

# NSW SCIENTIFIC COMMITTEE

## Final Determination

The Scientific Committee, established by the *Threatened Species Conservation Act 1995* (the Act), has made a Final Determination to remove *Hypsela sessiliflora* F. Wimmer from the Schedules of the Act by omitting reference to this species from Part 1 of Schedule 1 (Endangered species). The omission of species from the Schedules is provided for by Part 2 of the Act.

The Scientific Committee has found that:

1. *Hypsela sessiliflora* E. Wimm. (currently listed as *Hypsela sessiliflora* F. Wimmer in Part 1 of Schedule 1 of the Act) was transferred to *Isotoma* by Lammers (1999) and has been described as a "Prostrate herb rooting at the nodes; branches 2–3 cm long, hairy towards apex. Leaves ± ovate to oblong, 2–4 mm long, 1–2.5 mm wide, apex obtuse to ± acute, margins entire or crenate-undulate, glabrous; ± petiolate. Flowers few, solitary, ± sessile. Calyx lobes c. 0.5 mm long, minutely hairy. Corolla 4–5 mm long, white or pale purple, glabrous; tube ± funnel-shaped, c. 1.5 mm long, entire or slightly notched; lobes equal, c. 2 mm long. Filaments inserted at the middle of the corolla tube, anther tube striate, glabrous, c. 0.8 mm long; lower anthers with 1 small bristle. Ovary turbinate, c. 0.5 mm long, 2-locular. Fruit indehiscent, somewhat fleshy, crowned by the persistent calyx lobes." (PlantNET 2015, as *Isotoma sessiliflora* (E.Wimm.) Lammers).
2. *Hypsela sessiliflora* was considered to be restricted to the Cumberland Plain, western Sydney (PlantNET 2015).
3. *Hypsela sessiliflora* was listed under the Act as Presumed Extinct but in 2003 its status was changed to Endangered (NSW Scientific Committee 2003). It is listed as Extinct under the *Environment Protection and Biodiversity Conservation Act 1999*.
4. Albrecht *et al.* (2015) assessed the taxonomic status of *Hypsela sessiliflora* using both morphological and molecular data and determined that it is a synonym of *Isotoma fluviatilis* (R.Br.) F.Muell. ex Benth. subsp. *fluviatilis*, a widespread taxon not listed under the Act.
5. In view of the above, the Scientific Committee is of the opinion that *Hypsela sessiliflora* F. Wimmer is no longer eligible to be listed as an Endangered species in Part 1 of Schedule 1 of the Act.

Dr Mark Eldgridge  
Chairperson  
Scientific Committee

Exhibition period: 25/11/16 – 27/01/17

Proposed Gazettal date: 25/11/16

### References:

Albrecht DE, Walsh NG, Jobson RW, Knox EB (2015) The taxonomic status of *Hypsela sessiliflora* E.Wimm. (Campanulaceae: Lobelioideae). *Telopea* **18**, 455–462.

Lammers TG (1999) Nomenclatural consequences of the synonymization of *Hypsela reniformis* (Campanulaceae: Lobeae). *Novon* **9**, 73–76.

PlantNET (The NSW Plant Information Network System) (2015) Royal Botanic Gardens and Domain Trust, Sydney. <http://plantnet.rbgsyd.nsw.gov.au> (accessed 25 November 2015)