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NORTHERN AGRICULTURAL REGION



The Northern Agricultural Region (NAR) contains two of Australia's 15 biodiversity hotspots, and is part of the internationally recognised Southwest Australia Biodiversity Hotspot. It is Australia's only international hotspot, recognised worldwide for its wealth of natural diversity, particularly in plants, and therefore conservation of this globally significant area is crucial.

Within the NAR, high levels of biodiversity contribute to the long-term health of the agricultural sector through provision of essential ecosystem services. It is also valuable for health and wellbeing and contributes to tourism and the beauty of the NAR. Losing biodiversity threatens the health of the environment, economic productivity for farmers and local communities.

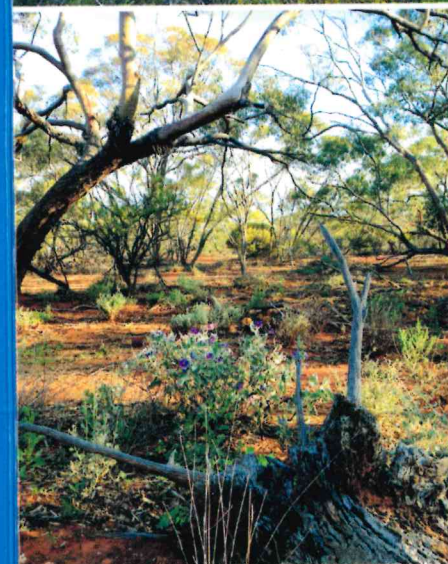
More than 4,196 native plant taxa occur within the NAR, of which around 821 (20 per cent) are endemic. Within the NAR, there are currently more than 120 plant species listed as threatened under both the Environmental Protection and Biodiversity Act, 1999 and Western Australia's Wildlife Conservation Act, 1950.

This guide provides names, photographs and descriptions of more than 80 threatened flora that occur across the NAR. A full list of the regions' threatened flora, can be obtained by contacting the Northern Agricultural Catchments Council.

THREATENED FLORA - YOUR GUIDE TO THREATENED FLORA OF THE NORTHERN AGRICULTURAL REGION

Threatened FLORA

YOUR GUIDE TO THREATENED FLORA OF THE NORTHERN AGRICULTURAL REGION



NORTHAMPTON/KALBARRI



Androcalva bivillosa
Strangling Androcalva
Description: Low prostrate shrub
Flowering: Aug-Nov
Rank: VU, VU



Beyeria lepidopetala
Small-petalled Beyeria
Description: Open shrub to 0.5 m high
Flowering: Jul-Aug
Rank: VU, EN



Caladenia bryceana subsp. *cracens*
Northern Dwarf Spider Orchid
Description: Orchid to 8 cm
Flowering: Aug-Oct
Rank: VU, VU



Caladenia elegans
Elegant Spider Orchid
Description: Orchid 20 to 30 cm high
Flowering: Jul-Aug
Rank: GR, EN



Caladenia wanosa
Kalbarri Spider Orchid
Description: Orchid 3 to 8 cm high
Flowering: Aug-Sep
Rank: EN, VU



Drakaea concolor
Kneeling Hammer Orchid
Description: Orchid 25 to 30 cm high
Flowering: Aug-Sep
Rank: EN, VU



Eucalyptus beardiana
Beard's Mallee
Description: Mallee 3 to 5 m high, bark smooth
Flowering: Aug-Sep
Rank: EN, VU



Lechenaultia chlorantha
Kalbarri Lechenaultia
Description: Shrub to 30 cm high
Flowering: Aug-Sep
Rank: EN, VU



Pterostylis sinuata
Northampton Midget Greenhood
Description: Orchid 5 to 10 cm high
Flowering: Jul-Aug
Rank: CR, EN

GERALDTON



Caladenia hoffmanii
Hoffman's Spider Orchid
Description: Orchid 13 to 30 cm high
Flowering: Aug-Sept
Rank: EN, EN



Conostylis dielsii subsp. *teres*
Irwin Conostylis
Description: Tufted perennial herb 13 to 33 cm high
Flowering: Jul-Aug
Rank: VU, EN



Conostylis micrantha
Small Flowered Conostylis
Description: Tufted perennial herb 13 to 24 cm high
Flowering: Jul-Aug
Rank: VU, EN



