

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 griffithii 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

Astarea clavifolia Priority 2

Acacia isoneura subsp. *nimbia* 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)

Red sand or Sandy clay in *Acacia* shrubland

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

Sand over laterite

<i>Stylidium coroniforme</i>	DRF
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Flats on loamy sands near drainage lines or lakes

<i>Eremophila viscida</i>	DRF
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Eremaean Landsystem

Saltlake system on saline flats

<i>Gnephosis setifera</i>	Priority 1
<i>Angianthus micropodioides</i>	Priority 3
<i>Chamaelacium 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
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<i>Acacia imitans</i>	DRF
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<i>Acacia unguicula</i>	DRF
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<i>Allocasuarina tessellata</i>	Priority 1
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<i>Dodonaea</i> sp. <i>Ninghan</i>	Priority 1
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<i>Grevillea scabrada</i>	Priority 3
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<i>Grevillea subtiliflora</i>	Priority 1
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<i>Hybanthus cymulosus</i>	DRF
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<i>Micromyrtus cuneata</i>	Priority 1
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<i>Micromyrtus</i> sp. <i>Warriedar</i>	Priority 1
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<i>Psaunmodon implexa</i>	Priority 3 (may have been found on
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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
 DRF
Eucalyptus crueis subsp. *praecipua*
 Priority 4
Wurmbea murchisoniana
 Priority 4
Korihalsella leucolhrix
 Priority 1 (parasitic on *Acacia acuminata* around granite rock)
Eucalyptus crueis subsp. *praecipua* Declared Rare Flora