CM Ref: E25/8104

Indigo Parkway Road Linkage Project, Byford

1. Background

The Shire is constructing the Indigo Parkway road connection between Briggs Road to Larsen Road and Sansimeon Boulevard in Byford. The road link will require the clearing of 24 native trees (approximately 0.24 ha) across Lots 151 Larsen Road and 58 Briggs Road, Byford. The impacted land contains Black Cockatoo foraging values, is broadly representative of the Guildford Vegetation Complex, forms part of an existing offset area (CPS 6498/1), and is mapped as a Multiple Use Wetland (ID 16189).

2. Purpose

The purpose of this report is to present a Draft Revegetation and Landscape Concept Plan to accompany the Shire's native vegetation clearing application which demonstrates the Shire's commitment to an appropriate on-site rehabilitation approach. The objectives of the Draft Revegetation and Landscape Concept Plan are to:

- Provide an indicative area where the impacts of the project towards Black Cockatoo habitat values, the Guildford Vegetation Complex, existing offset area, and Multiple Use wetland can be sufficiently compensated via on-site rehabilitation,
- Outline the key activities that will be utilised to obtain rehabilitation credits and avoid the requirement for an environmental offset, including water management strategies, and
- Provide a timeline for the development of a formal Revegetation and Landscape Plan for the project.

3. Environmental Values

The revegetation and landscaping activities will occur primarily within the multiple use corridors (MUC) across four existing Lots in the project area, all of which encompass the Guildford vegetation complex and Multiple Use Wetland. Preliminary calculations utilising the offsets metric determined the minimum requirements for on-site rehabilitation were 0.24 ha for impacts to the Guildford vegetation complex and Multiple Use Wetland, 0.166 ha for the loss of a portion of the existing offset area (CPS 6498/1), and 0.24 ha for the loss of Black Cockatoo habitat values (Attachments 2-5). The proposed revegetation and landscape plan exceeds these minimum requirements as presented in Table 1.

Table 1. Environmental values, Lot number and area designated for revegetation and landscaping efforts

Lots	Environmental values present	Area to be revegetated and landscaped (ha)
Lot 151 Larsen Road	Conservation area, Black Cockatoo habitat, MU Wetland, Guildford vegetation complex	0.366
Lot 58 Briggs Road	MU Wetland, Guildford vegetation complex	0.261
Lot 57 Briggs Road	MU Wetland, Guildford vegetation complex	0.436
Lot 53 Briggs Road	MU Wetland, Guildford vegetation complex	0.078
	Total	1.141

The following sections provide an overview of the environmental values impacted by the project, along with a description of the Shire's proposed landscape and revegetation measures designed to compensate for these impacts.

3.1 *Black Cockatoo habitat*

The revegetation and landscaping area will incorporate suitable Black Cockatoo habitat to adequately compensate for the clearing of Black Cockatoo values as part of the project. The Shire's Cockatoo Action Plan has identified Lot 151 Larsen Rd as a priority location for on-site rehabilitation as a 'mixed revegetation area'. 'Mixed revegetation areas' are described as suitable areas for a mixture of either remnant bushland/cultivated garden beds with native tubestock planting, and public open space suitable for tree planting with either native or exotic tree species.

The Shire will apply its Urban and Rural Verge Policy Guidelines, along with the Black Cockatoo Action Plan (Murdoch University Black Cockatoo Conservation Management Project 2023) to guide the development of the Revegetation and Landscape Plan. This will ensure:

- The inclusion of preferred Black Cockatoo foraging tree species,
- Selection of vegetation suitable for road verge conditions, and
- Implementation of appropriate setback distances for foraging trees to support Black Cockatoo habitat requirements.

3.2 *Guildford Vegetation Complex*

The Shire will plant native vegetation representative of the Guildford Vegetation complex to compensate for the loss of native trees broadly representative of the impacted vegetation type. Appendix 1 outlines an indicative species list which will be used to inform the revegetation and landscaping planting palette.

3.3 *Existing Offset Area*

The project will impact approximately 0.166 hectares of Lot 151 Larsen Road, which was conditioned as an offset area under CPS 6498/1. This section includes 10 native trees (~0.1 ha). To address this impact, the Shire proposes to revegetate and rehabilitate approximately 0.366 hectares of degraded land within this Lot. This initiative aims to enhance ecological connectivity and improve the condition of native vegetation between the Oaklands drain and water channel to the south. Refer to Attachment 7 for further information.

