

MEMORANDUM

Date	10 May 2021	Title	Carey Baptist College, Banksia Woodland Extent and Condition
Ref	COT20001_MEM_Rev1	Distribution	Kristen Watts, Catherine Rea Coterra Environment
Author	Lisa Chappell Senior Environmental Scientist	Review	Kellie Bauer-Simpson Principal Ecologist/Environmental Manager

Background and Scope of Work

Coterra Environment (Coterra) are assisting Carey Baptist College with progressing approval to develop various areas at Lot 2 Nicholson Road, Forrestdale, for expansion of the school (**Figure 1**). A Native Vegetation Clearing Permit (NVCP) application is planned to be lodged in 2021 to further develop the campus. Bennett Environmental Consulting Pty Ltd (Bennett 2011) completed a detailed flora and vegetation assessment of the entire Lot 2 Nicholson Road during 2011, which encompasses the current study area.

Focused Vision Consulting Pty Ltd (FVC) was commissioned by Coterra to conduct an out of season assessment to determine the condition and map the extent of Banksia Woodland under the proposed NVCP application area, south of the current school precinct.

This correspondence presents the findings of the out of season assessment of Banksia Woodland extent and condition.

Methodology

The field assessment was conducted on 15 March 2021, by Senior Botanist, Lisa Chappell to verify the extent of previously mapped Banksia Woodland (Bennet 2011) and its condition within the current NVCP application area. Only the Banksia woodland extent was mapped as part of this assessment as mapping of other vegetation units within the study area did not form part of the current scope. These areas not supporting Banksia woodland are referred to as 'unmapped' in this report. The entire area was traversed on foot and field data was collected using an electronic tablet with customised data forms and mobile spatial mapping capability, within the software program, Mappt™.

Vegetation condition was assessed and documented at various locations within the Banksia woodland within the study area using the current bushland condition scale, which is an adaptation of Keighery (1994) and Trudgen (1991), as described in EPA (2016). The spatial extent of the varying vegetation condition was prepared in the field using Mappt™ and transferred to GIS for presentation in the report.

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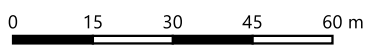
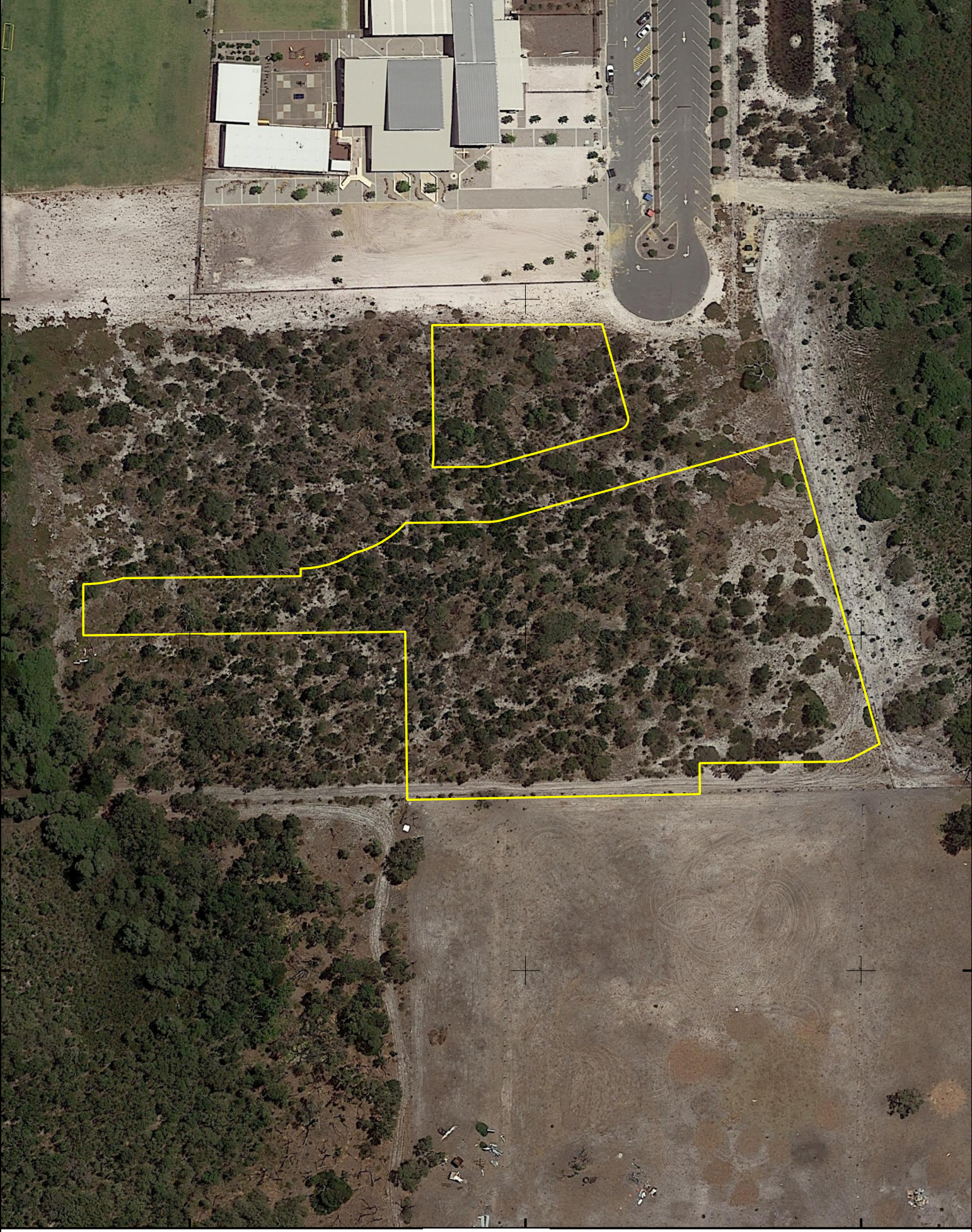
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Figure 1 - Study Area



