

24 May 2018

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## Block 3 Section 65, Campbell, ACT – Tree Habitat Assessment

Capital Ecology project no. 2785

Dear Mr Thompson,

This letter provides an assessment of the fauna habitat values of the trees located in Block 3 Section 65, Campbell, ACT (the 'site'). The site previously contained approximately 21 defence houses. These houses have been demolished and Defence Housing Australia (DHA) are proposing to redevelop the site.

All trees within the site were retained during the demolition of the houses. The removal of many of these trees has already been approved by the National Capital Authority (refer to Enviro Links Design 2017<sup>1</sup>). Capital Ecology was commissioned by DHA to assess those trees located within the site which have not yet been approved for removal, and which are located within proposed block boundaries (refer to Enviro Links Design 2017, Purdon Planning 2018<sup>2</sup>).

On 18 May 2018, Capital Ecology visited the site and assessed all of the trees identified in Enviro Links Design (2017) and located within the site. This included both the trees already approved for removal and those which have not been approved for removal.

The results of Capital Ecology's tree habitat assessment are provided in Appendix A. Tree identification numbers were determined based on Enviro Links Design (2017), and the following details were recorded for each tree.

- <u>Tree Number</u> a unique identifying number allocated to the tree, based on Enviro Links Design (2017).
- <u>Species Name</u> and <u>Common Name</u>.
- <u>Remnant / Naturally Occurring</u> or <u>Planted</u>.

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<sup>&</sup>lt;sup>1</sup> Enviro Links Design (2017). *Existing Tree Analysis*. Job No. 1120, DWG No. TMP01, 27 November 2017.

<sup>&</sup>lt;sup>2</sup> Purdon Planning. *DHA Academy Close Masterplan*. February 2018.



- <u>Diameter at Breast Height</u> (DBH) measured with a DBH tape.
- <u>Height</u> the approximate height of the tree measured with a clinometer.
- Hollows the number and characteristics of any hollows present.
- <u>Alive</u> or <u>Dead</u>.
- <u>Overall Habitat Value</u> Low, Moderate, High, Very High. This was determined based on the presence of hollows, other habitat values such as mistletoe, whether the tree is naturally occurring and/or Plant Community Type (PCT) appropriate, and whether the tree has the potential to develop valuable habitat over time.
- <u>Other Notes</u> regarding any other notable features observed.

Appendix B provides a photograph of each of the assessed trees in the site. Figure 1 shows the location of the site, and Figure 2 shows the site and assessed trees on 2018 Nearmap aerial imagery.

In total Capital Ecology assessed 38 trees within the site. Of these trees, 17 contain hollows and therefore have 'Very High' habitat value. Another 17 trees have 'High' habitat value, based on other characteristics such as the presence of mistletoe/nests and/or on the tree's potential to develop important habitat for fauna in the future (based largely on the species of tree). Finally, 4 trees have 'Low' habitat value as they have been planted and are an inappropriate species for the PCT of the site (determined to be 'ACT-PCT16 - White Box – Yellow Box – Blakely's Red Gum Grassy Woodland and Derived Native Grassland').

The trees of 'Very High' and 'High' habitat value are likely to provide a valuable foraging resource to a variety of woodland birds and a nesting resource to hollow dependent fauna. As the site adjoins the Mount Ainslie Nature Reserve, the trees within the site are also likely to provide a 'stepping-stone' link to other areas located deeper within the urban areas of Campbell and beyond. We therefore recommend that the development design retain as many as practicable of the trees assessed to have 'Very High' or 'High' habitat.

We trust that this assessment provides the information required. If, however, you should have any questions, please do not hesitate to contact us.

Yours sincerely,

Jubertysens

Robert Speirs Director / Principal Ecologist

Sam Reid

Dr Sam Reid Consultant Ecologist



## **Attachments:**

Figure 1. Locality Plan Figure 2. Site Boundary and Assessed Trees Appendix A. Tree Habitat Assessment Appendix B. Tree Photo Plates





