

**Nos. 033**

Lake Shikotsu, Hokkaido Pref., Japan.

[42°46'04" N, 141°24'10" E]

Date: 2/iii/2009.

Coll. A. Tuji (duplicate of TNS-AL-57110m in TNS).

*Fragilaria gracilis* Østrup, Danske Diat.: 190. *pl. 5. f. 117.* 1910.

(Figs 9-13)

Lectotype: (designated in Krammer and Lange-Bertalot 1991): slide 1342 in the Østrup collection in C.

Isotype (raw material): 352.1 in the Østrup collection in C.

Type locality: A basin in the Botanical garden, Kopenhagen.

Ecology: saproxenous.

Reference: Tuji, A. 2007. Type examination of *Fragilaria gracilis* Østrup (Bacillariophyceae). Bull. Natl. Mus. Nat. Sci., Ser. B. 33: 9-12.

*Achnanathidium gracillimum* (F.Meister) Mayama et H.Kobayasi in H.Kobayasi et al., H.Kobayasi's Atlas Jap. Diat. Electr. Microsc. **1**: 13. 2006.

≡ *Microneis gracillima* F.Meister, Kiesel. Schw. 97. *f. 12.* 1912.

(Figs 1-5)

*Brachysira neoexilis* Lange-Bert. in Lange-Bert. et G.Moser, Bibl. Diat. **29**: 51. *f. 5:1-35, 6:1-6, 17:7-11, 32:27-30, 46: 19-27.* 1994.

(Figs 6-8)

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