

Diatom Flora of the Low Countries

Eunotia fennica (Hustedt) Lange-Bertalot 2004

Basionym : *Eunotia denticulata* var. *fennica* Hustedt 1932

Synonym(s) : *Eunotia denticulata* sensu auct. nonnull.

Morphology

Dorsal margin parallel or slightly to more strongly convex with fine spines (visible by careful focusing). Ventral margin weakly concave. Girdle view narrowly rectangular. Spines visible as dark spots (focusing !) at the dorsal side of the mantle. Poles more or less drawn out and deflected dorsally. Puncta on striae difficult to resolve.

Morphometrics

Source	Length (µm)	Width (µm)	Striae (in 10 µm)	Areolae (in 10 µm)
Own data (n=21)	27.5-50.0	3.7-4.7	17.4-20.5	
Lange-Bertalot et al. 2011	16-90	3-5	15-22	
Lange-Bertalot et al. 2017	16-65	3-5	15-22	32-35
Krammer & Lange-Bertalot 1991	15-60(90)	(3)3,5-5	15-22	

Related species

E. denticulata s.s. (Brébisson ex Kützing) Rabenhorst 1864 (broader, less striae/10 µm, longer spines); *E. neoborealis* Lange-Bertalot (longer dorsal spines, broader on average (4-6.5 µm)); *E. superpaludosa* Lange-Bertalot (dorsal margin less convex); *E. neocompacta* var. *vixcompacta* Lange-Bertalot (no spines)

Distribution

Scattered to moderately frequent in Central Europe

Ecology

Undisturbed ombrotrophic peat bogs or dystrophic lakes with *Sphagnum*-association at the shores,

Ecological values

Indicator values (Van Dam et al. 1994)

R	H	N	O	S	T	M
2	1			1	1	

IPS

IPS-V	IPS-I

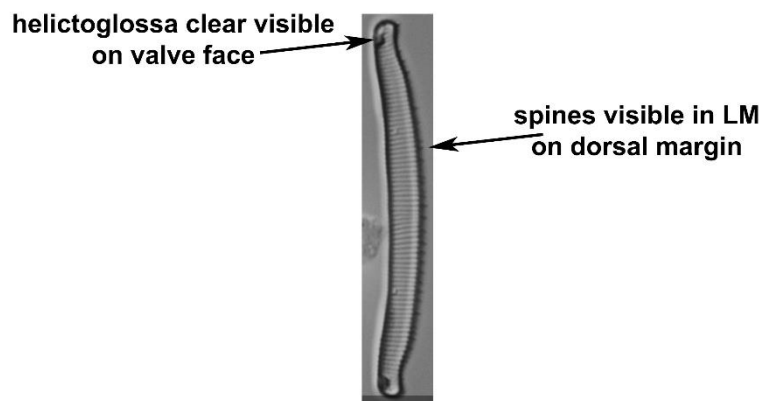
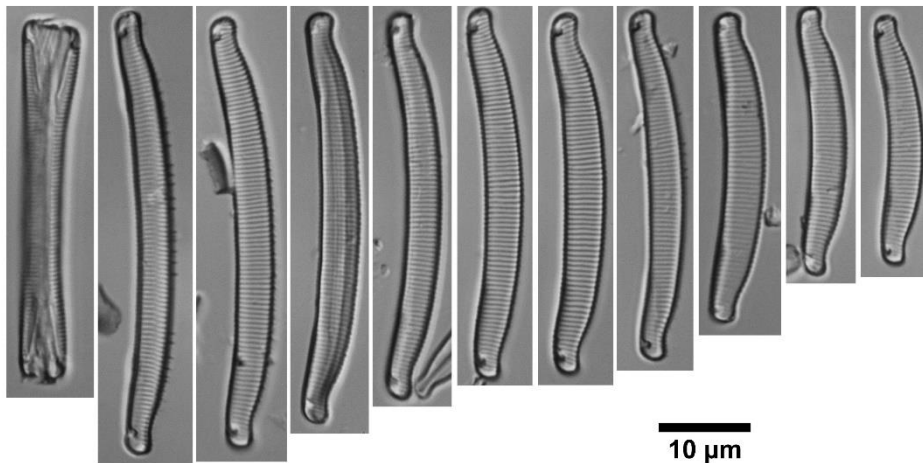
TDI

TI-V	TI-S
1	3

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Remarks

Poort II, Boswachterij Dwingeloo (NI)
08/05/2017



References:

Lange-Bertalot et al, 2011 Diatoms of Europe 6 p. 100, figs p. 618

Citation:

G.L.Verweij, 2019, *Eunotia fennica*. In Diatom Flora of the Low Countries. NVKD.
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