

Nitzschia sigma (Kütz.) W.Sm.

Syn. Brit. Diatomaceae 1: 39, pl. 13, fig. 108 (1853)

Synedra sigma Kütz., *Kieselschaligen Bacillarien oder Diatomeen* 967 (1844)

Type locality: Great Britain

Australian distribution: N & NW Australia, N.T., NE Qld, N.S.W. (Byron Bay, Lake Macquarie, Botany Bay), Vic., W.A. (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)

Extra-Australian distribution: Argentina, Gulf of Mexico, U.S.A. (W and E coasts), Canada (New Brunswick, Great Lakes), Canary Islands, Iceland, British Isles, North Sea, Baltic Sea, Kara Sea, Arctic Ocean, Spain, Mediterranean Sea (Egypt), Romania, Black Sea, Iran, West Africa (Niger Delta), Arabian Sea, India, W Pacific Ocean, East China Sea, Sea of Japan, New Zealand, Hawaiian Islands, N Pacific Ocean, Bering Sea

Note: In brackish and marine habitats