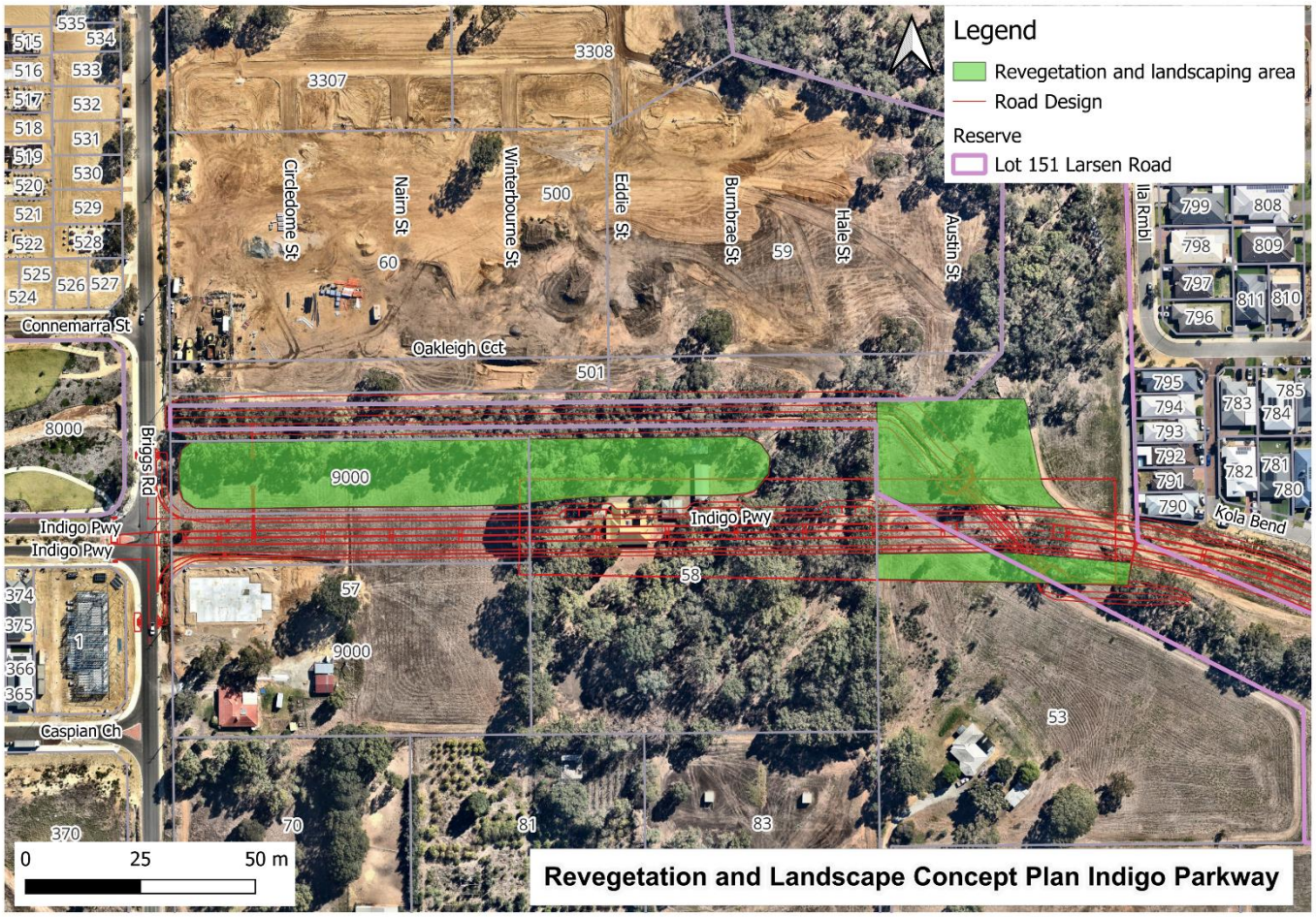
3.4 *Multiple Use Wetland*

The entire project area is mapped as a Multiple Use Wetland (ID 16189) of which approximately 0.24 ha is covered by native vegetation. The four lots designated for revegetation and landscaping include floodplain areas associated with the Oaklands drain and adjacent water channel. These areas present an opportunity to incorporate plant species representative of both upper and lower wetland environments, enhancing biodiversity diversity and improving water quality. In alignment with this initiative, the recommendations outlined in the Local Water Management Strategy for various Lots along Larsen Road and Briggs Road will be incorporated into the Landscape and Revegetation Plan. These include:

- The use of waterwise landscaping and efficient irrigation design,
- The retention of mature trees where possible to reduce the need to establish new vegetation in the POS which requires higher rates of irrigation,
- Stormwater runoff to be managed via soakwells and drainage basis to retain rainfall close to source and similar to pre-development conditions entering Oaklands Drain,
- Development excluded from the floodway,
- Post-development monitoring of groundwater quality,
- Regular maintenance of the drainage system to ensure functionality is optimised, and
- Development of an Urban Water Management Plan to provide a detailed description of how this will be achieved.

4. Concept Plan

Figure 1 below illustrates the Draft Landscape and Revegetation Concept Plan highlighting the primary landscaping areas associated with the project. These areas encompass the revegetation and landscaping components described above. Additional landscaping is also proposed within the central median islands and roundabouts to further enhance ecological connectivity across the site.



5. Timeline

The Shire proposes that a formalised Revegetation and Landscape Plan will be submitted to DWER for feedback and finalised to meet the Department's satisfaction within 6-12 months of receiving the native vegetation clearing permit. Implementation of the Revegetation and Landscape Plan is proposed to commence within a 12 month time-frame following the completion of construction activities in the 2027/2028 financial year.

6. References

360 Environmental (2020), Local Water Management Strategy – Various Lots Larsen Road and Briggs Road, Byford.

Murdoch University Black Cockatoo Conservation Management Project (2023), *Shire of Serpentine Jarrahdale Black Cockatoo Conservation Action Plan*, *Keep Carnaby's Flying – Ngoolarks Forever* project, Murdoch University.

7. Appendices

Appendix 1. Pinjarra/Guildford Vegetation Complex flora list for the Shire of Serpentine Jarrahdale

Pinjarra/Guildford vegetation complex flora list for the Shire of Serpentine Jarrahdale

Pinjarra/Guildford complex

List of plant species recorded in the Shire of Serpentine Jarrahdale in the Pinjarra/Guildford vegetation complex.

Note: This is not a complete list. It is likely that some species will not have been recorded in the surveys from which this list was compiled, and other groups of species have been omitted (including parasitic plants, *Drosera*, *Stylidium*, and orchids), due to difficulty in sourcing or propagation.

Highlighting = available in nurseries

Note: This means that the species is listed by one or more of the larger native nurseries. It is likely that most of the species on the list could be propagated with sufficient notice.

Genus	species	Plant form/comments	Common name	Approx. height (m)	Dry areas	Wet areas
Acacia	*alata*	Shrub	Winged wattle	0.3 – 2.1	X	
Acacia	*applanata*	Shrub	Grass wattle	0.1 - 0.5	X	X
Acacia	*dentifera*	Shrub	Toothed wattle	0.6 - 3	X	X
Acacia	*drewiana*	Shrub		0.15 - 0.9	X	
Acacia	*drummondii*	Shrub	Drummond's wattle	0.3 - 1	X	
Acacia	*huegelii*	Shrub		0.2 - 1	X	X
Acacia	*incurva*	Shrub		0.2 - 0.5	X	X
Acacia	*lasiocarpa*	Shrub/P1	Dune moses/Panjang	0.15 - 1.5	X	X
Acacia	*preissiana*	Shrub		0.05 – 0.35	X	
Acacia	*pulchella*	Shrub	Prickly moses	0.3 - 3	X	
Acacia	*rostellifera*	Shrub	Summer-scented wattle	1 - 6	X	
Acacia	*saligna*	Shrub	Golden wreath/Orange wattle	1.5 - 6	X	X
Acacia	*sessilis*	Shrub		0.3 - 1	X	X
Acacia	*stenoptera*	Shrub	Narrow winged wattle	0.2 - 0.7	X	X
Acacia	*teretifolia*	Shrub		0.2 - 0.5	X	
Acacia	*willdenowiana*	Shrub	Grass wattle	0.3 - 0.6	X	X
Actinostrobus	*pyramidalis*	Shrub	Swamp cypress	to 4	X	X
Adenanthos	*cygnorum*	Shrub	Common woollybush	0.8 - 4	X	
Adenanthos	*meisneri*	Shrub		0.2 - 1.5	X	X
Adenanthos	*obovatus*	Shrub	Basket flower	0.3 - 1.5	X	X
Adiantum	*aethiopicum*	Herb/fern	Common maidenhair	0.1 – 0.35		X
Agrostocrinum	*hirsutum*	Herb		to 0.6	X	
Agrostocrinum	*scabrum*	Herb	Blue grass lily	to 1	X	X
Allocasuarina	*fraseriana*	Tree	Sheoak	5 - 15	X	
Allocasuarina	*humilis*	Shrub	Dwarf sheoak	0.2 - 2	X	X
Allocasuarina	*microstachya*	Shrub		0.1 - 1	X	X
Alternanthera	*nodiflora*	Herb	Common joyweed	0.02 - 1		X
Amphibromus	*nervosus*	Grass		to 1.25		X
Amphipogon	*debilis*	Grass		0.25 - 0.35	X	X
Amphipogon	*laguroides*	Grass		to 0.55	X	
Amphipogon	*turbinatus*	Grass		0.2 - 0.8	X	
Andersonia	*caerulea*	Shrub	Foxtails	0.05 - 1	X	
Angianthus	*drummondii*	Herb/P3		to 0.1		X
Anigozanthos	*bicolor*	Herb	Little kangaroo paw	0.05 – 0.6	X	
Anigozanthos	*humilis*	Herb	Catspaw	0.1 - 1	X	
Anigozanthos	*manglesii*	Herb	Mangles kangaroo paw	0.2 - 1.1	X	X
Anigozanthos	*viridis*	Herb	Green kangaroo paw	0.05 - 0.85	X	X
Anthotium	*junciforme*	Herb/P4		0.05 – 0.4		X
Aotus	*gracillima*	Shrub		0.6 - 2		X
Aotus	*procumbens*	Shrub		to 0.5	X	X

