

JANDAKOT BOTANICAL PARK REPORT 4  
Vegetation, Flora and Condition of Lot 40, Jandakot  
G.J.Keighery  
June, 1993

VEGETATION

The main vegetation types present are labelled 1,2, and 3 on the accompanying map.

1)Most of the lot is covered by *Banksia* woodland of varying composition depending on drainage and depth to water in winter. On the ridges there is a low woodland of *Banksia menziesii*/*B. attenuata* over low heath (to 1 metre) of *Stirlingia latifolia*, *Eremaea pauciflora*, *Leucopogon conostephioides*, *Astroloma xerophyllum*, *Calytrix flavescens* and *Allocasuarina humilis*. The sedge layer is dominated by *Lyginia barbata*, *Phelbocarya ciliata*, *Amphipogon turbinatus* and *Hypolaena exsulca*.

In the swales and edging drainage lines a low woodland of *Banksia attenuata* is dominant, with scattered *B.menziesii*, *Eucalyptus todtiana* and *B.illicifolia*. This is over a tall shrubland of *Kunzea ericifolia* and *Adenanthos cygnorum*, which is over a low open heath of *Hibbertia subvaginata*, *Scholtzia involuocrata*, *Leucopogon conostephioides* and *Eriostemon spicatus*. The sedge layer is dominated by *Dasypogon bromeliifolius* and *Phelbocarya ciliata*.

2)This vegetation merges into *Melaleuca preissiana* low woodland over tall open shrubland of *Kunzea ericifolia* over closed shrubland of *Pericalymmma ellipticum*, *Astartea fascicularis*, *Aotus intermedia* and *Calothamnus lateralis* in the winter wet drainage lines.

3)On the south-west corner there is a deep water swamp dominated by *Melaleuca raphiophylla* over mixed shrubland of *Melaleuca teretifolia*, *M. lateritia*, *M.viminea* and *Astartea fascicularis*.

CONDITION

Condition ratings are from the attached scale  
Apart from gross disturbance along the Gas Pipeline, adjacent to Forrest Road, and along the northern access track. Both areas appear to have been partially cleared in the past, and are currently regenerating, but require Veldt Grass control. These areas are hatched red on the accompanying map, and are in good condition. The rest of the block is in excellent condition.

SIGNIFICANT SPECIES

Early winter is not an ideal survey period, however, 192 species of plants were recorded (Table one), suggesting the block would easily contain over 200 species if surveyed in detail.

Two significant records were obtained :  
*Gonocarpus pithyoides*, a priority three species was scattered throughout the *Banksia* woodland.  
*Astroloma xerophyllum* is here at its southern margin of it's range, and is the first and only record of this species from the Jandakot Study Area. Previous southern records were from the Wanneroo area. The species is common in the *Banksia* woodland.

TABLE ONE: FLORA LIST

- KEY:  
1= *Banksia* woodland  
2= *Melaleuca preissiana* low woodland  
3= *Melaleuca raphiophylla* low woodland

**PTERIDOPHYTA (ferns)**

*Pteridium esculentum* 2

**GYMNOPHYTA**

**ZAMIACEAE**

*Macrozamia reidleyi* 2

**ANGIOSPERMAE (flowering plants)**

**MONOCOTYLEDONS**

**ANTHERICAEAE**

*Arthropodium capillipes* 1  
*Caesia micrantha* 1  
*Chaemascilla corymbosa* 1  
*Corynotheca micrantha* 1  
*Sowerbaea laxiflora* 1  
*Thysanotus patersonii* 1  
*Thysanotus sparteus* 1  
*Thysanotus thyrsoideus* 1  
*Tricoryne tenella* 1

**CENTROLEPIDACEAE**

*Centrolepis aristata* 1  
*Centrolepis drummondii* 1

**COLCHICACEAE**

*Burchardia umbellata* 1

**CYPERACEAE**

*Baumea acuta* 1  
*Baumea juncea* 3  
*Baumea preissii* 3  
□*Cyperus alterniflorus* 3  
*Cyperus tenellus* 3  
*Isolepis cernua* 1  
*Lepidosperma angustatum* 3  
*Schoenus curviflorus* 1  
*Schoenus rodwayanus* 2  
*Tetraria octandra* 1

