







## Appendix A – Figures

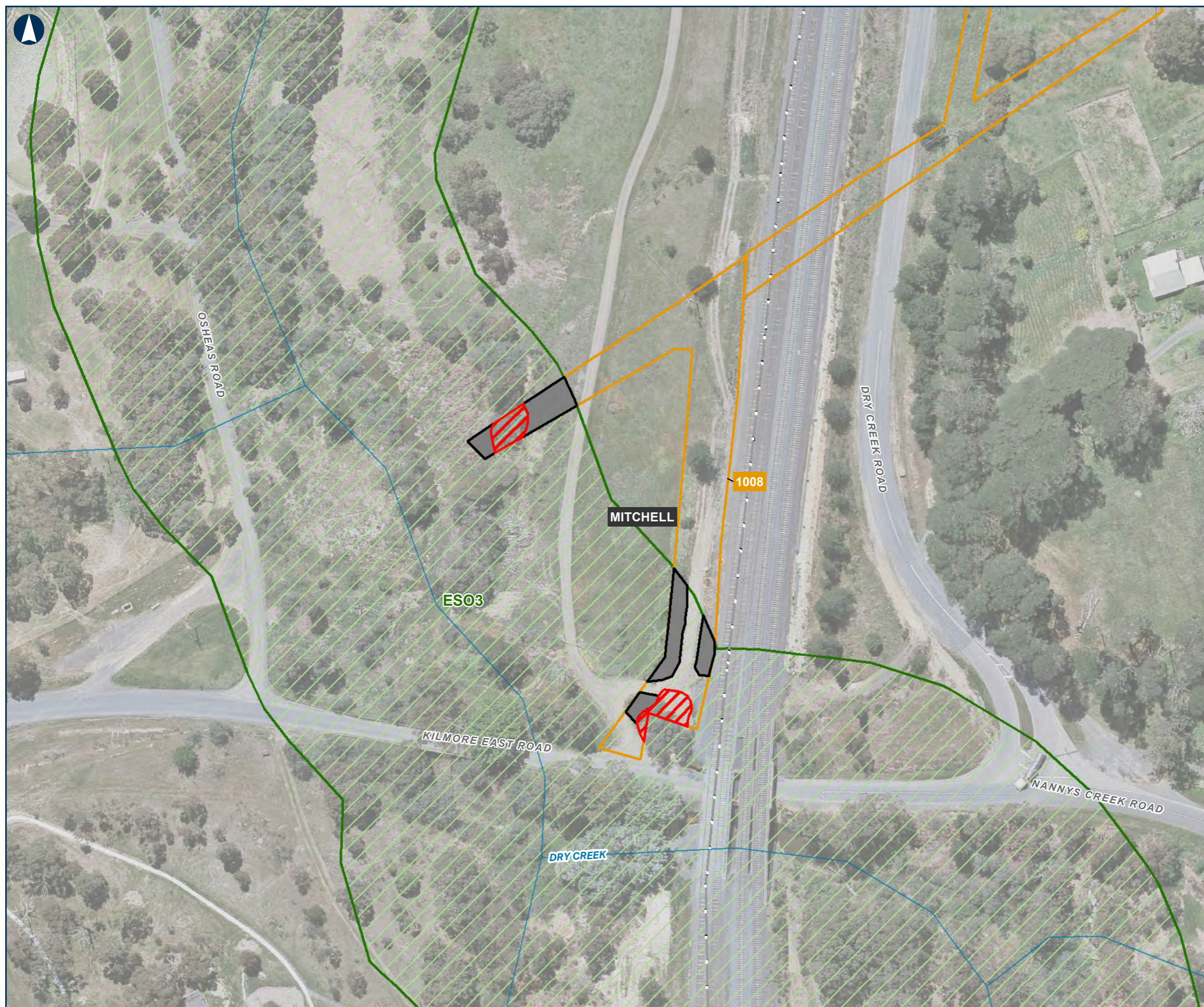
Figure 7 Environmental overlays



**Environmental Overlays**

MAP 1 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  Non-native Vegetation Impacted
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  ESO3 - Environmental Significance



0 20 40 Meters

Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/07/2021  
 Author: JB  
 Data Sources: DELWP (2020)

Paper: A3  
 Scale: 1:1,080  
 Figure 7



**Environmental Overlays**

MAP 2 OF 62

- Overhead Powerline Sites
- Native Vegetation Impacted
- Non-native Vegetation Impacted
- Native Trees Impacted
- Railway
- LGA Boundaries
- Planning Overlay**
- ES03 - Environmental Significance



0 30 60 Meters

Coordinate System: GDA 1994 MGA Zone 55









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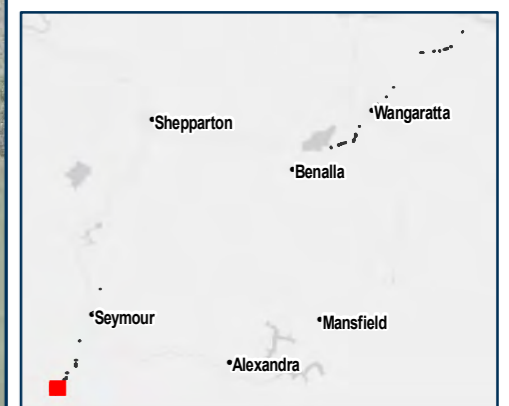
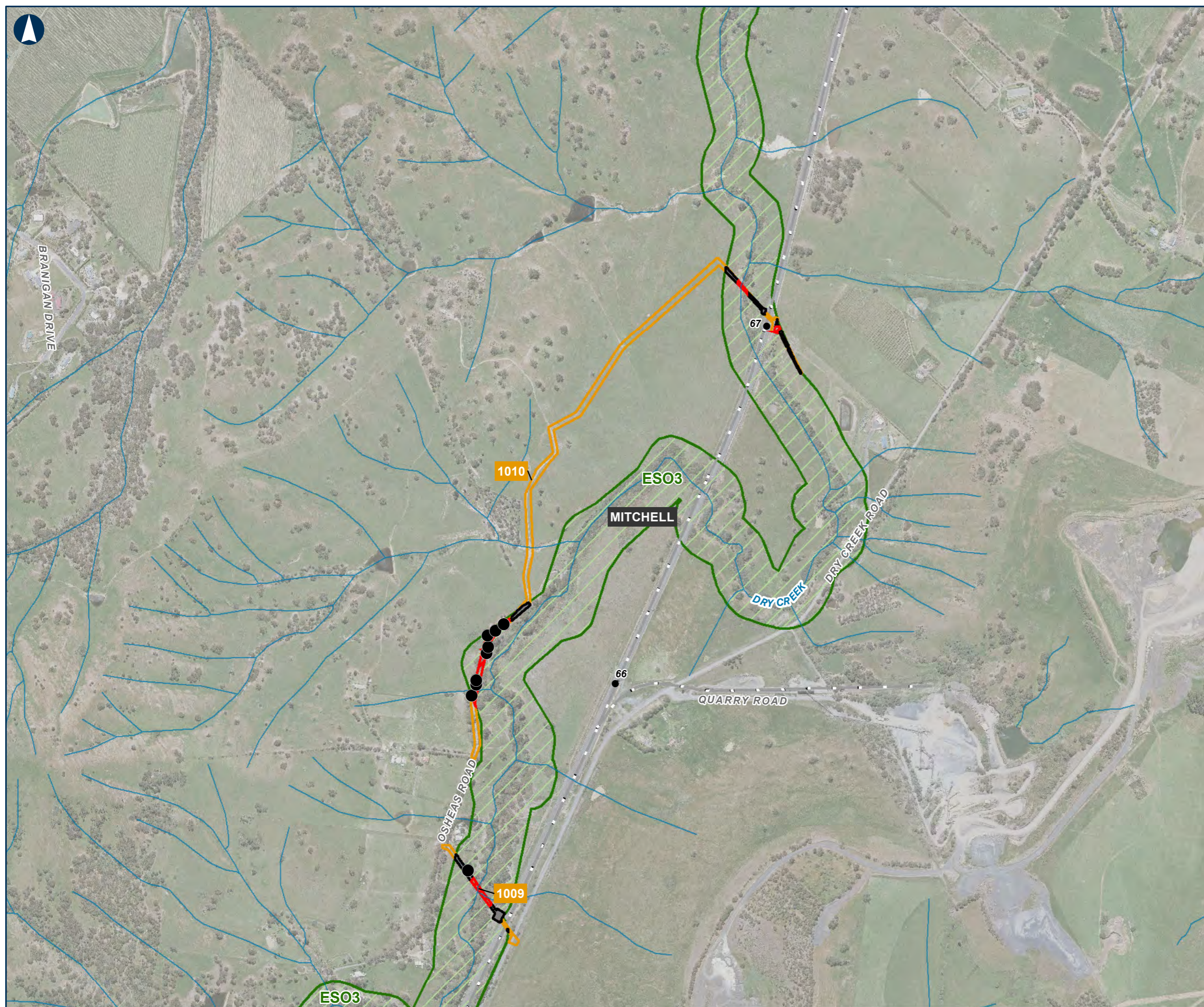
Date: 5/07/2021 Paper: A3  
 Author: JB Scale: 1:1,690  
 Data Sources: DELWP (2020) Figure 7



**Environmental Overlays**

MAP 3 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  Non-native Vegetation Impacted
-  Native Trees Impacted
-  KM Posts
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  ESO3 - Environmental Significance



0 210 420 Meters

Coordinate System: GDA 1994 MGA Zone 55

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 Data Sources: DELWP (2020)

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 Scale: 1:9,300  
 Figure 7



**Environmental Overlays**

MAP 4 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  Non-native Vegetation Impacted
-  KM Posts
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  ESO3 - Environmental Significance



0 30 60 Meters

Coordinate System: GDA 1994 MGA Zone 55

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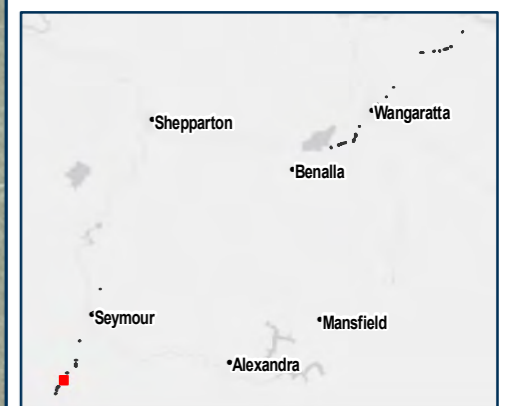
Date: 5/07/2021 Paper: A3  
 Author: JB Scale: 1:1,650  
 Data Sources: DELWP (2020) Figure 7



**Environmental Overlays**

MAP 5 OF 62

- Overhead Powerline Sites
- Non-native Vegetation Impacted
- Railway
- LGA Boundaries
- Planning Overlay**
- SMO - Salinity Management



0 30 60 Meters

Coordinate System: GDA 1994 MGA Zone 55










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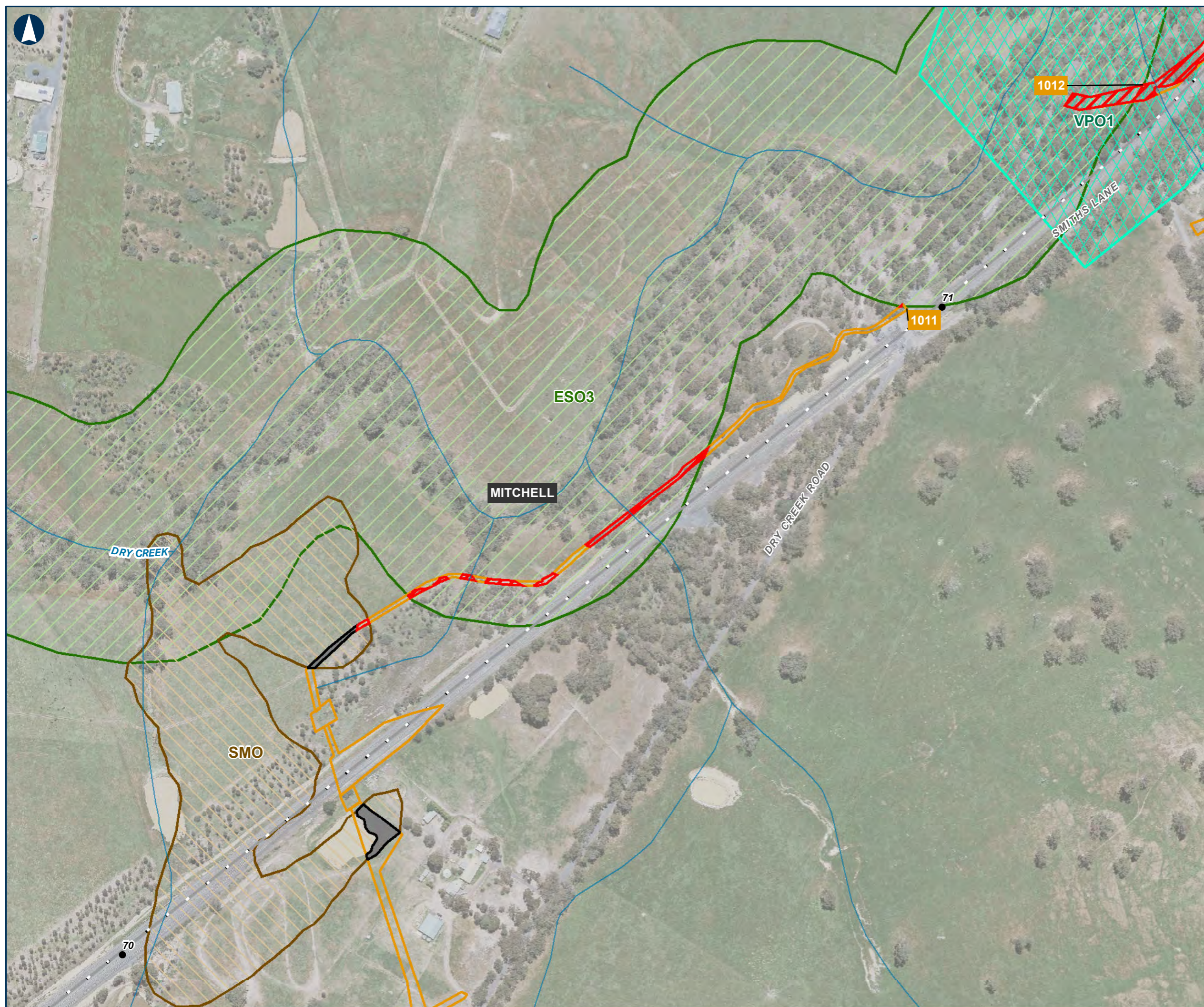
Date: 5/07/2021      Paper: A3  
 Author: JB      Scale: 1:1,530  
 Data Sources: DELWP (2020)      Figure 7



**Environmental Overlays**

MAP 6 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  Non-native Vegetation Impacted
-  KM Posts
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  ESO3 - Environmental Significance
-  SMO - Salinity Management
-  VPO1 - Vegetation Protection



Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/07/2021  
 Author: JB  
 Data Sources: DELWP (2020)

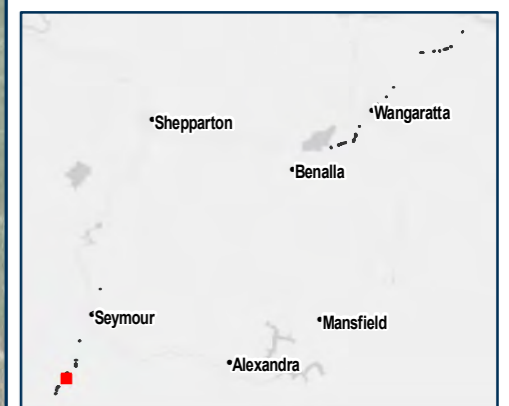
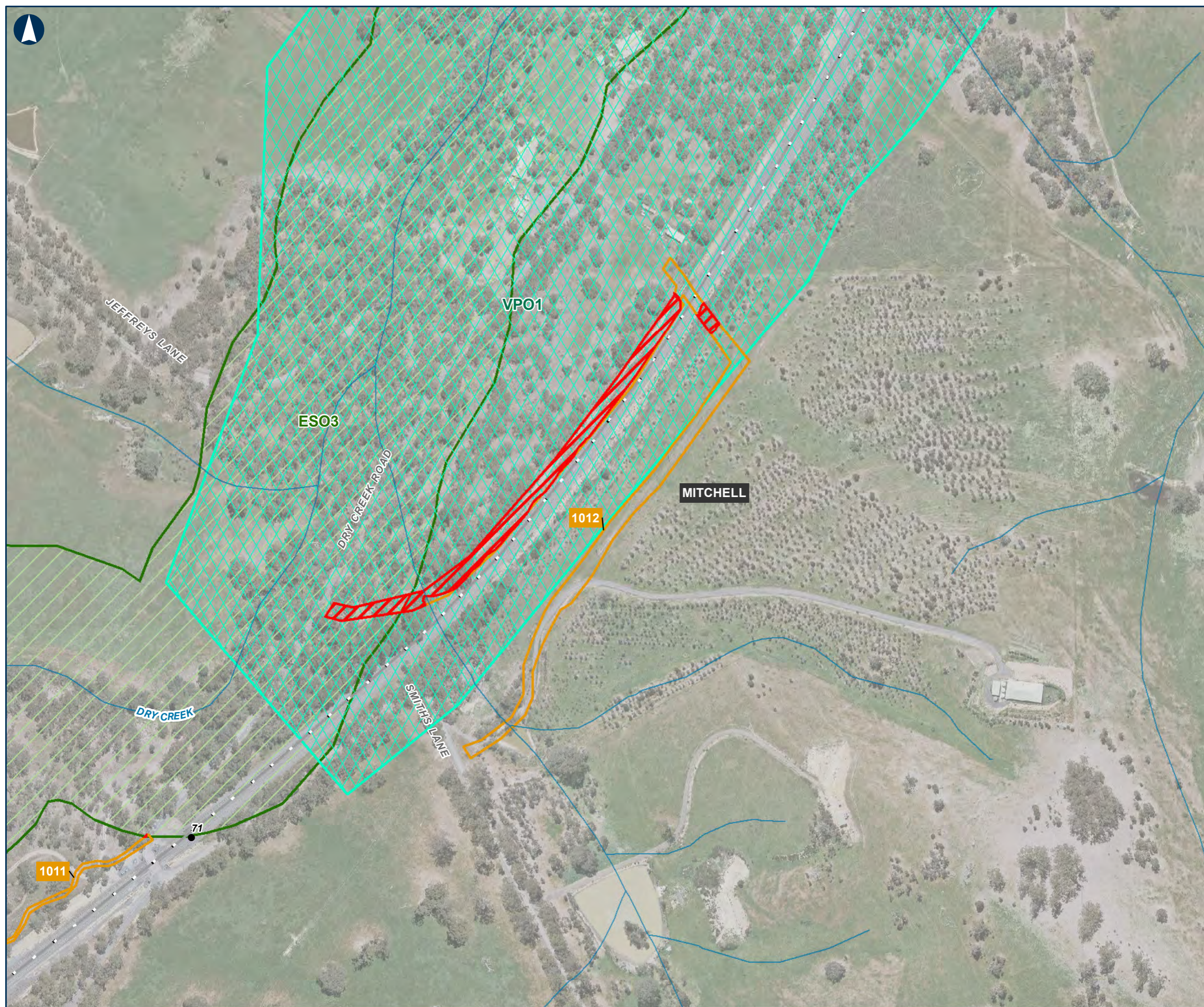
Paper: A3  
 Scale: 1:3,300  
 Figure 7



**Environmental Overlays**

MAP 7 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  KM Posts
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  ESO3 - Environmental Significance
-  VPO1 - Vegetation Protection



0 60 120 Meters

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 Author: JB  
 Data Sources: DELWP (2020)







Paper: A3  
 Scale: 1:3,010  
 Figure 7

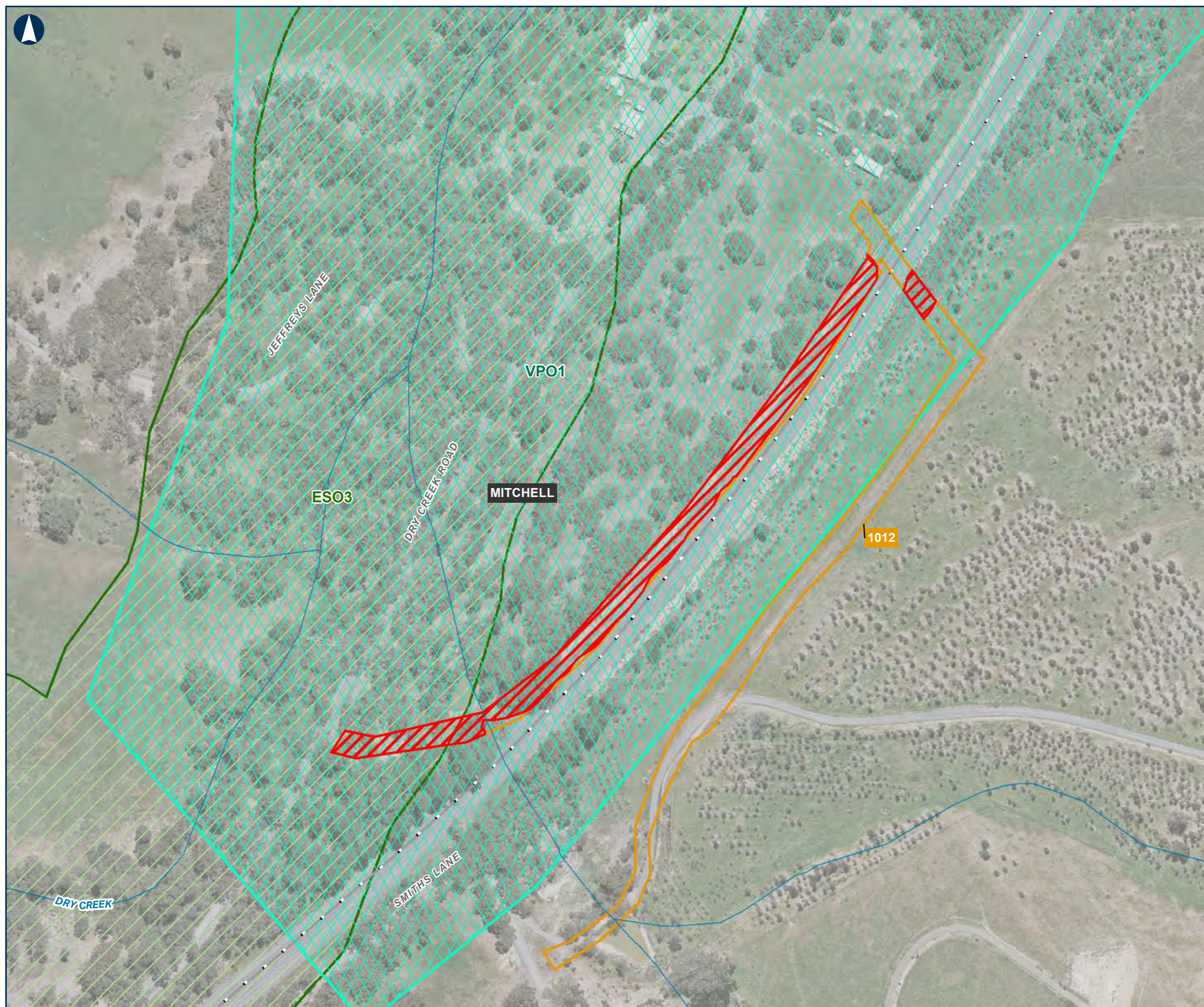




**Environmental Overlays**

MAP 8 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  ESO3 - Environmental Significance
-  VPO1 - Vegetation Protection



Coordinate System: GDA 1994 MGA Zone 55

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 Scale: 1:1,960  
 Figure 7



**Environmental Overlays**

MAP 9 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  ESO3 - Environmental Significance
-  VPO1 - Vegetation Protection



0 25 50 Meters

Coordinate System: GDA 1994 MGA Zone 55






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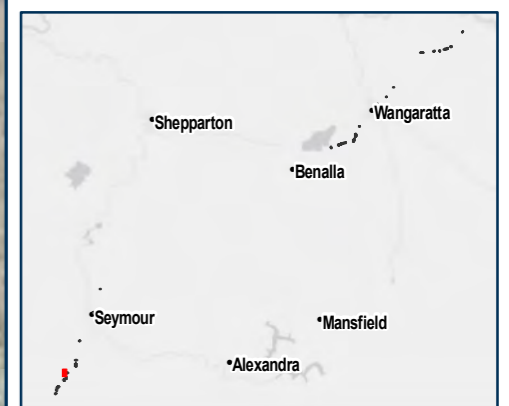
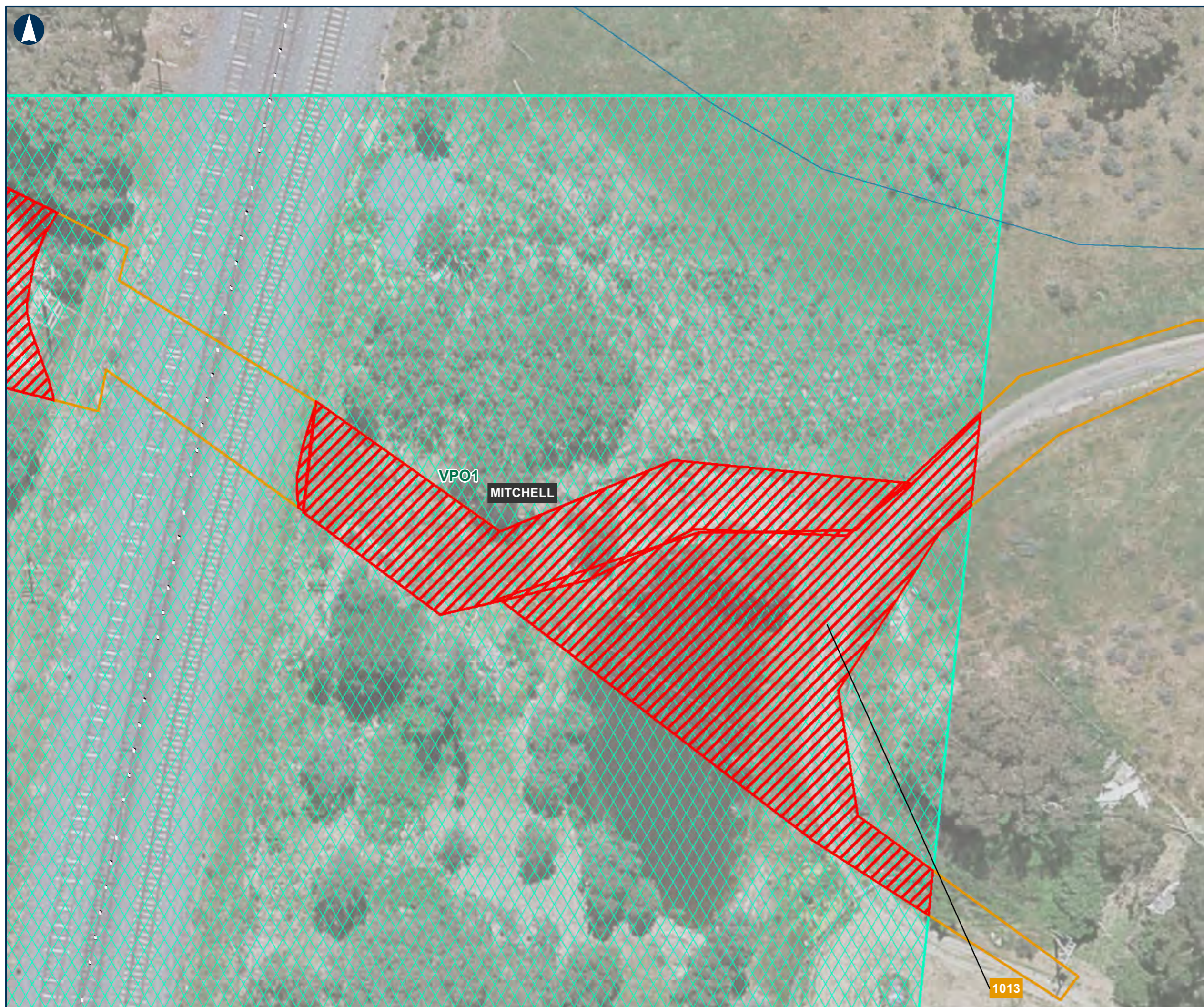
Date: 5/07/2021      Paper: A3  
 Author: JB      Scale: 1:1,200  
 Data Sources: DELWP (2020)      Figure 7



**Environmental Overlays**

MAP 10 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  VPO1 - Vegetation Protection



0 8 16 Meters

Coordinate System: GDA 1994 MGA Zone 55






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 Author: JB Scale: 1:360  
 Data Sources: DELWP (2020) Figure 7



**Environmental Overlays**

MAP 11 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  VPO1 - Vegetation Protection



Coordinate System: GDA 1994 MGA Zone 55








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 Author: JB      Scale: 1:240  
 Data Sources: DELWP (2020)      Figure 7



**Environmental Overlays**

MAP 12 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  Non-native Vegetation Impacted
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  ESO3 - Environmental Significance
-  VPO2 - Vegetation Protection



Coordinate System: GDA 1994 MGA Zone 55










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 Author: JB      Scale: 1:1,270  
 Data Sources: DELWP (2020)      Figure 7



**Environmental Overlays**

MAP 13 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  Non-native Vegetation Impacted
-  Native Trees Impacted
-  KM Posts
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  ESO3 - Environmental Significance
-  VPO2 - Vegetation Protection



0 40 80 Meters

Coordinate System: GDA 1994 MGA Zone 55










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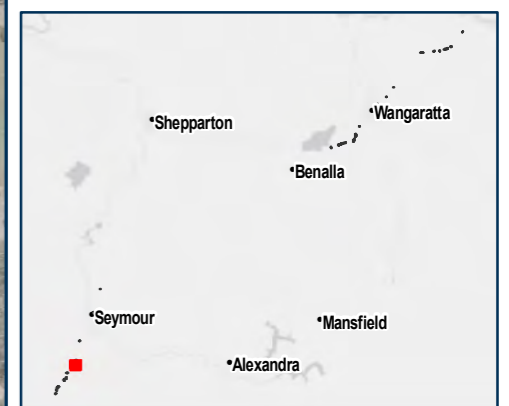
Date: 5/07/2021 Paper: A3  
 Author: JB Scale: 1:1,890  
 Data Sources: DELWP (2020) Figure 7



**Environmental Overlays**

MAP 14 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  Non-native Vegetation Impacted
-  Native Trees Impacted
-  KM Posts
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  ESO3 - Environmental Significance
-  VPO2 - Vegetation Protection



0 100 200 Meters

Coordinate System: GDA 1994 MGA Zone 55







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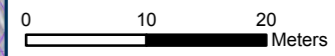
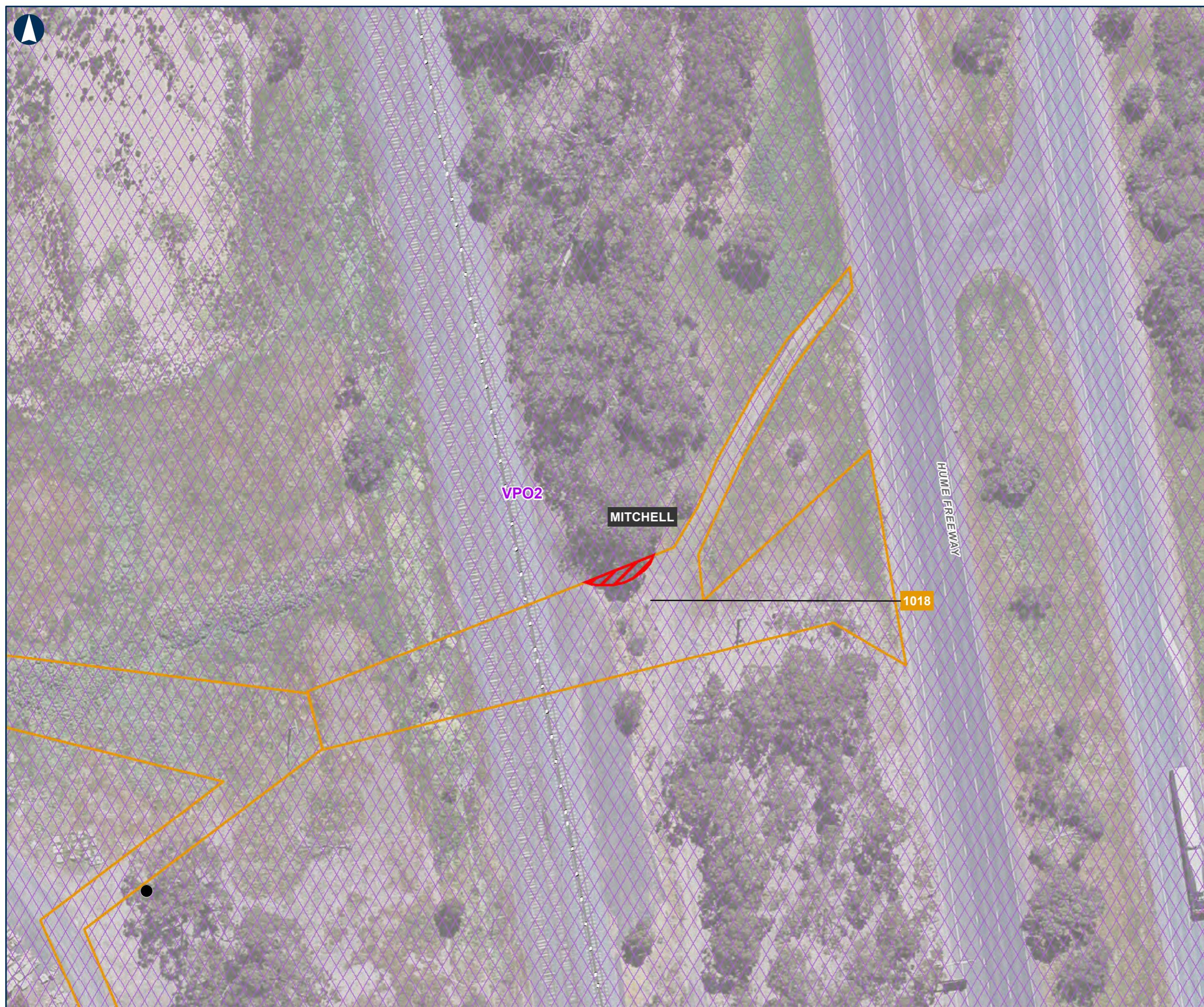
Date: 5/07/2021 Paper: A3  
 Author: JB Scale: 1:4,740  
 Data Sources: DELWP (2020) Figure 7



**Environmental Overlays**

MAP 15 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  Native Trees Impacted
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  VPO2 - Vegetation Protection



Coordinate System: GDA 1994 MGA Zone 55

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 Author: JB      Scale: 1:630  
 Data Sources: DELWP (2020)      Figure 7





**Environmental Overlays**

MAP 16 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  KM Posts
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  VPO2 - Vegetation Protection



0 25 50 Meters

Coordinate System: GDA 1994 MGA Zone 55





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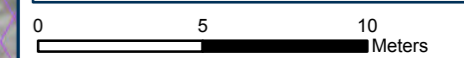
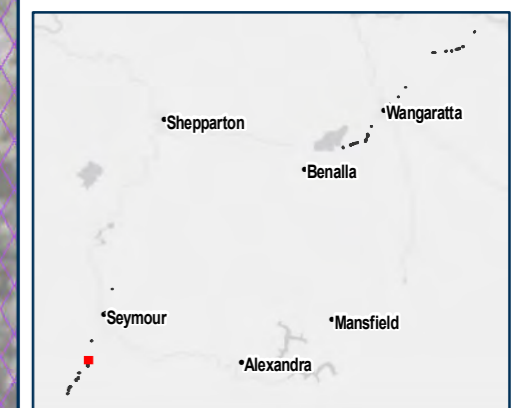
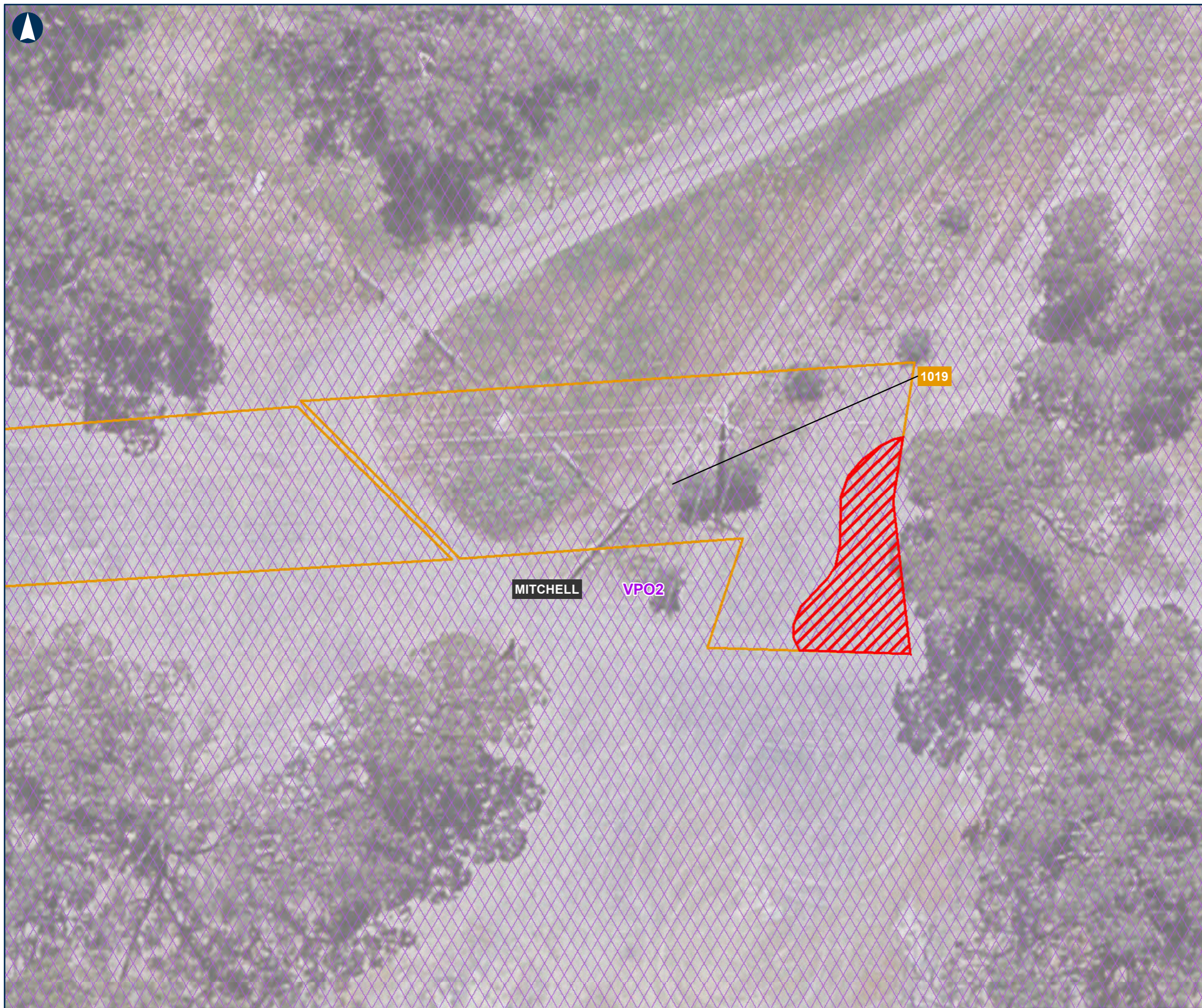
Date: 5/07/2021      Paper: A3  
 Author: JB      Scale: 1:1,250  
 Data Sources: DELWP (2020)      Figure 7



**Environmental Overlays**

MAP 17 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  LGA Boundaries
- Planning Overlay**
-  VPO2 - Vegetation Protection



Coordinate System: GDA 1994 MGA Zone 55






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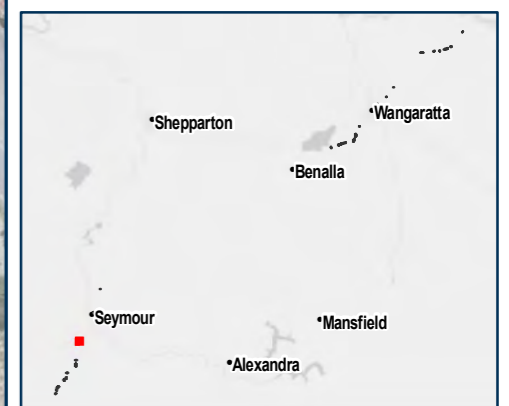
Date: 5/07/2021      Paper: A3  
 Author: JB      Scale: 1:230  
 Data Sources: DELWP (2020)      Figure 7



**Environmental Overlays**

MAP 18 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  VPO1 - Vegetation Protection



0 10 20 Meters

Coordinate System: GDA 1994 MGA Zone 55






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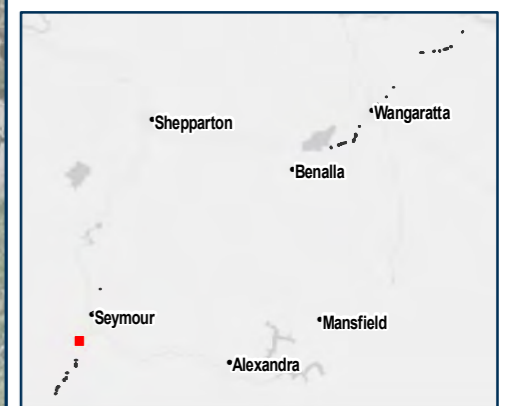
Date: 5/07/2021 Paper: A3  
 Author: JB Scale: 1:750  
 Data Sources: DELWP (2020) Figure 7



**Environmental Overlays**

MAP 19 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  VPO1 - Vegetation Protection



0 20 40 Meters

Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/07/2021  
 Author: JB  
 Data Sources: DELWP (2020)

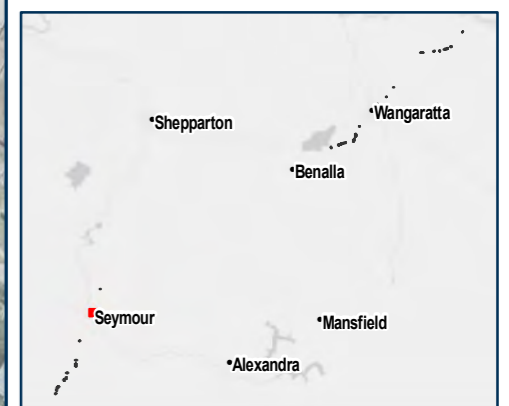
Paper: A3  
 Scale: 1:1,040  
 Figure 7



**Environmental Overlays**

MAP 20 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  Non-native Vegetation Impacted
-  Native Trees Impacted
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  ESO3 - Environmental Significance



0 25 50 Meters

Coordinate System: GDA 1994 MGA Zone 55

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 Author: JB Scale: 1:1,160  
 Data Sources: DELWP (2020) Figure 7

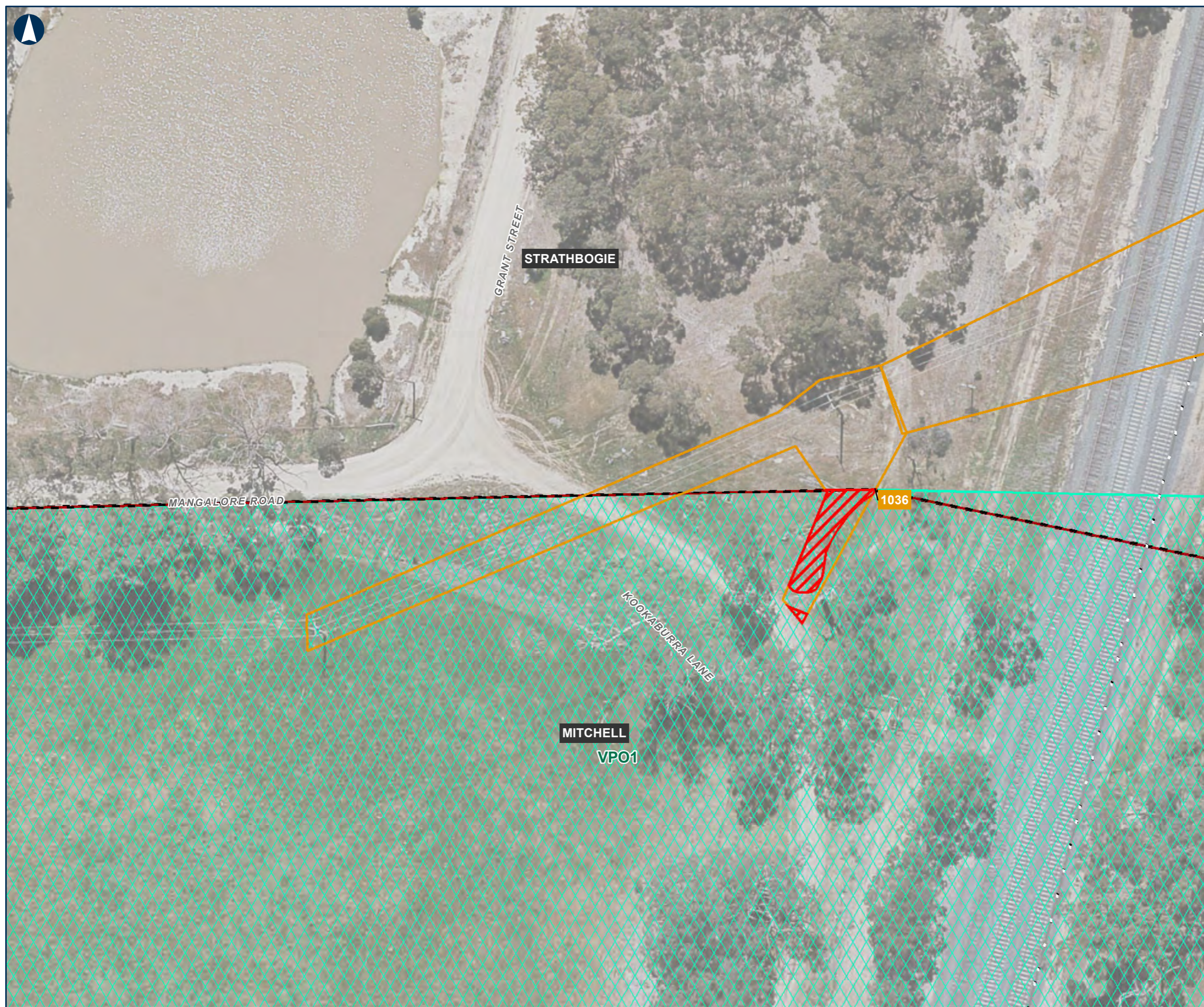
1033



**Environmental Overlays**

MAP 21 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  VPO1 - Vegetation Protection



0 10 20 Meters

Coordinate System: GDA 1994 MGA Zone 55

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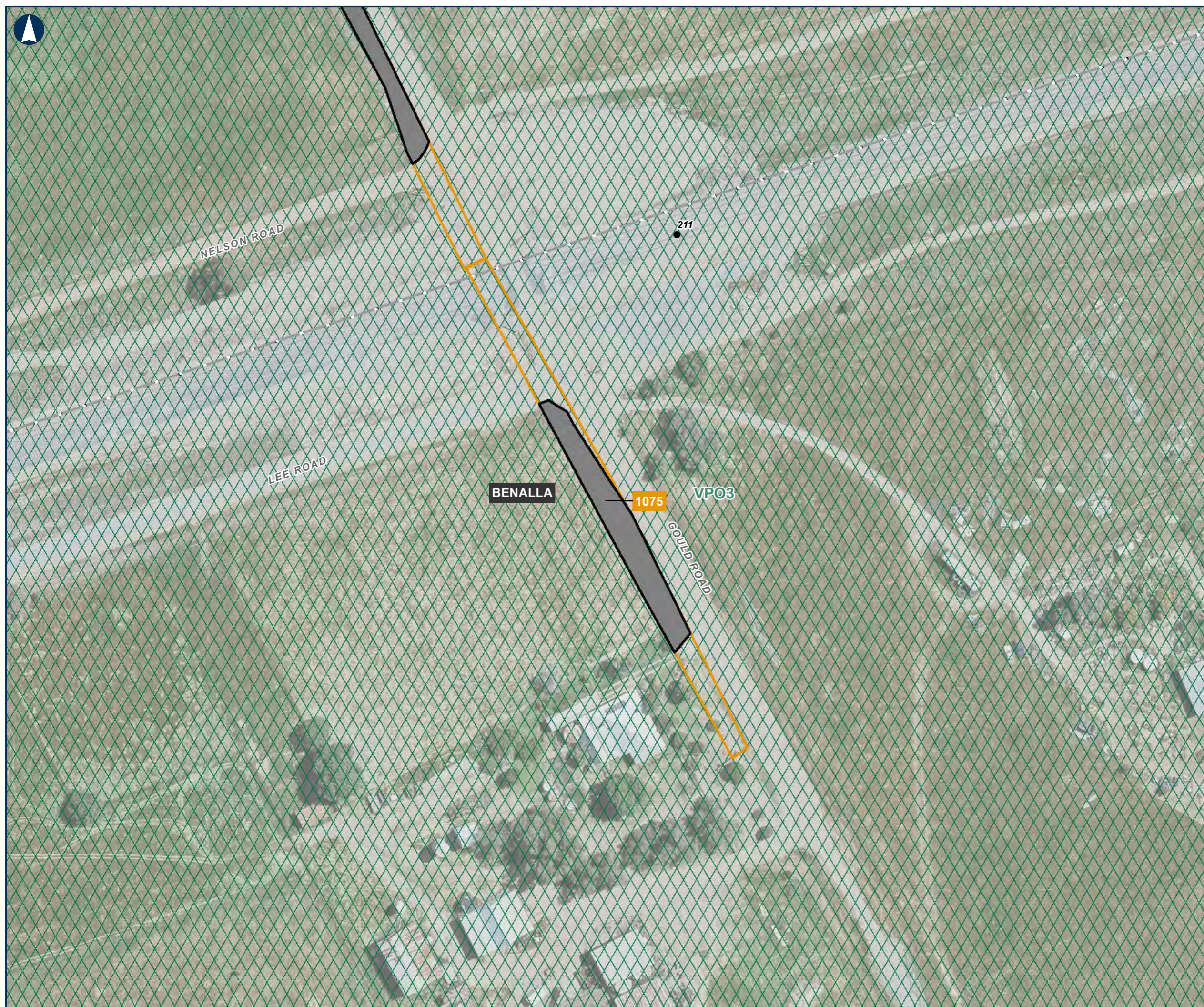
Date: 5/07/2021 Paper: A3  
 Author: JB Scale: 1:530  
 Data Sources: DELWP (2020) Figure 7



**Environmental Overlays**

MAP 22 OF 62

- Overhead Powerline Sites
- Non-native Vegetation Impacted
- KM Posts
- Railway
- LGA Boundaries
- Planning Overlay**
- VPO3 - Vegetation Protection



0 20 40 Meters

Coordinate System: GDA 1994 MGA Zone 55







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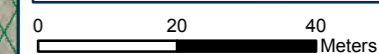
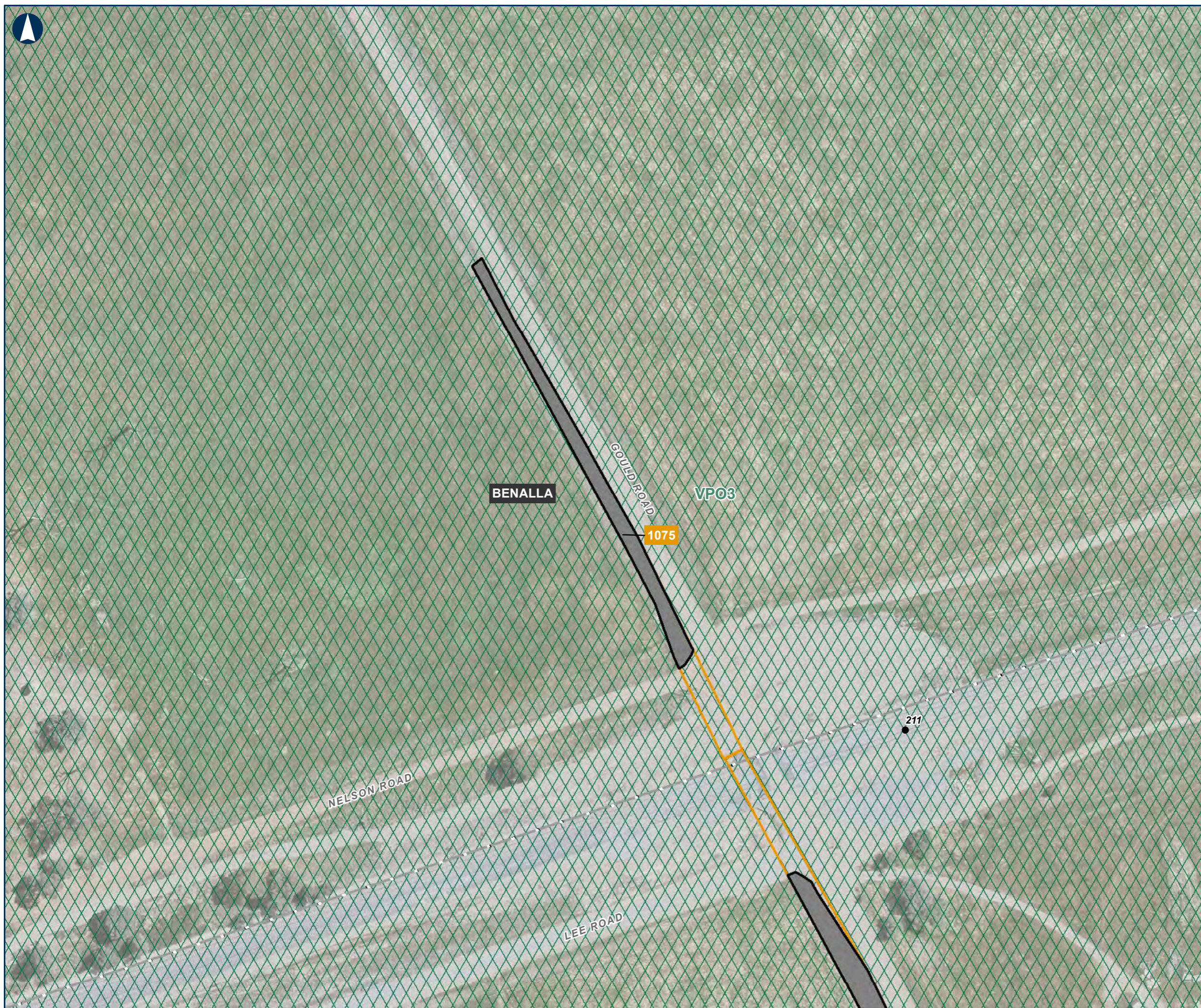
Date: 5/07/2021 Paper: A3  
 Author: JB Scale: 1:930  
 Data Sources: DELWP (2020) Figure 7



**Environmental Overlays**

MAP 23 OF 62

-  Overhead Powerline Sites
-  Non-native Vegetation Impacted
-  KM Posts
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  VPO3 - Vegetation Protection



Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/07/2021  
 Author: JB  
 Data Sources: DELWP (2020)








Paper: A3  
 Scale: 1:1,090  
 Figure 7

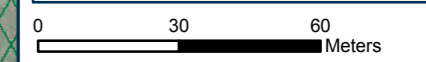
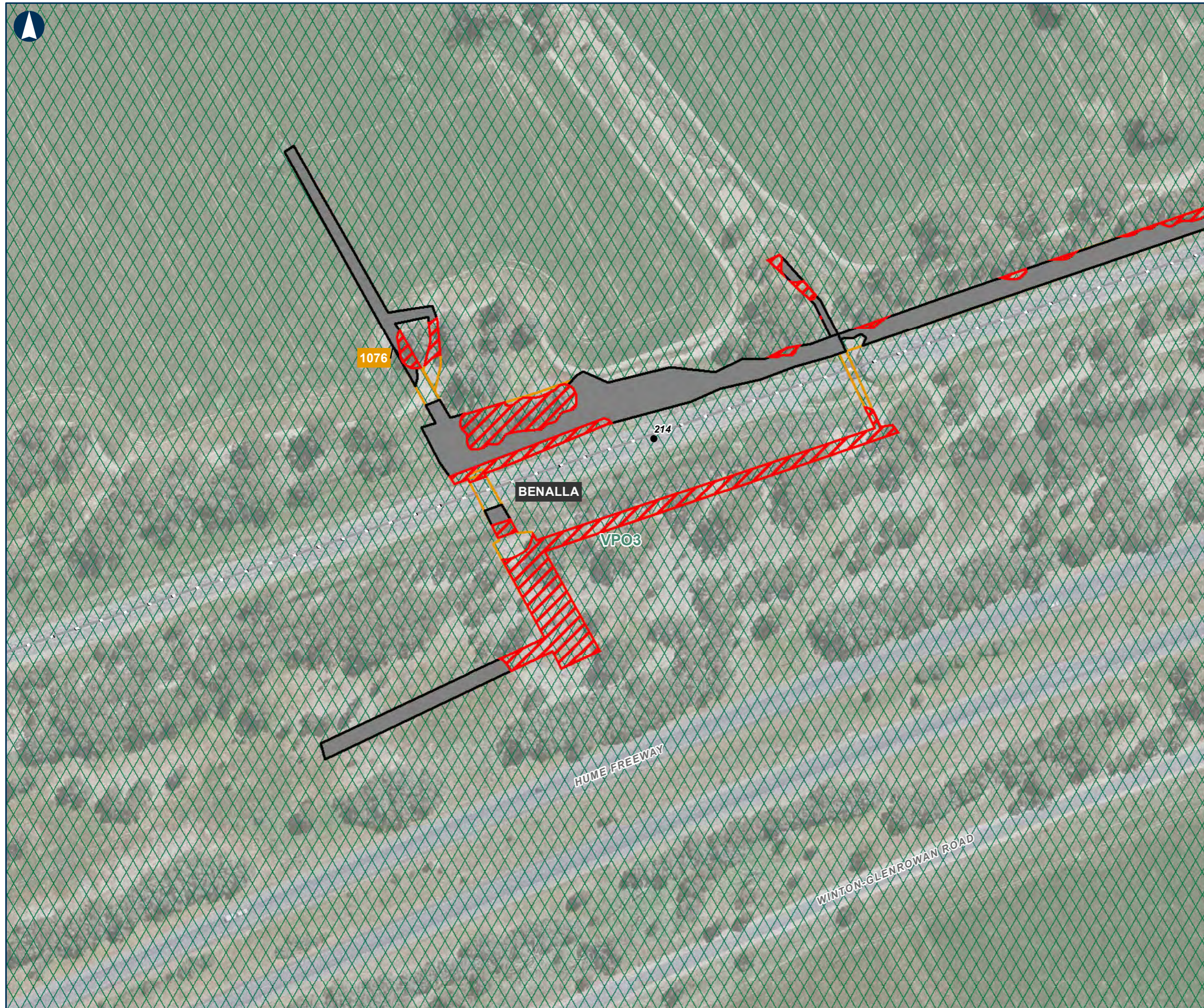




**Environmental Overlays**

MAP 24 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  Non-native Vegetation Impacted
-  KM Posts
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  VPO3 - Vegetation Protection



Coordinate System: GDA 1994 MGA Zone 55









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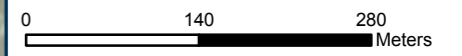
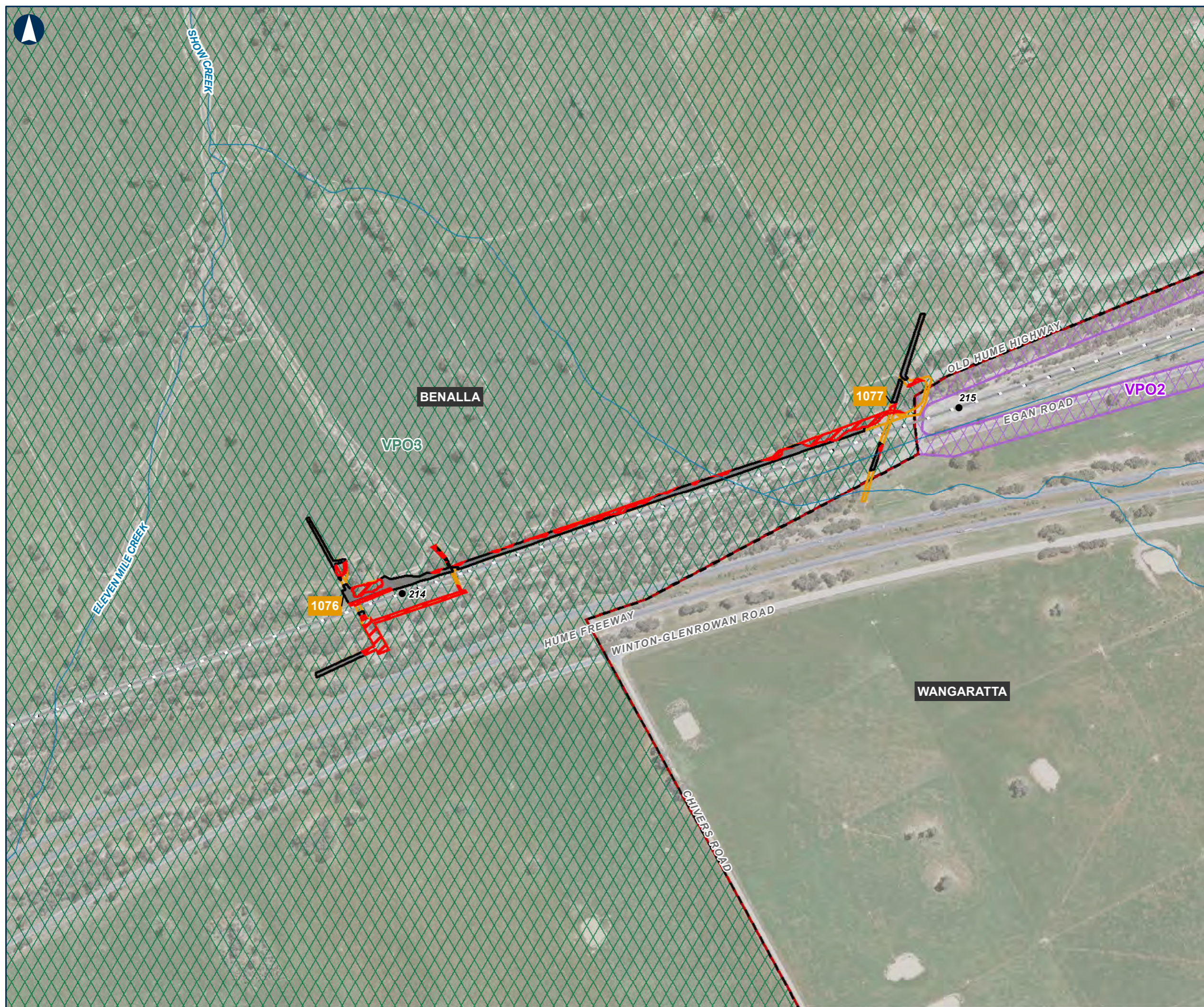
Date: 5/07/2021      Paper: A3  
 Author: JB      Scale: 1:1,610  
 Data Sources: DELWP (2020)      Figure 7



