

Diatom Flora of the Low Countries

Nitzschia pumila F. Hustedt 1954.

Morphology

Valve narrowly lanceolate with long protracted weakly capitate ends. Fibulae very small, central equidistantly spaced. Striae not resolvable in LM.

Morphometrics

Source	Length (µm)	Width (µm)	Striae (in 10 µm)	Fibulae (in 10 µm)
Own data (n=2)	40.5-40.7	2.5-2.6		19-20
Krammer, K. & H. Lange-Bertalot 1997-2004	30-37	2.5-3	>40	14-18

Related species

Nitzschia archibaldii Lange-Bertalot (narrowly lanceolate tapering towards acutely rounded weakly capitate ends); *Nitzschia paleacea* (Grunow) Grunow (possession of a central nodule: fibulae are not equidistantly spaced in the middle); *Nitzschia gracilis* Hantzsch (longer and broader, ends tapering to subcapitate or abruptly drawn out and rostrate).

Distribution

Oostvaardersplassen, Eendentocht, herbarium materiaal Smalle Eesterzanding, Kloostergracht Utrecht, Bleekloop, Lorregraaf, Brabantse Biesbosch, Watergang oude Stadse Zeedijk Haringvliet, Watergang Smitsweg (NL).

Ecology

Eutrophic waters with an average to higher electrolyte content.

Ecological values

Indicator values (Van Dam et al. 1994)

R	H	N	O	S	T	M
	3				5	

IPS
(Cemagref 1982)

IPS-S	IPS-V
5	1

Rott et al. 1997, 1999

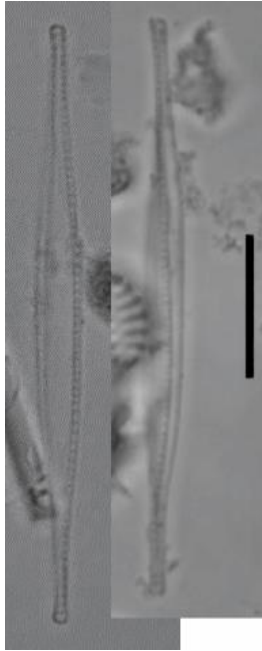
Rott SI s	Rott SI v	Rott TI s	Rott TI v

TDI
(Kelly & Whitton 1995)

TI-S	TI-V
3	1

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Remarks



The Netherlands

References:

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

Citation:

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