

Diatom Flora of the Low Countries

Tryblionella angustatula (H. Lange-Bertalot) M. Cantonati et H. Lange Bertalot in W.-H. Kusber, M. Cantonati et H. Lange-Bertalot 2017.

Basionym: *Nitzschia angustatula* Lange-Bertalot 1987.

Synonyms: *Nitzschia vexans* (Grunow) Grunow sensu auct. nonnull excl. lectotypus.

Morphology

Valves lanceolate to linear-lanceolate. Ends mostly weakly rostrate, acutely rounded. Stria and fibulae density are the same, regularly spaced. Striae punctation not recognizable.

Morphometrics

Source	Length (µm)	Width (µm)	Striae (in 10 µm)	Fibulae (in 10 µm)
Own data (n=5)	15-31	4-4.3	16-19	
Lange-Bertalot et al. 2017	13-24	4	16-20	16-20

Related species

Nitzschia plioveterana Lange-B. (length 12-13.5 µm, striae finely punctuated);
Nitzschia siliqua Archibald (valve linear-rectangular and capitate ends); *Nitzschia vexans* (Grun.) Grun. (Valve linear-elliptic with rostrate ends, striae punctate).

Distribution

Gouderak Noord, Kuipersveer Oude Maas, Vecht, Hollandse IJssel, Amsterdam en het Naardermeer, Delfland, Hollandse IJssel (NL); Nieuwe Kale, Albertkanaal, Gentse Binnenwateren, Ringvaart (B).

Ecology

Mainly in large rivers, streams and lakes. Meso- to eutrophic conditions.

Ecological values

Indicator values (Van Dam et al. 1994)

R	H	N	O	S	T	M
4	3				5	1

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	4	2.6	2

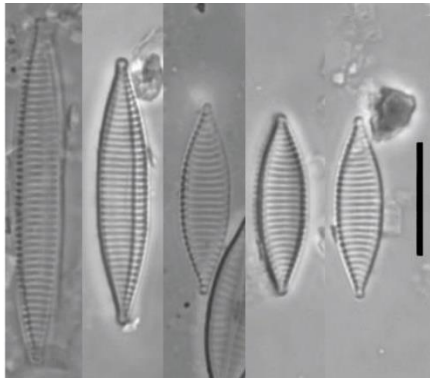
TDI
(Kelly & Whitton 1995)

TI-S	TI-V
4	1

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Remarks

Nitzschia lanceola var. *minutula* Grun. is *N. plioveterana* Lange-B. in Witkowski et al. 2000. It is unclear if this species is conspecific with *T. angustatula*. It is unclear where *N. angustata* var. *minuta* Krasske belongs to.



The Netherlands

References:

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

Witkowski, A., H. Lange-Bertalot & D. Metzeltin (2000) Diatom Flora of Marine Coasts 1. Iconographia Diatomologica 7.

Citation:

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