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Name changes associated with the South Australian census of vascular plants for the calendar year 2011

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The following tables show the changes, and the reasons why they were made, in the census of South Australian vascular plants for the calendar year 2011. The census is maintained in a database by the State Herbarium of South Australia and projected on the web on the eFloraSA site (www.flora.sa.gov.au). Any changes made to the census database are reflected on the web page the next day.

The Census recognises two broad categories of plants, native and naturalised. Those species which have been introduced to South Australia and have then become naturalised are indicated by an asterisk before their name and are treated in Tables 2 and 4 below. Species lacking an asterisk are considered to be native to South Australia. There are a few species which do not fall happily into either category and two examples are listed for 2011 in Table 5.

Names change for several reasons. Sometimes they result from a change in the taxonomy or circumscription of the species concerned. Alternatively name changes can occur which do not affect the concept of the species, or at least not in the context of South Australia. Species listed in Tables 1 and 2 fall into the latter category and so these can be considered as replacement names for species which were already present in the census. A number of the changes recognised in 2011 were due to informal

phrase names in *Eremophila*, *Spergularia*, *Caladenia* and *Thelymitra* being formalised, e.g. *Eremophila sp. Fallax* (D.E.Symon 12311) was the informal phrase name for the now formally published *Eremophila fallax* Chinnock. Other changes were due to the decision to treat *Chamaesyce* as a subgenus of *Euphorbia*, thus necessitating the change of all species previously listed as *Chamaesyce* to the appropriate name in *Euphorbia*, and likewise the decision to treat the segregate genera *Hebe* and *Parahebe* as *Veronica*. Others are just corrections associated with the misspelling of epithets.

Species listed in Tables 3-5 are either completely new to the state (i.e. species which have not been listed for South Australia in past censuses) or they are new species or new records which have been treated as part of another species in previous censuses.

It will be noted that sometimes the references supporting these changes are dated several years prior to 2011. It can take some time to decide whether suggested changes will be adopted since published opinion is not always accepted by the greater botanical community. Rather than making the requisite change and then finding that the name has to be changed back again, as has happened for some of the grass species, change is only made when there is some certainty that this will not happen.

Table 1. Native plants already recognised, but whose names have changed.

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| <i>Actites megalocarpus</i> (Hook.f.) Lander | Correction of spelling of epithet only. |
| <i>Caladenia cruciformis</i> D.L.Jones | Specimens previously referred to as <i>Caladenia sp. Bordertown</i> (R.S.Rogers 788) R.J.Bates are equated with this species. Also referred to as <i>Arachnorchis cruciformis</i> (D.L.Jones) D.L.Jones & M.A.Clem. in some literature. |
| <i>Caladenia strigosa</i> (D.L.Jones) R.J.Bates | New name and new combination provided for previous <i>C. australis</i> and <i>Arachnorchis strigosa</i> . See Barker & Bates (2008). |
| <i>Cryptandra campanulata</i> Schldl. | Existing published name for <i>Cryptandra sp. Long hypanthium</i> (C.R. Alcock 10626) W.R.Barker (pers. comm. Jürgen Kellermann, AD). |
| <i>Drosera whittakeri</i> Planch. | With the raising of <i>D. whittakeri</i> subsp. <i>aberrans</i> to species (Lowrie & Conran 2008) there is no longer a subsp. <i>whittakeri</i> or subsp. <i>aberrans</i> . |
| <i>Eremophila decussata</i> Chinnock | Published name for <i>Eremophila sp. Decussate</i> (R.J.Chinnock 7735) Chinnock. See Chinnock (2007). |