Drummondita ericoides
Morseby Range Drummondita
Description: Erect shrub 0.3 to 1 m high
Flowering: Sep-Oct
Rank: VU, EN



Eucalyptus cuprea
Mallee Box
Description: Mallee 2.5 to 5 m high, bark rough to 1.5m
Flowering: Aug-Nov
Rank: CR, EN



Grevillea bracteosa subsp. *howatharra*
Description: Spreading shrub 0.5 to 2 m high
Flowering: Aug-Nov
Rank: CR



Grevillea phanerophlebia
Veined-leaf Grevillea
Description: Shrub 0.9 to 1.5 m high.
Flowering: Aug-Oct
Rank: CR



Leucopogon marginatus
Thick-margined Leucopogon
Description: Erect shrub 0.4 to 1 m high
Flowering: Jul-Aug
Rank: EN, EN



Leucopogon nitidus
Hidden Beard Heath
Description: Shrub to 1 m high
Flowering: Jul-Aug
Rank: EN, EN

MULLEWA/MORAWA/PERENJORI



Androcalva adenothallia
Description: Low prostrate shrub
Flowering: Aug
Rank: CR



Dasymalla axillaris
Description: Small shrub 15 to 30 cm high.
Flowering: Aug-Oct
Rank: CR, CR



Eremophila rostrata subsp. *trifida*
Southern Beaked Eremophila
Description: Upright shrub to 3 m high
Flowering: Sep-Oct
Rank: CR, CR



Eremophila viscida
Varnish Bush
Description: Upright shrub 1.2 to 4 m high
Flowering: Sep-Nov
Rank: EN, EN



Eucalyptus synandra
Jingymia Mallee
Description: Mallee 3.5 to 10 m high, bark smooth
Flowering: Aug-Mar
Rank: VU, VU



Gyrostemon reticulatus
Net-veined Gyrostemon
Description: Low shrub to 1 m high
Flowering: Jul-Dec
Rank: CR, CR



Stylidium amabile
Description: Perennial rosetted herb 6 to 23 cm high
Flowering: Sep-Oct
Rank: CR



Stylidium wilroyense
Description: Tufted perennial herb, 30 to 45 cm high
Flowering: Sep-Oct
Rank: CR



Tecticornia bulbosa
Large-articed Samphire
Description: Sprawling shrub to 1 m high and 2 to 3 m wide
Flowering: Apr
Rank: VU, VU

MINGENew/THREE SPRINGS



Daviesia bursarioides
Three Springs Daviesia
Description: Straggling shrub to 2 m high
Flowering: Jun-Sep
Rank: CR, EN



Daviesia speciosa
Beautiful Daviesia
Description: Many-stemmed shrub to 0.8 m high
Flowering: Apr-May
Rank: EN, EN



Eremophila nivea
Silky Eremophila
Description: Soft grey shrub 1 to 2 m high
Flowering: Aug-Oct
Rank: CR, EN



Eucalyptus pruiniramis
Midlands Gum
Description: Mallee or tree, 2.5 to 7 m high, bark rough & ribbony at base, smooth above
Flowering: Dec
Rank: EN, EN



Grevillea murex
Shell-fruited Grevillea
Description: Spreading shrub 1 to 2.5 m high
Flowering: Aug-Oct
Rank: EN, EN



Schoenia filifolia subsp. *subulifolia*
Description: Annual paper daisy to 50 cm high
Flowering: Sep-Oct
Rank: EN, EN



Verticordia albida
White Featherflower
Description: Upright shrub 0.3 to 3 m high
Flowering: Nov-Dec/Jan
Rank: CR, EN



Verticordia spicata subsp. *squamosa*
Scaly-leaved Featherflower
Description: Compact shrub to 1 m high
Flowering: Nov-Dec
Rank: CR, EN



Wurmbea tubulosa
Long-flowered Nancy
Description: Small annual herb up to 30 cm high
Flowering: Jun-Aug
Rank: VU, EN

COOROW/CARNAMAH



Acacia aprica
Blunt Wattle

Description: Spreading shrub
0.3 to 2 m
Flowering: Jun-Jul
Rank: CR, EN



Caladenia drakeoides
Hinged Dragon Orchid

Description: Orchid to 0.3 m
Flowering: Sep-Oct
Rank: CR, EN



Chorizema humile
Prostrate Flame Pea
Description: Prostrate ground cover
Flowering: Jul-Sep
Rank: CR, EN



