

Nitzschia fasciculata (Grunow) Grunow, in Van Heurck, *Syn. Diatom. Belgique* 179, pl. 66, figs 11–13 (1881)

Nitzschia sigma var. *fasciculata* Grunow, *Naturwissenschaftliche Beiträge zur Kenntniss der Kaukasusländer, auf Grund seiner Sammelbeute* 119 (1878)

Type locality: Caspian Sea

Australian distribution: 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: S and NE Brazil, Gulf of Mexico, U.S.A. (Great Lakes, Virginia, Maine), Canada (Ontario), British Isles, North Sea, Baltic Sea, Adriatic Sea, Caspian Sea, Iraq, India, China, East China Sea

Note: Usually in fresh water; also estuarine and marine