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**Flora of Lots 65/66 and Reserve 32926,  
Anstey Road, Forrestdale**

THE LIBRARY  
DEPARTMENT OF CONSERVATION  
& LAND MANAGEMENT  
WESTERN AUSTRALIA

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## Summary

- 1.0 Despite recent fire and disturbance, the vegetation of the site remains in excellent condition.
- 2.0 The *Evandra pauciflora* sedgeland is unique for the northern Swan Coastal Plain.
- 3.0 The ephemeral wetland vegetation is of extremely high conservation value, especially the *Actinostrobus* heathland which is not found elsewhere in the study area. The *Regelia* - *Pericalymma* heath and the *Melaleuca* woodland and shrublands are wetland communities which are now rare on the Swan Coastal Plain.
- 4.0 A total of 294 native species have been recorded from the site (383 are recorded from the whole study area), approximately 80% of that which will be recorded. This is a very species rich site (greatest for any site under 200 ha on the coastal plain).
- 5.0 The site contains declared endangered flora, and 5 priority taxa.
- 6.0 The site contains 72 species not previously recorded for the Jandakot study area, illustrating how poorly documented the flora of the study area is at this time.
- 7.0 Several taxa not on the endangered or priority lists of CALM, but of significant conservation value were listed. These being *Tricoryne* ? *tenella*, *Tribonanthes* sp., *Petrophile media* var. *juncifolia* and *Jacksonia* aff. *sericea*.
- 8.0 The record of *Leptocarpus tenellus* is a northward range extension of c. 200 km.

## Introduction

The study area comprises approximately 150 ha. of low ridges supporting *Banksia* woodland with flats of ephemeral wetlands between. Most of the vegetation has been mapped by Weston (1989), and the aim of this report was to concentrate on the flora present within the area.

The region was covered by extensive foot traverse in January 1991.

## Significance of the Site

### Vegetation

The vegetation of the site is in very good to excellent condition, with few weeds and only marginal disturbance.

The vegetation communities present on the site occupying the damplands (*Melaleuca*, Swamp Cypress, Sedge Savannah, *Pericalymma* and *Regelia* heath) are all uncommon communities within the metropolitan region. The *Evandra pauciflora* sedgelands is a unique community for the metropolitan region, and is rare on the entire coastal plain.

Reserve 32926 contains a *Melaleuca* shrubland of 5 species over a species poor claypan. This is not known from any other site in the metropolitan region.

The damplands on Lot 65/66 do not appear to be duplicated on Reserve No. 32926, except for the *Evandra* sedgeland.

Of the dampland communities the *Actinostrobus* heath is the least represented on reserve in the metropolitan region (only on two CTRC proposals), and appears floristically distinct containing substantial numbers of *Beaufortia squarrosa*.

In terms of flora conservation, the dampland communities of Lot 66 are the most significant because they are uncommon (because of past clearing) and contain the rare flora.

Because of the vegetation diversity, the site is rich in species of flora (294 have been recorded - and this will grow when the burnt areas are re-surveyed to over 300) for such a small area.

### Regional Significance

1. *Evandra pauciflora* sedgeland - no other location in metropolitan region - pure stand along creekline, no pure stands in Reserve no. 32926.
2. *Actinostrobus pyramidalis* heath - unusual community, not in any other CALM reserve in metropolitan area, in CTRC recommendation (University Block). Area of occurrence of DRF *Diuris purdiei* in thus, and mixed communities.
3. Seasonal pools - site of *Villarsia submersa*.
4. Melaleuca woodland, shrublands with heath. Probable sites for DRF *Diuris purdiei* and *Drosera occidentalis*.

Reserve No. 32926 has a claypan stand of 5 species of broombush *Melaleuca* - this is a unique site, so far.

### Flora

Two hundred and ninety three species of native flora have been recorded from the site. In comparison on the western side of the coastal plain, Kings Park (400 ha - 275 species), Bold Park (321 ha - 226 species) species richness is much lower, whereas with the inclusion of ephemeral wetlands on the eastern side of the coastal plain species richness rises greatly e.g. Brixton Street

Wetlands (19 ha - 258 species). This increased species richness is reflected at Anstey Road.

