

APACE

Revegetation Catalogue

Herdsman Vegetation Complex



**Apace Aid Inc.
2019**

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APACE is a non-profit, community-based organisation located on one hectare of land adjacent to the banks of the Swan River in North Fremantle. The offices are housed in historic Winter House, built in the 1880's and restored by a community project in the early 1980's. APACE WA has been resident at Winter House since 1983.

Activities undertaken by APACE WA include:

- The APACE Revegetation Nursery specialises in the propagation and supply of plant species indigenous to the Swan Coastal Plain and the Darling Range. Plants from the nursery are used in revegetation and landscaping projects throughout the Perth metropolitan region. The nursery is accredited with the Nursery Industry Association and all stock is grown under strict hygienic conditions.
Each year the nursery produces more than four hundred thousand plants and provides a selection of two hundred and eighty different species that are generally unavailable elsewhere. The APACE nursery was the first West Australian nursery to bring into cultivation a range of common rush and sedge species for wetlands revegetation projects.
- Consultancy services are provided in landscape architecture, revegetation design and site rehabilitation, including species selection, remedial works, weed eradication and other management issues. Flora and fauna surveys, where required, are also conducted. Clients have included government departments, local government, schools and community groups.
- APACE provides a comprehensive project management and implementation service. We have been involved in project management of many large-scale revegetation projects. We can offer services in landscape architecture, project design, seed collection, planting, fencing and follow-up maintenance works. We also undertake a variety of construction projects. Previous projects have included bird hides, boardwalks and dunal fencing.
- For the past fourteen years APACE has been providing education and training programmes for the community. Many of these programmes have had an environmental focus and have been conducted by APACE AID throughout Western Australia.

APACE offers two special courses to assist people with revegetation—"Introduction to Bush Regeneration" and "Seed Collection of West Australian Native Plants". Both courses include practical components and provide an excellent introduction to bush regeneration techniques and practices.

Other courses offered include Plant Propagation, Hand & Power Tools, Park Furniture, Plant Identification and Nursery Practices.

APACE COMMUNITY REVEGETATION NURSERY



Contracts

All plant species shown in the catalogue are propagated in preparation for the planting season (May to August). Contract orders are welcome. Orders can be placed at any time, however to secure supply of your preferred species it is advisable to order up to six months prior to planting.

Species not shown in the catalogue but that are required can be grown on a contract basis.

Wherever possible species are grown from local provenance seed. A seed collection service is available should you require plants to be grown from local seed.

Recycling

All plastic pots and trays can be returned to the nursery for re-cycling, where they are washed and disinfected before re-use.

How to use the Catalogue

Many of our Western Australian plants are difficult, if not impossible to propagate. The lists shown in this publication are refined from the total plant species that grow on the Swan Coastal Plain and Western Darling Range. These refinements are made after considering the following factors:

- Seed and cutting material available
- Plants can be produced in commercial quantities
- No annual and ephemeral species are included

With the advent of smoke-induced germination we have seen an increase in the numbers of species brought into commercial cultivation. These numbers are likely to increase still further with continued research.

This catalogue presents the plant species in lists according to the soil types in which they naturally occur. A map indicating the locations of the different soil types is included to assist with project area identification. The lists are formed from those species that are currently able to be cultivated and for which seed and cutting material are available. A total list of species is included at the end of the catalogue. Common names shown in inverted commas, such as “Mooja”, are Aboriginal names. Sizes shown are median sizes (in metres). The ranges of flowering times are shown in months. Flower colours are also indicated.

Species suitable for use in direct seeding projects are also included. The seed of the species listed have a high viability and should produce good germination results in direct seeding programmes. Species indicated with an “■” require scarification.

Notes on Soil Types

The map on the following page shows the different soil types of the Swan Coastal Plain.

The soils of the Quindalup Dune System, Cottesloe and Karrakatta soil associations and the Bassendean Dune system are termed ‘aeolian’ and are named after the Greek god of the wind, *Aeolus*. Aeolian soils are deposited on the coast by the ocean and then transported by the wind to form dunes. The Quindalup dunes, being the furthest west are the youngest at approximately 0 to 7,000 years, while the Bassendean dunes are the oldest at approximately 118,000 to 225,000 years.

Within this band of dunes is a system of north—south trending lakes and swamps, which have a surrounding peaty soil known as Herdsman soils. Yoongarillup soils on the other hand are the

result of marine deposits and are found bordering Peel Inlet and Lakes Clifton and Preston and the Leschenault Inlet.

Alluvial soils are soils that have been washed and transported by water. On the Swan Coastal Plain these soils are termed Forrestfield, Guildford, Swan, Beermullah, Vasse and Yanga. Southern River soils are aeolian over alluvial and consist of Bassendean sands blown over Guildford and Forrestfield soils.

The Darling Range consists of a complex mosaic of soil types that are collectively known as Darling Range laterites. In the catalogue these have been identified as Darling Scarp and Darling plateau—laterite, granite and valleys.