- Eremophila dendritica* Chinnock Published name for *Eremophila* sp. *Dendritica* (W.S.Reid AD 98581189) Chinnock. See Chinnock (2007).
- Eremophila fallax* Chinnock Published name for *Eremophila* sp. *Fallax* (D.E.Symon 12311) Chinnock. See Chinnock (2007).
- Eremophila gilesii* F.Muell. subsp. *gilesii* *E. gilesii* split into two subspecies, only one of which occurs in South Australia. See Chinnock (2007).
- Eremophila glabra* (R.Br.) Ostenf. subsp. *murrayana* Chinnock Published name for *Eremophila glabra* (R.Br.) Ostenf. subsp. *Murray* (A.G.Spooner 14470) Chinnock. See Chinnock (2007).
- Eremophila hygrophana* Chinnock Published name for *Eremophila* sp. *Hygrophana* (P.J.Lang B894-2828) Chinnock. See Chinnock (2007).
- Eremophila obovata* L.S.Sm. subsp. *obovata* Variety *obovata* raised to subspecies in Chinnock (2007).
- Eremophila paisleyi* F.Muell. subsp. *glandulosa* Chinnock Published name for *E. paisleyi* F.Muell. subsp. *Glandular* (F.J.Badman 6011) Chinnock. See Chinnock (2007).
- Eremophila parvifolia* J.M.Black subsp. *parvifolia* Second subspecies recognised by Chinnock (2007) and so autonym established.
- Eremophila platythamnos* Diels subsp. *villosa* Chinnock Published name for *Eremophila platythamnos* Diels subsp. *Villous* (A.C.Robinson NPWS82) Chinnock. See Chinnock (2007).
- Eremophila subfloccosa* Benth. subsp. *glandulosa* Chinnock Published name for *Eremophila subfloccosa* Benth. subsp. *Glandulosa* (R.Bates 32961) Chinnock. See Chinnock (2007).
- Eremophila subfloccosa* Benth. subsp. *lanata* Chinnock Published name for *Eremophila subfloccosa* Benth. subsp. *Lanata* (R.Bates 33587) Chinnock. See Chinnock (2007).
- Eremophila willsii* F.Muell. subsp. *integrifolia* (Ewart) Chinnock Variety *integrifolia* raised to subspecies. See Chinnock (2007).
- Eremophila willsii* F.Muell. subsp. *willsii* Variety raised to subspecies. See Chinnock (2007).
- Euphorbia alsiniflora* Baill. Replacement name for *Chamaesyce coghlanii* (F.M.Bailey) D.C.Hassall ex P.I.Forst. & R.J.F.Hend. Following molecular work, the Australian Plant Census decision was to adopt the name *Euphorbia* with *Chamaesyce* as a subgenus. See PBI *Euphorbia* Project (ongoing).
- Euphorbia australis* Boiss. Replacement name for *Chamaesyce australis* (Boiss.) D.C.Hassall.
