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Our ref: 5106-24L Approvals response data consolidation

Reviewed: SK 31.03.2025

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Dear ██████████

FLYNN DRIVE DCCEEW RESPONSE - DATA CONSOLIDATION

During the process of reviewing data to prepare the response to DCCEEW (EPBC 2024/09948) it became apparent that there were issues with aligning linework and consolidating the flora and vegetation values of the project area footprint.

The causes of this misalignment were numerous including that the flora and vegetation surveys that were commissioned by the City of Wanneroo to inform the environmental assessment process had been conducted independently without consideration that the data would need to be merged. This was also the case for immediately adjacent areas, the environmental values of which are also significant to inform the values of the areas proposed to be cleared.

Vegetation types

A floristic analysis was conducted to confirm that the vegetation within the two road sections is of one contiguous type, and also contiguous with adjacent areas (which is relevant to Banksia Woodlands of the Swan Coastal Plain TEC assessment). The result (**Figure 1**) shows that all quadrats characterised by *Banksia* spp. or having Banksia as a co-dominant species (indicated by 'Ba', 'Bm' or 'Bspp' within the code) are within the same floristic group (i.e. above the red line, which separates different floristic types), providing validity to the merging of vegetation types into a single unit. It further validates that if cover, condition and extent thresholds are met according to the Approved Conservation Advice (Threatened Species Scientific Committee, 2016), the vegetation is representative of the *Banksia Woodlands of the Swan Coastal Plain* TEC.

The floristic analysis indicates that a single vegetation unit is appropriate for the Banksia woodland. Based on the dominant upper stratum species and cover of all component quadrats (taken from the relevant report quadrat data sheets), an appropriate upper stratum name is *Banksia attenuata*, *Allocasuarina fraseriana* and *Eucalyptus marginata* subsp. *marginata* low woodland.

