



## **Shire of Goomalling**

### **Tree Assessment**

### **Calingiri-Goomalling Road SLK 0.00 – SLK 30.32**

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## **1.0 Introduction**

The Shire of Goomalling require a Purpose Clearing Permit application to the Department of Water and Environmental Regulation (DWER) to undertake clearing within the Calingiri-Goomalling Road Reserve between SLK 0.00 and 30.32, with a 9 km stretch of this portion of road not requiring clearing as it is already wide enough for the road repairs/widening to take place. Natural Area was commissioned by the Shire to undertake a tree assessment for areas to be cleared; this assessment included marking the clearing boundary within the road reserve, noting trees that were to be kept and trees that were to be removed during proposed road widening works. Assessment outcomes are presented in this report, including the tree species recorded and number of trees to be removed and kept, as well as the provision of information on conservation significant species and communities.

## 2.0 Clearing Area Tree Assessment Results

### 2.1 Clearing Area

The total clearing area is approximately 7.88 ha as a maximum area (Table 1). There are portions of the road verge within the clearing area that are devoid of native vegetation, and it therefore likely that the actual area of native vegetation clearing is likely to be slightly lower than this figure. In total there were 635 trees or shrubs in the clearing area proposed to be removed, including 224 trees and 411 large shrubs. A total of 110 trees in the clearing areas were marked as trees to be kept as they were on the border of the clearing area; these were considered able to be retained as part of the on-ground mitigation efforts. Of the trees to be cleared 4 have hollows of a suitable size to be used

**Table 1:** Calculated clearing area in road reserve

Proposed clearing area	Total proposed clearing area
78,801.37 m <sup>2</sup>	7.88 ha

**Table 2:** Tree/shrub summary within clearing boundary

Species	Habit	Number of trees/shrubs to be cleared	Number of trees/shrubs to be kept
<i>Acacia acuminata</i>	Shrub	305	71
<i>Acacia aestivalis</i>	Shrub	2	0
<i>Acacia microbotrya</i> subsp. <i>microbotrya</i>	Shrub	55	13
<i>Acacia saligna</i>	Shrub	27	2
<i>Allocasuarina huegeliana</i>	Tree	19	1
<i>Eucalyptus accedens</i>	Tree	11	5
<i>Eucalyptus camaldulensis</i>	Tree	15	2
<i>Eucalyptus capillosa</i>	Tree	5	2
<i>Eucalyptus loxophleba</i> subsp. <i>loxophleba</i>	Tree	144	58
<i>Eucalyptus salmonophloia</i>	Tree	8	26
<i>Eucalyptus sargentii</i> subsp. <i>onesis</i> (P3)	Tree	6	0
<i>Eucalyptus</i> sp.	Tree	2	0
<i>Eucalyptus stricklandii</i>	Tree	3	1
<i>Eucalyptus wandoo</i> subsp. <i>wandoo</i>	Tree	11	15
<i>Hakea preissii</i>	Shrub	1	1
<i>Leptospermum erubescens</i>	Shrub	1	0
<i>Pittosporum angustifolium</i>	Shrub	20	0

<b>Total</b>	<b>635</b>	<b>197</b>
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## 2.2 Threatened Ecological Communities

Two threatened ecological communities were recorded within the road reserve (Table 3). The Red Morrel Woodland community overlays the same area as the Eucalyptus Woodlands of the Western Australian Wheatbelt as this is a subset of this community; therefore, the trees within the Red Morrel Woodland are the same as in the Eucalyptus Woodlands of the Western Australian Wheatbelt (Table 4).

**Table 3:** Summary of Eucalyptus Woodland ecological community – Goomalling-Meckering Road

Community Name	WA Cons Code	Cwlth Cons. Code	Clearing Area (m <sup>2</sup> )	Clearing Area (ha)	Trees to be cleared	Trees to be kept	Large shrub/tree to be cleared
Eucalyptus Woodlands of the Western Australian Wheatbelt	P3	CR	13040	1.304	6	1	0
Red Morrel Woodlands of the Wheatbelt	P1	CR	9170	0.917 (included in area above)	3 (included in count above)	1	1
Remaining Road Reserve	N/A	N/A	65,760	6.576	218	110	410

## 2.3 Priority Flora Species

One Priority 3 species, *Eucalyptus sargentii* subsp. *onesis* was recorded along the Calingiri-Goomalling Road Reserve during the assessment. This included six trees within the proposed clearing area with a further 24 in the remaining road reserve area, and approximately 50 or more in the population located in the adjacent property (Table 4). DBCA database searches indicated this species has been found previously at two locations, 15 km (Bolgart Road) and 20 km (Beecroft Road) south of this population (DBCA, 2019).

