

Document Reference: EP15-020(18)--033 SCM

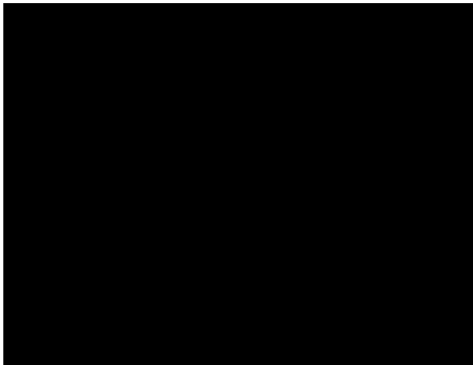
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13 October 2022

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TARGETED FLORA SURVEY – PART LOT 3000 ON DEPOSITED PLAN 44066, BURNS BEACH

1 INTRODUCTION

Peet Funds Management Limited (Peet) are proposing to undertake vegetation clearing within part of Lot 3000 on Deposited Plan 44066 in Burns Beach to construct roadside batters associated with adjacent residential subdivision (herein referred to as the 'site'). The site extends over 1.63 hectares (ha) as shown in **Figure 1**.

A flora and vegetation assessment of the site and broader area was undertaken in December 2021 (Emerge Associates 2021) This assessment was undertaken to the standard of a 'reconnaissance' with reference to the Environmental Protection Authority's (EPA's) relevant technical guidance documents (EPA 2016). During this assessment, the presence or absence of three priority flora species, *Conostylis bracteata* (P3), *Conostylis pauciflora* subsp. *euryrhipis* (P4) and *Conostylis pauciflora* subsp. *pauciflora* (P4) could not be confirmed as the assessment was undertaken outside of the flowering period for these species. Emmerge Associates (Emerge) were engaged to undertake a targeted flora survey to determine whether the aforementioned priority flora occur within the site¹.

2 METHODS

2.1 Field survey

Two botanists² from Emmerge visited the site on 2 September 2022 to conduct the targeted flora survey.

During the survey the site was traversed on foot and searches were conducted for threatened and priority flora species, with a particular focus on *Conostylis bracteata* (P3), *Conostylis pauciflora* subsp. *euryrhipis* (P4) and *Conostylis pauciflora* subsp. *pauciflora* (P4). If detected, the location of target

¹ As well as any other threatened or priority flora species.

² Both botanists who conducted the survey meet DWER's definition of 'a person who holds a tertiary qualification in environmental science or equivalent and has a minimum of 2 years work experience in identification and surveys of flora native to the bioregion being inspected or surveyed'.

flora would have been recorded using a handheld Garmin GPS receiver. Tracklogs from the GPS receiver were recorded to demonstrate survey effort.

Photographs were taken throughout the survey to show particular site conditions.

2.2 Limitations

The survey was undertaken by suitably experienced botanists¹ and at an appropriate time of the year to detect the three *Conostylis* species. The site was covered comprehensively, and all parts of the site could be accessed as required.

Handheld GPS receiver records have a precision ± 5 -10 metres (m).

3 RESULTS AND DISCUSSION

No threatened or priority flora species were recorded within the site.

Individuals identified as the common and widespread species *Conostylis aculeata* were noted in parts of the site. As the site was surveyed comprehensively and no sterile plants that could possibly be threatened or priority species were recorded, it is considered unlikely that *Conostylis bracteata* (P3), *Conostylis pauciflora* subsp. *euryrhipis* (P4) and *Conostylis pauciflora* subsp. *pauciflora* (P4) or any other threatened or priority species occur .

Summary and closing

No threatened or priority flora species were recorded within the site. We trust that this letter provides sufficient details on the vegetation within the site. If you have any questions or require further information, please do not hesitate to contact the undersigned.

Yours sincerely
Emerge Associates



Tom Atkinson

PRINCIPAL ENVIRONMENTAL CONSULTANT – ECOLOGY

cc: None

Encl: Figure 1: Site Location and Survey Effort

General References

Emerge Associates 2021, Reconnaissance Flora and Vegetation Assessment - Part Lot 3000 on Deposited Plan 44066, EP15-020(17)--025 RAW, Version 1.

Environmental Protection Authority (EPA) 2016, Technical Guidance – Flora and Vegetation Surveys for Environmental Impact Assessment, Perth.

