

# Diatom Flora of the Low Countries

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## ***Fragilaria longifusiformis* subsp. *eurofusiformis* H. Lange-Bertalot et S. Ulrich 2014**

### **Morphology**

Valves spindle-shaped with long-produced ends. Central part extended to more than a 1/4 up to more 1/3 of the valve length. Apices slightly subcapitate. Axial- and central area and likewise the striae are barely to discern.

### **Morphometrics**

Source	Length (µm)	Width (µm)	Striae (in 10 µm)	Areolae (in 10 µm)
Own data (n=3)	96-139	3.0-3.4	30	
Lange-Bertalot, H. et S. Ulrich 2014	70-120	3-4	29-30 up to 33 ends	

### **Related species**

*Fragilaria longifusiformis* (J.J. Hains et M.M. Sebring) P.A. Siver, E.A. Morales, B. van de Vijver, M. Smits, P.B. Hamilton, H. Lange-Bertalot et J.J. Hains 2006 (central inflated part with 2-3.5 µm and extended 1/7-1/6 of the valve length, striae short, consisting of 1-3 areolae); *Nitzschia acicularis* (Kützing) W. Smith (ends less long, central part extended 1/2 or more of the valve length, fibulae).

### **Distribution**

Elbe Saxony (D); Kleine Hoofdgracht; Aa (B); Kuipersveer Oude Maas (NL).

### **Ecology**

Planktonic solitary or bunch-like colonies, (hyper)eutroof moderately running waters.

### **Ecological values**

Indicator values (Van Dam et al. 1994)

R	H	N	O	S	T	M
3	2				6	1

IPS  
(Cemagref 1982)

IPS-S	IPS-V

Rott et al. 1997, 1999

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

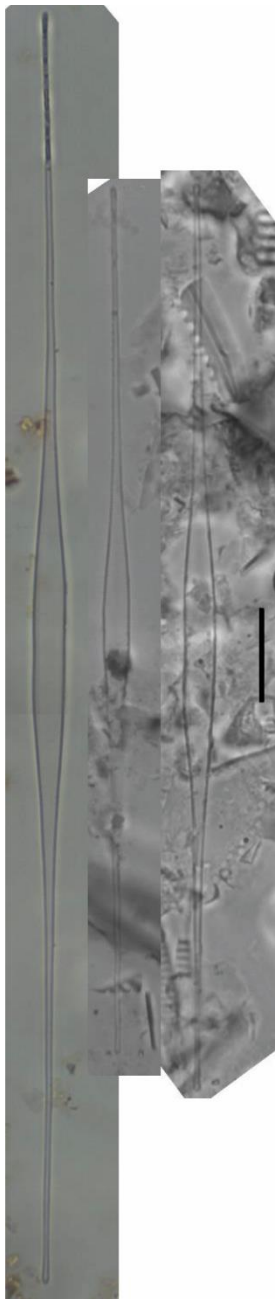
TDI  
(Kelly & Whitton 1995)

TI-S	TI-V

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**Remarks**



The Netherlands

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*Fragilaria longifusiformis* subsp. *euofusiformis*

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## **References:**

Lange-Bertalot, H. et S. Ulrich (2014) Contributions to the taxonomy of needle-shaped *Fragilaria* and *Ulnaria* species. *Lauterbornia* 78:1-73, D-86424 Dinkelscherben.

## **Citation:**

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