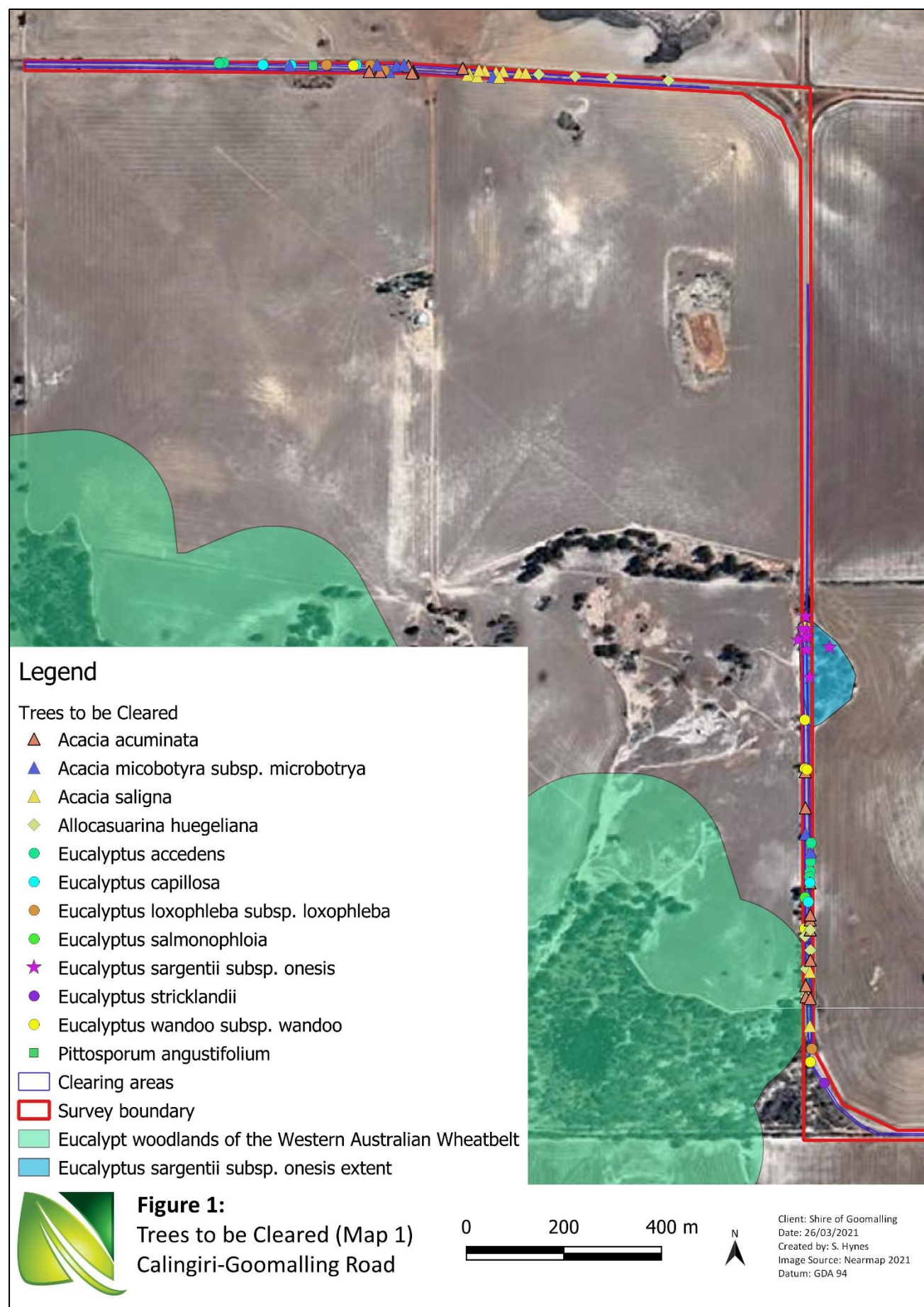
**Table 4:** Counts of Priority 3 plants within the clearing area and adjacent areas

Priority species	Clearing area	Remaining road reserve	Within adjacent property
<i>Eucalyptus sargentii</i> subsp. <i>onesis</i> (P3)	6	24	Approx. 50+

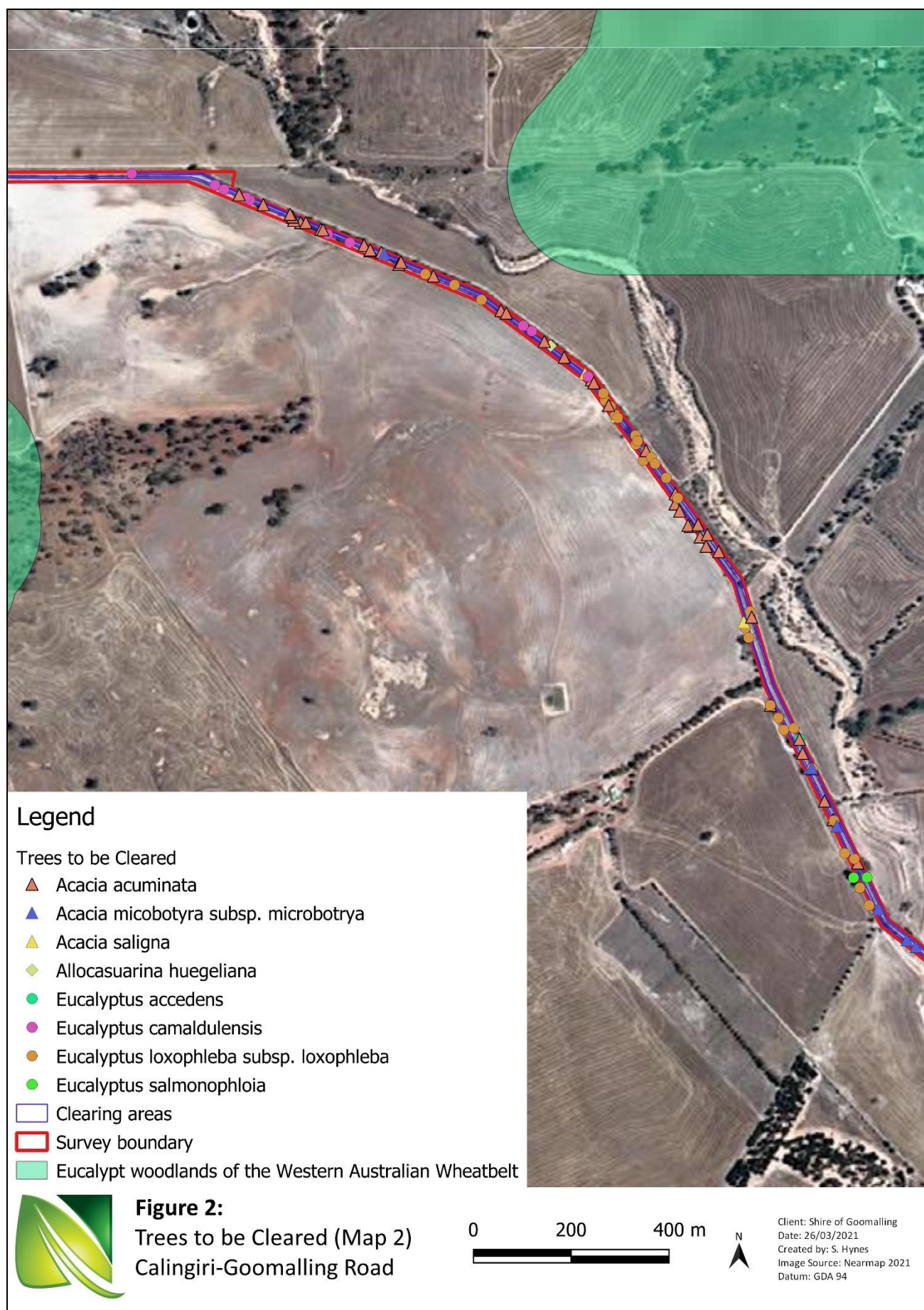
## 2.4 Maps

Map of Calingiri-Goomalling Road are provided in this section:

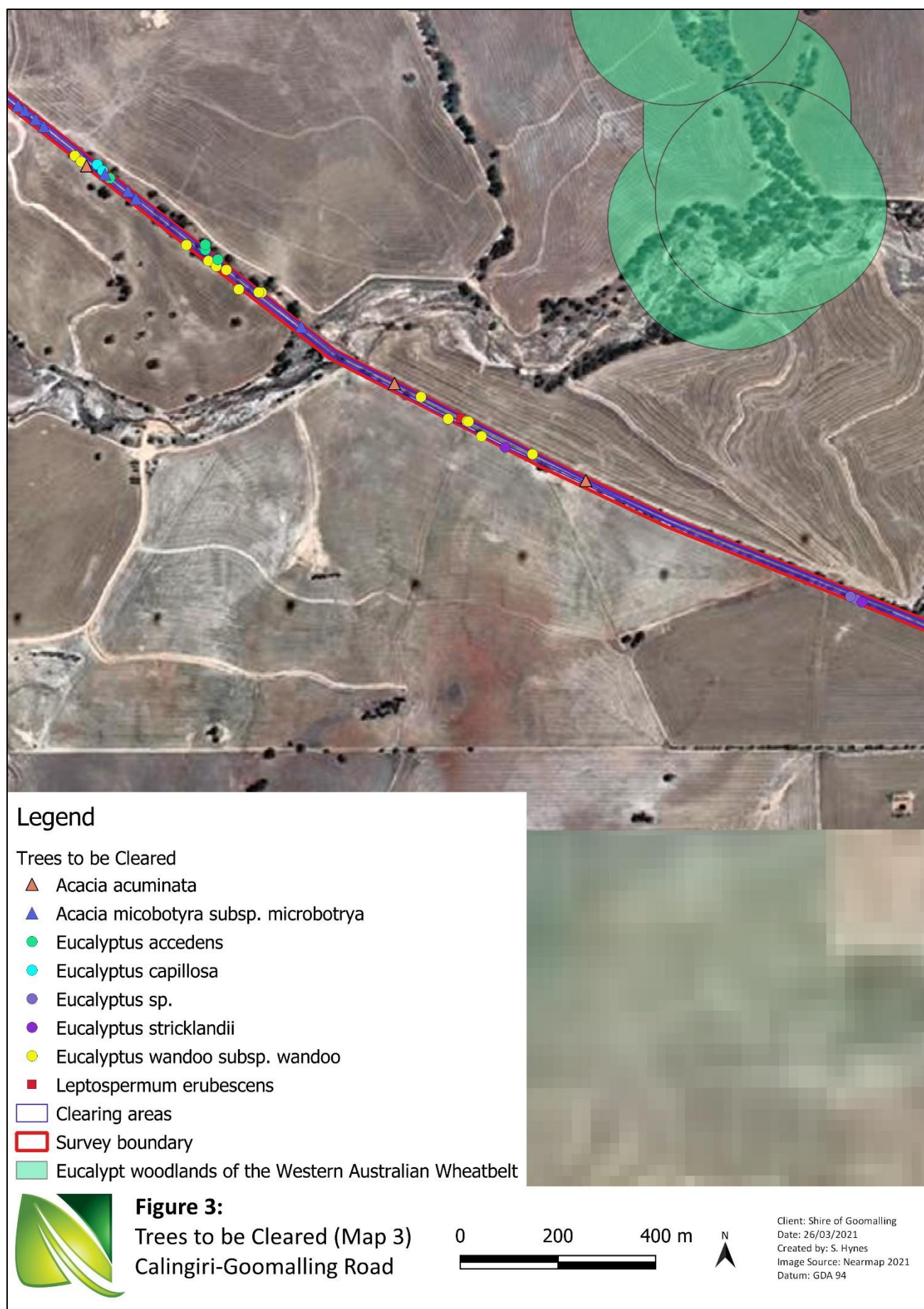
- Trees to be cleared (Figures 1 – 6)
- Trees to be potentially kept (Figures 7 – 12)
- *Eucalyptus sargentii* subsp. *onesis* locations and retention status (Figure 13).