**Environmental Overlays**

MAP 25 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  Non-native Vegetation Impacted
-  KM Posts
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  VPO2 - Vegetation Protection
-  VPO3 - Vegetation Protection



Coordinate System: GDA 1994 MGA Zone 55









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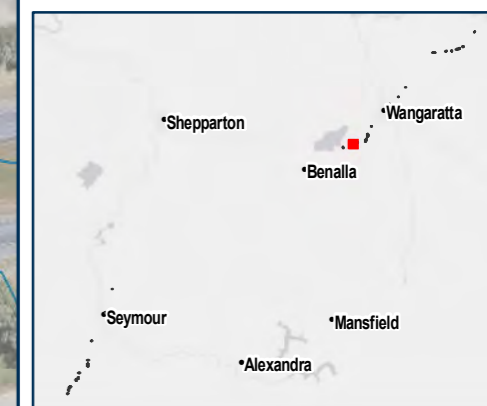
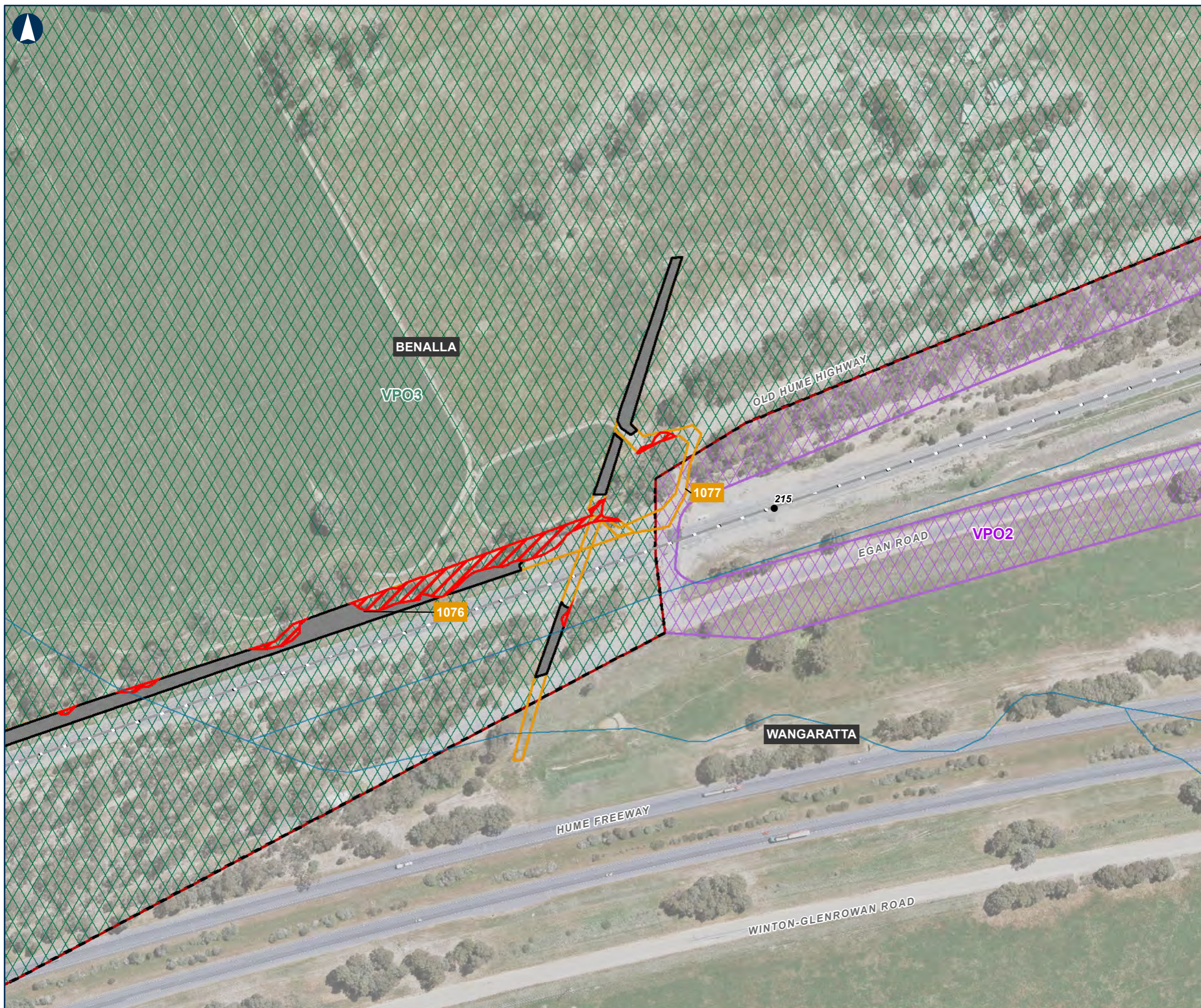
Date: 5/07/2021      Paper: A3  
 Author: JB      Scale: 1:6,140  
 Data Sources: DELWP (2020)      Figure 7



**Environmental Overlays**

MAP 26 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  Non-native Vegetation Impacted
-  KM Posts
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  VPO2 - Vegetation Protection
-  VPO3 - Vegetation Protection



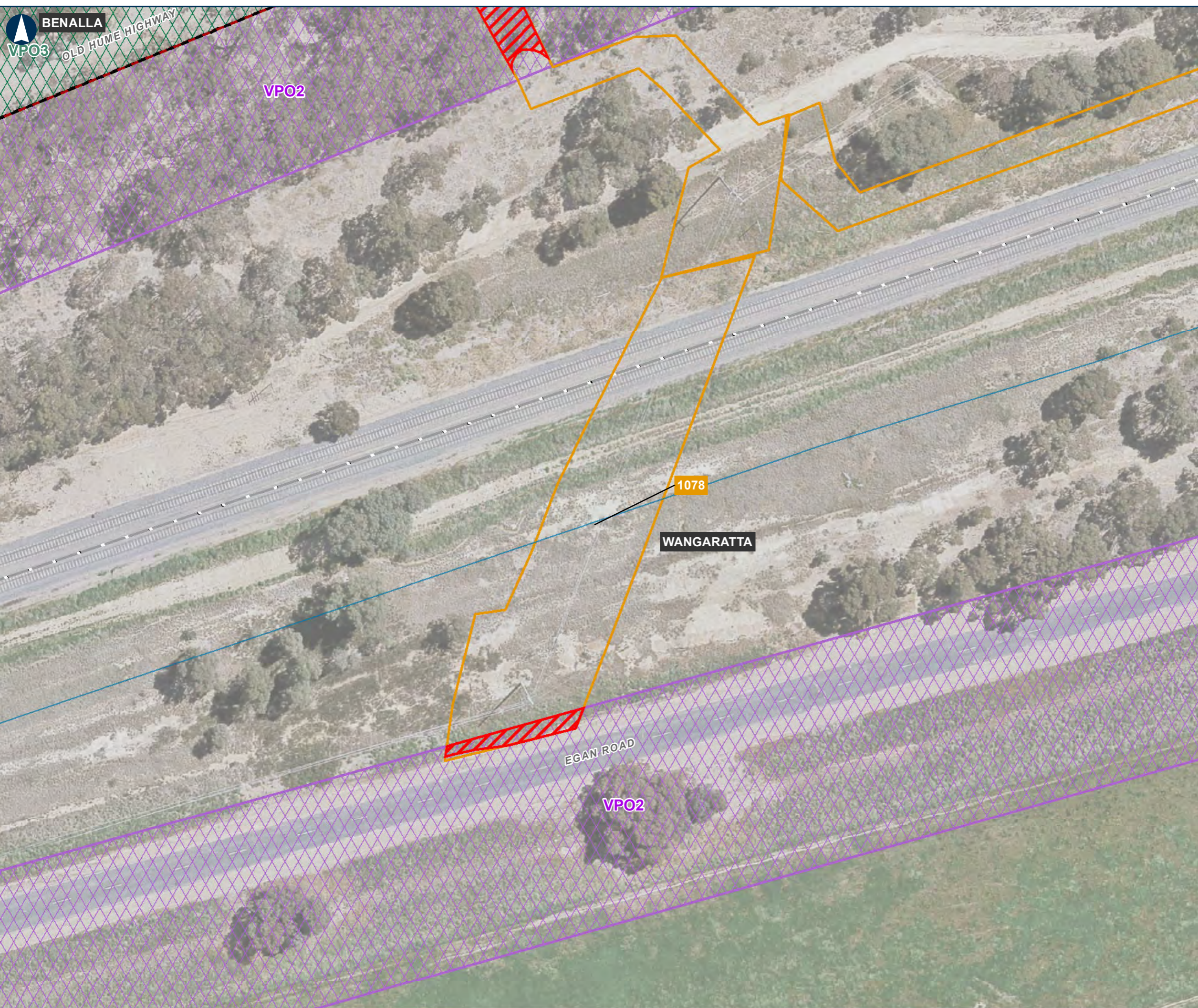
0 50 100 Meters

Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/07/2021  
 Author: JB  
 Data Sources: DELWP (2020)

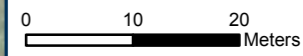
Paper: A3  
 Scale: 1:2,300  
 Figure 7



**Environmental Overlays**

MAP 27 OF 62

- Overhead Powerline Sites
- Native Vegetation Impacted
- Railway
- LGA Boundaries
- Planning Overlay**
- VPO2 - Vegetation Protection
- VPO3 - Vegetation Protection



Coordinate System: GDA 1994 MGA Zone 55







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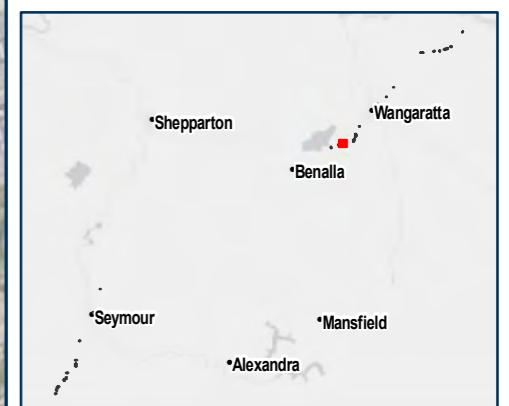
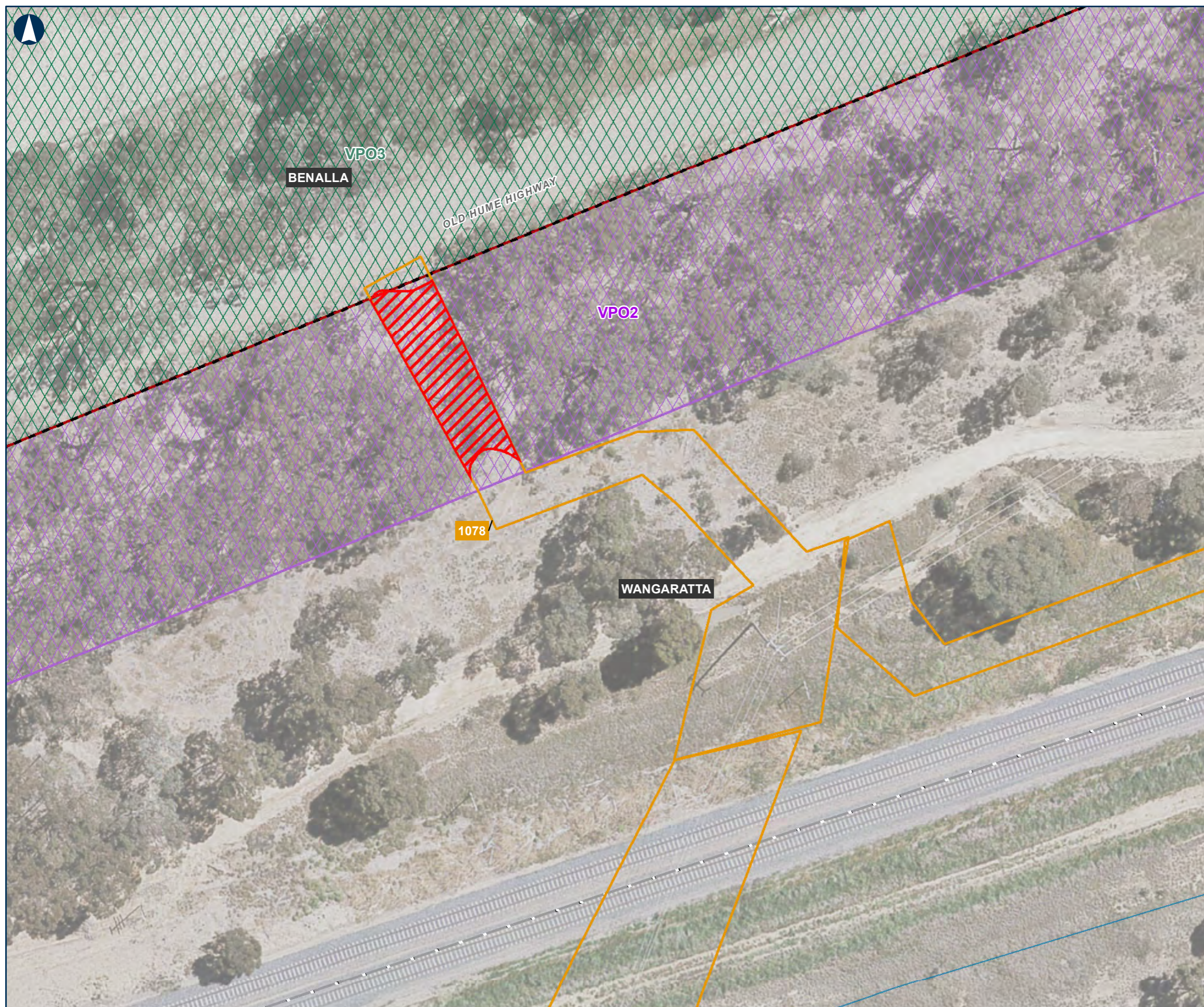
Date: 5/07/2021      Paper: A3  
 Author: JB      Scale: 1:710  
 Data Sources: DELWP (2020)      Figure 7



**Environmental Overlays**

MAP 28 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  VPO2 - Vegetation Protection
-  VPO3 - Vegetation Protection



0 10 20 Meters

Coordinate System: GDA 1994 MGA Zone 55

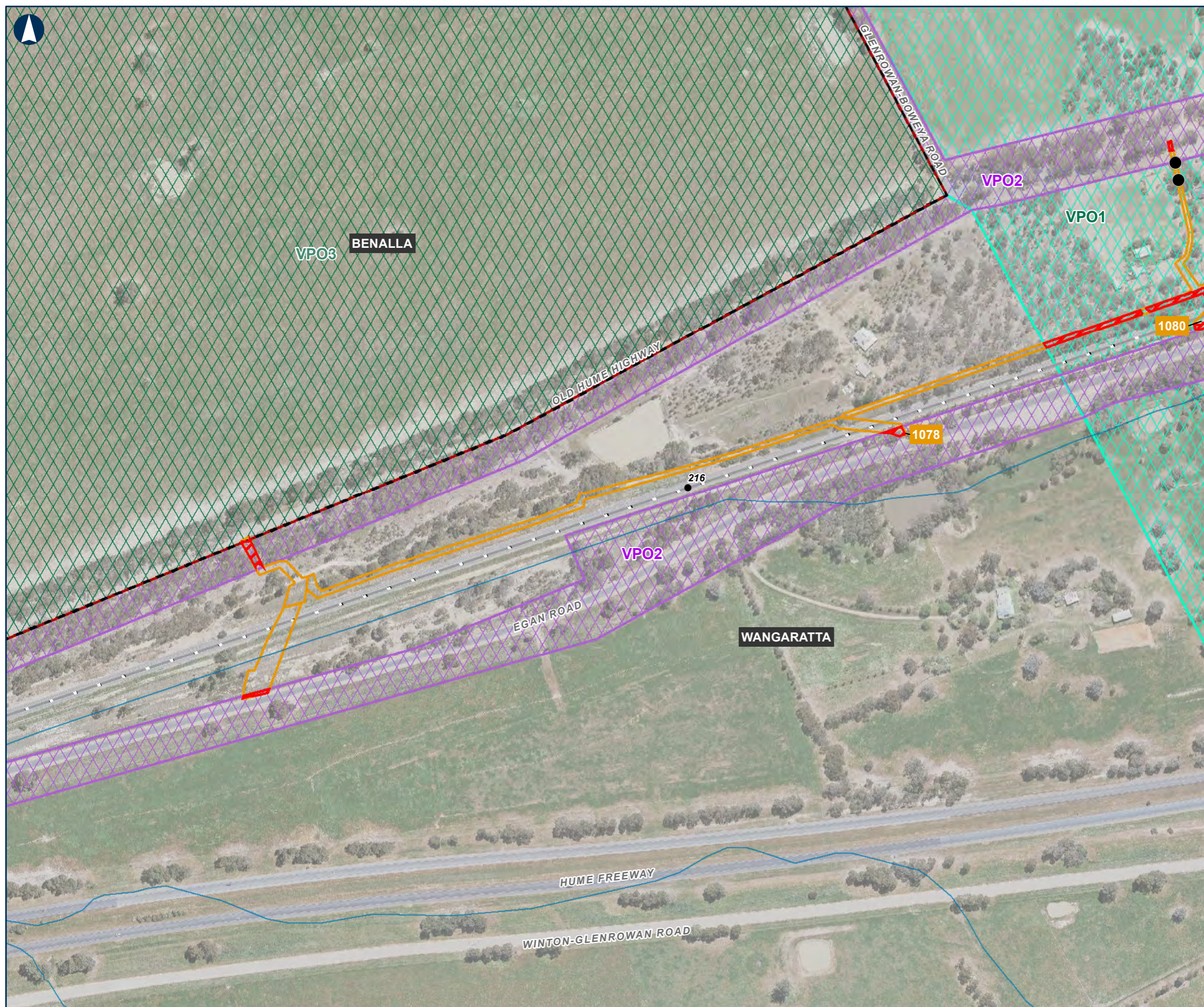
ARTC makes no representation or warranty and assumes no duty of care or other responsibility to any party as to the completeness, accuracy or suitability of the information contained in this GIS map. The GIS map has been prepared from material provided to ARTC by an external source and ARTC has not taken any steps to verify the completeness, accuracy or suitability of that material. ARTC will not be responsible for any loss or damage suffered as a result of any person whatsoever placing reliance upon the information contained within this GIS map.

Date: 5/07/2021 Paper: A3  
 Author: JB Scale: 1:520  
 Data Sources: DELWP (2020) Figure 7

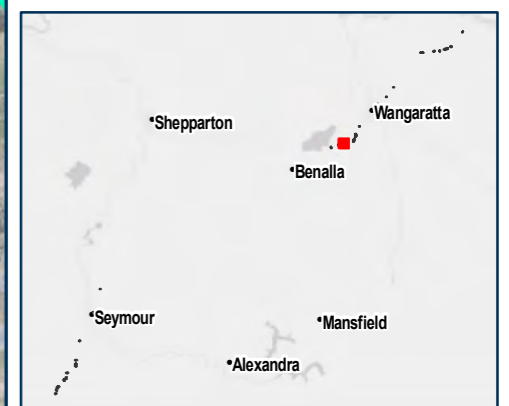


**Environmental Overlays**

MAP 29 OF 62



- Overhead Powerline Sites
- Native Vegetation Impacted
- Native Trees Impacted
- KM Posts
- Railway
- LGA Boundaries
- Planning Overlay**
- VPO1 - Vegetation Protection
- VPO2 - Vegetation Protection
- VPO3 - Vegetation Protection



0 80 160 Meters

Coordinate System: GDA 1994 MGA Zone 55

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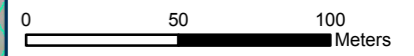
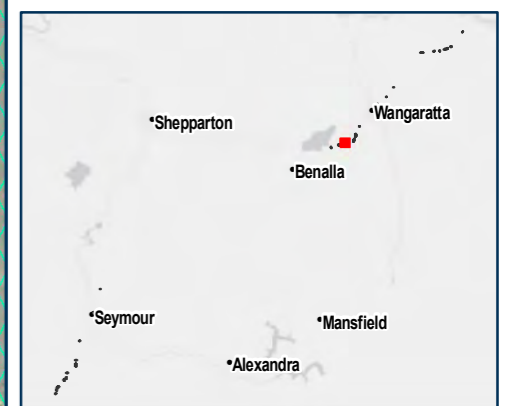
Date: 5/07/2021 Paper: A3  
 Author: JB Scale: 1:3,740  
 Data Sources: DELWP (2020) Figure 7



**Environmental Overlays**

MAP 30 OF 62

- Overhead Powerline Sites
- Native Vegetation Impacted
- Native Trees Impacted
- KM Posts
- Railway
- LGA Boundaries
- Planning Overlay**
- VPO1 - Vegetation Protection
- VPO2 - Vegetation Protection
- VPO3 - Vegetation Protection



Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/07/2021  
 Author: JB  
 Data Sources: DELWP (2020)

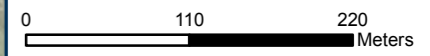
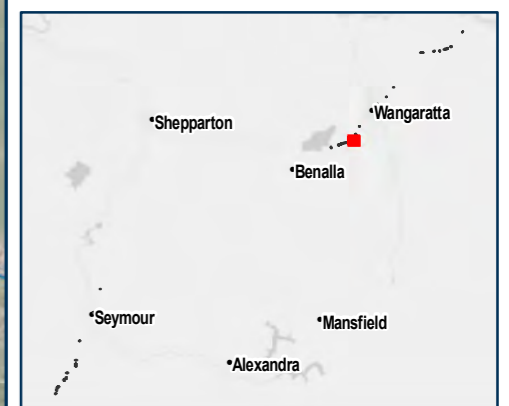
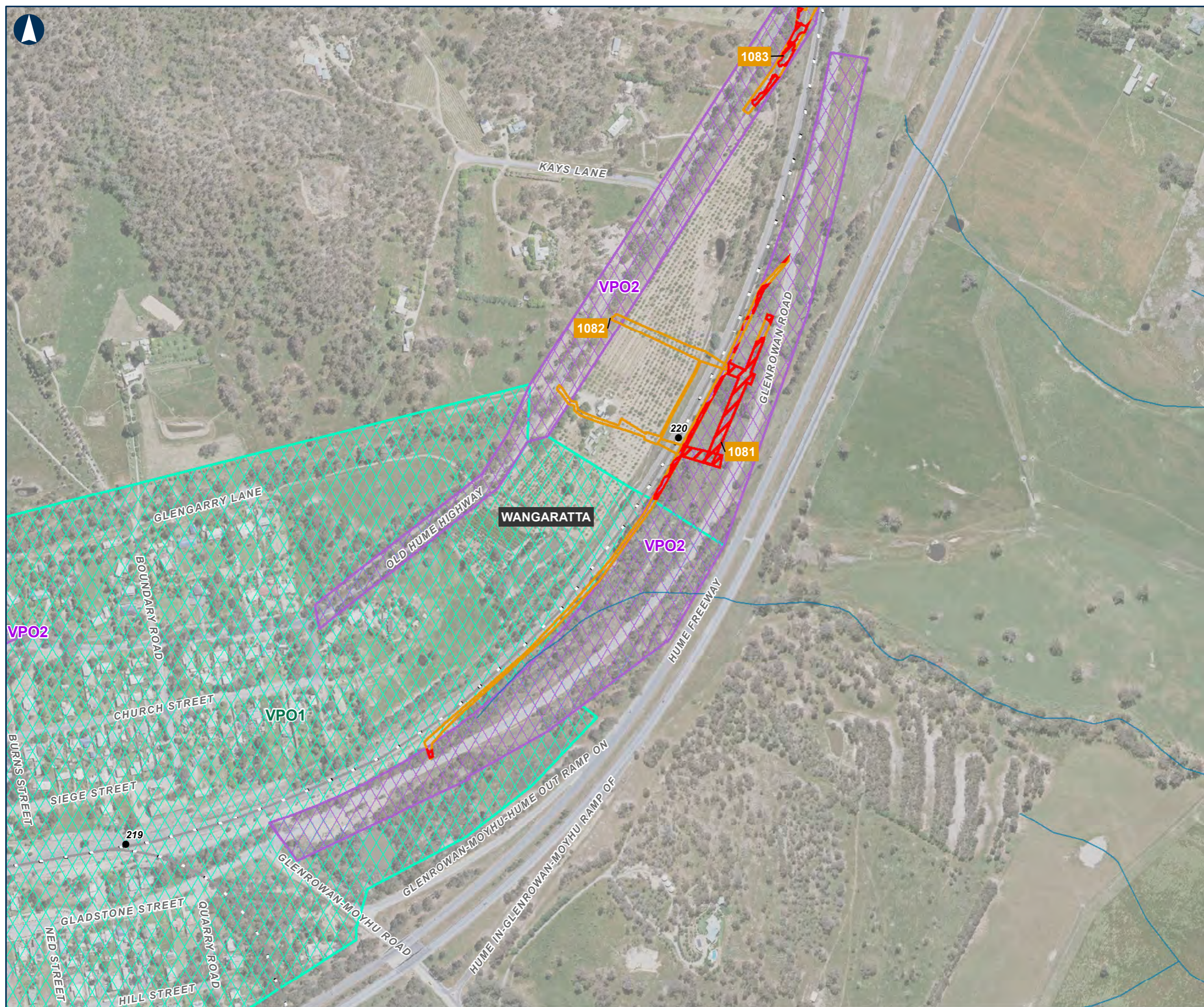
Paper: A3  
 Scale: 1:2,490  
 Figure 7



**Environmental Overlays**

MAP 31 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  KM Posts
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  VPO1 - Vegetation Protection
-  VPO2 - Vegetation Protection



Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/07/2021  
 Author: JB  
 Data Sources: DELWP (2020)








Paper: A3  
 Scale: 1:5,100  
 Figure 7

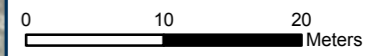
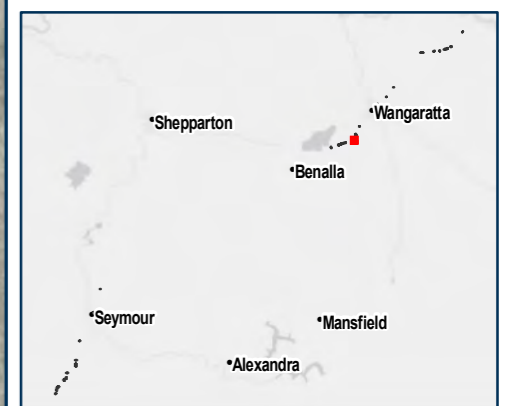
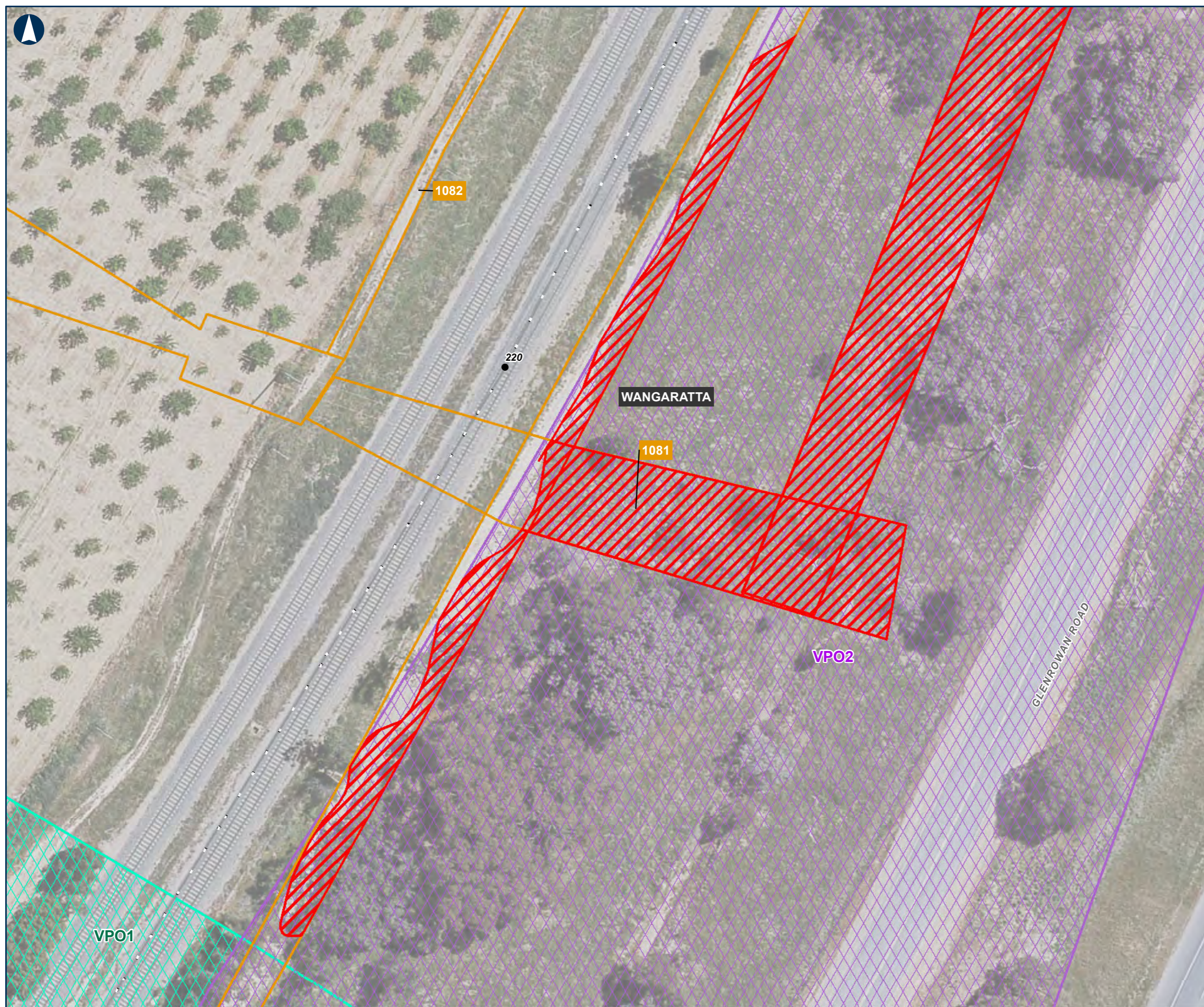




**Environmental Overlays**

MAP 32 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  KM Posts
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  VPO1 - Vegetation Protection
-  VPO2 - Vegetation Protection



Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/07/2021  
 Author: JB  
 Data Sources: DELWP (2020)

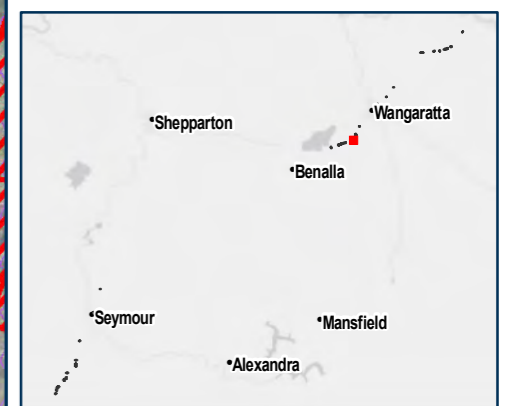
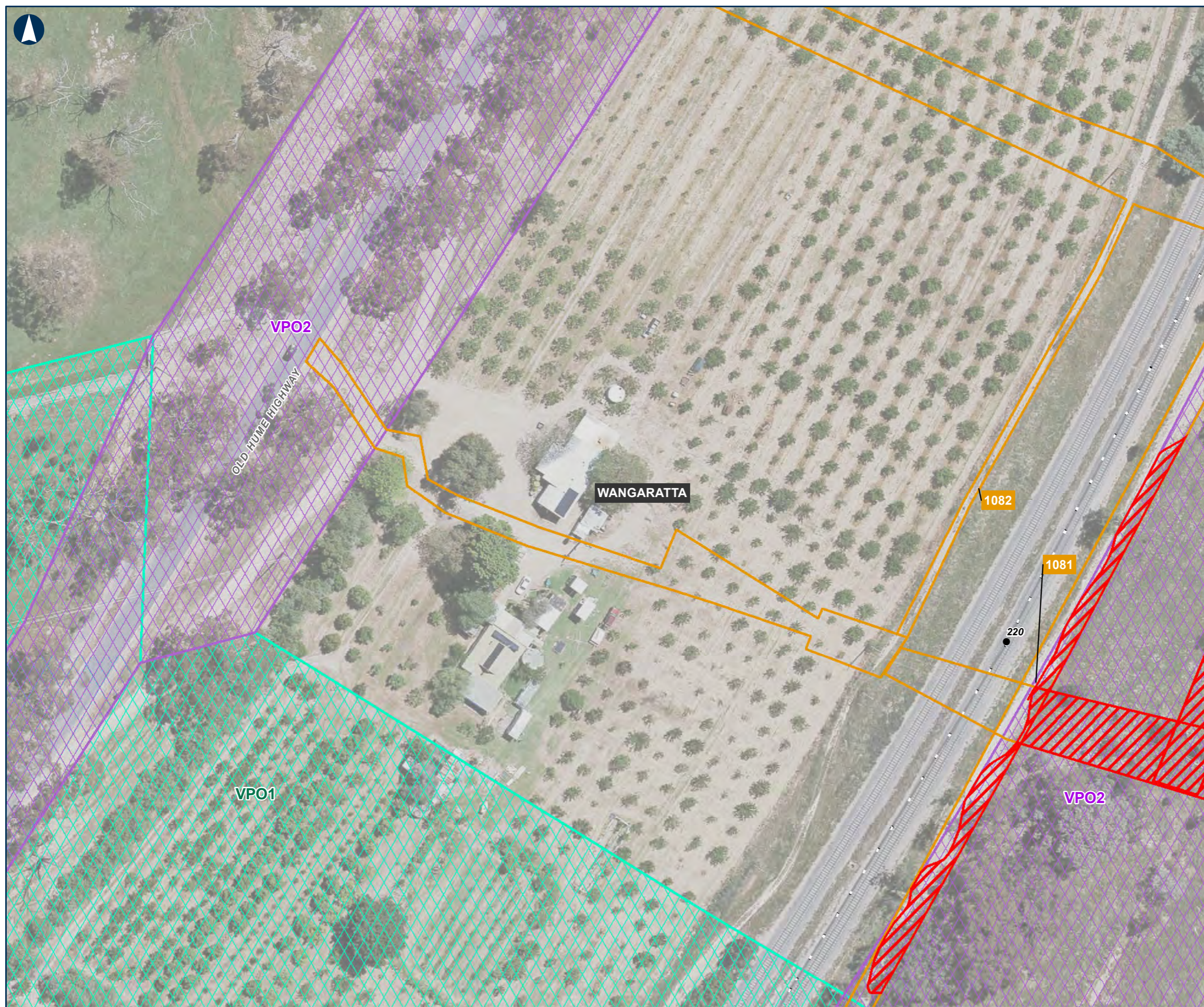
Paper: A3  
 Scale: 1:550  
 Figure 7



**Environmental Overlays**

MAP 33 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  KM Posts
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  VPO1 - Vegetation Protection
-  VPO2 - Vegetation Protection



0 20 40 Meters

Coordinate System: GDA 1994 MGA Zone 55

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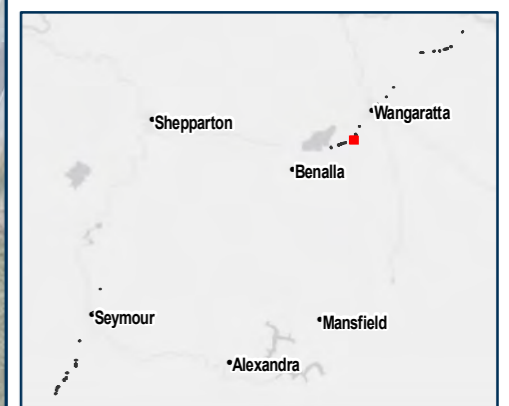
Date: 5/07/2021 Paper: A3  
 Author: JB Scale: 1:890  
 Data Sources: DELWP (2020) Figure 7



**Environmental Overlays**

MAP 34 OF 62

- Overhead Powerline Sites
- Native Vegetation Impacted
- KM Posts
- Railway
- LGA Boundaries
- Planning Overlay**
- VPO1 - Vegetation Protection
- VPO2 - Vegetation Protection



0 25 50 Meters

Coordinate System: GDA 1994 MGA Zone 55







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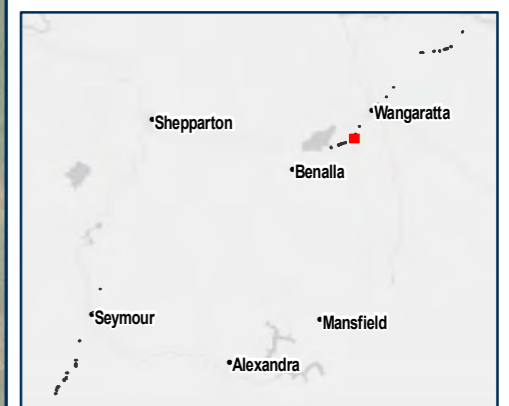
Date: 5/07/2021      Paper: A3  
 Author: JB      Scale: 1:1,260  
 Data Sources: DELWP (2020)      Figure 7



**Environmental Overlays**

MAP 35 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  Native Trees Impacted
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  VPO2 - Vegetation Protection



0 40 80 Meters

Coordinate System: GDA 1994 MGA Zone 55






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Date: 5/07/2021 Paper: A3  
 Author: JB Scale: 1:2,180  
 Data Sources: DELWP (2020) Figure 7



**Environmental Overlays**

MAP 36 OF 62

-  Overhead Powerline Sites
-  Native Trees Impacted
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  VPO2 - Vegetation Protection



0 2.5 5 Meters

Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/07/2021  
 Author: JB  
 Data Sources: DELWP (2020)

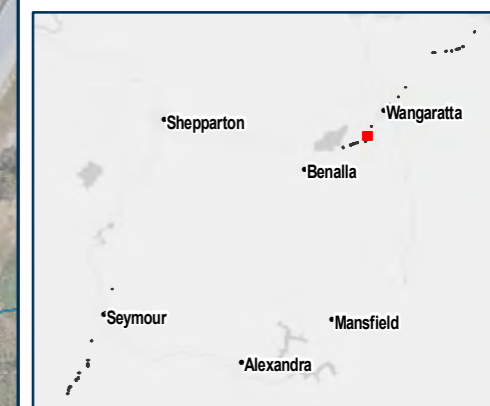
Paper: A3  
 Scale: 1:130  
 Figure 7



**Environmental Overlays**

MAP 37 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  KM Posts
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  VPO2 - Vegetation Protection



0 50 100 Meters

Coordinate System: GDA 1994 MGA Zone 55





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Date: 5/07/2021 Paper: A3  
 Author: JB Scale: 1:2,330  
 Data Sources: DELWP (2020) Figure 7



**Environmental Overlays**

MAP 38 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  LGA Boundaries
- Planning Overlay**
-  VPO2 - Vegetation Protection



Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/07/2021  
 Author: JB  
 Data Sources: DELWP (2020)

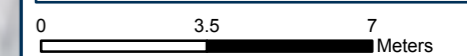
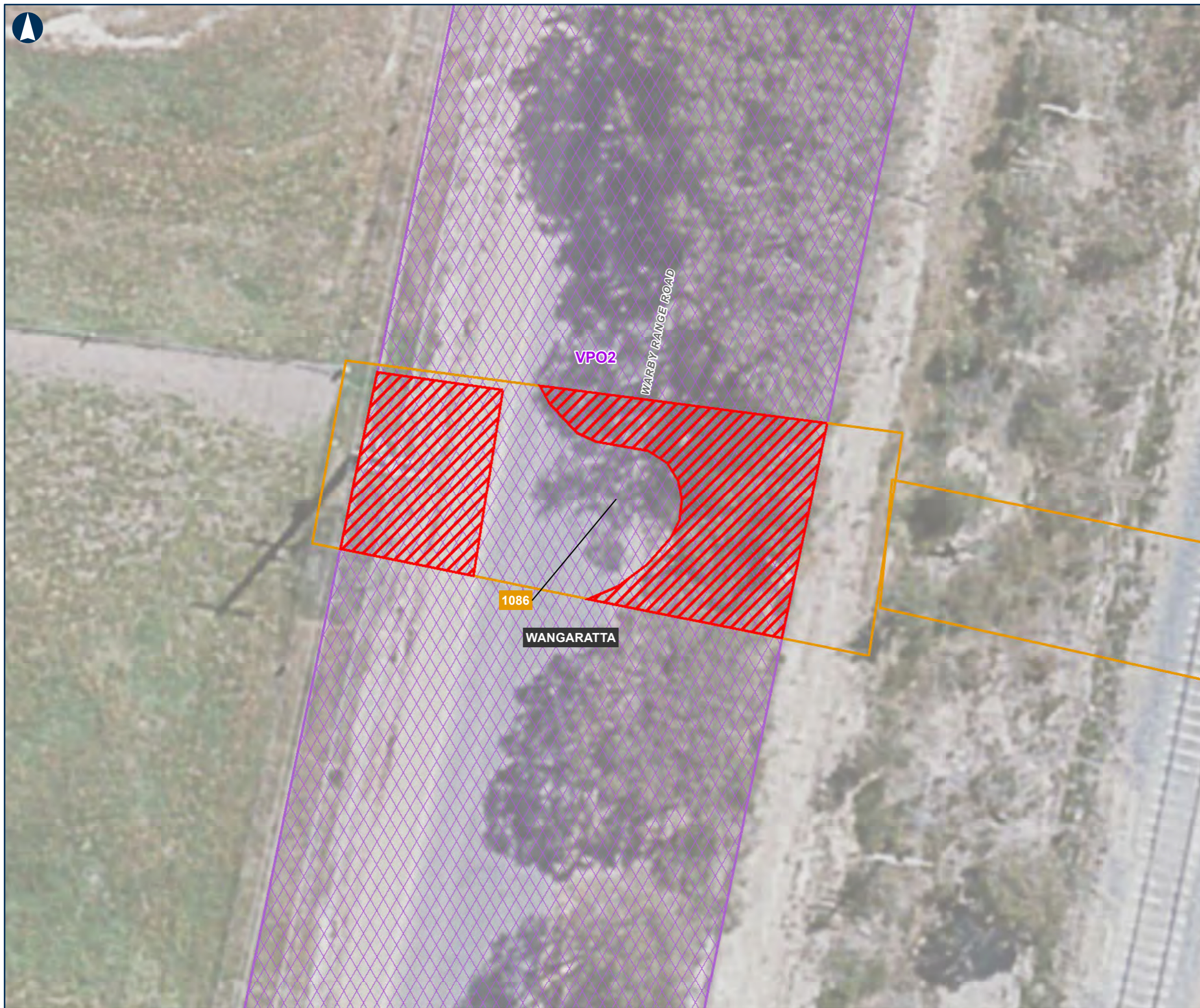
Paper: A3  
 Scale: 1:1,050  
 Figure 7



**Environmental Overlays**

MAP 39 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  LGA Boundaries
- Planning Overlay**
-  VPO2 - Vegetation Protection



Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/07/2021      Paper: A3  
 Author: JB      Scale: 1:160  
 Data Sources: DELWP (2020)      Figure 7





### Environmental Overlays

MAP 40 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  VPO2 - Vegetation Protection



0 30 60 Meters

Coordinate System: GDA 1994 MGA Zone 55






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Date: 5/07/2021      Paper: A3  
 Author: JB      Scale: 1:1,320  
 Data Sources: DELWP (2020)      Figure 7



**Environmental Overlays**

MAP 41 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  VPO2 - Vegetation Protection



0 25 50 Meters

Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/07/2021  
 Author: JB  
 Data Sources: DELWP (2020)

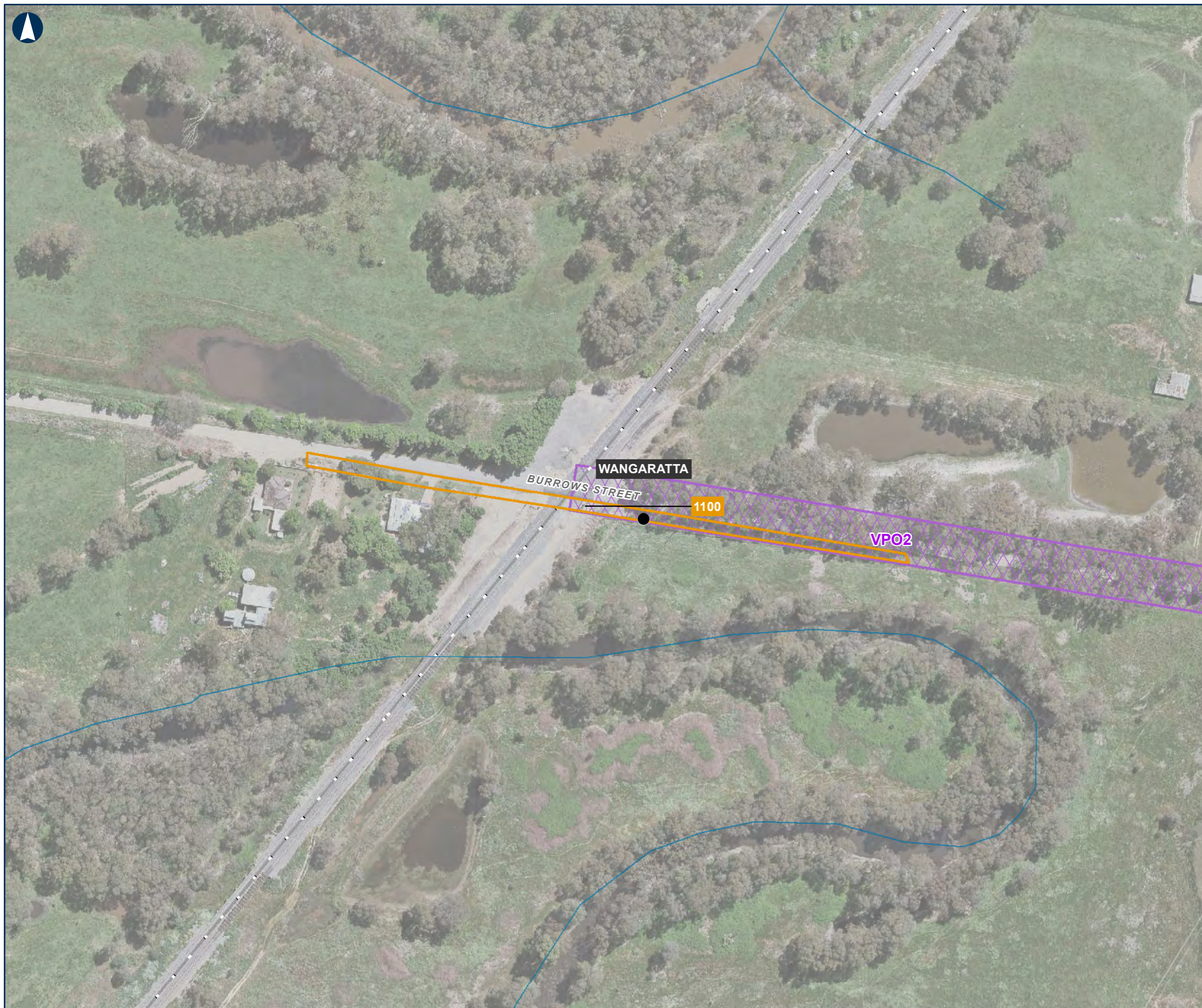
Paper: A3  
 Scale: 1:1,200  
 Figure 7



**Environmental Overlays**

MAP 42 OF 62

-  Overhead Powerline Sites
-  Native Trees Impacted
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  VPO2 - Vegetation Protection



0 30 60 Meters

Coordinate System: GDA 1994 MGA Zone 55





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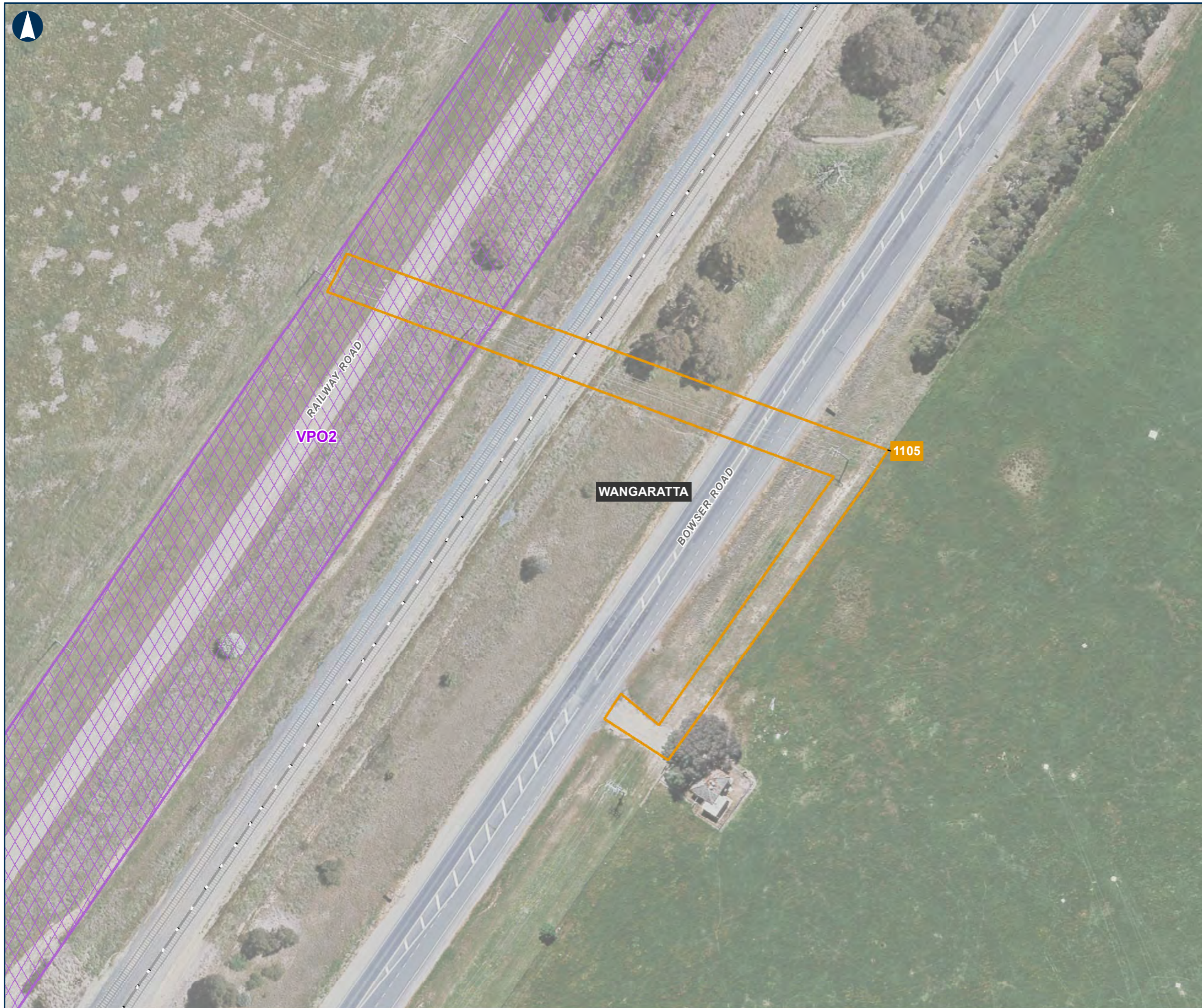
Date: 5/07/2021 Paper: A3  
 Author: JB Scale: 1:1,680  
 Data Sources: DELWP (2020) Figure 7



**Environmental Overlays**

MAP 43 OF 62

-  Overhead Powerline Sites
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  VPO2 - Vegetation Protection



0 20 40 Meters

Coordinate System: GDA 1994 MGA Zone 55





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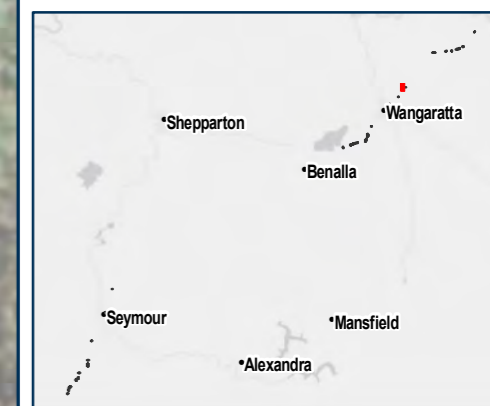
Date: 5/07/2021 Paper: A3  
 Author: JB Scale: 1:880  
 Data Sources: DELWP (2020) Figure 7



**Environmental Overlays**

MAP 44 OF 62

-  Overhead Powerline Sites
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  VPO2 - Vegetation Protection



0 5.5 11 Meters

Coordinate System: GDA 1994 MGA Zone 55









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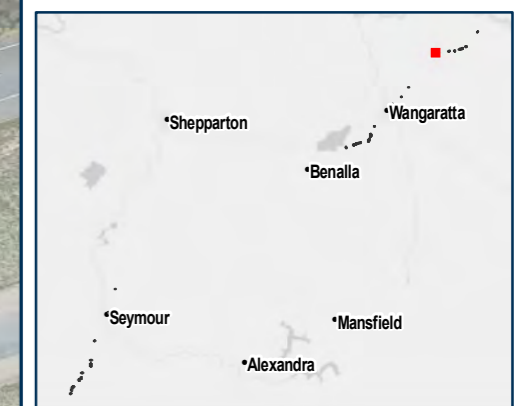
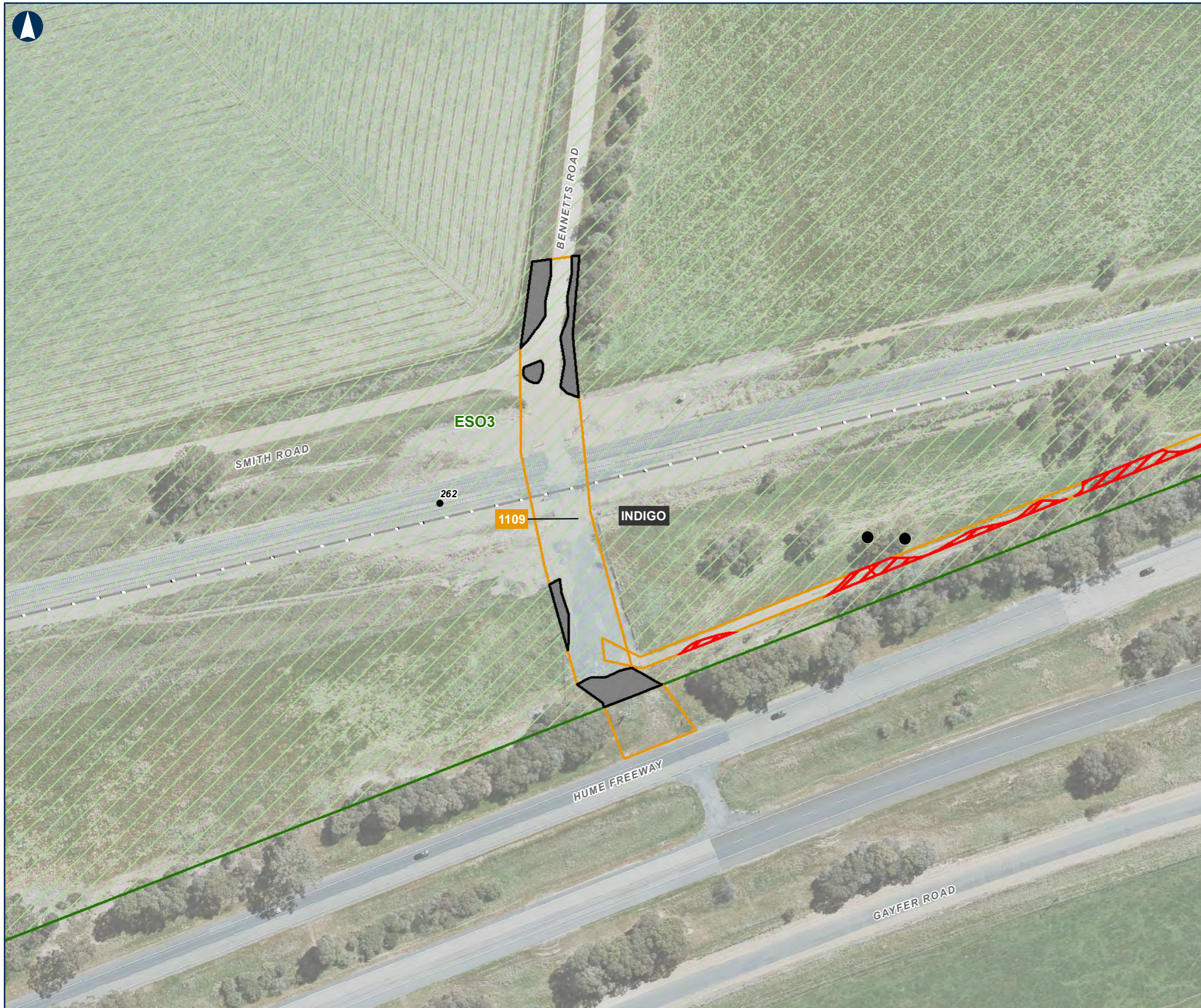
Date: 5/07/2021 Paper: A3  
 Author: JB Scale: 1:250  
 Data Sources: DELWP (2020) Figure 7



**Environmental Overlays**

MAP 45 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  Non-native Vegetation Impacted
-  Native Trees Impacted
-  KM Posts
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  ESO3 - Environmental Significance

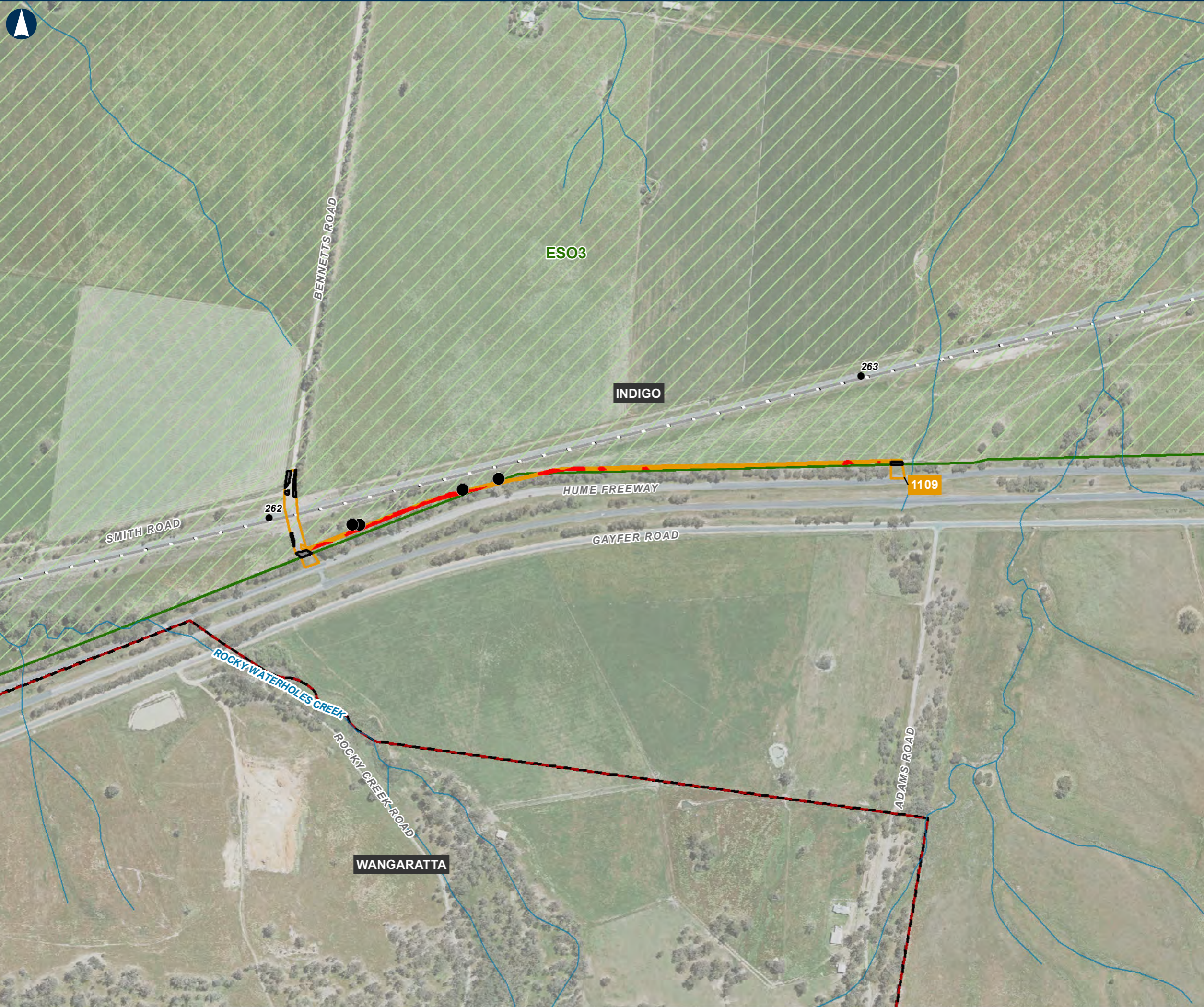


Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/07/2021  
 Author: JB  
 Data Sources: DELWP (2020)

Paper: A3  
 Scale: 1:1,160  
 Figure 7

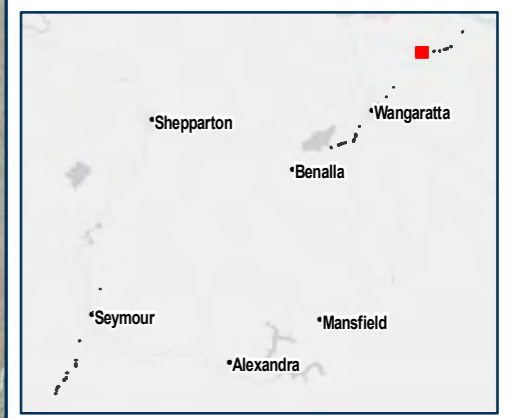


The Australian Government is delivering Inland Rail through the Australian Rail Track Corporation (ARTC) in partnership with the private sector.