Acknowledgments

The plant species arrived at in this catalogue have been obtained from the authors' experience and by reference to previous works by others. In particular the authors wish to acknowledge the work of Powell and Emberson in *Growing Locals—gardening with local plants in Perth*. This publication systematically lists the location of approximately 1,500 native plants in the Perth region and we recommend it to the reader. We would also like to acknowledge Havell in Forest Department Bulletin, numbers 86 and 87. All errors and omissions remain of course the responsibility of the authors. All comments will be gratefully appreciated.

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MAP

Swan Coastal Plain Soil Types

Aeolian Soils

Quindalup



Cottesloe



Herdsmen



Karrakatta



Bassendean



Aeolian over Alluvial

Southern River

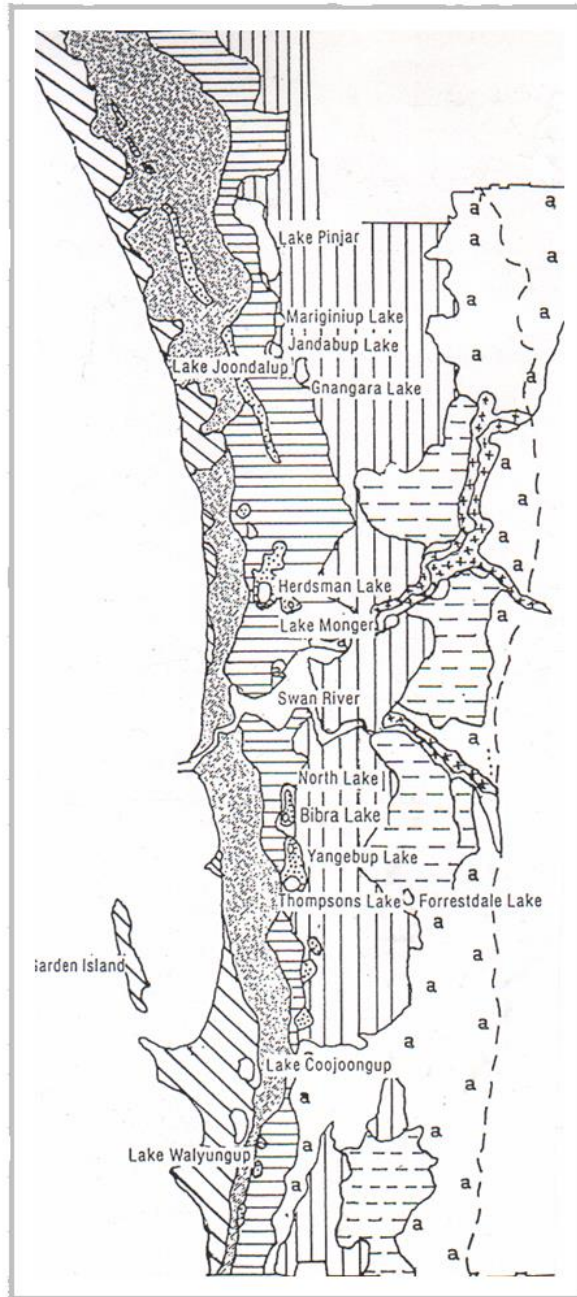


Alluvial

Swan



Other Alluvial



Adapted from "The Atlas of Natural Resources: Darling System, Western Australia" (WA Department of Conservation and Environment). In "Leaf and Branch: Trees & Tall Shrubs of Perth" by Robert Powell, CALM Perth (1991), p. 14.

