

# Diatom Flora of the Low Countries

## *Surirella neglecta* E. Reichardt 2012.

### **Morphology**

Valve heteropolar oval-elliptic, headpole obtusely rounded, footpole narrowly rounded or wedge shaped. Axial area indistinctly recognizable because of the delicate striae, very tight linear or a bit irregularly wavy. The fibulae or pseudofundibulae are not continuous to the median line. Striae very weakly.

### **Morphometrics**

Source	Length (µm)	Width (µm)	Striae (in 10 µm)	Fibulae (in 10 µm)
Own data (n=3)	23-26.7	11-12	28-30	6.5-7
Reichardt 2012	19-28	10-11	28-30	7.5-9

### **Related species**

*Surirella brebissonii* var. *kuetzingii* Krammer & Lange-B. (less fibulae 3.5-6 and less striae 17-19); *S. lacrimula* English (opening of the raphe canal to the inside of the valve is designed differently, but probably are these to taxa the same).

### **Distribution**

Blankenbergse vaart en Noordede, Kimmelbeek, Stampkotbeek (B); Zwarte Haan, Altjeltil, Jaarlasloot Wetzemertille, Hallumertrekvaart Vijfhuizen, Gouderak Noord, Poederrijen Afgedamde Maas, Lobith ponton, Sliedrechtse -en Brabantse Biesbosch, Kampen (NL).

### **Ecology**

In slow running waters and lakes, eutrophic.

### **Ecological values**

Indicator values (Van Dam et al. 1994)

R	H	N	O	S	T	M
4	2				5	

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)

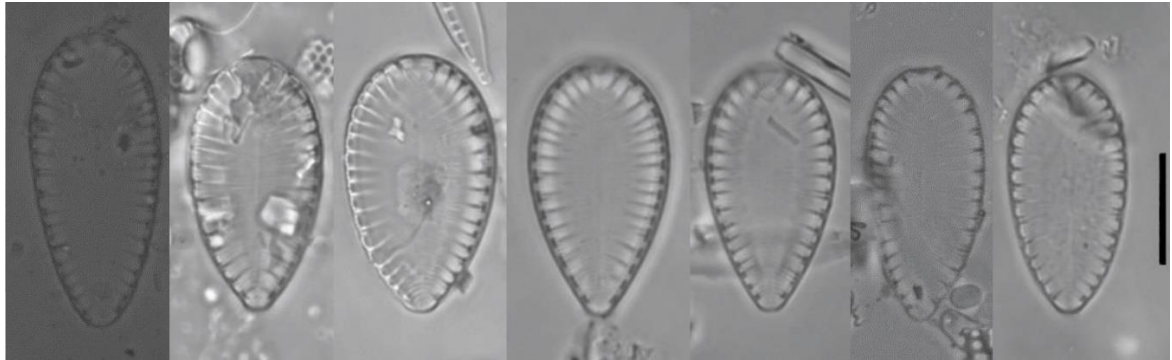
TI-S	TI-V

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### Remarks

Not yet clear if *S. neglecta* is conspecific with *S. lacrimula*. The last one has priority.



The Netherlands

### References:

- English, J.D. et M.G. (2012) Ontogenetic and interspecific valve shape variation in the Pinnatae group of the genus *Surirella* and the description of *S. lacrimula* sp. nov. *Diatom Research* 27:9-27
- Reichardt, E. (2012) Neue Diatomeen (Bacillariophyceae) aus dem Gebiet der Stadt Treuchtlingen. *Berichte der Bayerischen Botanischen Gesellschaft* 82: 19-32.
- Reichardt, E. (2018) Die Diatomeen im Gebiet der Stadt Treuchtlingen. Band 1 & 2. Bayerische Botanische Gesellschaft Munchen.

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