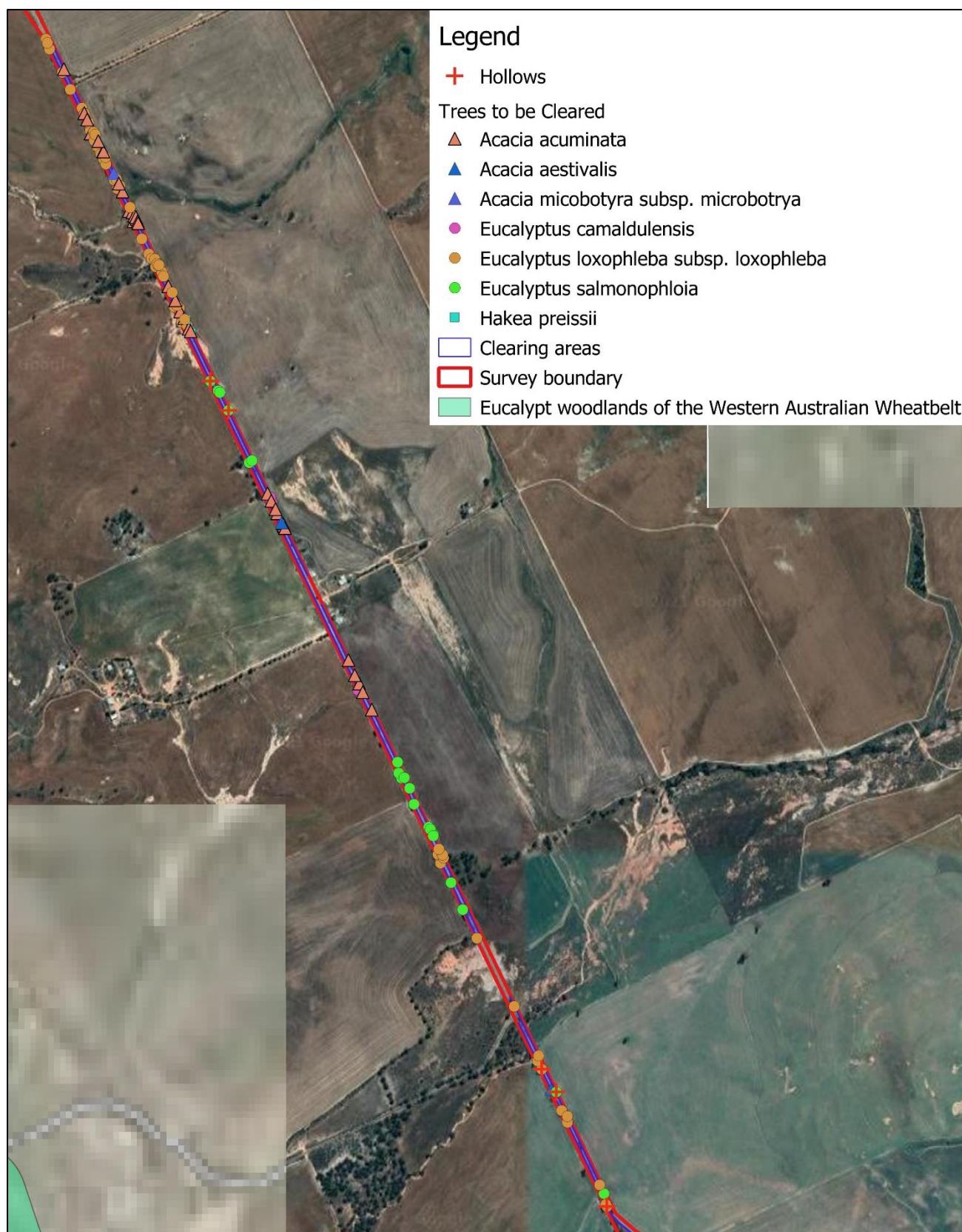












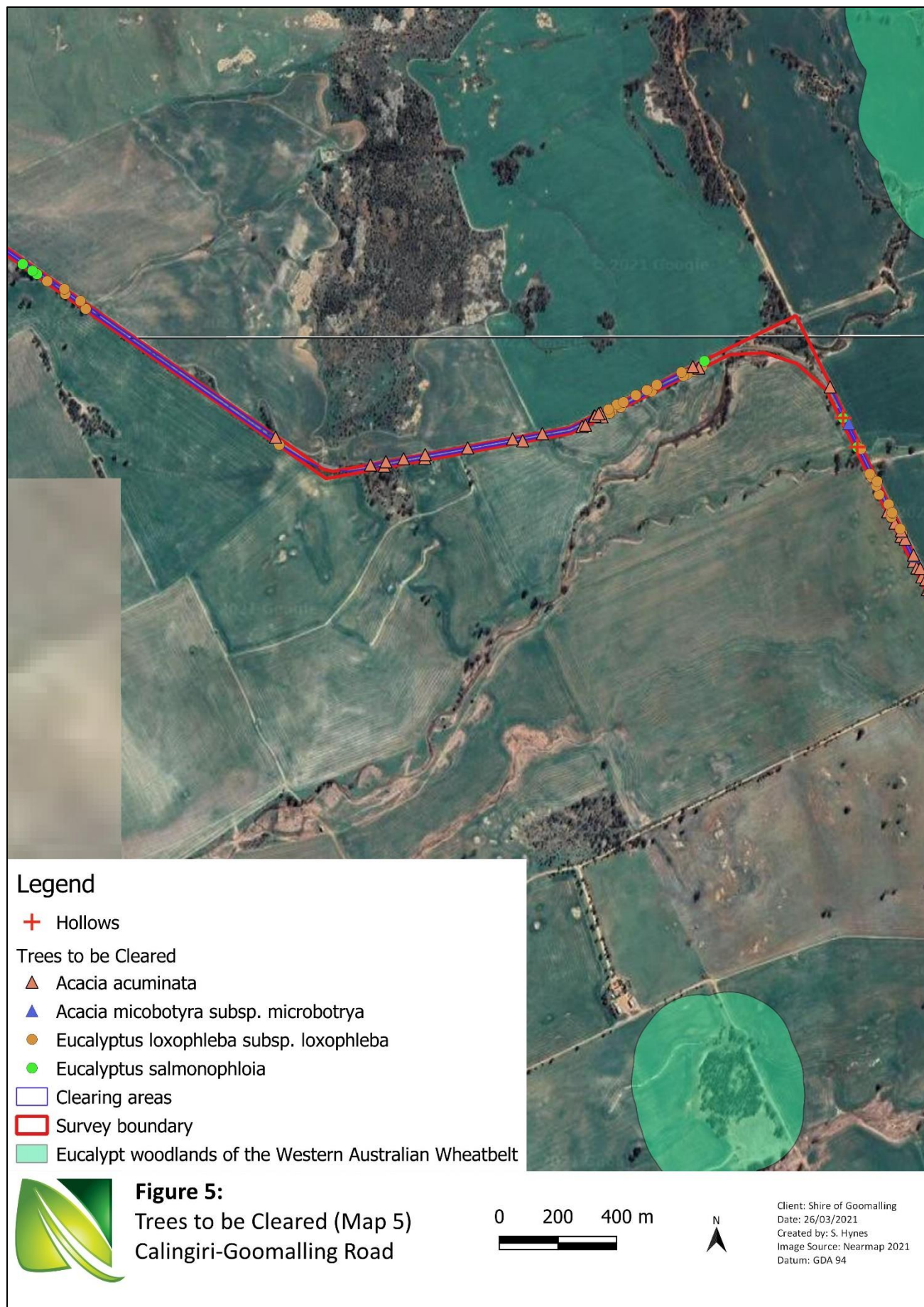
**Figure 4:**  
Trees to be Cleared (Map 4)  
Calingiri-Goomalling Road

