

## Whitewells2

Whitewells Station is not well-known botanically. There are 32 collections in the WA Herbarium recorded from the station, 19 of these were made by C.A. Gardner, 11 in August 1953, and 8 in 1960. There are also 7 collections made by Denis Mason (of Whitewells Station) in the early 1960's. All the priority taxa recorded there have been found adjacent to the Great Northern Highway where it passes through the station. Botanical survey on the station is therefore a high priority.

The presence of uncleared areas of sandplains on the station are particularly important in relation to the priority taxa that may occur there. On the Mullewa- Wubin Road, between Maya and Perenjori to the west of Whitewells, 17 poorly known taxa have been recorded. Of these 10 occur on sandplain. A few have been recorded from the eastern side of Whitewells Station, indicating that some elements of this northern Avon Wheatbelt vegetation extend to the east of the Rabbit Proof Fence Road onto the station. West of this in the wheatbelt the natural vegetation is highly fragmented, and those fragments are in some cases subject to increasing salinity or other threats such as weed invasion. It is therefore important that these large intact areas representative of the northern Avon Wheatbelt vegetation on the station should become part of the reserve system.

### 1. Recorded on Whitewells

#### Woodlands

*Persoonia pentasticha* Priority 2 (also near granites)

#### Yellow Sandplain

*Acacia formidabilis* Priority 3

*Verticordia venusta* Priority 3

*Comesperma griffinii* ms Priority 2

#### Sandy soils, lake edges

*Philotheca nutans* Priority 1

### 2. Other priority taxa which occur in the vicinity and may be present on Whitewells.

#### Woodlands

*Grevillea granulosa* Priority 3

*Cryptandra imbricata* Priority 3

#### Yellow Sandplain with shrubland

*Astartea clavifolia* Priority 2

*Acacia isoneura* subsp. *nimia* Priority 3

*Acacia nigripilosa*  
subsp. *latifolia* Priority 3

*Baeckea* sp. *Bunjil* Priority 1

*Euryomyrtus recurva* Priority 3 (Also on red sand and sandy clay)

*Calytrix plumulosa* Priority 3 (also on red loam)

<i>Goodenia perryi</i>	Priority 3
<i>Grevillea asparagoides</i>	Priority 3
<i>Jacksonia velutina</i>	Priority 3
<i>Pityrodia axillaris</i>	Priority 1
<i>Urodon capitatus</i>	Priority 3

### **Red sand or Sandy clay in *Acacia* shrubland**

*Acacia inceana* subsp. *latifolia* Priority 1

### **Sand over laterite**

*Stylidium coroniforme* DRF

### **Flats on loamy sands near drainage lines or lakes**

*Eremophila viscida* DRF

### **Eremaean Landsystem**

#### **Saltlake system on saline flats**

<i>Gnephosis setifera</i>	Priority 1
<i>Angianthus micropodioides</i>	Priority 3
<i>Chamelaucium conostigmum</i>	Priority 3

### **Greenstones**

Presence of basalt and laterite on the hills in the north east corner of Whitewells Station may indicate the occurrence of a number of restricted species which are found mainly further to the east and northeast. None of these have yet been found on Whitewells but I have undertaken no survey work in that area for priority taxa.

These include:

<i>Acacia acanthoclada</i> subsp. <i>glaucescens</i>	Priority 3
<i>Acacia imitans</i>	DRF
<i>Acacia unguicula</i>	DRF
<i>Allocasuarina tessellata</i>	Priority 1
<i>Dodonaea</i> sp. <i>Ninghan</i>	Priority 1
<i>Grevillea scabrida</i>	Priority 3
<i>Grevillea subtiliflora</i>	Priority 1
<i>Hybanthus cymulosus</i>	DRF
<i>Micromyrtus cuensis</i>	Priority 1
<i>Micromyrtus</i> sp. <i>Warriedar</i>	Priority 1
<i>Psammomoya implexa</i>	Priority 3 (may have been found on
Whitewells by Gardner.)	

### **Granites**

Areas of granites, particularly in the north west corner may have populations of other priority taxa. None are at present recorded there, but there has been no survey for them in that area as far as I am aware.

<i>Baeckea</i> sp. <i>Paynes Find</i>	Priority 1
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*Acacia cerastes* Priority 1  
*Eucalyptus crucis* subsp. *praecipua* DRF  
*Wurmbea murchisoniana* Priority 4  
*Korthalsella leucothrix* Priority 1 (parasitic on *Acacia acuminata* around granite rock)  
*Eucalyptus crucis* subsp. *praecipua* Declared Rare Flora