

Diatom Flora of the Low Countries

Sellaphora utermoehlii (F. Hustedt) C.E. Wetzel et D.G. Mann 2015.

Basionym: *Navicula utermoehlii* Hust. 1942, Int. Rev. Gesamten Hydrobiol. Hydrogr., vol. 42, p. 62; ≡ *Navicula utermoehlii* Hust. in Schmidt et al. 1936, nomen nudum, pl. 404, figs 31, 32; ≡ *Eolimna utermoehlii* (Hust.) Lange–Bert., Kulikovskiy et Witkowski in Kulikovskiy et al. 2010, Diatom Res., vol. 25, p. 81.

Synonyms: *Eolimna utermoehlii* (Hust.) Lange–Bert., Kulikovskiy et Witkowski in Kulikovskiy et al. 2010; *Navicula subrotundata* Hustedt 1945; *Sellaphora subrotundata* (Hust.) C.E. Wetzel, Ector, Van de Vijver, Compère et D.G. Mann 2015.

Morphology

Valves broadly elliptical with convex margins. Apices broadly rounded, never protracted. Striae radiate throughout, denser near the apices. Axial area narrow, linear. Central area very small, irregular due to irregularly shortened striae.

Morphometrics

Source	Length (µm)	Width (µm)	Striae (in 10 µm)	Areolae (in 10 µm)
Own data (n=5)	6.2-8.9	3.6-4.9	26-30	
Krammer & Lange-Bertalot 1997-2004	7-13	4-6	21-36	
Lange-Bertalot et al. 2017	8-12	4.5-6.0	24-36	

Related species

Sellaphora chistiakovae (M.S. Kulikovskiy et H. Lange-Bertalot) C.E. Wetzel, L. Ector, B. van de Vijver, P. Compère et D.G. Mann (lower striae density 16-20, central area expanded, bow-tie shaped); *S. raederae* (H. Lange-Bertalot) C.E. Wetzel, L. Ector, B. van de Vijver, P. Compère et D.G. Mann (lower striae density 26-29, lower valve with 3,5-4.0); *Navicula mollicula* (ecology, brackish water).

Distribution

Beeldven, Kolkven, Tongerense Beek, Naardermeer, Hagestein boven sluis (NL).

Ecology

In lakes and slow running rivers, alkaline, meso-eutrophic and oligosaprobic conditions.

Ecological values

Indicator values (Van Dam et al. 1994)

R	H	N	O	S	T	M
4	2			1	4	

IPS
(Cemagref 1982)

IPS-S	IPS-V
2.3	1

Rott et al. 1997, 1999

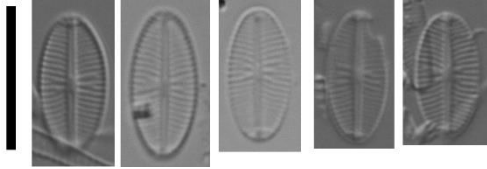
Rott SI s	Rott SI v	Rott TI s	Rott TI v
1.4	4	1.8	2

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. Gustav Fischer Verlag.
- Lange-Bertalot, H., G. Hofmann, M. Werum & M. Cantonati (2017) Freshwater Benthic Diatoms of Central Europe.
- Van de Vijver, B. & A. Mertens (2017) 8th NVKD taxonomic workshop, small-celled naviculoids part I. Additional notes. National Botanic Garden Belgium.
- Wetzel, C.E., L. Ector, B van de Vijver, P. Compère et D. Mann (2015) Morphology, typification and critical analysis of some ecologically important small naviculoid species (Bacillariophyta) Fottea Olomouc 15(2): 203-234

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