Legend

 Study Area



Results

The study area has been previously defined by Bennett (2011) to support one vegetation unit (Ba). This vegetation unit is broadly described as a *Banksia attenuata*, *Banksia menziesii*, *Nuytsia floribunda* and *Eucalyptus todtiana* Low Woodland as summarized in **Table 1**.

Table 1 - Summary of Recorded Vegetation Unit

Vegetation Unit and Description (Bennett 2011)	Study Area	
	Area (ha)	% of Study Area
Ba Low Woodland A of <i>Banksia attenuata</i> , <i>Banksia menziesii</i> , <i>Nuytsia floribunda</i> and <i>Eucalyptus todtiana</i> over Heath B dominated by <i>Acacia pulchella</i> var. <i>glaberrima</i> over Tall Grass dominated by * <i>Ehrharta calycina</i>	1.29	83.04
Unmapped	0.26	16.96
TOTAL	1.55	100

The site inspection verified that this Banksia woodland is present throughout the majority of the study area as presented spatially presented in **Figure 2**. The remaining, 'unmapped' areas support vegetation that is highly modified or not Banksia woodland (e.g. Paperbark woodland).

The condition of the Banksia woodland mapped within the study area was found to range from 'Completely Degraded' to 'Good - Degraded', with the majority observed to be in 'Degraded' condition (**Table 2, Figure 3**). The study area supports Banksia Woodland ranging from 'Degraded - Completely Degraded' to 'Good - Degraded' condition.

Table 2 - Vegetation Condition

Vegetation Condition Rating	Study Area	
	Area (ha)	% of Study Area
Good - Degraded	0.09	5.67
Degraded	1.02	66.07
Degraded - Completely Degraded	0.18	11.30
Unmapped	0.26	16.96
TOTAL	1.55	100