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Pinjarra/Guildford vegetation complex flora list for the Shire of Serpentine Jarrahdale

Genus	species	Plant form/comments	Common name	Approx. height (m)	Dry areas	Wet areas
Aphelia	*cyperoides*	Sedge		0.02 - 0.11	X	X
Aphelia	*nutans*	Sedge		to 0.025		X
Aponogeton	*hexapetalus*	Herb/aquatic/P4	Stalked water ribbons			X
Astartea	*affinis*	Shrub		to 3		X
Astartea	*fascicularis*	Shrub		0.3 - 3	X	X
Astroloma	*ciliatum*	Shrub	Candle cranberry	0.05 - 0.3	X	
Astroloma	*pallidum*	Shrub	Kick bush	0.05 - 0.3	X	X
Austrodanthonia	*caespitosa*	Grass	Common wallaby grass	0.15 - 0.9	X	X
Austrodanthonia	*occidentalis*	Grass		0.15 - 0.6	X	
Austrodanthonia	*pilosa*	Grass		0.2 - 0.9	X	X
Austrostipa	*campylachne*	Grass		0.4 - 1	X	X
Austrostipa	*compressa*	Grass		0.15 - 0.7	X	
Austrostipa	*elegantissima*	Grass	Feather speargrass	0.35 - 2	X	
Austrostipa	*semibarbata*	Grass		0.3 - 1.1	X	
Baeckea	*camphorosmae*	Shrub	Camphor myrtle	0.2 - 0.5	X	X
Banksia	*attenuata*	Tree	Slender banksia	0.4 - 10	X	X
Banksia	*bipinnatifida*	Shrub/was *Dryandra*		0.1 – 0.3	X	X
Banksia	*dallanneyi*	Shrub/was *Dryandra lindleyana*	Couch honeypot	to 3	X	
Banksia	*grandis*	Tree	Bull banksia	1.5 - 10	X	
Banksia	*ilicifolia*	Tree	Holly-leaved banksia	to 12	X	X
Banksia	*littoralis*	Tree	Swamp banksia	1.5 - 12		X
Banksia	*menziesii*	Tree	Firewood banksia	1.3 - 7	X	X
Banksia	*nivea*	Shrub/was *Dryandra*	Couch honeypot	0.15 – 1.5	X	X
Banksia	*sessilis*	Shrub/was *Dryandra*	Parrot bush	0.5 – 5	X	X
Banksia	*telmatiaea*	Shrub	Swamp fox banksia	0.5 - 2	X	X
Baumea	*acuta*	Sedge	Pale twig rush	0.2 – 0.4		X
Baumea	*juncea*	Sedge	Bare twig rush	0.2 – 1.2		X
Baumea	*preissii*	Sedge		0.2 - 2		X
Baumea	*vaginalis*	Sedge	Sheath twig rush	0.6 – 1.2		X
Beaufortia	*squarrosa*	Shrub	Sand-plain bottlebrush	to 2	X	
Billardiera	*fraseri*	Herb/climbing/was *Pronaya*	Elegant pronaya	0.2 – 1.5	X	X
Billardiera	*heterophylla*	Herb/climbing/was *Sollya*	Australian bluebell	0.3 - 3	X	
Boronia	*ramosa*	Shrub		to 0.6	X	
Boronia	*spathulata*	Shrub	Boronia	0.15 - 1		X
Borya	*scirpoidea*	Herb		0.05 - 0.2	X	X
Borya	*sphaerocephala*	Herb	Pincushions	0.02 – 0.2		X
Bossiaea	*eriocarpa*	Shrub	Common brown pea	0.2 - 1	X	X
Bossiaea	*ornata*	Shrub	Broad leaved brown pea	0.15 - 1	X	X
Brachyscome	*bellidioides*	Herb		to 0.15		X
Brachyscome	*iberidifolia*	Herb		0.05 - 0.45	X	X
Burchardia	*congesta*	Herb		to 0.8	X	X
Burchardia	*multiflora*	Herb	Dwarf burchardia	0.045 - 0.3	X	X
Caesia	*micrantha*	Herb	Pale grass-lily	0.15 - 0.6	X	X
Caesia	*occidentalis*	Herb		0.2 - 0.8	X	
Calectasia	*grandiflora*	Herb	Blue tinsel lily	to 0.65	X	X
Calothamnus	*hirsutus*	Shrub		0.3 - 1.5	X	X
Calothamnus	*lateralis*	Shrub		0.4 - 1.5	X	X
Calothamnus	*quadrifidus*	Shrub	One sided bottlebrush	0.9 - 2		X
Calytrix	*angulata*	Shrub	Yellow star-flower	0.2 - 1	X	
Calytrix	*aurea*	Shrub		0.2 - 1.3	X	X
Calytrix	*flavescens*	Shrub	Summer star-flower	0.3 – 0.8	X	X
Calytrix	*fraseri*	Shrub	Pink summer calytrix	0.2 - 1	X	

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Pinjarra/Guildford vegetation complex flora list for the Shire of Serpentine Jarrahdale

