

Biddulphia alternans (Bailey) Van Heuck

Syn. Diatom. Belgique 208 (1885)

Triceratium alternans Bailey, *Smithsonian Contrib. Knowl.* 2 (8): 14, 40, pl. 1, figs 55, 56 (1851)

Type locality: U.S.A. (NE coast)

Australian distribution: N & NW Australia, Qld (Capricorn Coast, Noosa, Moreton Bay), N.S.W. (Port Hacking, Sydney), W.A. (Perth)

References: L.H.Crosby & E.J.F.Wood, Studies on Australian and New Zealand diatoms. I. Planktonic and allied species, *Trans. & Proc. Roy. Soc. New Zealand* 85: 483–530 (1958)

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

N.Revelante & M.Gilmartin, Characteristics of the microplankton and nanoplankton communities of an Australian coastal plain estuary, *Austral. J. Mar. Freshw. Res.* 29: 9–18 (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)

Extra-Australian distribution: Caribbean Sea, Gulf of Mexico, U.S.A. (E and NE coasts), Canada (E coast), Canary Islands, British Isles, North Sea, Baltic Sea, North Atlantic Ocean, Faeroes, Denmark Strait, South Africa, Arabian Sea, Japan, New Zealand