

24 April 2023

Department of Water and Environmental Regulation
Locked Bag 10
JOONDALUP WA 6919

Dear Sir/Madam,

RE: Lot 700 Abernethy Road, Kewdale – Clearing Permit Referral

On behalf of Laverdi Nominees Pty Ltd please find attached a Clearing Permit Referral under Section 51DA of the EP Act to clear 0.35ha of native vegetation on Lot 700 Abernethy Road, Kewdale. The proposed clearing is to construct hard stand for industrial purposes in accordance with the site's zoning. The land is owned by the Public Transport Authority (PTA). A letter of authority is attached to the clearing permit application.

1 Application Area

The application is to clear 0.35ha of native vegetation at the eastern end of the Lot. The native vegetation on this part of the Lot does not have a Regulation Exemption as it is mapped as a wetland.

The balance of the native vegetation on the lot, which totals 3.626ha, we believe is exempt from a clearing permit due to Regulation 5, Item 1 of the *Environmental Protection (Clearing of Native Vegetation) Regulations 2004* which allows the clearing of less than 5ha of vegetation for the purposes of constructing a building or structure which we have been advised includes a hard stand.

2 Previous Clearing Permit

A clearing permit to clear native vegetation from the eastern part of the site was approved on 11 August 2006 (CPS 158/2). The clearing permit also included PTA land outside of the current application area. The land within the current referral area was cleared around 2006 (Plate 1). Therefore, the native vegetation on this part of the site is regrowth native vegetation.

3 Site History

Examination of historic aerial photographs shows that the vegetation at the eastern end of the site was lawfully cleared sometime between March and December 2006 (Plate 1). Successive aerial photographs show parts of the area cleared have gradually revegetated.

Plate 1: Aerial Photograph Eastern End of Lot (December 2006)



4 Vegetation

3.1 Vegetation Description

PGV Environmental undertook a vegetation assessment of Lot 700 Abernethy Road on 31 January 2023 with a follow-up assessment on 20 April 2023.

The vegetation in the Referral area contains a mix of native vegetation and exotic species and other areas with just exotic species. The Referral area also contains small areas with bare sand.

The total area of the Referral area is 1.30ha. However, the percentage cover of native vegetation ranges across the area from 0 – 100%. To determine the amount of native vegetation in the Referral area PGV Environmental assessed the percentage cover of native vegetation using 10m x 10m quadrats.

The assessment concluded that five separate percentage categories could be mapped in the Referral area. The total amount of native vegetation in the Referral area was then calculated based on the total area of each category times the percentage cover of native vegetation. The results are shown in Table 1.

The total area of native vegetation using the method described above is **0.35ha**.

The different percentage native cover categories are described as follows:

- 0% Native Vegetation Cover (Plate 2) – several small areas of bare white sand with no native or introduced plant species occur in the Referral area. In addition, there are some areas with dense weeds (Lovegrass and Perennial Veldtgrass) and no native plants. These areas are not expected to have native ephemeral species in spring.

- 10% Native Vegetation Cover (Plate 3) – Dense Victorian Teatree (*Leptospermum laevigatum*) covers 60% of the Referral area. A few native Woolly Bush plants (*Adenanthos cygnorum*) occur among the Teatree. The understorey is mostly bare sand but does have areas with scattered native shrubs such as *Dasypogon bromeliifolius* and *Hypocalymma angustifolium*. The 10% rating for the Victorian Teatree area is conservative on the high side. Some other areas, such as old sand tracks have a low cover of native vegetation and were rated as 10% cover (Plate 4).
- 30% Native Vegetation Cover (Plate 5). Pockets of vegetation between the dense Victorian Teatree stands contained scattered Teatree and low shrubs, mostly native species including *Dasypogon bromeliifolius*, *Stirlingia latifolia*, *Verticordia densiflora*, *Lyginia barbata*, *Scholtzia involucrata*, *Hypolaena exsulca* and *Hypocalymma angustifolium*.
- 80% Native Vegetation Cover (Plate 6). Two stands of native vegetation were mapped in the northwestern part of the Referral area. The vegetation in these areas is Closed Low Heath formation and includes common native species such as *Verticordia densiflora*, *Astartea scoparia*, *Pericalymma ellipticum*, *Hypocalymma angustifolium*, *Hypolaena exsulca*, *Dasypogon bromeliifolius* and *Jacksonia floribunda*.
- 100% Native Vegetation Cover (Plate 7). The vegetation in the stormwater drain that runs along the northern boundary of the Referral area is completely covered in the native sedge *Lepidosperma longitudinale* with other wetland reed species occasionally present.

Plate 2: Bare Sand in the Referral Area



Plate 3: Dense Victorian Teatree in the Referral Area



Plate 4: 10% native vegetation cover



Plate 5: 30% native vegetation cover



Plate 6: 80% native vegetation cover



Plate 7: 100% *Lepidosperma longitudinale* in the drain



Table 1: Percentage Native Vegetation Cover Categories

% Native Vegetation Cover	Vegetation Description	Area (ha)	Area Native Vegetation (ha)
0	Bare Sand and Grassy weeds	0.0760	0
10	Dense Victorian Teatree and scattered shrubs on tracks	0.7926	0.0793
30	Open low shrubs among dense Victorian Teatree stands	0.1976	0.0593
80	Closed Low Heath wetland vegetation	0.1191	0.0952
100	Dense <i>Lepidosperma longitudinale</i> Sedgeland in the drain	0.1163	0.1163
TOTAL		1.3015	0.3501

5 Fauna Habitat

The vegetation in the Referral area does not provide any foraging, roosting or breeding habitat for endangered Black Cockatoo species or habitat for any other conservation significant fauna species.

