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## ENDANGERED SPECIES IN THE SOUTH AUSTRALIAN NATIVE VASCULAR FLORA

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### Abstract

A list of 125 South Australian vascular plants considered to be endangered has been prepared by the staff of the State Herbarium of South Australia.

### Introduction

With the current level of interest in conservation, a need exists for a dependable list of endangered species of vascular plants in the South Australian native flora. The list prepared by Eichler (in Specht, et al., 1974) provides a great deal of valuable data not otherwise available, but differs from the present list in one important way. It includes numerous species which, although rare or endangered in South Australia, are not immediately endangered in other states. In compiling the present list emphasis has been placed on endemics as these species are entirely dependent on protection within South Australia. Non-endemic species are only included where it is considered that their survival is not sufficiently ensured elsewhere. Specht's (1974) survey has been an important source of data on the status of species in other states, but in many cases adequate data on the range of species outside South Australia was not available to the compilers.

Two serious doubts concern the publication of such a list. One is that it draws the attention of collectors to the very species which should not be collected. It is therefore emphasised that specimens of these species should not be collected except under very special circumstances and then only if the species' survival will not be further jeopardised.

The other doubt is that too much reliability will be placed on the list, resulting in other endangered species being ignored or safe species being excessively protected, on account of their being wrongly classified here. The list must be used with caution.

A principal aim of this list is to provide a basis for discussion and improvement. It is acknowledged that there are undoubtedly errors and that a greater field knowledge of many species is required to establish their conservation needs. The taxonomy of many genera is inadequately understood and future studies can be expected to add new species, while species which have been included may prove not to be distinct. As land uses develop species not now endangered will have to be added and conversely it is to be hoped that, especially through the efforts of the National Parks and Wildlife Service, species can in the future be deleted from the list. Both professional and amateur botanists in South Australia and other states are asked to submit suggestions for improving the list to the State Herbarium of South Australia. It is intended to publish revised lists as the need arises.

**List of endangered species of South Australian vascular plants compiled by the staff  
of the State Herbarium of South Australia.**

**Monocotyledons**

*Cyperaceae*

*Gahnia hystrix* J. M. Black

*Tetraria halmaturina* (J. M. Black) J. M. Black

*Liliaceae*

*Thysanotus fractiflexus* N. H. Britt.

*Orchidaceae*

*Caladenia congesta* R. Br.

*gladiolata* R. S. Rogers

*ovata* R. S. Rogers

*rigida* R. S. Rogers

*tutelata* R. S. Rogers

*Corybas fordhamii* (H. M. Rupp) H. M. Rupp

*Microtis orbicularis* R. S. Rogers

*Prasophyllum validum* R. S. Rogers

*Pterostylis cucullata* R. Br.

*Thelymitra epipactoides* F. Muell.

*matthewsii* Cheesem.

*truncata* R. S. Rogers

*Poaceae*

*Agrostis limitanea* J. M. Black

*Eragrostis infecunda* J. M. Black

*Festuca benthamiana* Vickery

*Poa halmaturina* J. M. Black

*umbricola* Vickery

*Stipa dura* J. M. Black

*multispiculis* J. M. Black

*nodosa* S. T. Blake

*plumigera* Hughes

*Restionaceae*

*Lepyrodia valliculae* J. M. Black

**Dicotyledons**

*Aizoaceae*

*Aizoon kochii* Wagner

*Sarcozona bicarinata* S. T. Blake

*Amaranthaceae*

*Hemichroa mesembryanthea* F. Muell.

*Ptilotus beckeranus* (F. Muell.) F. Muell. ex J. M. Black

*eichleranus* Benl

*robynsianus* Benl

*symonii* Benl

*Apiaceae*

*Hydrocotyle comocarpa* F. Muell.  
*crassiuscula* Tate

*Asteraceae*

*Achnophora tatei* F. Muell.  
*Angianthus phyllocalymmeus* (F. Muell.) Druce  
*Basedowia tenerrima* (F. Muell. & Tate) J. M. Black  
*Brachyscome muelleri* Sond.  
*Elachanthus glaber* P. G. Wils.  
*Helipterum oppositifolium* S. Moore  
*tenellum* Turcz.  
*Olearia microdisca* J. M. Black  
*stuartii* (F. Muell.) F. Muell. ex Benth.  
*subspicata* (Hook.) Benth.