Genus	species	Plant form/comments	Common name	Approx. height (m)	Dry areas	Wet areas
Cardamine	*paucijuga*	Herb/P2		to 0.4		X
Carex	*preissii*	Sedge		0.1 – 0.6		X
Cartonema	*philydroides*	Herb		0.1 - 0.5	X	X
Casuarina	*obesa*	Tree	Swamp sheoak	1.5 - 10		X
Centrolepis	*alepyroides*	Sedge		0.015 - 0.06	X	X
Centrolepis	*aristata*	Sedge	Pointed centrolepis	0.02 - 0.2	X	X
Centrolepis	*glabra*	Sedge	Smooth centrolepis	0.01 – 0.9		X
Centrolepis	*inconspicua*	Sedge		0.005 – 0.02		X
Centrolepis	*mutica*	Sedge		0.03 – 0.07		X
Chaetanthus	*aristatus*	Sedge	Bearded twine-rush	0.2 - 1	X	X
Chamaescilla	*corymbosa*	Herb	Blue squill	0.05 - 0.4	X	X
Cheilanthes	*austrotenuifolia*	Herb/fern		0.1 – 0.8		X
Chordifex	*sinuosus*	Sedge		0.25 - 0.4	X	
Chorizandra	*enodis*	Sedge	Black bristlerush	0.18 - 1		X
Chorizema	*dicksonii*	Shrub	Yellow-eyed flame pea	0.3 - 1	X	
Clematis	*pubescens*	Herb/climbing	Common clematis	to 5	X	
Comesperma	*calymega*	Herb	Blue-spike milkwort	0.1 – 0.5	X	
Conospermum	*stoechadis*	Shrub	Common smokebush	0.3 - 2	X	X
Conostephium	*pendulum*	Shrub	Pearl flower	0.15 - 0.7	X	X
Conostephium	*preissii*	Shrub		0.3 – 1.2	X	
Conostylis	*aculeata*	Herb	Prickly conostylis	0.06 - 0.5	X	X
Conostylis	*caricina*	Herb		0.05 - 0.2	X	
Conostylis	*juncea*	Herb		0.1 - 0.4	X	
Conostylis	*setigera*	Herb	Bristly cottonhead	0.05 - 0.36	X	
Conostylis	*setosa*	Herb	White cottonhead	0.15 – 0.3	X	
Corymbia	*calophylla*	Tree	Marri	to 40	X	X
Cotula	*australis*	Herb	Common cotula	0.02 – 0.2		X
Cotula	*cotuloides*	Herb	Smooth cotula	0.04 – 0.2		X
Craspedia	*variabilis*	Herb		0.1 – 0.6	X	
Crassula	*closiana*	Herb		0.01 – 0.1		X
Crassula	*colorata*	Herb		0.015 – 0.15		X
Crassula	*decumbens*	Herb	Rufous stonecrop			X
Cristonia	*biloba*	Shrub/was *Templetonia*		0.3 - 0.7	X	X
Cryptandra	*arbutiflora*	Shrub	Waxy cryptandra	0.05 - 1	X	
Cyathochaeta	*avenacea*	Sedge		0.4 - 1.6	X	X
Cyathochaeta	*clandestina*	Sedge		0.4 - 2	X	X
Cytogonidium	*leptocarpoides*	Sedge		0.2 – 0.5		X
Dampiera	*alata*	Herb	Winged-stem dampiera	0.1 - 0.6	X	X
Dampiera	*linearis*	Herb	Common dampiera	0.15 - 0.6	X	X
Dampiera	*teres*	Herb	Terete-leaved dampiera	0.15 – 0.6	X	
Darwinia	*citriodora*	Shrub	Lemon-scented darwinia	0.2 – 1.5		X
Darwinia	*thymoides*	Shrub		to 0.2	X	
Dasypogon	*bromeliifolius*	Herb	Pineapple bush	0.3 - 1	X	X
Daviesia	*angulata*	Shrub		0.4 - 1.5	X	X
Daviesia	*decurrens*	Shrub	Prickly bitter-pea	to 1	X	
Daviesia	*divaricata*	Shrub	Marno	0.3 - 3	X	
Daviesia	*incrassata*	Shrub		0.1 - 1.2	X	
Daviesia	*nudiflora*	Shrub		0.3 – 1.5	X	
Daviesia	*physodes*	Shrub		0.4 - 1.8	X	X
Daviesia	*preissii*	Shrub		0.3 - 0.6	X	
Daviesia	*triflora*	Shrub		0.25 – 0.6	X	
Desmocladus	*asper*	Sedge		0.05 – 0.3	X	
Desmocladus	*fasciculatus*	Sedge		0.2 - 0.3	X	X
Desmocladus	*flexuosus*	Sedge		0.2 - 1.5	X	X
Dianella	*revoluta*	Herb	Blueberry lily	0.3 - 1.5	X	X