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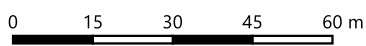
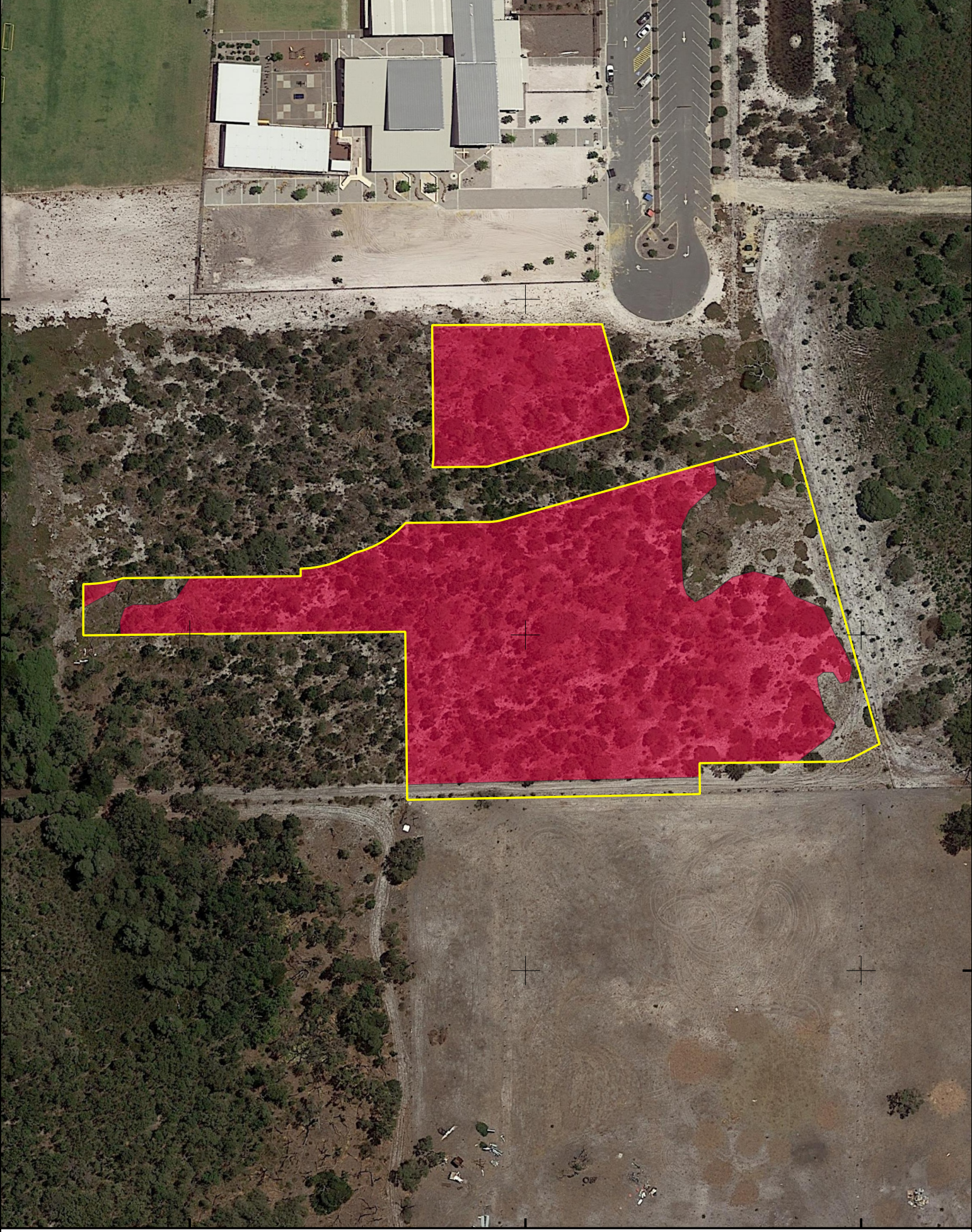
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Figure 2 - Banksia Woodland Extent



