

SITE DESCRIPTION:

JF1 – JOHN FORREST NATIONAL PARK

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. JF1 **Area (ha):** 2,676

Map no. JF1, 1 and 2

Other Names: A7537

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

SECTION 2: REGIONAL INFORMATION

LANDFORMS (HAVEL AND MATTISKE 2000)

Darling Scarp (DS) = Darling Plateau - Ridge Hill Shelf

Helena (H) = Darling Plateau - Major valleys combining slopes and floors

Dwellingup (D) = Darling Plateau – Lateritic uplands

Yarragil (Yg) = Darling Plateau – Minor valleys

VEGETATION AND FLORA (HAVEL AND MATTISKE 2000)

Vegetation Complexes (JF 1 Map 1)

Forrestfield (Fo), Darling scarp (DS), Helena (He2), Yarragil 2 (Yg2), Dwellingup 2 (D2)

Ecological Vegetation Systems (Havel and Mattiske 2000)

Ic2, Rs4, JP4, HI6, WS2,

WETLANDS

Wetland Types: Jane Brook

THREATENED ECOLOGICAL COMMUNITIES

None listed in TEC GIS Shapefile (DEC 2006)

SECTION 3: SPECIFIC SITE DETAIL

Landscape Features: Steep slopes of the northern Darling Scarp with red lateritic clay soils with numerous granitic and doleritic outcrops and associated shallow skeletal sands with a predominantly westerly aspect (Molloy 2007).

Vegetation and Flora: Supergroup 1, FCT2, Southern granite shrublands and woodlands (Markey 1997)

Structural Units

Granite outcrop communities (Lithic complex) of *Borya sphaerocephala*, *Chelianthes austrotenuifolia*, *Stylidium spp.* and *Nuerachne alopecuroides*. Shrubland of *Hakea prostrata*, *trifurcata*, *H. undulata*, *Grevillea endlicheriana*, *Calothamnus quadrifidus* and *Petrophile biloba*. Intermittent patches of open woodland of *Eucalyptus wandoo*, and *Corymbia calophylla* associated with sheltered and/or water gaining sites (Molloy 2007).

Vegetation Condition: 40% excellent 40% very good 20% disturbed (Molloy 2007).

Total Flora: 490 species of plant have been recorded in the John Forest National Park (CALM 1994). 40+ species were recorded during an informal site inspection (Molloy 2007).

Significant Flora: *Anthroceris gracillis* (DRF), *Thysoctonus anceps* (P3), *Diplolaena andrewsii* (P2), *Templetonia drummondii* (P4), and *Darwinia pimeliodes* (P4) have been recorded in the park (Western Australian Herbarium 1998-)

Fauna: Western Grey Kangaroo *Macropus fuliginosus* and Euro *Macropus robustus* are known to occur at this site. Ten frogs, 23 reptiles, 63 bird species and small marsupials (Honey possum *Tarsipes rostratus*, Common dunnart *Sminthopsis gilberti*, Western Pygmy – possum *Cercartetus cocinnus*, Chudich *Dasyurus geoffroyi*, Quenda *Isodon obesulus* and Yellow footed Antechinus *Antechinus flavipes* have been recorded in the park (Ninox 1991))

Linkage: Seen as a focal point for regional biodiversity linkages by the Shire of Mundaring, Shire of Swan and Department of Environment and Conservation (Woodman 2004, CALM 1994)

Other Special Attributes: Signage and facilities enhance public engagement and education values of this reserve. This is one of Australia's earliest national parks (established in 1898) and is an area of great significance to Noongar people (CALM 1994).

SECTION 4: INTERNATIONAL AND NATIONAL SIGNIFICANCE

Listed on the National Estate Register.

References

Department of Conservation and Land Management (CALM) (1994), John Forrest National Park Management Plan 1994-2004. Department of Conservation and Land Management Perth.

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.

Markey, A. (1997), A Floristic Survey of the Northern Darling Scarp. A report to: the Department of Conservation and Land Management, the Department of Environmental Protection, and the Western Australian Conservation Council for the Australian Heritage Commission. Department of Conservation and Land Management Perth.

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

Ninox Wildlife Consulting (1991), Flora and Fauna Survey of John Forrest National Park and the Red Hill Area. Report to the Heritage Council of Western Australia. Department of Conservation and Land Management. Perth.

Western Australian Herbarium, 1998-. *FloraBase - The Western Australian Flora*. Department of Environment and Conservation. <http://florabase.dec.wa.gov.au/> accessed October 2007.

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.