ENDANGERED SPECIES IN THE SOUTH AUSTRALIAN NATIVE VASCULAR FLORA

John P. Jessop (ed.)
State Herbarium, Botanic Gardens, North Terrace, Adelaide, South Australia 5000

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 mesembryanthema F. Muell.
Ptilotus beckeranus (F. Muell.) F. Muell. ex J. M. Black
eichleranus Benl
robynianus Benl
symonii Benl
Endangered species in South Australia.

**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.
latiior 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
dodonaeifolia Wild. & Spreng.
gilli Maiden & Blakely
imbricata F. Muell.
menzeli J. M. Black
pinguifolia J. M. Black
quornensis J. M. Black
randeliana Fitzg.
rhigiophylla F. Muell. ex Benth.
wattsiana F. Muell. ex Benth.

Myoporaceae
Eremophila pentaptera J. M. Black
santalina F. Muell.
Myoporum brevipes Benth.
retractum Maiden & Betch

Myrtaceae
Darwinia homoranthoides (F. Muell.) J. M. Black
Eucalyptus cneorifolia DC.
remota Blakely

Pittosporaceae
Cheiranthera volubilis Benth.
Endangered species in South Australia.

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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