- Euphorbia centralis* B.G.Thomson Replacement name for *Chamaesyce centralis* (B.G.Thomson) P.I.Forster & R.J.F.Henderson.
- Euphorbia dallachyana* Boiss. Replacement name for *Chamaesyce dallachyana* (Boiss.) D.C.Hassall.
- Euphorbia drummondii* Boiss. Replacement name for *Chamaesyce drummondii* (Boiss.) D.C.Hassall.
- Euphorbia flindersica* Halford & W.K.Harris Replacement published name for *Chamaesyce* sp. *Papillose plants* (D.E.Symon 14628) R.M.Barker of Barker et al. (2005). See Halford & Harris (2010).
- Euphorbia inappendiculata* Domin var. *queenslandica* Domin Replacement name for *Chamaesyce* sp. *Marree* (F.J.Badman 776) W.R.Barker. See Halford & Harris (2010) for comment on the identity of this taxon.
- Euphorbia mitchelliana* Boiss. Replacement name for *Chamaesyce mitchelliana* (Boiss.) D.C.Hassall.
- Euphorbia schultzei* Benth. Replacement name for *Chamaesyce schultzei* (Benth.) D.C.Hassall.
- Euphorbia wheeleri* Baill. Replacement name for *Chamaesyce wheeleri* (Baill.) D.C.Hassall.
- Flaveria trinervia* (Spreng.) C.Mohr Previously treated as *F. australasica* Hook. Bean (2009) stated that *F. australasica* is the same as *F. trinervia* and it is introduced, but at this stage we have continued to indicate it as native — to be reviewed.
- Glinus oppositifolius* (L.) Aug.DC. Previously treated as *G. oppositifolia* (L.) A.DC. Incorrect ending for species name and incorrect authorship.
- Leptosema chambersii* F.Muell. Previously treated as *L. chambersii* F.Muell. subsp. *chambersii*. Between 1986 and 1993 subspecies rank was used in the census for no apparent reason and this is now corrected.
- Myriocephalus rhizocephalus* (DC.) Benth. Previously as *M. rhizocephalus* var. *rhizocephalus*. However *M. rhizocephalus* var. *pluriflorus* has been raised to species level and so there is now no need for the autonym.
- Olearia pimeleoides* (DC.) Benth. Lander (2008) raised subsp. *incana* to species level and so subsp. *pimeleoides* is no longer recognised.
- Ptilotus gaudichaudii* (Steud.) J.M.Black subsp. *gaudichaudii* Name arising from split of *P. gaudichaudii* into 3 subspecies rather than 2 varieties. See Lally & Barker (2010).
- Ptilotus gaudichaudii* (Steud.) J.M.Black subsp. *parviflorus* (Benth.) Lally Name arising from split of *P. gaudichaudii* into 3 subspecies rather than 2 varieties. See Lally & Barker (2010).