0 200 400 m

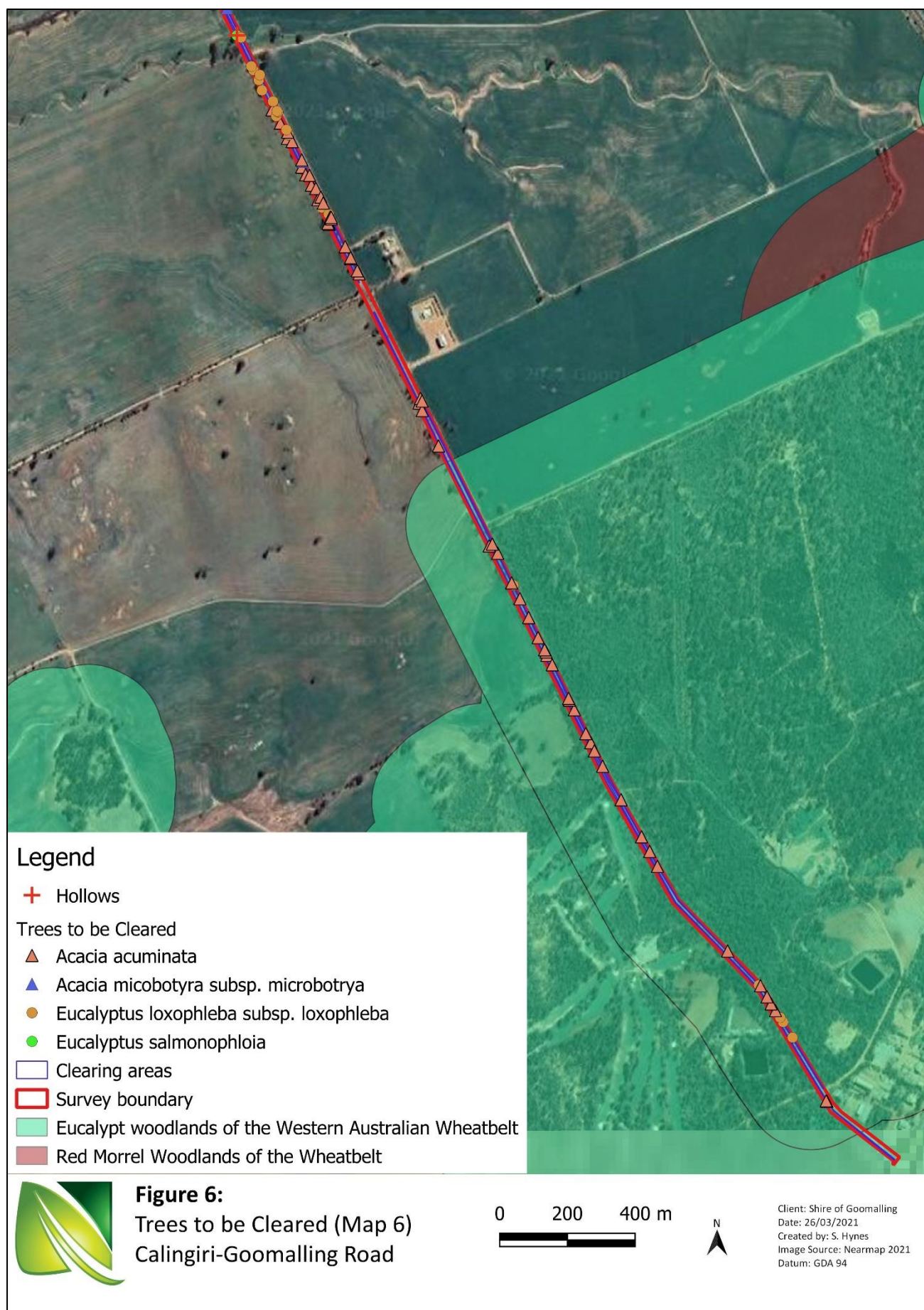


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Date: 26/03/2021  
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Image Source: Nearmap 2021  
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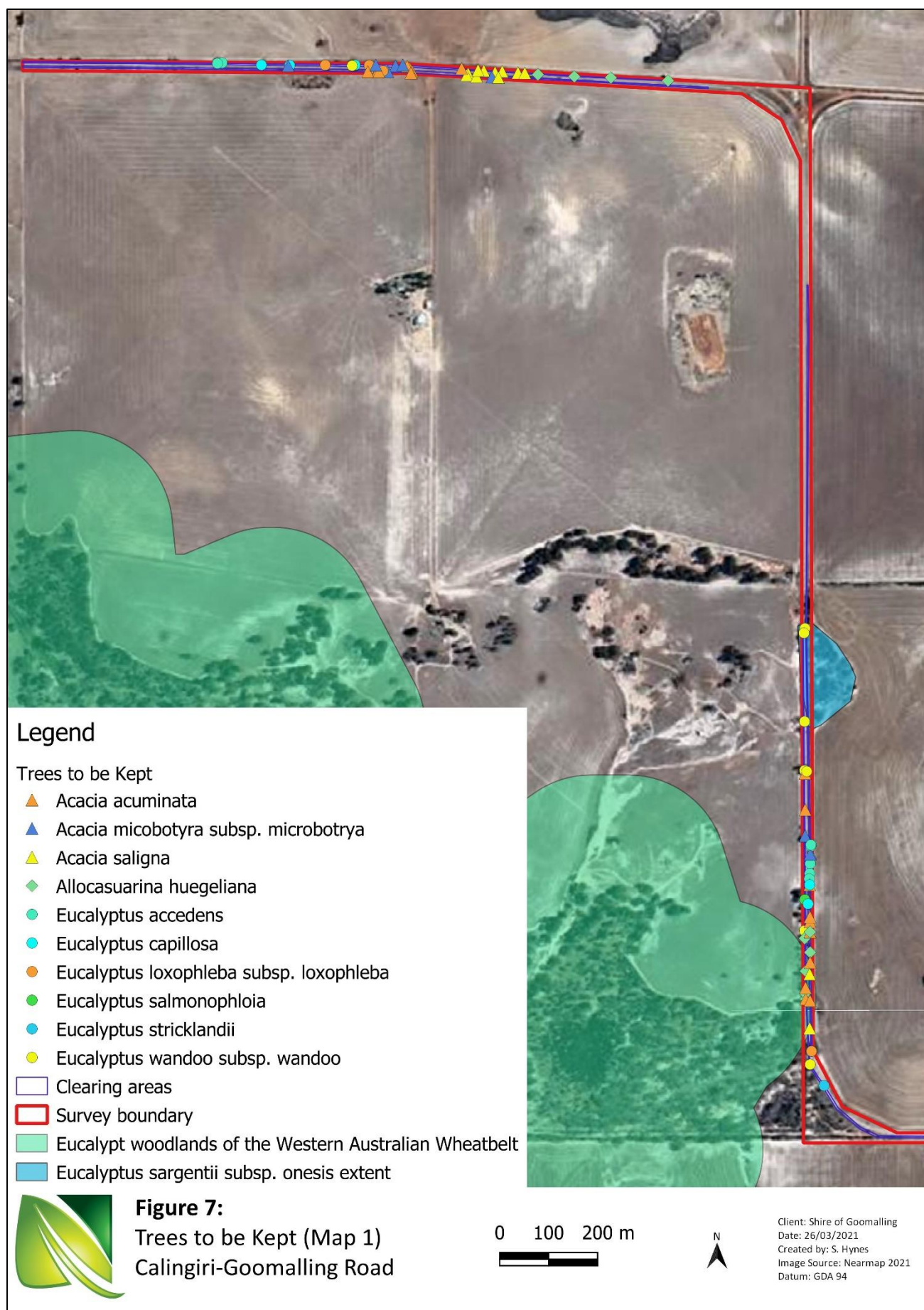