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Genus	species	Plant form/comments	Common name	Approx. height (m)	Dry areas	Wet areas
Dichelachne	*crinita*	Grass	Longhair plumegrass	0.3 – 0.7		X
Dichopogon	*capillipes*	Herb		0.3 - 1	X	
Dichopogon	*preissii*	Herb		to 0.5		X
Dillwynia	*dillwynioides*	Shrub/P3		0.3 – 1.2	X	X
Dysphania	*pumilio*	Herb	Clammy goosefoot			X
Epilobium	*billardierianum*	Herb	Glabrous willow herb	0.1 – 0.7		X
Eragrostis	*elongata*	Grass	Clustered lovegrass	0.2 – 0.9		X
Eremaea	*asterocarpa*	Shrub		0.2 - 1	X	
Eremaea	*pauciflora*	Shrub	Orange flowered eremaea	to 4	X	X
Erodium	*cygnorum*	Herb	Blue heronsbill	to 0.6		X
Eryngium	*pinnatifidum*	Herb	Blue devils	0.2 - 0.5	X	X
Eucalyptus	*lane-poolei*	Tree	Salmon barked white gum	3 - 12	X	
Eucalyptus	*marginata*	Tree	Jarrah	to 40	X	
Eucalyptus	*rudis*	Tree	Flooded gum	5 - 20	X	X
Eucalyptus	*wandoo*	Tree	Wandoo	3 - 25	X	
Eutaxia	*virgata*	Shrub		0.3 - 1		X
Gastrolobium	*capitatum*	Shrub/toxic	Bacon and eggs	to 1	X	
Gastrolobium	*nervosum*	Shrub/toxic/was *Nemcia reticulata*		to 0.5	X	
Geranium	*retrorsum*	Herb		0.05 - 0.45	X	
Gnephosis	*angianthoides*	Herb		0.02 – 0.15	X	X
Gompholobium	*aristatum*	Shrub		0.1 - 0.8	X	X
Gompholobium	*capitatum*	Shrub	Yellow pea	0.2 - 1	X	
Gompholobium	*confertum*	Shrub		0.15 - 1	X	
Gompholobium	*knightianum*	Shrub		0.1 - 0.5	X	
Gompholobium	*marginatum*	Shrub		0.05 - 0.4	X	
Gompholobium	*polymorphum*	Shrub/climbing		0.05 - 0.6	X	
Gompholobium	*tomentosum*	Shrub	Hairy yellow pea	0.3 - 1	X	X
Gonocarpus	*pithyoides*	Herb		0.15 - 0.4	X	X
Goodenia	*coerulea*	Herb		to 0.4	X	X
Goodenia	*micrantha*	Herb		0.02 – 0.2		X
Goodenia	*pulchella*	Herb		0.05 - 0.35	X	X
Gratiola	*pubescens*	Herb		0.05 - 0.3	X	X
Grevillea	*bipinnatifida*	Shrub	Fuchsia grevillea	0.2 - 1	X	X
Grevillea	*obtusifolia*	Shrub	Obtuse leaved grevillea	0.2 - 2		X
Grevillea	*diversifolia*	Shrub	Variable-leaved grevillea	1 - 6	X	
Grevillea	*pilulifera*	Shrub	Woolly-flowered grevillea	0.2 - 1	X	X
Grevillea	*quercifolia*	Shrub	Oak-leaf grevillea	0.3 - 0.7	X	
Grevillea	*wilsonii*	Shrub	Native fuchsia	0.4 - 1	X	
Haemodorum	*brevisepalum*	Herb		0.08 - 0.35	X	
Haemodorum	*discolor*	Herb		0.3 - 1	X	
Haemodorum	*laxum*	Herb		0.6 - 1.4	X	X
Haemodorum	*paniculatum*	Herb	Mardja	0.4 – 1.8		X
Haemodorum	*simplex*	Herb		0.2 - 0.65	X	X
Haemodorum	*simulans*	Herb		0.5 - 2	X	
Haemodorum	*sparsiflorum*	Herb		0.3 - 1.5	X	X
Haemodorum	*spicatum*	Herb	Mardja	0.3 - 2	X	
Hakea	*auriculata*	Shrub		1.5 - 2	X	
Hakea	*ceratophylla*	Shrub	Horned leaf hakea	0.5 - 2	X	X
Hakea	*cristata*	Shrub	Snail hakea	1 - 2.5	X	
Hakea	*incrassata*	Shrub	Marble hakea	0.35 - 1.5	X	X
Hakea	*lissocarpha*	Shrub	Honeybush	0.4 - 1.5	X	
Hakea	*marginata*	Shrub		1 - 5	X	X

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Pinjarra/Guildford vegetation complex flora list for the Shire of Serpentine Jarrahdale

Genus	species	Plant form/comments	Common name	Approx. height (m)	Dry areas	Wet areas
Hakea	*prostrata*	Shrub	Harsh hakea	1 - 3	X	
Hakea	*ruscifolia*	Shrub	Candle hakea	0.5 - 3	X	
Hakea	*stenocarpa*	Shrub	Narrow-fruited hakea	0.3 - 1	X	
Hakea	*sulcata*	Shrub	Furrowed hakea	0.4 - 2	X	X
Hakea	*trifurcata*	Shrub	Two-leaf hakea	1.5 - 3	X	X
Hakea	*undulata*	Shrub	Wavy-leaved hakea	1 - 2	X	
Hakea	*varia*	Shrub	Variable-leaved hakea	1 - 4	X	X
Hardenbergia	*comptoniana*	Shrub/climbing	Native wisteria		X	
Harperia	*lateriflora*	Sedge		0.05 - 0.2	X	X
Hemiandra	*pungens*	Shrub	Snakebush	0.05 - 1	X	X
Hemigenia	*incana*	Shrub	Silky hemigenia	0.25 – 1.4	X	
Hibbertia	*acerosa*	Shrub	Needle leaved guinea flower	0.1 - 0.6	X	
Hibbertia	*commutata*	Shrub		0.1 - 0.6	X	X
Hibbertia	*diamesogenos*	Shrub		to 0.6	X	
Hibbertia	*huegelii*	Shrub		0.1 - 0.6	X	
Hibbertia	*hypericoides*	Shrub	Yellow buttercups	0.2 - 1	X	X
Hibbertia	*stellaris*	Shrub	Orange stars	0.15 - 1.5	X	X
Hibbertia	*vaginata*	Shrub		0.2 – 0.75	X	
Homalosciadium	*homalocarpum*	Herb		0.02 - 0.1	X	
Hovea	*trisperma*	Shrub	Common hovea	0.1 - 0.7	X	
Hyalosperma	*cotula*	Herb		0.05 - 0.25	X	X
Hybanthus	*calycinus*	Herb	Wild violet	0.1 – 0.6	X	
Hydrocotyle	*alata*	Herb		0.01 - 0.05	X	X
Hydrocotyle	*callicarpa*	Herb	Small pennywort	0.01 – 0.08		X
Hydrocotyle	*diantha*	Herb		0.01 - 0.1	X	X
Hydrocotyle	*pilifera*	Herb		0.01 - 0.2	X	
Hypericum	*japonicum*	Herb	Matted St John's wort	0.02 – 0.12		X
Hypocalymma	*angustifolium*	Shrub	White myrtle	to 1.5	X	X
Hypocalymma	*robustum*	Shrub	Swan river myrtle	0.4 - 1	X	
Hypolaena	*exsulca*	Sedge		0.25 - 0.75	X	X
Hypolaena	*fastigiata*	Sedge		0.15 – 0.3		X
Hypolaena	*pubescens*	Sedge		0.15 - 1		X
Hypoxis	*glabella*	Herb	Tiny star	0.02 – 0.2		X
Hypoxis	*occidentalis*	Herb		0.05 - 0.2	X	X
Isoetes	*australis*	Herb/fern ally		0.01 – 0.07		X
Isoetes	*drummondii*	Herb/fern ally	Quillwort	0.004 – 0.18		X
Isolepis	*cernua*	Sedge	Nodding club-rush	to 0.3		X
Isolepis	*oldfieldiana*	Sedge		0.02 – 0.35		X
Isolepis	*stellata*	Sedge	Star club-rush	0.02 – 0.1		X
Isopogon	*asper*	Shrub		0.2 - 0.8	X	
Isotoma	*hypocrateriformis*	Herb	Woodbridge poison	0.08 - 0.6	X	X
Isotropis	*cuneifolia*	Shrub	Granny bonnets	0.05 - 0.3	X	
Jacksonia	*furcellata*	Shrub	Grey stinkwood	0.4 - 4	X	
Jacksonia	*gracillima*	Shrub /P3			X	X
Jacksonia	*lehmanii*	Shrub		0.15 – 0.5	X	
Jacksonia	*sericea*	Shrub	Waldjumi	to 0.6	X	
Jacksonia	*sternbergiana*	Shrub	Stinkwood	1.5 - 5	X	X
Johnsonia	*pubescens*	Herb	Pipe lily	0.08 - 0.23	X	
Juncus	*holoschoenus*	Sedge	Jointleaf rush	0.3 - 1		X
Juncus	*kraussii*	Sedge		0.3 – 1.2		X
Juncus	*pallidus*	Sedge	Pale rush	0.5 - 2		X
Juncus	*pauciflorus*	Sedge	Loose flower rush	0.3 - 1		X
Kennedia	*prostrata*	Herb/climbing	Scarlet runner		X	X
Kennedia	*stirlingii*	Shrub	Bushy kennedia	0.1 - 1	X	