Darwinia chapmaniana
Chapman's Bell

Description: Low domed
spreading shrub
Flowering: Sep-Nov
Rank: VU, EN



Darwinia polychroma
Harlequin Bell

Description: Low spreading
shrub to 1.2 m tall
Flowering: Jul-Sep
Rank: EN, EN



Eremophila koobabbiensis
Koobabbie eremophila
Description: Erect shrub to
1.5 m high
Flowering: Oct-Nov
Rank: CR, CR



Eremophila vernicosa
Resinous Poverty Bush
Description: Erect spreading
shrub to 50 cm high
Flowering: Sept
Rank: VU, VU



Hensmania chapmanii
Chapman's Hensmannia
Description: Tufted perennial
herb to 0.3 m high
Flowering: Dec-Jan
Rank: VU, VU



Ptilotus fasciculatus
Fitzgerald's Mulla-mulla
Description: Mat-forming
perennial herb
Flowering: Sep-Nov
Rank: EN, EN

ENEABBA



Eremophila glabra subsp.
chlorella

Description: Sprawling shrub
to 1 m high
Flowering: Jul-Nov
Rank: CR



Eremophila microtheca subsp.
narrow leaves

Description: Erect heath-like
shrub to 1.6 m high
Flowering: Jul-Sep
Rank: CR



Eucalyptus impensa
Eneabba Mallee
Description: Straggly mallee to
1.5 m high
Flowering: Jun-Jul
Rank: CR, EN



Grevillea althoferorum subsp.
althoferorum

Split-leaved Grevillea
Description: Low shrub to 0.5m
high with spreading branches
Flowering: Aug-Oct
Rank: CR, EN



Hakea megalosperma
Lesueur Hakea

Description: Spreading
lignotuberous shrub 1 to
2 m high
Flowering: May-Jun
Rank: VU, VU



Leucopogon obtectus
Description: Erect open shrub
to 1.5 m high
Flowering: Aug-Oct
Rank: EN, EN



Paracaleana dixonii
Sandplain Duck Orchid
Description: Orchid to 0.2 m
Flowering: Oct-Dec /Jan
Rank: VU, EN



Petrophile nivea
Description: Erect rigid shrub to
0.6 m high
Flowering: May-Jul
Rank: VU



Tetratheca nephelioides
Description: Dwarf shrub to
0.3 m high
Flowering: Sep
Rank: EN, CR

LESUEUR/JURIEN BAY



Acacia forrestiana
Forrest's Wattle

Description: Erect prickly shrub to 1 m high
Flowering: Nov-Dec
Rank: VU, VU



Acacia wilsonii
Wilson's wattle

Description: Low wiry shrub to 0.5m high
Flowering: Nov-May
Rank: EN



Eucalyptus johnsoniana
Johnson's Mallee

Description: Mallee to 3.5 m high, bark flaky to 0.5 m then smooth.
Flowering: Various
Rank: VU, VU



Eucalyptus lateritica
Mt Michaud Mallee

Description: Mallee 2 to 3 m high, bark rough at base
Flowering: Aug-Oct
Rank: EN, VU



Eucalyptus suberea
Cork Mallee

Description: Mallee 1 to 4 m high, bark rough & flaky
Flowering: Nov-Dec/Jan
Rank: VU, VU



Grevillea batrachoides
Mt Lesueur Grevillea

Description: Upright shrub to 2 m tall
Flowering: Oct
Rank: CR, EN



Grevillea humifusa
Spreading Grevillea

Description: Prostrate to decumbent lignotuberous shrub
Flowering: Sep-Nov
Rank: CR, EN



Hemiantra gardneri
Red Snakebush

Description: Prostrate shrub 0.2 m high and up to 1 m wide
Flowering: Aug-Oct
Rank: CR, EN



Thelymitra stellata
Star Sun Orchid

Description: Tuberous herb to 0.25 m high
Flowering: Oct-Nov
Rank: EN, EN

MOORA/WATHEROO



Acacia aristulata
Watheroo Wattle

Description: Erect or scrambling shrub to 1 m high
Flowering: Sep-Dec
Rank: EN, EN



