Europe 2.
Lange-Bertalot, H., G. Hofmann, M. Werum & M. Cantonati (2017) Freshwater Benthic Diatoms of Central Europe.

Citation:

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