

**Nos. 037**

Kawayu hot spa, Hokkaido Pref., Japan.

[35°12'14.9" N, 139°01'44.4" E]

EC: over 4mS, pH: 2.5, WT: 17.3.

Date: 6/iii/2009.

Coll. A. Tuji (duplicate of TNS-AL- 57150m 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 1-8)

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.

*Pinnularia acidojaponica* M.Idei et H.Kobayasi in M.Idei & Mayama, Lange-B.  
–Festschr. 266. *f.* 1-29. 2001.

(Figs 9-16)

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