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| <i>Ptilotus helipteroides</i> (F.Muell.) F.Muell. | Previously as <i>P. helipteroides</i> var. <i>helipteroides</i> , but since var. <i>minor</i> is now treated as <i>P. pseudohelipteroides</i> (Bean 2008), varietal status is superfluous. |
| <i>Ptilotus latifolius</i> R.Br. | Previously recognised varieties of this species are no longer recognised (Bean 2008). |
| <i>Ptilotus nobilis</i> (Lindl.) F.Muell. subsp. <i>angustifolius</i> (Benl) Lally & W.R.Barker | Previously as var. <i>angustifolius</i> , now raised to subspecies level. See Lally & Barker (2010). |
| <i>Ptilotus nobilis</i> (Lindl.) F.Muell. subsp. <i>semilanatus</i> (Lindl.) A.R.Bean | <i>P. exaltatus</i> var. <i>semilanatus</i> raised to subspecies under <i>P. nobilis</i> . See Lally & Barker (2010) |
| <i>Ptilotus polystachyus</i> (Gaudich.) F.Muell. | Varieties listed previously are no longer recognised. See Davis & Butcher (2010). |
| <i>Ptilotus pseudohelipteroides</i> Benl. | Recognition of <i>P. helipteroides</i> var. <i>minor</i> at species rank by Bean (2008). |
| <i>Ptilotus schwartzii</i> (F.Muell.) Tate | Previously <i>P. schwartzii</i> F.Muell. ex Tate f. <i>schwartzii</i> Forms of this species are not recognised following Palmer & Lally (2011); "until this work [on infraspecific taxa, especially in WA] progresses, taxa in S.A. are best referred to as <i>Ptilotus schwartzii</i> , in line with [...] Bean (2008)." |
| <i>Ptilotus sessilifolius</i> (Lindl.) Benl | Renamed without subspecies following Bean (2008). See Palmer & Lally (2011). |
| <i>Schoenoplectus subulatus</i> (Vahl) Lye | Australian material previously as <i>S. litoralis</i> (culms triangular in cross-section and found from the Mediterranean region east to China) belongs with <i>S. subulatus</i> (culms terete but trigonous below inflorescence). Even if the species are combined, as done by some authors, the earlier name is <i>S. subulatus</i> ; pers. comm. Karen Wilson (NSW) 22 Sep. 2011. |
| <i>Spergularia bocconei</i> (Scheele) Graebn. | Corrected spelling of epithet. See Adams et al. (2008). |
| <i>Spergularia brevifolia</i> (Bartl.)Walp. | Published name for <i>Spergularia</i> sp. <i>Mt Mulyah</i> (C.W.E.Moore 7046) L.G.Adams used in Barker et al. (2005). Previously part of <i>S. marina</i> , <i>S. diandra</i> and <i>S. rubra</i> . See Adams et al. (2008). |
| <i>Spergularia diandroides</i> L.G.Adams | Published name for <i>Spergularia</i> sp. <i>Densely papillose</i> (E.N.S.Jackson 2133) used in Barker et al. (2005). Previously part of <i>S. diandra</i> . See Adams et al. (2008). |
| <i>Spergularia tasmanica</i> (Kindb.)L.G.Adams | Published name for <i>Spergularia</i> sp. <i>Butchers Gap</i> (P.Gibbons 234) used in Barker et al. (2005). Previously part of <i>S. media</i> . See Adams et al. (2008). |
| <i>Thelymitra crenulata</i> R.J.Bates | Published name for <i>Thelymitra</i> sp. <i>Black buds</i> (R.J.Bates 64389) R.J.Bates. See Bates (2010). Part of <i>T. pauciflora</i> complex. |
| <i>Thelymitra pallidifructus</i> R.J.Bates | Part of <i>T. pauciflora</i> complex but the circumscription of <i>T. pauciflora</i> is no longer clear and so treated as a new species. Referred to as <i>Thelymitra</i> sp. <i>Pale capsules</i> (R.Bates 64170) R.J.Bates in the unpublished account of the Orchids of S Australia on CD (Bates 2007). See Bates (2010). |
| <i>Veronica decorosa</i> F.Muell. | Segregate genera (<i>Hebe</i> , <i>Parahebe</i> , etc) returned to <i>Veronica</i> . See Garnock-Jones et al. (2007). |

