

Nos. 005

Tsukahara hot spa, Oita Pref., Japan.

[33°19' N, 131°25' E from a map]

EC: 9890, pH: 1.8, WT: 34.4.

Date: 17/x/1992.

Coll. T. Watanabe (duplicate of TNS-AL-TW-10208 in TNS).

Pinnularia osoresanensis (Negoro) Fukush., Yoshit. et Ts.Kobay. Diat. **18**: 8. 2002

≡ *Pinnularia acoricola* var. *osoresanensis* Negoro, Sci. Rep. Tokyo Bunrika Daigaku. sect. B. **101**: 316. f. 3c. 1944.

(Figs 1-11)

Synonym: *Pinnularia acoricola* var. *acoricola* sensu Negoro, Sci. Rep. Tokyo Bunrika Daigaku. sect. B. **101**: 314. 1944.

Type locality: Zigokudani, Osoresan, Aomori Pref., Japan.

Ecology: acidobiontic, common in Japanese acid (pH: 1-3.5) hot spa.