Shire of Serpentine Jarrahdale
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Pinjarra/Guildford vegetation complex flora list for the Shire of Serpentine Jarrahdale

Genus	species	Plant form/comments	Common name	Approx. height (m)	Dry areas	Wet areas
Kingia	*australis*	Tree-like monocot	Kingia	1 - 8	X	X
Kunzea	*ericifolia*	Shrub	Spearwood	to 4	X	X
Kunzea	*glabrescens*	Shrub	Spearwood	1.5 - 4	X	
Kunzea	*micrantha*	Shrub	Mountain kunzea	0.35 - 1.5	X	X
Kunzea	*recurva*	Shrub		0.3 - 2	X	X
Labichea	*punctata*	Shrub	Lance-leaved cassia	0.15 - 1	X	
Lachnagrostis	*filiformis*	Grass	Blowngrass	to 1	X	X
Lachnagrostis	*plebeia*	Grass		0.2 - 0.3	X	X
Lachnagrostis	*preissii*	Grass		to 0.4	X	X
Lagenophora	*huegelii*	Herb		0.04 – 0.35		X
Lambertia	*multiflora*	Shrub	Many-flowered honeysuckle	0.5 – 2.5		X
Latrobea	*tenella*	Shrub		to 0.7		X
Laxmannia	*ramosa*	Herb		0.1 – 0.3		X
Laxmannia	*sessiliflora*	Herb		0.05 - 0.3	X	
Laxmannia	*squarrosa*	Herb		0.03 - 0.1	X	X
Lechenaultia	*biloba*	Shrub	Blue lechenaultia	0.15 - 1	X	
Lechenaultia	*expansa*	Shrub		0.15 - 0.6	X	X
Lepidobolus	*preissianus*	Sedge		0.15 - 0.4	X	
Lepidosperma	*angustatum*	Sedge		to 0.5	X	X
Lepidosperma	*costale*	Sedge		0.2 - 0.7	X	
Lepidosperma	*effusum*	Sedge	Spreading sword-sedge	to 2.5		X
Lepidosperma	*leptostachyum*	Sedge		0.1 - 0.6	X	X
Lepidosperma	*longitudinale*	Sedge	Pithy sword-sedge	0.5 - 2		X
Lepidosperma	*pubisquameum*	Sedge		0.15 – 0.4	X	
Lepidosperma	*scabrum*	Sedge		0.3 – 1.5	X	
Lepidosperma	*squamatum*	Sedge		0.15 - 1	X	X
Lepidosperma	*tenue*	Sedge		0.15 - 0.8	X	
Lepyrodia	*glauca*	Sedge		1 – 1.5		X
Lepyrodia	*macra*	Sedge	Large scale rush	0.15 - 0.35	X	X
Lepyrodia	*muirii*	Sedge		0.45 - 1	X	X
Leucopogon	*gracillimus*	Shrub		0.2 – 0.8	X	
Leucopogon	*squarrosus*	Shrub		0.4 – 0.7		X
Linum	*marginale*	Herb	Wild flax	0.1 – 0.6		X
Lobelia	*anceps*	Herb	Angled lobelia	to 1.2		X
Lobelia	*rhytidosperma*	Herb	Wrinkle-seeded lobelia	0.1 – 0.3	X	
Lobelia	*tenuior*	Herb	Slender lobelia	0.15 - 0.5	X	X
Lomandra	*brittanii*	Herb		0.05 - 0.2	X	
Lomandra	*caespitosa*	Herb	Tufted mat rush	0.1 - 0.4	X	X
Lomandra	*hermaphrodita*	Herb		0.06 - 0.2	X	X
Lomandra	*micrantha*	Herb	Small-flower mat-rush	0.1 - 0.7	X	X
Lomandra	*odora*	Herb	Tiered mat-rush	0.09 - 0.3	X	X
Lomandra	*preissii*	Herb		0.2 - 0.6	X	
Lomandra	*purpurea*	Herb	Purple mat-rush	0.15 - 0.6	X	
Lomandra	*sericea*	Herb	Silky mat-rush	0.15 – 0.4		X
Lomandra	*sonderi*	Herb		0.2 – 0.5		X
Lomandra	*suaveolens*	Herb		0.1 - 0.3	X	X
Loxocarya	*cinerea*	Sedge		0.1 - 1	X	X
Luzula	*meridionalis*	Sedge	Field woodrush	0.15 - 0.4	X	X
Lyginia	*barbata*	Sedge		0.2 - 1	X	X
Lyginia	*imberbis*	Sedge		0.4 – 0.7	X	
Macarthuria	*australis*	Shrub		0.15 – 0.75	X	
Macrozamia	*riedlei*	Tree - cycad	Zamia	0.5 - 3	X	
Meeboldina	aff. *crebriculmis*	Sedge		to 1.3		X
Meeboldina	*cana*	Sedge	Hoary twine-rush	0.35 - 1.2	X	X