Table 2. Naturalised species whose names have changed.

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| * <i>Cotoneaster symondsii</i> T.Moore | Previously listed as <i>Cotoneaster simonsii</i> Baker. The spelling of the epithet varies considerably for this species and it was unclear which was correct. Discussion with interstate colleagues involved in the Australian Plant Census and overseas bodies determined that the spelling and authorship needed to be changed to <i>C. symondsii</i> T. Moore. |
| * <i>Cyclosporum leptophyllum</i> (Pers.) Sprague ex Britton & P. Wilson | Originally spelled as <i>Ciclospermum</i> . <i>Cyclosporum</i> was the conserved spelling adopted by the botanical community in 1993 (Nicolson 1993). |
| * <i>Euphorbia hyssopifolia</i> L. | Originally as <i>Chamaesyce hyssopifolia</i> (L.) Small. Following molecular work, the Australian Plant Census decision was to adopt the name <i>Euphorbia</i> with <i>Chamaesyce</i> as a subgenus. See PBI <i>Euphorbia</i> Project (ongoing). |
| * <i>Euphorbia maculata</i> (L.) Small | Originally as <i>Chamaesyce maculata</i> (L.) Small. |
| * <i>Lotus corniculatus</i> L. var. <i>tenuifolius</i> L. | Originally as <i>Lotus corniculatus</i> L. var. <i>tenuifolia</i> L. Spelling of varietal epithet corrected. |
| * <i>Monoculus monstrosus</i> (Burm.f.) B.Nord. | Originally as <i>Tripteris clandestina</i> Less. A new name for this taxon published by Nordenstam (2006). |
| * <i>Torilis arvensis</i> (Huds.) Link | Originally as <i>Torilis arvensis</i> (Huds.) Link subsp. <i>purpurea</i> (Ten.) Hayek. There is some confusion about the correct name to apply to this species and it also seems likely that there is more than one taxon in South Australia. Further specimens are required to sort this out. |
| * <i>Veronica speciosa</i> R.Cunn. ex A.Cunn. | Previously as <i>Hebe speciosa</i> . The segregate genera (<i>Hebe</i> , <i>Parahebe</i> , etc.), have been returned to <i>Veronica</i> . See Garnock-Jones et al. (2007). |
| * <i>Veronica parviflora</i> Vahl | Previously as <i>Hebe parvifolia</i> . See above. |