**DASYPOGONACEAE**

*Dasyopogon bromeliifolius* 1  
*Lomandra caespitosa* 1  
*Lomandra hermaphrodita* 1  
*Lomandra nigricans* 1  
*Lomandra preissii* 1  
*Lomandra sericea* 1

**HAEMODORACEAE**

*Anigozanthos manglesii* 1  
*Conostylis aculeata* ssp.  
*aculeata* 1  
*Conostylis juncea* 1  
*Conostylis setigera* 1  
*Haemodorum laxum* 1  
*Haemodorum spicatum* 1  
*Phelbocarya ciliata* 1

**IRIDACEAE**

*Patersonia occidentalis* 1  
\**Romulea rosea* var *rosea* 2,3  
\**Sparaxis bulbifera* 3

JUNCACEAE	
Juncus bufonius	1
*Juncus capitatus	2,3
Juncus holoschoenus	3
JUNCAGINACEAE	
Triglochin procera	3
ORCHIDACEAE	
Lyperanthus nigricans	1
Diuris longifolia	2
Eriochilus dilatatus	1
Leporella fimbriata	1
Prasophyllum parviflorum	1
Pterostylis nana	1
Pterostylis vittata	1
POACEAE	
*Aira caryophyllea	1
Amphipogon turbinatus	1
Amphipogon debilis	2
*Briza maxima	1
*Cynodon dactylon	3
Danthonia setacea	1
*Ehrharta calycina	1
*Ehrharta longiflora	3
RESTIONACEAE	
Hypolaena exsulca	1,2
Loxocarya cinerea	1
Loxocarya flexuosa	1
Lyginia barbarta	1,2
TYPHACEAE	
*Typha orientalis	3
XANTHORRHOEACEAE	
Xanthorrhoea preissii	1
<u>DICOTYLEDONS</u>	
AIZOACEAE	
*Carpobrotus edulis	1
AMARANTHACEAE	
Ptilotus drummondii	1
Ptilotus polystachyus	1
APIACEAE	
Actinotus glomeratus	1
Homalosciadum homalocarpum	1
Platysace compressa	1
Trachymene pilosa	1
Xanthosia huegelii	1
ASTERACEAE	
Cotula coronopifolia	3
*Dittrichia graveolens	3
*Hypochoeris glabra	1,2,3
Lagenifera hugelii	1
Millotia tenuifolia	1

Siloxerus humifusus	2,3
*Sonchus oleraceus	3
*Ursinia anthemoides	1
BRASSICACEAE	
*Brassica tournefortii	Disturbed
CASUARINACEAE	
Allocasuarina fraserana	1
Allocasuarina humilis	1
CRASSULACEAE	
Crassula colorata	1
Crassula natans	3
DILLENIAEAE	
Hibbertia hypericoides	1
Hibbertia racemosa	1
Hibbertia subvaginata	1
Hibbertia vaginata	2
DROSERACEAE	
Drosera erythorrhiza	1,2
Drosera glanduligera	1
Drosera macrantha	1
Drosera menziesii	2
EPACRIDACEAE	
Astroloma pallidum	1
Astroloma xerophyllum	1
Conostephium pendulum	1
Conostephium preissii	1
Leucopogon conostephioides	1
Lysinema ciliatum	1
EUPHORBIACEAE	
*Euphorbia peplus	3
GENTIANACEAE	
*Centaurium erythraea	2,3
GERANIACEAE	
*Pelargonium capitatum	Disturbed
GOODENIACEAE	
Dampiera linearis	1
Goodenia pulchella	2
Lechenaultia floribunda	1
Scaevola phlebopetala	1
HALORAGACEAE	
Gonocarpus pithyoides	1
LAMIACEAE	
Hemiandra pungens	1
LAURACEAE	
Cassytha pomiformis	1
Cassytha racemosa	3
LORANTHACEAE	
Nuytsia floribunda	1,2

## MIMOSACEAE

<i>Acacia huegelii</i>	1
<i>Acacia pulchella</i> var. <i>glaberrima</i>	1
<i>Acacia saligna</i>	2,3
<i>Acacia stenoptera</i>	1