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Genus	species	Plant form/comments	Common name	Approx. height (m)	Dry areas	Wet areas
Meeboldina	*coangustata*	Sedge		0.3 - 1	X	X
Meeboldina	*roycei*	Sedge		0.3 – 1.5		X
Melaleuca	*cuticularis*	Tree	Saltwater paperbark	to 7		X
Melaleuca	*lateriflora*	Shrub		1 - 8	X	X
Melaleuca	*lateritia*	Shrub	Robin redbreast bush	to 2.5	X	X
Melaleuca	*pauciflora*	Shrub		0.5 - 1.5	X	X
Melaleuca	*preissiana*	Tree	Moonah	2 - 9	X	X
Melaleuca	*rhaphiophylla*	Tree	Swamp paperbark	to 10		X
Melaleuca	*scabra*	Shrub	Rough honey-myrtle	0.2 – 1.5	X	
Melaleuca	*teretifolia*	Shrub	Banbar	1 - 5	X	X
Melaleuca	*thymoides*	Shrub		0.4 - 2	X	
Melaleuca	*trichophylla*	Shrub	Pretty honey myrtle	to 1	X	
Melaleuca	*uncinata*	Shrub	Broom bush	0.5 - 5	X	X
Melaleuca	*viminea*	Shrub	Mohan	0.6 - 5	X	X
Mesomelaena	*graciliceps*	Sedge		0.15 - 0.7	X	
Mesomelaena	*pseudostygia*	Sedge		0.2 - 0.75	X	X
Mesomelaena	*stygia*	Sedge		0.1 - 0.5	X	
Mesomelaena	*tetragona*	Sedge	Semaphore sedge	0.3 - 0.8	X	X
Microlaena	*stipoides*	Grass	Weeping grass	0.3 – 0.75		X
Millotia	*tenuifolia*	Herb	Soft millotia	0.02 – 0.1		X
Mirbelia	*spinosa*	Shrub		0.2 – 1.5		X
Monotaxis	*grandiflora*	Herb	Diamond of the desert	0.07 – 0.15	X	
Monotaxis	*occidentalis*	Herb		to 0.2	X	
Myriophyllum	*drummondii*	Herb/semi-aquatic		0.02 – 0.05		X
Myriophyllum	*echinatum*	Herb/P3		0.02 – 0.03		X
Neurachne	*alopecuroidea*	Grass	Foxtail mulga grass	0.15 - 0.5	X	X
Nuytsia	*floribunda*	Tree/hemiparasitic	Christmas tree	to 10	X	X
Olearia	*elaeophila*	Shrub		0.2 - 1	X	X
Opercularia	*apiciflora*	Shrub		0.03 - 0.7	X	
Opercularia	*vaginata*	Shrub	Dog weed	0.1 - 0.45	X	X
Oxalis	*perennans*	Herb		0.05 – 0.3		X
Paraserianthes	*lophantha*	Tree	Albizia	1 - 10		X
Parsonsia	*diaphanophleba*	Shrub/climbing/P4		to 10		X
Patersonia	*juncea*	Herb	Rush leaved patersonia	0.07 - 0.3	X	X
Patersonia	*occidentalis*	Herb	Purple flag	to 1.5	X	X
Pericalymma	*ellipticum*	Shrub	Swamp teatree	to 3	X	X
Persicaria	*prostrata*	Herb	Creeping knotweed	0.05 – 0.1		X
Persoonia	*elliptica*	Shrub	Spreading snottygobble	2 - 8	X	
Persoonia	*saccata*	Shrub	Snottygobble	0.2 - 1.5	X	
Petrophile	*juncifolia*	Shrub		to 0.4	X	
Petrophile	*linearis*	Shrub	Pixie mops	0.2 - 1	X	
Petrophile	*macrostachya*	Shrub		0.3 – 1.2	X	
Petrophile	*seminuda*	Shrub		0.3 - 1.5	X	X
Petrophile	*squamata*	Shrub		0.3 - 3	X	
Petrophile	*striata*	Shrub		0.2 - 1	X	
Philotheca	*spicata*	Shrub	Pepper and salt	0.2 - 0.6	X	X
Philydrella	*drummondii*	Herb		0.15 – 0.25		X
Philydrella	*pygmaea*	Herb	Butterfly flowers	0.02 - 0.3	X	X
Phlebocarya	*ciliata*	Herb		0.2 – 0.6	X	
Phlebocarya	*filifolia*	Herb		0.15 - 0.4	X	
Phyllangium	*paradoxum*	Herb	Wiry mitrewort	0.05 - 0.3	X	X
Phyllanthus	*calycinus*	Shrub	False boronia	0.2 - 1.2	X	
Phylloglossum	*drummondii*	Herb/clubmoss	Pigmy clubmoss	0.01 – 0.06		X
Pimelea	*imbricata*	Shrub		0.1 - 1	X	X
Pimelea	*sulphurea*	Shrub	Yellow banjine	0.15 – 0.7	X	

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Pinjarra/Guildford vegetation complex flora list for the Shire of Serpentine Jarrahdale