**Environmental Overlays**

MAP 46 OF 62

- Overhead Powerline Sites
- Native Vegetation Impacted
- Non-native Vegetation Impacted
- Native Trees Impacted
- KM Posts
- Railway
- LGA Boundaries
- Planning Overlay**
- ESO3 - Environmental Significance



Coordinate System: GDA 1994 MGA Zone 55








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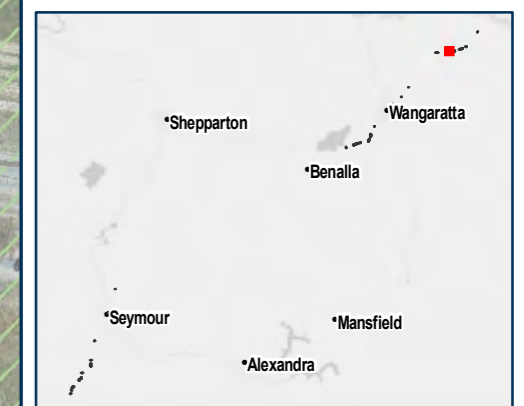
Date: 5/07/2021      Paper: A3  
 Author: JB      Scale: 1:5,970  
 Data Sources: DELWP (2020)      Figure 7



**Environmental Overlays**

MAP 47 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  Non-native Vegetation Impacted
-  KM Posts
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  ESO3 - Environmental Significance



Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/07/2021  
 Author: JB  
 Data Sources: DELWP (2020)







Paper: A3  
 Scale: 1:2,330  
 Figure 7





**Environmental Overlays**

MAP 48 OF 62

-  Overhead Powerline Sites
-  Non-native Vegetation Impacted
-  Native Trees Impacted
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  ESO3 - Environmental Significance



0 25 50 Meters

Coordinate System: GDA 1994 MGA Zone 55







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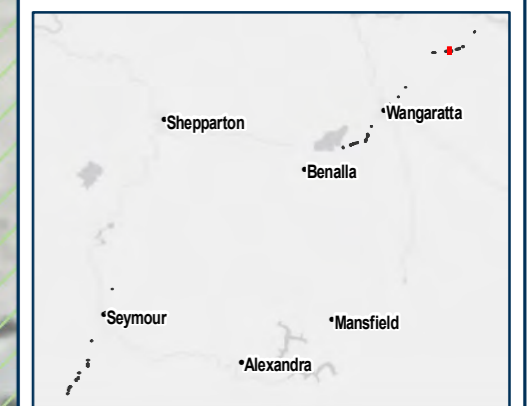
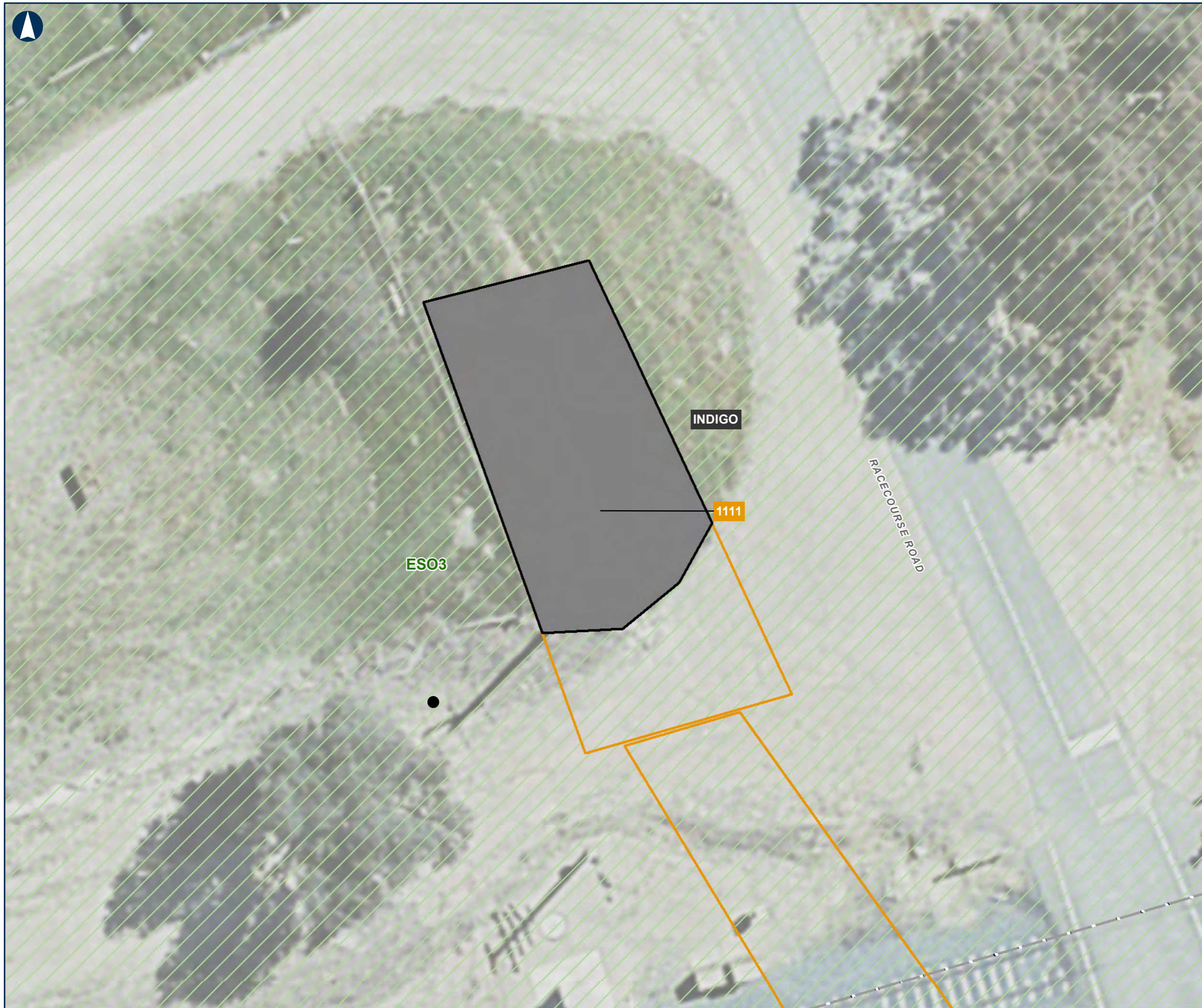
Date: 5/07/2021 Paper: A3  
 Author: JB Scale: 1:1,230  
 Data Sources: DELWP (2020) Figure 7



**Environmental Overlays**

MAP 49 OF 62

-  Overhead Powerline Sites
-  Non-native Vegetation Impacted
-  Native Trees Impacted
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  ESO3 - Environmental Significance



0 3 6 Meters

Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/07/2021  
 Author: JB  
 Data Sources: DELWP (2020)

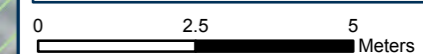
Paper: A3  
 Scale: 1:150  
 Figure 7



**Environmental Overlays**

MAP 50 OF 62

-  Overhead Powerline Sites
-  LGA Boundaries
- Planning Overlay**
-  ESO3 - Environmental Significance



Coordinate System: GDA 1994 MGA Zone 55





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Date: 5/07/2021      Paper: A3  
 Author: JB      Scale: 1:120  
 Data Sources: DELWP (2020)      Figure 7



**Environmental Overlays**

MAP 51 OF 62

-  Overhead Powerline Sites
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  ESO3 - Environmental Significance



0 10 20 Meters

Coordinate System: GDA 1994 MGA Zone 55





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Date: 5/07/2021 Paper: A3  
 Author: JB Scale: 1:530  
 Data Sources: DELWP (2020) Figure 7



**Environmental Overlays**

MAP 52 OF 62

-  Overhead Powerline Sites
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  ESO3 - Environmental Significance



0 3 6 Meters

Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/07/2021  
 Author: JB  
 Data Sources: DELWP (2020)

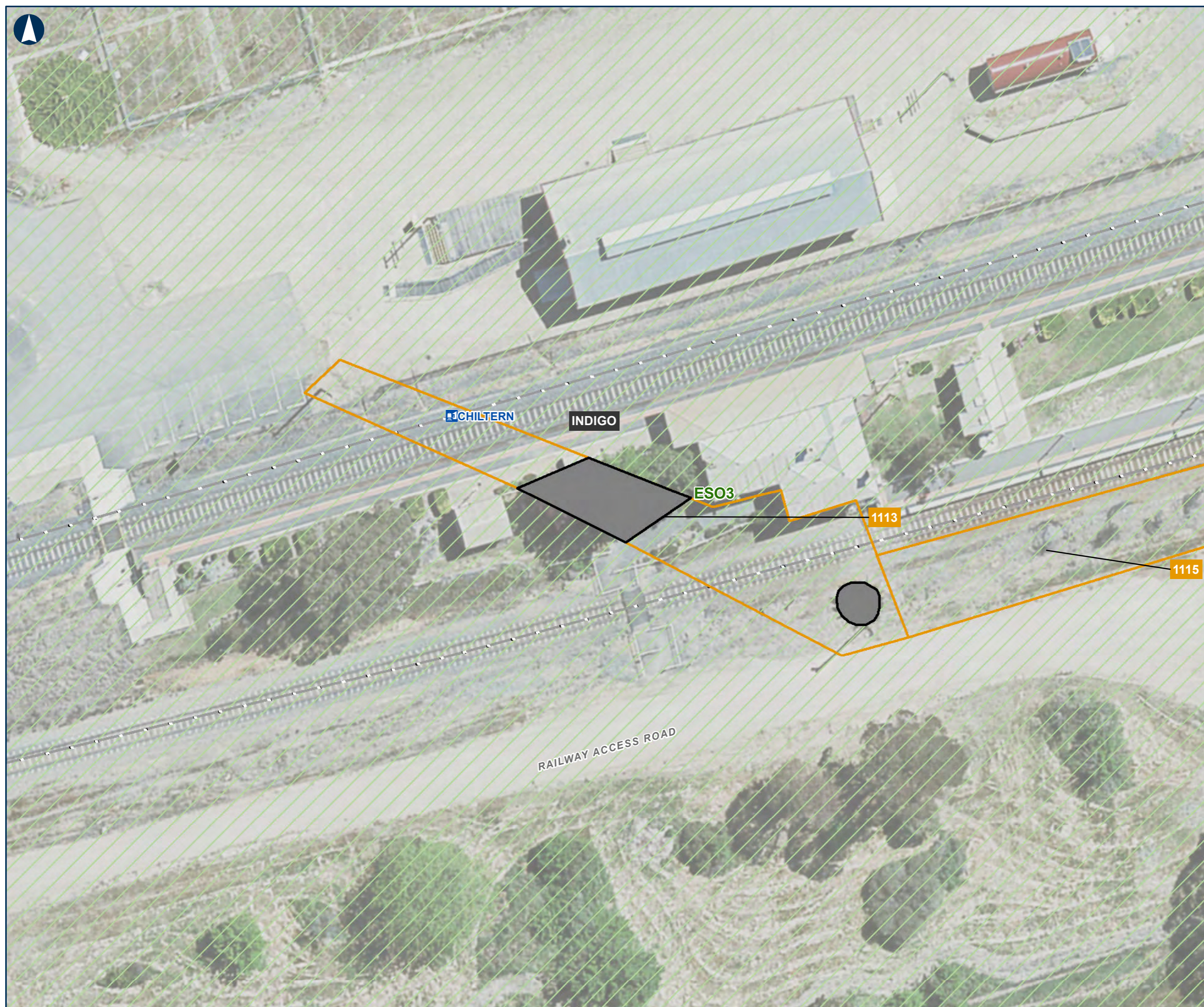
Paper: A3  
 Scale: 1:150  
 Figure 7



**Environmental Overlays**

MAP 53 OF 62

-  Overhead Powerline Sites
-  Non-native Vegetation Impacted
-  Train Station
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  ESO3 - Environmental Significance

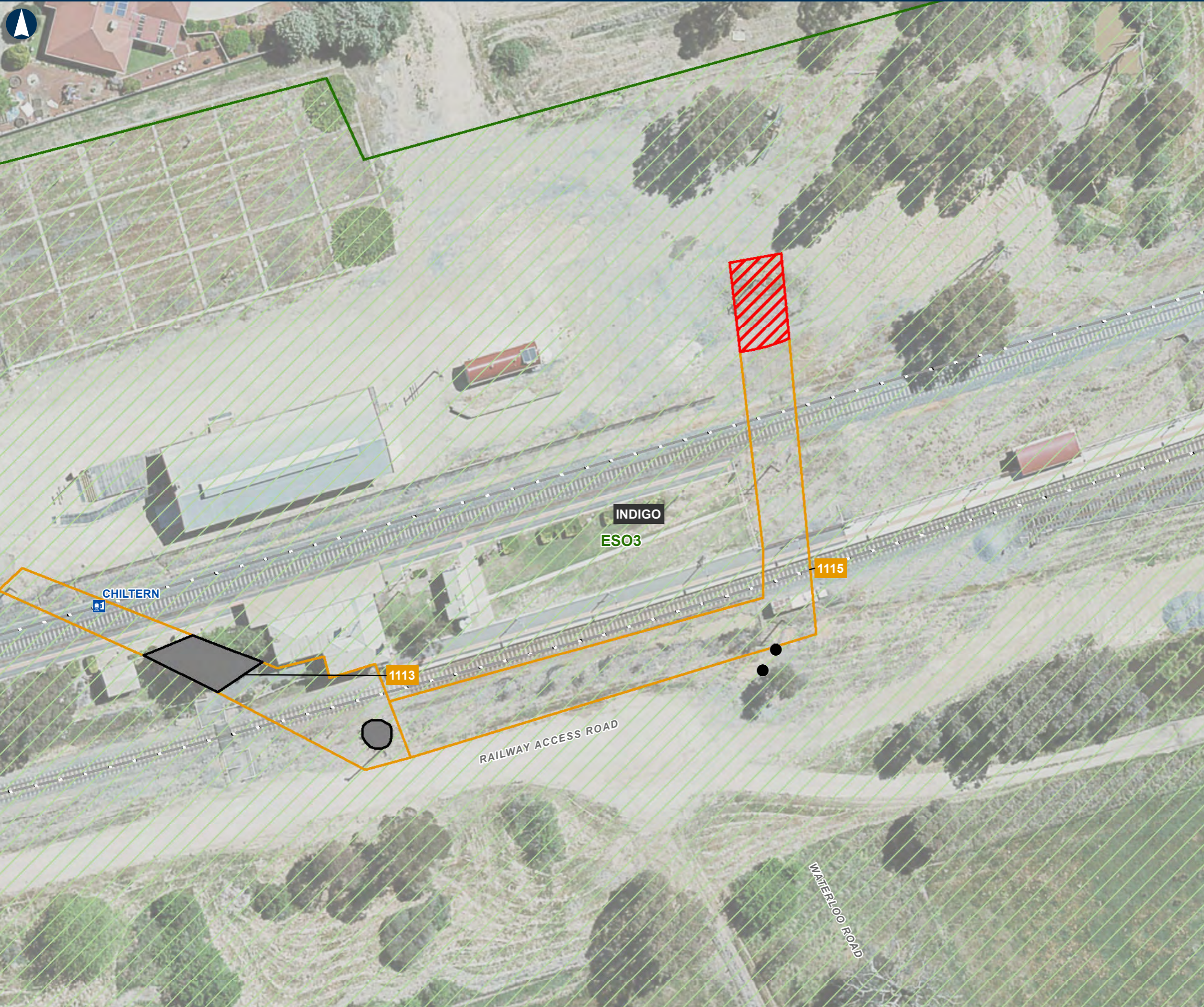


Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/07/2021  
 Author: JB  
 Data Sources: DELWP (2020)

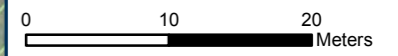
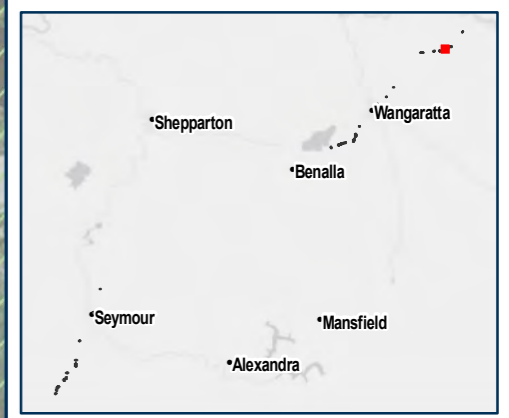
Paper: A3  
 Scale: 1:360  
 Figure 7



**Environmental Overlays**

MAP 54 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  Non-native Vegetation Impacted
-  Native Trees Impacted
-  Train Station
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  ESO3 - Environmental Significance



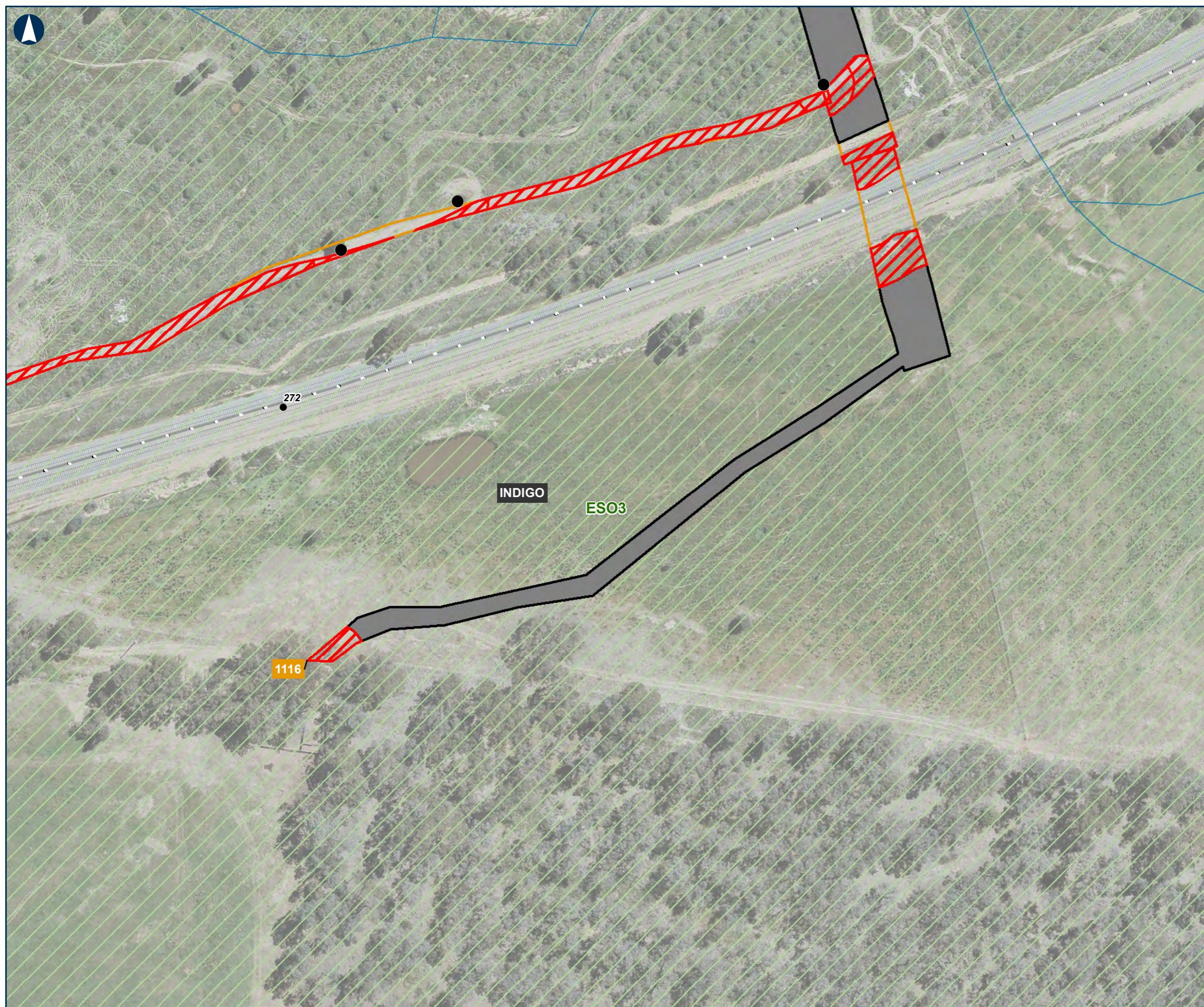
Coordinate System: GDA 1994 MGA Zone 55

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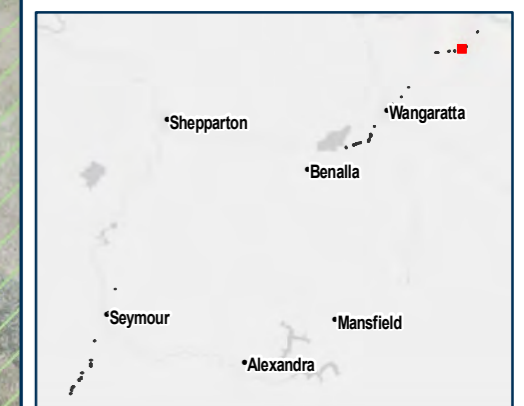


**Environmental Overlays**

MAP 55 OF 62



- Overhead Powerline Sites
- Native Vegetation Impacted
- Non-native Vegetation Impacted
- Native Trees Impacted
- KM Posts
- Railway
- LGA Boundaries
- Planning Overlay**
- ES03 - Environmental Significance



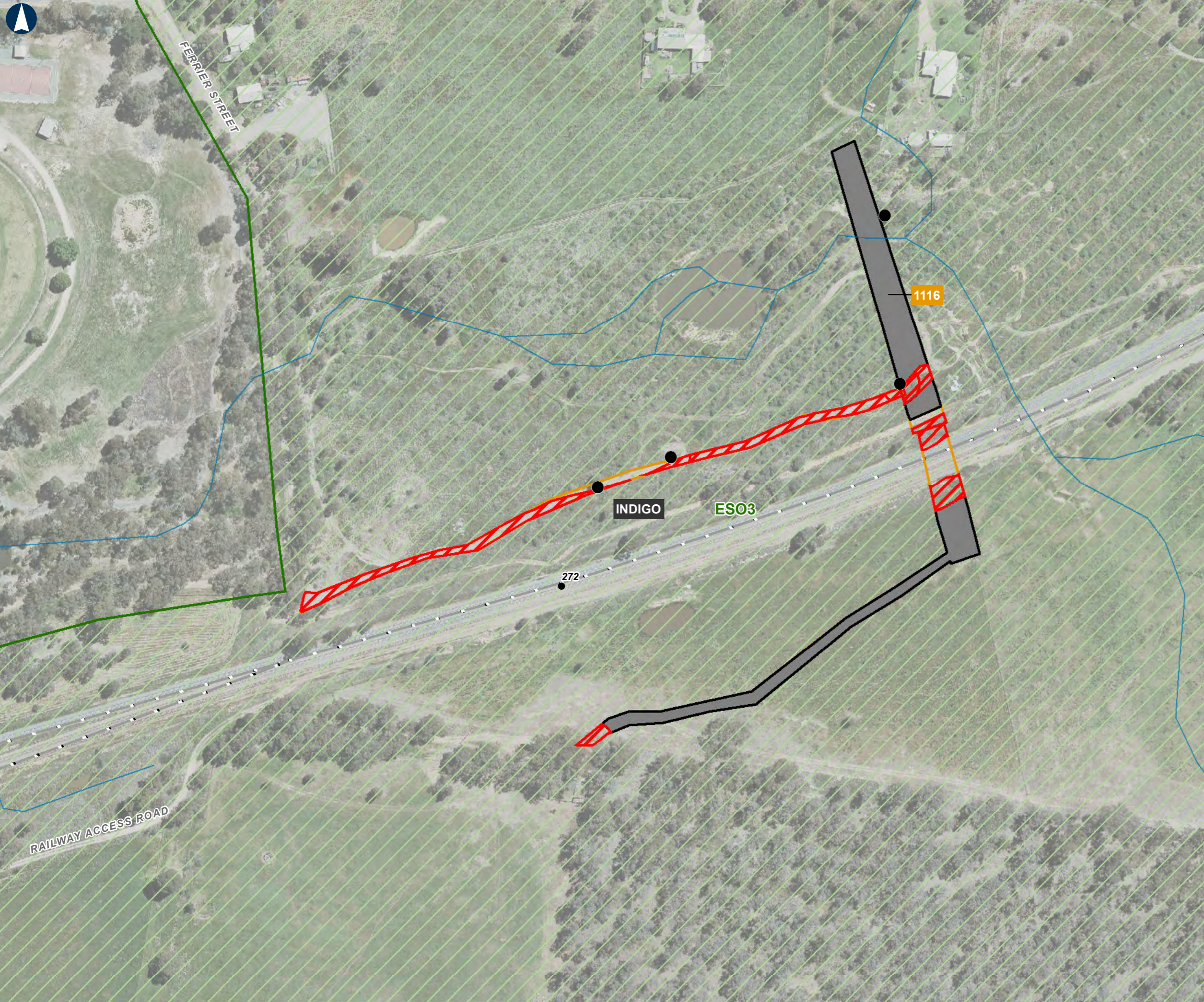
0 25 50 Meters

Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/07/2021      Paper: A3  
 Author: JB      Scale: 1:1,190  
 Data Sources: DELWP (2020)      Figure 7



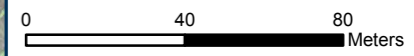


The Australian Government is delivering Inland Rail through the Australian Rail Track Corporation (ARTC) in partnership with the private sector.

**Environmental Overlays**

MAP 56 OF 62

- Overhead Powerline Sites
- Native Vegetation Impacted
- Non-native Vegetation Impacted
- Native Trees Impacted
- KM Posts
- Railway
- LGA Boundaries
- Planning Overlay**
- ESO3 - Environmental Significance










Coordinate System: GDA 1994 MGA Zone 55

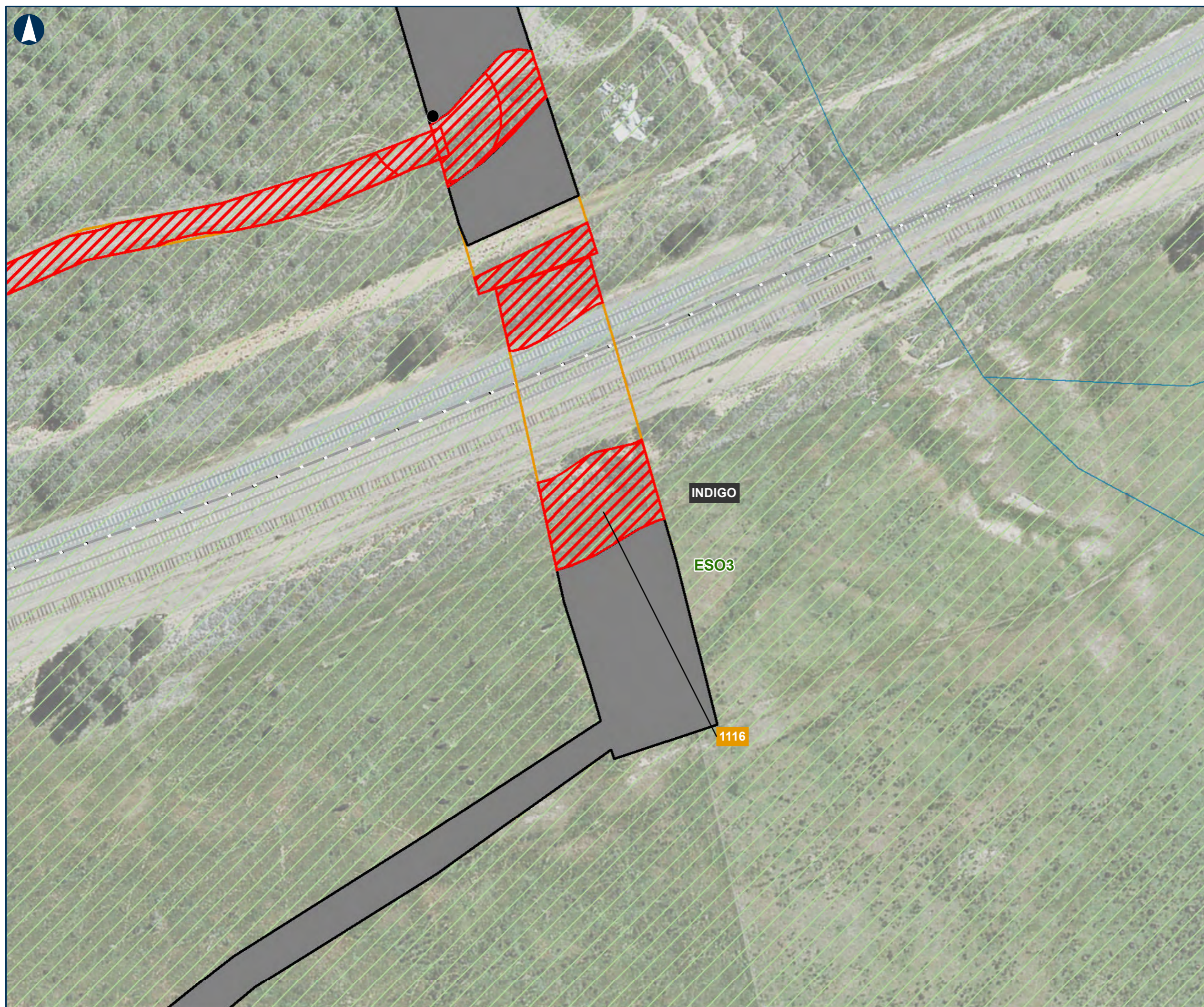
ARTC makes no representation or warranty and assumes no duty of care or other responsibility to any party as to the completeness, accuracy or suitability of the information contained in this GIS map. The GIS map has been prepared from material provided to ARTC by an external source and ARTC has not taken any steps to verify the completeness, accuracy or suitability of that material. ARTC will not be responsible for any loss or damage suffered as a result of any person whatsoever placing reliance upon the information contained within this GIS map.



**Environmental Overlays**

MAP 57 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  Non-native Vegetation Impacted
-  Native Trees Impacted
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  ESO3 - Environmental Significance



0 10 20 Meters

Coordinate System: GDA 1994 MGA Zone 55








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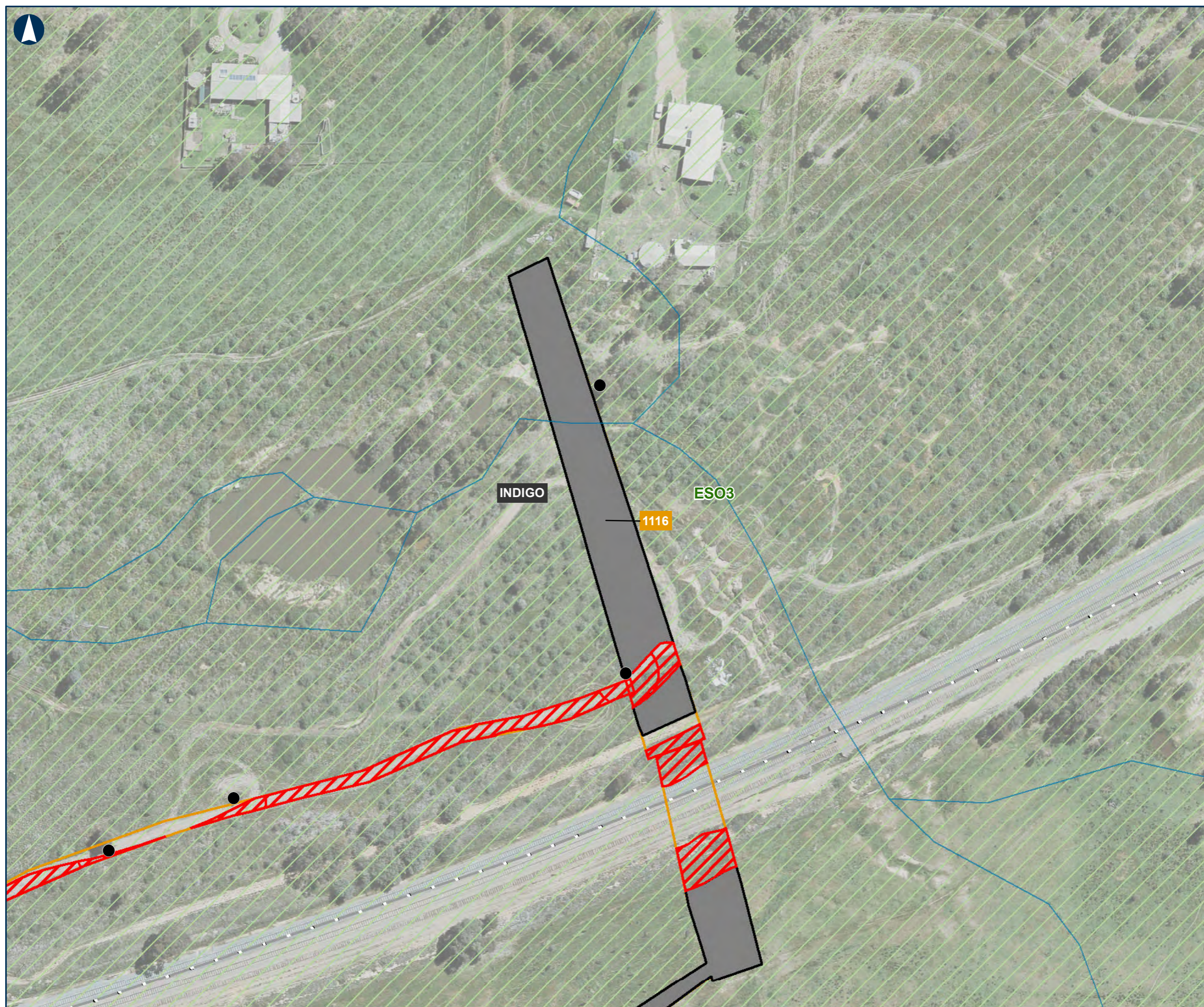
Date: 5/07/2021      Paper: A3  
 Author: JB      Scale: 1:530  
 Data Sources: DELWP (2020)      Figure 7



**Environmental Overlays**

MAP 58 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  Non-native Vegetation Impacted
-  Native Trees Impacted
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  ESO3 - Environmental Significance



0 25 50 Meters

Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/07/2021 Paper: A3  
 Author: JB Scale: 1:1,110  
 Data Sources: DELWP (2020) Figure 7



**Environmental Overlays**

MAP 59 OF 62

- Overhead Powerline Sites
- Native Vegetation Impacted
- Railway
- LGA Boundaries
- Planning Overlay**
- ESO3 - Environmental Significance



0 25 50 Meters

Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/07/2021  
 Author: JB  
 Data Sources: DELWP (2020)

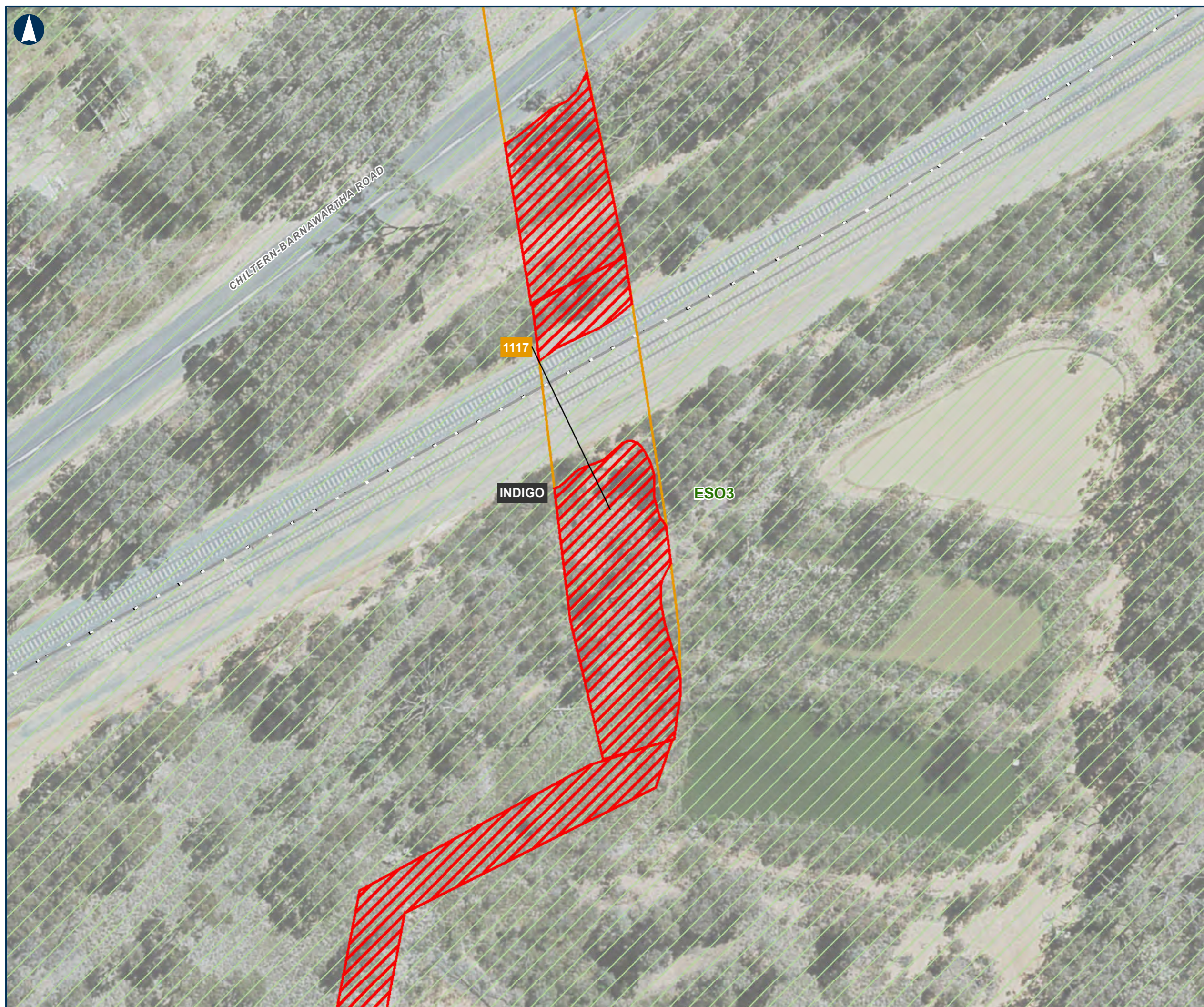
Paper: A3  
 Scale: 1:1,150  
 Figure 7



**Environmental Overlays**

MAP 60 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  ESO3 - Environmental Significance



0 10 20 Meters

Coordinate System: GDA 1994 MGA Zone 55







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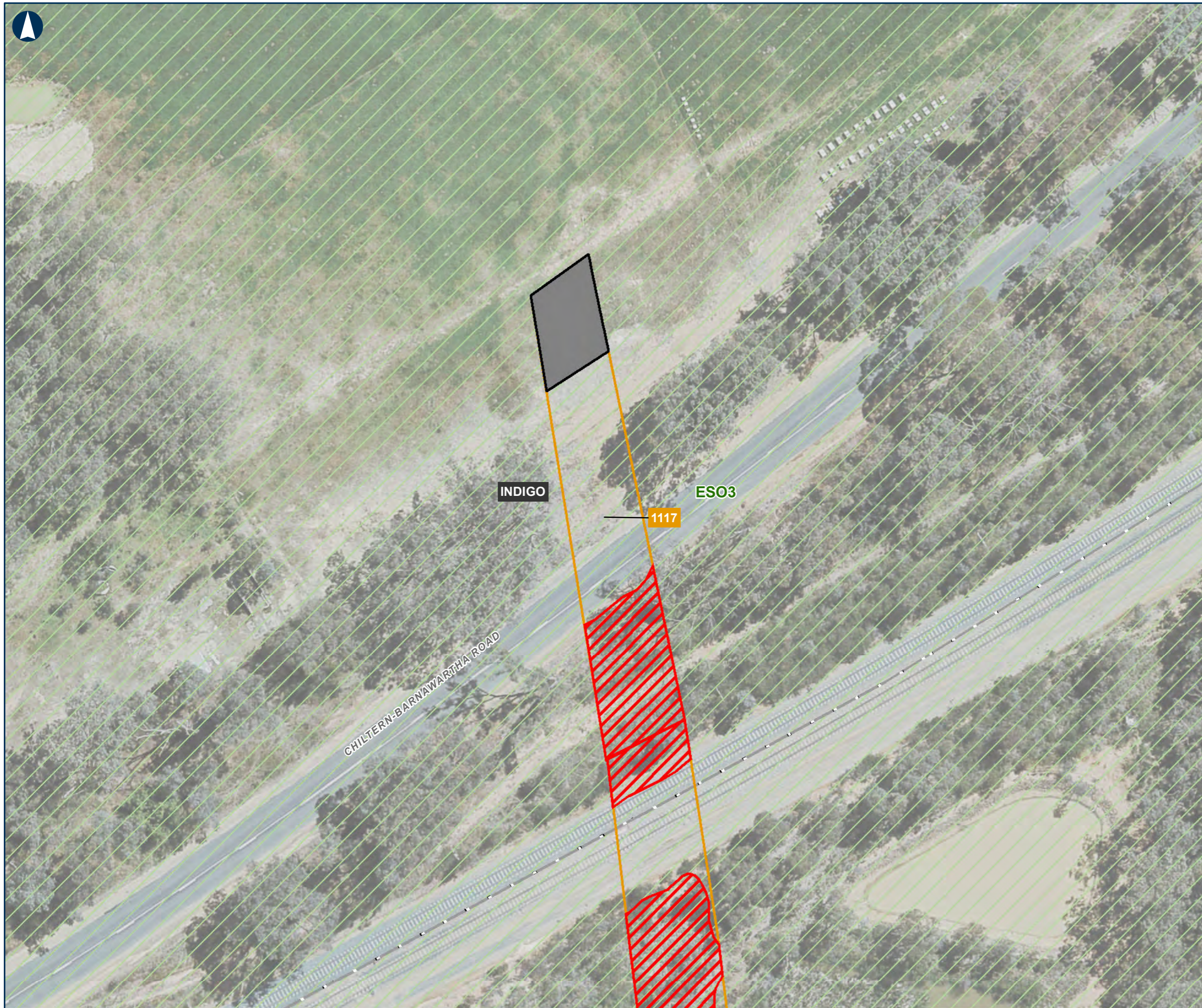
Date: 5/07/2021 Paper: A3  
 Author: JB Scale: 1:490  
 Data Sources: DELWP (2020) Figure 7



**Environmental Overlays**

MAP 61 OF 62

-  Overhead Powerline Sites
-  Native Vegetation Impacted
-  Non-native Vegetation Impacted
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  ESO3 - Environmental Significance



Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/07/2021  
 Author: JB  
 Data Sources: DELWP (2020)

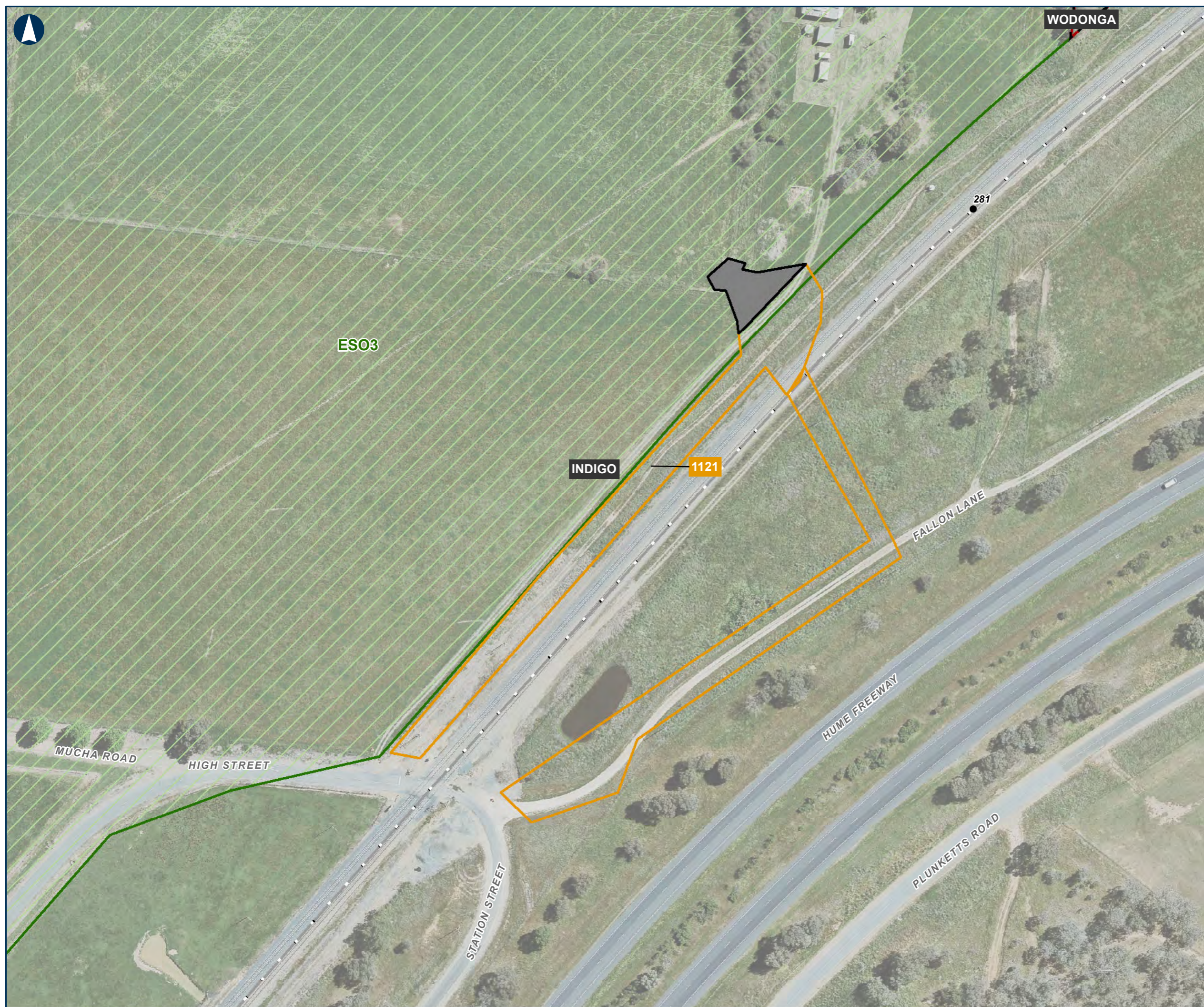
Paper: A3  
 Scale: 1:590  
 Figure 7



**Environmental Overlays**

MAP 62 OF 62

-  Overhead Powerline Sites
-  Non-native Vegetation Impacted
-  KM Posts
-  Railway
-  LGA Boundaries
- Planning Overlay**
-  ESO3 - Environmental Significance



0 30 60 Meters

Coordinate System: GDA 1994 MGA Zone 55

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Date: 5/07/2021 Paper: A3  
 Author: JB Scale: 1:1,450  
 Data Sources: DELWP (2020) Figure 7

# Appendix B

## Overhead Powerline Sites



## Appendix B – Overhead Powerline Sites

**Table 61** Overhead Powerline Sites

Current ARTC Powerline Sites	Previous Powerline Site Numbering
<b>Mitchell</b>	
1001	127
1002	29
1003	30
1004	128
1006	31
1007	32
1008	33
1009	34
1010	35
1011	36
1012	37
1013	38
1014	129
1015	39
1016	130
1017	131
1018	42
1019	43
1020	44
1021	45
1022	46
1023	47
1024	48
1025	132
1026	132
1027	NA
1029	49

Current ARTC Powerline Sites	Previous Powerline Site Numbering
1030	49
1031	49
1033	139
1034	50
1035	140
N10	40
N9	41
<b>Strathbogie</b>	
1036	51
1037	52
1038	53
1039	54
1040	55
1041	56
1042	57
1043	58
1045	59
1046	59
1047	60
1048	61
1049	62
1050	62
1051	63
1052	64
1053	65
1054	65
1055	65
1056	66
1057	67
1058	68
1203	133

Current ARTC Powerline Sites	Previous Powerline Site Numbering
<b>Benalla</b>	
1059	69
1060	70
1061	71
1062	72
1063	73
1064	73
1065	74
1067	76
1068	77
1069	78
1070	79
1071	80
1072	81
1075	82
1076	83
1077	83
1204	75
<b>Wangaratta</b>	
N2	96
1078	84
1080	84
1081	86
1082	86
1083	87
1084	87
1085	88
1086	89
1087	90
1088	91
1089	92

Current ARTC Powerline Sites	Previous Powerline Site Numbering
1090	93
1091	94
1092	95
1093	134
1094	135
1095	135
1097	98
1098	136
1099	137
1100	99
1101	100
1102	101
1103	102
1104	138
1105	103
1106	105
1107	106
1108	107
1205	NA
1206	104
<b>Indigo</b>	
1109	108
1110	109
1111	110
1112	111
1113	112
1115	112
1116	112
1117	113
1118	114
1119	115

Current ARTC Powerline Sites	Previous Powerline Site Numbering
1120	118
1121	116
<b>Wodonga</b>	
1122	119
1123	120
1124	121
1125	122
1207	117



# Appendix C



Overhead powerline  
project area changes

## Appendix C – Project area changes

**Table 62 Overhead powerline project area changes**

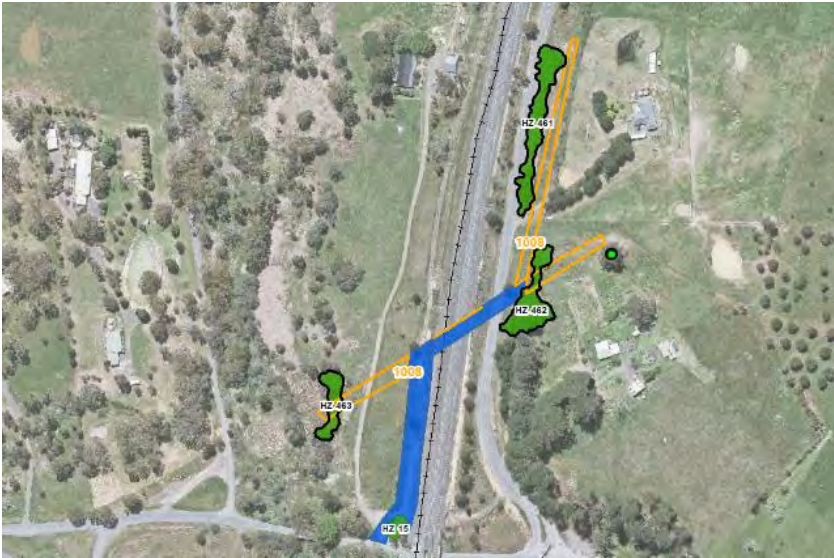
Some of the desktop mapped native vegetation occurs outside the project area boundary; patches of trees and scattered trees within 15 m of the project area are included as their TPZ may be impacted by works within the project area (to be confirmed by arborist).


Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
<b>Mitchell</b>					
1001	Yes	Yes	No	Additional area contains existing rail infrastructure, paved roads, and roadside verge with exotic pasture grasses. No further field assessment proposed.	
1002	Yes	Yes	No	Additional area contains some individual scattered native shrubs amongst blackberry and exotic grasses but not considered to be a patch of remnant native vegetation. No further field assessment proposed.	

Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1003	Yes	No	No	No additional project area, therefore, no further field assessment is proposed.	
1004	Yes	No	No	No additional project area, therefore, no further field assessment is proposed.	

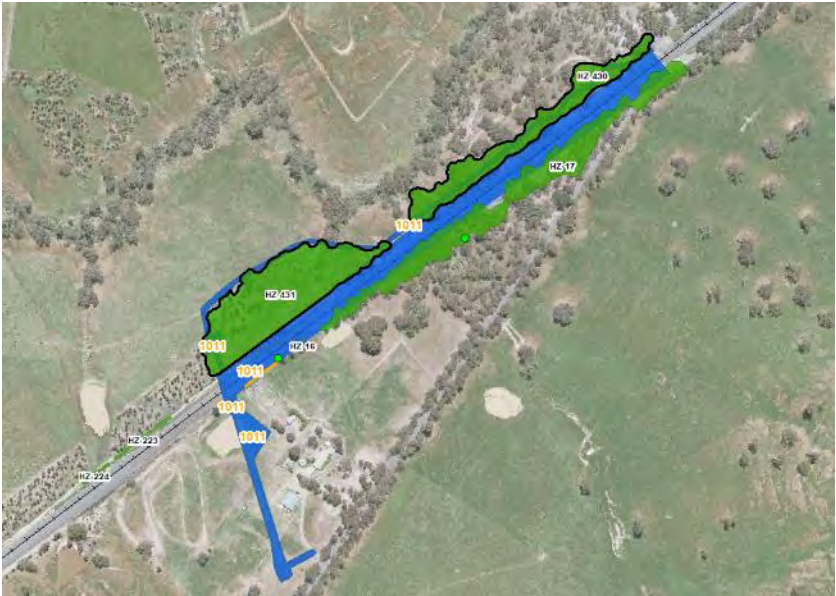



Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1006	Yes	Yes	Yes	No access available to the west of the rail corridor or within private property, therefore this vegetation was mapped via desktop. HZ 22 was able to be mapped via the public road reserve whilst in the field. Further field assessment is proposed for the western side of the rail corridor.	
1007	Yes	Yes	No	Additional area contains existing rail infrastructure and vegetation that was not identified in the original assessment as native. Further field assessment is therefore not proposed.	



Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1008	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Further field assessment is proposed.	



Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1009	No	No	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Further field assessment is proposed.	

Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1010	Yes	No	No	No additional project area, therefore, no further field assessment is proposed.	


Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1011	No	Yes	Yes	No access to the west side of rail during field assessment. Desktop mapped native vegetation was included in the existing conditions and impact assessment. Further field assessment is proposed.	

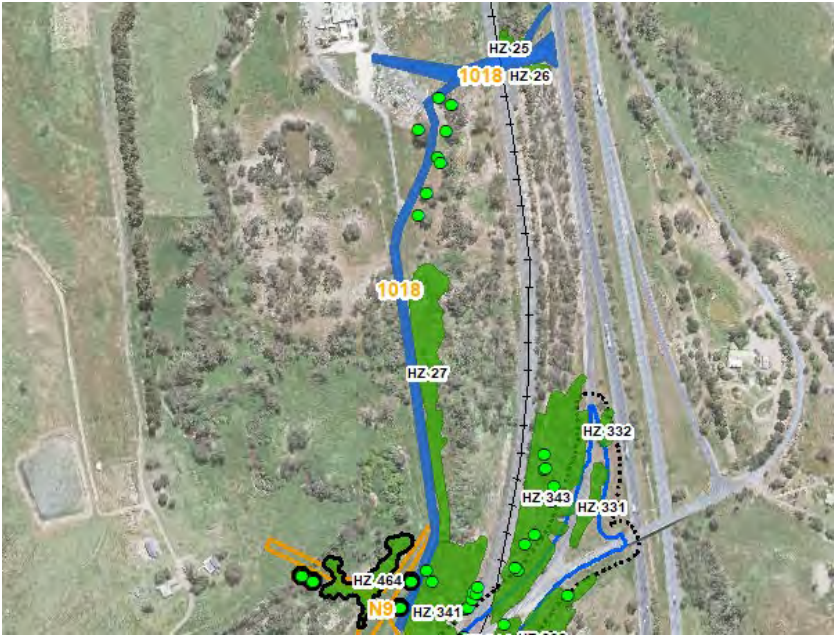

Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1012	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Further field assessment is proposed.	



Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1013	Yes	No	No	No additional project area, therefore, no further field assessment is proposed.	
1014	Yes	No	No	No additional project area, therefore, no further field assessment is proposed.	



Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1015	Yes	No	No	No additional project area, therefore, no further field assessment is proposed.	
1016	Yes	No	No	No additional project area, therefore, no further field assessment is proposed.	







Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1017	Yes	No	No	No additional project area, therefore, no further field assessment is proposed.	



Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1018	Yes	No	No	No additional project area, therefore, no further field assessment is proposed. The desktop identified vegetation is associated with site N9 and is addressed there.	 An aerial photograph showing a project area outlined in blue. The area includes a road and surrounding vegetation. Labels include HZ 25, HZ 26, HZ 27, HZ 331, HZ 332, HZ 343, HZ 464, HZ 341, and N9. A green area labeled 1018 is shown, indicating mapped native vegetation.
1019	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Further field assessment is proposed.	 An aerial photograph showing a project area outlined in blue. The area includes a road and surrounding vegetation. Labels include HZ 465, HZ 466, HZ 251, HZ 24, and 1019. A green area labeled 1019 is shown, indicating mapped native vegetation.

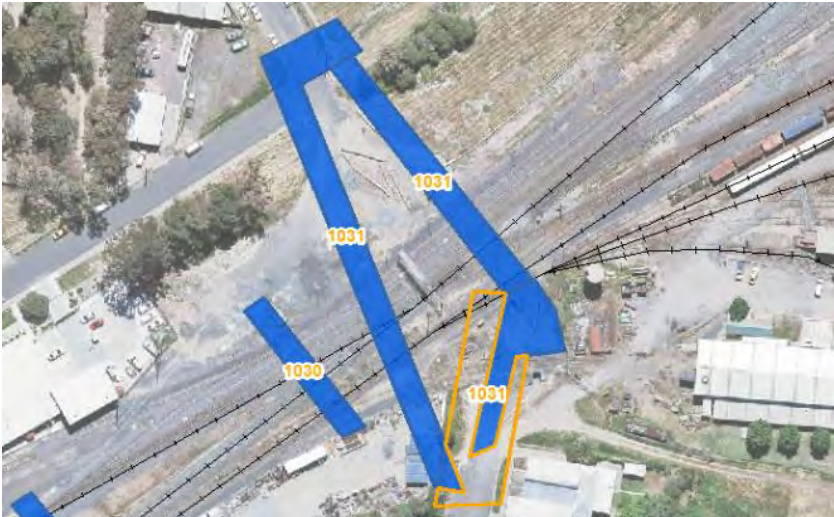

Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1020	Yes	No	No	No additional project area, therefore, no further field assessment is proposed.	
1021	Yes	No	Yes	No access was available to the private property adjacent to the project area. The trees mapped via desktop were contained within the private property behind a fence and were included because their TPZs may be impacted. Further field assessment is proposed.	

Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1022	Yes	Yes	Yes	Additional area contains potential treeless vegetation therefore further field assessment is proposed.	 An aerial photograph showing a project area. A blue-shaded area follows a path through a field. An orange-outlined area branches off to the right. Green dots and green-filled areas represent native vegetation. Labels include HZ.204, HZ.205, HZ.208, HZ.440, and HZ.206. The investigation area number 1022 is shown in yellow text.
1023	Yes	Yes	No	Additional area is existing rail infrastructure, paved roads and footpaths, and exotic vegetation. No further field assessment is proposed.	 An aerial photograph showing a project area. A blue-shaded area follows a path through an urban area. An orange-outlined area branches off to the right. Labels include 1023 and 1024. The investigation area number 1023 is shown in yellow text.


Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1024	Yes	Yes	No	Additional area is existing rail infrastructure, paved roads and footpaths, and exotic vegetation. No further field assessment is proposed.	
1025	Yes	No	No	No additional project area, therefore, no further field assessment is proposed.	

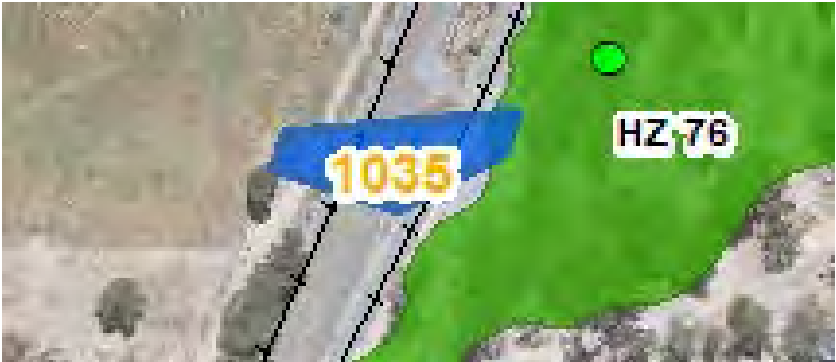

Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1026	Yes	No	No	No additional project area, therefore, no further field assessment is proposed.	
1027	Yes	No	No	No additional project area, therefore, no further field assessment is proposed.	


Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1029	Yes	No	No	No additional project area, therefore, no further field assessment is proposed.	
1030	Yes	No	No	No additional project area, therefore, no further field assessment is proposed.	



Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1031	Yes	Yes	No	Additional area is existing rail infrastructure, paved roads and footpaths, and exotic vegetation. No further field assessment is proposed.	
1033	Yes	No	No	No additional project area, therefore, no further field assessment is proposed.	




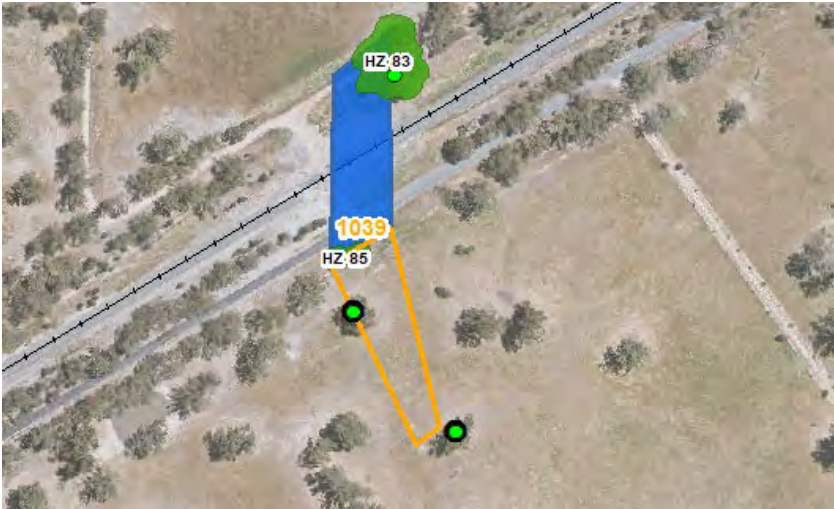
Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1034	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Further field assessment is proposed.	


Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1035	Yes	No	No	No additional project area, therefore, no further field assessment is proposed.	
N10	Yes	Yes	Yes	No access was available to the private property adjacent to the project area; however, this did not limit the ability to include this as a Large Tree in a Patch by estimating DBH. Further field assessment is proposed.	


Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
N9	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Further field assessment is proposed.	

Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
<b>Strathbogrie</b>					
1036	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Further field assessment is proposed.	
1037	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Further field assessment is proposed.	


Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1038	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Further field assessment is proposed.	


Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1039	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Further field assessment is proposed.	

Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1040	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Further field assessment is proposed.	


Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1041	Yes	Yes	Yes	Patch of native vegetation mapped during field assessment of original project area was extended to cover additional area. Additional area also contains potential treeless vegetation. Further field assessment is proposed.	






Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1042	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Further field assessment is proposed for the property on the south side of Avenel-Longwood Road as access was not available at time of the field assessment.	


Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1043	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Further field assessment is proposed south of Avenel-Longwood Road.	

Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1045	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Further field assessment is proposed.	
1046	Yes	No	No	No additional project area, therefore, no further field assessment is proposed.	

Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1047	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Further field assessment is proposed.	

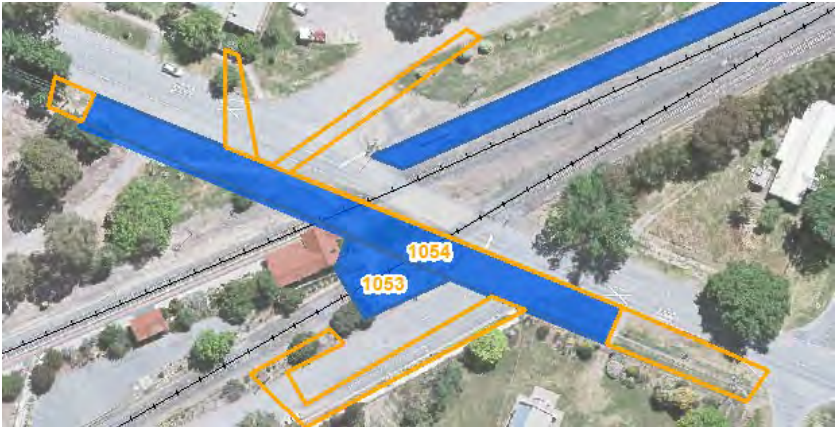

Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1048	Yes	No	No	No access to private property where the desktop scattered tree is located. The scattered tree is associated with the Euroa enhancement site investigation area. No further field assessment proposed.	



Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1049	Yes	No	No	No additional project area, therefore, no further field assessment is proposed.	
1050	Yes	No	No	No additional project area, therefore, no further field assessment is proposed.	

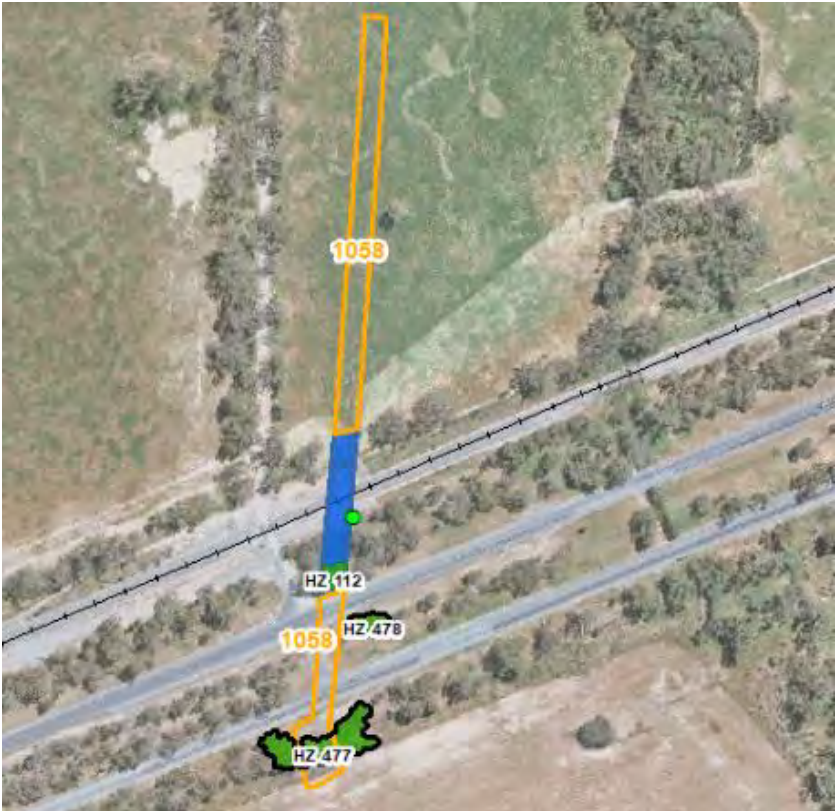
Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1051	Yes	Yes	Yes	Additional area appears to be road reserve (exotic grass) from aerial photos but further field assessment is proposed to confirm.	



Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1052	Yes	Yes	Yes	Additional area contains potential treeless vegetation. Further field assessment is proposed.	
1053	Yes	Yes	No	Additional area appears to be existing rail infrastructure, roads and footpaths, and exotic vegetation. No further field assessment proposed.	





Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1054	Yes	Yes	No	Additional area appears to be existing rail infrastructure, roads and footpaths, and exotic vegetation. No further field assessment proposed.	
1055	Yes	No	No	No additional project area, therefore, no further field assessment is proposed.	


Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1056	Yes	No	No	No additional project area, therefore, no further field assessment is proposed.	
1057	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Further field assessment is proposed.	


Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1058	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Further field assessment is proposed.	

Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1203	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Further field assessment is proposed.	
<b>Benalla</b>					
1059	Yes	No	No	No additional project area, therefore, no further field assessment is proposed.	


Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1060	Yes	Yes	Yes	Additional area contains potential treeless vegetation. Further field assessment is proposed.	 <p>The image snip shows an aerial view of a landscape with a railway line running diagonally from the bottom left to the top right. A blue-shaded area, labeled '1060', follows the railway line. An orange-outlined area, also labeled '1060', extends further north and east from the blue area. Several green-shaded areas are labeled 'HZ 114', 'HZ 115', 'HZ 116', and 'HZ 117'. A green dot is labeled 'HZ 216'. The surrounding area is a mix of green grass and brownish vegetation.</p>


Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1061	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. No access to private property immediately adjacent to the powerline easement, therefore HZ 49 was mapped using values observed within the easement and seen over a fence. The patch extent was extended from the investigation area to provide context. Large Trees in Patches were mapped based on observation over fence. Further field assessment is proposed.	


Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1062	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Further field assessment is proposed.	


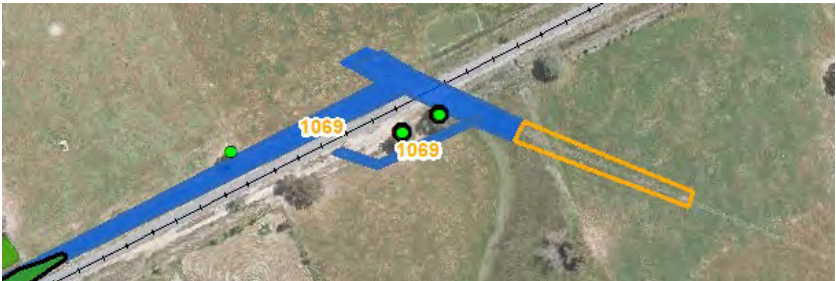
Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1063	Yes	Yes	No	Additional area is existing rail infrastructure, roads and footpaths, and exotic vegetation. No further field assessment is proposed.	







Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1064	Yes	Yes	No	Additional area is existing rail infrastructure, roads and footpaths, and exotic vegetation. No further field assessment proposed.	


Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1065	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Further field assessment is proposed.	 An aerial photograph showing a project area labeled '1065'. The area is outlined in orange. A portion of the area is filled with blue, and another portion is filled with green. There are several green dots scattered within the green-filled area. The area is situated near a road and some buildings.



Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1067	Yes	Yes	No	Additional area is existing rail infrastructure, roads, and exotic vegetation. No further field assessment proposed.	

Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1068	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Further field assessment is proposed.	
1069	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Further field assessment is proposed.	



Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1070	Yes	Yes	Yes	Additional area contains potential treeless vegetation. Further field assessment is proposed. Estimated DBH of two desktop mapped scattered trees as they were unable to be safely accessed in the field. Access to the private property will be proposed.	 An aerial photograph showing a proposed rail corridor. A blue-shaded area follows the corridor, with an orange-shaded area extending further. Green dots and outlines indicate mapped native vegetation and scattered trees. Labels include '1070' and various HZ codes (e.g., HZ 130, HZ 131, HZ 132, HZ 133, HZ 134, HZ 137, HZ 138, HZ 139, HZ 140).
1071	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Additional area also contains potential treeless vegetation. Further field assessment is proposed.	 An aerial photograph showing a proposed rail corridor. A blue-shaded area follows the corridor, with an orange-shaded area extending further. Green dots and outlines indicate mapped native vegetation and scattered trees. Labels include '1071' and various HZ codes (e.g., HZ 481, HZ 482, HZ 483, HZ 139, HZ 140).


Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1072	Yes	Yes	Yes	Additional area contains potential treeless vegetation. Further field assessment is proposed	
1075	Yes	Yes	No	Roadside contained exotic vegetation only. No further field assessment proposed.	


Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1076	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Limited access to private property. Further field assessment is proposed.	


Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1077	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Limited access to private property. Further field assessment is proposed.	
1204	Yes	No	No	No additional project area, therefore, no further field assessment is proposed.	





Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
Wangaratta					
N2	Yes	No	No	No additional project area, therefore, no further field assessment is proposed.	 <p>This aerial image shows the project area for investigation N2. A solid blue area represents the original project area, which follows a road corridor. An orange outline indicates an additional project area. Green fill areas represent mapped native vegetation, with several green dots indicating scattered trees. Labels include 'N2' in the center, 'HZ 333' on the left, and '1094' and 'HZ 326' on the right. A black dashed line outlines a larger area, likely mapped through desktop assessment.</p>
1078	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Further field assessment is proposed.	 <p>This aerial image shows the project area for investigation 1078. A solid blue area represents the original project area, which follows a road corridor. An orange outline indicates an additional project area. Green fill areas represent mapped native vegetation, with several green dots indicating scattered trees. Labels include '1078' in the center, '1079' on the left, and '1080', '1081', '1082', and '1083' on the right. A black dashed line outlines a larger area, likely mapped through desktop assessment.</p>

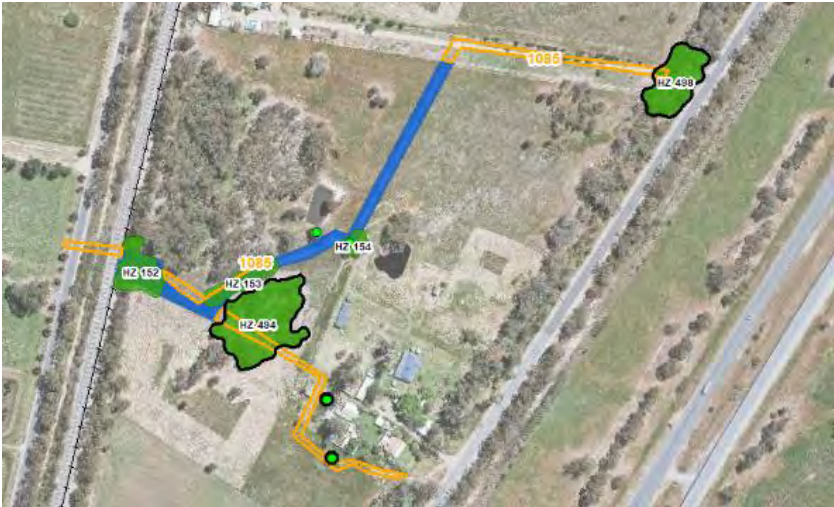
Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1080	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Further field assessment is proposed.	

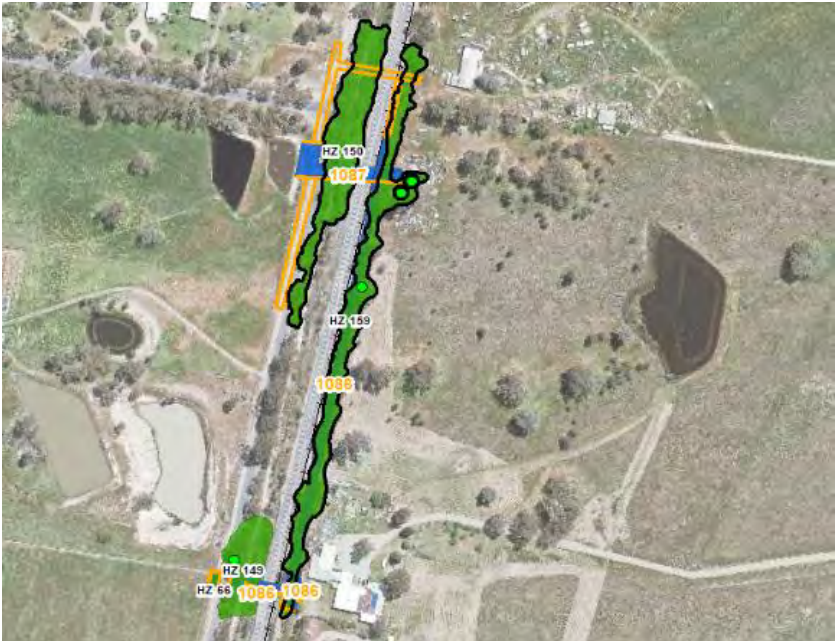
Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1081	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Additional area appears to follow access tracks but need to confirm during field assessment, particularly impacts to tree TPZs.	

Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1082	Yes	Yes	No	Additional area is planted orchard. No further field assessment proposed.	



Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1083	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Further field assessment is proposed.	 <p>The image snip shows an aerial view of a rural area with a road and a railway line. Several areas are highlighted: a blue-filled area labeled '1083' along the railway line, an orange-outlined area also labeled '1083' extending from it, and green-filled areas representing native vegetation. Three hazard zones are labeled: 'HZ 147' (a green dot), 'HZ 492' (a black dot), and 'HZ 491' (a black dot). The surrounding landscape includes fields, trees, and a residential area.</p>



Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1084	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Further field assessment is proposed.	


Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1085	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Further field assessment is proposed.	


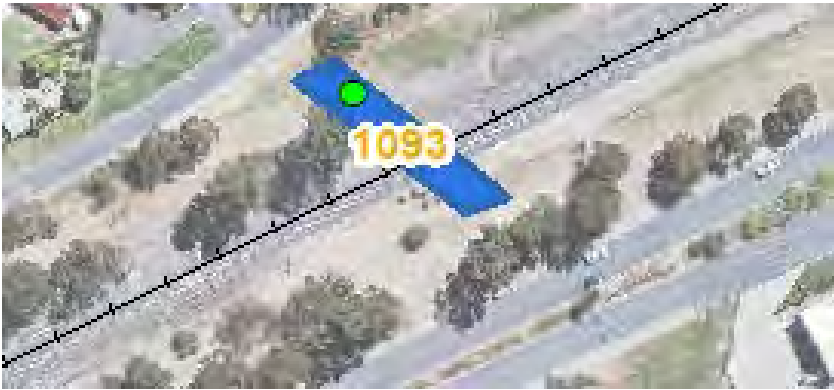
Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1086	Yes	Yes	No	Existing patch extended to cover additional project area. No further field assessment is proposed.	







Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1087	Yes	Yes	Yes	Existing patch mapped in the original project area extended to cover additional project area. Large Trees in Patches mapped on the eastern side of the rail corridor were observed over the fence as there was no access to private property. Further field assessment proposed.	
1088	Yes	Yes	Yes	No access to private property on either side of the rail corridor. Values were identified from the rail corridor and Warby Range Road. Further field assessment is proposed.	



Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1089	Yes	Yes	Yes	Additional area contains potential treeless vegetation. Further field assessment is proposed.	
1090	Yes	Yes	No	Additional areas contain disturbed roadside and exotic vegetation. No further field assessment is proposed.	



Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1091	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Further field assessment is proposed.	

Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1092	Yes	Yes	No	Additional areas contain disturbed road area and exotic vegetation. No further field assessment is proposed.	
1093	Yes	No	No	No additional project area, therefore, no further field assessment is proposed.	

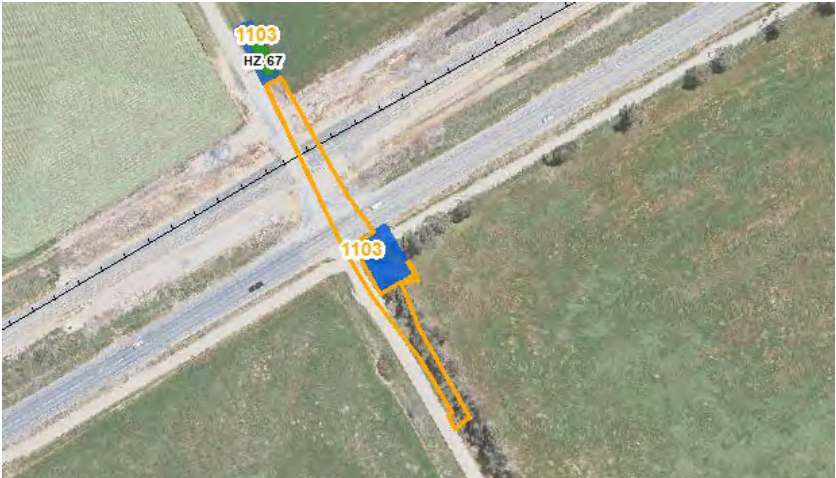

Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1094	Yes	No	No	No additional project area, therefore, no further field assessment is proposed.	
1095	Yes	No	No	No additional project area, therefore, no further field assessment is proposed.	



Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1097	Yes	No	No	No additional project area, therefore, no further field assessment is proposed.	
1098	Yes	No	No	No additional project area, therefore, no further field assessment is proposed.	



Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1099	Yes	Yes	No	Additional area contains existing rail infrastructure, road and footpaths, and exotic vegetation. No further field assessment is proposed.	
1100	Yes	Yes	Yes	Additional area contains potential treeless native vegetation. Further field assessment is proposed.	


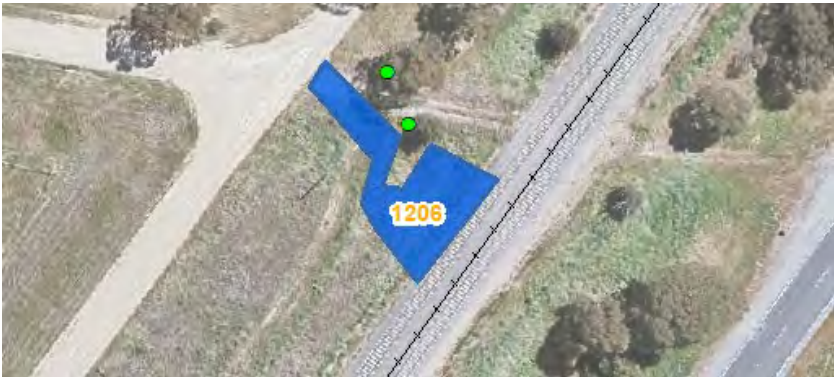
Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1101	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Further field assessment is proposed.	
1102	Yes	Yes	Yes	Additional area contains potential treeless vegetation. Further field assessment is proposed.	






Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1103	Yes	Yes	No	Trees in the southern part of the additional area were planted native and non-native vegetation. The remainder of the additional area contains existing freeway, roads, and rail infrastructure. Further field assessment is not proposed.	
1104	Yes	Yes	No	Additional area contains existing rail infrastructure and roads. No further field assessment is proposed.	



Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1105	Yes	Yes	Yes	Additional area contains potential treeless vegetation. Further field assessment is proposed.	
1106	Yes	Yes	Yes	Additional area contains potential treeless vegetation. Further field assessment is proposed.	


Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1107	Yes	Yes	Yes	Additional area contains potential treeless vegetation. Further field assessment is proposed.	
1108	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Additional area also contains potential treeless native vegetation. Further field assessment is proposed.	

Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1205	No, new project area added in May 2021.	N/A	Yes	The new project area appears to contain existing rail and road infrastructure. However, as the site is new, a field assessment is proposed to confirm on-site values.	
1206	Yes	No	No	No additional project area, therefore, no further field assessment is proposed.	


Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
<b>Indigo</b>					
1109	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Additional area also contains potential treeless native vegetation. Further field assessment is proposed.	
1110	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Further field assessment is proposed.	


Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1111	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Further field assessment is proposed.	


Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1112	Yes	No	No	No additional project area, therefore, no further field assessment is proposed.	
1113	Yes	Yes	No	Additional area contains existing rail infrastructure and exotic vegetation. No further field assessment is proposed.	



Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1115	Yes	No	No	No additional project area, therefore, no further field assessment is proposed.	





Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1116	No	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Further field assessment is proposed.	


Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1117	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Further field assessment is proposed.	


Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1118	Yes	Yes	Yes	Desktop mapped native vegetation was included in the existing conditions and impact assessment. Additional area also contains potential treeless vegetation. Further field assessment is proposed.	

Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1119	Yes	Yes	No	Additional areas are existing rail infrastructure, roads and footpaths, and exotic vegetation. No further field assessment is proposed.	
1120	Yes	Yes	No	Additional areas are existing rail infrastructure, roads and footpaths, and exotic vegetation. No further field assessment is proposed.	



Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1121	Yes	Yes	Yes	Additional area contains potential treeless vegetation. Further field assessment is proposed.	

Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
Wodonga					
1122	Yes	No	No	No additional project area, therefore, no further field assessment is proposed.	

Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1123	Yes	Yes	Yes	Additional area contains potential treeless vegetation therefore further field assessment is proposed.	

Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1124	Yes	Yes	Yes	Additional area contains potential treeless vegetation therefore further field assessment is proposed.	



Investigation Area ID	Field assessment conducted?	Change to project area?	Field assessment proposed?	Desktop assessment notes	Image snip for illustration Key: <ul style="list-style-type: none"> <li>• Blue fill – original project area (field assessment unless otherwise stated)</li> <li>• Orange outline – additional project area (desktop assessment)</li> <li>• Green fill – mapped native vegetation</li> <li>• Green dot – mapped scattered tree</li> <li>• Black outline/dot – value mapped through desktop not field assessment</li> </ul>
1125	Yes	No	No	No additional project area, therefore, no further field assessment is proposed.	
1207	Yes	No	No	No additional project area, therefore, no further field assessment is proposed.	

# Appendix D

Biodiversity values by  
LGA

## Appendix D – Biodiversity values by LGA

## Mitchell Shire

Table 63 Investigation areas – Mitchell Shire LGA

Site ID	Chainage	Existing Conditions*				Impacts			
		EPBC Act (MNES) (ha)	Native Vegetation (ha)	FFG Act (ha)	Other values (ha)	EPBC Act (MNES) (ha)	Native Vegetation (ha)	FFG Act (ha)	Other values (ha)
1001	47.26	<ul style="list-style-type: none"> <li>Potential Growling Grass Frog habitat</li> </ul>	<ul style="list-style-type: none"> <li>0.011 Tall Marsh (821)</li> </ul>	None identified	None identified	None identified	<ul style="list-style-type: none"> <li>0.003 Tall Marsh (821)</li> </ul>	<ul style="list-style-type: none"> <li>Minor potential impacts to Growling Grass frog. Unlikely to represent a significant impact on the species.</li> </ul>	None identified
1002	48.4	<ul style="list-style-type: none"> <li>Potential Growling Grass Frog habitat</li> </ul>	<ul style="list-style-type: none"> <li>0.035 Riparian Forest (18)</li> <li>0.022 Swampy Riparian Woodland (83)</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.022 Endangered EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.027 Riparian Forest (18)</li> <li>0.017 Swampy Riparian Woodland (83)</li> </ul>	<ul style="list-style-type: none"> <li>Minor potential impacts to Growling Grass frog. Unlikely to represent a significant impact on the species.</li> </ul>	<ul style="list-style-type: none"> <li>0.017 Endangered EVC</li> </ul>
1003	50.65	<ul style="list-style-type: none"> <li>Potential Growling Grass Frog habitat</li> </ul>	<ul style="list-style-type: none"> <li>0.039 Valley Grassy Forest (47)</li> </ul>	<ul style="list-style-type: none"> <li>Purple Coral-pea</li> <li>Cotton Fireweed</li> <li>Shiny Everlasting</li> </ul>	None identified	None identified	<ul style="list-style-type: none"> <li>0.034 Valley Grassy Forest (47)</li> </ul>	<ul style="list-style-type: none"> <li>Potentially 3 Protected flora species</li> </ul>	None identified
1004	53.36	None identified	<ul style="list-style-type: none"> <li>0.065 Valley Grassy Forest (47)</li> <li>0.230 Valley Heathy Forest (127)</li> <li>2 large Scattered Trees</li> <li>1 small Scattered Tree</li> </ul>	<ul style="list-style-type: none"> <li>Golden Wattle</li> <li>Everlasting</li> <li>Correa</li> <li>Purple Coral-pea</li> <li>Scaly Buttons</li> <li>Leek Orchid</li> <li>Cotton Fireweed</li> <li>Sun Orchid</li> <li>Twining Fringe-lily</li> </ul>	None identified	None identified	<ul style="list-style-type: none"> <li>0.025 Valley Grassy Forest (47)</li> <li>0.060 Valley Heathy Forest (127)</li> </ul>	<ul style="list-style-type: none"> <li>Potentially 9 Protected flora species</li> </ul>	None identified
1006	54.27	None identified	<ul style="list-style-type: none"> <li>0.788 Valley Heathy Forest (127)</li> <li>2 small Scattered Trees</li> </ul>	<ul style="list-style-type: none"> <li>Blue Pincushion</li> <li>Button Everlasting</li> <li>Purple Coral-pea</li> <li>Sun Orchid</li> <li>Twining Fringe-lily</li> </ul>	None identified	None identified	<ul style="list-style-type: none"> <li>0.053 Valley Heathy Forest (127)</li> <li>2 small Scattered Trees</li> </ul>	<ul style="list-style-type: none"> <li>Potentially 5 Protected flora species</li> </ul>	None identified
1007	55.11	None identified	<ul style="list-style-type: none"> <li>2 small Scattered Trees</li> </ul>	None identified	None identified	None identified	<ul style="list-style-type: none"> <li>One small Scattered Tree</li> </ul>	None identified	None identified
1008	64.22	None identified	<ul style="list-style-type: none"> <li>0.238 Herb-rich Foothill Forest (23)</li> <li>0.074 Riparian Forest (18)</li> <li>1 large Scattered Tree</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.293 High Quality EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.010 Herb-rich Foothill Forest (23)</li> <li>0.020 Riparian Forest (18)</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.019 High Quality EVC</li> </ul>

Site ID	Chainage	Existing Conditions*				Impacts			
		EPBC Act (MNES) (ha)	Native Vegetation (ha)	FFG Act (ha)	Other values (ha)	EPBC Act (MNES) (ha)	Native Vegetation (ha)	FFG Act (ha)	Other values (ha)
1009	65.31	None identified	<ul style="list-style-type: none"> <li>1.076 Valley Grassy Forest (47)</li> <li>3 large Scattered Trees</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.816 High Quality EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.079 Valley Grassy Forest (47)</li> <li>1 large Scattered Tree</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.064 High Quality EVC</li> </ul>
1010	67.04	None identified	<ul style="list-style-type: none"> <li>0.068 Plains Grassy Woodland (55)</li> <li>0.115 Riparian Forest (18)</li> <li>1.155 Valley Grassy Forest (47)</li> <li>1 large Scattered Tree</li> <li>4 small Scattered Trees</li> <li>13 large trees in patches</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.068 Endangered EVC</li> <li>0.115 High Quality EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.017 Plains Grassy Woodland (55)</li> <li>0.021 Riparian Forest (18)</li> <li>0.398 Valley Grassy Forest (47)</li> <li>3 small Scattered Trees</li> <li>5 large trees in patches</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.017 Endangered EVC</li> <li>0.021 High Quality EVC</li> </ul>
1011	70.26	None identified	<ul style="list-style-type: none"> <li>0.001 Plains Grassy Woodland (55)</li> <li>2.404 Valley Grassy Forest (47)</li> <li>1 small Scattered Tree</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.001 Endangered EVC</li> <li>2.404 High Quality EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.231 Valley Grassy Forest (47)</li> <li>1 small Scattered Tree</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.231 High Quality EVC</li> </ul>
1012	71.6	None identified	<ul style="list-style-type: none"> <li>0.072 Grassy Woodland (175_61)</li> <li>1.945 Valley Grassy Forest (47)</li> <li>1 large Scattered Trees</li> <li>Two large Scattered Trees</li> </ul>	<ul style="list-style-type: none"> <li>Late-flower Flax-lily</li> </ul>	<ul style="list-style-type: none"> <li>0.072 Endangered EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.021 Grassy Woodland (175_61)</li> <li>0.518 Valley Grassy Forest (47)</li> </ul>	<ul style="list-style-type: none"> <li>Two Late-flower Flax-lily individuals</li> </ul>	<ul style="list-style-type: none"> <li>0.021 Endangered EVC</li> </ul>
1013	73.43	<ul style="list-style-type: none"> <li>Potential Golden Sun Moth habitat</li> </ul>	<ul style="list-style-type: none"> <li>3.474 Grassy Woodland (175_61)</li> <li>0.428 Plains Grassy Woodland (55)</li> <li>3 large trees in patches</li> </ul>	<ul style="list-style-type: none"> <li>3.902 VTWBC</li> <li>Golden Wattle</li> </ul>	<ul style="list-style-type: none"> <li>3.902 Endangered EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.162 Grassy Woodland (175_61)</li> <li>0.016 Plains Grassy Woodland (55)</li> </ul>	<ul style="list-style-type: none"> <li>0.179 VTWBC</li> <li>Potentially 1 Protected flora species</li> </ul>	<ul style="list-style-type: none"> <li>0.179 Endangered EVC</li> </ul>
1014	75.31	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
1015	75.67	None identified	<ul style="list-style-type: none"> <li>0.326 Grassy Woodland (175_61)</li> <li>0.251 Plains Grassy Woodland (55)</li> <li>1 small Scattered Tree</li> </ul>	<ul style="list-style-type: none"> <li>Fuzzy New Holland Daisy</li> </ul>	<ul style="list-style-type: none"> <li>0.577 Endangered EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.022 Grassy Woodland (175_61)</li> <li>1 small Scattered Tree</li> </ul>	<ul style="list-style-type: none"> <li>Potentially 1 Protected flora species</li> </ul>	<ul style="list-style-type: none"> <li>0.022 Endangered EVC</li> </ul>

Site ID	Chainage	Existing Conditions*				Impacts			
		EPBC Act (MNES) (ha)	Native Vegetation (ha)	FFG Act (ha)	Other values (ha)	EPBC Act (MNES) (ha)	Native Vegetation (ha)	FFG Act (ha)	Other values (ha)
1016	76.87	None identified	<ul style="list-style-type: none"> <li>0.008 Plains Grassy Woodland (55)</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.008 Endangered EVC</li> </ul>	None identified	None identified	None identified	None identified
1017	76.9	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
1018	78.62	<ul style="list-style-type: none"> <li>0.113 GBGW</li> </ul>	<ul style="list-style-type: none"> <li>1.928 Plains Grassy Woodland (55)</li> <li>1.376 Red Gum Swamp (292)</li> <li>9 large Scattered Trees</li> <li>2 large trees in patches</li> </ul>	<ul style="list-style-type: none"> <li>1.928 VTWBC</li> </ul>	<ul style="list-style-type: none"> <li>3.304 Endangered EVC</li> </ul>	<ul style="list-style-type: none"> <li>0.002 GBGW</li> </ul>	<ul style="list-style-type: none"> <li>0.007 Plains Grassy Woodland (55)</li> <li>3 large Scattered Trees</li> </ul>	<ul style="list-style-type: none"> <li>0.007 VTWBC</li> </ul>	<ul style="list-style-type: none"> <li>0.007 Endangered EVC</li> </ul>
1019	80.01	None identified	<ul style="list-style-type: none"> <li>0.698 Grassy Woodland (175_61)</li> <li>0.262 Plains Grassy Woodland (55)</li> <li>1 large tree in patch</li> </ul>	<ul style="list-style-type: none"> <li>0.394 VTWBC</li> </ul>	<ul style="list-style-type: none"> <li>0.960 Endangered EVC</li> <li>0.262 High Quality EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.006 Grassy Woodland (175_61)</li> </ul>	<ul style="list-style-type: none"> <li>0.006 VTWBC</li> </ul>	<ul style="list-style-type: none"> <li>0.006 Endangered EVC</li> </ul>
1020	87.4	<ul style="list-style-type: none"> <li>1.038 GBGW</li> </ul>	<ul style="list-style-type: none"> <li>1.502 Grassy Woodland (175_61)</li> <li>0.012 Plains Grassy Woodland (55)</li> <li>3 small Scattered Trees</li> <li>2 large trees in patches</li> </ul>	<ul style="list-style-type: none"> <li>1.038 VTWBC</li> <li>Brush-tailed Phascogale habitat</li> </ul>	<ul style="list-style-type: none"> <li>1.514 Endangered EVC</li> <li>1.502 High Quality EVC</li> </ul>	<ul style="list-style-type: none"> <li>0.119 GBGW</li> </ul>	<ul style="list-style-type: none"> <li>0.119 Grassy Woodland (175_61)</li> <li>0.002 Plains Grassy Woodland (55)</li> </ul>	<ul style="list-style-type: none"> <li>0.119 VTWBC</li> </ul>	<ul style="list-style-type: none"> <li>0.121 Endangered EVC</li> <li>0.119 High Quality EVC</li> </ul>
1021	89.79	None identified	<ul style="list-style-type: none"> <li>0.102 Grassy Woodland (175_61)</li> <li>2 large Scattered Trees</li> <li>2 small Scattered Trees</li> <li>1 large trees in patch</li> </ul>	<ul style="list-style-type: none"> <li>Golden Wattle</li> <li>Everlasting</li> <li>Purple Coral-pea</li> <li>Scaly Buttons</li> <li>Twining Fringe-lily</li> </ul>	<ul style="list-style-type: none"> <li>0.102 Endangered EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.017 Grassy Woodland (175_61)</li> <li>2 large Scattered Trees</li> <li>1 small Scattered Tree</li> </ul>	<ul style="list-style-type: none"> <li>Potentially 5 Protected flora species</li> </ul>	<ul style="list-style-type: none"> <li>0.017 Endangered EVC</li> </ul>
1022	95.18	None identified	<ul style="list-style-type: none"> <li>2.028 Floodplain Riparian Woodland (56)</li> <li>28.934 Wetland</li> <li>1 large Scattered Tree</li> <li>6 small Scattered Trees</li> <li>6 large trees in patches</li> </ul>	<ul style="list-style-type: none"> <li>Gold-dust Wattle</li> </ul>	<ul style="list-style-type: none"> <li>28.934 High Quality EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.117 Floodplain Riparian Woodland (56)</li> <li>1 large Scattered Tree</li> <li>4 small Scattered Trees</li> <li>1 large trees in patch</li> </ul>	<ul style="list-style-type: none"> <li>Potentially 1 Protected flora species</li> </ul>	None identified

Site ID	Chainage	Existing Conditions*				Impacts			
		EPBC Act (MNES) (ha)	Native Vegetation (ha)	FFG Act (ha)	Other values (ha)	EPBC Act (MNES) (ha)	Native Vegetation (ha)	FFG Act (ha)	Other values (ha)
1023	98.21	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
1024	98.31	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
1025	98.62	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
1026	98.64	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
1027	Approx. 98.68	None identified	<ul style="list-style-type: none"> <li>1 small Scattered tree</li> </ul>	None identified	None identified	None identified	<ul style="list-style-type: none"> <li>1 small Scattered tree</li> </ul>	None identified	None identified
1029	99.035	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
1030	99.08	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
1031	99.14	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
1033	99.31	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
1034	99.58	None identified	<ul style="list-style-type: none"> <li>0.127 Creepline Grassy Woodland (68)</li> <li>2 large Scattered Trees</li> <li>1 large tree in patch</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.127 Endangered EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.023 Creepline Grassy Woodland (68)</li> <li>2 large Scattered Trees</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.023 Endangered EVC</li> </ul>
1035	100.03	None identified	<ul style="list-style-type: none"> <li>1.684 Box Ironbark Forest (61)</li> </ul>	<ul style="list-style-type: none"> <li>1.684 VTWBC</li> </ul>	<ul style="list-style-type: none"> <li>1.684 High Quality EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.007 Box Ironbark Forest (61)</li> </ul>	<ul style="list-style-type: none"> <li>0.007 VTWBC</li> </ul>	<ul style="list-style-type: none"> <li>0.007 High Quality EVC</li> </ul>
N10	76.57	None identified	<ul style="list-style-type: none"> <li>0.135 Plains Grassy Woodland (55)</li> <li>0.972 Plains Grassy Woodland (55_61)</li> <li>1 large tree in patch</li> </ul>	<ul style="list-style-type: none"> <li>0.972 VTWBC</li> </ul>	<ul style="list-style-type: none"> <li>1.107 Endangered EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.006 Plains Grassy Woodland (55)</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.006 Endangered EVC</li> </ul>
N9	77.88	None identified	<ul style="list-style-type: none"> <li>0.793 Grassy Woodland (175_61)</li> <li>2.443 Plains Grassy Woodland (55)</li> <li>0.688 Red Gum Swamp (292)</li> <li>2 large Scattered Trees</li> <li>2 large trees in patches</li> </ul>	<ul style="list-style-type: none"> <li>2.622 VTWBC</li> </ul>	<ul style="list-style-type: none"> <li>3.924 Endangered EVC</li> <li>0.381 High Quality EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.030 Grassy Woodland (175_61)</li> <li>0.072 Plains Grassy Woodland (55)</li> </ul>	<ul style="list-style-type: none"> <li>0.025 VTWBC</li> </ul>	<ul style="list-style-type: none"> <li>0.101 Endangered EVC</li> <li>0.056 High Quality EVC</li> </ul>

\*Existing conditions in this table may not equal those presented in Section 3.0 because the overlapping of buffers between each investigation area, where they are adjacent, may result in double-counting of ecological values.

## Strathbogie

Table 64 Investigation areas – Strathbogie LGA

Site ID	Chainage	Existing Conditions*				Impacts			
		EPBC Act (MNES) (ha)	Native Vegetation (ha)	FFG Act (ha)	Other values (ha)	EPBC Act (MNES) (ha)	Native Vegetation (ha)	FFG Act (ha)	Other values (ha)
1036	108.65	<ul style="list-style-type: none"> <li>14.345 GBGW</li> </ul>	<ul style="list-style-type: none"> <li>14.486 Plains Grassy Woodland (55)</li> <li>2 large trees in patches</li> </ul>	<ul style="list-style-type: none"> <li>14.345 VTWBC</li> </ul>	<ul style="list-style-type: none"> <li>14.486 Endangered EVC</li> <li>14.486 High Quality EVC</li> </ul>	<ul style="list-style-type: none"> <li>0.134 GBGW</li> </ul>	<ul style="list-style-type: none"> <li>0.139 Plains Grassy Woodland (55)</li> </ul>	<ul style="list-style-type: none"> <li>0.134 VTWBC</li> </ul>	<ul style="list-style-type: none"> <li>0.139 Endangered EVC</li> <li>0.139 High Quality EVC</li> </ul>
1037	114.95	None identified	<ul style="list-style-type: none"> <li>4 large Scattered Trees</li> </ul>	None identified	None identified	None identified	<ul style="list-style-type: none"> <li>4 large Scattered Trees</li> </ul>	None identified	None identified
1038	116.13-116.15	None identified	<ul style="list-style-type: none"> <li>0.054 Plains Grassy Woodland (55)</li> <li>1 large Scattered Tree</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.054 Endangered EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.004 Plains Grassy Woodland (55)</li> <li>1 large Scattered Tree</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.004 Endangered EVC</li> </ul>
1039	122.14	None identified	<ul style="list-style-type: none"> <li>0.242 Plains Woodland (803)</li> <li>2 large Scattered Trees</li> <li>1 large tree in patch</li> </ul>	<ul style="list-style-type: none"> <li>0.210 VTWBC</li> </ul>	<ul style="list-style-type: none"> <li>0.242 Endangered EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.104 Plains Woodland (803)</li> <li>1 large Scattered Tree</li> </ul>	<ul style="list-style-type: none"> <li>0.073 VTWBC</li> </ul>	<ul style="list-style-type: none"> <li>0.104 Endangered EVC</li> </ul>
1040	127.46	None identified	<ul style="list-style-type: none"> <li>0.233 Plains Woodland (803)</li> <li>3 large Scattered Trees</li> <li>2 small Scattered Trees</li> <li>2 large trees in patches</li> </ul>	<ul style="list-style-type: none"> <li>0.137 VTWBC,</li> <li>Glaucous Flax-lily</li> <li>Spreading Wattle</li> <li>Golden Wattle</li> <li>Clustered Everlasting</li> </ul>	<ul style="list-style-type: none"> <li>0.233 Endangered EVC</li> <li>0.167 High Quality EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.041 Plains Woodland (803)</li> <li>1 large Scattered Tree</li> <li>1 small Scattered Tree</li> </ul>	<ul style="list-style-type: none"> <li>0.031 VTWBC</li> <li>Glaucous Flax-lily</li> <li>Potentially 3 Protected flora species</li> </ul>	<ul style="list-style-type: none"> <li>0.041 Endangered EVC</li> <li>0.020 High Quality EVC</li> </ul>
1041	128.95	<ul style="list-style-type: none"> <li>0.152 GBGW</li> </ul>	<ul style="list-style-type: none"> <li>0.272 Plains Woodland (803)</li> <li>2 large Scattered Trees</li> <li>3 large trees in patches</li> </ul>	<ul style="list-style-type: none"> <li>0.272 VTWBC,</li> <li>Cottony Cassinia</li> <li>Late-flower Flax-lily</li> <li>Glaucous Flax-lily</li> <li>Gold-dust Wattle</li> <li>Spreading Wattle</li> <li>Golden Wattle</li> <li>Common Everlasting</li> <li>Shiny Everlasting</li> </ul>	<ul style="list-style-type: none"> <li>0.272 Endangered EVC</li> <li>0.229 High Quality EVC</li> </ul>	<ul style="list-style-type: none"> <li>0.058 GBGW</li> </ul>	<ul style="list-style-type: none"> <li>0.129 Plains Woodland (803)</li> <li>3 large trees in patches</li> </ul>	<ul style="list-style-type: none"> <li>0.129 VTWBC</li> <li>Impacts to some Cottony Cassinia individuals may occur during works.</li> <li>Potentially 7 Protected flora species</li> </ul>	<ul style="list-style-type: none"> <li>0.129 Endangered EVC</li> <li>0.105 High Quality EVC</li> </ul>
1042	133.6	<ul style="list-style-type: none"> <li>0.127 WBYBBRGGW</li> </ul>	<ul style="list-style-type: none"> <li>0.500 Grassy Woodland (Low Rises) (175_61)</li> <li>2 large Scattered Trees</li> <li>3 small Scattered Trees</li> </ul>	<ul style="list-style-type: none"> <li>0.500 VTWBC</li> <li>Buloke</li> <li>Glaucous Flax-lily</li> <li>Spreading Wattle</li> <li>Golden Wattle</li> <li>Blue Finger-flower</li> </ul>	<ul style="list-style-type: none"> <li>0.500 Endangered EVC</li> <li>0.500 High Quality EVC</li> </ul>	<ul style="list-style-type: none"> <li>0.127 WBYBBRGGW</li> </ul>	<ul style="list-style-type: none"> <li>0.178 Grassy Woodland (Low Rises) (175_61)</li> <li>1 large Scattered Tree</li> <li>3 small Scattered Trees</li> </ul>	<ul style="list-style-type: none"> <li>0.178 VTWBC</li> <li>14 Buloke individuals</li> <li>One Glaucous Flax-lily individual</li> <li>Potentially 7 Protected flora species</li> </ul>	<ul style="list-style-type: none"> <li>0.178 Endangered EVC</li> <li>0.178 High Quality EVC</li> </ul>

Site ID	Chainage	Existing Conditions*				Impacts			
		EPBC Act (MNES) (ha)	Native Vegetation (ha)	FFG Act (ha)	Other values (ha)	EPBC Act (MNES) (ha)	Native Vegetation (ha)	FFG Act (ha)	Other values (ha)
			<ul style="list-style-type: none"> <li>6 large trees in patches</li> </ul>	<ul style="list-style-type: none"> <li>Common Everlasting</li> <li>Clustered Everlasting</li> <li>Grevillea</li> <li>Onion Orchid</li> </ul>			<ul style="list-style-type: none"> <li>2 large trees in patches</li> </ul>		
1043	134.87	None identified	<ul style="list-style-type: none"> <li>0.240 Plains Woodland (803)</li> <li>2 large trees in patches</li> </ul>	<ul style="list-style-type: none"> <li>0.123 VTWB</li> <li>Everlasting</li> <li>Spreading Wattle</li> <li>Golden Wattle</li> <li>Blue Finger-flower</li> <li>Clustered Everlasting</li> <li>Everlasting</li> </ul>	<ul style="list-style-type: none"> <li>0.240 Endangered EVC</li> <li>0.212 High Quality EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.034 Plains Woodland (803)</li> </ul>	<ul style="list-style-type: none"> <li>0.034 VTWBC</li> <li>Potentially 6 Protected flora species</li> </ul>	<ul style="list-style-type: none"> <li>0.034 Endangered EVC</li> <li>0.013 High Quality EVC</li> </ul>
1045	136.525	None identified	<ul style="list-style-type: none"> <li>0.032 Plains Woodland (803)</li> <li>3 small Scattered Trees</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.032 Endangered EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>3 small Scattered Trees</li> </ul>	None identified	None identified
1046	136.555	<ul style="list-style-type: none"> <li>0.194 WBYBBRGGW</li> </ul>	<ul style="list-style-type: none"> <li>0.194 Plains Woodland (803)</li> <li>4 small Scattered Trees</li> </ul>	<ul style="list-style-type: none"> <li>0.194 VTWBC</li> <li>Late-flower Flax-lily</li> <li>Spreading Wattle</li> <li>Common Everlasting</li> <li>Sun Orchid</li> </ul>	<ul style="list-style-type: none"> <li>0.194 Endangered EVC</li> <li>0.194 High Quality EVC</li> </ul>	<ul style="list-style-type: none"> <li>0.032 WBYBBRGGW</li> </ul>	<ul style="list-style-type: none"> <li>0.032 Plains Woodland (803)</li> </ul>	<ul style="list-style-type: none"> <li>0.032 VTWBC</li> <li>Potentially 4 Protected flora species</li> </ul>	<ul style="list-style-type: none"> <li>0.032 Endangered EVC</li> <li>0.032 High Quality EVC</li> </ul>
1047	143	<ul style="list-style-type: none"> <li>0.634 WBYBBRGGW</li> <li>Euroa Guinea-flower</li> </ul>	<ul style="list-style-type: none"> <li>1.005 Grassy Woodland (Low Rises) (175_61)</li> <li>1 large tree in patch</li> </ul>	<ul style="list-style-type: none"> <li>0.811 VTWBC</li> <li>Diamond Firetail</li> <li>Glaucous Flax-lily</li> <li>Common Everlasting</li> </ul>	<ul style="list-style-type: none"> <li>1.005 Endangered EVC</li> <li>0.724 High Quality EVC</li> </ul>	<ul style="list-style-type: none"> <li>0.005 WBYBBRGGW</li> </ul>	<ul style="list-style-type: none"> <li>0.025 Grassy Woodland (Low Rises) (175_61)</li> <li>1 large tree in patch</li> </ul>	<ul style="list-style-type: none"> <li>0.017 VTWBC</li> <li>Potentially 2 Protected flora species</li> </ul>	<ul style="list-style-type: none"> <li>0.025 Endangered EVC</li> <li>0.005 High Quality EVC</li> </ul>
1048	150.85	None identified	<ul style="list-style-type: none"> <li>2 small Scattered Trees</li> </ul>	None identified	None identified	None identified	None identified	None identified	None identified
1049	151.04	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
1050	151.08	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
1051	151.76	None identified	<ul style="list-style-type: none"> <li>0.025 Floodplain Riparian Woodland (56)</li> <li>0.021 Plains Woodland (803)</li> <li>5 large Scattered Trees</li> <li>3 small Scattered Trees</li> <li>2 large trees in patches</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.021 Endangered EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.006 Floodplain Riparian Woodland (56)</li> <li>0.014 Plains Woodland (803)</li> <li>4 large Scattered Trees</li> <li>2 small Scattered Trees</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.014 Endangered EVC</li> </ul>



Site ID	Chainage	Existing Conditions*				Impacts			
		EPBC Act (MNES) (ha)	Native Vegetation (ha)	FFG Act (ha)	Other values (ha)	EPBC Act (MNES) (ha)	Native Vegetation (ha)	FFG Act (ha)	Other values (ha)
1052	158.96	None identified	<ul style="list-style-type: none"> <li>0.448 Plains Woodland (803)</li> <li>0.043 Spike-sedge Wetland (819)</li> <li>4 small Scattered Trees</li> <li>4 large trees in patches</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.448 Endangered EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.118 Plains Woodland (803)</li> <li>0.043 Spike-sedge Wetland (819)</li> <li>1 small Scattered Trees</li> <li>4 large trees in patches</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.118 Endangered EVC</li> </ul>
1053	169.45	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
1054	169.45	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
1055	169.75	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
1056	170.19	None identified	<ul style="list-style-type: none"> <li>0.056 Plains Grassy Woodland (55_61)</li> <li>0.105 Plains Woodland (803)</li> <li>2 small Scattered Trees</li> <li>1 large tree in patch</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.161 Endangered EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.035 Plains Grassy Woodland (55_61)</li> <li>2 small Scattered Trees</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.035 Endangered EVC</li> </ul>
1057	171.5	None identified	<ul style="list-style-type: none"> <li>0.271 Plains Woodland (803)</li> <li>2 small Scattered Trees</li> <li>2 large trees in patches</li> </ul>	<ul style="list-style-type: none"> <li>Spreading Wattle</li> <li>Golden Wattle</li> </ul>	<ul style="list-style-type: none"> <li>0.271 Endangered EVC</li> <li>0.249 High Quality EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.040 Plains Woodland (803)</li> <li>2 small Scattered Trees</li> </ul>	<ul style="list-style-type: none"> <li>Potentially 2 Protected flora species</li> </ul>	<ul style="list-style-type: none"> <li>0.040 Endangered EVC</li> <li>0.031 High Quality EVC</li> </ul>
1058	177.25	None identified	<ul style="list-style-type: none"> <li>0.191 Plains Woodland (803)</li> <li>1 small Scattered Tree</li> </ul>	<ul style="list-style-type: none"> <li>Purple Coral-pea</li> <li>Sun Orchid</li> </ul>	<ul style="list-style-type: none"> <li>0.191 Endangered EVC</li> <li>0.167 High Quality EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.061 Plains Woodland (803)</li> </ul>	<ul style="list-style-type: none"> <li>Potentially 2 Protected flora species</li> </ul>	<ul style="list-style-type: none"> <li>0.061 Endangered EVC</li> <li>0.038 High Quality EVC</li> </ul>
1203	115.622	None identified	<ul style="list-style-type: none"> <li>0.029 Plains Grassy Woodland (55)</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.020 Endangered EVC</li> <li>0.09 High Quality EVC</li> </ul>	None identified	None identified	None identified	None identified

\*Existing conditions in this table may not equal those presented in Section 3.0 because the overlapping of investigation area buffers may have resulted in double-counting of ecological values.

## Benalla

Table 65 Investigation areas – Benalla LGA

Site ID	Chainage	Existing conditions*				Impact			
		EPBC Act (MNES) (ha)	Native Vegetation (ha)	FFG Act (ha)	Other values (ha)	EPBC Act (MNES) (ha)	Native Vegetation (ha)	FFG Act (ha)	Other values (ha)
1059	183.13	None identified	<ul style="list-style-type: none"> <li>2 large Scattered Trees</li> <li>2 small Scattered Trees</li> </ul>	None identified	None identified	None identified	<ul style="list-style-type: none"> <li>1 small Scattered Tree</li> </ul>	None identified	None identified
1060	188.65	None identified	<ul style="list-style-type: none"> <li>0.186 Plains Grassy Woodland (55_61)</li> <li>0.087 Plains Woodland (803)</li> <li>0.017 Spike-sedge Wetland (819)</li> <li>1 small Scattered Tree</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.273 Endangered EVC</li> <li>0.017 High Quality EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.089 Plains Grassy Woodland (55_61)</li> <li>0.030 Plains Woodland (803)</li> <li>0.005 Spike-sedge Wetland (819)</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.119 Endangered EVC</li> <li>0.005 High Quality EVC</li> </ul>
1061	191.44	<ul style="list-style-type: none"> <li>1.272 GBGW</li> </ul>	<ul style="list-style-type: none"> <li>1.279 Plains Woodland (803)</li> <li>4 large trees in patches</li> </ul>	<ul style="list-style-type: none"> <li>1.272 VTWBC</li> </ul>	<ul style="list-style-type: none"> <li>1.279 Endangered EVC</li> <li>1.142 High Quality EVC</li> </ul>	<ul style="list-style-type: none"> <li>0.106 GBGW</li> </ul>	<ul style="list-style-type: none"> <li>0.106 Plains Woodland (803)</li> <li>1 large tree in patch</li> </ul>	<ul style="list-style-type: none"> <li>0.106 VTWBC</li> </ul>	<ul style="list-style-type: none"> <li>0.106 Endangered EVC</li> <li>0.076 High Quality EVC</li> </ul>
1062	191.9	None identified	<ul style="list-style-type: none"> <li>0.213 Plains Grassy Woodland (55)</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.213 Endangered EVC</li> <li>0.213 High Quality EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.030 Plains Grassy Woodland (55)</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.030 Endangered EVC</li> <li>0.030 High Quality EVC</li> </ul>
1063	193.3	None identified	<ul style="list-style-type: none"> <li>0.134 Plains Woodland (803)</li> <li>1 large tree in patch</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.134 Endangered EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.002 Plains Woodland (803)</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.002 Endangered EVC</li> </ul>
1064	193.3	None identified	<ul style="list-style-type: none"> <li>None identified</li> </ul>	None identified	None identified	None identified	None identified	None identified	None identified
1065	194.1	None identified	<ul style="list-style-type: none"> <li>0.090 Plains Woodland (803)</li> <li>2 large Scattered Trees</li> <li>1 small Scattered Tree</li> <li>4 large trees in patches</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.090 Endangered EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.002 Plains Woodland (803)</li> <li>2 large Scattered Trees</li> <li>1 small Scattered Tree</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.002 Endangered EVC</li> </ul>
1067	196.84	None identified	None identified	None identified	None identified	None identified	None identified	None identified	<ul style="list-style-type: none"> <li>None identified</li> </ul>
1068	197.57	None identified	<ul style="list-style-type: none"> <li>3.042 Plains Woodland (803)</li> </ul>	None identified	<ul style="list-style-type: none"> <li>3.042 Endangered EVC</li> <li>1.279 High Quality EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.380 Plains Woodland (803)</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.380 Endangered EVC</li> <li>0.348 High Quality EVC</li> </ul>
1069	198.07	None identified	<ul style="list-style-type: none"> <li>3.042 Plains Woodland (803)</li> <li>2 large Scattered Trees</li> <li>1 small Scattered Tree</li> </ul>	None identified	<ul style="list-style-type: none"> <li>3.042 Endangered EVC</li> <li>1.279 High Quality EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.106 Plains Woodland (803)</li> <li>1 large Scattered Tree</li> <li>1 small Scattered Tree</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.106 Endangered EVC</li> <li>0.106 High Quality EVC</li> </ul>

Site ID	Chainage	Existing conditions*				Impact			
		EPBC Act (MNES) (ha)	Native Vegetation (ha)	FFG Act (ha)	Other values (ha)	EPBC Act (MNES) (ha)	Native Vegetation (ha)	FFG Act (ha)	Other values (ha)
1070	201.28	None identified	<ul style="list-style-type: none"> <li>0.271 Plains Grassy Woodland (55_61)</li> <li>0.238 Tall Marsh (821)</li> <li>6 small Scattered Trees</li> </ul>	<ul style="list-style-type: none"> <li>Gold-dust Wattle</li> <li>Cotton Fireweed</li> </ul>	<ul style="list-style-type: none"> <li>0.271 Endangered EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>Plains Grassy Woodland (55_61)</li> <li>4 small Scattered Trees</li> </ul>	<ul style="list-style-type: none"> <li>Potentially 2 Protected flora species</li> </ul>	<ul style="list-style-type: none"> <li>0.120 Endangered EVC</li> </ul>
1071	204.76	None identified	<ul style="list-style-type: none"> <li>0.151 Plains Grassy Woodland (55)</li> <li>0.124 Plains Grassy Woodland (55_61)</li> <li>1 large Scattered Tree</li> <li>3 small Scattered Tree</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.275 Endangered EVC</li> <li>0.151 High Quality EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.019 Plains Grassy Woodland (55)</li> <li>0.035 Plains Grassy Woodland (55_61)</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.055 Endangered EVC</li> <li>0.019 High Quality EVC</li> </ul>
1072	208.4	<ul style="list-style-type: none"> <li>0.851 GBGW</li> </ul>	<ul style="list-style-type: none"> <li>1.920 Plains Woodland (803)</li> <li>0.140 Tall Marsh (821)</li> <li>5 large trees in patches</li> </ul>	<ul style="list-style-type: none"> <li>0.851 VTWBC</li> <li>Common Everlasting</li> </ul>	<ul style="list-style-type: none"> <li>1.920 Endangered EVC</li> <li>0.219 High Quality EVC</li> </ul>	<ul style="list-style-type: none"> <li>0.642 GBGW</li> </ul>	<ul style="list-style-type: none"> <li>1.461 Plains Woodland (803)</li> <li>0.124 Tall Marsh (821)</li> <li>3 large trees in patches</li> </ul>	<ul style="list-style-type: none"> <li>0.392 VTWBC</li> <li>Potentially 1 Protected flora species</li> </ul>	<ul style="list-style-type: none"> <li>1.461 Endangered EVC</li> <li>0.005 High Quality EVC</li> </ul>
1075	210.97	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
1076	213.94	<ul style="list-style-type: none"> <li>4.304 GBGW</li> <li>Potential Growling Grass Frog habitat</li> </ul>	<ul style="list-style-type: none"> <li>5.605 Plains Woodland (803)</li> <li>0.053 Spike-sedge Wetland (819)</li> <li>0.091 Tall Marsh (821)</li> <li>8 large Scattered Trees</li> <li>26 large trees in patches</li> </ul>	<ul style="list-style-type: none"> <li>5.605 VTWBC</li> <li>Gold-dust Wattle</li> <li>Milky Beauty-heads</li> <li>Blue Finger-flower</li> <li>Shiny Everlasting</li> <li>Potential Brush-tailed Phascogale habitat</li> </ul>	<ul style="list-style-type: none"> <li>5.605 Endangered EVC</li> </ul>	<ul style="list-style-type: none"> <li>0.280 GBGW</li> </ul>	<ul style="list-style-type: none"> <li>0.584 Plains Woodland (803)</li> <li>0.030 Spike-sedge Wetland (819)</li> <li>0.005 Tall Marsh (821)</li> </ul>	<ul style="list-style-type: none"> <li>0.584 VTWBC</li> <li>Potentially 4 Protected flora species</li> <li>Minor potential impacts to Growling Grass frog. Unlikely to represent a significant impact on the species.</li> </ul>	<ul style="list-style-type: none"> <li>0.584 Endangered EVC</li> </ul>
1077	213.94	<ul style="list-style-type: none"> <li>4.304 GBGW</li> </ul>	<ul style="list-style-type: none"> <li>4.421 Plains Woodland (803)</li> <li>1 large Scattered Tree</li> <li>1 large tree in patch</li> </ul>	<ul style="list-style-type: none"> <li>4.421 VTWBC</li> </ul>	<ul style="list-style-type: none"> <li>4.421 Endangered EVC</li> </ul>	<ul style="list-style-type: none"> <li>0.015 GBGW</li> </ul>	<ul style="list-style-type: none"> <li>0.017 Plains Woodland (803)</li> </ul>	<ul style="list-style-type: none"> <li>0.017 VTWBC</li> </ul>	<ul style="list-style-type: none"> <li>0.017 Endangered EVC</li> </ul>
1204	195.06	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified

\*Existing conditions in this table may not equal those presented in Section 3.0 because the overlapping of investigation area buffers may have resulted in double-counting of ecological values.