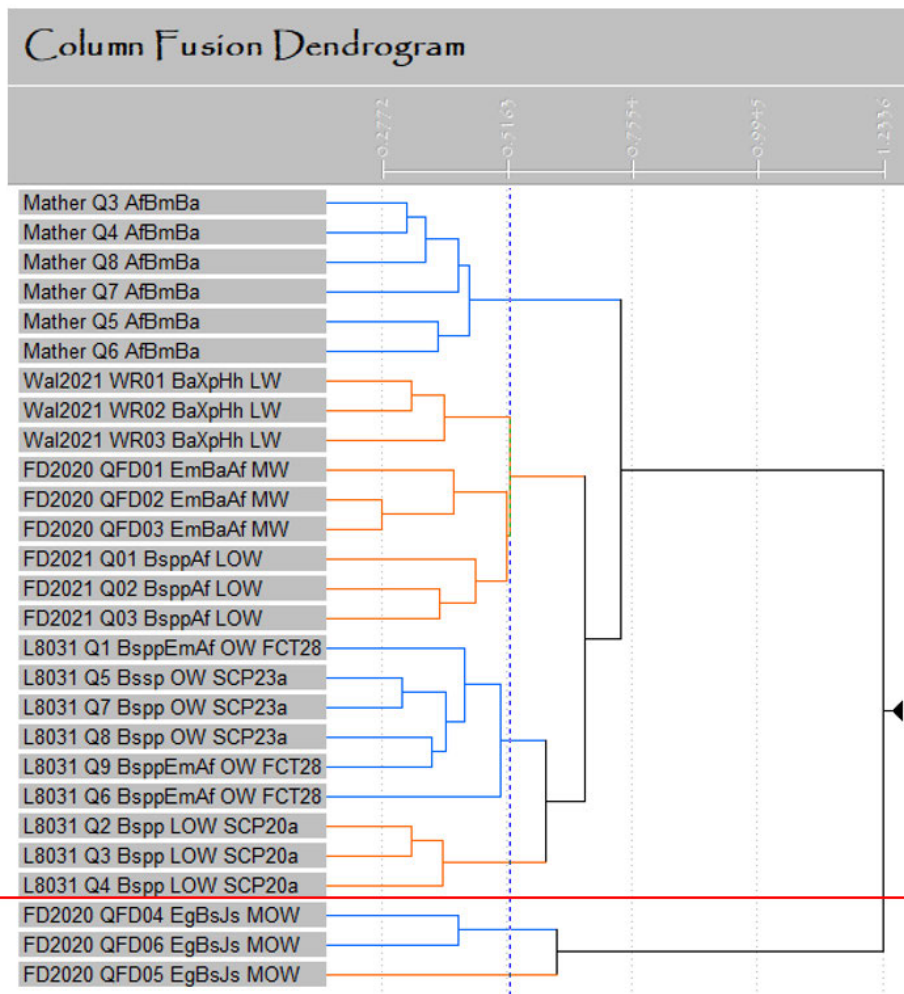


Figure 1: Combined floristic analysis

Figure 1 code legend:

- First 'phrase' refers to survey location as per below
- Second 'phrase' refers to discrete quadrat number within the survey
- Third 'phrase' refers to an abbreviated vegetation type
- Additional 'phrases' refer to structure/floristic community type.

Survey location references:

- Mather – Mather Park; Terratree (2016) *Level 2 Flora & Vegetation Assessment of Conservation Offset Areas*
- Wal2021 – Wallangarra Reserve; Ecoscape (2022b) *Wallangarra Reserve Flora & Vegetation Survey 2021*
- FD2020 – Flynn Drive; Ecoscape (2021) *Flynn Drive Flora and Vegetation Survey 2020*
- FD2022 – Flynn Drive; Ecoscape (2022a) *Flynn Drive (Stage 2) Flora and Vegetation Survey 2021*
- L8031 – Lot 8031; NACMS (2023) *Detailed Flora Survey at Lot 8031 Flynn Drive, Banksia Grove.*

Vegetation condition

Mismatches in vegetation condition could not be consolidated between the two survey areas using desktop assessment methodologies. Only a small extent at the merge between the two Flynn Drive flora and vegetation surveys (Ecoscape 2021; 2022a) required consolidation, which has now been attributed according to the most likely interpretation based on vegetation density indicated on aerial imagery.

Extents

Extents of native vegetation within the project area footprint have been refined using the latest available aerial imagery (Nearmap Australia Pty Ltd, 2025) to accurately represent the impact of the proposed road widening works.

This refinement included removing cleared areas, particularly firebreaks and tracks, the interpretation of which as 'native vegetation' or 'not vegetated' varied between the two Ecoscape (2021, 2022a) surveys undertaken to support the Flynn Drive widening works.

Refining the vegetation extents will also be reflected in fauna habitat extent mapping.

Approvals response document

These refined extents will be utilised within the approvals response document.

Yours sincerely

Ecoscape (Australia) Pty Ltd

Principal Ecologist

References

- Ecoscape (Australia) Pty Ltd. (2021). *Flynn Drive Flora and Vegetation Survey 2020*.
- Ecoscape (Australia) Pty Ltd. (2022a). *Flynn Drive (Stage 2) Flora and Vegetation Survey 2021*.
- Ecoscape (Australia) Pty Ltd. (2022b). *Wallangarra Reserve Flora & Vegetation Survey 2021*.
- Natural Area Consulting Management Services. (2023). *Detailed Flora Survey at Lot 8031 Flynn Drive, Banksia Grove*.
- Nearmap Australia Pty Ltd. (2025). *Nearmap*.
https://www.nearmap.com/au?utm_source=google&utm_medium=organic
- Terratree. (2016). *Level 2 Flora & Vegetation Assessment of Conservation Offset Areas*.
- Threatened Species Scientific Committee. (2016). *Approved conservation advice (incorporating listing advice) for the Banksia Woodlands of the Swan Coastal Plain ecological community*. Department of the Environment and Energy. <http://www.environment.gov.au/cgi-bin/sprat/public/publicshowcommunity.pl?id=131&status=Endangered>