

Alexandrium minutum Halim

Vie Milieu 11: 102, fig. 1a–g (1960)

Type locality: Mediterranean Sea (Egypt)

Alexandrium ibericum Balech, in D.M.Anderson, A.W.White & D.G. Baden, *Toxic Dinoflagellates* 37, fig. 15 (1985)

Type locality: Spain, Portugal

Alexandrium lusitanicum Balech, in D.M.Anderson, A.W.White & D.G. Baden, *Toxic Dinoflagellates* 37, fig. 16 (1986)

Type locality: Portugal

Australian distribution: Known from the Swan River (W.A., since 1982), Bunbury, Port River (S.A., since 1986), Hopkins Estuary and Portland, Vic., and Shoalhaven (since 1993) and Newcastle, N.S.W. (since 1997) [Hallegraeff *et al.*, 2010]; also in Qld

Extra-Australian distribution: Brazil, U.S.A. (New York), British Isles, France, Denmark, Portugal, Mediterranean Sea (Spain, Tunisia, Italy, Turkey, Egypt), South Africa, Thailand, Malaysia, Taiwan, Japan, New Zealand

Note: A producer of paralytic shellfish poisons (mainly gonyautoxin fractions) that can affect humans, mammals, birds and possibly fish [Hallegraeff *et al.*, 2010]

References: G.M.Hallegraeff, C.J.[S.]Bolch, S.I.Blackburn & Y.Oshima, Species of the toxic dinoflagellate genus *Alexandrium* in southeastern Australian waters, *Bot. Mar.* 34: 575–587 (1991)

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