Currently the author considers that the survey has recorded 80% of the species found on the site. This will give the site a total flora of c. 350 species of native plants making it the richest vegetation remnant on the Swan Coastal Plain.

This species richness reflects the habitat diversity present on the site, any loss of this diversity will greatly lower species' richness.

Of the species recorded 72 were not listed for the study area by Trudgen (1990), reflecting as he stated, how poorly known the flora of the area is at this time. These new records raise the known native flora of the study area to 485 species. Thus the Anstey Road site contains 60% of the recorded flora for the study area at this one site.

#### Significant Flora

*Evandra pauciflora*: only record in metropolitan region.

*Restio stenostachyus*: priority species, uncommon in metropolitan region.

*Leptocarpus tenellus*: the population of this species is the first record for the Perth area. Previously the species had been recorded from near Jerramungup to near Busselton (Ambergate). This represents a range extension of over 200 km.

*Burchardia bairdiae*: furthest south this species has been recorded, nearest population University Orange Grove Block.

*Phlebocarya filifolia*: priority species, uncommon in metropolitan region. Other known sites cleared in study area.

*Tribonanthes* sp.: poorly known species, other known site Brixton Street.

*Diuris purdiei*: declared endangered.

*Banksia telmatiaea*: only known population in area, at southern margin of its range.

*Grevillea thelemanniana* ssp. *thelemanniana*: this is a potentially endangered taxon, only other population at Orange Grove.

*Drosera occidentalis*: declared endangered.

*Jacksonia* aff. *sericea*: an unnamed taxa, only known from Jandakot area (Forrestdale golf course), Jandakot-Thompsons Lake). Potentially rare. In heath and banksia on reserve no. 32926 also.

*Tripterococcus* sp.: priority species, only known population in area at this site.

*Beaufortia squarrosa*: very large stands of this spectacular species are found in the *Actinostrobus* heath. Only known site in metropolitan region at this time.

*Villarsia submersa*: Uncommon aquatic, only population in area. One other known in Orange Grove area (also on private land).

*Pityrodia uncinata*: southernmost population. Has white/red flowered forms here.

*Eremophila glabra* (swamp form): poorly known species, only known population for area.

*Stylidium utricularioides*: priority species, but now more common than previously supposed.

The significant species are largely confined to the dampland communities.

#### References

Trudgen, M. (1990). An Assessment of the Vegetation and Flora Conservation Values in the Area between Jandakot and Wellard. Unpub. Report prepared for D.P.U.D. by Bowan, Bishaw and Gorham.

Weston, A. (1989). Vegetation and Significant Flora of Lots 65 and 66 Anstey Road, Forrestdale, City of Armadale. Unpub. report prepared for G.R. Crimp and partners.

## FLORA LOTS 65/66, RESERVE 32926

### Key

AH:	Actinostrobus heath
MW:	Melaleuca woodland - shrubland
RH/PH:	Regelia or Pericalymma heath
ES:	Evandra sedgeland
BW:	Banksia woodland
*:	Species not previously recorded in Jandakot Study Area

### LYCOPODIACEAE

<i>Phylloglossum drummondii</i>	AH
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### SELAGINELLACEAE

* <i>Selaginella gracillima</i>	AH
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### ZAMIACEAE

<i>Macrozamia riedlei</i>	BW
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### CUPRESSACEAE

<i>Actinostrobus pyramidalis</i>	AH
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### ANGIOSPERMS

#### MONOCOTYLEDONS

##### JUNCAGINACEAE

* <i>Triglochin centrocarpa</i>	AH
* <i>T. minutissima</i>	MW
<i>T. procera</i>	MWP

##### POACEAE

* <i>Agrostis</i> sp.	BW,RH,PH
* <i>Amphipogon debilis</i>	BW,RH
<i>A. turbinatus</i>	BW
<i>Danthonia caespitosa</i>	BW
<i>Neurachne alopecuroidea</i>	BW
<i>Stipa compressa</i>	BW