## Appendix A. Tree Habitat Assessment

| Tree Number | Species Name    | Common Name       | Remnant/<br>Planted | DBH<br>(cm) | Height<br>(m) | Overall Habitat Value | Hollows |   |   |    | Alive/ |                         |
|-------------|-----------------|-------------------|---------------------|-------------|---------------|-----------------------|---------|---|---|----|--------|-------------------------|
|             |                 |                   |                     |             |               |                       | S       | м | L | XL | Dead   | Other Ha                |
| T01         | E. blakelyi     | Blakely's Red Gum | Remnant             | 55/50       | 13            | Very High             | 1       | - | 1 | -  | А      | Substantial dieback     |
| T02         | E. blakelyi     | Blakely's Red Gum | Remnant             | 58          | 12            | High                  | -       | - | - | -  | A      | Substantial dieback     |
| T03         | E. melliodora   | Yellow Box        | Remnant             | 102         | 25            | Very High             | 4       | 2 | 2 | -  | A      | 3 x Mistletoe           |
| T04         | E. polyanthemos | Red Box           | Planted             | 54          | 15            | Low                   | -       | - | - | -  | A      |                         |
| T05         | E. blakelyi     | Blakely's Red Gum | Remnant             | 59          | 17            | High                  | -       | - | - | -  | A      |                         |
| T06         | E. blakelyi     | Blakely's Red Gum | Remnant             | 58          | 18            | High                  | -       | - | - | -  | A      |                         |
| T07         | E. melliodora   | Yellow Box        | Remnant             | 84          | 22            | Very High             | 3       | 1 | - | -  | A      | Half of tree is dead    |
| T08         | E. blakelyi     | Blakely's Red Gum | Remnant             | 61          | 8             | Very High             | 2       | - | - | -  | A      | Substantial dieback     |
| T30         | E. melliodora   | Yellow Box        | Remnant             | 47          | 13            | Very High             | 1       | 1 | - | -  | D      |                         |
| T31         | E. melliodora   | Yellow Box        | Remnant             | 69          | 12            | High                  | -       | - | - | -  | A      |                         |
| T32         | E. melliodora   | Yellow Box        | Remnant             | 85          | 16            | Very High             | 3       | 3 | - | -  | A      |                         |
| T33         | E. goniocalyx   | Bundy             | Planted             | 66          | 12            | Low                   | -       | - | - | -  | A      |                         |
| T35         | E. melliodora   | Yellow Box        | Remnant             | 69          | 13            | Very High             | 1       | 1 | - | -  | A      |                         |
| T36         | E. blakelyi     | Blakely's Red Gum | Remnant             | 89          | 15            | Very High             | 2       | 2 | 3 | -  | A      |                         |
| T37         | E. melliodora   | Yellow Box        | Remnant             | 72          | 17            | Very High             | 1       | 1 | - | -  | A      |                         |
| T39         | E. melliodora   | Yellow Box        | Remnant             | 36          | 9             | High                  | -       | - | - | -  | A      |                         |
| T40         | E. melliodora   | Yellow Box        | Remnant             | 40          | 7             | High                  | -       | - | - | -  | A      |                         |
| T41         | E. melliodora   | Yellow Box        | Remnant             | 25          | 10            | High                  | -       | - | - | -  | A      |                         |
| T42         | E. melliodora   | Yellow Box        | Remnant             | 72          | 18            | Very High             | 2       | 1 | - | -  | A      |                         |
| T43         | E. blakelyi     | Blakely's Red Gum | Remnant             | 65          | 12            | Very High             | -       | 1 | - | -  | A      | Substantial dieback     |
| T52         | E. melliodora   | Yellow Box        | Remnant             | 69          | 14            | High                  | -       | - | - | -  | A      |                         |
| T53         | E. bridgesiana  | Apple Box         | Remnant             | 73          | 11            | High                  | -       | - | - | -  | A      |                         |
| T54         | E. blakelyi     | Blakely's Red Gum | Remnant             | 60          | 14            | High                  | -       | - | - | -  | A      | 1 x Mistletoe present   |
| T55         | E. blakelyi     | Blakely's Red Gum | Remnant             | 68          | 12            | Very High             | -       | 1 | 1 | -  | A      | 1 x Mistletoe; 2 x Smal |
| T56         | E. melliodora   | Yellow Box        | Remnant             | 73          | 17            | Very High             | 2       | - | - | -  | A      |                         |
| T58         | E. polyanthemos | Red Box           | Planted             | 38          | 9             | Low                   | -       | - | - | -  | A      |                         |
| T59         | E. bridgesiana  | Apple Box         | Planted             | 55          | 14            | High                  | -       | - | - | -  | A      |                         |
| T60         | E. rubida       | Candlebark        | Planted             | 50          | 10            | High                  | -       | - | - | -  | A      |                         |
| T61         | E. melliodora   | Yellow Box        | Planted             | 45/29/27    | 11            | High                  | -       | - | - | -  | A      |                         |
| T62         | E. melliodora   | Yellow Box        | Remnant             | 59          | 15            | Very High             | 2       | 1 | - | -  | A      |                         |
| T63         | E. melliodora   | Yellow Box        | Remnant             | 61          | 17            | Very High             | -       | 1 | - | -  | A      |                         |
| T64         | E. blakelyi     | Blakely's Red Gum | Remnant             | 64/45       | 16            | Very High             | 2       | - | - | -  | A      | 3 x Mistletoe           |
| T66         | E. polyanthemos | Red Box           | Planted             | 49          | 13            | High                  | -       | - | - | -  | A      | 1 x Nest box            |
| T67         | E. blakelyi     | Blakely's Red Gum | Remnant             | 87          | 14            | Very High             | 1       | 2 | - | -  | A      | 1 x Nest box            |
| T69         | E. blakelyi     | Blakely's Red Gum | Remnant             | 55          | 10            | High                  | -       | - | - | -  | A      |                         |
| T70         | E. melliodora   | Yellow Box        | Remnant             | 78          | 16            | High                  | -       | - | - | -  | A      |                         |
| T71         | E. blakelyi     | Blakely's Red Gum | Remnant             | 60          | 17            | High                  | -       | - | - | -  | A      | 1 x Mistletoe; Substant |
| T71B        | E. goniocalyx   | Bundy             | Planted             | 46          | 10            | Low                   | -       | - | - | -  | A      | Not shown in 'Existing  |

\*Estimated size class of each hollow based upon entrance diameter (i.e. Small <5 cm, Medium 5-15 cm, Large 15 – 25 cm and Extra Large >25 cm)



| Notes<br>bitat Values (nests, mistletoe etc.) |  |  |  |  |  |  |  |  |  |
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| tial dieback                                  |  |  |  |  |  |  |  |  |  |
| Tree Analysis' (27/11/17)                     |  |  |  |  |  |  |  |  |  |





## **Appendix B. Tree Photo Plates**





































Plate 38 – Tree 71B.