## Wangaratta

Table 66 Investigation areas – Wangaratta LGA

Site ID	Chainage	Existing conditions*				Impact			
		EPBC Act (MNES) (ha)	Native Vegetation (ha)	FFG Act (ha)	Other values (ha)	EPBC Act (MNES) (ha)	Native Vegetation (ha)	FFG Act (ha)	Other values (ha)
N2	233.52	None identified	<ul style="list-style-type: none"> <li>0.910 Creekline Grassy Woodland (68)</li> <li>3 small Scattered Trees, 2 large trees in patches</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.910 Endangered EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.008 Creekline Grassy Woodland (68)</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.008 Endangered EVC</li> </ul>
1078	215.58	<ul style="list-style-type: none"> <li>1.035 GBGW</li> </ul>	<ul style="list-style-type: none"> <li>2.986 Plains Woodland (803)</li> <li>4 small Scattered Trees</li> <li>2 large trees in patches</li> </ul>	<ul style="list-style-type: none"> <li>1.035 VTWBC</li> <li>Mountain Swainson-pea</li> <li>Basalt Podolepis</li> <li>Gold-dust Wattle</li> <li>Varnish Wattle</li> <li>Cranberry Heath</li> <li>Daphne Heath</li> <li>Blue Pincushion</li> <li>Clustered Everlasting</li> <li>Potential Brush-tailed Phascogale habitat</li> </ul>	<ul style="list-style-type: none"> <li>2.986 Endangered EVC</li> <li>1.303 High Quality EVC</li> </ul>	<ul style="list-style-type: none"> <li>0.022 GBGW</li> </ul>	<ul style="list-style-type: none"> <li>0.532 Plains Woodland (803)</li> <li>4 small Scattered Trees</li> </ul>	<ul style="list-style-type: none"> <li>0.022 VTWBC</li> <li>Potentially 7 Protected flora species</li> </ul>	<ul style="list-style-type: none"> <li>0.532 Endangered EVC</li> <li>0.068 High Quality EVC</li> </ul>
1080	215.58	<ul style="list-style-type: none"> <li>0.715 WBYBBRGGW</li> </ul>	<ul style="list-style-type: none"> <li>0.936 Box Ironbark Forest (61)</li> <li>0.816 Plains Woodland (803)</li> <li>2 large Scattered Trees</li> </ul>	<ul style="list-style-type: none"> <li>0.783 VTWBC</li> </ul>	<ul style="list-style-type: none"> <li>0.816 Endangered EVC</li> <li>0.936 High Quality EVC</li> </ul>	<ul style="list-style-type: none"> <li>0.174 WBYBBRGGW</li> </ul>	<ul style="list-style-type: none"> <li>0.191 Box Ironbark Forest (61)</li> <li>0.005 Plains Woodland (803)</li> <li>2 large Scattered Trees</li> </ul>	<ul style="list-style-type: none"> <li>0.188 VTWBC</li> </ul>	<ul style="list-style-type: none"> <li>0.005 Endangered EVC</li> <li>0.191 High Quality EVC</li> </ul>
1081	219.95	<ul style="list-style-type: none"> <li>0.321 WBYBBRGGW</li> </ul>	<ul style="list-style-type: none"> <li>0.267 Grassy Woodland (175)</li> <li>3.182 Grassy Woodland (Low Rises) (175_61)</li> <li>0.321 Plains Woodland (803)</li> <li>7 large trees in patches</li> </ul>	<ul style="list-style-type: none"> <li>0.321 VTWBC</li> <li>Rock Fern</li> <li>Onion Orchid</li> </ul>	<ul style="list-style-type: none"> <li>3.770 Endangered EVC</li> <li>0.267 High Quality EVC</li> </ul>	<ul style="list-style-type: none"> <li>0.005 WBYBBRGGW</li> </ul>	<ul style="list-style-type: none"> <li>0.020 Grassy Woodland (175)</li> <li>0.383 Grassy Woodland (Low Rises) (175_61)</li> <li>0.005 Plains Woodland (803)</li> </ul>	<ul style="list-style-type: none"> <li>0.005 VTWBC</li> <li>Potentially 2 Protected flora species</li> </ul>	<ul style="list-style-type: none"> <li>0.408 Endangered EVC</li> <li>0.020 High Quality EVC</li> </ul>
1082	219.95	None identified	<ul style="list-style-type: none"> <li>1.613 Grassy Woodland (Low Rises) (175_61)</li> </ul>	None identified	<ul style="list-style-type: none"> <li>1.613 Endangered EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.004 Grassy Woodland (Low Rises) (175_61)</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.004 Endangered EVC</li> </ul>
1083	220.72	None identified	<ul style="list-style-type: none"> <li>0.344 Grassy Woodland (175)</li> <li>0.408 Grassy Woodland (Low Rises) (175_61)</li> <li>1 small Scattered Tree</li> </ul>	<ul style="list-style-type: none"> <li>0.255 VTWBC</li> </ul>	<ul style="list-style-type: none"> <li>0.752 Endangered EVC</li> <li>0.599 High Quality EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.059 Grassy Woodland (175)</li> <li>0.035 Grassy Woodland (Low Rises) (175_61)</li> <li>1 small Scattered Tree</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.094 Endangered EVC</li> <li>0.059 High Quality EVC</li> </ul>

Site ID	Chainage	Existing conditions*				Impact			
		EPBC Act (MNES) (ha)	Native Vegetation (ha)	FFG Act (ha)	Other values (ha)	EPBC Act (MNES) (ha)	Native Vegetation (ha)	FFG Act (ha)	Other values (ha)
1084	220.72	None identified	<ul style="list-style-type: none"> <li>0.064 Grassy Woodland (175)</li> <li>0.510 Grassy Woodland (Low Rises) (175_61)</li> </ul>	<ul style="list-style-type: none"> <li>0.510 VTWBC</li> </ul>	<ul style="list-style-type: none"> <li>0.574 Endangered EVC</li> <li>0.574 High Quality EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.057 Grassy Woodland (175)</li> </ul>	<ul style="list-style-type: none"> <li>0.057 VTWBC</li> </ul>	<ul style="list-style-type: none"> <li>0.057 Endangered EVC</li> <li>0.057 High Quality EVC</li> </ul>
1085	221.7	None identified	<ul style="list-style-type: none"> <li>0.499 Grassy Woodland (175)</li> <li>0.238 Grassy Woodland (Low Rises) (175_61)</li> <li>3 large Scattered Trees</li> <li>1 large tree in patch</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.737 Endangered EVC</li> <li>0.499 High Quality EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.039 Grassy Woodland (175)</li> <li>0.136 Grassy Woodland (Low Rises) (175_61)</li> <li>1 large Scattered Tree</li> <li>1 large tree in patch</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.175 Endangered EVC</li> <li>0.039 High Quality EVC</li> </ul>
1086	221.97	<ul style="list-style-type: none"> <li>0.895 WBYBBRGGW</li> </ul>	<ul style="list-style-type: none"> <li>1.819 Grassy Woodland (Low Rises) (175_61)</li> <li>2 large trees in patches</li> </ul>	<ul style="list-style-type: none"> <li>1.812 VTWBC</li> <li>Varnish Wattle</li> <li>Rock Fern</li> <li>Onion Orchid</li> </ul>	<ul style="list-style-type: none"> <li>1.819 Endangered EVC</li> <li>0.725 High Quality EVC</li> </ul>	<ul style="list-style-type: none"> <li>0.016 WBYBBRGGW</li> </ul>	<ul style="list-style-type: none"> <li>0.152 Grassy Woodland (Low Rises) (175_61)</li> </ul>	<ul style="list-style-type: none"> <li>0.147 VTWBC</li> <li>Potentially 3 Protected flora species</li> </ul>	<ul style="list-style-type: none"> <li>0.152 Endangered EVC</li> </ul>
1087	222.26	<ul style="list-style-type: none"> <li>0.725 WBYBBRGGW</li> </ul>	<ul style="list-style-type: none"> <li>1.642 Grassy Woodland (Low Rises) (175_61)</li> <li>2 large trees in patches</li> </ul>	<ul style="list-style-type: none"> <li>1.642 VTWBC</li> <li>Varnish Wattle</li> </ul>	<ul style="list-style-type: none"> <li>1.642 Endangered EVC</li> <li>0.725 High Quality EVC</li> </ul>	<ul style="list-style-type: none"> <li>0.028 WBYBBRGGW</li> </ul>	<ul style="list-style-type: none"> <li>0.041 Grassy Woodland (Low Rises) (175_61)</li> </ul>	<ul style="list-style-type: none"> <li>0.041 VTWBC</li> <li>Potentially 1 Protected flora species</li> </ul>	<ul style="list-style-type: none"> <li>0.041 Endangered EVC</li> <li>0.028 High Quality EVC</li> </ul>
1088	223.52	<ul style="list-style-type: none"> <li>1.385 WBYBBRGGW</li> <li>Potential habitat for Striped Legless Lizard</li> </ul>	<ul style="list-style-type: none"> <li>1.831 Grassy Woodland (Low Rises) (175_61)</li> </ul>	<ul style="list-style-type: none"> <li>1.831 VTWBC</li> <li>Golden Cowslips</li> <li>Potential habitat for Purple Diuris</li> <li>Daphne Heath</li> <li>Rock Fern</li> <li>Golden Cowslips</li> <li>Onion Orchid</li> </ul>	<ul style="list-style-type: none"> <li>1.831 Endangered EVC</li> <li>0.921 High Quality EVC</li> </ul>	<ul style="list-style-type: none"> <li>0.106 WBYBBRGGW</li> </ul>	<ul style="list-style-type: none"> <li>0.124 Grassy Woodland (Low Rises) (175_61)</li> </ul>	<ul style="list-style-type: none"> <li>0.124 VTWBC</li> <li>Potentially 6 Protected flora species</li> <li>Potential impacts to Striped Legless Lizard habitat</li> </ul>	<ul style="list-style-type: none"> <li>0.124 Endangered EVC</li> <li>0.052 High Quality EVC</li> </ul>
1089	225.64	None identified	<ul style="list-style-type: none"> <li>0.019 Grassy Woodland (Low Rises) (175_61)</li> </ul>	<ul style="list-style-type: none"> <li>Jersey Cudweed</li> </ul>	<ul style="list-style-type: none"> <li>0.019 Endangered EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.008 Grassy Woodland (Low Rises) (175_61)</li> </ul>	<ul style="list-style-type: none"> <li>Potentially 1 Protected flora species</li> </ul>	<ul style="list-style-type: none"> <li>0.008 Endangered EVC</li> </ul>
1090	230.4	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
1091	231.17	None identified	1 large Scattered Tree	None identified	None identified	None identified	None identified	None identified	None identified
1092	232.51	None identified	<ul style="list-style-type: none"> <li>0.043 Plains Grassy Woodland (55_61)</li> <li>1 large Scattered Tree</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.043 Endangered EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.009 Plains Grassy Woodland (55_61)</li> <li>1 large Scattered Tree</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.009 Endangered EVC</li> </ul>
1093	232.095	None identified	<ul style="list-style-type: none"> <li>1 large Scattered Tree</li> </ul>	None identified	None identified	None identified	<ul style="list-style-type: none"> <li>1 large Scattered Tree</li> </ul>	None identified	None identified

Site ID	Chainage	Existing conditions*				Impact			
		EPBC Act (MNES) (ha)	Native Vegetation (ha)	FFG Act (ha)	Other values (ha)	EPBC Act (MNES) (ha)	Native Vegetation (ha)	FFG Act (ha)	Other values (ha)
1094	233.7	None identified	<ul style="list-style-type: none"> <li>0.047 Plains Grassy Woodland (55_61)</li> <li>1 small Scattered Tree</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.047 Endangered EVC</li> </ul>	None identified	None identified	None identified	None identified
1095	233.78	None identified	<ul style="list-style-type: none"> <li>0.024 Plains Grassy Woodland (55_61)</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.024 Endangered EVC</li> </ul>	None identified	None identified	None identified	None identified
1097	234.1	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
1098	234.15	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
1099	234.6	None identified	<ul style="list-style-type: none"> <li>1 small Scattered Tree</li> </ul>	None identified	None identified	None identified	None identified	None identified	None identified
1100	236.29	None identified	<ul style="list-style-type: none"> <li>3 small Scattered Trees</li> </ul>	None identified	None identified	None identified	<ul style="list-style-type: none"> <li>1 small Scattered Tree</li> </ul>	None identified	None identified
1101	237.29	None identified	<ul style="list-style-type: none"> <li>1.080 Floodplain Riparian Woodland (56)</li> <li>2 large trees in patches</li> </ul>	<ul style="list-style-type: none"> <li>0.408 VTWBC</li> </ul>	0.133 High Quality EVC	None identified	<ul style="list-style-type: none"> <li>0.108 Floodplain Riparian Woodland (56)</li> </ul>	<ul style="list-style-type: none"> <li>0.037 VTWBC</li> </ul>	None identified
1102	238.52	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
1103	239.3	None identified	<ul style="list-style-type: none"> <li>0.008 Plains Woodland (803)</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.008 Endangered EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.007 Plains Woodland (803)</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.007 Endangered EVC</li> </ul>
1104	239.89	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
1105	240.78	None identified	<ul style="list-style-type: none"> <li>0.275 Plains Woodland (803)</li> <li>1 small Scattered Tree, 1 large tree in patch</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.275 Endangered EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.080 Plains Woodland (803)</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.080 Endangered EVC</li> </ul>
1106	256.97	None identified	<ul style="list-style-type: none"> <li>0.056 Plains Grassy Woodland (55_61)</li> <li>0.128 Plains Woodland (803)</li> <li>2 small Scattered Trees</li> </ul>	<ul style="list-style-type: none"> <li>Rock Fern</li> </ul>	<ul style="list-style-type: none"> <li>0.184 Endangered EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.023 Plains Grassy Woodland (55_61)</li> <li>0.073 Plains Woodland (803)</li> <li>1 small Scattered Tree</li> </ul>	<ul style="list-style-type: none"> <li>Potentially 1 Protected flora species</li> </ul>	<ul style="list-style-type: none"> <li>0.096 Endangered EVC</li> </ul>
1107	258.33	None identified	<ul style="list-style-type: none"> <li>0.063 Plains Woodland (803)</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.063 Endangered EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.022 Plains Woodland (803)</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.022 Endangered EVC</li> </ul>
1108	259.21	None identified	<ul style="list-style-type: none"> <li>0.372 Plains Woodland (803)</li> <li>0.376 Spike-sedge Wetland (819)</li> <li>1 large Scattered Tree</li> </ul>	<ul style="list-style-type: none"> <li>Varnish Wattle</li> </ul>	<ul style="list-style-type: none"> <li>0.372 Endangered EVC</li> <li>0.147 High Quality EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.165 Plains Woodland (803)</li> <li>0.292 Spike-sedge Wetland (819)</li> </ul>	<ul style="list-style-type: none"> <li>Potentially 1 Protected flora species</li> </ul>	<ul style="list-style-type: none"> <li>0.165 Endangered EVC</li> <li>0.028 High Quality EVC</li> </ul>
1205	229.084	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified

Site ID	Chainage	Existing conditions*				Impact			
		EPBC Act (MNES) (ha)	Native Vegetation (ha)	FFG Act (ha)	Other values (ha)	EPBC Act (MNES) (ha)	Native Vegetation (ha)	FFG Act (ha)	Other values (ha)
1206	244.93	None identified	• 2 small Scattered Trees	None identified	None identified	None identified	None identified	None identified	None identified
1103	239.3	None identified	• 0.008 Plains Woodland (803)	None identified	• 0.008 Endangered EVC	None identified	• 0.007 Plains Woodland (803)	None identified	• 0.007 Endangered EVC
1104	239.89	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
1105	240.78	None identified	• 0.275 Plains Woodland (803) • 1 small Scattered Tree, 1 large tree in patch	None identified	• 0.275 Endangered EVC	None identified	• 0.080 Plains Woodland (803)	None identified	• 0.080 Endangered EVC

\*Existing conditions in this table may not equal those presented in Section 3.0 because the overlapping of investigation area buffers may have resulted in double-counting of ecological values.

## Indigo

Table 67 Investigation areas – Indigo LGA

Site ID	Chainage	Existing conditions*				Impact			
		EPBC Act (MNES) (ha)	Native Vegetation (ha)	FFG Act (ha)	Other values (ha)	EPBC Act (MNES) (ha)	Native Vegetation (ha)	FFG Act (ha)	Other values (ha)
1109	262.03	None identified	<ul style="list-style-type: none"> <li>1.971 Valley Grassy Forest (47)</li> <li>3 large Scattered Trees</li> <li>1 small Scattered Tree</li> <li>6 large trees in patches</li> </ul>	None identified	<ul style="list-style-type: none"> <li>1.971 Endangered EVC</li> <li>0.730 High Quality EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.091 Valley Grassy Forest (47)</li> <li>3 large Scattered Trees</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.091 Endangered EVC</li> <li>0.003 High Quality EVC</li> </ul>
1110	267.19	<ul style="list-style-type: none"> <li>0.203 WBYBBRGGW</li> <li>Brown Toadlet record and habitat for Brown Toadlet</li> <li>Potential habitat for Sloane's Froglet</li> </ul>	<ul style="list-style-type: none"> <li>0.465 Creekline Grassy Woodland (68)</li> </ul>	<ul style="list-style-type: none"> <li>0.203 VTWBC</li> </ul>	<ul style="list-style-type: none"> <li>0.465 Endangered EVC</li> </ul>	<ul style="list-style-type: none"> <li>0.016 WBYBBRGGW</li> </ul>	<ul style="list-style-type: none"> <li>0.052 Creekline Grassy Woodland (68)</li> </ul>	<ul style="list-style-type: none"> <li>0.016 VTWBC</li> <li>Minor potential impacts to Brown toadlet and Sloane's Froglet. Unlikely to represent a significant impact on the species.</li> </ul>	<ul style="list-style-type: none"> <li>0.052 Endangered EVC</li> </ul>
1111	269.25	None identified	<ul style="list-style-type: none"> <li>4 large Scattered Trees</li> <li>4 small Scattered Trees</li> </ul>	None identified	None identified	None identified	<ul style="list-style-type: none"> <li>1 large Scattered Tree</li> <li>3 small Scattered Trees</li> </ul>	None identified	None identified
1112	270.91	None identified	<ul style="list-style-type: none"> <li>1 small Scattered Tree</li> </ul>	None identified	None identified	None identified	None identified	None identified	None identified
1113	272.22	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
1115	271.38	None identified	<ul style="list-style-type: none"> <li>0.028 Grassy Woodland (Low Rises) (175_61)</li> <li>2 small Scattered Trees</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.028 Endangered EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.010 Grassy Woodland (Low Rises) (175_61)</li> <li>1 small Scattered Tree</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.010 Endangered EVC</li> </ul>
1116	272.22	None identified	<ul style="list-style-type: none"> <li>0.793 Alluvial Terraces Herb-rich Woodland (67)</li> <li>2 large Scattered Trees</li> <li>5 small Scattered Trees</li> </ul>	<ul style="list-style-type: none"> <li>Common Everlasting</li> <li>Leek Orchid</li> <li>Sun Orchid</li> <li>Shiny Everlasting</li> </ul>	<ul style="list-style-type: none"> <li>0.793 Endangered EVC</li> <li>0.232 High Quality EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.185 Alluvial Terraces Herb-rich Woodland (67)</li> <li>1 large Scattered Tree</li> <li>3 small Scattered Trees</li> </ul>	<ul style="list-style-type: none"> <li>Potentially 4 Protected flora species</li> </ul>	<ul style="list-style-type: none"> <li>0.185 Endangered EVC</li> <li>0.009 High Quality EVC</li> </ul>
1117	273.69	None identified	<ul style="list-style-type: none"> <li>0.797 Grassy Woodland (Low Rises) (175_61)</li> </ul>	<ul style="list-style-type: none"> <li>0.683 VTWBC</li> <li>Cranberry Heath</li> <li>Blue Finger-flower</li> <li>Woolly Grevillea</li> <li>Onion Orchid</li> <li>Horned Orchid</li> <li>Fuzzy New Holland Daisy</li> <li>Shiny Everlasting</li> </ul>	<ul style="list-style-type: none"> <li>0.797 Endangered EVC</li> <li>0.271 High Quality EVC</li> </ul>	None identified	<ul style="list-style-type: none"> <li>0.217 Grassy Woodland (Low Rises) (175_61)</li> </ul>	<ul style="list-style-type: none"> <li>0.217 VTWBC</li> </ul>	<ul style="list-style-type: none"> <li>0.217 Endangered EVC</li> <li>0.041 High Quality EVC</li> </ul>



Site ID	Chainage	Existing conditions*				Impact			
		EPBC Act (MNES) (ha)	Native Vegetation (ha)	FFG Act (ha)	Other values (ha)	EPBC Act (MNES) (ha)	Native Vegetation (ha)	FFG Act (ha)	Other values (ha)
1118	279.2	None identified	<ul style="list-style-type: none"> <li>0.048 Alluvial Terraces Herb-rich Woodland (67)</li> <li>4 large Scattered Trees</li> <li>1 large tree in patch</li> </ul>	None identified	None identified	None identified	<ul style="list-style-type: none"> <li>0.012 Alluvial Terraces Herb-rich Woodland (67)</li> <li>3 large Scattered Trees</li> <li>1 large tree in patch</li> </ul>	None identified	None identified
1119	279.52	None identified	<ul style="list-style-type: none"> <li>1 small Scattered Tree</li> </ul>	None identified	None identified	None identified	None identified	None identified	None identified
1120	280.3	None identified	<ul style="list-style-type: none"> <li>0.010 Alluvial Terraces Herb-rich Woodland (67)</li> </ul>	None identified	None identified	None identified	<ul style="list-style-type: none"> <li>0.001 Alluvial Terraces Herb-rich Woodland (67)</li> </ul>	None identified	None identified
1121	280.91	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified

\*Existing conditions in this table may not equal those presented in Section 3.0 because the overlapping of investigation area buffers may have resulted in double-counting of ecological values.

**Wodonga****Table 68 Investigation areas – Wodonga LGA**

Site ID	Chainage	Existing conditions*				Impact			
		EPBC Act (MNES) (ha)	Native Vegetation (ha)	FFG Act (ha)	Other values (ha)	EPBC Act (MNES) (ha)	Native Vegetation (ha)	FFG Act (ha)	Other values (ha)
1122	284.93	None identified	• 0.309 Plains Woodland (803)	None identified	• 0.309 Endangered EVC	None identified	None identified	None identified	None identified
1123	286.54	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
1124	290.91	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified
1125	301	None identified	<ul style="list-style-type: none"> <li>• 0.788 Riverine Swampy Woodland (815)</li> <li>• 3 large Scattered Trees</li> <li>• 8 small Scattered Trees</li> <li>• 8 large trees in patches</li> </ul>	None identified	None identified	None identified	<ul style="list-style-type: none"> <li>• 0.090 Riverine Swampy Woodland (815)</li> <li>• 3 large Scattered Trees</li> <li>• 3 small Scattered Trees</li> <li>• 3 large trees in patches</li> </ul>	None identified	None identified
1207	283	None identified	None identified	None identified	None identified	None identified	None identified	None identified	None identified

\*Existing conditions in this table may not equal those presented in Section 3.0 because the overlapping of investigation area buffers may have resulted in double-counting of ecological values.

# Appendix E

Tree table

## Appendix E – Tree table

**Table 69 Summary of native canopy trees (Large Trees in Patches and Scattered Trees) within the investigation area**

Tree ID	DBH (cm)	Circumference (cm)	Common name	Scientific name	Tree category
Mitchell					
135	155	487	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Tree in Patch
136	141	443	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Tree in Patch
137	135	424	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Tree in Patch
138	92	289	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Tree in Patch
139	67	210	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
140	70	220	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
141	88	276	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Tree in Patch
142	132	415	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Tree in Patch
143	84	264	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Tree in Patch
144	14	44	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
145	93	292	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Tree in Patch
147	82	258	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Tree in Patch
150	13	41	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
154	93	292	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Scattered Tree
155	16	50	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
156*	120	377	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Tree in Patch
157*	120	377	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Tree in Patch

Tree ID	DBH (cm)	Circumference (cm)	Common name	Scientific name	Tree category
158*	120	377	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Tree in Patch
165	102	320	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
168	95	298	Yellow Box	<i>Eucalyptus melliodora</i>	Large Tree in Patch
224	87	273	Yellow Box	<i>Eucalyptus melliodora</i>	Large Tree in Patch
238	73	229	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Tree in Patch
239	12	38	Grey Box	<i>Eucalyptus microcarpa</i>	Small Scattered Tree
250	22	69	Silver-leaf Stringybark	<i>Eucalyptus cephalocarpa</i> s.l.	Small Scattered Tree
251	21	66	Broad-leaved peppermint	<i>Eucalyptus dives</i>	Small Scattered Tree
253	9	28	Yellow Box	<i>Eucalyptus melliodora</i>	Small Scattered Tree
254	50	157	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
257	116	364	Stag	Stag	Large Tree in Patch
258	149	468	Yellow Box	<i>Eucalyptus melliodora</i>	Large Scattered Tree
259	126	396	Grey Box	<i>Eucalyptus microcarpa</i>	Large Scattered Tree
260	100	314	Grey Box	<i>Eucalyptus microcarpa</i>	Large Scattered Tree
261	96	302	Grey Box	<i>Eucalyptus microcarpa</i>	Large Scattered Tree
262	96	302	Grey Box	<i>Eucalyptus microcarpa</i>	Large Scattered Tree
263	150	471	Grey Box	<i>Eucalyptus microcarpa</i>	Large Scattered Tree
264	96	302	Yellow Box	<i>Eucalyptus melliodora</i>	Large Tree in Patch
265	60	188	Southern Blue-gum	<i>Eucalyptus globulus</i>	Small Scattered Tree
266	64	201	Yellow Box	<i>Eucalyptus melliodora</i>	Small Scattered Tree

Tree ID	DBH (cm)	Circumference (cm)	Common name	Scientific name	Tree category
267	73	229	Yellow Box	<i>Eucalyptus melliodora</i>	Large Tree in Patch
268	13	41	Grey Box	<i>Eucalyptus microcarpa</i>	Small Scattered Tree
269	14	44	Grey Box	<i>Eucalyptus microcarpa</i>	Small Scattered Tree
270	8	25	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
271	70	220	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
273	104	327	Yellow Box	<i>Eucalyptus melliodora</i>	Large Tree in Patch
279	140	440	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Tree in Patch
281	151	474	Grey Box	<i>Eucalyptus microcarpa</i>	Large Scattered Tree
292	70	220	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
293*	100	314	Manna Gum	<i>Eucalyptus viminalis</i>	Large Scattered Tree
297	70	220	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
298	100	314	Yellow Box	<i>Eucalyptus melliodora</i>	Large Tree in Patch
299	50	157	Yellow Box	<i>Eucalyptus melliodora</i>	Small Scattered Tree
302*	60	188	Narrow-leaf Peppermint	<i>Eucalyptus radiata</i>	Small Scattered Tree
303	70	220	Yellow Box	<i>Eucalyptus melliodora</i>	Large Tree in Patch
304	73	229	Yellow Box	<i>Eucalyptus melliodora</i>	Large Tree in Patch
3058	50	157	Yellow Box	<i>Eucalyptus melliodora</i>	Small Scattered Tree
310	142	446	Manna Gum	<i>Eucalyptus viminalis</i>	Large Tree in Patch
312	107	336	Yellow Box	<i>Eucalyptus melliodora</i>	Large Tree in Patch
315	70	220	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch

Tree ID	DBH (cm)	Circumference (cm)	Common name	Scientific name	Tree category
334	107	336	Yellow Box	<i>Eucalyptus melliodora</i>	Large Tree in Patch
335	77	242	Narrow-leaf Peppermint	<i>Eucalyptus radiata</i>	Large Tree in Patch
336	110	346	Yellow Box	<i>Eucalyptus melliodora</i>	Large Tree in Patch
338	144	452	Yellow Box	<i>Eucalyptus melliodora</i>	Large Tree in Patch
341	114	358	Yellow Box	<i>Eucalyptus melliodora</i>	Large Tree in Patch
359	97	305	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
365	84	264	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Tree in Patch
442*	30	94	Swamp Gum	<i>Eucalyptus ovata</i> var. <i>ovata</i>	Small Scattered Tree
443*	25	79	Swamp Gum	<i>Eucalyptus ovata</i> var. <i>ovata</i>	Small Scattered Tree
444	71	223	Silver-leaf Stringybark	<i>Eucalyptus cephalocarpa</i> s.l.	Large Scattered Tree
445*	70	220	Swamp Gum	<i>Eucalyptus ovata</i> var. <i>ovata</i>	Large Scattered Tree
446	48	151	Silver-leaf Stringybark	<i>Eucalyptus cephalocarpa</i> s.l.	Small Scattered Tree
447	79	248	Silver-leaf Stringybark	<i>Eucalyptus cephalocarpa</i> s.l.	Small Scattered Tree
449	50	157	Eucalyptus sp.	<i>Eucalyptus</i> sp.	Small Scattered Tree
460	98	308	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Tree in Patch
484	102	320	Stag	Stag	Large Tree in Patch
1016	130	408	Yellow Box	<i>Eucalyptus melliodora</i>	Large Tree in Patch
1260*	20	63	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
1316	100	314	Yellow Gum	<i>Eucalyptus leucoxydon</i> subsp. <i>pruinosa</i>	Large Tree in Patch
1385	81	254	Yellow Box	<i>Eucalyptus melliodora</i>	Large Tree in Patch

Tree ID	DBH (cm)	Circumference (cm)	Common name	Scientific name	Tree category
1387*	70	220	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Scattered Tree
1388*	70	220	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Scattered Tree
1408*	70	220	No access	No access	Large Scattered Tree
1409*	70	220	No access	No access	Large Scattered Tree
1410*	70	220	No access	No access	Large Scattered Tree
1413*	70	220	Not assessed	Not assessed	Large Scattered Tree
1414*	70	220	Not assessed	Not assessed	Large Scattered Tree
1415*	80	251	Not assessed	Not assessed	Large Scattered Tree
1416*	80	251	Not assessed	Not assessed	Large Scattered Tree
1417*	80	251	Not assessed	Not assessed	Large Scattered Tree
1418*	80	251	Not assessed	Not assessed	Large Scattered Tree
1419*	80	251	Not assessed	Not assessed	Large Scattered Tree
1420*	80	251	Not assessed	Not assessed	Large Scattered Tree
<b>Strathbogie</b>					
282	107	336	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Large Tree in Patch
283	110	346	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Large Tree in Patch
284*	132	415	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Large Scattered Tree
285*	64	201	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Small Scattered Tree
286*	45	141	Eucalyptus sp.	<i>Eucalyptus sp.</i>	Small Scattered Tree
287*	28	88	Eucalyptus sp.	<i>Eucalyptus sp.</i>	Small Scattered Tree



Tree ID	DBH (cm)	Circumference (cm)	Common name	Scientific name	Tree category
317	71	223	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Large Tree in Patch
324	118	371	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Large Tree in Patch
329	121	380	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Large Tree in Patch
330	91	286	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Large Scattered Tree
331	97	305	Stag	Stag	Large Tree in Patch
332	109	342	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Large Tree in Patch
343	26	82	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
344	53	167	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
345	18	57	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
346	10	31	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
347	78	245	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Large Tree in Patch
348	98	308	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
349	158	496	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
350	121	380	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
489	104	327	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
502	77	242	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
504	74	232	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
505	25	79	Grey Box	<i>Eucalyptus microcarpa</i>	Small Scattered Tree
506	70	220	Stag	Stag	Large Scattered Tree
507	20	63	Grey Box	<i>Eucalyptus microcarpa</i>	Small Scattered Tree

Tree ID	DBH (cm)	Circumference (cm)	Common name	Scientific name	Tree category
509	111	349	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
511	120	377	Grey Box	<i>Eucalyptus microcarpa</i>	Large Scattered Tree
513	86	270	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
514	70	220	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
515	90	283	Grey Box	<i>Eucalyptus microcarpa</i>	Large Scattered Tree
516	153	481	Yellow Box	<i>Eucalyptus melliodora</i>	Large Tree in Patch
517	72	226	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Large Tree in Patch
518	30	94	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Small Scattered Tree
519	20	63	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Small Scattered Tree
520	23	72	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Small Scattered Tree
522	29	91	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Small Scattered Tree
523	35	110	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Small Scattered Tree
530	9	28	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Small Scattered Tree
531	10	31	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Small Scattered Tree
533	24	75	Grey Box	<i>Eucalyptus microcarpa</i>	Small Scattered Tree
534	15	47	Grey Box	<i>Eucalyptus microcarpa</i>	Small Scattered Tree
535	110	346	Stag	Stag	Large Tree in Patch
536	115	361	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Tree in Patch
537	11	35	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
538	129	405	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Scattered Tree

Tree ID	DBH (cm)	Circumference (cm)	Common name	Scientific name	Tree category
539	131	412	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Scattered Tree
540	65	204	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
542	132	415	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Scattered Tree
543	76	239	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
544	82	258	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Scattered Tree
545	88	276	Grey Box	<i>Eucalyptus microcarpa</i>	Large Scattered Tree
547	80	251	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Tree in Patch
548	73	229	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
549	20	63	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
550	24	75	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
551	15	47	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
552	25	79	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
1421*	80	251	Not assessed	Not assessed	Large Scattered Tree
1422*	80	251	Not assessed	Not assessed	Large Scattered Tree
1423*	80	251	Not assessed	Not assessed	Large Scattered Tree
1424*	80	251	Not assessed	Not assessed	Large Scattered Tree
1425*	80	251	Not assessed	Not assessed	Large Scattered Tree
1426*	80	251	Not assessed	Not assessed	Large Scattered Tree
1427*	80	251	Not assessed	Not assessed	Large Scattered Tree
1428*	80	251	Not assessed	Not assessed	Large Scattered Tree

Tree ID	DBH (cm)	Circumference (cm)	Common name	Scientific name	Tree category
1429*	80	251	Not assessed	Not assessed	Large Scattered Tree
1430*	80	251	Not assessed	Not assessed	Large Scattered Tree
1431*	80	251	Not assessed	Not assessed	Large Scattered Tree
1432*	80	251	Not assessed	Not assessed	Large Scattered Tree
1433*	80	251	Not assessed	Not assessed	Large Scattered Tree
1434*	80	251	Not assessed	Not assessed	Large Scattered Tree
1435*	70	220	Not assessed	Not assessed	Large Scattered Tree
1436*	70	220	Not assessed	Not assessed	Large Scattered Tree
1437*	80	251	Not assessed	Not assessed	Large Scattered Tree
1438*	80	251	Not assessed	Not assessed	Large Scattered Tree
1457*	70	220	Not assessed	Not assessed	Large Scattered Tree
1458*	70	220	Not assessed	Not assessed	Large Scattered Tree
<b>Benalla</b>					
173	9	28	Grey Box	<i>Eucalyptus microcarpa</i>	Small Scattered Tree
355	105	330	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Tree in Patch
356	82	258	Stag	Stag	Large Tree in Patch
357	89	280	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
367	95	298	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
368	78	245	Stag	Stag	Large Tree in Patch
369	127	399	Stag	Stag	Large Tree in Patch

Tree ID	DBH (cm)	Circumference (cm)	Common name	Scientific name	Tree category
370	140	440	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
371*	91	286	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
374*	85	267	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
375*	85	267	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
381*	70	220	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
390*	80	251	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
391*	110	346	Yellow Box	<i>Eucalyptus melliodora</i>	Large Tree in Patch
393	120	377	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
396*	80	251	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
397	90	283	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
399*	80	251	Eucalyptus sp.	<i>Eucalyptus sp.</i>	Large Tree in Patch
400*	90	283	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
402*	85	267	Red Box	<i>Eucalyptus polyanthemos</i>	Large Tree in Patch
403*	85	267	Eucalyptus sp.	<i>Eucalyptus sp.</i>	Large Tree in Patch
404*	90	283	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
405	80	251	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
406*	90	283	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
408*	80	251	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
411*	85	267	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
414*	100	314	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch

Tree ID	DBH (cm)	Circumference (cm)	Common name	Scientific name	Tree category
415*	85	267	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
416*	115	361	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
417	103	324	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
418	135	424	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
419	73	229	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
420	114	358	Yellow Box	<i>Eucalyptus melliodora</i>	Large Tree in Patch
421	89	280	Yellow Box	<i>Eucalyptus melliodora</i>	Large Tree in Patch
422	115	361	Yellow Box	<i>Eucalyptus melliodora</i>	Large Tree in Patch
423*	80	251	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
567	62	195	Yellow Box	<i>Eucalyptus melliodora</i>	Small Scattered Tree
568	76	239	Yellow Box	<i>Eucalyptus melliodora</i>	Small Scattered Tree
569	86	270	Yellow Box	<i>Eucalyptus melliodora</i>	Large Scattered Tree
570	84	264	Yellow Box	<i>Eucalyptus melliodora</i>	Large Scattered Tree
576	90	283	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Large Tree in Patch
577	96	302	Yellow Box	<i>Eucalyptus melliodora</i>	Large Tree in Patch
578	108	339	Yellow Box	<i>Eucalyptus melliodora</i>	Large Tree in Patch
579	81	254	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Tree in Patch
580	141	443	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Tree in Patch
581*	11	35	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
594	192	603	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch

Tree ID	DBH (cm)	Circumference (cm)	Common name	Scientific name	Tree category
628	75	236	Grey Box	<i>Eucalyptus microcarpa</i>	Small Scattered Tree
647	24	75	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
674	70	220	Grey Box	<i>Eucalyptus microcarpa</i>	Small Scattered Tree
676	13	41	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
694	9	28	Grey Box	<i>Eucalyptus microcarpa</i>	Small Scattered Tree
695*	60	188	Grey Box	<i>Eucalyptus microcarpa</i>	Small Scattered Tree
697*	30	94	Grey Box	<i>Eucalyptus microcarpa</i>	Small Scattered Tree
711	7	22	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
712	29	91	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
713	27	85	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
714	121	380	Stag	Stag	Large Scattered Tree
1254	80	251	No access	No access	Large Scattered Tree
1255	80	251	No access	No access	Large Scattered Tree
1411*	80	251	Not assessed	Not assessed	Large Scattered Tree
1412*	80	251	Not assessed	Not assessed	Large Scattered Tree
1439*	70	220	Not assessed	Not assessed	Large Scattered Tree
1440*	70	220	Not assessed	Not assessed	Large Scattered Tree
1441**	70	220	Not assessed	Not assessed	Large Scattered Tree
1442*	70	220	Not assessed	Not assessed	Large Scattered Tree
1443*	70	220	Not assessed	Not assessed	Large Scattered Tree

Tree ID	DBH (cm)	Circumference (cm)	Common name	Scientific name	Tree category
1444*	70	220	Not assessed	Not assessed	Large Scattered Tree
1445*	70	220	Not assessed	Not assessed	Large Scattered Tree
1446*	70	220	Not assessed	Not assessed	Large Scattered Tree
1447*	70	220	Not assessed	Not assessed	Large Scattered Tree
<b>Wangaratta</b>					
715	72	226	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
716	98	308	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
717	15	47	Grey Box	<i>Eucalyptus microcarpa</i>	Small Scattered Tree
718	102	320	Red Ironbark	<i>Eucalyptus tricarpa</i>	Large Tree in Patch
719	105	330	Red Ironbark	<i>Eucalyptus tricarpa</i>	Large Tree in Patch
720	86	270	Red Ironbark	<i>Eucalyptus tricarpa</i>	Large Tree in Patch
721	90	283	Red Ironbark	<i>Eucalyptus tricarpa</i>	Large Tree in Patch
722	74	232	Silver-leaf Stringybark	<i>Eucalyptus cephalocarpa</i> s.l.	Large Tree in Patch
723	116	364	Red Box	<i>Eucalyptus polyanthemos</i>	Large Tree in Patch
724	8	25	Grey Box	<i>Eucalyptus microcarpa</i>	Small Scattered Tree
725	14	44	Grey Box	<i>Eucalyptus microcarpa</i>	Small Scattered Tree
726	16	50	Grey Box	<i>Eucalyptus microcarpa</i>	Small Scattered Tree
727	33	104	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Small Scattered Tree
728	80	251	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Large Tree in Patch
729	71	223	Red Box	<i>Eucalyptus polyanthemos</i>	Large Scattered Tree



Tree ID	DBH (cm)	Circumference (cm)	Common name	Scientific name	Tree category
730	91	286	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Large Tree in Patch
731	145	456	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Scattered Tree
733	115	361	Silver-leaf Stringybark	<i>Eucalyptus cephalocarpa</i> s.l.	Large Tree in Patch
736	80	251	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Scattered Tree
737	38	119	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
738*	125	393	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
739*	125	393	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
740	89	280	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
741	4	13	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
742	5	16	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
743	5	16	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
744	41	129	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
745	82	258	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Tree in Patch
746	81	254	Grey Box	<i>Eucalyptus microcarpa</i>	Large Tree in Patch
749	127	399	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Tree in Patch
750	42	132	Grey Box	<i>Eucalyptus microcarpa</i>	Small Scattered Tree
751	22	69	Grey Box	<i>Eucalyptus microcarpa</i>	Small Scattered Tree
762	32	101	Grey Box	<i>Eucalyptus microcarpa</i>	Small Scattered Tree
763	68	214	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
972	22	69	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree

Tree ID	DBH (cm)	Circumference (cm)	Common name	Scientific name	Tree category
973	25	79	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
982	17	53	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
983	58	182	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
988	103	324	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Tree in Patch
1448*	70	220	Not assessed	Not assessed	Large Scattered Tree
1449*	70	220	Not assessed	Not assessed	Large Scattered Tree
1450*	70	220	Not assessed	Not assessed	Large Scattered Tree
1451*	70	220	Not assessed	Not assessed	Large Scattered Tree
1452*	80	251	Not assessed	Not assessed	Large Scattered Tree
1459*	70	220	Not assessed	Not assessed	Large Scattered Tree
1465	186	584	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Tree in Patch
<b>Indigo</b>					
769	9	28	Yellow Box	<i>Eucalyptus melliodora</i>	Small Scattered Tree
770	12	38	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
771	23	72	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
772	117	368	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Large Scattered Tree
774	31	97	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Small Scattered Tree
775	43	135	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
776	23	72	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Small Scattered Tree
777	37	116	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Small Scattered Tree

Tree ID	DBH (cm)	Circumference (cm)	Common name	Scientific name	Tree category
784	40	126	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Small Scattered Tree
786	84	264	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Large Tree in Patch
787	78	245	Yellow Box	<i>Eucalyptus melliodora</i>	Large Tree in Patch
788	106	333	Yellow Box	<i>Eucalyptus melliodora</i>	Large Scattered Tree
789	64	201	Yellow Box	<i>Eucalyptus melliodora</i>	Small Scattered Tree
790	77	242	Red Box	<i>Eucalyptus polyanthemos</i>	Large Tree in Patch
791	102	320	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Large Tree in Patch
792	72	226	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Large Tree in Patch
793	82	258	Red Box	<i>Eucalyptus polyanthemos</i>	Large Scattered Tree
794	90	283	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Large Scattered Tree
795	116	364	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Large Tree in Patch
796	105	330	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Large Tree in Patch
797	108	339	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Large Tree in Patch
798	70	220	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Large Scattered Tree
799	57	179	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Small Scattered Tree
813	21	66	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Small Scattered Tree
814	15	47	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Small Scattered Tree
815	39	123	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Small Scattered Tree
816	37	116	Blakely's Red-gum	<i>Eucalyptus blakelyi</i>	Small Scattered Tree
1453*	80	251	Not assessed	Not assessed	Large Scattered Tree

Tree ID	DBH (cm)	Circumference (cm)	Common name	Scientific name	Tree category
1454*	80	251	Not assessed	Not assessed	Large Scattered Tree
1455*	80	251	Not assessed	Not assessed	Large Scattered Tree
1456*	80	251	Not assessed	Not assessed	Large Scattered Tree
1460*	70	220	Not assessed	Not assessed	Large Scattered Tree
1461*	70	220	Not assessed	Not assessed	Large Scattered Tree
1462*	70	220	Not assessed	Not assessed	Large Scattered Tree
1463*	70	220	Not assessed	Not assessed	Large Scattered Tree
1464*	70	220	Not assessed	Not assessed	Large Scattered Tree
<b>Wodonga</b>					
427	55	173	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
428	70	220	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Scattered Tree
429	44	138	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
430	42	132	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
431	68	214	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
432	127	399	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Tree in Patch
433	76	239	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Tree in Patch
434	113	355	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Tree in Patch
435	110	346	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Tree in Patch
436	80	251	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Tree in Patch
437	120	377	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Tree in Patch

Tree ID	DBH (cm)	Circumference (cm)	Common name	Scientific name	Tree category
438	70	220	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Tree in Patch
440	120	377	River Red-gum	<i>Eucalyptus camaldulensis</i>	Large Tree in Patch
804	52	163	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
806	48	151	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
807	18	57	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
808	100	314	Eucalyptus sp.	<i>Eucalyptus sp.</i>	Large Scattered Tree
809	52	163	River Red-gum	<i>Eucalyptus camaldulensis</i>	Small Scattered Tree
810	138	434	Stag	Stag	Large Scattered Tree

\* DBH was estimated in the field or by desktop due to no access, safety issues, or May 2021 Project Area change.

# Appendix F

## Habitat Hectare Data

## Appendix E – Habitat hectare data

Habitat Zone		HZ 7	HZ 10	HZ 11	HZ 12	HZ 13	HZ 14	HZ 15	HZ 16	HZ 18	HZ 19	HZ 20	HZ 21	HZ 22	HZ 23	HZ 24	
EVC		Grassy Woodland (175_61)	Grassy Woodland (175_61)	Tall Marsh (821)	Tall Marsh (821)	Tall Marsh (821)	Plains Grassy Woodland (55)	Riparian Forest (18)	Plains Grassy Woodland (55)	Valley Grassy Forest (47)	Valley Heathy Forest (127)	Valley Heathy Forest (127)	Valley Heathy Forest (127)	Valley Heathy Forest (127)	Grassy Woodland (175_61)	Grassy Woodland (175_61)	
Bioregion		Central Victorian Uplands	Central Victorian Uplands	Victorian Volcanic Plain	Victorian Volcanic Plain	Victorian Volcanic Plain	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	
Bioregional Conservation Status (BCS)		E	E	D	D	D	E	V	E	V	V	V	V	V	E	E	
EPBC Community		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	GBGW	N/A	
FFG Community		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	VTWBC	VTWBC	
Site Condition	Large Old Trees	10	7	7	N/A	N/A	N/A	0	0	0	0	0	0	0	10	6	
	Tree Canopy Cover	5	4	4	N/A	N/A	N/A	0	0	2	0	2	0	0	2	3	5
	Lack of Weeds	15	13	13	0	0	0	9	0	7	0	4	4	9	9	11	6
	Understorey	25	5	5	5	5	5	5	5	5	15	15	15	15	5	15	5
	Recruitment	10	10	10	0	0	0	0	3	0	5	3	3	10	5	5	5
	Organic Litter	5	5	5	2	2	2	5	0	5	3	5	5	3	5	3	5
	Logs	5	0	0	N/A	N/A	N/A	0	0	0	0	0	0	0	0	4	0
	Total Site Score	75	44	44	7	7	7	19	8	19	23	29	27	37	26	51	32
Standardiser		-	N/A	N/A	1.36	1.36	1.36	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Standardised Site Score		-	N/A	N/A	9.52	9.52	9.52	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Landscape Context	Patch Size	10	8	8	1	1	1	8	8	1	8	8	8	8	2	8	1
	Distance to Core Area	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3
	Neighbourhood	10	3	4	0	0	0	6	4	3	3	4	3	3	2	5	1
	Total Landscape Score	25	15	16	5	5	5	18	16	8	15	16	15	15	8	17	5
Habitat Score		100	59	60	15	15	15	37	24	27	38	45	42	52	34	68	37
Habitat Points = Score/100		1	0.59	0.60	0.15	0.15	0.15	0.37	0.24	0.27	0.38	0.45	0.42	0.52	0.34	0.68	0.37
Total area of Habitat Zone (ha)		0.093	0.067	0.005	0.002	0.005	0.068	0.019	0.001	0.039	0.011	0.045	0.009	0.055	1.038	0.266	
Habitat Hectares (Hha)		0.055	0.0399	0.001	0.0002	0.001	0.025	0.005	0.0004	0.015	0.005	0.019	0.005	0.019	0.706	0.099	

\*Modelled native vegetation condition score was used or scores of adjacent patches were used where access was not available or where only desktop assessments were completed as part of the May 2021 updates to project areas as stated in Section 2.5.

Habitat Zone		HZ 25	HZ 26	HZ 27	HZ 28	HZ 29	HZ 30	HZ 31	HZ 32	HZ 33	HZ 34*	HZ 35	HZ 36	HZ 37	HZ 38	HZ 39
EVC		Plains Grassy Woodland (55)	Plains Grassy Woodland (55)	Red Gum Swamp (292)	Plains Grassy Woodland (55)	Grassy Woodland (175_61)	Grassy Woodland (175_61)	Grassy Woodland (175_61)	Riparian Forest (18)	Grassy Woodland (Low Rises) (175_61)	Grassy Woodland (Low Rises) (175_61)	Grassy Woodland (Low Rises) (175_61)	Riparian Forest (18)	Grassy Woodland (Low Rises) (175_61)	Grassy Woodland (Low Rises) (175_61)	Grassy Woodland (Low Rises) (175_61)
Bioregion		Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Victorian Volcanic Plain	Victorian Riverina	Victorian Riverina	Victorian Riverina	Central Victorian Uplands	Victorian Riverina	Victorian Riverina	Victorian Riverina
Bioregional Conservation Status (BCS)		E	E	E	E	E	E	E	V	E	E	E	V	E	E	E
EPBC Community		GBGW	N/A	N/A	N/A	N/A	N/A	N/A	N/A	WBYBBRGGW	N/A	WBYBBRGGW	N/A	N/A	WBYBBRGGW	WBYBBRGGW
FFG Community		VTWBC	VTWBC	N/A	VTWBC	N/A	N/A	N/A	N/A	VTWBC	VTWBC	VTWBC	N/A	VTWBC	VTWBC	VTWBC
Site Condition	Large Old Trees	10	10	10	3	10	0	9	9	0	9	9	9	9	9	9
	Tree Canopy Cover	5	5	5	4	5	3	2	2	0	4	4	4	5	2	2
	Lack of Weeds	15	0	0	2	9	11	6	13	2	11	11	11	2	6	11
	Understorey	25	5	5	15	5	5	15	5	5	5	5	5	15	5	15
	Recruitment	10	3	3	6	0	0	5	3	0	10	10	10	6	5	5
	Organic Litter	5	5	5	5	5	3	5	3	0	3	3	3	0	3	3
	Logs	5	3	3	2	2	0	2	0	0	5	5	5	5	5	5
	Total Site Score	75	31	31	37	36	22	44	35	7	47	47	47	42	35	50
Standardiser		-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Standardised Site Score		-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Landscape Context	Patch Size	10	4	4	8	8	1	1	8	1	8	8	8	8	8	8
	Distance to Core Area	5	3	3	4	4	4	4	4	4	4	4	4	4	4	4
	Neighbourhood	10	1	1	5	5	3	3	5	1	2	1	2	6	4	4
	Total Landscape Score	25	8	8	17	17	8	8	17	6	14	13	14	18	16	16
Habitat Score		100	39	39	54	53	30	52	52	13	61	60	61	60	51	66
Habitat Points = Score/100		1	0.39	0.39	0.54	0.53	0.30	0.52	0.52	0.13	0.61	0.60	0.61	0.60	0.51	0.66
Total area of Habitat Zone (ha)			0.044	0.070	0.688	0.428	0.020	0.081	0.304	0.035	0.095	0.097	0.104	0.115	0.176	0.634
Habitat Hectares (Hha)			0.017	0.027	0.3715	0.227	0.006	0.042	0.158	0.005	0.058	0.058	0.063	0.069	0.090	0.419

\*Modelled native vegetation condition score was used or scores of adjacent patches were used where access was not available or where only desktop assessments were completed as part of the May 2021 updates to project areas as stated in Section 2.5.



Habitat Zone		HZ 40	HZ 41	HZ 42	HZ 43	HZ 44	HZ 45	HZ 46	HZ 47	HZ 48	HZ 49*	HZ 50	HZ 51*	HZ 53	HZ 54	HZ 55	
EVC		Valley Grassy Forest (47)	Valley Grassy Forest (47)	Plains Woodland (803)	Valley Grassy Forest (47)	Plains Woodland (803)	Plains Woodland (803)	Plains Woodland (803)	Spike-sedge Wetland (819)	Plains Woodland (803)	Plains Woodland (803)	Plains Woodland (803)	Plains Woodland (803)	Tall Marsh (821)	Plains Woodland (803)	Tall Marsh (821)	
Bioregion		Central Victorian Uplands	Central Victorian Uplands	Victorian Riverina	Central Victorian Uplands	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	
Bioregional Conservation Status (BCS)		V	V	E	V	E	E	E	V	E	E	E	E	D	E	D	
EPBC Community		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	GBGW	GBGW	GBGW	N/A	GBGW	N/A	
FFG Community		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	VTWBC	VTWBC	VTWBC	N/A	VTWBC	N/A	
Site Condition	Large Old Trees	10	8	0	5	10	0	0	0	N/A	0	6	9	6	N/A	5	N/A
	Tree Canopy Cover	5	3	0	2	3	0	0	2	N/A	3	3	2	3	N/A	2	N/A
	Lack of Weeds	15	2	2	6	2	7	7	13	9	11	13	9	13	7	6	7
	Understorey	25	5	5	5	5	5	5	15	20	0	15	5	15	15	15	15
	Recruitment	10	5	5	5	5	0	0	10	0	0	5	5	5	6	6	6
	Organic Litter	5	4	0	5	4	3	3	5	0	3	3	3	3	3	5	3
	Logs	5	0	0	2	0	0	0	0	N/A	0	2	5	2	N/A	0	N/A
	Total Site Score	75	27	12	30	29	15	15	45	29	17	47	38	47	31	39	31
Standardiser		-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.36	N/A	N/A	N/A	N/A	1.36	N/A	1.36
Standardised Site Score		-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	39.44	N/A	N/A	N/A	N/A	42.16	N/A	42.16
Landscape Context	Patch Size	10	8	8	4	8	4	1	8	4	8	8	8	8	8	8	8
	Distance to Core Area	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	Neighbourhood	10	5	5	1	5	1	1	3	1	4	3	4	3	4	5	5
	Total Landscape Score	25	17	17	9	17	9	6	15	9	16	15	16	15	16	17	17
Habitat Score		100	44	29	39	46	24	21	60	48	33	62	54	62	58	56	59
Habitat Points = Score/100		1	0.44	0.29	0.39	0.46	0.24	0.21	0.60	0.48	0.33	0.62	0.54	0.62	0.58	0.56	0.59
Total area of Habitat Zone (ha)			0.225	0.006	0.444	0.924	0.004	0.001	0.226	0.043	0.007	0.744	0.130	0.398	0.109	0.632	0.031
Habitat Hectares (Hha)			0.099	0.002	0.1731	0.425	0.001	0.0002	0.135	0.021	0.002	0.461	0.070	0.247	0.063	0.354	0.019

\*Modelled native vegetation condition score was used or scores of adjacent patches were used where access was not available or where only desktop assessments were completed as part of the May 2021 updates to project areas as stated in Section 2.5.

Habitat Zone		HZ 56	HZ 57	HZ 58	HZ 59*	HZ 60	HZ 61	HZ 62	HZ 63	HZ 64	HZ 65	HZ 66	HZ 67	HZ 68	HZ 69	HZ 70	
EVC		Grassy Woodland (175_61)	Plains Woodland (803)	Valley Grassy Forest (47)	Plains Woodland (803)	Plains Woodland (803)	Spike-sedge Wetland (819)	Plains Woodland (803)	Plains Woodland (803)	Plains Woodland (803)	Tall Marsh (821)	Grassy Woodland (Low Rises) (175_61)	Plains Woodland (803)	Plains Woodland (803)	Riverine Swampy Woodland (815)	Riverine Swampy Woodland (815)	
Bioregion		Central Victorian Uplands	Victorian Riverina	Central Victorian Uplands	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Northern Inland Slopes	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	
Bioregional Conservation Status (BCS)		E	E	V	E	E	V	E	E	E	D	E	E	E	V	V	
EPBC Community		N/A	N/A	N/A	GBGW	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
FFG Community		N/A	N/A	N/A	VTWBC	VTWBC	N/A	VTWBC	VTWBC	VTWBC	N/A	N/A	N/A	N/A	N/A	N/A	
Site Condition	Large Old Trees	10	0	0	2	7	7	N/A	7	7	6	N/A	0	0	0	9	9
	Tree Canopy Cover	5	0	0	2	2	2	N/A	2	4	2	N/A	0	0	5	2	4
	Lack of Weeds	15	9	9	6	9	9	9	9	9	9	7	15	9	9	7	0
	Understorey	25	10	5	15	15	15	15	15	10	15	15	5	5	10	0	5
	Recruitment	10	3	0	5	6	6	6	6	3	6	6	0	0	6	0	6
	Organic Litter	5	3	3	5	5	5	3	5	5	5	3	3	2	3	5	3
	Logs	5	0	0	0	0	0	N/A	0	0	0	N/A	0	0	0	0	0
	Total Site Score	75	25	17	35	44	44	33	44	38	43	31	23	16	33	23	27
Standardiser		-	N/A	N/A	N/A	N/A	N/A	1.36	N/A	N/A	N/A	1.36	N/A	N/A	N/A	N/A	N/A
Standardised Site Score		-	N/A	N/A	N/A	N/A	N/A	44.88	N/A	N/A	N/A	42.16	N/A	N/A	N/A	N/A	N/A
Landscape Context	Patch Size	10	8	8	8	1	8	8	8	8	8	8	8	1	8	8	8
	Distance to Core Area	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	Neighbourhood	10	6	5	5	2	2	2	3	2	2	2	2	1	0	1	2
	Total Landscape Score	25	18	17	17	7	14	14	15	14	14	14	14	6	12	13	14
Habitat Score		100	43	34	52	51	58	59	59	52	57	56	37	22	45	36	41
Habitat Points = Score/100		1	0.43	0.34	0.52	0.51	0.58	0.59	0.59	0.52	0.57	0.56	0.37	0.22	0.45	0.36	0.41
Total area of Habitat Zone (ha)			0.072	1.069	0.261	2.152	0.258	0.053	0.117	0.919	0.124	0.091	0.007	0.008	0.068	0.084	0.433
Habitat Hectares (Hha)			0.031	0.363	0.1357	1.097	0.150	0.031	0.069	0.478	0.071	0.051	0.002	0.002	0.030	0.030	0.178

\*Modelled native vegetation condition score was used or scores of adjacent patches were used where access was not available or where only desktop assessments were completed as part of the May 2021 updates to project areas as stated in Section 2.5.

Habitat Zone		HZ 71	HZ 74	HZ 76	HZ 83	HZ 85	HZ 92	HZ 94	HZ 95	HZ 96	HZ 97	HZ 98	HZ 99	HZ 100	HZ 101	HZ 105	
EVC		Valley Grassy Forest (47)	Creepline Grassy Woodland (68)	Box Ironbark Forest (61)	Plains Woodland (803)	Plains Woodland (803)	Plains Woodland (803)	Plains Woodland (803)	Plains Woodland (803)	Plains Woodland (803)	Plains Woodland (803)	Plains Woodland (803)	Plains Woodland (803)	Plains Woodland (803)	Plains Woodland (803)	Floodplain Riparian Woodland (56)	
Bioregion		Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	
Bioregional Conservation Status (BCS)		V	E	V	E	E	E	E	E	E	E	E	E	E	E	V	
EPBC Community		N/A	N/A	N/A	N/A	N/A	N/A	N/A	GBGW	N/A	N/A	N/A	N/A	N/A	WBYBBRGGW	N/A	
FFG Community		N/A	N/A	VTWBC	VTWBC	N/A	VTWBC	VTWBC	VTWBC	VTWBC	VTWBC	VTWBC	VTWBC	VTWBC	VTWBC	N/A	
Site Condition	Large Old Trees	10	0	9	9	3	0	10	0	6	9	9	9	9	0	10	9
	Tree Canopy Cover	5	2	2	4	2	0	3	5	3	0	2	4	4	0	5	4
	Lack of Weeds	15	2	0	7	9	6	9	6	9	9	9	9	9	13	7	0
	Understorey	25	5	5	15	5	5	15	5	20	5	15	15	15	15	15	5
	Recruitment	10	5	0	10	6	6	10	5	10	0	6	10	10	5	5	5
	Organic Litter	5	3	2	3	3	3	3	3	3	5	5	3	3	5	3	3
	Logs	5	0	0	0	0	0	3	0	3	0	5	5	5	0	0	0
	Total Site Score	75	17	18	48	28	20	53	24	54	28	51	55	55	38	45	26
Standardiser		-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Standardised Site Score		-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Landscape Context	Patch Size	10	8	1	8	8	8	8	8	8	8	8	8	8	8	8	1
	Distance to Core Area	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	Neighbourhood	10	3	0	3	3	3	3	3	3	3	3	2	1	2	3	1
	Total Landscape Score	25	15	5	15	15	15	15	15	15	15	15	14	13	14	15	6
Habitat Score		100	32	23	63	43	35	68	39	69	43	66	69	68	52	60	32
Habitat Points = Score/100		1	0.32	0.23	0.63	0.43	0.35	0.68	0.39	0.69	0.43	0.66	0.69	0.68	0.52	0.60	0.32
Total area of Habitat Zone (ha)			0.230	0.046	1.684	0.210	0.033	0.126	0.011	0.152	0.043	0.077	0.050	0.044	0.028	0.194	0.025
Habitat Hectares (Hha)			0.074	0.011	1.0609	0.090	0.011	0.086	0.004	0.105	0.018	0.051	0.035	0.030	0.015	0.116	0.008

\*Modelled native vegetation condition score was used or scores of adjacent patches were used where access was not available or where only desktop assessments were completed as part of the May 2021 updates to project areas as stated in Section 2.5.

Habitat Zone		HZ 107	HZ 109	HZ 110	HZ 111	HZ 112	HZ 114	HZ 115	HZ 116	HZ 117	HZ 120	HZ 122	HZ 128	HZ 130	HZ 131	HZ 132	
EVC		Plains Woodland (803)	Plains Grassy Woodland (55_61)	Plains Grassy Woodland (55_61)	Plains Woodland (803)	Plains Woodland (803)	Plains Grassy Woodland (55_61)	Plains Grassy Woodland (55_61)	Spike-sedge Wetland (819)	Plains Grassy Woodland (55_61)	Plains Woodland (803)	Plains Woodland (803)	Plains Woodland (803)	Plains Grassy Woodland (55_61)	Plains Grassy Woodland (55_61)	Tall Marsh (821)	
Bioregion		Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	
Bioregional Conservation Status (BCS)		E	E	E	E	E	E	E	V	E	E	E	E	E	E	D	
EPBC Community		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
FFG Community		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Site Condition	Large Old Trees	10	0	0	0	0	0	0	0	N/A	0	5	9	0	0	0	N/A
	Tree Canopy Cover	5	0	0	0	0	0	0	0	N/A	0	4	4	0	0	0	N/A
	Lack of Weeds	15	9	0	0	9	6	9	9	13	9	4	4	4	7	6	13
	Understorey	25	5	5	5	5	5	10	5	15	5	0	0	5	5	5	5
	Recruitment	10	5	5	5	0	0	5	5	6	5	5	0	0	5	5	0
	Organic Litter	5	3	3	3	5	5	5	5	0	5	5	5	3	5	5	5
	Logs	5	0	0	0	0	0	4	4	N/A	4	0	0	0	2	0	N/A
	Total Site Score	75	22	13	13	19	16	33	28	34	28	23	22	12	24	21	23
Standardiser		-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.36	N/A	N/A	N/A	N/A	N/A	N/A	1.36
Standardised Site Score		-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	46.24	N/A	N/A	N/A	N/A	N/A	N/A	31.28
Landscape Context	Patch Size	10	8	1	1	8	8	8	8	8	8	8	1	8	6	6	2
	Distance to Core Area	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	Neighbourhood	10	1	2	3	3	3	3	3	3	3	1	0	1	2	2	2
	Total Landscape Score	25	13	7	8	15	15	15	15	15	15	13	5	13	12	12	8
Habitat Score		100	35	20	21	34	31	48	43	61	43	36	27	25	36	33	39
Habitat Points = Score/100		1	0.35	0.20	0.21	0.34	0.31	0.48	0.43	0.61	0.43	0.36	0.27	0.25	0.36	0.33	0.39
Total area of Habitat Zone (ha)			0.021	0.021	0.035	0.022	0.023	0.072	0.100	0.017	0.014	0.134	0.090	0.882	0.136	0.107	0.149
Habitat Hectares (Hha)			0.007	0.004	0.0074	0.007	0.007	0.035	0.043	0.011	0.006	0.048	0.024	0.220	0.049	0.035	0.059

\*Modelled native vegetation condition score was used or scores of adjacent patches were used where access was not available or where only desktop assessments were completed as part of the May 2021 updates to project areas as stated in Section 2.5.