##### CYPERACEAE

* <i>Baumea acuta</i>	MW
<i>Chorizandra enodis</i>	MW
<i>Evandra pauciflora</i>	ES
<i>Gahnia trifida</i>	MW
<i>Isolepis cernua</i>	MW
* <i>I. stellata</i>	AH
<i>Lepidosperma angustatum</i>	BW
<i>L. longitudinalis</i>	BW
* <i>L. tenue</i>	BW
<i>Mesomelaena graciliceps</i>	AH
<i>M. stygia</i>	BW
* <i>M. tetragona</i>	AH,BW
* <i>Schoenus caespititius</i>	AH
<i>S. clandestinus</i>	AH
<i>S. curvifolius</i>	BW
<i>S. grandiflorus</i>	BW

<i>S. pedicellatus</i>	MS,AH
* <i>S. rigens</i>	AH
<i>S. rodwayanus</i>	AH
<i>S. subflavus</i>	BW
<i>Tetraria octandra</i>	BW
RESTIONACEAE	
* <i>Alexgeorgea nitens</i>	BW
* <i>Anarthria laevis</i>	AH,RH
<i>Hypolaena exsulca</i>	RH
* <i>Leptocarpus aristatus</i>	AH
<i>L. canus</i>	AH
<i>L. co-angustatus</i>	AH
* <i>L. tenellus</i>	AH
* <i>Lepyrodia</i> sp.	AH
<i>Lyginia barbata</i>	BW
<i>Loxocarya cinerea</i>	BW
<i>L. fasicularis</i>	AH
* <i>L. pubescens</i>	AH
<sup>3</sup> <i>Restio stenostachyus</i>	AH
* <i>R. ? sphacelatus</i>	AH,RH
CENTROLEPIDACEAE	
<i>Aphelia cyperoides</i>	BW,AH
* <i>Brizula drummondii</i>	MS,MW
* <i>Centrolepis aristata</i>	BW
<i>C. drummondiana</i>	BW
* <i>C. glabra</i>	AH
<i>C. polygyna</i>	MW
JUNCACEAE	
<i>Juncus bufonius</i>	SH
<i>J. ? pallidus</i>	MW
DASYPOGONACEAE	
<i>Dasypogon bromeliifolius</i>	BW
<i>Lomandra ? caespitosa</i>	BW
<i>L. hermaphrodita</i>	BW
<i>L. preissii</i>	BW
<i>L. nigricans</i>	BW
* <i>L. sericea</i>	BW,RH
<i>L. suaveolens</i>	RH
XANTHORRHOEACEAE	
<i>Xanthorrhoea preissii</i>	BW
PHORMIACEAE	
<i>Dianella revoluta</i>	BW
* <i>Agrostocrinum scabrum</i>	AH
ANTHERICACEAE	
<i>Arnocrinum preissii</i>	BW
* <i>Caesia occidentalis</i>	AH
<i>Chamaescilla corymbosa</i>	AH,BW
<i>Corynotheca micrantha</i>	BW
<i>Johnsonia acaulis</i>	BW
<i>Laxmannia ramosa</i>	AH,RH
<i>Sowerbaea laxiflora</i>	BW

