

Diatom 25: 116-119 (和文)

上田晶子・渡辺剛・茜谷和宏・片野登：秋田県の珪藻1－強酸性温泉の珪藻

Akiko Ueda, Tsuyoshi Watanabe, Kazuhiro Akaneya and Noboru Katano: Diatoms in Akita

Prefecture, northern part of Japan, part 1 -Diatoms in strongly acidic hot springs

Abstract

Diatom assemblages were studied in three strongly acidic hot springs in Akita Prefecture, northern part of Japan. *Eunotia exigua* and *Pinnularia acidojaponica* were recorded in the three springs, Fukenoyu, Tamagawa and Kawarage, with *P. acidojaponica* dominant in all the springs. Relative abundance of *E. exigua* was slightly increased in Fukenoyu, which has the highest water temperature and the lowest pH of all the springs.

Key index words: Akita Prefecture, *Eunotia exigua*, *Pinnularia acidojaponica*, strongly acidic hot springs