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HERDSMAN VEGETATION COMPLEX

Genus	Species	Common Name	Size	Flowers	Colour
<i>Acacia</i>	<i>cyclops</i>	Red Eyed Wattle	3.0	Sept-Jan	yellow
<i>Acacia</i>	<i>pulchella</i>	Prickly Moses	2.0	Jun-Oct	yellow
<i>Acacia</i>	<i>saligna</i>	Coojong	6.0	Aug-Oct	yellow
<i>Anigozanthos</i>	<i>humilis</i>	Catspaw	0.5	Aug-Oct	yellow/red
<i>Aotus</i>	<i>gracillima</i>		1.0	Oct-Nov	yellow
<i>Astartea</i>	<i>scoparia</i>		1.5	Dec-Feb	pink
<i>Banksia</i>	<i>littoralis</i>	Swamp Banksia	10.0	May-Jul	yellow
<i>Baumea</i>	<i>articulata</i>	Jointed Twig -rush	2.5	Sep-Dec	brown
<i>Baumea</i>	<i>juncea</i>	Bare Twig-rush	1.0	Oct-Jan	brown
<i>Baumea</i>	<i>preissii</i>	Broad Twig Sedge	1.0	Sept-Oct	brown
<i>Baumea</i>	<i>vaginalis</i>	Sheath Twig Sedge	1.2	Oct-Nov	brown
<i>Beaufortia</i>	<i>elegans</i>	Elegant Beaufortia	1.0	Nov-Feb	purple
<i>Bolboschoenus</i>	<i>caldwellii</i>	Marsh Club-rush	1.0	Aug-Nov	brown
<i>Brachyscome</i>	<i>iberidifolia</i>	Swan River Daisy	low	Aug-May	blue
<i>Burchardia</i>	<i>multiflora</i>	Dwarf Burchardia	low	Jul-Oct	pink
<i>Carex</i>	<i>appressa</i>	Tall sedge	1.5	Sept-Oct	brown
<i>Carex</i>	<i>fascicularis</i>	Tassell Sedge	1.5	Sept-Nov	brown
<i>Centella</i>	<i>asiatica</i>	Centella	0.1	All Year	pink
<i>Chamaescilla</i>	<i>corymbosa</i>	Blue Squill	0.3	Aug-Oct	blue
<i>Corymbia</i>	<i>calophylla</i>	Marri	35.0	Jan-May	white
<i>Dianella</i>	<i>revoluta</i>	Flax Lily	1.0	Jun-Aug	purple
<i>Dielsia</i>	<i>stenostachya</i>		0.6	Feb-May	brown
<i>Dodonaea</i>	<i>hackettiana</i>	Perth Hopbush	4.0	Jul-Oct	green
<i>Eucalyptus</i>	<i>gomphocephala</i>	Tuart	40.0	Jan-Apr	cream
<i>Goodenia</i>	<i>filiformis</i>	Slender Goodenia	0.4	Sept-Jan	yellow
<i>Gyrostemon</i>	<i>ramulosus</i>	Corkybark	4.0	May-Oct	white
<i>Haemodorum</i>	<i>laxum</i>	Bloodroot	0.5	Nov	black
<i>Hakea</i>	<i>prostrata</i>	Harsh Hakea	3.0	Aug-Nov	white
<i>Hakea</i>	<i>varia</i>	Variable Leaved Hakea	3.0	Jul-Oct	white
<i>Hypocalymma</i>	<i>angustifolium</i>	White Myrtle	1.0	Jul-Oct	white
<i>Isolepis</i>	<i>cernua</i>	Nodding Club-rush	0.2	All Year	
<i>Jacksonia</i>	<i>furcellata</i>	Grey Stinkwood	3.0	Aug-Mar	yellow
<i>Juncus</i>	<i>kraussii</i>	Sea Rush	1.5	Nov-Dec	brown
<i>Juncus</i>	<i>pallidus</i>	Giant Rush	2.0	Oct-Nov	white
<i>Kunzea</i>	<i>ericifolia</i>	Spear Wood	3.0	Sept-Nov	yellow
<i>Meeboldina</i>	<i>coangustata</i>		1.0	Aug-Oct	brown
<i>Lobelia</i>	<i>alata</i>	Angled Lobelia	0.3	Mar-Apr	blue
<i>Logania</i>	<i>vaginalis</i>	White Spray	2.0	Aug-Nov	white
<i>Melaleuca</i>	<i>cuticularis</i>	Saltwater Paperbark	7.0	Sept-Nov	cream
<i>Melaleuca</i>	<i>polygaloides</i>		3.0	Jul-Oct	yellow
<i>Melaleuca</i>	<i>preissiana</i>	"Modong"	10.0	Nov-Jan	white
<i>Melaleuca</i>	<i>rhaphiophylla</i>	Swamp Paperbark	8.0	Sept-Jan	white
<i>Melaleuca</i>	<i>teretifolia</i>	"Banbar"	4.0	Oct-Jan	white
<i>Melaleuca</i>	<i>thymoides</i>		1.0	Sept-Jan	yellow
<i>Myoporum</i>	<i>caprarioides</i>	Slender Myoporum	1.5	All Year	white
<i>Gastrolobium</i>	<i>capitatum</i>	Bacon and Eggs	0.5	Jun-Sept	yellow

HERDSMAN VEGETATION COMPLEX

Genus	Species	Common Name	Size	Flowers	Colour
<i>Neurachne</i>	<i>alopeкуроidea</i>	Foxtail Mulga Grass	0.5	Aug-Nov	purple
<i>Oxylobium</i>	<i>lineare</i>	Narrow-leaved Oxylobium	2.0	Sept-Jan	yellow
<i>Paraserianthes</i>	<i>lophantha</i>	Albizzia	3.0	Aug-Sept	yellow
<i>Pultenaea</i>	<i>reticulata</i>		2.0	Aug-Nov	yellow/red
<i>Regelia</i>	<i>ciliata</i>		2.0	Nov-Feb	red
<i>Schoenoplectus</i>	<i>validus</i>	Lake Club-rush	2.0	Dec-Jan	
<i>Sphaerolobium</i>	<i>vimineum</i>	Leafless Globe Pea	0.6	Oct-Nov	orange
<i>Thysanotus</i>	<i>multiflorus</i>	Many Flowered Fringed Lily	0.5	Sept-Nov	purple
<i>Viminaria</i>	<i>juncea</i>	Swish Bush	4.0	Oct-Dec	yellow
<i>Xanthorrhoea</i>	<i>preissii</i>	Grass Tree	3.0	Nov-Jan	white

Notes



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