<i>Thysanotus multiflorus</i>	BW
<i>T. patersonii</i>	BW
<i>T. sparteus</i>	BW
<i>Tricoryne elatior</i>	BW
* <i>T. ? tenella</i>	RH,AH
 COLCHICACEAE	
<i>Burchardia bairdiae</i>	AH
<i>B. multiflora</i>	AH
<i>B. umbellata</i>	BW,AH,RH
* <i>Wurmbea ? dioica</i>	AH,MW
 HAEMODORACEAE	
<i>Anigozanthos humilis</i>	BW
<i>A. manglesii</i>	AH,RH,BW
<i>A. viridis</i>	AH,RH
<i>Conostylis aculeata</i>	RH
<i>C. juncea</i>	AH,RH
<i>C. sp.</i>	BW
<i>Haemodorum laxum</i>	BW
* <i>H. sparsiflorum</i>	AH
<i>H. spicatum</i>	BW,AH,RH,PH
<i>Phlebocarya ciliata</i>	BW,RH
<i>P. filifolia</i>	BW,RH
<i>Tribonanthes australis</i>	AH
<i>T. violacea</i>	MW
<i>T. sp.</i>	MW
 IRIDACEAE	
<i>Orthrosanthus laxus</i>	BW
<i>Patersonia occidentalis</i>	RH,BW
 ORCHIDACEAE	
<i>Caladenia ferruginea</i>	AH
<i>C. flava</i>	BW
<i>C. ? huegelii</i>	AH
<i>C. latifolia</i>	BW
<i>C. longicauda</i>	BW,RH
<i>C. marginata</i>	RH
<i>C. menziesii</i>	RH,BW
<i>C. nana</i>	BW
<i>Diuris carinata</i>	AH,RH
<i>D. longifolia</i>	BW,AH,RH,PH
<i>D. purdiei</i>	AH
<i>Elythranthera brunonis</i>	BW
<i>Eriochilus dilatatus</i>	BW
<i>Leporella fimbriata</i>	RH
<i>Lyperanthus nigricans</i>	RH,BW
<i>Microtis orbifolia</i>	RH
<i>M. unifolia</i>	RH
+ <i>Monadenia bracteata</i>	RH,MW
<i>Prasophyllum brownii</i>	AH
<i>P. cyphochilum</i>	AH
<i>P. drummondii</i>	AH
<i>P. elatum</i>	AH
<i>P. gibbosum</i>	AH
<i>P. hians</i>	AH
<i>Pterostylis ? sanguinea</i>	BW

<i>Thelymitra antennifera</i>	AH,PH
<i>T. campanulata</i>	AH,RH,PH
<i>T. flexuosa</i>	PH,RH
<i>T. fusco-lutea</i>	AH
<i>T. ? mucida</i>	AH
<i>T. ? nuda</i>	AH
<i>T. pauciflora</i>	AH,RH

## DICOTYLEDONS

### CASUARINACEAE

<i>Allocasuarina fraseriana</i>	BW
<i>A. humilis</i>	BW

### PROTEACEAE

<i>Adenantheros cygnorum</i>	BW
<i>A. obovatus</i>	RH,AH
<i>Banksia attenuata</i>	BW
<i>B. grandis</i>	BW
<i>B. ilicifolia</i>	BW
<i>B. littoralis</i>	BW
<i>B. menziesii</i>	BW
+ <i>B. telmatiae</i>	AH
<i>Conospermum triplinervium</i>	RH
<i>Dryandra nivea</i>	RH,BW
3* <i>Grevillea thelemanniana</i>	
ssp. <i>thelemanniana</i>	AH
* <i>Hakea prostrata</i>	BW
<i>H. sulcata</i>	RH,AH
* <i>H. trifurcata</i>	AH
<i>H. varia</i>	RH
<i>Petrophile linearis</i>	BW
* <i>P. media</i> var. <i>media</i>	BW
* <i>P. media</i> var. <i>juncifolia</i>	AH
* <i>P. seminuda</i>	RH,AH
<i>Stirlingia latifolia</i>	RH,PH,BW

### OLACACEAE

* <i>Olax benthamiana</i>	RH
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### LORANTHACEAE

<i>Nuytsia floribunda</i>	BW,RH
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### POLYGONACEAE

* <i>Polygonus prostratum</i>	RH
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### CHENOPodiaceae

* <i>Halosarcia lepidosperma</i>	MW
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### AMARANTHACEAE