Habitat Zone		HZ 134	HZ 135	HZ 136	HZ 137	HZ 139	HZ 140	HZ 141	HZ 142	HZ 143	HZ 144	HZ 146	HZ 147	HZ 148	HZ 149	
EVC		Plains Grassy Woodland (55_61)	Tall Marsh (821)	Plains Grassy Woodland (55_61)	Plains Grassy Woodland (55_61)	Plains Grassy Woodland (55_61)	Plains Grassy Woodland (55_61)	Plains Woodland (803)	Plains Woodland (803)	Plains Woodland (803)	Grassy Woodland (Low Rises) (175_61)	Plains Woodland (803)	Grassy Woodland (Low Rises) (175_61)	Box Ironbark Forest (61)	Grassy Woodland (Low Rises) (175_61)	
Bioregion		Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Northern Inland Slopes	Northern Inland Slopes	Northern Inland Slopes	Northern Inland Slopes	Victorian Riverina	Northern Inland Slopes	Victorian Riverina	Northern Inland Slopes	
Bioregional Conservation Status (BCS)		E	D	E	E	E	E	E	E	E	E	E	E	V	E	
EPBC Community		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	GBGW	N/A	N/A	N/A	WBYBBRGGW	WBYBBRGGW	
FFG Community		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	VTWBC	N/A	N/A	N/A	VTWBC	VTWBC	
Site Condition	Large Old Trees	10	0	N/A	0	0	0	6	0	0	3	3	0	0	0	10
	Tree Canopy Cover	5	0	N/A	0	0	0	5	0	0	5	2	0	5	5	5
	Lack of Weeds	15	0	13	0	0	9	0	13	13	13	9	13	9	13	9
	Understorey	25	5	5	5	5	5	5	5	5	15	15	5	5	20	15
	Recruitment	10	0	0	0	0	5	5	0	0	10	5	0	5	6	3
	Organic Litter	5	3	5	3	3	5	5	3	3	3	3	3	3	3	3
	Logs	5	4	N/A	4	4	0	0	0	0	2	0	0	2	0	0
	Total Site Score	75	12	23	12	12	24	26	21	21	51	37	21	29	47	45
Standardiser		-	N/A	1.36	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Standardised Site Score		-	N/A	31.28	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Landscape Context	Patch Size	10	6	2	6	6	8	8	8	8	8	8	8	8	8	8
	Distance to Core Area	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	Neighbourhood	10	2	2	2	2	3	3	4	4	4	4	3	3	4	2
	Total Landscape Score	25	12	8	12	12	15	15	16	16	16	16	15	15	16	14
Habitat Score		100	24	39	24	24	39	41	37	37	67	53	36	44	63	59
Habitat Points = Score/100		1	0.24	0.39	0.24	0.24	0.39	0.41	0.37	0.37	0.67	0.53	0.36	0.44	0.63	0.59
Total area of Habitat Zone (ha)			0.012	0.089	0.014	0.002	0.015	0.109	0.237	0.576	1.035	1.568	0.054	0.153	0.067	0.170
Habitat Hectares (Hha)			0.003	0.035	0.003	0.001	0.006	0.045	0.088	0.213	0.693	0.831	0.020	0.067	0.042	0.100

\*Modelled native vegetation condition score was used or scores of adjacent patches were used where access was not available or where only desktop assessments were completed as part of the May 2021 updates to project areas as stated in Section 2.5.

Habitat Zone		HZ 150*	HZ 151	HZ 152	HZ 153	HZ 154	HZ 155	HZ 156	HZ 157	HZ 158	HZ 159*	HZ 160	HZ 161	HZ 162	HZ 163	HZ 164	
EVC		Grassy Woodland (Low Rises) (175_61)	Grassy Woodland (Low Rises) (175_61)	Grassy Woodland (Low Rises) (175_61)	Grassy Woodland (Low Rises) (175_61)	Grassy Woodland (Low Rises) (175_61)	Grassy Woodland (Low Rises) (175_61)	Plains Grassy Woodland (55_61)	Grassy Woodland (Low Rises) (175_61)	Grassy Woodland (Low Rises) (175_61)	Grassy Woodland (Low Rises) (175_61)	Floodplain Riparian Woodland (56)	Plains Woodland (803)	Floodplain Riparian Woodland (56)	Plains Woodland (803)	Plains Woodland (803)	
Bioregion		Northern Inland Slopes	Northern Inland Slopes	Northern Inland Slopes	Northern Inland Slopes	Northern Inland Slopes	Northern Inland Slopes	Victorian Riverina	Northern Inland Slopes	Northern Inland Slopes	Northern Inland Slopes	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	
Bioregional Conservation Status (BCS)		E	E	E	E	E	E	E	E	E	E	V	E	V	E	E	
EPBC Community		WBYBBRGGW	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
FFG Community		VTWBC	VTWBC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	VTWBC	VTWBC	N/A	N/A	N/A	N/A	
Site Condition	Large Old Trees	10	10	10	0	0	10	0	0	9	0	6	4	5	4	0	0
	Tree Canopy Cover	5	5	5	0	0	5	0	3	2	0	3	3	2	3	0	0
	Lack of Weeds	15	9	9	9	9	7	4	7	11	4	9	6	2	6	9	9
	Understorey	25	15	15	10	10	5	5	5	5	5	15	15	5	15	5	5
	Recruitment	10	3	3	6	6	5	5	5	0	5	5	5	10	5	0	0
	Organic Litter	5	3	3	3	3	3	0	3	5	3	3	3	5	3	3	3
	Logs	5	0	0	0	0	0	0	2	0	0	2	2	5	2	0	0
	Total Site Score	75	45	45	28	28	35	14	25	32	17	43	38	34	38	17	17
Standardiser		-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Standardised Site Score		-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Landscape Context	Patch Size	10	8	8	8	1	1	8	1	1	8	8	8	8	8	8	
	Distance to Core Area	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
	Neighbourhood	10	3	3	3	1	1	3	0	1	3	3	3	3	4	3	2
	Total Landscape Score	25	15	15	15	6	6	15	5	6	15	15	15	15	16	15	14
Habitat Score		100	60	60	43	34	41	29	30	38	32	58	53	49	54	32	31
Habitat Points = Score/100		1	0.60	0.60	0.43	0.34	0.41	0.29	0.30	0.38	0.32	0.58	0.53	0.49	0.54	0.32	0.31
Total area of Habitat Zone (ha)			0.363	0.255	0.117	0.087	0.033	0.019	0.043	0.046	0.044	0.459	0.480	0.097	0.467	0.178	0.063
Habitat Hectares (Hha)			0.218	0.153	0.050	0.0297	0.014	0.006	0.013	0.017	0.014	0.266	0.255	0.047	0.252	0.057	0.020

\*Modelled native vegetation condition score was used or scores of adjacent patches were used where access was not available or where only desktop assessments were completed as part of the May 2021 updates to project areas as stated in Section 2.5.

Habitat Zone		HZ 166	HZ 167	HZ 168	HZ 169	HZ 170	HZ 172	HZ 173	HZ 174	HZ 176	HZ 178	HZ 182	HZ 183	HZ 184	HZ 185	HZ 186	
EVC		Plains Woodland (803)	Plains Woodland (803)	Spike-sedge Wetland (819)	Plains Grassy Woodland (55_61)	Plains Grassy Woodland (55_61)	Creekline Grassy Woodland (68)	Creekline Grassy Woodland (68)	Grassy Woodland (Low Rises) (175_61)	Alluvial Terraces Herb-rich Woodland (67)	Alluvial Terraces Herb-rich Woodland (67)	Grassy Woodland (Low Rises) (175_61)	Alluvial Terraces Herb-rich Woodland (67)	Alluvial Terraces Herb-rich Woodland (67)	Valley Grassy Forest (47)	Grassy Woodland (Low Rises) (175_61)	
Bioregion		Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Northern Inland Slopes	Northern Inland Slopes	Northern Inland Slopes	Northern Inland Slopes	Victorian Riverina	Victorian Riverina	Northern Inland Slopes	Northern Inland Slopes	
Bioregional Conservation Status (BCS)		E	E	V	E	E	E	E	E	E	E	E	V	V	E	E	
EPBC Community		N/A	N/A	N/A	N/A	N/A	N/A	WBYBBRGGW	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
FFG Community		N/A	N/A	N/A	N/A	N/A	N/A	VTWBC	N/A	N/A	N/A	VTWBC	N/A	N/A	N/A	VTWBC	
Site Condition	Large Old Trees	10	0	0	N/A	0	0	0	0	0	0	0	9	10	0	5	0
	Tree Canopy Cover	5	0	3	N/A	3	0	0	3	0	0	0	2	3	3	4	2
	Lack of Weeds	15	4	9	6	4	4	7	7	0	7	7	7	4	7	4	7
	Understorey	25	5	15	15	5	5	5	5	5	15	15	15	5	5	5	15
	Recruitment	10	0	5	3	0	0	5	5	5	3	3	6	0	0	3	6
	Organic Litter	5	3	5	3	0	3	5	5	0	5	5	3	3	5	5	3
	Logs	5	0	4	N/A	0	0	0	0	0	0	0	0	2	0	0	0
	Total Site Score	75	12	41	27	12	12	22	25	10	30	30	44	25	20	26	33
Standardiser		-	N/A	N/A	1.36	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Standardised Site Score		-	N/A	N/A	36.72	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Landscape Context	Patch Size	10	8	1	8	8	8	8	8	8	8	1	8	1	8	8	8
	Distance to Core Area	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	Neighbourhood	10	3	0	1	3	3	4	4	5	6	6	7	2	3	3	7
	Total Landscape Score	25	15	5	13	15	15	16	16	17	18	11	19	7	15	15	19
Habitat Score		100	27	46	50	27	27	38	41	27	48	41	63	32	35	41	52
Habitat Points = Score/100		1	0.27	0.46	0.50	0.27	0.27	0.38	0.41	0.27	0.48	0.41	0.63	0.32	0.35	0.41	0.52
Total area of Habitat Zone (ha)			0.128	0.158	0.376	0.019	0.037	0.101	0.203	0.028	0.049	0.032	0.156	0.048	0.010	1.175	0.526
Habitat Hectares (Hha)			0.035	0.073	0.187	0.0050	0.010	0.039	0.083	0.008	0.023	0.013	0.098	0.015	0.004	0.482	0.274

\*Modelled native vegetation condition score was used or scores of adjacent patches were used where access was not available or where only desktop assessments were completed as part of the May 2021 updates to project areas as stated in Section 2.5.

Habitat Zone		HZ 187	HZ 188*	HZ 189	HZ 190	HZ 191	HZ 192	HZ 193	HZ 194	HZ 195	HZ 196	HZ 197	HZ 204	HZ 205	
EVC		Grassy Woodland (Low Rises) (175_61)	Grassy Woodland (Low Rises) (175_61)	Grassy Woodland (Low Rises) (175_61)	Alluvial Terraces Herb-rich Woodland (67)	Plains Grassy Woodland (55_61)	Plains Woodland (803)	Plains Woodland (803)	Box Ironbark Forest (61)	Plains Woodland (803)	Plains Grassy Woodland (55)	Grassy Woodland (Low Rises) (175_61)	Floodplain Riparian Woodland (56)	Floodplain Riparian Woodland (56)	
Bioregion		Northern Inland Slopes	Northern Inland Slopes	Northern Inland Slopes	Northern Inland Slopes	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Central Victorian Uplands	Victorian Riverina	Victorian Riverina	Victorian Riverina	
Bioregional Conservation Status (BCS)		E	E	E	E	E	E	E	V	E	E	E	V	V	
EPBC Community		WBYBBRGGW	WBYBBRGGW	N/A	N/A	N/A	GBGW	N/A	WBYBBRGGW	N/A	N/A	WBYBBRGGW	N/A	N/A	
FFG Community		VTWBC	VTWBC	VTWBC	N/A	VTWBC	VTWBC	N/A	VTWBC	N/A	N/A	VTWBC	N/A	N/A	
Site Condition	Large Old Trees	10	0	6	0	0	0	6	0	0	10	0	9	2	9
	Tree Canopy Cover	5	3	3	3	0	0	3	0	5	3	4	4	4	4
	Lack of Weeds	15	13	13	13	0	0	9	13	13	9	9	11	11	13
	Understorey	25	15	15	15	10	5	15	5	20	15	5	5	5	0
	Recruitment	10	3	3	3	5	0	10	0	6	5	0	10	5	0
	Organic Litter	5	3	3	3	3	3	5	3	3	5	5	3	5	5
	Logs	5	2	2	2	0	4	0	0	0	2	0	5	0	0
	Total Site Score	75	39	45	39	18	12	48	21	47	49	23	47	32	31
Standardiser		-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Standardised Site Score		-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Landscape Context	Patch Size	10	8	8	8	8	6	8	8	8	8	8	8	8	8
	Distance to Core Area	5	4	4	4	4	4	4	4	4	4	4	4	4	4
	Neighbourhood	10	3	4	3	6	2	5	4	3	1	5	1	3	3
	Total Landscape Score	25	15	16	15	18	12	17	16	15	13	17	13	15	15
Habitat Score		100	54	61	54	36	24	65	37	62	62	40	60	47	46
Habitat Points = Score/100		1	0.54	0.61	0.54	0.36	0.24	0.65	0.37	0.62	0.62	0.4	0.6	0.47	0.46
Total area of Habitat Zone (ha)			0.464	0.921	0.446	0.480	0.0003	0.219	0.408	0.715	0.043	0.012	0.078	0.251	0.085
Habitat Hectares (Hha)			0.251	0.562	0.241	0.173	0.0001	0.143	0.151	0.444	0.027	0.005	0.047	0.118	0.039

\*Modelled native vegetation condition score was used or scores of adjacent patches were used where access was not available or where only desktop assessments were completed as part of the May 2021 updates to project areas as stated in Section 2.5.



Habitat Zone		HZ 206	HZ 207	HZ 208	HZ 209	HZ 216	HZ 222	HZ 227	HZ 228	HZ 229*	HZ 236	HZ 242	HZ 251	HZ 255	HZ 258	HZ 259	
EVC		Floodplain Riparian Woodland (56)	Floodplain Riparian Woodland (56)	Floodplain Riparian Woodland (56)	Grassy Woodland (175_61)	Plains Woodland (803)	Valley Grassy Forest (47)	Plains Woodland (803)	Riverine Swampy Woodland (815)	DELWP Mapped Wetland	Plains Grassy Woodland (55_61)	Creekline Grassy Woodland (68)	Grassy Woodland (175_61)	Grassy Woodland (175_61)	Plains Grassy Woodland (55)	Plains Grassy Woodland (55)	
Bioregion		Victorian Riverina	Victorian Riverina	Victorian Riverina	Central Victorian Uplands	Victorian Riverina	Central Victorian Uplands	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	
Bioregional Conservation Status (BCS)		V	V	V	E	E	V	E	V	ND	E	E	E	E	E	E	
EPBC Community		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
FFG Community		N/A	N/A	N/A	VTWBC	N/A	N/A	N/A	N/A	N/A	VTWBC	N/A	VTWBC	N/A	N/A	N/A	
Site Condition	Large Old Trees	10	8	2	9	2	0	9	10	9	N/A	6	10	6	0	0	0
	Tree Canopy Cover	5	5	2	4	2	0	2	3	2	N/A	5	5	5	0	0	0
	Lack of Weeds	15	11	9	13	13	7	0	9	7	N/A	4	9	6	9	0	0
	Understorey	25	5	5	0	15	5	15	15	0	N/A	5	15	5	15	5	5
	Recruitment	10	5	6	0	3	0	6	5	0	N/A	5	10	5	3	5	0
	Organic Litter	5	5	5	5	5	0	4	5	5	N/A	5	3	5	3	4	2
	Logs	5	2	0	0	0	0	0	2	0	N/A	2	0	0	0	0	0
	Total Site Score	75	41	29	31	40	12	36	49	23	N/A	32	52	32	30	14	7
Standardiser		-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Standardised Site Score		-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Landscape Context	Patch Size	10	2	1	8	8	1	8	8	8	N/A	6	2	1	1	1	1
	Distance to Core Area	5	4	4	4	4	4	4	4	4	N/A	3	1	3	1	3	3
	Neighbourhood	10	3	3	3	6	3	5	1	1	N/A	0	1	1	0	0	0
	Total Landscape Score	25	9	8	15	18	8	17	13	13	N/A	9	4	5	2	4	4
Habitat Score		100	50	37	46	58	20	53	62	36	N/A	41	56	37	32	18	11
Habitat Points = Score/100		1	0.5	0.37	0.46	0.58	0.2	0.53	0.62	0.36	0.8	0.41	0.56	0.37	0.32	0.18	0.11
Total area of Habitat Zone (ha)		0.345	1.269	0.078	3.474	0.087	1.684	0.103	0.270	28.934	0.972	0.829	0.128	0.142	0.008	0.082	
Habitat Hectares (Hha)		0.172	0.469	0.036	2.015	0.017	0.893	0.0641	0.097	23.147	0.398	0.464	0.047	0.046	0.001	0.009	

\*Modelled native vegetation condition score was used or scores of adjacent patches were used where access was not available or where only desktop assessments were completed as part of the May 2021 updates to project areas as stated in Section 2.5.

Habitat Zone			HZ 267	HZ 268	HZ 300	HZ 302	HZ 308	HZ 309	HZ 310	HZ 318	HZ 319	HZ 326	HZ 341	HZ 344	HZ 358	HZ 367	HZ 425	
EVC			Plains Grassy Woodland (55)	Grassy Woodland (175_61)	Plains Grassy Woodland (55)	Grassy Woodland (175_61)	Plains Woodland (803)	Plains Woodland (803)	Plains Woodland (803)	Grassy Woodland (175_61)	Grassy Woodland (175_61)	Plains Grassy Woodland (55_61)	Plains Grassy Woodland (55)	Creekline Grassy Woodland (68)	Plains Woodland (803)	Plains Grassy Woodland (55)	Swampy Riparian Woodland (83)	
Bioregion			Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Northern Inland Slopes	Northern Inland Slopes	Northern Inland Slopes	Central Victorian Uplands	Central Victorian Uplands	Victorian Riverina	Central Victorian Uplands	Victorian Riverina	Northern Inland Slopes	Central Victorian Uplands	Victorian Volcanic Plain	
Bioregional Conservation Status (BCS)			E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	
EPBC Community			N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	WBYBBRGGW	GBGW	N/A	
FFG Community			N/A	N/A	VTWBC	VTWBC	N/A	N/A	N/A	N/A	N/A	N/A	VTWBC	N/A	VTWBC	VTWBC	N/A	
Site Condition	Large Old Trees	10	0	4	8	8	0	0	0	0	8	0	3	10	0	3	0	
	Tree Canopy Cover	5	4	3	5	5	0	0	0	0	5	0	5	5	5	4	0	
	Lack of Weeds	15	0	0	0	0	0	13	13	9	0	9	2	0	4	9	0	
	Understorey	25	5	5	5	5	5	5	5	15	5	5	5	5	10	20	5	
	Recruitment	10	3	3	3	3	0	0	0	3	3	5	3	5	3	10	0	
	Organic Litter	5	5	4	5	5	2	2	2	3	5	3	3	3	4	3	3	4
	Logs	5	2	3	2	0	0	0	0	0	0	0	0	2	0	0	2	0
	Total Site Score	75	19	22	28	26	7	20	20	30	26	22	23	29	25	51	9	
Standardiser		-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Standardised Site Score		-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Landscape Context	Patch Size	10	6	6	1	4	1	1	1	1	4	1	4	2	4	8	1	
	Distance to Core Area	5	1	1	3	3	1	1	1	1	3	1	3	1	4	3	2	
	Neighbourhood	10	0	0	1	1	0	0	0	0	1	1	1	1	3	2	3	
	Total Landscape Score	25	7	7	5	8	2	2	2	2	8	3	8	4	11	13	6	
Habitat Score		100	26	29	33	34	9	22	22	32	34	25	31	33	36	64	15	
Habitat Points = Score/100		1	0.26	0.29	0.33	0.34	0.09	0.22	0.22	0.32	0.34	0.25	0.31	0.33	0.36	0.64	0.15	
Total area of Habitat Zone (ha)			0.251	0.144	0.314	0.493	0.008	0.157	0.144	0.039	0.139	0.024	0.907	0.081	0.321	5.130	0.022	
Habitat Hectares (Hha)			0.065	0.042	0.104	0.168	0.001	0.035	0.0316	0.013	0.047	0.006	0.281	0.027	0.116	3.284	0.003	

\*Modelled native vegetation condition score was used or scores of adjacent patches were used where access was not available or where only desktop assessments were completed as part of the May 2021 updates to project areas as stated in Section 2.5.

Habitat Zone		HZ 427*	HZ 428*	HZ 429*	HZ 430*	HZ 431*	HZ 432*	HZ 443	HZ 447	HZ 448	HZ 453	HZ 454*	HZ 455*	HZ 456	HZ 461*	HZ 462*
EVC		Plains Woodland (803)	Valley Heathy Forest (127)	Valley Heathy Forest (127)	Valley Grassy Forest (47)	Valley Grassy Forest (47)	Alluvial Terraces Herb-rich Woodland (67)	Plains Grassy Woodland (55)	Grassy Woodland (175_61)	Plains Woodland (803)	Plains Grassy Woodland (55)	Valley Grassy Forest (47)	Valley Grassy Forest (47)	Valley Grassy Forest (47)	Herb-rich Foothill Forest (23)	Herb-rich Foothill Forest (23)
Bioregion		Victorian Riverina	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Northern Inland Slopes	Central Victorian Uplands	Central Victorian Uplands	Victorian Riverina	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Northern Inland Slopes	Central Victorian Uplands	Central Victorian Uplands
Bioregional Conservation Status (BCS)		E	V	V	V	V	E	E	E	E	E	V	V	E	D	D
EPBC Community		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	GBGW	N/A	N/A	N/A	N/A	N/A
FFG Community		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	VTWBC	N/A	N/A	N/A	N/A	N/A
Site Condition	Large Old Trees	10	N/A	N/A	N/A	N/A	N/A	N/A	10	4	5	2	N/A	N/A	N/A	N/A
	Tree Canopy Cover	5	N/A	N/A	N/A	N/A	N/A	N/A	5	5	4	4	N/A	N/A	N/A	N/A
	Lack of Weeds	15	N/A	N/A	N/A	N/A	N/A	N/A	11	6	0	9	N/A	N/A	N/A	N/A
	Understorey	25	N/A	N/A	N/A	N/A	N/A	N/A	5	25	5	20	N/A	N/A	N/A	N/A
	Recruitment	10	N/A	N/A	N/A	N/A	N/A	N/A	0	10	5	10	N/A	N/A	N/A	N/A
	Organic Litter	5	N/A	N/A	N/A	N/A	N/A	N/A	3	3	3	2	N/A	N/A	N/A	N/A
	Logs	5	N/A	N/A	N/A	N/A	N/A	N/A	0	3	0	0	N/A	N/A	N/A	N/A
	Total Site Score	75	N/A	N/A	N/A	N/A	N/A	N/A	34	56	22	47	N/A	N/A	N/A	N/A
Standardiser		-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Standardised Site Score		-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Landscape Context	Patch Size	10	N/A	N/A	N/A	N/A	N/A	N/A	1	8	1	8	N/A	N/A	N/A	N/A
	Distance to Core Area	5	N/A	N/A	N/A	N/A	N/A	N/A	3	4	4	3	N/A	N/A	N/A	N/A
	Neighbourhood	10	N/A	N/A	N/A	N/A	N/A	N/A	0	4	3	2	N/A	N/A	N/A	N/A
	Total Landscape Score	25	N/A	N/A	N/A	N/A	N/A	N/A	4	16	8	13	N/A	N/A	N/A	N/A
Habitat Score		100	N/A	N/A	N/A	N/A	N/A	N/A	38	72	30	60	N/A	N/A	N/A	N/A
Habitat Points = Score/100		1	0.60	0.20	0.20	0.80	0.80	0.80	0.38	0.72	0.30	0.60	0.80	0.40	0.60	0.80
Total area of Habitat Zone (ha)		0.639	0.134	0.600	0.871	1.533	0.232	0.053	0.464	0.105	9.214	0.816	0.260	0.730	0.134	0.104
Habitat Hectares (Hha)		0.384	0.027	0.120	0.697	1.226	0.185	0.0201	0.334	0.032	5.529	0.653	0.104	0.438	0.081	0.083

\*Modelled native vegetation condition score was used or scores of adjacent patches were used where access was not available or where only desktop assessments were completed as part of the May 2021 updates to project areas as stated in Section 2.5.

Habitat Zone		HZ 463*	HZ 464*	HZ 465*	HZ 466*	HZ 467*	HZ 468*	HZ 469*	HZ 470*	HZ 471*	HZ 472*	HZ 473*	HZ 474*	HZ 475*	HZ 476*	HZ 477*	
EVC		Riparian Forest (18)	Plains Grassy Woodland (55)	Plains Grassy Woodland (55)	Plains Grassy Woodland (55)	Creekline Grassy Woodland (68)	Creekline Grassy Woodland (68)	Plains Grassy Woodland (55)	Plains Woodland (803)	Plains Woodland (803)	Plains Woodland (803)	Plains Woodland (803)	Plains Woodland (803)	Grassy Woodland (Low Rises) (175_61)	Grassy Woodland (Low Rises) (175_61)	Plains Woodland (803)	
Bioregion		Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	
Bioregional Conservation Status (BCS)		V	E	E	E	E	E	E	E	E	E	E	E	E	E	E	
EPBC Community		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
FFG Community		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Site Condition	Large Old Trees	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9	9	N/A
	Tree Canopy Cover	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2	2	N/A
	Lack of Weeds	15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	11	6	N/A
	Understorey	25	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	15	5	N/A
	Recruitment	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5	5	N/A
	Organic Litter	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3	3	N/A
	Logs	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5	5	N/A
	Total Site Score	75	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	50	35	N/A
Standardiser		-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Standardised Site Score		-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Landscape Context	Patch Size	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8	8	N/A
	Distance to Core Area	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4	4	N/A
	Neighbourhood	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4	4	N/A
	Total Landscape Score	25	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	16	16	N/A
Habitat Score		100	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	66	51	N/A
Habitat Points = Score/100		1	0.80	0.80	0.80	0.80	0.20	0.20	0.60	0.40	0.80	0.40	0.80	0.80	0.66	0.51	0.60
Total area of Habitat Zone (ha)			0.055	0.314	0.103	0.160	0.022	0.059	0.029	0.055	0.040	0.032	0.073	0.044	0.089	0.105	0.135
Habitat Hectares (Hha)			0.044	0.251	0.082	0.128	0.004	0.012	0.0172	0.022	0.032	0.013	0.059	0.035	0.059	0.054	0.081

\*Modelled native vegetation condition score was used or scores of adjacent patches were used where access was not available or where only desktop assessments were completed as part of the May 2021 updates to project areas as stated in Section 2.5.

Habitat Zone		HZ 478*	HZ 479*	HZ 480*	HZ 481*	HZ 482*	HZ 483*	HZ 484*	HZ 485*	HZ 486*	HZ 487*	HZ 488*	HZ 489*	HZ 490*	HZ 491*	HZ 492*	
EVC		Plains Woodland (803)	Plains Woodland (803)	Plains Grassy Woodland (55)	Plains Grassy Woodland (55)	Plains Grassy Woodland (55)	Plains Grassy Woodland (55)	Plains Woodland (803)	Box Ironbark Forest (61)	Box Ironbark Forest (61)	Box Ironbark Forest (61)	Grassy Woodland (175)	Grassy Woodland (175)	Grassy Woodland (175)	Grassy Woodland (175)	Grassy Woodland (175)	
Bioregion		Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Victorian Riverina	Northern Inland Slopes	Victorian Riverina	Victorian Riverina	Victorian Riverina	Northern Inland Slopes	Northern Inland Slopes	Northern Inland Slopes	Northern Inland Slopes	Northern Inland Slopes	
Bioregional Conservation Status (BCS)		E	E	E	E	E	E	E	V	V	V	E	E	E	E	E	
EPBC Community		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
FFG Community		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Site Condition	Large Old Trees	10	N/A	N/A	N/A	N/A	N/A	N/A	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	Tree Canopy Cover	5	N/A	N/A	N/A	N/A	N/A	N/A	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	Lack of Weeds	15	N/A	N/A	N/A	N/A	N/A	N/A	13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	Understorey	25	N/A	N/A	N/A	N/A	N/A	N/A	15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	Recruitment	10	N/A	N/A	N/A	N/A	N/A	N/A	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	Organic Litter	5	N/A	N/A	N/A	N/A	N/A	N/A	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	Logs	5	N/A	N/A	N/A	N/A	N/A	N/A	2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	Total Site Score	75	N/A	N/A	N/A	N/A	N/A	N/A	51	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Standardiser		-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Standardised Site Score		-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Landscape Context	Patch Size	10	N/A	N/A	N/A	N/A	N/A	N/A	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	Distance to Core Area	5	N/A	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	Neighbourhood	10	N/A	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	Total Landscape Score	25	N/A	N/A	N/A	N/A	N/A	N/A	16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Habitat Score		100	N/A	N/A	N/A	N/A	N/A	N/A	67	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Habitat Points = Score/100		1	0.80	0.60	0.80	0.60	0.60	0.60	0.67	0.80	0.80	0.80	0.80	0.80	0.80	0.80	
Total area of Habitat Zone (ha)			0.032	0.023	0.213	0.050	0.039	0.062	0.268	0.064	0.049	0.040	0.139	0.108	0.019	0.201	0.143
Habitat Hectares (Hha)			0.026	0.014	0.170	0.030	0.023	0.037	0.1795	0.051	0.039	0.032	0.111	0.086	0.016	0.161	0.114

\*Modelled native vegetation condition score was used or scores of adjacent patches were used where access was not available or where only desktop assessments were completed as part of the May 2021 updates to project areas as stated in Section 2.5.

Habitat Zone		HZ 493*	HZ 494*	HZ 495*	HZ 496*	HZ 497*	HZ 498*	HZ 499*	HZ 500*	HZ 501*	HZ 502*	HZ 503*	HZ 504*	HZ 505*	
EVC		Grassy Woodland (175)	Grassy Woodland (175)	Floodplain Riparian Woodland (56)	Grassy Woodland (Low Rises) (175_61)	Grassy Woodland (Low Rises) (175_61)	Grassy Woodland (175)	Valley Grassy Forest (47)	Creepline Grassy Woodland (68)	Plains Grassy Woodland (55)	Plains Grassy Woodland (55)	Plains Grassy Woodland (55)	Plains Grassy Woodland (55)	Plains Grassy Woodland (55)	
Bioregion		Northern Inland Slopes	Northern Inland Slopes	Victorian Riverina	Northern Inland Slopes	Northern Inland Slopes	Northern Inland Slopes	Northern Inland Slopes	Victorian Riverina	Central Victorian Uplands	Central Victorian Uplands	Central Victorian Uplands	Victorian Riverina	Victorian Riverina	
Bioregional Conservation Status (BCS)		E	E	V	E	E	E	E	E	E	E	E	E	E	
EPBC Community		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
FFG Community		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Site Condition	Large Old Trees	10	N/A	N/A	N/A	9	9	N/A	5	0	3	3	3	N/A	N/A
	Tree Canopy Cover	5	N/A	N/A	N/A	2	2	N/A	4	3	4	4	4	N/A	N/A
	Lack of Weeds	15	N/A	N/A	N/A	7	7	N/A	4	7	9	9	9	N/A	N/A
	Understorey	25	N/A	N/A	N/A	15	15	N/A	5	5	20	20	20	N/A	N/A
	Recruitment	10	N/A	N/A	N/A	6	6	N/A	3	5	10	10	10	N/A	N/A
	Organic Litter	5	N/A	N/A	N/A	3	3	N/A	5	5	3	3	3	N/A	N/A
	Logs	5	N/A	N/A	N/A	2	2	N/A	0	0	2	2	2	N/A	N/A
	Total Site Score	75	N/A	N/A	N/A	44	44	N/A	26	25	51	51	51	N/A	N/A
Standardiser		-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Standardised Site Score		-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Landscape Context	Patch Size	10	N/A	N/A	N/A	8	8	N/A	8	8	8	8	8	N/A	N/A
	Distance to Core Area	5	N/A	N/A	N/A	4	4	N/A	4	4	3	3	3	N/A	N/A
	Neighbourhood	10	N/A	N/A	N/A	7	7	N/A	3	4	2	2	2	N/A	N/A
	Total Landscape Score	25	N/A	N/A	N/A	19	19	N/A	15	16	13	13	13	N/A	N/A
Habitat Score		100	N/A	N/A	N/A	63	63	N/A	41	41	64	64	64	N/A	N/A
Habitat Points = Score/100		1	0.60	0.60	0.60	0.63	0.63	0.80	0.41	0.41	0.64	0.64	0.64	0.20	0.20
Total area of Habitat Zone (ha)			0.064	0.326	0.133	0.080	0.034	0.173	0.067	0.160	0.038	0.047	0.057	0.040	0.014
Habitat Hectares (Hha)			0.038	0.196	0.080	0.051	0.021	0.138	0.0274	0.066	0.024	0.030	0.036	0.008	0.003

\*Modelled native vegetation condition score was used or scores of adjacent patches were used where access was not available or where only desktop assessments were completed as part of the May 2021 updates to project areas as stated in Section 2.5.

# Appendix G

EnSym Report

# Scenario test – native vegetation removal

This report provides offset requirements for internal testing of different proposals to remove native vegetation. **This report DOES NOT support an application to remove, destroy or lop native vegetation under Clause 52.16 or 52.17 of planning schemes in Victoria.** A report must be obtained from the Department of Environment, Land, Water and Planning (DELWP).

Date of issue: 21/06/2021  
Time of issue: 9:48 pm

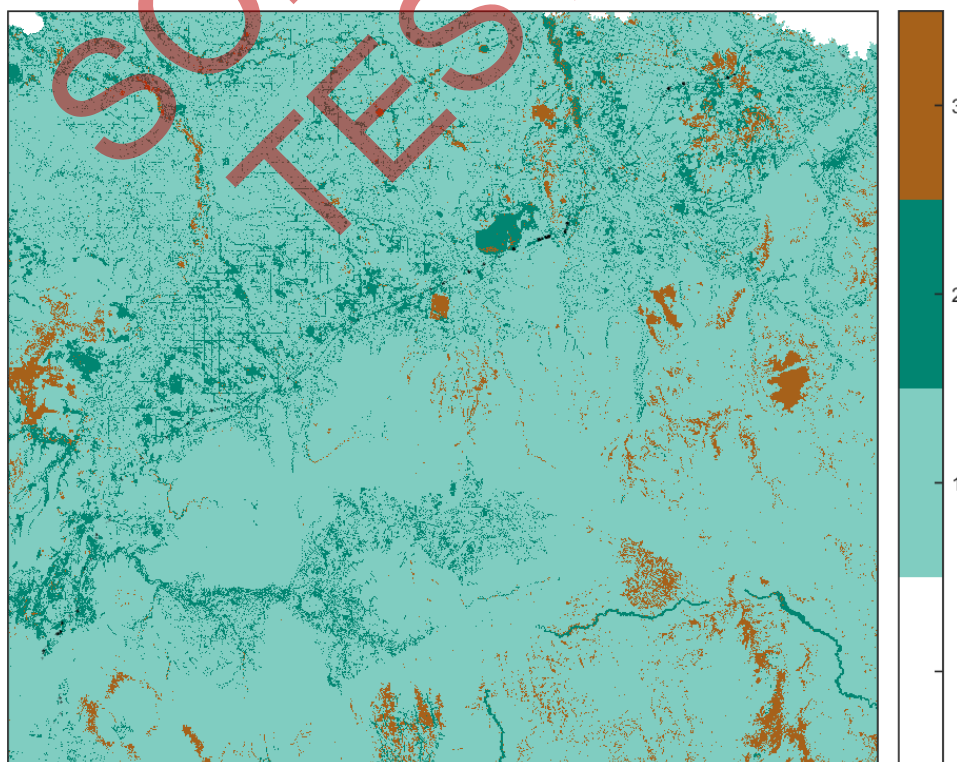
Report ID: Scenario Testing

Project ID	ENSYM_Powerlines_SC6_21June2021
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## Assessment pathway

Assessment pathway	Detailed Assessment Pathway
Extent including past and proposed	13.385 ha
Extent of past removal	0.000 ha
Extent of proposed removal	13.385 ha
No. Large trees proposed to be removed	65
Location category of proposed removal	Location 3 The native vegetation is in an area where the removal of less than 0.5 hectares could have a significant impact on habitat for one or more rare or threatened species. The native vegetation is also in an area mapped as an endangered Ecological Vegetation Class (as per the statewide EVC map).

### 1. Location map





# Scenario test – native vegetation removal

## Offset requirements if a permit is granted

Any approval granted will include a condition to obtain an offset that meets the following requirements:

<b>General offset amount<sup>1</sup></b>	6.737 general habitat units
Vicinity	Goulburn Broken, North East, Port Phillip and Westernport Catchment Management Authority (CMA) or Benalla Rural City, Indigo Shire, Mitchell Shire, Strathbogie Shire, Wangaratta Rural City, Wodonga City Council
Minimum strategic biodiversity value score <sup>2</sup>	0.500
Large trees	65 large trees

NB: values within tables in this document may not add to the totals shown above due to rounding

Appendix 1 includes information about the native vegetation to be removed

Appendix 2 includes information about the rare or threatened species mapped at the site.

Appendix 3 includes maps showing native vegetation to be removed and extracts of relevant species habitat importance maps

SCENARIO TESTING

<sup>1</sup> The general offset amount required is the sum of all general habitat units in Appendix 1.

<sup>2</sup> Minimum strategic biodiversity score is 80 per cent of the weighted average score across habitat zones where a general offset is required

# Scenario test – native vegetation removal

## Next steps

Any proposal to remove native vegetation must meet the application requirements of the Detailed Assessment Pathway and it will be assessed under the Detailed Assessment Pathway.

**This report DOES NOT support an application to remove, destroy or lop native vegetation under Clause 52.16 or 52.17 of planning schemes in Victoria.**

If you wish to remove the mapped native vegetation you must submit the related shapefiles to the Department of Environment, Land, Water and Planning (DELWP) for processing, by email to [ensymnvrtool.support@delwp.vic.gov.au](mailto:ensymnvrtool.support@delwp.vic.gov.au). DELWP will provide a *Native vegetation removal report* that is required to meet the permit application requirements in accordance with *Guidelines for the removal, destruction or lopping of native vegetation* (Guidelines).

SCENARIO  
TESTING

## Appendix 1: Description of native vegetation to be removed

The species-general offset test was applied to your proposal. This test determines if the proposed removal of native vegetation has a proportional impact on any rare or threatened species habitats above the species offset threshold. The threshold is set at 0.005 per cent of the mapped habitat value for a species. When the proportional impact is above the species offset threshold a species offset is required. This test is done for all species mapped at the site. Multiple species offsets will be required if the species offset threshold is exceeded for multiple species.

Where a zone requires species offset(s), the species habitat units for each species in that zone is calculated by the following equation in accordance with the Guidelines:

$$\text{Species habitat units} = \text{extent} \times \text{condition} \times \text{species landscape factor} \times 2, \text{ where the species landscape factor} = 0.5 + (\text{habitat importance score}/2)$$

The species offset amount(s) required is the sum of all species habitat units per zone

Where a zone does not require a species offset, the general habitat units in that zone is calculated by the following equation in accordance with the Guidelines:

$$\text{General habitat units} = \text{extent} \times \text{condition} \times \text{general landscape factor} \times 1.5, \text{ where the general landscape factor} = 0.5 + (\text{strategic biodiversity value score}/2)$$

The general offset amount required is the sum of all general habitat units per zone.

### Native vegetation to be removed

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
1-HZ 7	Patch	cvu_0175_61	Endangered	0	no	0.590	0.015	0.015	0.640		0.011	General
2-HZ 7	Patch	cvu_0175_61	Endangered	0	no	0.590	0.001	0.001	0.640		0.001	General
3-HZ 7	Patch	cvu_0175_61	Endangered	0	no	0.590	0.000	0.000	0.640		0.000	General
4-HZ 7	Patch	cvu_0175_61	Endangered	0	no	0.590	0.002	0.002	0.640		0.001	General
5-HZ 10	Patch	cvu_0175_61	Endangered	0	no	0.600	0.009	0.009	0.640		0.007	General
6-HZ 11	Patch	vvp_0821	Depleted	0	no	0.150	0.002	0.002	0.370		0.000	General
7-HZ 12	Patch	vvp_0821	Depleted	0	no	0.150	0.002	0.002	0.370		0.000	General

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
8-HZ 14	Patch	cvu_0055	Endangered	0	no	0.370	0.017	0.017	0.630		0.008	General
9-HZ 15	Patch	cvu_0018	Vulnerable	0	no	0.240	0.011	0.011	0.650		0.003	General
10-HZ 18	Patch	cvu_0047	Vulnerable	0	no	0.380	0.034	0.034	0.630		0.016	General
11-HZ 19	Patch	cvu_0127	Vulnerable	0	no	0.450	0.011	0.011	0.530		0.006	General
12-HZ 20	Patch	cvu_0127	Vulnerable	0	no	0.420	0.043	0.043	0.521		0.020	General
13-HZ 21	Patch	cvu_0127	Vulnerable	0	no	0.520	0.007	0.007	0.520		0.004	General
14-HZ 22	Patch	cvu_0127	Vulnerable	0	no	0.340	0.004	0.004	0.200		0.001	General
15-HZ 22	Patch	cvu_0127	Vulnerable	0	no	0.340	0.000	0.000	0.200		0.000	General
16-HZ 22	Patch	cvu_0127	Vulnerable	0	no	0.340	0.015	0.015	0.200		0.005	General
17-HZ 23	Patch	cvu_0175_61	Endangered	0	no	0.680	0.063	0.063	0.620		0.052	General
18-HZ 23	Patch	cvu_0175_61	Endangered	0	no	0.680	0.000	0.000	0.630		0.000	General

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
19-HZ 23	Patch	cvu_0175_61	Endangered	0	no	0.680	0.055	0.055	0.620		0.046	General
20-HZ 24	Patch	cvu_0175_61	Endangered	0	no	0.370	0.006	0.006	0.740		0.003	General
21-HZ 25	Patch	cvu_0055	Endangered	0	no	0.390	0.002	0.002	0.680		0.001	General
22-HZ 28	Patch	cvu_0055	Endangered	0	no	0.530	0.016	0.016	0.510		0.010	General
23-HZ 29	Patch	cvu_0175_61	Endangered	0	no	0.300	0.004	0.004	0.230		0.001	General
24-HZ 30	Patch	cvu_0175_61	Endangered	0	no	0.520	0.013	0.013	0.230		0.006	General
25-HZ 32	Patch	vvp_0018	Vulnerable	0	no	0.130	0.026	0.026	0.700		0.004	General
26-HZ 33	Patch	vriv0175_61	Endangered	1	no	0.610	0.019	0.019	0.980		0.017	General
27-HZ 33	Patch	vriv0175_61	Endangered	0	no	0.610	0.014	0.014	0.980		0.013	General
28-HZ 34	Patch	vriv0175_61	Endangered	0	no	0.600	0.031	0.031	0.980		0.028	General

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
29-HZ 35	Patch	vriv0175_61	Endangered	0	no	0.610	0.030	0.030	0.980		0.027	General
30-HZ 36	Patch	cvu_0018	Vulnerable	0	no	0.600	0.012	0.012	0.630		0.009	General
31-HZ 36	Patch	cvu_0018	Vulnerable	0	no	0.600	0.009	0.009	0.630		0.007	General
32-HZ 37	Patch	vriv0175_61	Endangered	1	no	0.510	0.012	0.012	0.737		0.008	General
34-HZ 38	Patch	vriv0175_61	Endangered	0	no	0.660	0.005	0.005	0.990		0.005	General
36-HZ 39	Patch	vriv0175_61	Endangered	1	no	0.610	0.045	0.045	0.980		0.041	General
37-HZ 40	Patch	cvu_0047	Vulnerable	2	no	0.440	0.059	0.059	0.635		0.032	General
38-HZ 41	Patch	cvu_0047	Vulnerable	0	no	0.290	0.006	0.006	0.620		0.002	General
39-HZ 42	Patch	vriv0803	Endangered	4	no	0.390	0.115	0.115	0.470		0.049	General
40-HZ 43	Patch	cvu_0047	Vulnerable	3	no	0.460	0.333	0.333	0.620		0.186	General

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
41-HZ 44	Patch	vriv0803	Endangered	0	no	0.240	0.003	0.003	0.470		0.001	General
42-HZ 46	Patch	vriv0803	Endangered	0	no	0.600	0.031	0.031	0.930		0.027	General
43-HZ 46	Patch	vriv0803	Endangered	0	no	0.600	0.000	0.000	0.930		0.000	General
44-HZ 47	Patch	vriv0819	Vulnerable	0	no	0.480	0.005	0.005	0.470		0.003	General
45-HZ 47	Patch	vriv0819	Vulnerable	0	no	0.480	0.037	0.037	0.470		0.020	General
46-HZ 49	Patch	vriv0803	Endangered	0	no	0.620	0.043	0.043	0.957		0.039	General
47-HZ 49	Patch	vriv0803	Endangered	0	no	0.620	0.011	0.011	0.960		0.010	General
48-HZ 50	Patch	vriv0803	Endangered	1	no	0.540	0.030	0.030	0.950		0.023	General
49-HZ 51	Patch	vriv0803	Endangered	0	no	0.620	0.007	0.007	0.930		0.007	General
50-HZ 51	Patch	vriv0803	Endangered	0	no	0.620	0.005	0.005	0.960		0.004	General

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
51-HZ 51	Patch	vriv0803	Endangered	0	no	0.620	0.001	0.001	0.960		0.001	General
52-HZ 51	Patch	vriv0803	Endangered	0	no	0.620	0.009	0.009	0.960		0.008	General
53-HZ 53	Patch	vriv0821	Depleted	0	no	0.580	0.097	0.097	0.650		0.069	General
54-HZ 54	Patch	vriv0803	Endangered	3	no	0.560	0.385	0.385	0.527		0.247	General
55-HZ 54	Patch	vriv0803	Endangered	0	no	0.560	0.002	0.002	0.650		0.001	General
56-HZ 55	Patch	vriv0821	Depleted	0	no	0.590	0.027	0.027	0.660		0.020	General
57-HZ 56	Patch	cvu_0175_61	Endangered	0	no	0.430	0.021	0.021	0.590		0.011	General
58-HZ 57	Patch	vriv0803	Endangered	0	no	0.340	1.069	1.069	0.677		0.457	General
59-HZ 58	Patch	cvu_0047	Vulnerable	0	no	0.520	0.055	0.055	0.560		0.033	General
60-HZ 59	Patch	vriv0803	Endangered	0	no	0.510	0.165	0.165	0.571		0.099	General



Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
61-HZ 59	Patch	vriv0803	Endangered	0	no	0.510	0.001	0.001	0.780		0.001	General
62-HZ 59	Patch	vriv0803	Endangered	0	no	0.510	0.000	0.000	0.780		0.000	General
63-HZ 59	Patch	vriv0803	Endangered	0	no	0.510	0.015	0.015	0.210		0.007	General
64-HZ 59	Patch	vriv0803	Endangered	0	no	0.510	0.005	0.005	0.280		0.002	General
65-HZ 59	Patch	vriv0803	Endangered	0	no	0.510	0.002	0.002	0.890		0.001	General
66-HZ 59	Patch	vriv0803	Endangered	0	no	0.510	0.001	0.001	0.890		0.001	General
67-HZ 59	Patch	vriv0803	Endangered	0	no	0.510	0.078	0.078	0.870		0.056	General
68-HZ 59	Patch	vriv0803	Endangered	0	no	0.510	0.007	0.007	0.770		0.005	General
69-HZ 59	Patch	vriv0803	Endangered	0	no	0.510	0.001	0.001	0.770		0.001	General
70-HZ 59	Patch	vriv0803	Endangered	0	no	0.510	0.002	0.002	0.770		0.002	General

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
71-HZ 59	Patch	vriv0803	Endangered	0	no	0.510	0.002	0.002	0.770		0.001	General
72-HZ 59	Patch	vriv0803	Endangered	0	no	0.510	0.006	0.006	0.780		0.004	General
73-HZ 59	Patch	vriv0803	Endangered	0	no	0.510	0.006	0.006	0.780		0.004	General
74-HZ 60	Patch	vriv0803	Endangered	0	no	0.580	0.008	0.008	0.220		0.004	General
75-HZ 60	Patch	vriv0803	Endangered	0	no	0.580	0.007	0.007	0.220		0.004	General
76-HZ 60	Patch	vriv0803	Endangered	0	no	0.580	0.072	0.072	0.220		0.038	General
77-HZ 61	Patch	vriv0819	Vulnerable	0	no	0.590	0.001	0.001	0.220		0.001	General
78-HZ 61	Patch	vriv0819	Vulnerable	0	no	0.590	0.027	0.027	0.220		0.015	General
79-HZ 62	Patch	vriv0803	Endangered	0	no	0.590	0.002	0.002	0.780		0.001	General
80-HZ 63	Patch	vriv0803	Endangered	0	no	0.520	0.208	0.208	0.576		0.128	General

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
81-HZ 64	Patch	vriv0803	Endangered	0	no	0.570	0.003	0.003	0.220		0.001	General
82-HZ 64	Patch	vriv0803	Endangered	0	no	0.570	0.004	0.004	0.651		0.003	General
83-HZ 64	Patch	vriv0803	Endangered	0	no	0.570	0.000	0.000	0.770		0.000	General
84-HZ 64	Patch	vriv0803	Endangered	0	no	0.570	0.003	0.003	0.220		0.001	General
85-HZ 65	Patch	vriv0821	Depleted	0	no	0.560	0.005	0.005	0.657		0.004	General
86-HZ 66	Patch	nis_0175_61	Endangered	0	no	0.370	0.005	0.005	0.450		0.002	General
87-HZ 67	Patch	vriv0803	Endangered	0	no	0.220	0.007	0.007	0.340		0.002	General
88-HZ 68	Patch	vriv0803	Endangered	0	no	0.450	0.031	0.031	0.390		0.015	General
89-HZ 68	Patch	vriv0803	Endangered	0	no	0.450	0.004	0.004	0.390		0.002	General
90-HZ 69	Patch	vriv0815	Vulnerable	2	no	0.360	0.057	0.057	0.460		0.022	General

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
91-HZ 70	Patch	vriv0815	Vulnerable	1	no	0.410	0.033	0.033	0.460		0.015	General
92-HZ 71	Patch	cvu_0047	Vulnerable	0	no	0.320	0.013	0.013	0.120		0.003	General
93-HZ 71	Patch	cvu_0047	Vulnerable	0	no	0.320	0.012	0.012	0.120		0.003	General
94-HZ 74	Patch	cvu_0068	Endangered	0	no	0.230	0.021	0.021	0.270		0.005	General
95-HZ 76	Patch	cvu_0061	Vulnerable	0	no	0.630	0.007	0.007	0.140		0.004	General
96-HZ 83	Patch	vriv0803	Endangered	0	no	0.430	0.073	0.073	0.480		0.035	General
97-HZ 85	Patch	vriv0803	Endangered	0	no	0.350	0.030	0.030	0.510		0.012	General
98-HZ 92	Patch	vriv0803	Endangered	0	no	0.680	0.000	0.000	0.530		0.000	General
99-HZ 92	Patch	vriv0803	Endangered	0	no	0.680	0.020	0.020	0.530		0.015	General
100-HZ 94	Patch	vriv0803	Endangered	0	no	0.390	0.011	0.011	0.530		0.005	General

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
101-HZ 95	Patch	vriv0803	Endangered	1	no	0.690	0.058	0.058	0.580		0.047	General
102-HZ 96	Patch	vriv0803	Endangered	0	no	0.430	0.023	0.023	0.580		0.012	General
103-HZ 97	Patch	vriv0803	Endangered	2	no	0.660	0.047	0.047	0.580		0.037	General
104-HZ 98	Patch	vriv0803	Endangered	0	no	0.690	0.006	0.006	0.785		0.005	General
105-HZ 99	Patch	vriv0803	Endangered	0	no	0.680	0.000	0.000	0.760		0.000	General
106-HZ 99	Patch	vriv0803	Endangered	0	no	0.680	0.007	0.007	0.760		0.006	General
107-HZ 100	Patch	vriv0803	Endangered	0	no	0.520	0.021	0.021	0.760		0.015	General
108-HZ 101	Patch	vriv0803	Endangered	0	no	0.600	0.032	0.032	0.936		0.028	General
109-HZ 105	Patch	vriv0056	Vulnerable	0	no	0.320	0.006	0.006	0.880		0.003	General
110-HZ 107	Patch	vriv0803	Endangered	0	no	0.350	0.014	0.014	0.880		0.007	General

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
111-HZ 109	Patch	vriv0055_61	Endangered	0	no	0.200	0.012	0.012	0.250		0.002	General
112-HZ 110	Patch	vriv0055_61	Endangered	0	no	0.210	0.023	0.023	0.250		0.004	General
113-HZ 111	Patch	vriv0803	Endangered	0	no	0.340	0.009	0.009	0.830		0.004	General
114-HZ 112	Patch	vriv0803	Endangered	0	no	0.310	0.023	0.023	0.610		0.009	General
115-HZ 114	Patch	vriv0055_61	Endangered	0	no	0.480	0.023	0.023	0.460		0.012	General
116-HZ 115	Patch	vriv0055_61	Endangered	0	no	0.430	0.062	0.062	0.729		0.034	General
117-HZ 116	Patch	vriv0819	Vulnerable	0	no	0.610	0.005	0.005	0.460		0.003	General
118-HZ 117	Patch	vriv0055_61	Endangered	0	no	0.430	0.004	0.004	0.460		0.002	General
120-HZ 120	Patch	vriv0803	Endangered	0	no	0.360	0.002	0.002	0.440		0.001	General
121-HZ 120	Patch	vriv0803	Endangered	0	no	0.360	0.000	0.000	0.440		0.000	General

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
122-HZ 122	Patch	vriv0803	Endangered	0	no	0.270	0.002	0.002	0.240		0.001	General
123-HZ 122	Patch	vriv0803	Endangered	0	no	0.270	0.000	0.000	0.240		0.000	General
124-HZ 128	Patch	vriv0803	Endangered	0	no	0.250	0.032	0.032	0.790		0.011	General
125-HZ 130	Patch	vriv0055_61	Endangered	0	no	0.360	0.028	0.028	0.850		0.014	General
126-HZ 130	Patch	vriv0055_61	Endangered	0	no	0.360	0.021	0.021	0.718		0.010	General
127-HZ 131	Patch	vriv0055_61	Endangered	0	no	0.330	0.049	0.049	0.572		0.019	General
128-HZ 134	Patch	vriv0055_61	Endangered	0	no	0.240	0.005	0.005	0.610		0.002	General
129-HZ 136	Patch	vriv0055_61	Endangered	0	no	0.240	0.007	0.007	0.610		0.002	General
130-HZ 139	Patch	vriv0055_61	Endangered	0	no	0.390	0.006	0.006	0.410		0.002	General
131-HZ 140	Patch	vriv0055_61	Endangered	0	no	0.410	0.029	0.029	0.645		0.015	General

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
132-HZ 141	Patch	nis_0803	Endangered	0	no	0.370	0.130	0.130	0.714		0.062	General
133-HZ 142	Patch	nis_0803	Endangered	0	no	0.370	0.015	0.015	0.770		0.008	General
134-HZ 142	Patch	nis_0803	Endangered	0	no	0.370	0.042	0.042	0.770		0.021	General
135-HZ 142	Patch	nis_0803	Endangered	0	no	0.370	0.171	0.171	0.765		0.084	General
136-HZ 143	Patch	nis_0803	Endangered	0	no	0.670	0.003	0.003	0.530		0.002	General
137-HZ 143	Patch	nis_0803	Endangered	0	no	0.670	0.001	0.001	0.530		0.001	General
138-HZ 143	Patch	nis_0803	Endangered	0	no	0.670	0.003	0.003	0.760		0.003	General
139-HZ 143	Patch	nis_0803	Endangered	0	no	0.670	0.012	0.012	0.760		0.010	General
140-HZ 143	Patch	nis_0803	Endangered	0	no	0.670	0.000	0.000	0.770		0.000	General
141-HZ 143	Patch	nis_0803	Endangered	0	no	0.670	0.002	0.002	0.770		0.002	General



Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
142-HZ 143	Patch	nis_0803	Endangered	0	no	0.670	0.001	0.001	0.770		0.001	General
143-HZ 144	Patch	nis_0175_61	Endangered	0	no	0.530	0.068	0.068	0.558		0.042	General
144-HZ 144	Patch	nis_0175_61	Endangered	0	no	0.530	0.230	0.230	0.885		0.172	General
145-HZ 144	Patch	nis_0175_61	Endangered	0	no	0.530	0.001	0.001	0.890		0.000	General
146-HZ 144	Patch	nis_0175_61	Endangered	0	no	0.530	0.006	0.006	0.890		0.004	General
147-HZ 144	Patch	nis_0175_61	Endangered	0	no	0.530	0.026	0.026	0.450		0.015	General
148-HZ 144	Patch	nis_0175_61	Endangered	0	no	0.530	0.032	0.032	0.627		0.021	General
149-HZ 146	Patch	vriv0803	Endangered	0	no	0.360	0.016	0.016	0.630		0.007	General
150-HZ 147	Patch	nis_0175_61	Endangered	0	no	0.440	0.000	0.000	0.420		0.000	General
151-HZ 147	Patch	nis_0175_61	Endangered	0	no	0.440	0.004	0.004	0.770		0.002	General

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Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
152-HZ 147	Patch	nis_0175_61	Endangered	0	no	0.440	0.031	0.031	0.770		0.018	General
153-HZ 148	Patch	vriv0061	Vulnerable	0	no	0.630	0.013	0.013	0.790		0.011	General
154-HZ 149	Patch	nis_0175_61	Endangered	0	no	0.590	0.011	0.011	0.450		0.007	General
155-HZ 149	Patch	nis_0175_61	Endangered	0	no	0.590	0.005	0.005	0.438		0.003	General
156-HZ 150	Patch	nis_0175_61	Endangered	0	no	0.600	0.010	0.010	0.900		0.008	General
157-HZ 150	Patch	nis_0175_61	Endangered	0	no	0.600	0.019	0.019	0.940		0.016	General
158-HZ 151	Patch	nis_0175_61	Endangered	0	no	0.600	0.057	0.057	0.900		0.048	General
159-HZ 151	Patch	nis_0175_61	Endangered	0	no	0.600	0.000	0.000	0.900		0.000	General
160-HZ 152	Patch	nis_0175_61	Endangered	0	no	0.430	0.077	0.077	0.450		0.036	General
161-HZ 153	Patch	nis_0175_61	Endangered	0	no	0.340	0.050	0.050	0.430		0.018	General

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Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
162-HZ 154	Patch	nis_0175_61	Endangered	1	no	0.410	0.009	0.009	0.430		0.004	General
163-HZ 155	Patch	nis_0175_61	Endangered	0	no	0.290	0.008	0.008	0.885		0.003	General
164-HZ 156	Patch	vriv0055_61	Endangered	0	no	0.300	0.009	0.009	0.160		0.002	General
165-HZ 158	Patch	nis_0175_61	Endangered	0	no	0.320	0.004	0.004	0.491		0.002	General
166-HZ 159	Patch	nis_0175_61	Endangered	0	no	0.580	0.009	0.009	0.924		0.007	General
167-HZ 159	Patch	nis_0175_61	Endangered	0	no	0.580	0.000	0.000	0.940		0.000	General
168-HZ 159	Patch	nis_0175_61	Endangered	0	no	0.580	0.122	0.122	0.688		0.089	General
169-HZ 159	Patch	nis_0175_61	Endangered	0	no	0.580	0.004	0.004	0.900		0.003	General
170-HZ 159	Patch	nis_0175_61	Endangered	0	no	0.580	0.007	0.007	0.940		0.006	General
171-HZ 160	Patch	vriv0056	Vulnerable	0	no	0.530	0.012	0.012	0.780		0.008	General

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Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
172-HZ 160	Patch	vriv0056	Vulnerable	0	no	0.530	0.025	0.025	0.780		0.018	General
173-HZ 161	Patch	vriv0803	Endangered	0	no	0.490	0.026	0.026	0.650		0.016	General
174-HZ 162	Patch	vriv0056	Vulnerable	0	no	0.540	0.064	0.064	0.780		0.046	General
175-HZ 162	Patch	vriv0056	Vulnerable	0	no	0.540	0.007	0.007	0.780		0.005	General
176-HZ 163	Patch	vriv0803	Endangered	0	no	0.320	0.053	0.053	0.650		0.021	General
177-HZ 164	Patch	vriv0803	Endangered	0	no	0.310	0.022	0.022	0.680		0.009	General
178-HZ 166	Patch	vriv0803	Endangered	0	no	0.270	0.073	0.073	0.770		0.026	General
179-HZ 167	Patch	vriv0803	Endangered	0	no	0.460	0.102	0.102	0.390		0.049	General
180-HZ 168	Patch	vriv0819	Vulnerable	0	no	0.500	0.003	0.003	0.390		0.002	General
181-HZ 168	Patch	vriv0819	Vulnerable	0	no	0.500	0.289	0.289	0.408		0.152	General

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
182-HZ 169	Patch	vriv0055_61	Endangered	0	no	0.270	0.001	0.001	0.670		0.000	General
183-HZ 170	Patch	vriv0055_61	Endangered	0	no	0.270	0.022	0.022	0.670		0.008	General
184-HZ 172	Patch	vriv0068	Endangered	0	no	0.380	0.035	0.035	0.930		0.019	General
185-HZ 173	Patch	vriv0068	Endangered	0	no	0.410	0.016	0.016	0.640		0.008	General
186-HZ 174	Patch	nis_0175_61	Endangered	0	no	0.270	0.010	0.010	0.860		0.004	General
188-HZ 176	Patch	nis_0067	Endangered	0	no	0.480	0.022	0.022	0.970		0.015	General
191-HZ 178	Patch	nis_0067	Endangered	0	no	0.410	0.006	0.006	0.967		0.004	General
192-HZ 178	Patch	nis_0067	Endangered	0	no	0.410	0.013	0.013	0.970		0.008	General
194-HZ 182	Patch	nis_0175_61	Endangered	0	no	0.630	0.010	0.010	0.892		0.009	General
195-HZ 182	Patch	nis_0175_61	Endangered	0	no	0.630	0.031	0.031	0.815		0.026	General