Acacia cochlocarpa subsp. *cochlocarpa*
Spiral-fruited Wattle

Description: Sprawling glossy shrub to 0.7 m high
Flowering: Jun-Jul
Rank: CR, EN



Acacia vassalii
Vassal's Wattle

Description: Semi-prostrate shrub 0.15 to 0.3 m high
Flowering: Jun-Jul
Rank: CR, EN



Daviesia dielsii
Diels' Daviesia

Description: Low shrub 0.5 to 0.9 m high with spreading branches
Flowering: Jul
Rank: EN, EN



Eremophila scaberula
Rough Emu Bush

Description: Low shrub 0.15 to 1.5 m high
Flowering: Aug-Oct
Rank: CR, EN



Gastrolobium hamulosum
Hook-point Poison

Description: Low shrub 20 to 45 cm high
Flowering: Aug-Oct
Rank: CR, EN



Grevillea christineae
Christine's Grevillea

Description: Erect wiry shrub to 60 cm high
Flowering: Aug-Sep
Rank: EN, EN



Jacksonia pungens
Pungent Jacksonia

Description: Domed grey shrub 0.3 to 1 m high
Flowering: Oct-Jan
Rank: CR, EN



Synaphea quartzitica
Quartz-loving Synaphea

Description: Low sub-shrub with several stems
Flowering: Jul-Aug
Rank: EN, EN

DANDARAGAN/CATABY



Acacia splendens
Dandaragan Wattle

Description: Tree or shrub to 8 m high
Flowering: May
Rank: EN, EN



Andersonia gracilis
Slender Andersonia

Description: Slender erect or open straggly shrub
Flowering: Sep-Nov
Rank: VU, EN



Anigozanthos viridis subsp. *terraspectans*

Description: Perennial herb to 0.2 m high
Flowering: Aug-Sep
Rank: VU, VU



Chamelaucium sp. *Cataby*
Griffin's Wax Flower

Description: Small spreading shrub to 50 cm high
Flowering: Jun-Oct
Rank: VU, VU



Eleocharis keigheryi
Keighery's Eleocharis

Description: Clumped perennial grass-like sedge to 0.4 m high
Flowering: Aug-Nov
Rank: VU, VU



Eucalyptus dolorosa
Dandaragan Mallee

Description: Mallee to 3 m high
Flowering: Feb-Mar
Rank: CR, EN



Grevillea calliantha
Foote's Grevillea

Description: Spreading flat-topped shrub 0.9 to 2.5 m high
Flowering: Jun-Aug
Rank: CR, EN



Macarthuria keigheryi
Keighery's Macarthuria

Description: Herb or shrub to 0.4 m high
Flowering: Sept-Dec/Feb-Mar
Rank: EN, EN



Ptychosema pusillum
Dwarf Pea

Description: Perennial herb mostly 0.1 m high
Flowering: Aug-Oct
Rank: VU, VU

CONTACTS

Exploring the flora of the Northern Agricultural Region is not only enjoyable and exciting, but can contribute to the conservation of our unique flora. Threatened flora are generally known from a relatively small area, although it is possible that more populations may be found in nearby areas which have not previously been surveyed.

If you think you have seen any of these plants, please call the Department of Parks and Wildlife's Geraldton District on (08) 9964 0901 or Moora District on (08) 9688 6022. If possible please record and provide information about the plant's location, GPS coordinates, photographs, plus any obvious threats. Please do not collect a specimen of the plant unless you have obtained a licence from the Department of Parks and Wildlife.

You can also contribute to the conservation of our flora by helping reduce the spread of Phytophthora Dieback. This plant disease is devastating the flora of the Southwest of WA and is a significant threat to the NAR region. This disease can be spread by the movement of infected soil and plant material. Please help prevent its spread by cleaning your vehicle before entering bushland, sticking to tracks and staying out of closed or quarantined areas.

Note: Threatened species are ranked according to their risk of extinction: Critically Endangered (CR), Endangered (EN) or Vulnerable (VU). These are shown on this brochure in the order of Western Australian then Federal rankings.



Department of
Parks and Wildlife



For more information about the region's
unique flora please contact

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