

**Nos. 008**

Hana-no-ego moor, Yaku-shima Isl., Kagoshima Pref., Japan.

[30°18'40.5" N, 130°30'46.2" E]

EC: 22, pH: 5.1, WT: 8.3.

Date: 8/xii/2003.

Coll. A. Tuji (duplicate of TNS-AL-55458m in TNS).

*Aulacoseira pfaiana* (Reinsch) Krammer, Nova Hedw. **52**: 94. 1991.

≡ *Melosira pfaiana* Reinsch in Rabenh., Alg. Eur. 1912. 1866.

(Figs 1-8)

Synonym: *Melosira pfaiana* Reinsch, Abh. Senckenberg. Naturf. Ges. **6**: 137, pl. xx. c. iii. Algenfl.

Frank. 11. pl. I. f. II. 1867 (1866).

Type locality: Franconia: near Erlangen, Germany.

Syntype (exsiccata): Die Algen Europa's exsiccatae. no. 1912, examined by Tuji & Williams, Bull.

Natn. Sci. Mus., Tokyo ser. B. **32**: 117-121. f. 1-14, 24-28. 2006.

Ecology: The identification of this taxon has been confusing in Japan.

*Eunotia microcephala* Krasske, Hedw. **72**: 102. f. 7. 1932.

(Figs 9-10)

Ecology: acidophilous.