* <i>Ptilotus drummondii</i>	BW
* <i>P. manglesii</i>	BW

### PORTRULACACEAE

<i>Calandrinia corrigioloides</i>	BW
* <i>C. granulifera</i>	RH,AH

RANUNCULACEAE		
<i>Clematis pubescens</i>	BW	
LAURACEAE		
* <i>Cassytha glabella</i>	BW	
<i>C. racemosa</i>	BW	
DROSERACEAE		
<i>Drosera erythrorhiza</i>	BW,RH	
<i>D. gigantea</i>	AH	
<i>D. glanduligera</i>	BW	
<i>D. macrantha</i>	BW,RH	
<i>D. neesii</i> ssp. nov.	AH	
<i>D. occidentalis</i>	AH,RH	
<i>D. platystigma</i>	PH	
* <i>D. rosulata</i>	AH,RH	
<i>D. stolonifera</i>	RH,PH	
CRASSULACEAE		
<i>Crassula colorata</i>	AH,RH	
* <i>C. natans</i>	MW	
MIMOSACEAE		
<i>Acacia lasiocarpa</i>	RH,AH	
<i>A. pulchella</i>	RH,BW,PH	
<i>A. saligna</i>	BW	
<i>A. stenoptera</i>	BW	
FABACEAE		
<i>Aotus gracillima</i>	RH	
<i>Bossiaea eriocarpa</i>	RH,BW	
<i>Daviesia decurrens</i>	BW	
<i>Euchilopsis linaris</i>	AH,RH,PH	
* <i>Eutaxia virgata</i>	PH,RH	
* <i>Gompholobium aristatum</i>	BW	
* <i>G. knightianum</i>	BW	
<i>Hardenbergia comptoniana</i>	RH,BW	
<i>Hovea trisperma</i>	BW	
<i>Isotropis cuneifolia</i>	RH,BW	
<i>Jacksonia furcellata</i>	BW	
<i>J. ?sericea</i>	RH (unusual form)	
<i>J. sternbergiana</i>	RH,BW	
<i>Kennedia prostrata</i>	BW,RH	
<i>Oxylobium capitatum</i>	BW	
<i>Pultenaea reticulata</i>	RH,PH	
* <i>Latrobea tenella</i>	RH ? (range end)	
* <i>Sphaerolobium</i> sp.	BW	
* <i>Viminaria juncea</i>	AH	
RUTACEAE		
<i>Boronia crenulata</i>	RH	
<i>B. ramosa</i>	RH	
* <i>B. spathulata</i>	BW,RH	
<i>Eriostemon spicatus</i>	BW,RH	
TREMANDRACEAE		
<i>Platytheca galoides</i>	RH	

POLYGALACEAE		
<i>Comesperma calymega</i>	BW	
* <i>C. confertum</i>	RH	
* <i>C. flavum</i>	RH	
<i>C. ? polygaloides</i>	MW	
EUPHORBIACEAE		
<i>Phyllanthus calycinus</i>	BW	
<i>Poranthera microphylla</i>	RH	
STACKHOUSIACEAE		
<i>Stackhousia pubescens</i>	RH	
* <i>Tripterococcus sp.</i>	RH	
RHAMNACEAE		
* <i>Spyridium tridentatum</i>	BW	
MALVACEAE		
* <i>Lawrenzia squamata</i>	MW	
DILLENIACEAE		
<i>Hibbertia hypericoides</i>	BW,RH	
* <i>H. ? stellaris</i>	AH	
<i>H. subvaginata</i>	RH	
VIOLACEAE		
<i>Hybanthus calycinus</i>	RH	
<i>H. ? floribundus</i>	RH	
THYMELAEACEAE		
* <i>Pimelea lanata</i>	RH	
* <i>P. leucantha</i>	BW	
MYRTACEAE		
<i>Astartea fascicularis</i>	MW	
* <i>Baeckea camphorosmae</i>	BW,RH	
* <i>Beaufortia squarrosa</i>	AH	
<i>Calothamnus ?lateralis</i>	AH	
* <i>C. sanguineus</i>	AH	
* <i>C. quadrifidus</i>	RH	
<i>Calytrix flavescens</i>	BW	
<i>C. fraseri</i>	BW	
<i>Eremaea pauciflora</i>	BW,RH	
<i>Eucalyptus marginata</i>	BW	
<i>E. rufa</i>	RH	
<i>E. todiana</i>	BW	
<i>Hypocalymma angustifolium</i>	AH,RH,PH	
<i>H. robustum</i>	BW,RH	
* <i>Kunzea ericifolia</i>	RH,BW	
<i>Kunzea sp. (micrantha)</i>	RH	
<i>Melaleuca cuticularis</i>	MW	
<i>M. incana</i>	MW,BW,RH,PH	
<i>M. lateriflora</i>	MS	
<i>M. laterita</i>	MS	
<i>M. preissiana</i>	MW,MS	
<i>M. raphiophylla</i>	MW	
<i>M. teretifolia</i>	MW,MS	
<i>M. thymoides</i>	BW,RH	
<i>M. uncinata</i>	MS	

