



Listing Advice

Hypsela sessiliflora

Taxonomy

Hypsela sessiliflora was described in 1943 from undated material collected by Ferdinand Bauer in the vicinity of Sydney between 1801 and 1805 (Albrecht et al., 2015). The species was presumed extinct (Briggs and Leigh 1996) and considered to be previously restricted to the Cumberland Plain in western Sydney (PlantNET 2015, cited in NSW SC 2016). A number of collections had been provisionally identified as *H. sessiliflora* but later re-determined to be *Isotoma fluviatilis* (Albrecht et al., 2015).

More recently, Albrecht and colleagues (2015) assessed the taxonomic status of *H. sessiliflora* using both morphological and molecular data and determined that it is a synonym of *I. f. subsp. fluviatilis* (NSW SC 2016). *Hypsela sessiliflora* is now excluded from the NSW flora census (PlantNET 2017) and the Australian Plant Census (CHAH 2010).

Isotoma fluviatilis subsp. *fluviatilis* grows in wet places around dams and creeks on coastal plains north and west of Sydney, south from Gloucester, sometimes becoming weedy in lawns (PlantNET 2017).

Reason for conservation assessment by the Threatened Species Scientific Committee

Hypsela sessiliflora is listed as Extinct under the *Environment Protection and Biodiversity Conservation Act 1999* (Cwlth) (EPBC Act). The species is eligible for listing under the EPBC Act as on 16 July 2000 it was listed as Extinct under Schedule 1 of the preceding Act, the *Endangered Species Protection Act 1992* (Cwlth).

This advice follows assessment of new information provided to the Department to delist *H. sessiliflora*.

This assessment is due to current information on *H. sessiliflora*, stating the species is no longer considered a valid taxon.

Consideration for delisting

As *H. sessiliflora* is not considered to be a valid species, delisting is not expected to have any negative impacts.

References cited in the advice

Albrecht DE, Walsh NG, Jobson RW & Knox EB (2015), The taxonomic status of *Hypsela sessiliflora* E.Wimm. (Campanulaceae: Lobelioideae). *Telopea* 18: 461.

Briggs JD & Leigh JH (1996) *Rare of threatened Australian plants, revised edition*. CSIRO Publishing: Collingwood.

CHAH (Council of Heads of Australasian Herbaria) (2010). *Australian Plant Census*.

NSW SC (NSW Scientific Committee) (2016). *Final Determination - Hypsela sessiliflora*.

PlantNET (The NSW Plant Information Network System). Royal Botanic Gardens and Domain Trust, Sydney. Available on the Internet: <http://plantnet.rbgsyd.nsw.gov.au>