*Chenopodiaceae*

*Atriplex cordifolia* J. M. Black  
*eichleri* Aellen  
*fasciculiflora* Aellen  
*kochiana* Maiden  
*macropterocarpa* (Aellen) Hj. Eichler  
*spongiivalvis* Aellen  
*Bassia aellenii* Ising  
*albolanata* Ising  
*caput-casuarii* Willis  
*cristata* Ising  
*eichleri* Ising  
*holtiana* Ising  
*lanata* Ising  
*nitida* Ising  
*wilsonii* Ising  
*Maireana cannonii* (J. M. Black) P. G. Wils.  
*melanocarpa* P. G. Wils.  
*Malacocera biflora* (R. Br.) F. Muell.

*Dilleniaceae*

*Hibbertia paeninsularis* J. M. Black

*Epacridaceae*

*Acrotriche halmaturina* Paterson  
*Conostephium halmaturinum* J. M. Black

*Euphorbiaceae*

*Poranthera triandra* J. M. Black

*Fabaceae*

*Pultenaea trifida* J. M. Black  
*trinervis* J. M. Black  
*viscidula* Tate  
*Sesbania viridis* J. M. Black

*Frankeniaceae*

- Frankenia angustipetala* Summerh.  
    *cinerea* A. DC.  
    *cordata* J. M. Black  
    *crispa* J. M. Black  
    *cupularis* Summerh.  
    *densa* Summerh.  
    *eremophila* Summerh.  
    *flabellata* Sprague  
    *granulata* J. M. Black  
    *hamata* Summerh.  
    *latior* Sprague & Summerh. ex Summerh.  
    *muscosa* J. M. Black  
    *orthotricha* (J. M. Black) J. M. Black  
    *plicata* Melville  
    *pseudo-flabellata* Summerh.  
    *speciosa* Summerh.  
    *subteres* Summerh.

*Haloragaceae*

- Haloragis eichleri* Orchard

*Lamiaceae*

- Prostanthera eurybioides* F. Muell.  
    *serpyllifolia* (R. Br.) Briq.

*Mimosaceae*

- Acacia barattensis* J. M. Black  
    *dodonaefolia* Willd. & Spreng.  
    *gillii* Maiden & Blakely  
    *imbricata* F. Muell.  
    *menzelii* J. M. Black  
    *pinguifolia* J. M. Black  
    *quornensis* J. M. Black  
    *randeliana* Fitzg.  
    *rhygiophylla* F. Muell. ex Benth.  
    *wattsiana* F. Muell. ex Benth.

*Myoporaceae*

- Eremophila pentaptera* J. M. Black  
    *santalina* F. Muell.  
*Myoporum brevipes* Benth.  
    *refractum* Maiden & Betche

*Myrtaceae*

- Darwinia homoranthoides* (F. Muell.) J. M. Black  
*Eucalyptus cneorifolia* DC.  
    *remota* Blakely  
*Melaleuca corrugata* J. M. Black & Eardley  
    *monticola* J. M. Black

*Pittosporaceae*

- Cheiranthra volubilis* Benth.

*Portulacaceae*

- Calandrinia dipetala J. M. Black  
disperma J. M. Black  
sphaerophylla J. M. Black

*Proteaceae*

- Grevillea parallelinervis Carrick  
rogersii Maiden  
umbellifera J. M. Black  
Petrophila multisecta F. Muell.

*Rhamnaceae*

- Cryptandra uncinata (F. Muell. ex Baill.) Gruning

*Rutaceae*

- Phebalium hillebrandii Willis

*Sapindaceae*

- Dodonaea tepperi F. Muell. ex Radlk.

*Scrophulariaceae*

- Euphrasia scabra R.Br.

*Stackhousiaceae*

- Stackhousia annua Barker

*Thymelaeaceae*

- Pimelea macrostegia (Benth.) J. M. Black

*Zygophyllaceae*

- Zygophyllum hybridum Tate  
kochii Tate

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**Reference**

- Specht, T. L., Roe, E. M. & Broughton, V. H. (ed.) (1974). Conservation of major plant communities in Australia and Papua New Guinea. *Austral. J. Bot.* suppl. ser. 7.