

Pinnularia borealis Ehrenb.

Abh. Königl. Akad. Wiss. Berlin 1841: 420, pl. 1/2, fig. 6; pl. 4/1, fig. 5 (1843)

Type locality: Chile, U.S.A. (Rocky Mountains, New York, Alaska), Belgium

Australian distribution: Qld, N.S.W., Vic., Tas., W.A. (Perth)

Reference: J. John, The diatom flora of the Swan River Estuary, Western Australia, *Biblioth. Phycol.* 64: 1–358 (1983)

Extra-Australian distribution: Chile, U.S.A. (Rocky Mountains, New York, Alaska), Canada (Arctic), Canary Islands, Spain, British Isles, Belgium, Romania, Kara Sea, Kenya, China, Hawaiian Islands

Note: Usually in fresh water; also estuarine and terrestrial