## MYRTACEAE

<i>Astartea fascicularis</i>	2
<i>Calothamnus lateralis</i>	2
<i>Calytrix angulata</i>	1
<i>Calytrix fraseri</i>	1
<i>Eremaea pauciflora</i>	1
<i>Eucalyptus todtiana</i>	1
<i>Hypocalymma angustifolium</i>	2,3
<i>Hypocalymma robustum</i>	1
<i>Kunzea ericifolia</i>	1,2,3
<i>Kunzea ?recurva</i>	2
* <i>Leptospermum laevigatum</i>	Disturbed
<i>Melaleuca lateritia</i>	3
<i>Melaleuca leptoclada</i>	2
<i>Melaleuca preissiana</i>	2,3
<i>Melaleuca raphiophylla</i>	3
<i>Melaleuca teretifolia</i>	3
<i>Melaleuca viminea</i>	3
<i>Melaleuca thymoides</i>	1
<i>Pericalymma elliptica</i>	2
<i>Regelia inops</i>	2,3
<i>Scholtzia involucrata</i>	1
<i>Verticordia ?densiflora</i>	1

## OROBANCHACEAE

* <i>Orobanche minor</i>	2
--------------------------	---

## PAPILIONACEAE

<i>Aotus intermedia</i>	2
<i>Aotus procumbens</i>	1,2
<i>Bossiaea eriocarpa</i>	2,3
<i>Daviesia divaricata</i>	1
<i>Daviesia triflora</i>	1
<i>Eutaxia virgata</i>	2
<i>Euchilopsis linearis</i>	2
<i>Gompholobium tomentosum</i>	3
<i>Hardenbergia comptoniana</i>	2
<i>Hovea trisperma</i>	1
<i>Isotropis cuneifolia</i>	1
<i>Jacksonia furcellata</i>	1,2
<i>Jacksonia ?sericea</i>	1
<i>Kennedia prostrata</i>	1
* <i>Lotus angustissimus</i>	2,3
<i>Nemcia capitatum</i>	3
<i>Pultenaea reticulata</i>	2
<i>Sphaerolobium ?medium</i>	3
<i>Templetonia biloba</i>	3

## PITTOSPORACEAE

<i>Pronaya fraseri</i>	1,2
------------------------	-----

## POLYGALACEAE

<i>Comesperma calymega</i>	1
<i>Comesperma confertum</i>	2

## PORTULACACEAE

Calandrinia	
<i>corrigioigloides</i>	1
<i>Calandrinia granulifera</i>	1
PRIMULACEAE	
* <i>Anagallis arvensis</i>	2
PROTEACEAE	
<i>Adenanthos cygnorum</i>	1
<i>Adenanthos obovatus</i>	1,2
<i>Banksia attenuata</i>	1
<i>Banksia illicifolia</i>	1,2
<i>Banksia menziesii</i>	1
<i>Dryandra nivea</i>	1
<i>Hakea prostrata</i>	1
<i>Hakea sulcata</i>	2,3
<i>Hakea varia</i>	2
<i>Persoonia saccata</i>	1
<i>Petrophile linearis</i>	1
<i>Stirlingia latifolia</i>	1
RUBIACEAE	
<i>Opercularia vaginata</i>	3
RUTACEAE	
<i>Boronia crenulata</i>	3
<i>Boronia ramosa</i>	2
<i>Eriostemon spicatus</i>	2,3
SCROPHULARIACEAE	
<i>Gratiola peruviana</i>	3
SOLANACEAE	
* <i>Solanum nigrum</i>	2
STACKHOUSIACEAE	
<i>Stackhousia pubescens</i>	1
<i>Triterococcus brunonis</i>	1
STYLIDIACEAE	
<i>Stylidium brunonianum</i>	1,2
<i>Stylidium calcaratum</i>	1
<i>Stylidium piliferum</i>	1
<i>Stylidium repens</i>	1
THYMELEACEAE	
<i>Pimelea sulphurea</i>	1
TREMANDRACEAE	
<i>Platytheca galioides</i>	1
VIOLACEAE	
<i>Hybanthus calycinus</i>	1