

Diatom Flora of the Low Countries

***Fallacia lenzii* (F. Hustedt) H. Lange-Bertalot in M. Werum et H. Lange-Bertalot 2004**

Synonym: *Navicula lenzii* F. Hustedt 1936

Morphology

Valve linear with almost parallel or weakly convex margins, broadly rounded sometimes very weakly protracted. Striae parallel to weakly radiate appearing weakly or finely dotted or lined. Axial area very narrow. Central area not clearly developed. Raphe filiform very weakly curved with distinct closely spaced central pores.

Morphometrics

Source	Length (µm)	Width (µm)	Striae (in 10 µm)	Areolae (in 10 µm)
Own data (n=7)	8.6-12.9	3.7-4.4	28-36	
Krammer & Lange-Bertalot 1997-2004	8-17	3-5	32-40	
Lange-Bertalot et al. 2017	8-17	3-5	32-40	

Related species

F. subhamulata (A. Grunow in H.F. van Heurck) D.G. Mann (width 4-7 µm, striae 26-30 in 10 µm); *F. sublucidula* (F. Hustedt) D.G. Mann (smaller <10 µm, striae around 30);

Distribution

Spiegelplas, Wijde Blik Naardermeer, Stadswateren Amsterdam, Kromme Rijn Utrecht, Zuidvest Brielle, Hofweidebeek zijtak, Molenbeek Moorveld, Lobith ponton (NL), Munsterbeek, Voer Leuven (B).

Ecology

In alkaline, oligo-β-mesosaprobic running waters and lakes spanning a wide trophic gradient.

Ecological values

Indicator values (Van Dam et al. 1994)

R	H	N	O	S	T	M
4	2	0	1	2	7	0

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
1.1	4	1.2	2

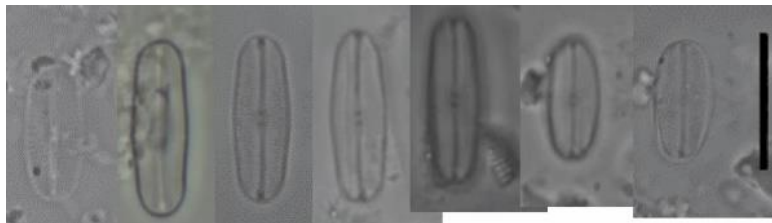
TDI

(Kelly & Whitton 1995)

TI-S	TI-V
4	1

Remarks

Navicula lenzii Hustedt 1950 nom illeg. Treated as a new name as *Navicula lenzii* was invalid when first published as an illustration in Schmidt et al. (1936: pl. 401, figs 90-92). Validated by Hustedt (1950: 349) by which time it was a later homonym of *Navicula lenzii* Krasske, 1939. *N. lenzii* Krasske 1939 is a syn. of *Craticula subminuscula* (Manguin) Wetzel, L. Ector, B. van de Vijver, P. Compère et D.G. Mann 2015.



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.

Citation:

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