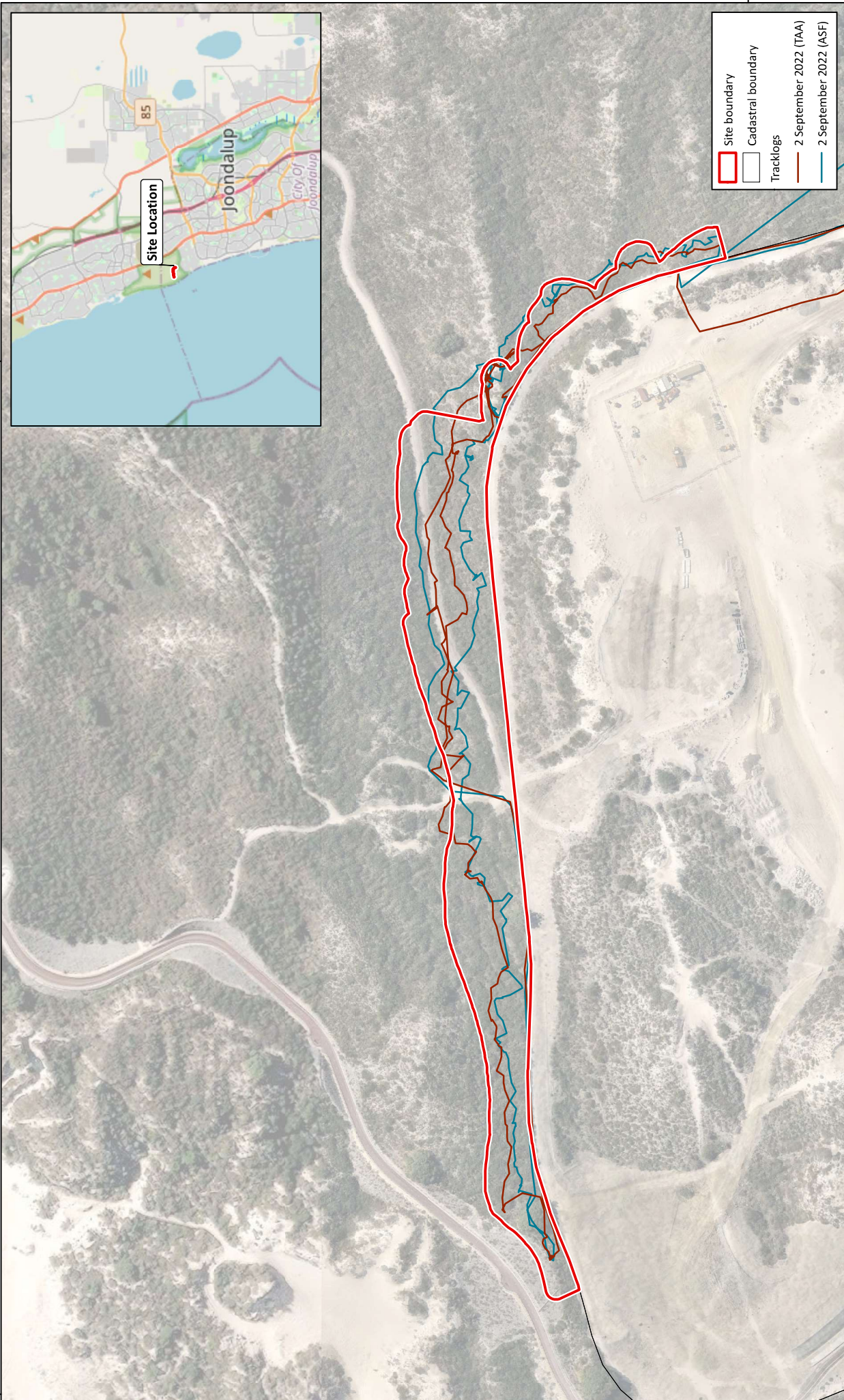
Figures



Figure 1: Site Location and Survey Effort

378000

378000



00006P9

00006P9

- Site boundary
- Cadastral boundary
- Tracklogs
- 2 September 2022 (TAA)
- 2 September 2022 (ASF)

378500

378500

Figure 1: Site Location and Survey Effort

Plan Number: EP15-020(18)-F64
 Drawn: SCM
 Date: 10/10/2022
 Checked: SCM
 Approved: TAA
 Date: 13/10/2022

0 25 50 75
 Metres
 Scale: 1:2,500@A4
 GDA 1994 MGA Zone 50



Project: Targeted Flora Survey
 Part Lot 3000 on Deposited Plan 44066
Client: Peet Funds Management Limited

While Emerge Associates makes every attempt to ensure the accuracy and completeness of data, Emerge accepts no responsibility for externally sourced data used ©Landgate (2021). Nearmap imagery date: 15/04/2022