

**Nos. 034**

River Chitose outflow of Lake Shikotsu, Hokkaido Pref., Japan.

[42°46'15" N, 141°24'23" E]

Date: 2/iii/2009.

Coll. A. Tuji (duplicate of TNS-AL- 57112m in TNS).

*Gomphoneis pseudookunoi* Tuji, Bull. Natn. Sci. Mus. Tokyo ser. B. **31**: 97. *pl. 15. f. 1–15. pl. 16. f. 1–5. pl. 17. f. 1–5.* 2005.

(Figs 1-6)

**Holotype**: Slide TNS-AL-TW- 6274sc in TNS.

**Type material (Isotype)**: TNS-AL-TW- 6274m in TNS collected from northern part of Minae, L. Shikotsu by T. Watanabe on 24th June, 1990.

This material is not an isotype, but comes from the type locality (Lake Shikotsu).

*Achnanthidium pusillum* (Grunow in Cleve & Grunow) Czarnecki in Czarnecki & Edlund, Diat. Res. **10**: 208. 1995.

≡ *Achnanthes pusilla* Grunow in Van Heurck, Synops. Diat. Belg. *pl. 27. f. 33, 34.* 1880.

(Figs 7-12)

*Achanthidium minutissimum* var. ?

(Figs 13-15)

*Gomphonema minutum* (C.Agardh) C.Agardh, Consp. Criticus Diatom. **3**: 34. 1830.

≡ *Licmohora minuta* C.Agardh, Flora **2**: 629. 1827.

≡ *Gomphoneis heterominuta* Mayama & A.Kawashima in Mayama et al., Diat. **18**: 89. 2002. nom. nud.

(Figs 16-19)

The new name for this taxon, *Gomphoneis heterominuta* Mayama et Kawashima, is nomenclatural invalid because of lacking the replaced synonym (ICBN Vienna code Art. 33.4), and there is not another combination for this taxon to genus *Gomphoneis*.

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(also see Catalogue of Diatom Names, California Academy of Sciences, On-line Version. Compiled by Elisabeth Fourtanier & J. Patrick Kociolek. Available online at <http://www.calacademy.org/research/diatoms/names/index.asp> )

***Gomphonema cf. nipponicum***

(Figs 20-21)