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Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
196-HZ 183	Patch	vriv0067	Vulnerable	0	no	0.320	0.000	0.000	0.450		0.000	General
197-HZ 183	Patch	vriv0067	Vulnerable	1	no	0.320	0.012	0.012	0.450		0.004	General
198-HZ 184	Patch	vriv0067	Vulnerable	0	no	0.350	0.001	0.001	0.720		0.001	General
199-HZ 185	Patch	nis_0047	Endangered	0	no	0.410	0.007	0.007	0.200		0.003	General
200-HZ 185	Patch	nis_0047	Endangered	0	no	0.410	0.002	0.002	0.200		0.001	General
201-HZ 185	Patch	nis_0047	Endangered	0	no	0.410	0.030	0.030	0.348		0.012	General
202-HZ 185	Patch	nis_0047	Endangered	0	no	0.410	0.033	0.033	0.637		0.017	General
203-HZ 185	Patch	nis_0047	Endangered	0	no	0.410	0.013	0.013	0.880		0.008	General
204-HZ 185	Patch	nis_0047	Endangered	0	no	0.410	0.002	0.002	0.880		0.001	General
205-HZ 186	Patch	nis_0175_61	Endangered	0	no	0.520	0.051	0.051	0.925		0.038	General

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Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
206-HZ 186	Patch	nis_0175_61	Endangered	0	no	0.520	0.125	0.125	0.870		0.091	General
207-HZ 187	Patch	nis_0175_61	Endangered	0	no	0.540	0.054	0.054	0.470		0.032	General
208-HZ 188	Patch	nis_0175_61	Endangered	0	no	0.610	0.043	0.043	0.585		0.031	General
209-HZ 188	Patch	nis_0175_61	Endangered	0	no	0.610	0.008	0.008	0.470		0.006	General
210-HZ 189	Patch	nis_0175_61	Endangered	0	no	0.540	0.018	0.018	0.890		0.014	General
211-HZ 190	Patch	nis_0067	Endangered	0	no	0.360	0.016	0.016	0.920		0.008	General
212-HZ 190	Patch	nis_0067	Endangered	0	no	0.360	0.052	0.052	0.920		0.027	General
213-HZ 190	Patch	nis_0067	Endangered	0	no	0.360	0.066	0.066	0.924		0.034	General
214-HZ 192	Patch	vriv0803	Endangered	0	no	0.650	0.002	0.002	0.670		0.002	General
215-HZ 192	Patch	vriv0803	Endangered	0	no	0.650	0.003	0.003	0.670		0.003	General

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Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
216-HZ 193	Patch	vriv0803	Endangered	0	no	0.370	0.089	0.089	0.575		0.039	General
217-HZ 193	Patch	vriv0803	Endangered	0	no	0.370	0.000	0.000	0.630		0.000	General
218-HZ 193	Patch	vriv0803	Endangered	0	no	0.370	0.005	0.005	0.609		0.002	General
219-HZ 194	Patch	vriv0061	Vulnerable	0	no	0.620	0.013	0.013	0.790		0.011	General
220-HZ 194	Patch	vriv0061	Vulnerable	0	no	0.620	0.038	0.038	0.790		0.032	General
221-HZ 194	Patch	vriv0061	Vulnerable	0	no	0.620	0.123	0.123	0.676		0.096	General
222-HZ 195	Patch	vriv0803	Endangered	0	no	0.620	0.028	0.028	0.584		0.020	General
223-HZ 196	Patch	cvu_0055	Endangered	0	no	0.400	0.002	0.002	0.510		0.001	General
224-HZ 197	Patch	vriv0175_61	Endangered	0	no	0.600	0.000	0.000	0.980		0.000	General
225-HZ 197	Patch	vriv0175_61	Endangered	0	no	0.600	0.038	0.038	0.980		0.034	General



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Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
226-HZ 204	Patch	vriv0056	Vulnerable	1	no	0.470	0.059	0.059	0.880		0.039	General
227-HZ 205	Patch	vriv0056	Vulnerable	0	no	0.460	0.019	0.019	0.880		0.013	General
228-HZ 206	Patch	vriv0056	Vulnerable	0	no	0.500	0.001	0.001	0.410		0.001	General
229-HZ 206	Patch	vriv0056	Vulnerable	0	no	0.500	0.016	0.016	0.410		0.008	General
230-HZ 207	Patch	vriv0056	Vulnerable	0	no	0.370	0.017	0.017	0.630		0.008	General
231-HZ 208	Patch	vriv0056	Vulnerable	0	no	0.460	0.005	0.005	0.880		0.003	General
232-HZ 209	Patch	cvu_0175_61	Endangered	0	no	0.580	0.001	0.001	0.510		0.000	General
233-HZ 209	Patch	cvu_0175_61	Endangered	0	no	0.580	0.047	0.047	0.559		0.032	General
234-HZ 209	Patch	cvu_0175_61	Endangered	0	no	0.580	0.002	0.002	0.560		0.001	General
235-HZ 209	Patch	cvu_0175_61	Endangered	0	no	0.580	0.016	0.016	0.560		0.011	General

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Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
236-HZ 209	Patch	cvu_0175_61	Endangered	0	no	0.580	0.095	0.095	0.603		0.066	General
237-HZ 216	Patch	vriv0803	Endangered	0	no	0.200	0.001	0.001	0.460		0.000	General
238-HZ 216	Patch	vriv0803	Endangered	0	no	0.200	0.027	0.027	0.460		0.006	General
239-HZ 216	Patch	vriv0803	Endangered	0	no	0.200	0.002	0.002	0.460		0.001	General
240-HZ 222	Patch	cvu_0047	Vulnerable	0	no	0.530	0.000	0.000	0.610		0.000	General
241-HZ 222	Patch	cvu_0047	Vulnerable	0	no	0.530	0.463	0.463	0.610		0.296	General
245-HZ 242	Patch	vriv0068	Endangered	0	no	0.560	0.008	0.008	0.270		0.004	General
254-HZ 259	Patch	cvu_0055	Endangered	0	no	0.110	0.004	0.004	0.100		0.000	General
259-HZ 268	Patch	cvu_0175_61	Endangered	0	no	0.290	0.022	0.022	0.100		0.005	General
287-HZ 300	Patch	cvu_0055	Endangered	0	no	0.330	0.000	0.000	0.640		0.000	General

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Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
298-HZ 319	Patch	cvu_0175_61	Endangered	0	no	0.340	0.002	0.002	0.640		0.001	General
313-HZ 341	Patch	cvu_0055	Endangered	0	no	0.310	0.025	0.025	0.770		0.010	General
314-HZ 341	Patch	cvu_0055	Endangered	0	no	0.310	0.005	0.005	0.770		0.002	General
323-HZ 358	Patch	nis_0803	Endangered	0	no	0.360	0.005	0.005	0.810		0.002	General
325-HZ 453	Patch	cvu_0055	Endangered	0	no	0.600	0.047	0.047	0.740		0.037	General
326-HZ 453	Patch	cvu_0055	Endangered	0	no	0.600	0.031	0.031	0.740		0.024	General
327-HZ 453	Patch	cvu_0055	Endangered	0	no	0.600	0.000	0.000	0.740		0.000	General
328-HZ 367	Patch	cvu_0055	Endangered	0	no	0.640	0.055	0.055	0.636		0.043	General
334-HZ 425	Patch	vvp_0083	Endangered	0	no	0.150	0.017	0.017	0.700		0.003	General
335-HZ 427	Patch	vriv0803	Endangered	0	no	0.600	0.106	0.106	0.770		0.084	General

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Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
336-HZ 427	Patch	vriv0803	Endangered	0	no	0.600	0.346	0.346	0.617		0.252	General
337-HZ 429	Patch	cvu_0127	Vulnerable	0	no	0.200	0.001	0.001	0.220		0.000	General
338-HZ 429	Patch	cvu_0127	Vulnerable	0	no	0.200	0.004	0.004	0.220		0.001	General
339-HZ 429	Patch	cvu_0127	Vulnerable	0	no	0.200	0.000	0.000	0.220		0.000	General
340-HZ 429	Patch	cvu_0127	Vulnerable	0	no	0.200	0.000	0.000	0.220		0.000	General
341-HZ 429	Patch	cvu_0127	Vulnerable	0	no	0.200	0.001	0.001	0.650		0.000	General
342-HZ 429	Patch	cvu_0127	Vulnerable	0	no	0.200	0.001	0.001	0.650		0.000	General
343-HZ 429	Patch	cvu_0127	Vulnerable	0	no	0.200	0.009	0.009	0.220		0.002	General
344-HZ 429	Patch	cvu_0127	Vulnerable	0	no	0.200	0.015	0.015	0.200		0.003	General
345-HZ 430	Patch	cvu_0047	Vulnerable	0	no	0.800	0.134	0.134	0.730		0.139	General

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Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
346-HZ 431	Patch	cvu_0047	Vulnerable	0	no	0.800	0.038	0.038	0.540		0.035	General
347-HZ 431	Patch	cvu_0047	Vulnerable	0	no	0.800	0.004	0.004	0.880		0.005	General
348-HZ 431	Patch	cvu_0047	Vulnerable	0	no	0.800	0.007	0.007	0.880		0.008	General
349-HZ 431	Patch	cvu_0047	Vulnerable	0	no	0.800	0.002	0.002	0.880		0.003	General
350-HZ 431	Patch	cvu_0047	Vulnerable	0	no	0.800	0.011	0.011	0.880		0.013	General
351-HZ 431	Patch	cvu_0047	Vulnerable	0	no	0.800	0.009	0.009	0.727		0.010	General
352-HZ 431	Patch	cvu_0047	Vulnerable	0	no	0.800	0.007	0.007	0.710		0.007	General
353-HZ 431	Patch	cvu_0047	Vulnerable	0	no	0.800	0.005	0.005	0.540		0.005	General
354-HZ 431	Patch	cvu_0047	Vulnerable	0	no	0.800	0.012	0.012	0.540		0.011	General
355-HZ 432	Patch	nis_0067	Endangered	0	no	0.800	0.009	0.009	0.940		0.010	General

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
362-HZ 443	Patch	cvu_0055	Endangered	0	no	0.380	0.002	0.002	0.100		0.001	General
365-HZ 447	Patch	cvu_0175_61	Endangered	0	no	0.720	0.000	0.000	0.870		0.000	General
366-HZ 454	Patch	cvu_0047	Vulnerable	0	no	0.800	0.064	0.064	0.714		0.066	General
367-HZ 455	Patch	cvu_0047	Vulnerable	0	no	0.400	0.015	0.015	0.740		0.008	General
368-HZ 456	Patch	nis_0047	Endangered	0	no	0.600	0.003	0.003	0.420		0.002	General
369-HZ 456	Patch	nis_0047	Endangered	0	no	0.600	0.000	0.000	0.420		0.000	General
370-HZ 456	Patch	nis_0047	Endangered	0	no	0.600	0.000	0.000	0.200		0.000	General
373-HZ 462	Patch	cvu_0023	Depleted	0	no	0.800	0.010	0.010	0.480		0.009	General
374-HZ 463	Patch	cvu_0018	Vulnerable	0	no	0.800	0.009	0.009	0.669		0.009	General
375-HZ 464	Patch	cvu_0055	Endangered	0	no	0.800	0.044	0.044	0.770		0.046	General

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
376-HZ 464	Patch	cvu_0055	Endangered	0	no	0.800	0.002	0.002	0.770		0.002	General
377-HZ 464	Patch	cvu_0055	Endangered	0	no	0.800	0.001	0.001	0.770		0.002	General
378-HZ 467	Patch	cvu_0068	Endangered	0	no	0.200	0.003	0.003	0.270		0.001	General
379-HZ 469	Patch	vriv0055_61	Endangered	0	no	0.600	0.000	0.000	0.240		0.000	General
380-HZ 470	Patch	vriv0803	Endangered	0	no	0.400	0.010	0.010	0.530		0.004	General
381-HZ 470	Patch	vriv0803	Endangered	0	no	0.400	0.000	0.000	0.530		0.000	General
382-HZ 476	Patch	vriv0175_61	Endangered	0	no	0.510	0.002	0.002	0.820		0.001	General
383-HZ 476	Patch	vriv0175_61	Endangered	0	no	0.510	0.007	0.007	0.820		0.005	General
384-HZ 477	Patch	vriv0803	Endangered	0	no	0.600	0.038	0.038	0.610		0.028	General
385-HZ 480	Patch	vriv0055_61	Endangered	0	no	0.800	0.018	0.018	0.430		0.015	General

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
386-HZ 480	Patch	vriv0055_61	Endangered	0	no	0.800	0.003	0.003	0.430		0.003	General
387-HZ 480	Patch	vriv0055_61	Endangered	0	no	0.800	0.007	0.007	0.430		0.006	General
388-HZ 480	Patch	vriv0055_61	Endangered	0	no	0.800	0.002	0.002	0.430		0.001	General
389-HZ 481	Patch	vriv0055_61	Endangered	0	no	0.600	0.019	0.019	0.441		0.012	General
390-HZ 484	Patch	nis_0803	Endangered	0	no	0.670	0.023	0.023	0.770		0.020	General
391-HZ 484	Patch	nis_0803	Endangered	0	no	0.670	0.023	0.023	0.770		0.021	General
392-HZ 485	Patch	vriv0061	Vulnerable	0	no	0.800	0.003	0.003	0.630		0.003	General
393-HZ 488	Patch	nis_0175_61	Endangered	0	no	0.800	0.000	0.000	0.870		0.000	General
394-HZ 489	Patch	nis_0175_61	Endangered	0	no	0.800	0.012	0.012	0.870		0.013	General
395-HZ 489	Patch	nis_0175_61	Endangered	0	no	0.800	0.006	0.006	0.880		0.007	General



Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
396-HZ 490	Patch	nis_0175_61	Endangered	0	no	0.800	0.001	0.001	0.876		0.001	General
397-HZ 490	Patch	nis_0175_61	Endangered	0	no	0.800	0.001	0.001	0.890		0.001	General
398-HZ 491	Patch	nis_0175_61	Endangered	0	no	0.800	0.034	0.034	0.770		0.036	General
399-HZ 491	Patch	nis_0175_61	Endangered	0	no	0.800	0.025	0.025	0.770		0.027	General
400-HZ 494	Patch	nis_0175_61	Endangered	0	no	0.600	0.034	0.034	0.430		0.022	General
401-HZ 498	Patch	nis_0175_61	Endangered	0	no	0.800	0.005	0.005	0.980		0.006	General
402-HZ 503	Patch	cvu_0055	Endangered	0	no	0.810	0.005	0.005	0.480		0.005	General
403-HZ 504	Patch	vriv0055_61	Endangered	0	no	0.200	0.004	0.004	0.710		0.001	General
404-HZ 7	Patch	cvu_0175_61	Endangered	0	no	0.590	0.001	0.001	0.640		0.000	General
407-HZ 22	Patch	cvu_0127	Vulnerable	0	no	0.340	0.001	0.001	0.200		0.000	General
409-HZ 36	Patch	cvu_0018	Vulnerable	0	no	0.600	0.000	0.000	0.630		0.000	General

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
411-HZ 47	Patch	vriv0819	Vulnerable	0	no	0.480	0.000	0.000	0.470		0.000	General
413-HZ 49	Patch	vriv0803	Endangered	0	no	0.620	0.001	0.001	0.960		0.001	General
415-HZ 59	Patch	vriv0803	Endangered	0	no	0.510	0.003	0.003	0.780		0.002	General
417-HZ 61	Patch	vriv0819	Vulnerable	0	no	0.590	0.001	0.001	0.220		0.001	General
419-HZ 92	Patch	vriv0803	Endangered	0	no	0.680	0.000	0.000	0.530		0.000	General
421-HZ 130	Patch	vriv0055_61	Endangered	0	no	0.360	0.010	0.010	0.850		0.005	General
423-HZ 142	Patch	nis_0803	Endangered	0	no	0.370	0.000	0.000	0.770		0.000	General
424-HZ 144	Patch	nis_0175_61	Endangered	0	no	0.530	0.003	0.003	0.450		0.002	General
427-HZ 144	Patch	nis_0175_61	Endangered	0	no	0.530	0.019	0.019	0.587		0.012	General
429-HZ 149	Patch	nis_0175_61	Endangered	0	no	0.590	0.000	0.000	0.450		0.000	General

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Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
431-HZ 159	Patch	nis_0175_61	Endangered	0	no	0.580	0.001	0.001	0.940		0.001	General
433-HZ 162	Patch	vriv0056	Vulnerable	0	no	0.540	0.000	0.000	0.780		0.000	General
435-HZ 182	Patch	nis_0175_61	Endangered	0	no	0.630	0.000	0.000	0.870		0.000	General
437-HZ 183	Patch	vriv0067	Vulnerable	0	no	0.320	0.000	0.000	0.450		0.000	General
439-HZ 186	Patch	nis_0175_61	Endangered	0	no	0.520	0.000	0.000	0.960		0.000	General
441-HZ 188	Patch	nis_0175_61	Endangered	0	no	0.610	0.000	0.000	0.470		0.000	General
443-HZ 190	Patch	nis_0067	Endangered	0	no	0.360	0.001	0.001	0.920		0.000	General
445-HZ 209	Patch	cvu_0175_61	Endangered	0	no	0.580	0.000	0.000	0.620		0.000	General
447-HZ 209	Patch	cvu_0175_61	Endangered	0	no	0.580	0.000	0.000	0.510		0.000	General
449-HZ 209	Patch	cvu_0175_61	Endangered	0	no	0.580	0.001	0.001	0.620		0.001	General

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
451-HZ 453	Patch	cvu_0055	Endangered	0	no	0.600	0.000	0.000	0.740		0.000	General
453-HZ 427	Patch	vriv0803	Endangered	0	no	0.600	0.002	0.002	0.790		0.002	General
455-HZ 431	Patch	cvu_0047	Vulnerable	0	no	0.800	0.001	0.001	0.540		0.001	General
139-SST	Scattered Tree	vriv0056	Vulnerable	0	no	0.200	0.031	0.029	0.880		0.008	General
140-SST	Scattered Tree	vriv0056	Vulnerable	0	no	0.200	0.031	0.031	0.880		0.009	General
144-SST	Scattered Tree	vriv0056	Vulnerable	0	no	0.200	0.031	0.031	0.410		0.007	General
150-SST	Scattered Tree	vriv0056	Vulnerable	0	no	0.200	0.031	0.031	0.480		0.007	General
154-LST	Scattered Tree	vriv0056	Vulnerable	1	no	0.200	0.070	0.070	0.300		0.014	General
253-SST	Scattered Tree	cvu_0047	Vulnerable	0	no	0.200	0.031	0.031	0.540		0.007	General
254-SST	Scattered Tree	vriv0055_61	Endangered	0	no	0.200	0.031	0.031	0.100		0.005	General
265-SST	Scattered Tree	cvu_0175_61	Endangered	0	no	0.200	0.031	0.031	0.230		0.006	General
281-LST	Scattered Tree	cvu_0175_61	Endangered	1	no	0.200	0.070	0.070	0.552		0.016	General
284-LST	Scattered Tree	vriv0274	Endangered	1	no	0.200	0.070	0.068	0.980		0.020	General
285-SST	Scattered Tree	vriv0274	Endangered	0	no	0.200	0.031	0.021	0.980		0.006	General

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Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
286-SST	Scattered Tree	vriv0274	Endangered	0	no	0.200	0.031	0.015	0.980		0.004	General
287-SST	Scattered Tree	vriv0274	Endangered	0	no	0.200	0.031	0.003	0.980		0.001	General
299-SST	Scattered Tree	cvu_0018	Vulnerable	0	no	0.200	0.031	0.023	0.629		0.006	General
302-SST	Scattered Tree	cvu_0018	Vulnerable	0	no	0.200	0.031	0.030	0.620		0.007	General
305-SST	Scattered Tree	cvu_0018	Vulnerable	0	no	0.200	0.031	0.029	0.620		0.007	General
346-SST	Scattered Tree	vriv0055_61	Endangered	0	no	0.200	0.031	0.025	0.470		0.006	General
428-LST	Scattered Tree	vriv0815	Vulnerable	1	no	0.200	0.070	0.070	0.460		0.015	General
431-SST	Scattered Tree	vriv0815	Vulnerable	0	no	0.200	0.031	0.031	0.460		0.007	General
442-SST	Scattered Tree	cvu_0023	Depleted	0	no	0.200	0.031	0.020	0.200		0.004	General
443-SST	Scattered Tree	cvu_0023	Depleted	0	no	0.200	0.031	0.020	0.200		0.004	General
447-SST	Scattered Tree	cvu_0127	Vulnerable	0	no	0.200	0.031	0.031	0.200		0.006	General
449-SST	Scattered Tree	vriv0055_61	Endangered	0	no	0.200	0.031	0.031	0.140		0.005	General
505-SST	Scattered Tree	vriv0803	Endangered	0	no	0.200	0.031	0.030	0.530		0.007	General
518-SST	Scattered Tree	vriv0055_61	Endangered	0	no	0.200	0.031	0.031	0.930		0.009	General
519-SST	Scattered Tree	vriv0055_61	Endangered	0	no	0.200	0.031	0.021	0.930		0.006	General

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
520-SST	Scattered Tree	vriv0055_61	Endangered	0	no	0.200	0.031	0.021	0.930		0.006	General
537-SST	Scattered Tree	vriv0055_61	Endangered	0	no	0.200	0.031	0.026	0.880		0.007	General
538-LST	Scattered Tree	vriv0056	Vulnerable	1	no	0.200	0.070	0.058	0.880		0.016	General
539-LST	Scattered Tree	vriv0056	Vulnerable	1	no	0.200	0.070	0.058	0.880		0.016	General
542-LST	Scattered Tree	vriv0055_61	Endangered	1	no	0.200	0.070	0.070	0.880		0.020	General
543-SST	Scattered Tree	vriv0055_61	Endangered	0	no	0.200	0.031	0.000	0.880		0.000	General
544-LST	Scattered Tree	vriv0055_61	Endangered	1	no	0.200	0.070	0.067	0.880		0.019	General
548-SST	Scattered Tree	vriv0055_61	Endangered	0	no	0.200	0.031	0.021	0.250		0.004	General
549-SST	Scattered Tree	vriv0055_61	Endangered	0	no	0.200	0.031	0.021	0.250		0.004	General
550-SST	Scattered Tree	vriv0055_61	Endangered	0	no	0.200	0.031	0.017	0.830		0.005	General
551-SST	Scattered Tree	vriv0055_61	Endangered	0	no	0.200	0.031	0.017	0.830		0.005	General
568-SST	Scattered Tree	vriv0055_61	Endangered	0	no	0.200	0.031	0.031	0.870		0.009	General
581-SST	Scattered Tree	vriv0055_61	Endangered	0	no	0.200	0.031	0.012	0.240		0.002	General
628-SST	Scattered Tree	vriv0055_61	Endangered	0	no	0.200	0.031	0.031	0.780		0.008	General
647-SST	Scattered Tree	vriv0055_61	Endangered	0	no	0.200	0.031	0.028	0.522		0.006	General

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
676-SST	Scattered Tree	vriv0055_61	Endangered	0	no	0.200	0.031	0.031	0.610		0.008	General
695-SST	Scattered Tree	vriv0055_61	Endangered	0	no	0.200	0.031	0.031	0.410		0.007	General
697-SST	Scattered Tree	vriv0055_61	Endangered	0	no	0.200	0.031	0.031	0.410		0.007	General
717-SST	Scattered Tree	vriv0803	Endangered	0	no	0.200	0.031	0.021	0.760		0.006	General
724-SST	Scattered Tree	cvu_0803	Endangered	0	no	0.200	0.031	0.019	0.760		0.005	General
725-SST	Scattered Tree	cvu_0803	Endangered	0	no	0.200	0.031	0.019	0.641		0.005	General
726-SST	Scattered Tree	cvu_0803	Endangered	0	no	0.200	0.031	0.027	0.530		0.006	General
727-SST	Scattered Tree	nis_0175_61	Endangered	0	no	0.200	0.031	0.031	0.420		0.007	General
731-LST	Scattered Tree	vriv0055_61	Endangered	1	no	0.200	0.070	0.070	0.160		0.012	General
736-LST	Scattered Tree	vriv0055_61	Endangered	1	no	0.200	0.070	0.070	0.110		0.012	General
741-SST	Scattered Tree	vriv1040	Endangered	0	no	0.200	0.031	0.031	0.870		0.009	General
763-SST	Scattered Tree	vriv0803	Endangered	0	no	0.200	0.031	0.031	0.770		0.008	General
769-SST	Scattered Tree	nis_0047	Endangered	0	no	0.200	0.031	0.031	0.820		0.008	General
770-SST	Scattered Tree	nis_0047	Endangered	0	no	0.200	0.031	0.031	0.820		0.008	General
772-LST	Scattered Tree	nis_0047	Endangered	1	no	0.200	0.070	0.070	0.820		0.019	General

Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
775-SST	Scattered Tree	nis_0061	Vulnerable	0	no	0.200	0.031	0.031	0.190		0.006	General
777-SST	Scattered Tree	nis_0061	Vulnerable	0	no	0.200	0.031	0.031	0.650		0.008	General
788-LST	Scattered Tree	vriv0068	Endangered	1	no	0.200	0.070	0.070	0.450		0.015	General
793-LST	Scattered Tree	nis_0047	Endangered	1	no	0.200	0.070	0.065	0.430		0.014	General
794-LST	Scattered Tree	nis_0047	Endangered	1	no	0.200	0.070	0.064	0.456		0.014	General
798-LST	Scattered Tree	nis_0047	Endangered	1	no	0.200	0.070	0.066	0.880		0.019	General
804-SST	Scattered Tree	vriv0815	Vulnerable	0	no	0.200	0.031	0.022	0.350		0.004	General
807-SST	Scattered Tree	vriv0815	Vulnerable	0	no	0.200	0.031	0.022	0.350		0.004	General
808-LST	Scattered Tree	vriv0815	Vulnerable	1	no	0.200	0.070	0.070	0.460		0.015	General
810-LST	Scattered Tree	vriv0815	Vulnerable	1	no	0.200	0.070	0.070	0.390		0.015	General
813-SST	Scattered Tree	nis_0061	Vulnerable	0	no	0.200	0.031	0.018	0.917		0.005	General
815-SST	Scattered Tree	nis_0061	Vulnerable	0	no	0.200	0.031	0.027	0.940		0.008	General
816-SST	Scattered Tree	nis_0061	Vulnerable	0	no	0.200	0.031	0.029	0.940		0.009	General
1255-LST	Scattered Tree	vriv0055_61	Endangered	1	no	0.200	0.070	0.070	0.860		0.020	General
1387-LST	Scattered Tree	cvu_0175_61	Endangered	1	no	0.200	0.070	0.055	0.230		0.010	General



Information provided by or on behalf of the applicant in a GIS file							Information calculated by EnSym					
Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
1388-LST	Scattered Tree	cvu_0175_61	Endangered	1	no	0.200	0.070	0.055	0.230		0.010	General
1409-LST	Scattered Tree	cvu_0047	Vulnerable	1	no	0.200	0.070	0.070	0.750		0.018	General
1411-LST	Scattered Tree	vriv0055_61	Endangered	1	no	0.200	0.070	0.049	0.240		0.009	General
1412-LST	Scattered Tree	vriv0055_61	Endangered	1	no	0.200	0.070	0.049	0.240		0.009	General
1417-LST	Scattered Tree	cvu_0055	Endangered	1	no	0.200	0.070	0.068	0.770		0.018	General
1418-LST	Scattered Tree	cvu_0055	Endangered	1	no	0.200	0.070	0.070	0.770		0.019	General
1419-LST	Scattered Tree	cvu_0068	Endangered	1	no	0.200	0.070	0.067	0.270		0.013	General
1420-LST	Scattered Tree	cvu_0068	Endangered	1	no	0.200	0.070	0.068	0.270		0.013	General
1423-LST	Scattered Tree	vriv0055_61	Endangered	1	no	0.200	0.070	0.055	0.690		0.014	General
1424-LST	Scattered Tree	vriv0055_61	Endangered	1	no	0.200	0.070	0.040	0.690		0.010	General
1425-LST	Scattered Tree	vriv0055_61	Endangered	1	no	0.200	0.070	0.032	0.690		0.008	General
1426-LST	Scattered Tree	vriv0055_61	Endangered	1	no	0.200	0.070	0.047	0.690		0.012	General
1434-LST	Scattered Tree	vriv0055_61	Endangered	1	no	0.200	0.070	0.070	0.180		0.012	General
1435-LST	Scattered Tree	vriv0803	Endangered	1	no	0.200	0.070	0.070	0.530		0.016	General
1448-LST	Scattered Tree	vriv0061	Vulnerable	1	no	0.200	0.070	0.061	0.630		0.015	General

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Zone	Type	BioEVC	BioEVC conservation status	Large tree(s)	Partial removal	Condition score	Polygon Extent	Extent without overlap	SBV score	HI score	Habitat units	Offset type
1449-LST	Scattered Tree	vriv0061	Vulnerable	1	no	0.200	0.070	0.060	0.630		0.015	General
1451-LST	Scattered Tree	nis_0175_61	Endangered	1	no	0.200	0.070	0.070	0.940		0.020	General
1453-LST	Scattered Tree	vriv0068	Endangered	1	no	0.200	0.070	0.062	0.512		0.014	General
1454-LST	Scattered Tree	vriv0068	Endangered	1	no	0.200	0.070	0.062	0.450		0.013	General
1457-LST	Scattered Tree	vriv0061	Vulnerable	1	no	0.200	0.070	0.070	0.510		0.016	General
1463-LST	Scattered Tree	nis_0061	Vulnerable	1	no	0.200	0.070	0.070	0.907		0.020	General

SCENARIO TESTING

## Appendix 2: Information about impacts to rare or threatened species' habitats on site

This table lists all rare or threatened species' habitats mapped at the site.

Species common name	Species scientific name	Species number	Conservation status	Group	Habitat impacted	% habitat value affected
Euroa Guinea-flower	<i>Hibbertia humifusa subsp. erigens</i>	505083	Vulnerable	Dispersed	Habitat importance map	0.0030
Mugga	<i>Eucalyptus sideroxylon subsp. sideroxylon</i>	504493	Rare	Dispersed	Habitat importance map	0.0027
Rugose Toadlet	<i>Uperoleia rugosa</i>	13151	Endangered	Dispersed	Habitat importance map	0.0024
Western Silver Wattle	<i>Acacia decora</i>	500027	Vulnerable	Dispersed	Habitat importance map	0.0021
Yarran Wattle	<i>Acacia omalophylla</i>	500069	Endangered	Dispersed	Habitat importance map	0.0018
Plump Windmill Grass	<i>Chloris ventricosa</i>	500757	Vulnerable	Dispersed	Habitat importance map	0.0014
Narrow Goodenia	<i>Goodenia macbarronii</i>	501513	Vulnerable	Dispersed	Habitat importance map	0.0014
Northern Sandalwood	<i>Santalum lanceolatum</i>	503005	Endangered	Dispersed	Habitat importance map	0.0012
Common Fringe-sedge	<i>Fimbristylis dichotoma</i>	501368	Vulnerable	Dispersed	Habitat importance map	0.0012
Warby Range Swamp-gum	<i>Eucalyptus cadens</i>	503707	Vulnerable	Dispersed	Habitat importance map	0.0011
Dookie Daisy	<i>Brachyscome gracilis</i>	505494	Vulnerable	Dispersed	Habitat importance map	0.0009
Cottony Cassinia	<i>Cassinia ozothamnoides</i>	501560	Vulnerable	Dispersed	Habitat importance map	0.0009
Squirrel Glider	<i>Petaurus norfolcensis</i>	11137	Endangered	Dispersed	Habitat importance map	0.0009
Spur-wing Wattle	<i>Acacia triptera</i>	500097	Rare	Dispersed	Habitat importance map	0.0009
Mueller Daisy	<i>Brachyscome muelleroides</i>	500465	Endangered	Dispersed	Habitat importance map	0.0008
Grey-crowned Babbler	<i>Pomatostomus temporalis temporalis</i>	10443	Endangered	Dispersed	Habitat importance map	0.0008
Bent-leaf Wattle	<i>Acacia flexifolia</i>	500035	Rare	Dispersed	Habitat importance map	0.0007
Currawang	<i>Acacia doratoxylon</i>	500030	Rare	Dispersed	Habitat importance map	0.0007
Umbrella Grass	<i>Digitaria divaricatissima var. divaricatissima</i>	501045	Vulnerable	Dispersed	Habitat importance map	0.0007

Small-leaf Bush-pea	<i>Pultenaea foliolosa</i>	502848	Rare	Dispersed	Habitat importance map	0.0007
Western Golden-tip	<i>Goodia medicaginea</i>	501518	Rare	Dispersed	Habitat importance map	0.0007
Ausfeld's Wattle	<i>Acacia ausfeldii</i>	500013	Vulnerable	Dispersed	Habitat importance map	0.0006
Deane's Wattle	<i>Acacia deanei</i> subsp. <i>paucijuga</i>	504201	Rare	Dispersed	Habitat importance map	0.0006
Superb Parrot	<i>Polytelis swainsonii</i>	10277	Endangered	Dispersed	Habitat importance map	0.0006
Flat-leaf Bush-pea	<i>Pultenaea platyphylla</i>	502865	Rare	Dispersed	Habitat importance map	0.0005
Bush Stone-curlew	<i>Burhinus grallarius</i>	10174	Endangered	Dispersed	Habitat importance map	0.0005
Purple Diuris	<i>Diuris punctata</i>	501084	Vulnerable	Dispersed	Habitat importance map	0.0005
Stiff Groundsel	<i>Senecio behrianus</i>	503101	Endangered	Dispersed	Habitat importance map	0.0005
Dark Wire-grass	<i>Aristida calycina</i> var. <i>calycina</i>	503630	Rare	Dispersed	Habitat importance map	0.0005
Pepper Grass	<i>Panicum laevinode</i>	504808	Vulnerable	Dispersed	Habitat importance map	0.0005
Woolly Wattle	<i>Acacia lanigera</i> var. <i>lanigera</i>	505093	Rare	Dispersed	Habitat importance map	0.0005
Late-flower Flax-lily	<i>Dianella tarda</i>	505085	Vulnerable	Dispersed	Habitat importance map	0.0004
Yellow Hyacinth-orchid	<i>Dipodium hamiltonianum</i>	501067	Endangered	Dispersed	Habitat importance map	0.0004
Silver Tea-tree	<i>Leptospermum multicaule</i>	501960	Vulnerable	Dispersed	Habitat importance map	0.0004
Broom Bitter-pea	<i>Daviesia genistifolia</i> s.s.	503813	Rare	Dispersed	Habitat importance map ; special site	0.0004
Ridged Water-milfoil	<i>Myriophyllum porcatum</i>	502257	Vulnerable	Dispersed	Habitat importance map	0.0004
Striped Water-milfoil	<i>Myriophyllum striatum</i>	503869	Vulnerable	Dispersed	Habitat importance map	0.0004
Painted Honeyeater	<i>Grantiella picta</i>	10598	Vulnerable	Dispersed	Habitat importance map	0.0004
Barking Owl	<i>Ninox connivens connivens</i>	10246	Endangered	Dispersed	Habitat importance map	0.0004
Veiled Fringe-sedge	<i>Fimbristylis velata</i>	501369	Rare	Dispersed	Habitat importance map	0.0004
Golden Cowslips	<i>Diuris behrii</i>	501061	Vulnerable	Dispersed	Habitat importance map	0.0004
Hooded Mosquito-orchid	<i>Acianthus collinus</i>	505621	Vulnerable	Dispersed	Habitat importance map	0.0003
Small Scurf-pea	<i>Cullen parvum</i>	502773	Endangered	Dispersed	Habitat importance map	0.0003

Bearded Dragon	<i>Pogona barbata</i>	12177	Vulnerable	Dispersed	Habitat importance map	0.0003
Crimson Spider-orchid	<i>Caladenia concolor</i>	504347	Endangered	Dispersed	Habitat importance map	0.0003
Regent Honeyeater	<i>Anthochaera phrygia</i>	10603	Critically endangered	Dispersed	Habitat importance map	0.0003
Rosemary Grevillea	<i>Grevillea rosmarinifolia</i> subsp. <i>rosmarinifolia</i>	504066	Rare	Dispersed	Habitat importance map	0.0003
Southern Pygmy Perch (Murray-Darling lineage)	<i>Nannoperca australis</i> (Murray-Darling lineage)	903231	Vulnerable	Dispersed	Habitat importance map	0.0003
Brolga	<i>Grus rubicunda</i>	10177	Vulnerable	Dispersed	Habitat importance map	0.0003
Slender Club-sedge	<i>Isolepis congrua</i>	501773	Vulnerable	Dispersed	Habitat importance map	0.0003
Delicate Crane's-bill	<i>Geranium</i> sp. 6	505347	Vulnerable	Dispersed	Habitat importance map	0.0003
Pale Swamp Everlasting	<i>Coronidium gunnianum</i>	504655	Vulnerable	Dispersed	Habitat importance map	0.0003
Yellow-tongue Daisy	<i>Brachyscome chrysoglossa</i>	503654	Vulnerable	Dispersed	Habitat importance map	0.0003
Jericho Wire-grass	<i>Aristida jerichoensis</i> var. <i>subspinulifera</i>	504631	Endangered	Dispersed	Habitat importance map	0.0003
Rye Beetle-grass	<i>Tripogon loliiformis</i>	503455	Rare	Dispersed	Habitat importance map	0.0003
Fuzzy New Holland Daisy	<i>Vittadinia cuneata</i> var. <i>morrisii</i>	505060	Rare	Dispersed	Habitat importance map	0.0002
Tick Indigo	<i>Indigofera adesmiifolia</i>	503780	Vulnerable	Dispersed	Habitat importance map	0.0002
Silky Umbrella-grass	<i>Digitaria ammophila</i>	501041	Vulnerable	Dispersed	Habitat importance map	0.0002
Speckled Warbler	<i>Chthonicola sagittatus</i>	10504	Vulnerable	Dispersed	Habitat importance map ; special site	0.0002
Long Eryngium	<i>Eryngium paludosum</i>	501238	Vulnerable	Dispersed	Habitat importance map	0.0002
Dwarf Brooklime	<i>Gratiola pumilo</i>	503753	Rare	Dispersed	Habitat importance map	0.0002
Striped Legless Lizard	<i>Delma impar</i>	12159	Endangered	Dispersed	Habitat importance map	0.0002
Grey Grass-tree	<i>Xanthorrhoea glauca</i> subsp. <i>angustifolia</i>	507229	Endangered	Dispersed	Habitat importance map	0.0002
Pale Flax-lily	<i>Dianella</i> sp. aff. <i>longifolia</i> (Riverina)	507399	Vulnerable	Dispersed	Habitat importance map	0.0002
Swift Parrot	<i>Lathamus discolor</i>	10309	Endangered	Dispersed	Habitat importance map	0.0002

Carpet Python	<i>Morelia spilota metcalfei</i>	62969	Endangered	Dispersed	Habitat importance map	0.0002
Smooth Minuria	<i>Minuria integerrima</i>	502201	Rare	Dispersed	Habitat importance map	0.0002
Silver Perch	<i>Bidyanus bidyanus</i>	528544	Vulnerable	Dispersed	Habitat importance map	0.0002
Matted Flax-lily	<i>Dianella amoena</i>	505084	Endangered	Dispersed	Habitat importance map	0.0002
Velvet Daisy-bush	<i>Olearia pannosa subsp. cardiophylla</i>	502317	Vulnerable	Dispersed	Habitat importance map	0.0002
Waterbush	<i>Myoporum montanum</i>	502240	Rare	Dispersed	Habitat importance map	0.0002
Golden Sun Moth	<i>Synemon plana</i>	15021	Critically endangered	Dispersed	Top ranking map	0.0002
Hairy Hop-bush	<i>Dodonaea boroniifolia</i>	501087	Rare	Dispersed	Habitat importance map	0.0002
Branching Groundsel	<i>Senecio cunninghamii var. cunninghamii</i>	503104	Rare	Dispersed	Habitat importance map	0.0002
Grey Falcon	<i>Falco hypoleucos</i>	10236	Endangered	Dispersed	Habitat importance map	0.0002
Riverina Bitter-cress	<i>Cardamine moirensis</i>	505032	Rare	Dispersed	Habitat importance map	0.0002
Golden Sun Moth	<i>Synemon plana</i>	15021	Critically endangered	Dispersed	Habitat importance map	0.0002
Lanky Buttons	<i>Leptorhynchus elongatus</i>	501941	Endangered	Dispersed	Habitat importance map	0.0002
Floodplain Fireweed	<i>Senecio campylocarpus</i>	507136	Rare	Dispersed	Habitat importance map	0.0001
Water Shield	<i>Brasenia schreberi</i>	500487	Vulnerable	Dispersed	Habitat importance map	0.0001
Yarra Gum	<i>Eucalyptus yarraensis</i>	501326	Rare	Dispersed	Habitat importance map	0.0001
Buloke	<i>Allocasuarina luehmannii</i>	500678	Endangered	Dispersed	Habitat importance map	0.0001
Clover Glycine	<i>Glycine latrobeana</i>	501456	Vulnerable	Dispersed	Habitat importance map	0.0001
Rough-grain Love-grass	<i>Eragrostis trachycarpa</i>	501197	Rare	Dispersed	Habitat importance map	0.0001
Black Falcon	<i>Falco subniger</i>	10238	Vulnerable	Dispersed	Habitat importance map	0.0001
Dwarf Cassinia	<i>Cassinia diminuta</i>	507664	Rare	Dispersed	Habitat importance map	0.0001
Deane's Wattle	<i>Acacia deanei subsp. deanei</i>	504238	Endangered	Dispersed	Habitat importance map	0.0001
Kamarooka Mallee	<i>Eucalyptus froggattii</i>	501279	Rare	Dispersed	Habitat importance map	0.0001

Hairy Tails	<i>Ptilotus erubescens</i>	502825	Vulnerable	Dispersed	Habitat importance map	0.0001
Growling Grass Frog	<i>Litoria raniformis</i>	13207	Endangered	Dispersed	Habitat importance map	0.0001
Dense Mint-bush	<i>Prostanthera decussata</i>	502739	Rare	Dispersed	Habitat importance map	0.0001
Trailing Hop-bush	<i>Dodonaea procumbens</i>	501090	Vulnerable	Dispersed	Habitat importance map	0.0001
Button Rush	<i>Lipocarpa microcephala</i>	502020	Vulnerable	Dispersed	Habitat importance map	0.0001
Dwarf Bitter-cress	<i>Rorippa eustylis</i>	502944	Rare	Dispersed	Habitat importance map	0.0001
Spiny Rice-flower	<i>Pimelea spinescens subsp. spinescens</i>	504823	Endangered	Dispersed	Habitat importance map	0.0001
Lewin's Rail	<i>Lewinia pectoralis pectoralis</i>	10045	Vulnerable	Dispersed	Habitat importance map	0.0001
Murray-Darling Rainbowfish	<i>Melanotaenia fluviatilis</i>	4774	Vulnerable	Dispersed	Habitat importance map	0.0001
Smooth Darling-pea	<i>Swainsona galegifolia</i>	503992	Endangered	Dispersed	Habitat importance map	0.0001
Square-tailed Kite	<i>Lophoictinia isura</i>	10230	Vulnerable	Dispersed	Habitat importance map	0.0001
Twiggy Sida	<i>Sida intricata</i>	503143	Vulnerable	Dispersed	Habitat importance map	0.0001
Southern Swainson-pea	<i>Swainsona behriana</i>	504944	Rare	Dispersed	Habitat importance map	0.0001
Lace Monitor	<i>Varanus varius</i>	12283	Endangered	Dispersed	Habitat importance map	0.0001
Brush-tailed Phascogale	<i>Phascogale tapoatafa</i>	11017	Vulnerable	Dispersed	Habitat importance map	0.0001
Grey-headed Flying-fox	<i>Pteropus poliocephalus</i>	11280	Vulnerable	Dispersed	Habitat importance map	0.0001
Glandular Early Nancy	<i>Wurmbea biglandulosa subsp. biglandulosa</i>	503580	Rare	Dispersed	Habitat importance map	0.0001
Chestnut-rumped Heathwren	<i>Calamanthus pyrrhopygius</i>	10498	Vulnerable	Dispersed	Habitat importance map	0.0001
Hickory Wattle	<i>Acacia penninervis var. penninervis</i>	500074	Rare	Dispersed	Habitat importance map	0.0001
Murray Cod	<i>Maccullochella peelii</i>	4871	Vulnerable	Dispersed	Habitat importance map	0.0001
Flat-headed Galaxias	<i>Galaxias rostratus</i>	4692	Vulnerable	Dispersed	Habitat importance map	0.0001
Broad-shelled Turtle	<i>Chelodina expansa</i>	5133	Endangered	Dispersed	Habitat importance map	0.0001

Murray River Turtle	<i>Emydura macquarii</i>	5135	Vulnerable	Dispersed	Habitat importance map	0.0001
Australasian Shoveler	<i>Anas rhynchotis</i>	10212	Vulnerable	Dispersed	Habitat importance map	0.0000
Western Rat-tail Grass	<i>Sporobolus creber</i>	503228	Vulnerable	Dispersed	Habitat importance map	0.0000
Brown Toadlet	<i>Pseudophryne bibronii</i>	13117	Endangered	Dispersed	Habitat importance map	0.0000
Hardhead	<i>Aythya australis</i>	10215	Vulnerable	Dispersed	Habitat importance map	0.0000
Silky Swainson-pea	<i>Swainsona sericea</i>	504946	Vulnerable	Dispersed	Habitat importance map	0.0000
Grassland Velleia	<i>Velleia arguta</i>	503487	Rare	Dispersed	Habitat importance map	0.0000
White-throated Needletail	<i>Hirundapus caudacutus</i>	10334	Vulnerable	Dispersed	Habitat importance map	0.0000
Baillon's Crake	<i>Porzana pusilla palustris</i>	10050	Vulnerable	Dispersed	Habitat importance map	0.0000
Australian Painted Snipe	<i>Rostratula australis</i>	10170	Critically endangered	Dispersed	Habitat importance map	0.0000
Australian Little Bittern	<i>Ixobrychus dubius</i>	10195	Endangered	Dispersed	Habitat importance map	0.0000
Woodland Leek-orchid	<i>Prasophyllum sp. aff. validum A</i>	505904	Endangered	Dispersed	Habitat importance map	0.0000
Musk Duck	<i>Biziura lobata</i>	10217	Vulnerable	Dispersed	Habitat importance map	0.0000
Eastern Great Egret	<i>Ardea modesta</i>	10187	Vulnerable	Dispersed	Habitat importance map	0.0000
Common Pipewort	<i>Eriocaulon scariosum</i>	501218	Rare	Dispersed	Habitat importance map	0.0000
Intermediate Egret	<i>Ardea intermedia</i>	10186	Endangered	Dispersed	Habitat importance map	0.0000
Pale-flower Crane's-bill	<i>Geranium sp. 3</i>	505344	Rare	Dispersed	Habitat importance map	0.0000
Tufted Club-sedge	<i>Isolepis wakefieldiana</i>	501789	Rare	Dispersed	Habitat importance map	0.0000
Small Burr-grass	<i>Tragus australianus</i>	503418	Rare	Dispersed	Habitat importance map	0.0000
Blue-billed Duck	<i>Oxyura australis</i>	10216	Endangered	Dispersed	Habitat importance map	0.0000
Yellow Watercrown Grass	<i>Paspalidium flavidum</i>	507820	Endangered	Dispersed	Habitat importance map	0.0000
Forest Bitter-cress	<i>Cardamine papillata</i>	505034	Vulnerable	Dispersed	Habitat importance map	0.0000
Little Egret	<i>Egretta garzetta nigripes</i>	10185	Endangered	Dispersed	Habitat importance map	0.0000
Slender Violet-bush	<i>Hybanthus monopetalus</i>	501711	Rare	Dispersed	Habitat importance map	0.0000



Buloke Mistletoe	<i>Amyema linophylla subsp. orientalis</i>	500217	Vulnerable	Dispersed	Habitat importance map	0.0000
Two-colour Panic	<i>Panicum simile</i>	502408	Vulnerable	Dispersed	Habitat importance map	0.0000
White-bellied Sea-Eagle	<i>Haliaeetus leucogaster</i>	10226	Vulnerable	Dispersed	Habitat importance map	0.0000
Spiny Lignum	<i>Duma horrida subsp. horrida</i>	502230	Rare	Dispersed	Habitat importance map	0.0000
Powerful Owl	<i>Ninox strenua</i>	10248	Vulnerable	Dispersed	Habitat importance map	0.0000
Australasian Bittern	<i>Botaurus poiciloptilus</i>	10197	Endangered	Dispersed	Habitat importance map	0.0000
Freshwater Catfish	<i>Tandanus tandanus</i>	528545	Endangered	Dispersed	Habitat importance map	0.0000
Large-flower Crane's-bill	<i>Geranium sp. 1</i>	505342	Endangered	Dispersed	Habitat importance map	0.0000
Common Bent-wing Bat (eastern ssp.)	<i>Miniopterus schreibersii oceanensis</i>	61342	Vulnerable	Dispersed	Habitat importance map	0.0000
Slender Darling-pea	<i>Swainsona murrayana</i>	503321	Endangered	Dispersed	Habitat importance map	0.0000
Spotted Emu-bush	<i>Eremophila maculata subsp. maculata</i>	501204	Rare	Dispersed	Habitat importance map	0.0000
Slender Stylewort	<i>Levenhookia sonderi</i>	501998	Rare	Dispersed	Habitat importance map	0.0000
Elegant Parrot	<i>Neophema elegans</i>	10307	Vulnerable	Dispersed	Habitat importance map	0.0000
Small Milkwort	<i>Comesperma polygaloides</i>	500798	Vulnerable	Dispersed	Habitat importance map	0.0000
Freckled Duck	<i>Stictonetta naevosa</i>	10214	Endangered	Dispersed	Habitat importance map	0.0000
Grey Goshawk	<i>Accipiter novaehollandiae novaehollandiae</i>	10220	Vulnerable	Dispersed	Habitat importance map	0.0000
Arching Flax-lily	<i>Dianella sp. aff. longifolia (Benambra)</i>	505560	Vulnerable	Dispersed	Habitat importance map	0.0000
Plump Swamp Wallaby-grass	<i>Amphibromus pithogastrus</i>	503624	Endangered	Dispersed	Habitat importance map	0.0000
Brackish Plains Buttercup	<i>Ranunculus diminutus</i>	504314	Rare	Dispersed	Habitat importance map	0.0000
Swamp Everlasting	<i>Xerochrysum palustre</i>	503763	Vulnerable	Dispersed	Habitat importance map	0.0000
Purple Blown-grass	<i>Lachnagrostis punicea subsp. punicea</i>	504206	Rare	Dispersed	Habitat importance map	0.0000
Swamp Fireweed	<i>Senecio psilocarpus</i>	504659	Vulnerable	Dispersed	Habitat importance map	0.0000

Woolly Ragwort	<i>Senecio garlandii</i>	505246	Endangered	Dispersed	Habitat importance map	0.0000
Plains Yam-daisy	<i>Microseris scapigera s.s.</i>	504657	Vulnerable	Dispersed	Habitat importance map	0.0000
Blue Burr-daisy	<i>Calotis cuneifolia</i>	500594	Rare	Dispersed	Habitat importance map	0.0000
Yellow Burr-daisy	<i>Calotis lappulacea</i>	500598	Rare	Dispersed	Habitat importance map	0.0000
Austral Crane's-bill	<i>Geranium solanderi var. solanderi s.s.</i>	505337	Vulnerable	Dispersed	Habitat importance map	0.0000

#### Habitat group

- Highly localised habitat means there is 2000 hectares or less mapped habitat for the species
- Dispersed habitat means there is more than 2000 hectares of mapped habitat for the species

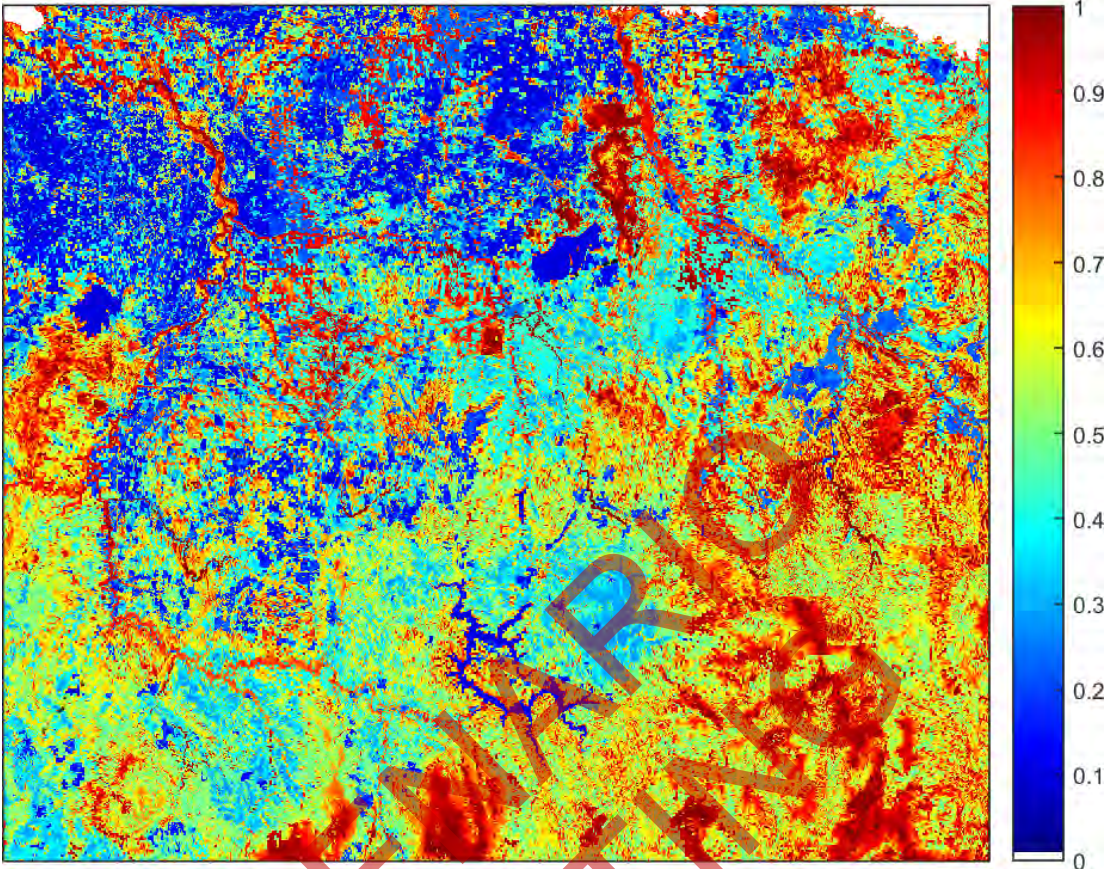
#### Habitat impacted

- Habitat importance maps are the maps defined in the Guidelines that include all the mapped habitat for a rare or threatened species
- Top ranking maps are the maps defined in the Guidelines that depict the important areas of a dispersed species habitat, developed from the highest habitat importance scores in dispersed species habitat maps and selected VBA records
- Selected VBA record is an area in Victoria that represents a large population, roosting or breeding site etc.

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# Appendix 3 – Images of mapped native vegetation

## 2. Strategic biodiversity values map



# SCENARIO TESTING

# Appendix H

KBR (2020a) Overhead  
Powerline Biodiversity  
Assessment Report

**KBR**

Inland Rail  
Phase 2  
Tottenham to  
Albury Technical  
& Approvals  
Consultancy  
Services



*We Deliver*



Overhead Powerline Biodiversity Assessment  
Report

Overhead Powerline  
Biodiversity  
Assessment Report



# Inland Rail Phase 2 Tottenham to Albury Technical & Approvals Consultancy Services

Prepared for:  
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21 February 2020

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KBR Project No. SET757

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### Limitations Statement

The sole purpose of this report and the associated services performed by Kellogg Brown & Root Pty Ltd (KBR) is to assess biodiversity values in accordance with the scope of services set out in the contract between KBR and Australian Rail Track Corporation ('the Client'). That scope of services was defined by the requests of the Client, by the time and budgetary constraints imposed by the Client, and by the availability of access to the site.

KBR derived the data in this report primarily from visual inspections and examination of records in the public domain made on the dates indicated. The passage of time, manifestation of latent conditions or impacts of future events may require further exploration at the site and subsequent data analysis, and re-evaluation of the findings, observations and conclusions expressed in this report.

In preparing this report, KBR has relied upon and presumed accurate certain information (or absence thereof) relative to the sites provided by government officials and authorities, the Client and others identified herein. Except as otherwise stated in the report, KBR has not attempted to verify the accuracy or completeness of any such information.

No warranty or guarantee, whether express or implied, is made with respect to the data reported or to the findings, observations and conclusions expressed in this report. Further, such data, findings, observations and conclusions are based solely upon site conditions in existence at the time of the investigation.

This report has been prepared on behalf of and for the exclusive use of the Client, and is subject to and issued in connection with the provisions of the agreement between KBR and the Client. KBR accepts no liability or responsibility whatsoever for or in respect of any use of or reliance upon this report by any third party.

### Revision History

Revision	Date	Comment	Signatures			
			Originated by	Checked by	Technical Approval	Project Approval
A	03/12/19	Preliminary	A. Rigg	N/A	N/A	R. Hunt
0	21/02/20	Final	J. Manders	A. Rigg	A-M. Penna	R. Hunt



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# 1 Introduction

## 1.1 PROJECT DESCRIPTION

The Australian Government has committed to delivering a significant piece of national transport infrastructure by constructing a high performance and direct interstate freight rail corridor between Melbourne and Brisbane.

The Tottenham to Albury (T2A) enhancement works is the Victorian section and an important part of Inland Rail.

The T2A project objective is to provide vertical and horizontal clearance to facilitate the operation of double-stacked freight trains along the North East Line. Clearance will be provided by either lowering tracks or replacing bridges with a taller structure (referred to as Enhancement Sites). The project will also require the slewing of existing tracks and relocation of signal structures. Ancillary work for T2A includes modifications of overhead powerlines to provide the requisite clearance for double-stacked freight trains.

As the location of the rail intermodal terminal facility at the southern end of the T2A project is yet to be determined, the T2A project is currently being progressed in two stages. The first stage is comprised of discrete project areas from Beveridge to Albury (T2A - Stage 1). Sites north of Beveridge are currently at reference design stage. Further engineering design and environmental surveys on the sites south of Beveridge have been placed on hold. Development of the sites south of Beveridge is contingent on the intermodal decision and as such sites may not be constructed if the intermodal terminal is built at Beveridge.

## 1.2 ASSESSMENT SCOPE

The Australian Rail Track Corporation (ARTC) identified overhead powerlines crossing the rail that require modification to provide the required clearance for double-stacked freight trains from Beveridge to Albury (T2A – Stage 1).

The overhead line assets are owned and managed by AusNet (distribution powerlines), VicTrack (lines for lighting or signalling) and local Council (low voltage lines for lighting).

Potential biodiversity impacts associated with the overhead powerlines are the focus of this report. In total there are 100 project areas that have been assessed for biodiversity impacts, encompassing the 145 overhead powerlines which require modification.

Modifications to overhead powerlines include the proposed treatments provided in Table 1. The treatment type associated with each asset and project area is included in Table 3, Table 4 and Appendix A and B.

Table 1. Description of modification works

Treatment type	Description of works
Replace pole	Pole replacements require removal of the existing pole by winch truck; and a new pole installed by bore. The replacement pole will be installed into the existing hole where practicable. Ground disturbance will be minimised and is limited to the area around the pole installation area.
Relocate overhead	This treatment can include re-tensioning wires, requiring access by elevated work platforms and trucks but no intrusive ground-disturbing works. However, typically the works involve installing a new pole and then running new overhead conductors between the existing poles and new poles. This is typically done when poles get to the end of their design life and is routinely done as part of the asset owners maintenance program.
Relocate underground	Underground relocation of electrical and telecommunications assets will be by horizontal boring or open trenching. The bore will be located in an entry/exit point and drilled to a depth of up to 5 m. A tipper truck and excavator will be used to collect drilling spoil that will be disposed of according to the Environmental Protection Agency (EPA) requirements. The entry and exit points for the bore will generally be about 10 m <sup>2</sup> . There is usually some flexibility in positioning the entry and exit points longitudinally to avoid sensitive areas. Trenching will be used in some instances over short distances, mainly to connect assets from the exit point with infrastructure.

There are also six overhead poles that will be decommissioned. Access may be required for minor electrical works for decommissioning. Ground disturbing works for decommissioning are limited to removal of the existing pole however in some cases the base of the pole will be left in situ. These types of works are routinely done under the asset owners maintenance program.

There are no proposed changes to the operation of the existing electrical assets, and no ecological impacts due to operation of the assets are predicted, therefore operational impacts are excluded from this assessment.

All track slews, track lowers and bridge replacement sites have been considered in separate ecological investigations (refer to KBR 2020b).

### 1.3 BACKGROUND

The proposed overhead powerline scope involves works to existing assets in previously disturbed areas where vegetation is maintained to provide safe clearances from powerlines under the *Electricity Safety (Electric Line Clearance) Regulations 2015* and its Schedule – Code of Practice for Electric Line Clearance. Despite the clearance requirements there is still potential to impact on threatened species and communities and some vegetation will need to be removed for the T2A – Stage 1 works.

Desktop and field-based assessments were commissioned by ARTC to understand the potential for significant biodiversity values to occur at each overhead powerline site and to understand the potential legislative implications for the project; notably whether there is potential for increased or additional impacts to ecological values that need to be included in the T2A – Stage 1 projects' EPBC Act and EE Act referrals. Predicted ecological impacts associated with the track lowers, slews, bridge replacements and signal modifications for T2A – Stage 1, meet referral criteria under the *Environmental Protection and Biodiversity Conservation Act 1999* (EPBC Act) and the *Environment Effects Act 1978* (EE Act).

The Inland Rail Overhead Power Line Sites Desktop Ecological Assessment (ABZECO 2019) assessed 107 overhead powerline sites between Beveridge and Albury, for the potential presence of ecological risk factors.

Following further investigation, seven project areas have been removed from the scope as it has been determined that there is sufficient clearance in these areas and no works are required. The remaining 100

sites constitute the project areas for this report and include areas required for access and construction activities to modify the overhead powerlines.

