

## **Supplementary Material**

### **Greater glider (*Petauroides volans*) den tree and hollow characteristics**



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## Supplementary material

**Table I.** Photographs of identified hollows and detailed descriptions of hollows that were climbed (first 20 hollows in table)

Hollow ID	Photo	Description	Evidence of glider activity
47		Wide and spacious inside. Whole branch is hollow forming deep wide hollow. Some evidence of insect activity	Small glider scratches around the entrance of the hollow.
65		Rough bark inside the hollow, most likely formed by recent branch breakage forming shallow hollow. Evidence of insect activity.	Scats inside the hollow. Glider scratches around hollow entrance. Glider present inside on one occasion when climbed

33



Spacious hollow, widens after entrance. Tapers after 1m. Both rough and smooth bark inside. Whole branch is hollow. Some evidence of insect activity.

Some small and large scratches along hollow branch.

7



Lots of spiders and insects in and around hollow. Smooth dead bark inside, spacious, remains similar width along hollow depth. Some cracks in bark at hollow entrance.

No evidence of glider activity.

43



Very shallow hollow, tapering to occlusion. Evidence of termite activity.

No evidence of glider activity.

31



Old dead bark forming hollow entrance. Cracks evident in the wall of the hollow. Hollow connects to hollow tree trunk. Evidence of previous wood rot, now dry.

Many glider scratches around entrance. Strong smell of greater gliders.

31a



Hollow tree trunk, connects to 31a. Lichen and moss around entrance.

Glider scratches around entrance.

13



Whole branch is hollow forming deep hollow that remains similar width throughout. Smooth bark around entrance, with evidence of fire damage and burnt wood likely contributing to hollow formation.

Possum and glider scratches around entrance.

23



Spacious hollow inside, evidence of insect activity in the hollow. Some rough some smooth bark at entrance.

Many scratches around hollow entrance and along branch. Accumulated scats present at hollow entrance.

23a



Rough bark inside hollow, very deep.

Many scratches around hollow entrance and along branch forming hollow.

66



Narrow entrance, widening out inside. Evidence of bark rot that may have contributed to hollow formation.

Scratches at hollow entrance. Evidence of feathers and bird nesting material just inside hollow.

02



Half rough, half smooth bark at entrance, with both live and dead bark. Cavity widens out after entrance. Hollow has second entrance. Evidence of bark rot.

Scratches around hollow entrance. Strong glider smell. Glider present on two occasions when climbed.



04



Hollow is long and deep. Rough bark inside.

Glider and possum scratches at entrance.

16



Cavity widens out inside forming spacious hollow. Remains wide throughout hollow branch. 10cm rise inside hollow above entrance

Strong glider smell

53



Some accumulation of leaf litter. Smooth bark inside with some fire damage. Some tree sap at entrance.

Scratches at entrance.

54



Hollow widens out slightly, both rough and smooth bark inside. Hollow opens both ways. Some fire damage and some insect evidence.

Scratches at entrance.

61



Whole branch is hollow forming deep hollow. Evidence of fire damage. Both rough and smooth bark inside. Hollow tapers after 1.5m

Scratches at entrance.

12



Smooth dead wood at entrance of the hollow, cavity remains similar width as depth increases, curves slightly.

Scratches at entrance and along branch forming hollow.

68



Very shallow hollow, tapers quickly to occlusion. Damp and rotted bark inside hollow.

Few scratches along branch forming hollow.

5



Shallow hollow formed inside old termite nest. Cavity opens facing slightly up.

Little evidence of activity

71



59



27





70



08



09



33a



32



32a



48



26



06



06a



01



14



14a



14b



17



18



19



21



22



24



25



28



28a



40



41



44





45



50



52



55



56



72



57



57a



57b



60



64



64a



67



10



15



20