Table 3. Native species which are new to South Australia or which have had their circumscription changed

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| <i>Caladenia aurulenta</i> (D.L.Jones) R.J.Bates | New species for South Australia originally described as <i>Arachnorchis</i> . Combination in <i>Caladenia</i> provided by Barker & Bates (2008). |
| <i>Caladenia fuliginosa</i> (D.L.Jones) R.J.Bates | New species for South Australia originally described as <i>Arachnorchis</i> . Combination in <i>Caladenia</i> provided by Barker & Bates (2008). |
| <i>Caladenia interanea</i> (D.L.Jones) R.J.Bates | New species for South Australia originally described as <i>Arachnorchis</i> . Combination in <i>Caladenia</i> provided by Barker & Bates (2008). |
| <i>Caladenia leptochila</i> Fitzg. subsp. <i>dentata</i> (D.L.Jones) R.J.Bates | New subspecies for South Australia originally described as <i>Arachnorchis</i> . Combination in <i>Caladenia</i> provided by Barker & Bates (2008). |
| <i>Caladenia leptochila</i> Fitzg. subsp. <i>leptochila</i> | With the recognition of a new subsp. the circumscription of this taxon has changed. The regional distribution, particularly FR, of the re-circumscribed subsp. <i>leptochila</i> needs assessment. |
| <i>Cassinia wilsoniae</i> Orchard | New species for South Australia from MU region. See Orchard (2009). |
| <i>Chrysocephalum vitellinum</i> Sond. & F.Muell. ex Sonder | <i>C. vitellinum</i> was split from <i>C. apiculatum</i> by Paul Wilson (2008) but the distinguishing characters were not given. See <i>Flora of Victoria</i> for differences between <i>C. apiculatum</i> and <i>C. vitellinum</i> (as <i>Chrysocephalum</i> sp. 2). Distribution of both taxa in South Australia needs to be confirmed and is presently confined to those specimens cited in the article. |
| <i>Dodonaea petiolaris</i> F.Muell. | New species for South Australia from LE region (based on collection <i>D.C. Bickerton 112</i> & <i>P.J.Lang</i> from Cordillo Downs). |
| <i>Drosera gracilis</i> Planch. | Part of the <i>Drosera peltata</i> complex. This has been split into 3 species. See Conran & Marchant (2011) or Gibson et al. (2010). Recorded for SL and SE regions. |
| <i>Drosera hookeri</i> R.P.Gibson, B.J.Conn & Conran | Part of the <i>Drosera peltata</i> complex. This has been split into 3 species. See Conran & Marchant. (2011) or Gibson et al. (2010). Recorded for FR, EP, NL, MU, YP, SL, KI and SE regions. |
| <i>Drosera peltata</i> Thunb. | Re-circumscription of this species due to the splitting of this complex into three species. See Conran & Marchant (2011) or Gibson et al. (2010). Recorded for FR, EP, NL, MU, YP, SL, KI and SE regions. |
| <i>Epacris obtusifolia</i> Sm. | Neville Walsh (of the National Herbarium of Victoria) confirms a Wehl collection in MEL from near Mt Gambier in 1880. This is presumably the basis for Tate (1890) and Black (1926) recording <i>E. obtusifolia</i> for the SE region. There is no other specimen supporting its occurrence in the SE region or in South Australia. |
| <i>Eremophila forrestii</i> F.Muell. subsp. <i>forrestii</i> | <i>E. forrestii</i> F.Muell. was split into 4 subspecies by Chinnock (2007). Two of the subspecies occur in the NW region of South Australia. All collections by Pastoral Board from Mt Moulden. |
| <i>Eremophila forrestii</i> F.Muell. subsp. <i>viridis</i> Chinnock | See previous subspecies. |
| <i>Lachnagrostis aemula</i> (R.Br.) Trin. | Re-circumscribed by the removal from it of the new species, <i>L. palustris</i> . See Brown (2008). |
| <i>Lachnagrostis batesii</i> A.J.Br. | A new species for the SL region of South Australia. Split from <i>L. filiformis</i> . See Brown (2008). |
| <i>Lachnagrostis filiformis</i> (G.Forst.)Trin. | Re-circumscribed by the removal of the new species, <i>L. batesii</i> . See Brown (2008). |
| <i>Lachnagrostis palustris</i> A.J.Br. | A new species for the SE region of South Australia. Split from <i>L. filiformis</i> and <i>L. aemula</i> . See Brown (2008). |
| <i>Lachnagrostis perennis</i> (Vickery) A.J.Br. | Split from <i>L. filiformis</i> (G.Forst.) Trin. and using the existing varietal name (<i>Agrostis avenacea</i> var. <i>perennis</i> Vickery) at species level. See Brown (2008). |
| <i>Mentha atrolilacina</i> B.J.Conn & D.J. Duval | Some SE specimens of <i>Mentha diemenica</i> , previously treated as aff. <i>diemenica</i> have been described as a new species only known from the SE region (Honans Native Forest Reserve). See Conn & Duval (2010) |
| <i>Mentha diemenica</i> Spreng. | Re-circumscription of <i>M. diemenica</i> by splitting it into two species. See <i>M. atrolilacina</i> above. |
| <i>Newcastelia cephalantha</i> F.Muell. var. <i>oblonga</i> Munir | Added as a new record for South Australia from the LE region. Note however that Rye (1996) in a review in <i>Nuytsia</i> did not recognise the varieties of <i>N. cephalantha</i> . |
| <i>Potamogeton reduncus</i> Hagstr. | Added as new species for South Australia based on the treatment by Papassotiiriou et al. (2011) and the citation there of an AD specimen from EP. There may be more material amongst the rest of <i>Potamogeton</i> specimens in AD. Note also |

