

Trachyneis aspera (Ehrenb.) Cleve var. **aspera**

Kongl. Svenska Vetensk.-Akad. Handl., ser. 2, 26: 191 (1894)

Navicula aspera Ehrenb., *Deutsche Akad. Wiss. Berlin* 1840: 213 (1840)

Type locality: Denmark

Australian distribution: N & NW Australia, Qld (Heron Island, Noosa, Moreton Bay), N.S.W. (Lake Macquarie), Vic., Tas. (Ralphs Bay), W.A. (King George Sound, Perth)

References: L.H.Crosby & E.J.F.Wood, Studies on Australian and New Zealand diatoms. II. Normally epontic and benthic genera, *Trans. & Proc. Roy. Soc. New Zealand* 86: 1–58 (1959)

N.Foged, Diatoms in eastern Australia, *Biblioth. Phycol.* 41: 1–243 (1978)

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

G.M.Hallegraeff & S.W.Jeffrey, Tropical phytoplankton species and pigments of continental shelf waters of north and north-west Australia, *Mar. Ecol. Prog. Ser.* 20: 59–74 (1984)

K.Saunders, C.Lane, S.Cook, A.McMinn & G.M.Hallegraeff, Benthic diatoms, *Algae of Australia: Phytoplankton of Temperate Coastal Waters* 114 (2010)

Extra-Australian distribution: Brazil, Pacific coast of Mexico, U.S.A. (California, NE coast), Iceland, Arctic Ocean, British Isles, France, North Sea, Spain, Canary Islands, E Mediterranean Sea, Black Sea, Nigeria, South Africa, Arabian Sea, Bay of Bengal, Southern Ocean, Antarctica