<i>M. viminea</i>	MS
<i>Pericalymma ellipticum</i>	PH,RH
<i>Regelia ciliata</i>	PH,RH
<i>Scholtzia involucrata</i>	RH
<i>Verticordia densiflora</i>	RH
 ONAGRACEAE	
<i>Epilobium billardierianum</i>	MW
 HALORAGACEAE	
<sup>3</sup> <i>Gonocarpus pithyoides</i>	RH,BW
 APIACEAE	
<i>Actinotus glomeratus</i>	BW
<i>Centella cordifolia</i>	MW
<i>Trachymene pilosa</i>	BW
 EPACRIDACEAE	
<i>Astroloma ciliatum</i>	B/W
<i>A. pallidum</i>	BW
<i>Conostephium pendulum</i>	BW
<i>C. preissii</i>	BW
<i>Leucopogon conostephoides</i>	RH
<i>L. australis</i>	BW
<i>Lysinema ciliatum</i>	BW
 LOGANIACEAE	
<i>Mitrasacme paradoxa</i>	AH,MW
 MENYANTHACEAE	
<i>Villarsia capitata</i>	MW
<i>V. submersa</i>	MW
 CHLOANTHACEAE	
<i>Pityrodia uncinata</i>	AH (range end)
 SCROPHULARIACEAE	
* <i>Gratiola peruviana</i>	MW
 OROBANCHACEAE	
<i>Orobanche minor</i>	BW
 LENTIBULARIACEAE	
<i>Polypompholyx multifida</i>	MW,AH
<i>P. tenella</i>	MW,AH
<i>U. Menziesii</i>	MW
<i>U. violacea</i>	MW
 MYOPORACEAE	
* <i>Eremophila glabra</i> (swamp form)	AH
 RUBIACEAE	
<i>Opercularia vaginata</i>	RH,BW
 GOODENIACEAE	
<i>Dampiera linearis</i>	BW
* <i>Goodenia filiformis</i>	MW
<i>Scaevola paludosa</i>	MW,AH

<i>Velleia trinervis</i>	AH,MW
<b>STYLDIACEAE</b>	
* <i>Levenhookia pusilla</i>	MW,AH
<i>L. stipitata</i>	AH
<i>Stylium repens</i>	BW
* <i>S. calcaratum</i>	AH
* <i>S. divaricatum</i>	AH,MW
<i>S. piliferum</i>	BW
* <i>S. roseo-alatum</i>	AH,MW
3* <i>S. utricularioides</i>	MW,AH
<i>S. schoenoides</i>	BW
<b>ASTERACEAE</b>	
<i>Brachycome iberidifolia</i>	AH
<i>Cotula coronopifolia</i>	MW
<i>Lagenifera huegelii</i>	BW
<i>Millotia myosotidifolia</i>	BW
<i>Myriocephalus helichrysoides</i>	MW
<i>Pithocarpa sp.</i>	BW
<i>Podolepis ?gracilis</i>	MS,MW
<i>Quinetia urvillei</i>	BW
* <i>Senecio hispidulus</i>	AH
<i>Waitzia paniculata</i>	BW
<b>TOTAL</b>	<b>294 Natives</b>