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| | that the Australian Plant Census and the WA Census treat this species as a synonym of <i>P. drummondii</i> and so the name may change again. |
| <i>Ptilotus aristatus</i> Benl subsp. <i>aristatus</i> | The two varieties of <i>P. aristatus</i> , var. <i>aristatus</i> and var. <i>eichlerianus</i> , have been combined as subsp. <i>aristatus</i> . See Albrecht & Lally (2010). |
| <i>Ptilotus clementii</i> (Farnar) Benl | Added as a new record for South Australia from the NW region following Palmer & Lally (2011). |
| <i>Ptilotus fusiformis</i> (R.Br.) Poir. | Added as a new record for South Australia from the LE region following Palmer & Lally (2011). Known only by a single collection well south of its normal distribution. |
| <i>Ptilotus incanus</i> (R.Br.) Poir. ex F.Muell. | <i>P. obovatus</i> var. <i>griseus</i> and <i>P. incanus</i> var. <i>parviflorus</i> are now treated as synonyms of <i>P. incanus</i> and so no varieties are now recognised. See Palmer & Lally (2011). |
| <i>Ptilotus murrayi</i> F.Muell. | The previous varieties of <i>P. murrayi</i> are no longer recognised. See Palmer & Lally (2011). |
| <i>Ptilotus nobilis</i> (Lindl.) F.Muell. subsp. <i>nobilis</i> | Variation in <i>P. nobilis</i> is now treated at the subspecies rather than the varietal level. This taxon also includes <i>P. exaltatus</i> which has been reduced to synonymy. See Lally & Barker (2010). |
| <i>Ptilotus obovatus</i> (Gaudich.) F.Muell. | Specimens previously identified as <i>P. astrolasius</i> for South Australia have been re-determined as <i>P. obovatus</i> , and thus <i>P. astrolasius</i> has been removed from the Census. See Palmer & Lally (2011). Var. <i>obovatus</i> is no longer recognised since var. <i>griseus</i> has been treated as a synonym of <i>P. incanus</i> (q.v.). |
| <i>Ptilotus spathulatus</i> (R.Br.) Poir. | The two forma of <i>P. spathulatus</i> are no longer recognised. See Lally & Barker (2010). |
| <i>Sclerolaena minuta</i> (Ising) A.J.Scott | Added as a new record for South Australia from Cordillo Downs in the LE region in May 2011. |
| <i>Thelymitra holmesii</i> Nicholls | The splitting of <i>T. hygrophila</i> from <i>T. holmsei</i> means a re-circumscription of <i>T. holmesii</i> , part of the <i>T. pauciflora</i> complex (Bates 2010). The original <i>T. holmesii</i> was split into <i>T. holmesii</i> and <i>T. peniculata</i> . |
| <i>Thelymitra hygrophila</i> R.J.Bates | A new species, part of the <i>T. pauciflora</i> complex, published by Bates (2010). Split from <i>T. holmesii</i> and previously referred to as <i>Thelymitra</i> sp. <i>Springton</i> with both <i>Bates 63666</i> and <i>Bates 64102</i> cited as voucher specimens. |
| <i>Thelymitra latifolia</i> R.J.Bates | Replacement name for <i>Thelymitra</i> sp. <i>Latifolia</i> (R.Bates 64108) or <i>Thelymitra</i> sp. <i>Latifolia</i> (R.Bates 64051). Original specimens of <i>T. peniculata</i> Jeanes, part of the <i>T. pauciflora</i> complex, were split into two species with much of the material previously identified by Jeanes as <i>T. peniculata</i> for South Australia transferring to <i>T. latifolia</i> — the distribution of this taxon is given by Bates as FR, NL, MU, SL and SE but still needs to be backed up by herbarium specimens. See Bates (2010). |
| <i>Thelymitra mucida</i> Fitzg. | <i>T. orientalis</i> has been split from <i>T. mucida</i> , part of the <i>T. pauciflora</i> complex, which is now considered to be predominantly Western Australian. It is not clear whether <i>T. mucida</i> still occurs in South Australia. See Bates (2010). |
| <i>Thelymitra odora</i> R.J.Bates | A new species, part of the <i>T. pauciflora</i> complex, published by Bates (2010). Previously referred to as <i>Thelymitra</i> sp. <i>Slate Buds</i> (R.Bates 64092) or <i>Thelymitra</i> sp. <i>Odorata</i> (R.Bates 61708). MU is listed as a region of occurrence for this species but no specimens have been cited. |
| <i>Thelymitra orientalis</i> R.J.Bates | <i>T. orientalis</i> , part of the <i>T. pauciflora</i> complex, has been split from <i>T. mucida</i> which is now considered to be predominantly Western Australian. It is not clear whether <i>T. mucida</i> still occurs in South Australia or not. See Bates (2010). |
| <i>Thelymitra peniculata</i> Jeanes | Re-circumscription of <i>Thelymitra peniculata</i> Jeanes, part of the <i>T. pauciflora</i> complex. The original specimens of <i>T. peniculata</i> Jeanes of South Australia were split into <i>T. latifolia</i> and <i>T. peniculata</i> (See Bates 2010). The distribution of <i>T. peniculata</i> in South Australia is given as SL, KI and SE but this distribution needs to be verified with specimens. |
| <i>Thelymitra rubricaulis</i> R.J.Bates | A new species, part of the <i>T. pauciflora</i> complex, published by Bates (2010). Previously referred to as <i>Thelymitra</i> sp. <i>Rubricaulis</i> (R.Bates 64273). |
| <i>Viola betonicifolia</i> Sm. subsp. <i>novaguineensis</i> D.Moore | Recognition of an additional subspecies for the SE region. It is characterised by hastate leaf bases. |