6 Conclusion

A total of 0.35ha of native vegetation occurs in the Referral area applied to be cleared from Lot 700 Abernethy Road, Kewdale. The vegetation was lawfully cleared under CPS 158/2 in 2006 and has regrown with a mix of native and introduced species with dense Victorian Teatree dominating 60% of the site.

Please contact me if you would like any further information or if you would like some assistance on site during a site inspection.

Yours sincerely



Paul van der Moezel
Managing Director

Accompanying Documentation

Referral Application Form

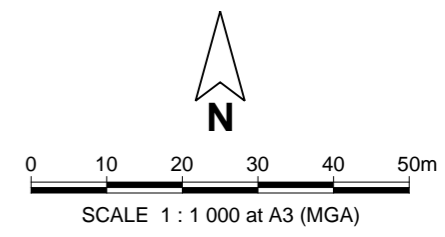
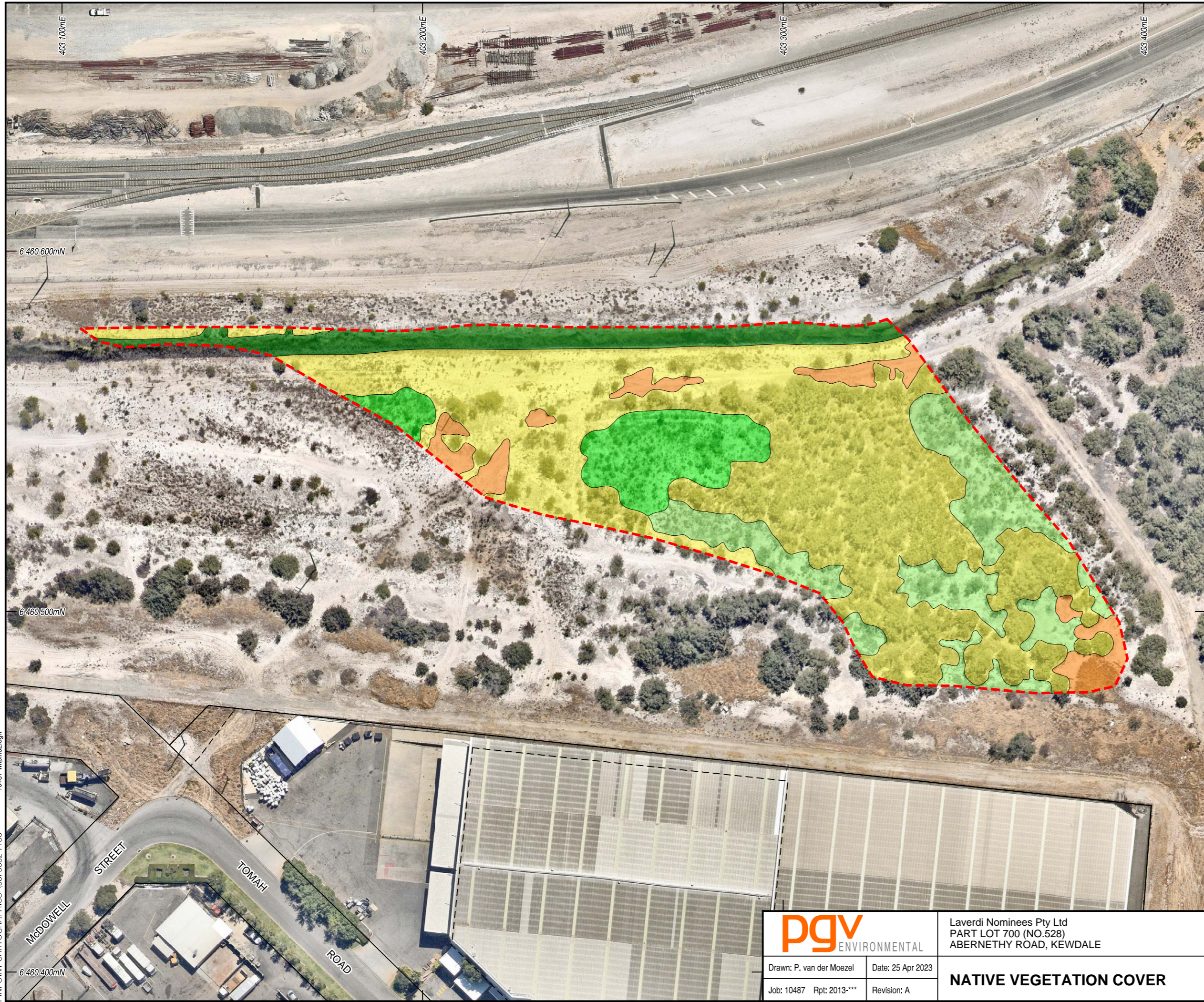
Shapefiles in ESRI Format

Letter of Authority

Certificate of Title

Attachments

Attachment 1: Percentage Native Vegetation Cover



- Legend**
- - - Clearing Permit Application Area Boundary
 - Cadastral Boundary
 - - - Easement Boundary
- Native Vegetation Cover**
- 100%
 - 80%
 - 30%
 - 10%
 - 0%

PINPOINT CARTOGRAPHICS (08) 9562 7136 10487-wkpin02.dgn

CADASTRAL SOURCE: Landgate, April 2023.
AERIAL PHOTOGRAPH SOURCE: NearMap, flown February 2023.



Laverdi Nominees Pty Ltd
PART LOT 700 (NO.528)
ABERNETHY ROAD, KEWDALE

Drawn: P. van der Moezel	Date: 25 Apr 2023
Job: 10487 Rpt: 2013-***	Revision: A

NATIVE VEGETATION COVER