



Corymbia calophylla - *Eucalyptus marginata* woodlands on sandy clay soils of the southern Swan Coastal Plain (floristic community type 3b as originally described in Gibson et al. (1994))

TEC Description

The community is known from the eastern side of the Swan Coastal Plain largely between Queens Park and Dunsborough. Most sites of the community type are dominated by both *Corymbia calophylla* (marri) and *Eucalyptus marginata* (jarrah) with additional common taxa comprising low shrubs, sedges, grasses and herbs. These include *Bossiaea eriocarpa* (common brown pea), *Conostylis juncea*, *Hibbertia hypericoides* (yellow buttercups), *Tetraria octandra*, *Chamaescilla corymbosa* (blue squill), *Desmocladius fasciculatus*, *Banksia dallanneyi* (couch honeypot), *Mesomelaena tetragona* (semaphore sedge), *Babingtonia camphorosmae* (camphor myrtle), *Lepidosperma squamatum*, *Neurachne alopecuroidea* (foxtail mulga grass), *Philothea spicata* (pepper and salt), *Burchardia congesta*, *Caesia micrantha* (pale grass-lily), *Kingia australis* (kingia), *Drosera erythrorhiza* (red ink sundew), *Lomandra hermaphrodita* and *Caladenia flava*. The community is also known as “floristic community type 3b” as originally described in Gibson N., Keighery B.J., Keighery G.J., Burbidge A.H. and Lyons M.N. (1994) “A floristic survey of the southern Swan Coastal Plain” (unpublished report for the Australian Heritage Commission prepared by the Department of Conservation and Land Management and the Conservation Council of Western Australia (Inc.)).



Distribution

The community occurs from near Wattle Grove to south of Harvey.

Department of Biodiversity, Conservation and Attractions (DBCA) Regions: Swan, South West

DBCA Districts: Swan Coastal, Perth Hills, Busselton, Wellington

Local Government Authorities: City of Armadale and Gosnells; Shires of Murray, Harvey, Serpentine-Jarrahdale and Waroona

Habitat Requirements

The community is found on alluvial soils and better-drained sites on the eastern side of the southern Swan Coastal Plain.

Indigenous Interests

An Aboriginal Sites Register is kept by the Department of Indigenous Affairs. The South West Aboriginal Land and Sea Council (SWALSC), an umbrella group, covers the areas in which the community occurs. Registered Aboriginal sites are recorded close to occurrences of the community. Traditional Owner groups: Whadjuk and Pindjarup.

Conservation Status

Listed as vulnerable under WA Minister Environmentally Sensitive Areas list in policy.

Threatening Processes

The major threats to the community are land clearing for infrastructure, dieback disease caused by *Phytophthora* species, weed invasion, altered fire regimes, grazing, trampling by walkers and horses, and hydrological change.

Recovery Plan

A recovery plan is recommended for the community. Priority recovery actions include fencing and restricting access to remnants that contain the community, weed control, monitoring and treatment of dieback disease to prevent further spread, and hydrological studies.

Citation

Department of Biodiversity, Conservation and Attractions. (2020). Recovery plans and interim recovery plans <https://www.dpaw.wa.gov.au/plants-and-animals/threatened-species-and-communities/wa-s-threatened-ecological-communities>

Key References

Gibson, N., Keighery, B., Keighery, G., Burbidge, A and Lyons, M. (1994) A floristic survey of the Southern Swan Coastal Plain. Unpublished report for the Australian Heritage Commission prepared by the Department of Conservation and Land Management and the Conservation Council of Western Australia (Inc.).

Keighery, G.J. Keighery, B.J., Longman, V.M. and Clarke, K. (2006). The vegetation and vascular flora of System 6 recommendation C53 (Coolup Reserves) and adjacent bushland, Shire of Waroona. A report for Swan Bioplan, Department of Environment and Conservation, Western Australia.

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