Table 4. New naturalisations in South Australia.

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| * <i>Aloe brevifolia</i> Haw. | New record for South Australia from EP region. |
| * <i>Artemisia pontica</i> L. (Roman worm-wood). | New record for South Australia from SL region. Spontaneous in garden at Mt Barker, recorded as questionably naturalised. |
| * <i>Centaurea moncktonii</i> C.E.Britton (Meadow knapweed) | New record for South Australia from SL region. A specimen previously determined as <i>C. nigra</i> was re-identified as <i>C. moncktonii</i> by Tony Bean (BRI). <i>Centaurea moncktonii</i> is a hybrid between <i>C. jacea</i> L. and <i>C. nigra</i> L. |
| * <i>Crassula sarmentosa</i> Harv. var. <i>sarmentosa</i> | New record for South Australia for SL (<i>O'Leary 3697</i>), KI (<i>Bates 61092</i>) and SE (<i>Brodie 2788</i>) regions |
| * <i>Echium candicans</i> L.f. (Pride of Madeira) | New record for South Australia from SL and SE regions. Most of these records were initially identified as <i>E. simplex</i> in 2008 but this had not been projected in any publications. |
| * <i>Escallonia macrantha</i> Hook. & Arn. | New record for South Australia from SL and SE regions of this ornamental. Its occurrence has been known for some time. Presently specimens are identified as both <i>E. rubra</i> and <i>E. macrantha</i> but the taxonomy surrounding this species is in need of clarification. |
| * <i>Felicia echinata</i> (Thunb.) Nees | New record for South Australia, from SL and EP regions, of a commonly grown garden shrub. Naturalised status in both regions is questionable. |
| * <i>Freesia laxa</i> (Thunb.) Goldblatt & J.C.Manning (False freesia) | New record for South Australia from SL and YP regions of South Australia. |
| <i>Genista xspachiana</i> Webb (Sweet broom) | New record for South Australia from SE region of South Australia |
| * <i>Helianthus tuberosus</i> L. (Jerusalem artichoke) | New record for South Australia from SL region. |
| * <i>Heteropogon contortus</i> (L.) P.Beauv. ex Roem. & Schult. (Black speargrass) | New record for South Australia from GT region. Thirty tussocks were noted in a Stuart Hwy roadside area. |
| * <i>Hypericum androsaemum</i> L. (Tutsan) | New record for South Australia from SL region. Weedy plant of concern because of the red berries it produces; these are likely to be bird dispersed. Already naturalised in other states. |
| * <i>Nassella tenuissima</i> (Trin.) Barkworth (Mexican feather grass) | Only known in garden situations which continue to be monitored, but new plants are continuing to appear each year in SE (pers comm. Chris Brodie), KI (<i>R. Wiadrowski s.n., AD 234869</i>) and SE (<i>A. Kurray s.n., AD 234870</i>). |
| * <i>Ornithopus sativus</i> L. (French Serradella) | The collection <i>Bates 60051</i> , collected from Hilltown in the Northern Lofty region in 2001, was initially identified as <i>O. sativus</i> . In 2008 it was re-identified as <i>O. compressus</i> . Since it was the only record in the herbarium of <i>O. sativus</i> the name was removed from the census. In 2011 the collection was again referred to <i>O. sativus</i> and so the name was added to the census again. Whether it is truly naturalised has yet to be established and further collections would be appreciated. |
| * <i>Vicia villosa</i> Roth subsp. <i>eriocarpa</i> (Hausskn.) P.W.Ball (Hairy vetch) | New record for South Australia from SE region. Specimens had been identified as this by A. Holland (BRI) as early as 1993, when she was preparing the account of <i>Vicia</i> for the Flora of Australia. This account has yet to be published and so the specimen and name had been overlooked. |

Table 5. Native or not?

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| <i>Streptoglossa decurrens</i> (DC.) Dunlop | New record for South Australia from LE region. It is questionable whether this should be regarded as part of the natural range of the species or an expansion of range because of floods or people movement. |
| <i>Helichrysum luteoalbum</i> (L.) Rchb. | Previously treated as <i>Pseudognaphalium luteoalbum</i> (L.) Hilliard & B.L.Burtt. See Galbany-Casals et al. (2004). Continues to be treated as questionably native. |

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