Genus	species	Plant form/comments	Common name	Approx. height (m)	Dry areas	Wet areas
Poa	*poiformis*	Grass	Coastal poa	0.15 - 0.9	X	
Podolepis	*gracilis*	Herb	Slender podolepis	0.1 - 0.5	X	X
Podolepis	*lessonii*	Herb		0.1 – 0.4		X
Podotheca	*angustifolia*	Herb	Sticky longheads	0.03 - 0.2	X	
Podotheca	*gnaphalioides*	Herb	Golden longheads	0.02 – 0.6	X	
Pogonolepis	*stricta*	Herb		0.01 – 0.2		X
Polypogon	*tenellus*	Grass		0.15 – 0.5		X
Pteridium	*esculentum*	Herb/bracken fern	Bracken	0.5 - 2		X
Ptilotus	*drummondii*	Herb	Narrowleaf mulla mulla	0.05 - 0.8	X	X
Ptilotus	*manglesii*	Herb	Pom poms	0.05 - 0.3	X	X
Quinetia	*urvillei*	Herb		0.03 - 0.2	X	X
Ranunculus	*pumilio*	Herb	Smallflower buttercup	0.01 – 0.3	X	
Regelia	*ciliata*	Shrub	Mousy bush	0.8 - 2	X	X
Regelia	*inops*	Shrub		to 2.5		X
Scaevola	*calliptera*	Herb		0.1 – 0.4	X	
Scaevola	*glandulifera*	Herb	Viscid hand-flower	0.15 - 0.6	X	
Scaevola	*lanceolata*	Herb		0.1 - 0.5	X	X
Scaevola	*phlebopetala*	Herb	Velvet fanflower	0.05 - 0.3	X	
Scaevola	*pilosa*	Herb	Hairy fanflower	0.3 – 0.7		X
Scaevola	*repens*	Herb		0.05 - 1	X	
Schoenolaena	*juncea*	Herb		0.2 - 0.75	X	X
Schoenus	*asperocarpus*	Sedge	Poison sedge	0.15 - 1	X	
Schoenus	*bifidus*	Sedge		0.1 – 0.4		X
Schoenus	*breviculmis*	Sedge		0.05 - 0.1	X	X
Schoenus	*brevisetis*	Sedge		0.05 - 0.4	X	X
Schoenus	*clandestinus*	Sedge		0.01 - 0.07	X	X
Schoenus	*curvifolius*	Sedge		to 0.4	X	
Schoenus	*efoliatus*	Sedge		0.1 - 1	X	
Schoenus	*nanus*	Sedge	Tiny bog rush	0.01 - 0.1	X	X
Schoenus	*odontocarpus*	Sedge		0.02 - 0.15	X	X
Schoenus	*pedicellatus*	Sedge		0.25 – 0.75	X	
Schoenus	*plumosus*	Sedge		0.06 – 0.18		X
Schoenus	*rigens*	Sedge		0.2 - 0.6	X	X
Schoenus	*subbarbatus*	Sedge	Bearded bog-rush	0.1 - 0.4	X	
Schoenus	*subbulbosus*	Sedge		0.07 - 0.35	X	
Schoenus	*subflavus*	Sedge	Yellow bog-rush	0.05 - 0.3	X	
Schoenus	*tenellus*	Sedge		0.05 – 0.1		X
Schoenus	*unispiculatus*	Sedge		0.1 - 0.45	X	X
Scholtzia	*involucrata*	Shrub	Spiked scholtzia	0.2 – 1.5	X	X
Selaginella	*gracillima*	Herb/clubmoss	Tiny clubmoss	0.01 – 0.09		X
Senecio	*quadridentatus*	Herb		0.2 - 1	X	X
Sida	*hookeriana*	Herb		0.15 – 0.8		X
Siloxerus	*humifusus*	Herb	Procumbemt siloxerus	0.01 - 0.09	X	X
Sonchus	*hydrophilus*	Herb	Native sowthistle	0.5 – 1.8		X
Sowerbaea	*laxiflora*	Herb	Purple tassels	0.15 - 0.45	X	X
Sphaerolobium	*medium*	Shrub		0.1 – 0.6	X	
Sphaerolobium	*vimineum*	Shrub	Leafless globe pea	0.3 - 1.2	X	
Stachystemon	*vermicularis*	Shrub		to 1	X	
Stackhousia	*monogyna*	Herb		0.1 - 0.7	X	X
Stirlingia	*latifolia*	Shrub	Blueboy	0.2 - 1.5	X	X
Stypandra	*glauca*	Herb	Blind grass	0.3 - 1	X	
Synaphea	*acutiloba*	Shrub	Granite synaphea	0.3 - 1		X
Synaphea	*floribunda*	Shrub		0.1 – 0.3		X
Synaphea	*odocoileops*	Shrub/P1		0.2 - 0.5	X	X
Synaphea	*petiolaris*	Shrub	Synaphea	0.1 - 0.6	X	X

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Genus	species	Plant form/comments	Common name	Approx. height (m)	Dry areas	Wet areas
Synaphea	*spinulosa*	Shrub		0.2 – 1.2		X
Taxandria	*linearifolia*	Shrub		to 5		X
Tetraria	*australiensis*	Sedge/R		to 1	X	
Tetraria	*capillaris*	Sedge	Hair sedge	0.15 - 0.7	X	X
Tetraria	*octandra*	Sedge		0.15 - 1.2	X	X
Tetratheca	*hirsuta*	Shrub	Black-eyed Susan	0.1 - 0.9	X	
Themeda	*triandra*	Grass		0.3 - 2	X	
Thomasia	*foliosa*	Shrub		0.2 - 1	X	
Thysanotus	*dichotomus*	Herb	Branching fringed lily	0.25 - 1	X	X
Thysanotus	*manglesianus*	Herb/climbing	Fringed lily	0.2 - 2	X	X
Thysanotus	*multiflorus*	Herb	Many-flowered fringe lily	0.1 - 0.5	X	X
Thysanotus	*patersonii*	Herb/climbing		0.15 - 0.5	X	X
Thysanotus	*sparteus*	Herb		0.2 - 1	X	X
Thysanotus	*thyrsoideus*	Herb		0.15 - 0.35	X	X
Thysanotus	*triandrus*	Herb		to 0.4	X	
Trachymene	*pilosa*	Herb	Native parsnip	0.02 - 0.3	X	X
Tribonanthes	*australis*	Herb		0.15 - 0.4	X	X
Tribonanthes	*brachypetala*	Herb		0.2 – 0.4		X
Tribonanthes	*longipetala*	Herb		0.05 - 0.32	X	
Tribonanthes	*violacea*	Herb		0.05 – 0.2		X
Trichocline	*spathulata*	Herb	Native gerbera	0.15 - 1	X	
Tricoryne	*elatior*	Herb	Yellow autumn lily	0.1 - 0.5	X	X
Tricoryne	*humilis*	Herb		0.06 - 0.2	X	X
Tricoryne	*tenella*	Herb		to 0.45	X	
Tricostularia	*neesii*	Sedge		0.4 - 0.8	X	X
Triglochin	*linearis*	Sedge/aquatic		0.2 – 0.4	X	X
Tripterococcus	*brunonis*	Herb	Winged stackhousia	0.1 - 0.8	X	
Trithuria	*bibracteata*	Sedge/aquatic		to 0.02		X
Velleia	*trinervis*	Herb		0.1 - 0.5	X	
Verticordia	*acerosa*	Shrub		0.2 - 1	X	X
Verticordia	*densiflora*	Shrub	Compacted featherflower	0.25 - 2	X	X
Verticordia	*huegelii*	Shrub	Variegated featherflower	0.05 - 1.4	X	X
Verticordia	*lindleyi*	Shrub/P4		0.2 - 0.75	X	
Verticordia	*pennigera*	Shrub		0.15 - 0.6	X	X
Verticordia	*plumosa*	Shrub	Plumed featherflower	0.2 - 1.5	X	X
Verticordia	*serrata*	Shrub		to 1	X	X
Viminaria	*juncea*	Shrub	Swishbush	1 - 4	X	X
Wahlenbergia	*preissii*	Herb		0.06 - 0.4	X	X
Wurmbea	*dioica alba*	Herb		0.035 - 0.3	X	X
Xanthorrhoea	*brunonis*	Tree-like monocot		to 1.5		X
Xanthorrhoea	*preissii*	Tree-like monocot	Grass tree	to 5	X	X
Xanthosia	*huegelii*	Herb		0.05 - 0.25	X	X
Xylomelum	*occidentale*	Tree	Woody pear	2 - 8	X	

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