

# Diatom Flora of the Low Countries

## ***Navicula microrhombus* (Cholnoky) Schoeman & Archibald 1977**

Basionym : *Fragilaria microrhombus* Cholnoky 1970

Synonyms : (?) *Achnanthes cognita* Archibald 1971; (?) *Navicula adamantiformis* Archibald 1966

### **Morphology**

Valves broadly rhombic with very convex margins. Apices acutely rounded, never protracted. Striae uniseriate, radiate throughout, more towards the apices, clearly punctate. Axial area very narrow, linear. Raphe usually very short, not always visible!!! Central area absent

### **Morphometrics**

Source	Length (µm)	Width (µm)	Striae (in 10 µm)	Areolae (in 10 µm)
Own data (n=13)	5.4-6.0	4.1-4.6	20-26	
Ector et al. (2015)	6.0-7.0	4.4-5.0	22-30	
Schoeman & Archibald (1976)	6.0-7.0	4.4-5.0	22-30	
Taylor et al. (2007)	6.0-7.0	4.4-5.0	22.30	

### **Related species**

*Pseudostaurosira trainorii* Morales (Different valve outline: roundish, no raphe)

### **Distribution**

Winterbeek Belgium, Acheneau France, Fishponds South Africa.

### **Ecology**

Probably in polluted, alkaline water bodies, elevated electrolyte content.

### **Ecological values**

Indicator values (van Dam et al. 1994)

R	H	N	O	S	T	M
	2					

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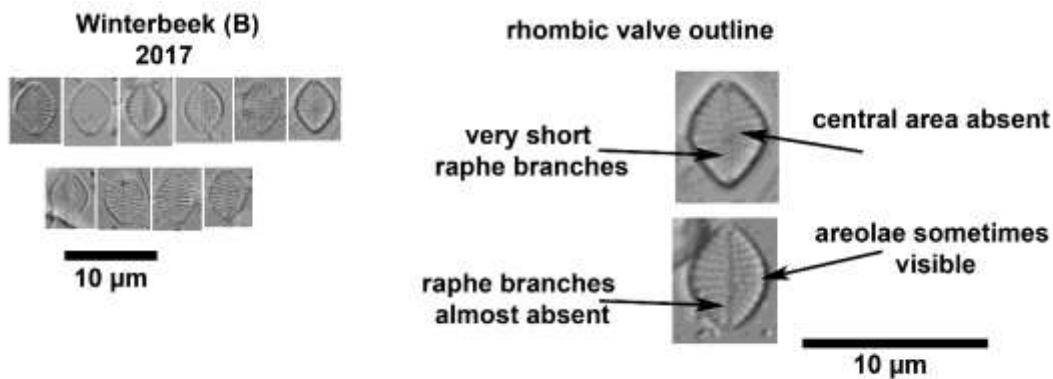
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### Remarks



### References:

- Ector L., C.E. Wetzel, M.H. Novais & D. Guillard (2015) Atlas des diatomées des rivières des Pays de la Loire et de la Bretagne [Atlas of freshwater diatoms from rivers of Loire and Brittany regions (France)]. DREAL Pays de la Loire, Nantes.
- Schoeman, F.R. & R.E.M. Archibald (1976) The Diatom Flora of South Africa.
- Taylor, J.C. et al. (2007) An illustrated guide to some common diatom species from South Africa. WRC Report TT 282/07

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