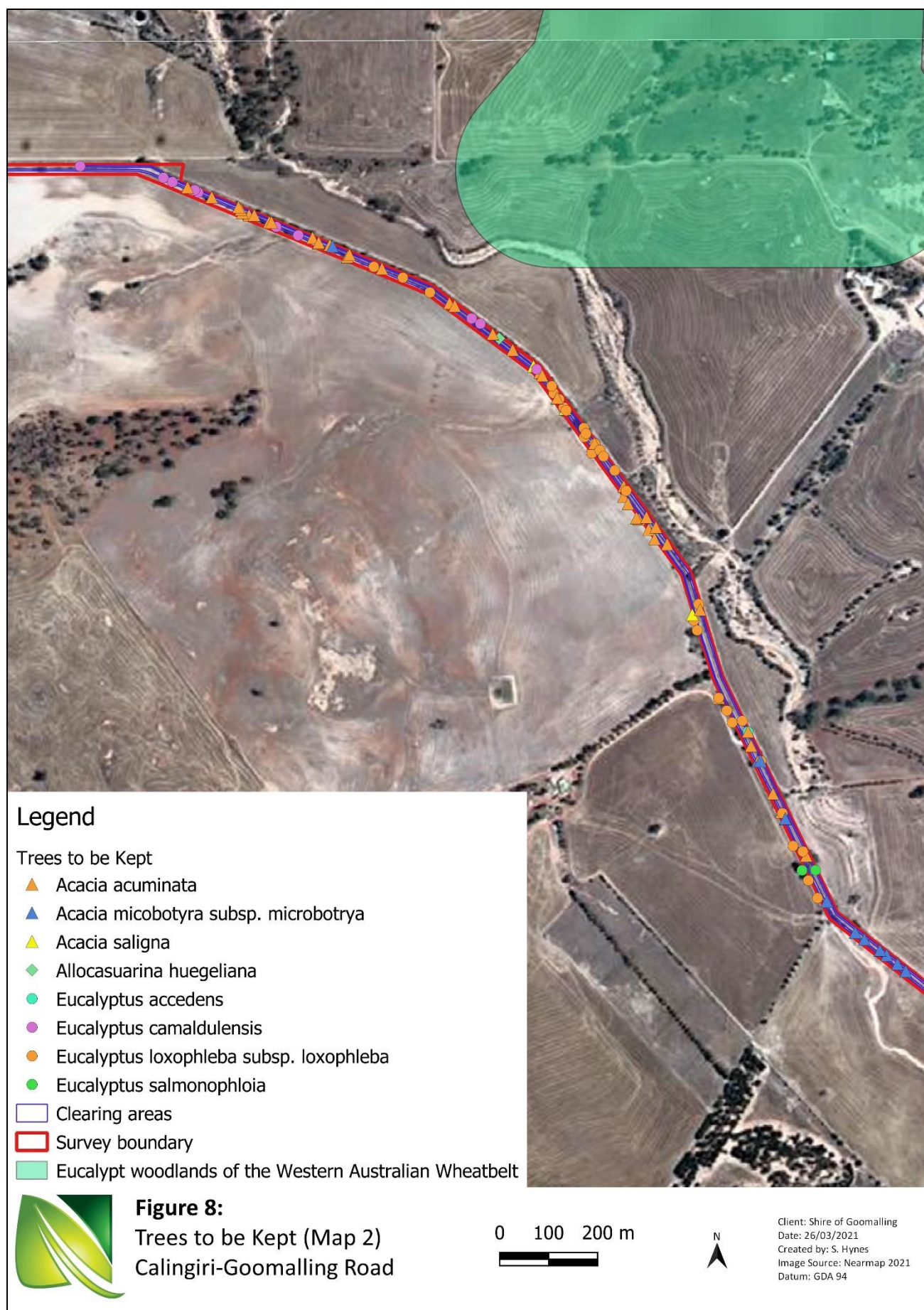




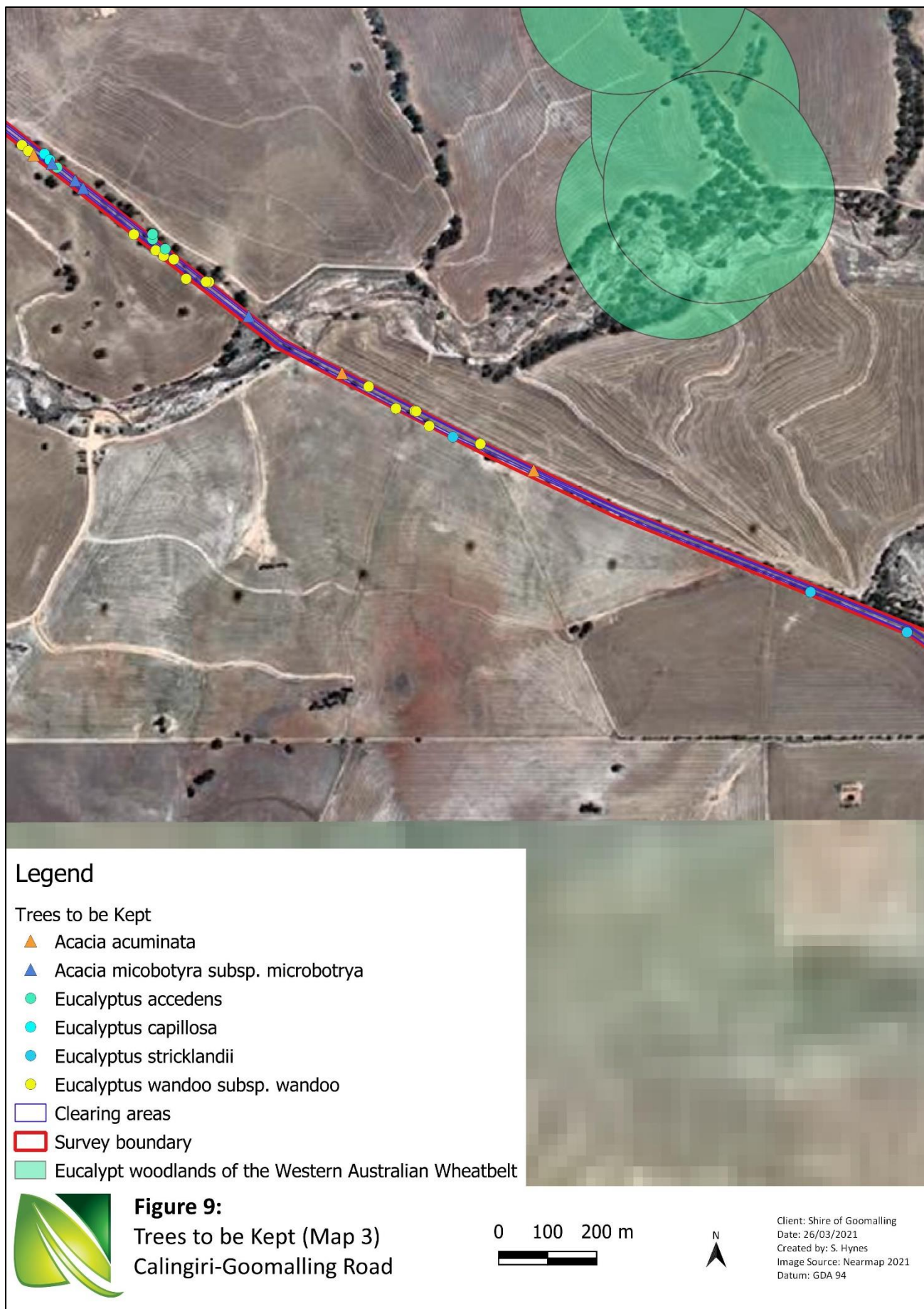


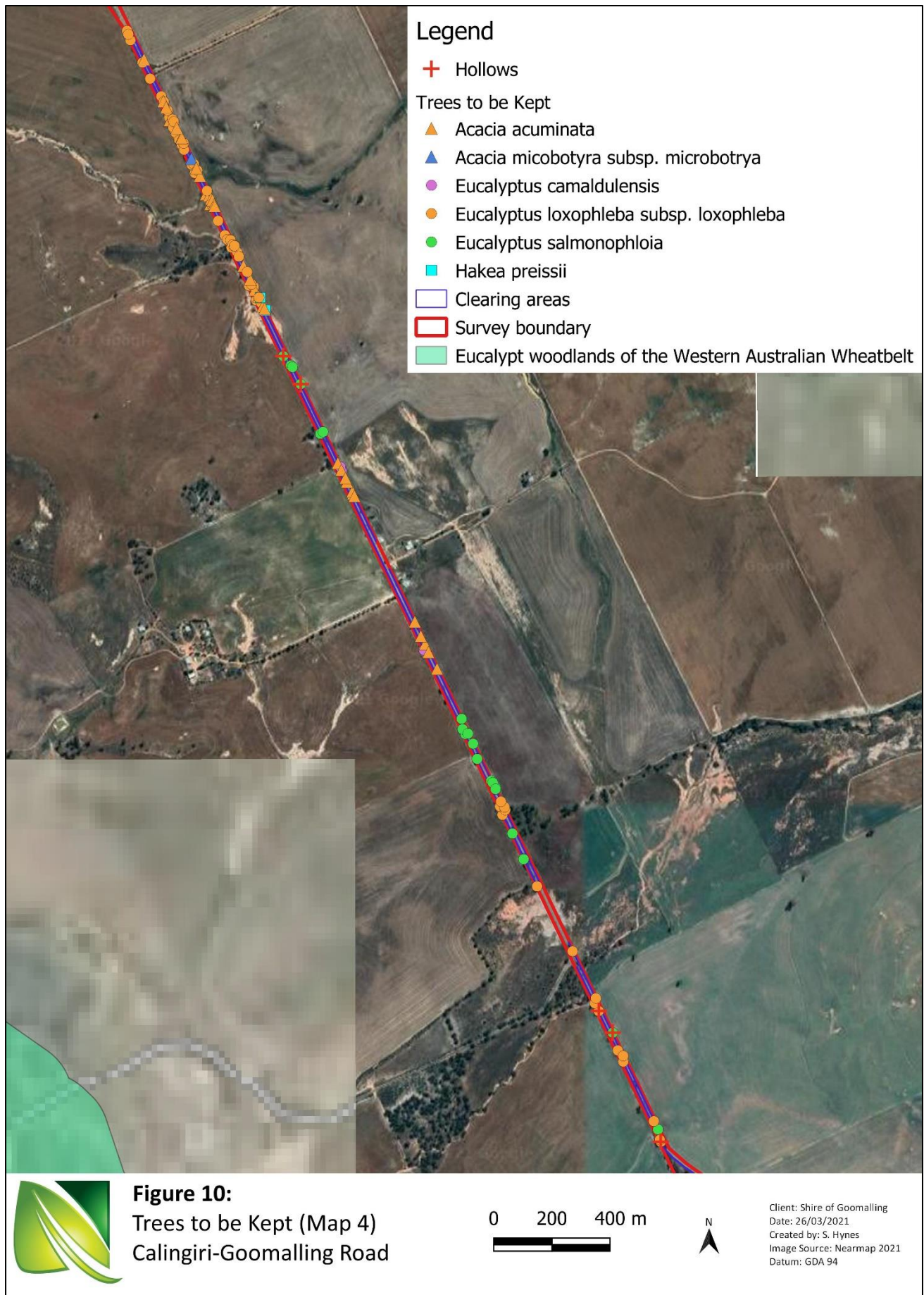




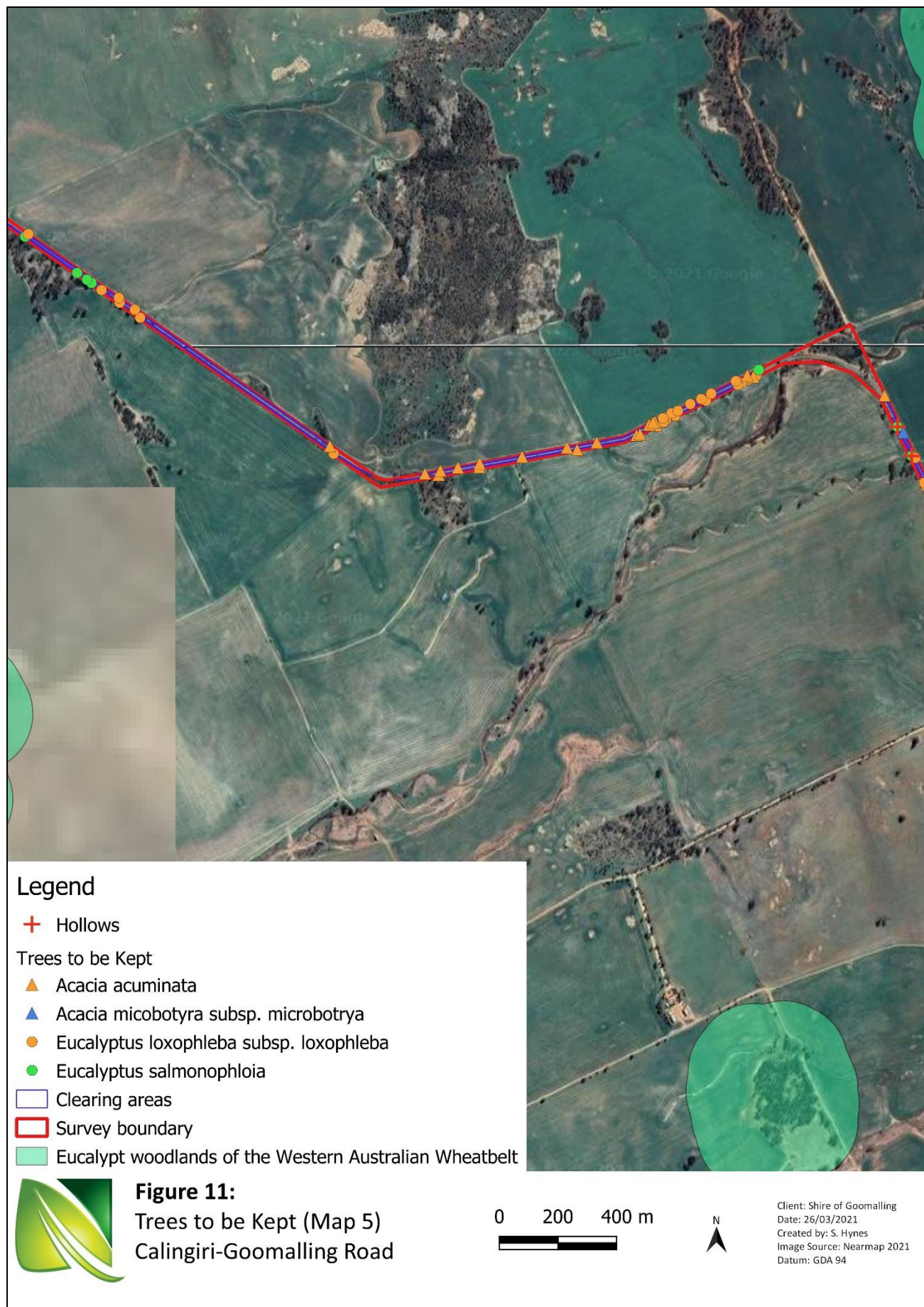




