

Diatom 30: 140-146

Three freshwater *Ellerbeckia* taxa found in Japan

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**Abstract**

An investigation of freshwater *Ellerbeckia* species in Japan was undertaken with three taxa, *E. arenaria* f. *arenaria*, *E. arenaria* f. *teres* and *E. sp.*, reported herein. Recent *E. arenaria* f. *arenaria* was found at one site in Lake Yamanaka, recent *E. arenaria* f. *teres* was also found at one site in Lake Akan, fossil *E. arenaria* f. *teres* was found in Early Miocene to Pleistocene sediments from 12 localities and *E. sp.* was found in Early Miocene sediment. All three taxa are illustrated using LM and SEM images, with an additional stereomicroscope photograph for one taxon.

**Key index words:** *Ellerbeckia*, fossil, freshwater, Japan, recent