

SITE DESCRIPTION: JF3 – NOBLE FALLS

Boundary Definition: Reserve boundary as per CAD Reserves GIS Shapefile (DEC 2006)

SECTION 1: LOCATION INFORMATION

Perth Regional Plant Biodiversity Jarrah Forest Reference Site no. JF3 **Area (ha):** 46 ha

Map no. JF3, 1, 2 and 3

Other Names: 2621 Toodyay Rd

Local Authorities (Suburb): City of Swan (Gidgegannup)

SECTION 2: REGIONAL INFORMATION

LANDFORMS (HAVEL AND MATTISKE 2000)

Dwellingup (D) = Darling Plateau – Lateritic uplands

Murray (My) = Darling Plateau – Major valleys combing slopes and floors

VEGETATION AND FLORA (HAVEL AND MATTISKE 2000)

Vegetation Complexes (JF3 Map 1)

Murray 2 (My2), Dwellingup 4 (D4)

Ecological Vegetation Systems

Wm2, Ip3

WETLANDS

Wetland Types: Wooroloo Brook

THREATENED ECOLOGICAL COMMUNITIES

None listed in TEC GIS Shapefile (DEC 2006)

SECTION 3: SPECIFIC SITE DETAIL

Landscape Features: Moderately deeply incised slopes with dark brown gravely loams and occasional granite and dolerite outcrops with Wooroloo Brook at its base. Dwellingup area described as “margin of the Darling Plateau next to a mayor river dissection yellow brown gravely sandy loam over pale sandy clay at depth; some lateritic outcrop”(Havel and Mattiske 2000).

Vegetation and Flora: Jarrah / Marri Woodland high on D4 grading down through open Wandoo woodlands and shrublands to Blackbutt/Flooded Gum woodlands closer riparian areas. Granite outcrops contain lithic complexes ranging from herblands to heathlands and medium shrublands and small stands of Rock Sheoak woodlands (Molloy 2007).

Structural Units (Havel and Mattiske 2000)

Wm2= Major valleys moderately incised into the subhumid to arid zones of the northern Darling Plateau. Vegetation ranges from Woodland of *Eucalyptus patens*, *E. rudis* and *Melaleuca raphiophylla* on valley floors to Woodland of *E. wandoo* and *E. calophylla* on slopes. Shrub and herb story of *Lepidosperma squamatum*, *Hypocalymma angustifolium*, *Astartea fascicularis*, on valley floor to *Hakea lissocarpa*, *Baekea camphorosmae*, *Gastrolobium calycinum*, on slopes.

IP3= Upland ridges and spurs in the subhumid zone with gravely duplex soils and lateritic outcrops. Open forest of *Eucalyptus marginata* subsp. *thassalica* and *E. calophylla* with a weakly developed second storey of *Allocasuarina fraseriana*, and *Banksia grandis*. Shrub and herb storey consists of, *Xanthorrhoea gracilis*, *Leschenaultia biloba*, *Hibbertia hypericoides* and *Neurachne alopecurodea*.

Vegetation Condition: 55% excellent, 30% very good, 10% poor, 3% degraded, 2% poor. Weed invasion (predominately *Watsonia*) and high fire frequency appear to be the main causes (Woodman 2004).

Total Flora: 97 native species and 11 weeds species (Woodman 2004).

Significant Flora: *Grevillea manglesii* subsp *manglesii* (local endemic) no priority flora or TECs on database (Woodman 2004).

Fauna: Western Grey Kangaroos *Macropus fuliginosus* has been observed on site as have Echidnas *Tachygllossus aculeatus*, and Quenda *Isodon obesulus*. Chudich *Dasyurus geoffroii* has found in the vicinity (John Dell pers com 2007). There are indications that Brush tailed possums *Trichosurus vulpecular* reside in this reserve (Molloy 2007). Carnaby’s Cockatoo *Calyptorhynchus latirostris*, and Baudin’s Cockatoo site *Calyptorhynchus baudinii* (Both endangered Species) frequent this site (Gole 2004).

Linkage: Direct linkage to road reserves, Wooroloo Brook riparian reserves and remnants in surrounding private property. Links indirectly (landscape context) to

other regional reserves.

Other Special Attributes: Aboriginal site 3797, known as Bailup ceremonial grounds. Historically the area was an important stop for travellers in their journey from Perth to Toodyay and beyond. Currently used as a picnic and 24 hour camping area, walk trail.

SECTION 4: INTERNATIONAL AND NATIONAL SIGNIFICANCE

None listed.

References

Gole, C. A, (2004) Bird surveys in selected Perth metropolitan reserves: Rounds 1 and 2 survey reports. A joint biodiversity conservation project between Birds Australia WA and the Perth Biodiversity Project. Birds Australia. Floreat Park.

Havel, J.J. and Mattiske, E.M. (2000), Vegetation mapping of South West Forest Regions of Western Australia. Department of Conservation and Land Management, Perth.

Molloy, S., (2007) Jarrah forest reference site field notes. Northern Transect. Unpublished.

Woodman Environmental Consulting Pty. Ltd. (2004), City of Swan Local Biodiversity and Green Plan, Flora and Fauna Assessment, Assessment of Corridor Plan, and Assessment of Priorities for further Investigation, RFQ Q22/03/TA. A report for the City of Swan.

Personal communication

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