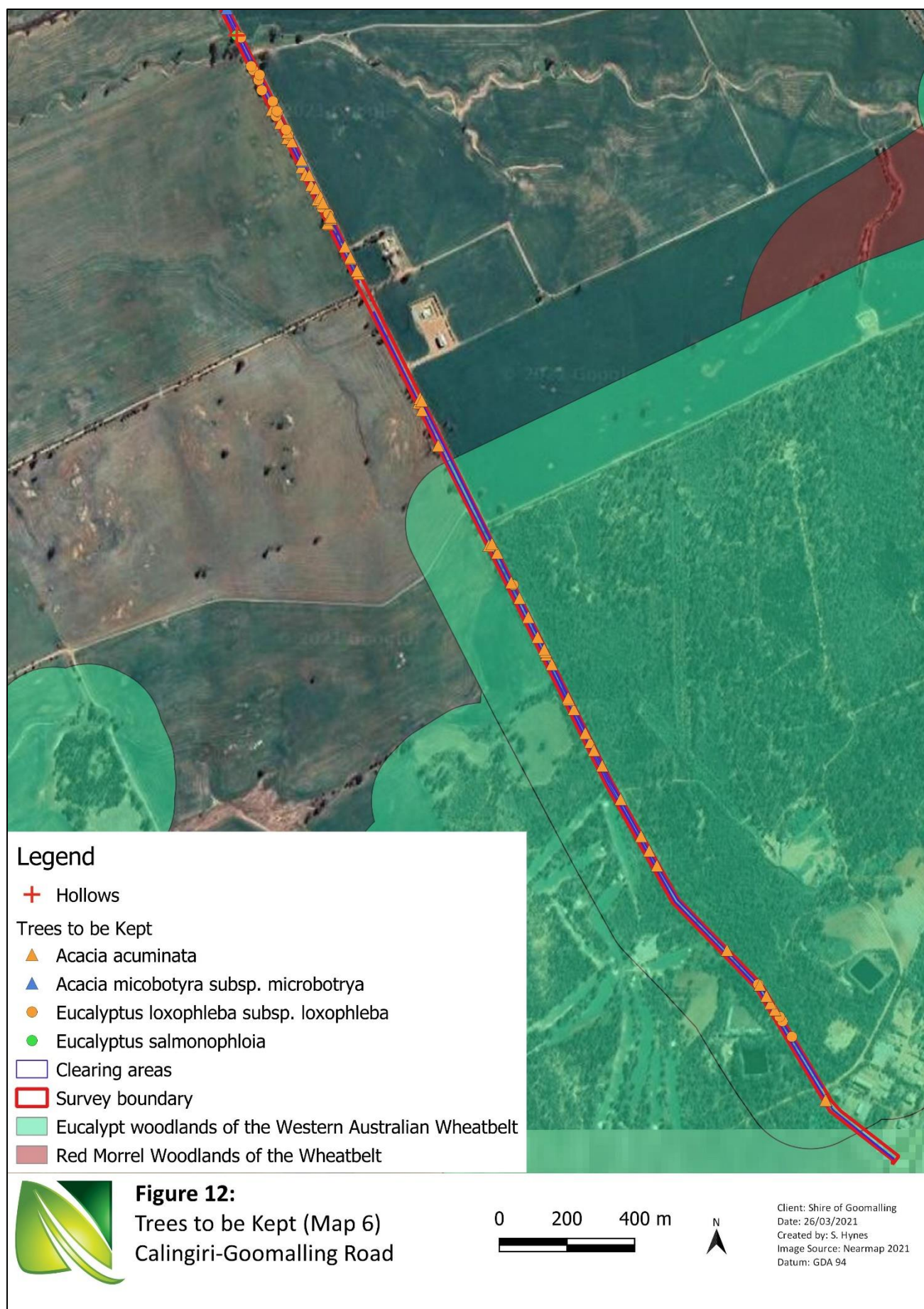














### 3.0 References

Department of Biodiversity, Conservation and Attractions. (2021). *FloraBase – Eucalyptus sargentii subsp. onesis*, accessed March 2021 via: <https://florabase.dpaw.wa.gov.au/browse/profile/46477>.

Department of Biodiversity, Conservation and Attractions. (2019). *Threatened and Priority flora database search*, personal communication.