

**Nos. 022**

Lake Biwa, Shiga Pref., Japan.

[35°30'13.6" N, 136°10'55.4" E]

EC: 100, pH: 8.0, WT: 11.8.

Date: 18/iii/2008.

Coll. A. Tuji (duplicate of TNS-AL- 56459m in TNS).

*Asterionella formosa* Hassall, Diat. Water Suppl. London: 10. *pl.* 2. *f.* 5. 1850.

(Figs 1-9)

Type: prepared slides and / or material of the type are not known to exist (Pappas and Stoermer 2001).

Type locality: Thames at Brentford, U. K.

Ecology: plankton.

Reference: Pappas, J. L. & Stoermer, E. F. 2001. *Asterionella* Hassall

(Heterokontophyta, Bacillariophyceae) Taxonomic history and quantitative methods as an aid to valve shape differentiation.

*Fragilaria* sp.

(Figs 10-13)

This taxon should be new taxon, and I will describe in following paper.

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