

Diatom Flora of the Low Countries

***Fallacia subhamulata* (A. Grunow in H.F. van Heurck) D.G. Mann in F.E. Round, R.M. Crawford et D.G. Mann 1990**

Synonym: *Navicula subhamulata* Grunow 1880

Morphology

Valve linear-elliptic, broadly rounded. Striae weakly radiate finely punctate or lineolate, denser close to the poles. Axial area narrowly linear or very broad, according to the focal plane. Central area absent. Raphe filiform straight to very weakly curved, hook-shaped endings, distinct central pores.

Morphometrics

Source	Length (µm)	Width (µm)	Striae (in 10 µm)	Areolae (in 10 µm)
Own data (n=5)	14.6-24	4.9-5.8	28-30	
Krammer & Lange-Bertalot 1997-2004	12-25	4-7	26-30	
Lange-Bertalot et al. 2017	12-25	4-7	26-30	

Related species

F. lenzii (Hustedt) Lange-Bertalot (narrower 3-5 µm , finely-spaced striae 32-40 in 10 µm); *F. helensis* (Schulz) Mann (striae widely spaced 21-26 in 10 µm, weakly undulate valve edges)

Distribution

Boezem Schie, Voedingskanaal nabij Spijkenisse, Watergang Merrevlietseweg Voorne, Gemaal door het Oudeland Oost-Tongeland, Gemaal De Bommelse Polders, Zuidvest Brielle, Binnenhaven Numansdorp, Hollandse IJssel Utrecht, Vilstersche waterleiding, Streitenvaart, Kampen, 's Graveland, Kortenhoeftse -en Ankeveense Plassen, Amsterdamse stadswateren, De Gors Boterbloem Purmerend, Rietkreek, Wielen Elshoutse Zeedijk, Wielen Haarsteeg, Wielen Orthen & Dieskant, Wiel Capelse Veer Durren, Rijswijkse Wiel a/d Maasdijk, Dieze bovenstrooms RWZI Den Bosch, 't Weerwater, Vaartplas, Bijsselse Beek, Lobith ponton, Foreldorado bron, Stevensweert aanlegsteiger (NL); Grote Nete, A-Beek, Klein Wilboerebeek, Moenebroekbeek, Mombeek, Demer, Voer Bertem (B).

Ecology

In alkaline, freshwater meso-eutrophic habitats with higher electrolyte content.

Ecological values

Indicator values (Van Dam et al. 1994)

R	H	N	O	S	T	M
3	2	1	1	2	4	3

IPS

(Cemagref 1982)

IPS-S	IPS-V
4	1

Rott et al. 1997, 1999

Rott SI s	Rott SI v	Rott TI s	Rott TI v
1.9	3	2.5	1

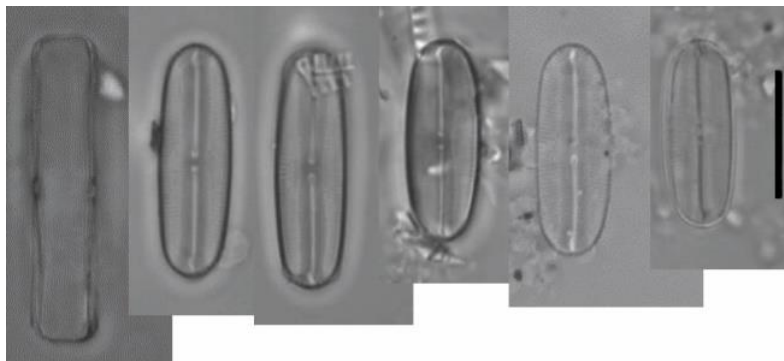
TDI

(Kelly & Whitton 1995)

TI-S	TI-V
4	1

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Remarks



The Netherlands

References:

Krammer, K. & H. Lange-Bertalot (1997-2004) Bacillariophyceae. Süßwasserflora von Mitteleuropa 2/1-4.

Lange-Bertalot, H., G. Hofmann, M. Werum & M. Cantonati (2017) Freshwater Benthic Diatoms of Central Europe.

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