Legend

- Study Area
- Banksia Woodland



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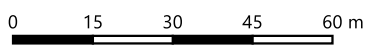
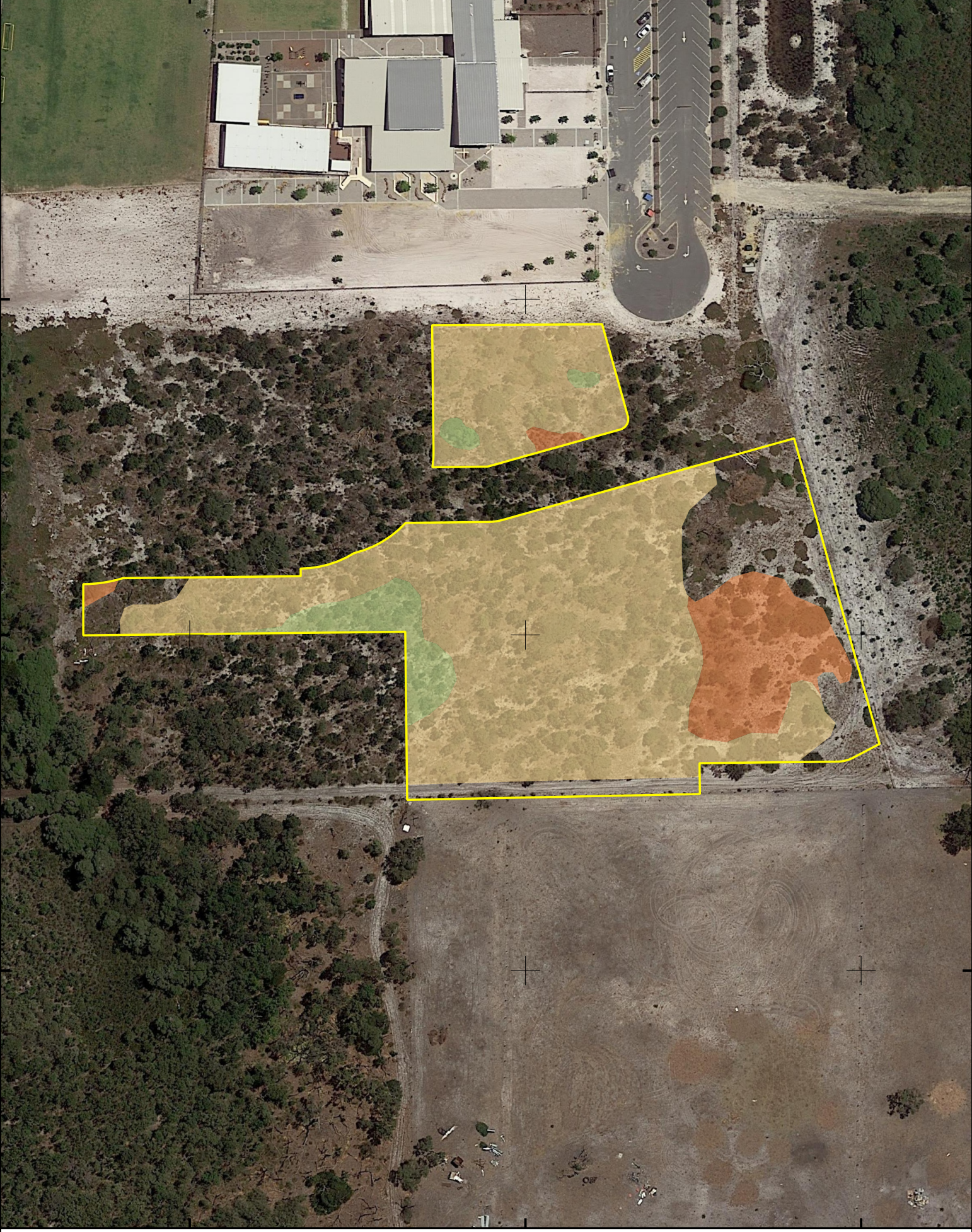
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Figure 3 - Banksia Woodland Condition



Legend

- Study Area
- Completely Degraded-Degraded
- Degraded
- Degraded-Good



Closing

Should you require further information or clarification regarding the information provided in this memorandum, please do not hesitate to contact the undersigned.

Best Regards,
Kellie Bauer-Simpson
Director & Principal Ecologist/Environmental Manager
Focused Vision Consulting Pty Ltd