Recommendations from Overhead Power Line Desktop Assessment (ABZECO 2019) include field surveys to confirm the findings of the desktop assessment. As per these recommendations, this assessment included field-based surveys of all powerline project areas. Eighteen project areas were subject to detailed targeted flora surveys, with the remaining 82 overhead powerline project areas being subject to rapid field assessments. The risk rating used in the desktop assessment is detailed in section 3.

#### 1.4 OBJECTIVE

The current field assessment was designed to confirm the findings of the desktop assessment and identify where further detailed vegetation and targeted fauna assessments are required.

The objective of the assessment is to confirm the potential presence of ecological values identified within the desktop assessment (ABZECO 2019). The report provides a discussion of the project impacts and recommendations to achieve approvals for the project under the following legislation:

- Commonwealth EPBC Act
- Victorian EE Act
- Victorian *Flora and Fauna Guarantee Act 1988* (FFG Act)
- Victorian *Planning and Environment Act 1987* (P&E Act).

The outcomes and recommendations of this report are to be considered as part of the overall project impact and approval requirements for T2A – Stage 1.

## 2 Applicable Legislation

### 2.1 ENVIRONMENT PROTECTION AND BIODIVERSITY CONSERVATION ACT 1999

The Commonwealth EPBC Act protects matters of national environmental significance (MNES), including world heritage properties, national heritage places, Ramsar wetlands, commonwealth marine areas, threatened species, ecological communities and migratory species.

Determination of the presence or absence of MNES and predicted impacts to relevant species and communities are considered further in this report to determine whether project impacts could potentially be 'significant', requiring the project to be referred to the Commonwealth Environment Minister.

### 2.2 ENVIRONMENT EFFECTS ACT 1978

The EE Act provides for assessment of proposed projects that are capable of having a significant effect on the environment. This includes potential impacts to ecological, heritage, cultural and social values. The EE Act requires consideration of 'whole of project' impacts, however, this report is limited to the ecological impacts of the overhead powerline scope. Consideration of 'whole of project' impacts is provided in the EES referral.

The *Ministerial guidelines for assessment of environmental effects under the Environment Effects Act 1978* (DSE 2006) (The Ministerial guidelines) provide referral criteria for individual types of potential effects on the environment and for combinations of potential effects on the environment. Only ecological EES referral criteria are considered in this report.

Guidelines to determine whether a referral to the Minister is required include the following individual criteria relevant to ecological values and potential impacts in the project areas (DSE 2006):

- potential clearing of 10 ha or more of native vegetation from an area that is an endangered Ecological Vegetation Class (EVC) or is of very high conservation significance.
- potential long-term loss of a significant proportion (1 to 5 per cent) of known remaining habitat or population of a threatened species within Victoria.

Other individual EES referral criteria such as greenhouse gas emissions, are not considered in this report which is limited to consideration of ecological criteria.

The Ministerial guidelines (DSE 2006) also include multiple criteria triggers, where a combination of two or more criteria require a referral. Relevant combination criteria with regards to the projects' potential ecological impacts include:

- potential clearing of 10 ha or more of native vegetation
- matters listed under the FFG Act:
  - potential loss of a significant area of a listed ecological community.
  - potential loss of genetically important population of and endangered or threatened species, including the loss or fragmentation of habitats.
  - potential loss of critical habitat.

- potential significant effects on habitat values of a wetlands supporting migratory bird species.

### 2.3 FLORA AND FAUNA GUARANTEE ACT 1988

The FFG Act identifies and protects threatened native flora and fauna species, populations or ecological communities or their habitats. The FFG Act is administered by the Department of Environment, Land, Water and Planning (DELWP).

Flora and fauna species, and communities that are listed as threatened and protected under the Act are considered in this assessment.

### 2.4 PLANNING AND ENVIRONMENT ACT 1987

The P&E Act outlines the legislative frameworks for planning in Victoria and for the development and administration of planning schemes. The P&E Act is administered by each local council through controls established in their respective planning schemes. It is likely that planning approval will be obtained for the project via a planning scheme amendment, due in part to being a project of state and national importance.

All planning schemes contain native vegetation provisions under Clause 52.17, which require a planning permit to remove, destroy or lop native vegetation. Where vegetation to be removed is considered to meet native patch or scattered tree definitions (DELWP 2017a) applications are required to meet the requirements of the Guidelines for the removal, destruction and lopping of native vegetation (DELWP 2017a), referred to as the Guidelines.

# 3 Desktop Assessment

## 3.1 DESKTOP ASSESSMENT

The desktop assessment (ABZECO 2019) included a review of databases to determine all relevant terrestrial and aquatic flora and fauna, and ecological communities within a 5 km radius of the identified overhead powerline project areas, including:

- The DELWP Native vegetation information management tool (including modelled location categories, habitat importance maps for rare and threatened species, modelled EVC extents and bioregional conservation status management boundaries)
- EVC benchmarks on descriptions and characteristics for EVCs of each bioregion
- The Victorian Biodiversity Atlas, for previous records of flora and fauna
- The Commonwealth Protected Matters search tool
- Current listed Threatened and Protected species list under the FFG Act
- Planning maps online and Planning Schemes Online
- Aerial photography of the study areas
- Google Maps™ images of accessible parts of all road-accessible project areas.

From these data sources, a likelihood of occurrence assessment was completed to identify the risk level to threatened ecological communities, flora and fauna. The following is an extract of ABZECO (2019) likelihood of occurrence rating criteria (Figure 1).

Box 1. Desktop Likelihood of Occurrence Rating Criteria
<p><b>Unlikely:</b></p> <ul style="list-style-type: none"> <li>• Threatened species and communities considered locally or regionally absent.</li> <li>• The site is generally outside of the threatened species range, there are very few or no records nearby (less than 5), and/or any past records are very old (pre-1980).</li> <li>• Habitat appears absent or unsuitable for the threatened species or community concerned.</li> </ul> <p><b>Low:</b></p> <ul style="list-style-type: none"> <li>• Habitat areas classed as being of low quality, appear fragmented with few structural elements such as tussock/hummock forming grasses or sedges, inter-tussock spaces, understorey shrubs, logs, rocks and potential hollow-bearing trees.</li> <li>• Connectivity with higher quality patches may be limited or absent.</li> <li>• Patches may be weed infested, have little or no natural regeneration, and remaining indigenous species are likely under threat from invasive exotic species.</li> <li>• No species of conservation significance are known or likely to occur there, there are few records nearby (usually less than 10), and/or any past records are over 20-30 years old.</li> </ul> <p><b>Moderate:</b></p> <ul style="list-style-type: none"> <li>• Some structural elements appear to have been lost, and invasive species may not be dominant over indigenous species.</li> <li>• There is usually some connectivity with adjacent habitat of apparent equal or greater quality.</li> <li>• The site may provide suitable habitat for flora or fauna of conservation significance known or likely to occur in the area.</li> <li>• Some recent and historic records for the threatened species in the local area, usually less than 20 years old.</li> </ul> <p><b>High:</b></p> <ul style="list-style-type: none"> <li>• Most structural elements for fauna appear present, understorey species appear healthy.</li> <li>• The site appears to support habitat or vegetation that is part of a mosaic of relatively contiguous vegetation with connectivity to other areas of habitat.</li> <li>• The habitat/vegetation is likely to provide suitable habitat for flora and/or fauna of conservation significance known or considered highly likely to occur in the area, even if dominated by weeds.</li> <li>• The threatened species is considered likely to be present based on the number of records from recent surveys or historically reported within or near to the study area (generally greater than 10), and/or records usually being less than 20 years old.</li> </ul>

Figure 1. Extract of likelihood of occurrence rating criteria based on desktop information

The findings of the desktop report are summarised in Table 2 below, where threatened ecological communities, flora or fauna species have been identified as having moderate or high likelihood of occurrence. Additionally, ABZECO (2019) identified requirements for further surveys, including target species, survey method and timeline for surveys, to confirm the presence of these species.

It was also recommended that field verification of project areas with low likelihood or unlikely presence of threatened ecological communities, flora and fauna, occur to confirm the presence of native vegetation within the project areas.



Table 2: Potential threatened flora species and communities table identified from the desktop assessment.

Threatened ecological communities/Species	Scientific Name	EPBC Act*	FFG Act	Project areas with likely occurrence
THREATENED ECOLOGICAL COMMUNITIES				
Grey Box Grassy Woodland and Derived Native Grasslands of South-Eastern Australia (GBGW)	-	E	-	56, 57, 58, 60, 70, 71, 83, 84, 86, 87, 88, 103, 109, 112, 113
White Box-Yellow Box-Blakely's Red Gum Woodland and Derived Native Grassland (WBYYBRGW)	-	CE	-	56, 57, 58, 60, 68, 70, 71, 83, 84, 86, 87, 88, 89, 90, 91, 100, 108, 109
THREATENED FLORA				
Clover Glycine	<i>Glycine latrobeana</i>	V	threatened	70
Crimson Spider Orchid	<i>Caladenia concolor</i>	V	threatened	112, 113
Deane's Wattle	<i>Acacia deanei</i>	-	threatened	112, 113
Euroa Guinea-flower	<i>Hibbertia humifusa</i> ssp. <i>erigens</i>	V	threatened	60
Mountain Swainson-pea	<i>Swainsona recta</i>	E	threatened	83,84
Narrow Goodenia	<i>Goodenia macbarronii</i>	-	threatened	60,86,87,88,89
Northern Sandalwood	<i>Santalum lanceolatum</i>	-	threatened	86,87,88,89
Purple Diuris	<i>Diuris punctata</i> var. <i>punctata</i>	-	threatened	70,71,83,84,86,87,88,89,90,91,92
Warby Range Swamp Gum	<i>Eucalyptus cadens</i>	V	threatened	86, 89
THREATENED FAUNA				
Barking Owl	<i>Ninox connivens</i>	-	threatened	99,100,108,109,112,113,122
Brown Toadlet	<i>Pseudophryne bibronii</i>	-	threatened	127, 29
Brush-tailed Phascogale	<i>Phascogale tapoatafa</i>	-	threatened	36, 38, 44, 46, 140, 51, 55, 56, 57, 58, 60, 108, 109, 112, 113, 122
Golden Sun Moth	<i>Synemon plana</i>	CE	threatened	29, 30, 33, 34, 35, 36, 37, 38, 41, 46
Grey-headed Flying-fox	<i>Pteropus poliocephalus</i>	VU	threatened	122
Growling Grass Frog	<i>Litoria raniformis</i>	V	threatened	127, 29, 30, 33, 34, 36, 37, 41
Powerful Owl	<i>Ninox strenua</i>	-	threatened	99, 100, 112, 113
Regent Honeyeater	<i>Anthochaera phrygia</i>	CE	threatened	83, 84, 86, 88, 89, 109, 112, 113
Sloane's Froglet	<i>Crinia sloanei</i>	E	-	127, 29, 99, 100, 108, 109
Squirrel Glider	<i>Petaurus norfolcensis</i>	-	threatened	54, 55, 56, 57, 58, 60, 68, 83, 86, 87, 99, 100, 108, 109, 112, 113
Striped Legless Lizard	<i>Delma impar</i>	V	threatened	33, 34, 35, 36, 37, 38, 41, 44, 46, 87,
Swift Parrot	<i>Lathamus discolor</i>	CE	threatened	122
Turquoise Parrot	<i>Neophema pulchella</i>	-	threatened	83, 86, 87, 88, 89, 108, 109, 112, 113
Blue-billed Duck	<i>Oxyura australis</i>	-	threatened	122
Diamond Firetail	<i>Stagonopleura guttata</i>	-	threatened	122

Threatened ecological communities/Species	Scientific Name	EPBC Act*	FFG Act	Project areas with likely occurrence
Bush Stone-curlew	<i>Burhinus grallarius</i>	-	threatened	113, 122
Freckled Duck	<i>Stictonetta naevosa</i>	-	threatened	122
Eastern Great Egret	<i>Ardea modesta</i>	-	threatened	122
Intermediate Egret	<i>Ardea intermedia</i>	-	threatened	122
White-bellied Sea-eagle	<i>Haliaeetus leucogaster</i>	-	threatened	122

\*CE – critically endangered

E – endangered

V - vulnerable

# 4 Methods

Literature and data review comprising database searches and previous assessments were used to inform the design and completion of field assessments. As noted in Section 1.3, two separate field assessments were undertaken for all powerline project areas based on potential ecological risk and to confirm the ABZECO (2019) desktop assessment results (Table 2).

- A rapid field based biodiversity assessment was undertaken for 82 project areas with low ecological value and deemed to be a low risk, or considered to have moderate potential for threatened fauna to occur.
- A targeted flora survey was carried out in 18 project areas identified by the desktop as having a high or moderate likelihood of supporting threatened flora and vegetation communities. These have been highlighted in Table 2.

## 4.1 RAPID BIODIVERSITY ASSESSMENT

The field assessment was undertaken over five days on the 6<sup>th</sup>, 7<sup>th</sup>, 8<sup>th</sup>, 12<sup>th</sup> and 13<sup>th</sup> of November 2019 as a rapid review of 82 overhead powerline project areas to confirm desktop results (ABZECO 2019).

Assessments were primarily completed from public road reserves and rail reserve. Access was agreed with private landholders and managers to access a total of 14 private land parcels within the 82 powerline project areas. Project areas with restricted access to some or all of the area are identified in Table 3, and Appendix A.

The rapid assessment was undertaken to confirm the presence of:

- habitat for threatened flora and fauna species listed under the EPBC Act and FFG Act; based on vegetation condition and requirements of species identified in ABZECO (2019).
- threatened ecological communities listed under the EPBC Act or FFG Act; based on dominant overstorey species, and estimates on patch size, tree density and cover estimates and general observations on understorey cover and diversity.
- patch vegetation (and likely EVC type); which meet the requirements for native patch, including tree cover and understorey cover >25% of native species (DELWP 2017a); however, no Vegetation Quality Assessment (VQA) assessments or mapping of native patch extents were completed.
- presence of scattered trees; as defined by DELWP (DELWP 2017a), however, no mapping or tree values (species, diameter at breast height) were recorded.
- native vegetation; that would trigger a permit to remove under Clause 52.17 of the Victoria Planning Provisions; that is not considered to meet patch definition under the Guidelines (DELWP 2017a).

The results of the assessment for each project area is provided in Appendix A. The extent of threatened ecological communities and habitat for threatened flora and fauna species was noted during the assessment and the extent mapped in Appendix C.

#### 4.1.1 Limitations

The following limitations apply to the rapid biodiversity assessment:

- The findings presented here represent a rapid visual assessment of the vegetation and habitat within the powerline project areas. These values will need to be confirmed during detailed investigations.
- Assessments of the potential presence of threatened ecological communities were based solely on visual assessments and general observations completed from accessible areas to determine consistency with the listed community. Detailed flora assessments to confirm the presence and extent of Threatened ecological communities (TECs) in accordance with policy information on each community will be required during detailed investigations.
- Targeted surveys have not been undertaken for threatened flora or fauna within these project areas, instead suitable and potential habitat for threatened species has been recorded where present.
- No assessments were completed on 23 private land parcels where access was not agreed to by the landholder. Observations of these parcels from adjacent areas were made on the potential for threatened species habitat, threatened ecological communities and native patch vegetation, where possible. Values on land where access was not granted (see Appendices A and B) will need to be confirmed, through detailed field investigations once access has been granted.

#### 4.2 TARGETED FLORA SURVEY

The outcomes of the Inland Rail Overhead Power Line Sites Desktop Ecological Assessment (ABZECO 2019) were used to inform the targeted surveys.

A total of 18 powerline project areas were considered to have a moderate to high risk for threatened flora species and/or threatened ecological communities to be present. These project areas were included in the Targeted Flora Survey.

The field assessments were completed over six days in spring on the 18<sup>th</sup> and 19<sup>th</sup> of September and the 7<sup>th</sup>, 22<sup>nd</sup>, 23<sup>rd</sup> and 24<sup>th</sup> of October 2019.

The project areas were visually inspected using the grid survey technique described by Cropper (1993). Two suitably qualified ecologists searched the project areas by walking in parallel lines at a maximum spacing of 5 m. Given that threatened flora species are often small, this distance was usually closer to 2 m. Any findings were noted, and individual plant locations were captured using a hand-held Global Positioning System (GPS) and mapped (see Appendix D).

These project areas also include potential habitat for threatened fauna species and threatened ecological communities (ABZECO 2019). Any likely threatened ecological communities and potential habitat for threatened fauna are noted in Appendix B and likely extents within project areas indicated in Appendix D.

Where native patch vegetation and scattered trees, as defined under DELWP (2017), were considered to be present within the overhead powerline project areas, these were noted during the Targeted Flora Survey. The presence of native patch, the likely EVC type and presence of scattered trees is indicated in Appendix B.

#### 4.2.1 Limitations

The following limitations apply to the Targeted Flora assessment:

- Six project areas were unable to be surveyed, as landholder access approval to private property had not yet been granted. Assessments were made from the closest accessible areas. Project areas with limitations on accessibility are noted in Table 4 and Appendix B. Ecological values will need to be confirmed during detailed investigations following landholder access approval.

- Detailed assessments against policy information (including number of species, presence of important species and detailed cover estimates) have not been completed in determining likely presence of threatened ecological communities. Detailed flora assessments to confirm the presence and extent of TECs in accordance with policy information on each community will be required during detailed investigations.
- No targeted surveys were completed for threatened fauna species, with potential habitat noted based on the attributes and habitat requirements of threatened fauna species with potential to occur. Additional targeted fauna surveys may be required to confirm presence of threatened fauna species.
- No VQA assessments or mapping of native patch extents and scattered tree locations were completed.

# 5 Results

## 5.1 RAPID BIODIVERSITY ASSESSMENT

The results of the rapid assessment are provided in Table 2 below. An expanded table, including the values identified at each project area during the desktop assessment, the field verification, and images of the project areas, is provided in Appendix A. This includes confirmation of the desktop assessment for the presence of habitat for threatened flora and fauna and the likely presence of a threatened ecological community (TEC).

A single FFG Act fauna species, brown toadlet (*Pseudophryne bibronii*) was heard calling within a drainage line, west of Chiltern at Powerline Project Area 109. No other EPBC Act or FFG Act listed threatened flora or fauna species were identified at sites where rapid biodiversity assessment was completed.

### 5.1.1 General findings

Twenty powerline project areas contained no ecological values. These project areas were generally located along roads at level crossings or within regional towns, including Wangaratta, Benalla and Seymour. A further 18 project areas contained some scattered native vegetation, however, did not meet native patch or scattered tree definition (DELWP 2017a) and are not considered to provide habitat for any listed threatened species or community.

The remaining 42 powerline project areas contain at least some native patch vegetation, scattered trees and habitat. This includes:

- 26 powerline project areas with native patch vegetation (likely EVC type is provided in Appendix C).
- 27 powerline project areas with scattered trees.
- 7 powerline project areas with potential TEC within/adjacent to the project area, including:
  - 3 powerline project areas with potential GBGW.
  - 2 powerline project areas with potential WBYBBRGGW.
  - 3 powerline project areas with Victorian temperate woodland bird community (VTWBC).
- 5 powerline project areas have potential habitat for threatened fauna species.
  - 1 powerline project area (Powerline Project Area 109) with habitat for Sloane's froglet and brown toadlet.
  - 2 powerline project areas with potential habitat for growling grass frog, including two with terrestrial habitat (Project Area 127) and aquatic habitat at Merri Creek (Project Area 29). Project works at Project Area 127 are not expected to impact upon the growling grass frog habitat. Project Area 30 also has potential growling grass frog habitat adjacent to it, though this is not expected to be impacted by project works.
  - 2 powerline project areas with potential habitat for golden sun moth (Project Areas 37 and 38).

- no powerline project areas had potential habitat for threatened flora species.

The majority of powerline project areas were in a similar condition, where trees and tall shrubs have been removed directly beneath the powerlines, with cleared areas extending in widths from 5 m to 10 m out from the powerlines. In most instances, the vegetation usually consisted of derived grassland areas, with occasional low shrubs and regenerating eucalypts. In some cases the vegetation comprised sufficient cover and diversity to be considered a TEC, notably GBGW and WBYBBRGW. In other locations, these significant communities were present surrounding the project area, but previous disturbance under the powerlines has resulted in disturbed vegetation that does not qualify as any TEC. An example of the typical vegetation structure beneath a powerline is shown in Figure 2 below.



Figure 2. Typical vegetation and habitat present beneath overhead powerlines

Native vegetation patches, including those that were considered potential habitat for threatened flora and fauna species and threatened ecological communities, were more frequently recorded within road and rail reserves. Powerline project areas close to high activity areas, including road level crossings, regional towns and around railway stations, were more likely to be degraded, often containing no native vegetation or only scattered native grasses that did not meet patch definition (DELWP 2017a). Private land was generally cleared of native vegetation and habitat and was predominately grazed paddocks with exotic pasture. An example of the vegetation typically present at project areas in high activity areas is shown in Figure 3 below.



Figure 3. Typical vegetation present beneath overhead powerlines adjacent to roads (photo taken in Wangaratta)

Woodland vegetation and habitat did occur within a large number of powerline project areas. The trees comprising the woodland habitat generally presented at the outer edge of the project area. Woodland habitats then generally extended away from the overhead powerlines.



Table 3: Rapid biodiversity assessment results per project area and summary of the proposed works.

Site Number	Chainage	Asset Type	Summary of proposed works	Native Vegetation Present (52.17)	Native patch (DELWP 2017a)	Scattered trees (DELWP 2017a)	Threatened ecological community	Threatened flora habitat	Threatened fauna habitat
127	47.26	Electrical LV	Relocate underground	Yes	Yes	No	No	No	Yes (EPBC Act & FFG Act)
29	48.4	Electrical 22kV	Replace pole	Yes	Yes	No	No	No	Yes (EPBC Act & FFG Act)
30	50.65	Electrical LV	Relocate Underground	Yes	No	No	No	No	Yes (EPBC Act & FFG Act) adjacent to project area
128	53.39	Electrical 22kV	Replace pole	Yes	Yes	Yes	No	No	No
		Electrical LV	Relocate Underground						
31 (includes some inaccessible private land)	54.39	Electrical 22kV	Relocate Overhead	Yes*	No*	Yes*	No*	No*	No*
32	55.11	Communications	Decommission or abandon – access only	No	No	No	No	No	No
33	64.22	Electrical 66kV	Replace pole	Yes	Yes	No	No	No	No
		Electrical 22kV	Replace pole						
34	65.31	Electrical 22kV	Replace pole	Yes	Yes	No	No	No	No
35 (includes some inaccessible private land)	67.04	Electrical 22kV	Replace pole	Yes*	Yes*	Yes*	No*	No*	No*
36	70.2	Electrical LV	Replace pole	Yes	Yes	No	Yes (EPBC Act)	No	No

Site Number	Chainage	Asset Type	Summary of proposed works	Native Vegetation Present (52.17)	Native patch (DELWP 2017a)	Scattered trees (DELWP 2017a)	Threatened ecological community	Threatened flora habitat	Threatened fauna habitat
37 (includes some inaccessible private land)	71.63	Electrical 22kV	Replace pole	Yes*	Yes*	Yes*	Yes* (FFG Act)	No*	Yes* (EPBC Act & FFG Act)
38 (includes some inaccessible private land)	73.43	Electrical 22kV	Replace pole	Yes*	Yes*	No*	Yes* (FFG Act)	No*	Yes* (EPBC Act & FFG Act)
		Electrical LV	Replace pole						
129	75.31	Electrical LV	Relocate underground	No	No	No	No	No	No
39	75.67	Electrical 66kV	Replace pole	Yes	No	Yes	No	No	No
		Electrical LV	Relocate underground						
130	76.87	Infrastructure	Replace pole	No	No	No	No	No	No
		Infrastructure	Replace pole						
131	76.9	Infrastructure	Replace pole	No	No	No	No	No	No
41 (inaccessible private land)	77.88	Electrical 22kV	Replace pole	TBD*	TBD*	TBD*	TBD*	TBD*	TBD*
42	78.62	Electrical 22kV	Replace pole	Yes	Yes	Yes	Yes (EPBC Act)	No	No
43	80.01	Electrical 22kV	Replace pole	Yes	No	Yes	No	No	No
44	87.4	Electrical 66kV	Replace pole	Yes	No	No	No	No	No
45	89.79	Electrical 22kV	Relocate underground	Yes	No	Yes	No	No	No
		Electrical LV	Relocate underground						
46 (inaccessible private land)	95.18	Electrical 22kV	Replace pole	TBD*	TBD*	TBD*	TBD*	TBD*	TBD*
47	98.21	Electrical 22kV	Replace pole	Yes	Yes	No	No	No	No

Site Number	Chainage	Asset Type	Summary of proposed works	Native Vegetation Present (52.17)	Native patch (DELWP 2017a)	Scattered trees (DELWP 2017a)	Threatened ecological community	Threatened flora habitat	Threatened fauna habitat
48	98.31	Electrical 66kV	Replace pole	Yes	Yes	No	No	No	No
		Electrical 22kV	Replace pole						
132	98.62	5x Electrical LV	Relocate underground	Yes	No	Yes	No	No	No
49	99.14	3x Electrical LV	Replace pole	No	No	No	No	No	No
		Electrical 22kV	Relocate underground						
139	99.31	Communications	Relocate underground	No	No	No	No	No	No
50	99.58	Electrical 22kV	Replace pole	Yes	No	Yes	No	No	No
140	100.03	Communications	Relocate underground	Yes	No	No	No	No	No
		Electrical LV	Relocate underground						
51	108.65	Electrical 22kV	Replace pole	Yes	Yes	Yes	Yes (EPBC Act & FFG Act)	No	No
52	114.95	Electrical 22kV	Replace pole	No	No	No	No	No	No
53	116.15	Electrical 22kV	Relocate overhead	No	No	No	No	No	No
54	122.11	Electrical 12.7kV	Replace pole	Yes*	No*	Yes*	No*	No*	No*
55	127.46	Electrical 22kV	Replace pole	Yes	Yes	Yes	No	No	No
59 *location at 136.525 not assessed	136.525	Electrical LV	Relocate overhead	Yes	Yes	Yes	No	No	No
	136.69	Electrical 22kV	Replace pole						
		Electrical LV	Decommission or abandon- access only						
61	150.85	Electrical LV	Relocate overhead	Yes	No	No	No	No	No

Site Number	Chainage	Asset Type	Summary of proposed works	Native Vegetation Present (52.17)	Native patch (DELWP 2017a)	Scattered trees (DELWP 2017a)	Threatened ecological community	Threatened flora habitat	Threatened fauna habitat
62	151.12	2x Electrical LV	Relocate underground	No	No	No	No	No	No
63	151.76	Electrical 22kV	Relocate underground	Yes	No	Yes	No	No	No
64	158.96	Electrical 22kV	Replace pole	Yes	No	No	No	No	No
65	169.45	2x Electrical LV	Relocate underground	No	No	No	No	No	No
		Electrical 22kV	Relocate underground						
		Communications	Relocate underground						
66	170.19	Electrical 22kV	Replace pole	Yes	Yes	Yes	No	No	No
67	171.5	Electrical 22kV	Replace pole	Yes	Yes	No	No	No	No
68	177.25	Electrical 22kV	Replace pole	Yes	Yes	No	No	No	No
69	183.13	Electrical 22kV	Replace pole	Yes	No	No	No	No	No
		Electrical LV	Replace pole						
72	191.9	Electrical 22kV	Replace pole	No	No	No	No	No	No
73	193.3	2x Electrical 22kV	Replace pole	Yes	No	No	No	No	No
		2x Electrical 66kV	Replace pole						
74	194.1	Electrical 22kV	Replace pole	Yes	No	Yes	No	No	No
75	195	Electrical LV	Decommission or abandon- access only	No	No	No	No	No	No
76	196.84	Electrical 22kV	Replace pole	Yes	No	No	No	No	No
77	197.58	Electrical 22kV	Replace pole	No	No	No	No	No	No
78	198.07	Electrical 22kV	Replace pole	No	No	No	No	No	No

Site Number	Chainage	Asset Type	Summary of proposed works	Native Vegetation Present (52.17)	Native patch (DELWP 2017a)	Scattered trees (DELWP 2017a)	Threatened ecological community	Threatened flora habitat	Threatened fauna habitat
		Electrical 66kV	Replace pole						
79	201.28	Electrical 22kV	Replace pole	Yes	No	Yes	No	No	No
80	204.76	Electrical 22kV	Replace pole	Yes	No	Yes	No	No	No
81	208.4	2x Electrical 220kV	Replace pole	Yes	Yes	No	Yes (EPBC Act)	No	No
		Electrical 66kV	Replace pole						
82	210.97	Electrical 22kV	Replace pole	Yes	No	No	No	No	No
92	225.64	Electrical 22kV	Replace pole	Yes	Yes	No	No	No	No
93	230.4	Electrical 22kV	Replace pole	No	No	No	No	No	No
94	231.17	Electrical 22kV	Replace pole	No	No	No	No	No	No
		Electrical LV	Replace pole						
134	232.95	Electrical LV	Relocate underground	Yes	No	Yes	No	No	No
96	233.6	Electrical LV	Replace pole	Yes	No	Yes	No	No	No
135	233.78	2x Infrastructure (Guy/Stay)	Replace pole	Yes	Yes	No	No	No	No
98 (Located within Green Street/Wangaratta Enhancement Site)	234.1	Electrical LV	Relocate overhead	No	No	No	No	No	No
		Infrastructure (Guy/Stay)	Relocate overhead						
136	234.15	Infrastructure	Replace pole	No	No	No	No	No	No
137	234.6	Electrical 22kV	Replace pole	No	No	No	No	No	No
99	236.29	Electrical 22kV	Replace pole	Yes	No	No	No	No	No

Site Number	Chainage	Asset Type	Summary of proposed works	Native Vegetation Present (52.17)	Native patch (DELWP 2017a)	Scattered trees (DELWP 2017a)	Threatened ecological community	Threatened flora habitat	Threatened fauna habitat
100	237.29	Electrical 22kV	Replace pole	Yes	Yes	No	No	No	No
102	239.3	Electrical 22kV	Replace pole	Yes	No	No	No	No	No
138	239.89	Infrastructure	Replace pole	Yes	No	No	No	No	No
103	240.78	Electrical 22kV	Replace pole	Yes	Yes	Yes	No	No	No
105	256.97	Electrical 22kV	Replace pole	Yes	No	Yes	No	No	No
106	258.33	Electrical 22kV	Replace pole	Yes	Yes	No	No	No	No
107	259.21	Electrical 22kV	Replace pole	Yes	Yes	No	No	No	No
108	262.03	Electrical 22kV	Replace pole	Yes	No	Yes	No	No	No
109	267.19	Electrical 22kV	Replace pole	Yes	Yes	Yes	Yes (EPBC Act)	No	Yes (EPBC Act & FFG Act)
110	269.25	Electrical 22kV	Replace pole	Yes	No	No	No	No	No
111	270.91	Electrical 22kV	Replace pole	Yes	No	Yes	No	No	No
		Electrical LV	Replace pole						
114	279.2	Electrical LV	Replace pole	Yes	No	Yes	No	No	No
115	279.52	Electrical 22kV	Replace pole	Yes	No	No	No	No	No
116	280.91	Electrical 22kV	Replace pole	Yes	No	No	No	No	No
118	283.33	Electrical LV	Replace pole	Yes	No	No	No	No	No
119	284.93	Electrical 22kV	Replace pole	No	No	No	No	No	No
120	286.94	Electrical 66kV	Replace pole	Yes	No	No	No	No	No
121	290.91	Electrical 66kV	Replace pole	Yes	No	No	No	No	No

Site Number	Chainage	Asset Type	Summary of proposed works	Native Vegetation Present (52.17)	Native patch (DELWP 2017a)	Scattered trees (DELWP 2017a)	Threatened ecological community	Threatened flora habitat	Threatened fauna habitat
122	301	Electrical 330kV	Replace pole	Yes	Yes	No	No	No	No

*\*private land not accessible, to be determined*

*LV – low voltage*

*kV – kilovolt*

# 6 Impact and Legislative Review

## 6.1 PROJECT IMPACT

Impacts will vary depending on the location and scope of works. A summary of the works required for the various treatments is provided in Table 1.

The project areas extend over road reserve, rail reserve and private land, where there are often existing disturbed areas including access tracks used for maintenance of the assets that can be utilised by the project, including for project access, parking and placement of poles. The majority of powerline project areas are readily accessible from roads or from private land. Additionally, where the installation of new poles is required, micro-siting is feasible to avoid ecological values in most instances.

## 6.2 TARGETED FLORA SURVEY

Table 4 identifies the presence of any listed threatened flora species recorded during the targeted survey. The table also identifies if a TEC is considered likely to be present within the project area, or where TECs occur in the surrounding location but not within the project area. Potential fauna habitat that has been confirmed within the overhead powerline project area is also listed in the below table.

Detailed results, including the values identified at each project area during the desktop assessment are provided in Appendix B.

The targeted flora survey identified two EPBC Act listed flora species, Euroa guinea flower (*Hibbertia humifusa* ssp. *erigens*) at Powerline Project Area 60, south of Euroa, and mountain swainson-pea (*Swainsona recta*) at Powerline Project Area 84, south of Glenrowan. At these sites, the mountain swainson-pea was found within plant guards and was considered to be planted. Two groups of plant guards were observed, with many not containing any plants, indicating several had not survived.

Two threatened ecological communities listed under the EPBC Act were likely present, either within or immediately adjacent to the project area. These were GBGW and WBYBBRGW. The location of these communities is provided in Table 3 and Appendix B and mapped in Appendix C.

Two threatened species and one threatened ecological community listed as threatened under the FFG Act were recorded during the surveys. These were:

- buloke was recorded near Powerline Project Area 57, between Avenel and Longwood.
- diamond firetail (*Stagonopleura guttata*) was observed at Powerline Project Area 60
- VTWBC was considered present at several locations.

The location of these FFG Act listed matters are included in Table 3.



Table 4. Targeted flora survey results

Powerline project area	Chainage	Asset type	Summary of proposed works	Threatened flora species	Likely threatened ecological community	Potential threatened fauna habitat
54	122.14	Electrical 12.7kV	Replace pole	No threatened species were identified.	No threatened ecological communities were considered present.	No threatened species or habitat were identified
56	128.95	Electrical 12.7kV	Replace pole	No threatened species were identified.	No threatened ecological communities were considered present. However, GBGW and VTWBC are located immediately adjacent (EPBC Act & FFG Act).	No threatened species or habitat were identified
57	133.6	Electrical 22kV	Replace pole	Buloke (FFG Act) recorded adjacent to project area	Woodland is considered to be VTWBC (FFG Act).	No threatened species were identified
58	134.87	Electrical 22kV	Replace pole	No threatened species were identified.	Woodland is considered to be VTWBC (FFG Act).	No threatened species were identified
60	143	Electrical 12.7kV	Replace pole	Euroa guinea-flower population recorded in rail reserve. (EPBC Act & FFG Act)	Woodland is considered to be VTWBC in road and rail reserve (FFG Act).	Diamond Firetail (FFG Act)
70	188.65	Electrical 22kV	Replace pole	No threatened species were identified.	No threatened ecological communities were considered present.	No threatened species or habitat were identified
71	191.44	Electrical 22kV	Replace pole	No threatened species were identified.	No threatened ecological communities were considered present.	No threatened species or habitat were identified

Powerline project area	Chainage	Asset type	Summary of proposed works	Threatened flora species	Likely threatened ecological community	Potential threatened fauna habitat
83	213.94	Electrical 66kV	Replace pole	No threatened species were identified.	No threatened ecological communities were considered present. Potential GBGW community and VTWBC in surrounding area (EPBC Act & FFG Act).	No threatened species or habitat were identified.
84	216.210	Electrical 66kV	Replace pole	Mountain swainson-pea (planted) were present. (EPBC Act & FFG Act)	GBGW is located along the flatter plains to the southern end of the project areas (EPBC Act). Woodland is considered to be VTWBC (FFG Act).	No threatened species were identified.
		Communications	Relocate underground	No threatened species were identified.	WBYBBRGW is located along higher elevations to the north of the project areas (EPBC). Woodland is considered to be VTWBC (FFG Act).	
		Communications	Relocate underground			
		Electrical LV	Relocate underground			
		Communications	Relocate underground			
		Communications	Relocate underground			
Communications	Relocate underground					
86	219.95	2x Electrical 22kV	Replace pole	No threatened species were identified.	No threatened ecological communities were considered present.	No threatened species or habitat were identified
87	220.72	Electrical 22kV Electrical 66kV	Relocate overhead	No threatened species were identified.	No threatened ecological communities were considered present.	No threatened species or habitat were identified

Powerline project area	Chainage	Asset type	Summary of proposed works	Threatened flora species	Likely threatened ecological community	Potential threatened fauna habitat
					Potential WBYBBRGW community in surrounding area (EPBC Act).	
88	221.72	Electrical 22kV	Replace pole	No threatened species were identified.	No threatened ecological communities were considered present. Potential WBYBBRGW community in surrounding area (EPBC Act).	No threatened species or habitat were identified
89	221.97	Electrical LV	Replace pole	No threatened species were identified.	Vegetation that occurs between Warby Range Road and rail is potentially part of WBYBBRGW community (EPBC Act).	No threatened species or habitat were identified
90	222.26	Electrical 22kV	Relocate underground	No threatened species were identified.	No threatened ecological communities were considered present. Potential WBYBBRGW community in surrounding area (EPBC Act).	No threatened species or habitat were identified
91	223.52	Electrical 22kV	Replace pole	No threatened species were identified. Potential habitat for purple diuris in private land to the west (FFG Act).	Vegetation is part of WBYBBRGW which extends along the rail corridor on east and west side. WBYBBRGW also extends into adjacent private land to the west (EPBC Act).	No threatened species or habitat were identified
103	240.78	Electrical 22kV	Replace pole	No threatened species were identified.	No threatened ecological communities were considered present.	No threatened species or habitat were identified

Powerline project area	Chainage	Asset type	Summary of proposed works	Threatened flora species	Likely threatened ecological community	Potential threatened fauna habitat
112	271.320	Communications	Relocate underground	No threatened species were identified.	No threatened ecological communities were considered present.	No threatened species or habitat were identified
	271.325	Electrical LV	Relocate underground			
	271.380	Electrical LV	Relocate overhead			
	272.22	Electrical 22kV	Replace pole			
113	273.69	Electrical 22kV	Replace pole	No threatened species were identified	VTWBC recorded adjacent to project area (FFG Act).	No threatened species or habitat were identified

In addition to the listed threatened flora species identified, four species listed on the Advisory list of threatened flora (DEPI 2014) were also recorded. These species are considered rare or threatened in Victoria, but are not listed as threatened under the FFG Act or EPBC Act. These species are recorded in table 5 below.

Table 5. Advisory listed flora species recorded in project areas

Powerline project area	Chainage (km)	Common name	Species name	Advisory listing
56	128.95	Cottony haeckeria	<i>Cassinia ozothamnoides</i>	Vulnerable
60	143	Late-flowering flax-lily	<i>Dianella tarda</i>	Vulnerable
84	215.58	Basalt podolepis	<i>Podolepis linearifolia</i>	Endangered
91	223.52	Golden cowslip	<i>Diuris behrii</i>	Vulnerable

### 6.2.1 Threatened ecological communities

The following TECs listed under the EPBC Act and FFG Act have been recorded within the project areas (further detailed is provided in Appendix A and B):

- GBGW (EPBC Act)
- WBYBBRGGW (EPBC Act)
- VTWBC (FFG Act).

In most instances, the communities are located immediately adjacent to the project areas, or extend slightly into the edges of the project area. The majority of works that are proposed to occur either within or adjacent to a TEC are pole replacements. As the vegetation and habitat directly beneath the powerline is generally modified and often not considered to be part of the TEC, pole placements can be sited to avoid impacts to the adjacent community.

However, three locations, Powerline Project Area 84, 89 and 91, support TECs which occur within a large proportion of the project area and the area surrounding the poles and cannot easily be avoided. Works at these locations may result in impacts to the EPBC Act listed GBGW and WBYBBRGGW communities. These areas should be targeted for further investigation during detailed design to minimise impacts to these significant TECs.

There is predicted to be no impacts to the VTWBC due to the localised nature of the works and minimal impacts to woodland habitat.

### 6.2.2 Threatened flora species

No threatened flora were recorded within project areas during targeted surveys.

The following threatened flora species listed under the EPBC Act and FFG Act have been recorded in close proximity to the project areas (further detailed is provided in Appendices B):

- Euroa guinea-flower (EPBC Act and FFG Act), recorded adjacent to Powerline Project Area 60
- Mountain swainson-pea (EPBC Act and FFG Act), recorded adjacent to Powerline Project Area 84
- Buloke (FFG Act), recorded adjacent to Powerline Project Area 57.

Purple diuris (listed under the FFG Act) was not recorded during surveys but has potential habitat present adjacent to Powerline Project Area 91 (further detail is provided in Appendices A and B).

It is considered that there is suitable flexibility within the scope of works to be able to avoid impacts to threatened flora species.

A significant population of Euroa guinea-flower (totalling 82 individuals) was recorded within the vicinity of overhead Powerline Project Area 60. Only 2 individuals occurred within or in close proximity (2 m) to the project area boundary (see maps in Appendix C). It is recommended that a no-go zone be established in the rail reserve containing the population and that the project area be revised to avoid the area. It is recommended that an alternative access point, through adjacent private land (where the pole is being replaced) is identified to avoid impacts to the species.

The mountain swainson-pea location near Powerline Project Area 84 should also be avoided. The individuals are located 6-7 m from the project area. Although these plants are considered planted, the surrounding area is considered suitable habitat and may be important for the species re-introduction into the area, after being considered extinct in Victoria (DELWP 2017b). Photos of this project area are included in Appendix B. These individuals are potentially important for conservation efforts in Victoria. Impacts to the surrounding habitat (also considered to be the EPBC Act listed TEC, GBGW) that extends into Powerline Project Area 84, should also be minimised (see above under Threatened ecological communities).

Sixteen buloke individuals were recorded in the vicinity of Powerline Project Area 57, although no individuals were located within the project area. It is not expected that these individuals will be impacted.

Powerline Project Area 91 contained potential habitat for purple diuris. The project area was subject to a targeted flora survey and the species was not detected in the rail reserve portion of the powerline project area, which contained suitable habitat. Potentially suitable habitat also extended to the private property to the west of the rail reserve, within a patch of WBYBBRGGW recorded within Powerline Project Area 91. The proposed works required to the existing pole on private property, would likely result in impacts and loss of potential habitat for the purple diuris. It is recommended that impacts to potential habitat be minimised where possible. If impacts cannot be avoided, further surveys within the habitat on private property may be required to determine the presence and impact to the species.

### 6.2.3 Threatened fauna species

The following threatened flora species listed under the EPBC Act and FFG Act have been recorded within the project areas (further detailed is provided in Appendix B):

- Brown toadlet (FFG Act)
- Diamond firetail (FFG Act).

The following fauna species have confirmed potential habitat present (further detailed is provided in Appendices A and B):

- Golden sun moth (EPBC Act and FFG Act)
- Sloane's froglet (EPBC Act)
- Growling grass frog (EPBC Act and FFG Act)

Due to the nature of the habitat present within project areas and the minimal impacts to trees and woodland habitat, it is predicted that habitat for birds (including diamond firetail) and arboreal mammals will not be impacted.

It is also expected that aquatic habitats, including those considered potential habitat for brown toadlet, Sloane's froglet and growling grass frog, will be avoided by works. Each of the project areas that contain potential aquatic frog habitat (Powerline Project Areas 127 and 109) require only pole replacement and it

is expected that the poles and works will be located away from aquatic habitat in cleared and disturbed areas, such as adjacent roads, vehicle tracks and cleared laydown and stockpile locations (see Appendix C for mapped habitat Project Areas 127 and 109).

Growling grass frog are dependent on terrestrial habitat for foraging, shelter and local movements (DEWHA 2009a). Terrestrial vegetation, fallen logs and ground debris surrounding waterbodies provide essential shelter and hibernation project areas for adult frogs, and frogs move across open ground, such as grasslands, to move between waterbodies and to access foraging resources (DEWHA 2009a). Impacts to potential terrestrial habitat for growling grass frog, located at Powerline Project Areas 30 and 127 in close proximity to the Merri Creek, should also be avoided, where possible. At Project Area 127 a small tributary to the Merri Creek crosses the project area under a culvert to the south, which should allow for impacts to avoid the waterway. Project Area 30 has an unnamed road and several cleared areas associated with the Epping-Kilmore Rd level crossing which could be utilised to avoid the terrestrial habitat at the eastern portion of the impact area.

Overall, as potential impacts are small and localised areas of terrestrial habitat, the works are not expected to impact significantly on growling grass frog.

If some terrestrial habitat cannot be avoided, it is recommended to target works at these project areas outside of the species breeding and activity period (usually October to March) (Clemann & Gillespie 2012).

Potential habitat for golden sun moth was limited to small areas of derived grassland around Broadford, where the species has been recorded recently (ABZECO 2019). The largest areas were likely present on private land within Powerline Project Area 37 that was not able to be accessed during the rapid assessment. Based on visual assessments from adjacent areas, habitat was primarily located around proposed access locations. Further assessment of the project area and access should be completed to prioritise access via existing access tracks. Where habitat cannot be avoided, further targeted surveys will be required to determine the presence of golden sun moth. Another small area of habitat for golden sun moth is located at Powerline Project Area 38. Due to the small impact area and its proximity to proposed works, it is expected that the pole replacement works can avoid potential golden sun moth habitat. However, if impacts to potential habitat cannot be avoided, targeted surveys may be required to determine presence of the species. The survey period for golden sun moth is late October to early January (DEWHA 2009b).

## 6.3 LEGISLATIVE REQUIREMENTS

Due to the nature of the works, including the location within previously disturbed and cleared areas, it is considered that the majority of project works can be sited to avoid impacts to listed threatened ecological communities, threatened flora species and habitat for threatened fauna.

Some significant ecological values, including listed ecological communities and populations of threatened flora (Euroa guinea-flower at Powerline Project Area 60), are present either within or immediately adjacent to the project area. It is recommended that works in these locations be reviewed in relation to the recorded ecological values identified in this report to confirm that significant values can be avoided.

There are a small number of project areas that support significant ecological values where there is a higher likelihood that impacts cannot be avoided. Based on the impacts assessed above, the following legislative implications apply to the project, which considers current project impacts associated with other T2A project scope of works within Victoria (KBR 2020b).

### 6.3.1 Environment Protection and Biodiversity Conservation Act 1999

The total impact to the GBGW community at the overhead powerline project areas (0.568 ha) will need to be added to that currently predicted for the Enhancement Sites (3.543 ha) within the broader Beveridge to

Albury section of the project. The overall T2A project impact to GBGW of 4.111 ha, is currently considered to be a significant impact (KBR 2020b).

Impacts to the critically endangered WBYBBRGGW community may potentially occur at Powerline Project Areas 84, 89 and 91 with a potential maximum impact of 0.36 ha. These impacts will need to be confirmed, however, if not reduced or avoided, then the impact is potentially significant. As there are no impacts to WBYBBRGGW from the Enhancement sites of the T2A project, the predicted impact at the three powerline project areas is the only potential impact to the community over the Beveridge to Albury section of the project (T2A – stage 1).

Although several other flora and fauna species have been recorded or have habitat recorded, impacts are not likely to be significant, due to the small and localised nature of works and the ability to adjust impacts to target disturbed areas, which are readily available around nearby roads and private land. However, impact areas for each project area need to be confirmed to determine extent of impacts to species and habitat. Where habitat cannot be avoided, further targeted surveys may be warranted to confirm the presence of listed species. These project areas are:

- Powerline Project Areas 127, 29 and 30 for growling grass frog
- Powerline Project Areas 37 and 38 for golden sun moth
- Powerline Project Area 60 for Euroa guinea-flower
- Powerline Project Area 84 for mountain swainson-pea
- Powerline Project Area 109 for Sloane's froglet

### 6.3.2 Flora and Fauna Guarantee Act 1988

Potential habitat was also identified for purple diuris in private land within Powerline Project Area 91. If this area cannot be avoided, further targeted survey of potential habitat impacted will be required to determine if any individuals would require removal. Significant populations for the species are present along the rail reserve in this locality, however, the species was not observed in the immediately adjacent rail reserve. It is likely that impacts will be limited to a small number of individuals, if present. It is not expected that the impact will be to a significant number of the species population, and therefore, is not expected to be significant.

Brown toadlet was heard calling at Powerline Project Area 109. The wetland area and drainage identified within the project area is considered to be habitat for the species (Appendix C). It is expected that the pole placement at this location will avoid aquatic habitat and that the species will not be impacted by works.

### 6.3.3 Guidelines for the removal, destruction and lopping of native vegetation

The Guidelines apply to the removal of native vegetation under Clause 52.17 of planning schemes in Victoria. Under the Guidelines the project will be considered via a Detailed Assessment Pathway. Compliance with the Guidelines will include a VQA, an 'avoid and minimise' statement and the meeting of offset requirements. As discussed above, VQAs were not undertaken as part of this assessment.

VQAs need to be completed to calculate offset obligations.

#### Avoid and minimise

During the reference design phase the following avoid and minimisation measures have been applied:

- Utilisation of existing access tracks and alternative areas to avoid impacts to threatened species and communities



- Identification of no-go zones for construction to avoid impacts to threatened ecological communities and threatened flora species.

Throughout all phases of project planning, design and construction opportunities to avoid and minimise impacts will be assessed.

### Offset Requirement

The DELWP modelled EVC layer (DELWP 2019) was used to determine the approximate offset requirement for removal of native vegetation (DELWP 2017a). Thirty-seven project areas with modelled EVC layers were confirmed to have native patch vegetation present. An additional four project areas with no modelled EVC layer were found to have native patch vegetation present during the field survey.

The extents of native patch vegetation within the project areas were run through the EnSym tool to run a scenario test. The modelled EVC layer was used for the 37 sites where native patch vegetation was confirmed to be present in the rapid field assessment, and the field verified extents of native vegetation within the project area were used for an additional 4 project areas that did not have modelled EVC present. A standard condition score of 0.3 was used for all modelled and field verified extents, which reflects the largely modified nature of the vegetation, with generally good landscape scores.

The predicted impact to native vegetation for the overhead powerline scope is 7.196 ha of native vegetation. This would require an offset of 2.701 general units.

It is noted that no scattered trees are included in this calculation. Due to the requirements to maintain vegetation clear of powerlines under the *Electricity Safety (Electric Line Clearance) Regulations 2015*, the number of trees likely to be impacted by the works is considered to be low. The total number of scattered trees will need to be defined during VQAs and included in the project offset calculations. Several project areas were field verified to have native vegetation present where none was modelled, these project areas were added manually to the EnSym calculation. Final offset calculations for the whole of the T2A project will also include the impacts for all the proposed works between Beveridge and Albury, including for track lowers, track slews, bridge replacements and signal structure modifications.

#### 6.3.4 Environment Effects Act 1978

The overhead powerline project area impacts will be considered with the other project components for T2A – Stage 1, including bridge replacement, track lowering, track slews and signal structure modifications, for whole of project impacts and consideration against the EE Act referral criteria.

Based on the modelled data, a total of 7.2 ha of native vegetation is proposed to be impacted, comprising of:

- 6.25 ha of endangered EVCs
- 0.94 ha of vulnerable EVCs.

The amount of vegetation loss will need to be confirmed through detailed design and site assessment. Based on modelled data, the impacts to endangered EVCs for overhead powerlines works (6.25 ha) combined with the impacts to endangered EVC for the remainder of the project areas (track slews, bridge replacements, track lowers and signalling modifications) (8.031 ha), the total of 14.281 ha exceeds the EES individual referral criteria of loss of greater than 10 ha of an endangered EVC. The total loss of an endangered EVC for all project works between Beveridge and Albury, meets the single referral criteria under the guidelines (DSE 2006).

There are no impacts expected to FFG Act listed communities. Impacts to FFG Act listed flora and fauna are likely to be only to small areas of potential habitat. These project areas are:

- Brown toadlet at Powerline Project Area 109

- Buloke adjacent to Powerline Project Area 57
- Diamond firetail recorded at Powerline Project Area 60
- Euroa guinea-flower located at Powerline Project Area 60
- Golden sun moth at Powerline Project Areas 37 and 38
- Growling grass frog at Powerline Project Areas 127, 29 and 30
- Mountain swainson-pea located at Powerline Project Areas 84
- Purple diuris adjacent to Powerline Project Area 91
- Sloane's froglet at Powerline Project Area 109

Potential habitat recorded for the above species is not considered important or critical for the above species and any impacts are not considered to meet EES referral criteria (DSE 2006). The exception is the population of Euroa guinea-flower at Powerline Project Area 60, which is considered significant for the species; however, the habitat containing the population is recommended to become a 'no-go zone' to avoid impacts to the species and the habitat within the rail reserve.

Additionally, impacts to the above species will generally be avoided through targeting works (including pole placement and access) to avoid individuals of threatened species and their habitat.

# 7 Conclusion and recommendations

## 7.1 CONCLUSION

A number of significant ecological values have been recorded within and adjacent to the powerline project areas. In most instances, these values are restricted to public land, mainly within the rail and road reserves. Where project areas are present within private land, the vegetation is generally modified, being grazed, ploughed or improved with nutrients, for agriculture. Occasionally, vegetation and habitat do persist within parcels of private land, mostly in areas where there is only light grazing (of small numbers of stock or horses).

It is likely that significant environmental values, including threatened ecological communities, threatened flora species and potential habitat for threatened fauna species can be avoided by works through siting access and pole placement in disturbed areas.

Further review of scope and clearance during detailed design is recommended for three project areas, which have reduced scope for siting works to avoid impacts to significant ecological values.

The project is being referred under the EPBC Act due to significant impacts to the GBGW community (KBR 2020b). It is likely that that additional impacts of 0.568 ha to this community will occur as a result of the overhead powerline works. There is also potential for impacts to 0.36 ha of WBYBBRGGW community to be potentially significant. The extent of impacts to these two communities will need to be confirmed.

In the absence of completing a VQA assessment, the calculations of vegetation loss have been conservatively based on modelled data. The actual impacts are expected to be less than what is predicted based on the modelled data. Using modelled EVC data (DELWP 2019), the overhead lines works are expected to result in a loss of up to approximately 7.20 ha of native vegetation. The impacts from overhead powerline works will be included in the T2A (stage 1) EES referral and EPBC referral.

The impact to native vegetation will also require additional offset requirements. Based on the modelled EVC data (DELWP 2019) used to inform potential offsets through the EnSym tool, the impact to native vegetation is expected to be 2.701 general habitat units. However, VQAs have not been completed to confirm quality and extent, plus scattered trees were not considered in the offset calculation, which may alter the offset requirements predicted here.

## 7.2 RECOMMENDATIONS

The recommendations associated with the overhead powerlines are summarised here:

### Impact area definition recommendations

- In areas where threatened flora, fauna or ecological communities have been identified, undertake further review of access points and project area extents to avoid and minimise impacts where possible
- Review works at Powerline Project Areas 84, 89 and 91 to identify opportunities to avoid impacts to threatened ecological communities.
- Avoid impacts to nearby aquatic habitat present at powerline Project Areas 29 and 109 and utilise cleared and disturbed areas to avoid impacts to threatened frog species.

- Position entry and exit points of bores at Powerline Project Areas 127 and 30 to avoid growing grass frog habitat.
- Avoid potential habitat for golden sun moth at Powerline Project Areas 37 and 38, where possible, including using existing vehicle tracks and using alternative access options.
- Review alternative access from the east at Site 51, to avoid impacts to VTWBC and GBGW.

#### Further survey recommendations

- Complete VQA assessments for powerline project areas where native patch extents and scattered tree have been identified.
- Complete detailed flora surveys during spring to confirm that likely and potential threatened ecological communities meet the defining characteristics of threatened ecological communities stated in applicable policy documents.
- Complete detailed ecological surveys during spring within all private land that was not accessible during the current survey to determine any further ecological values.

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# Appendix A




Rapid Powerline  
Assessments –  
detailed table of  
results






Assessment Results of overhead powerlines – Rapid Assessment Project Areas




Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
127	47.26	Electrical LV	Relocate underground	126: Swampy Riparian Complex	Swamp Everlasting	East	No native vegetation or habitat for threatened species	No EVC	No TEC or potential habitat for threatened species observed	
						Central	No native vegetation or habitat for threatened species	No EVC	No TEC or potential habitat for threatened species observed	
						West	Low quality patch containing silver wattle	126: Swampy Riparian Complex	Potential growing grass frog habitat. Location to be a 'no-go zone'	









Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
29	48.4	Electrical 22kV	Replace pole	18: Riparian Woodland	Matted Flax-lily	East	Scattered native vegetation including blackwood and immature eucalypts Avoid southern mahogany LOT in south east corner	18: Riparian Woodland	Potential Growling Grass Frog habitat (project area is located 5m from Merri Creek)	
						West	Low quality patch containing blackwood and Chinese scrub	18: Riparian Woodland	No TEC or potential habitat for threatened species observed	
30	50.65	Electrical LV	Relocate Underground	18: Riparian Woodland	N/A	East	No native vegetation or habitat for threatened species	18: Riparian Woodland	Potential Growling Grass Frog habitat adjacent to survey area (pond and Merri Creek nearby)	



Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
						West	Scattered native vegetation, including 2-3 blackwoods and sifton bush	No EVC	No TEC or potential habitat for threatened species observed	
128	53.39	Electrical 22kV Electrical LV	Replace pole Relocate Underground	127: Valley Heathy Forest	N/A	East	Patch of silver wattle Scattered native grasses (project area was mown at time of assessment) Scattered regrowth trees Montpellier Broom	127: Valley Heathy Forest	No TEC or potential habitat for threatened species observed	
						East 2	Planted buloke Rosemary grevillea Scattered native vegetation	No EVC	VROT Rosemary Grevillea (not listed)	




Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
						West	Scattered native vegetation (including Chinese scrub and hop goodenia) Planted native vegetation	No EVC	No TEC or potential habitat for threatened species observed	
						West 2	Good quality patch of native vegetation, including a diverse understory	47: Valley Grassy Forest	No TEC or potential habitat for threatened species observed	
31	54.39	Electrical 22kV	Relocate Overhead	127: Valley Heathy Forest 23: Herb-rich Foothill Forest	N/A	East	Scattered trees in south west corner	No EVC	No TEC or potential habitat for threatened species observed	
						West	Private land – inaccessible	Unknown	Unknown	No photo

Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
32	55.11	Communications	Decommission or abandon – access only	47: Valley Grassy Forest	N/A	East	1 planted large red Ironbark.	No EVC	No TEC or potential habitat for threatened species observed	
						Central	No native vegetation or habitat for threatened species	No EVC	No TEC or potential habitat for threatened species observed	
						West	No native vegetation or habitat for threatened species (planted eucalypt in centre)	No EVC	No TEC or potential habitat for threatened species observed	




Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
33	64.22	Electrical 66kV Electrical 22kV	Replace pole Replace pole	23: Herb-rich Foothill Forest	WBYBBRG	East	Poor quality patch of lightwood	No EVC	No TEC or potential habitat for threatened species observed	
						West	Private land – inaccessible without V/Line access. Looks like scattered Chinese scrub only from accessible areas.	Unknown	No TEC or potential habitat for threatened species observed	No photo
34	65.31	Electrical 22kV	Replace pole	22: Grassy Dry Forest	WBYBBRG	East	1 silver wattle at edge (avoid)	No EVC	No TEC or potential habitat for threatened species observed	
						West	Patch of native grasses at south east side Planted indigenous vegetation, including red box at roadside	22: Grassy Dry Forest	Potential habitat for VTWBC observed.	




Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
35	67.04	Electrical 22kV	Replace pole	293: Riparian Forest/Creekline Grassy Woodland Mosaic 47: Valley Grassy Forest	N/A	East	Poor quality patch of native vegetation, including Chinese scrub, exotic or native spear grasses, river red gum and grey box impacted by weeds and grazing Scattered native grasses further into paddock	47: Valley Grassy Forest	No TEC or potential habitat for threatened species observed	
						West	Private land – inaccessible (access denied). Location could not be viewed during the assessment.	Unknown	Unknown	No photo
36	70.2	Electrical LV	Replace pole	47: Valley Grassy Forest	VTWBC	East	Scattered native grasses, heavily grazed	No EVC	No TEC or potential habitat for threatened species observed	
						West	Private land – inaccessible Northern most point of project area contains a patch of good quality native vegetation, which appears to extend into private land, as viewed from adjacent rail and road reserves.	47: Valley Grassy Forest	Unknown – potential WBYBBRGGW	




Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
37	71.63	Electrical 22kV	Replace pole	175: Grassy Woodland	N/A	East	Private land – inaccessible. Potential for golden sun moth, considering apparent grassland and previous records. However, grass species present and habitat quality needs to be confirmed during a detailed site assessment.	Unknown	Unknown – potential habitat for golden sun moth	No photo
						West	Good quality patch of native vegetation in rail reserve, with no mature trees  Western side of project area is private land and inaccessible without access agreement and could not be easily viewed from adjacent areas.	175: Grassy Woodland	VTWBC	
38	73.43	Electrical 22kV Electrical LV	Replace pole Replace pole	55: Plains Grassy Woodland 175: Grassy Woodland	VTWBC	East	Private land – inaccessible. Likely contains native vegetation, however, this assessment needs to be confirmed, as the location could not be easily viewed from adjacent rail reserve.	Unknown	Unknown	No photo
						West	Patch of native vegetation to north, including tussock-grasses, needle grasses and chocolate lilies.  Scattered immature eucalypts and native grasses to south.	175: Grassy Woodland	Potential golden sun moth habitat VTWBC	



Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
129	75.31	Electrical LV	Relocate underground	N/A	N/A		No native vegetation or habitat for threatened species	No EVC	No TEC or potential habitat for threatened species observed	
39	75.67	Electrical 66kV Electrical LV	Replace pole Relocate underground	N/A	N/A	East	Scattered trees	No EVC	No TEC or potential habitat for threatened species observed	
						West	Scattered native vegetation 2x scattered river red gum should be avoided.	No EVC	No TEC or potential habitat for threatened species observed	






Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
130	76.87	Infrastructure Infrastructure	Replace pole Replace pole	N/A	N/A		No native vegetation or habitat for threatened species	No EVC	No TEC or potential habitat for threatened species observed	
131	76.9	Infrastructure	Replace pole	N/A	N/A		No native vegetation or habitat for threatened species	No EVC	No TEC or potential habitat for threatened species observed	
41	77.88	Electrical 22kV	Replace pole	175: Grassy Woodland	N/A		Private land - inaccessible	Unknown	Unknown	No photo
42	78.62	Electrical 22kV	Replace pole	175: Grassy Woodland 55: Plains Grassy Woodland	N/A	East	Scattered river red gum regrowth to north Patch of native grasses to south	175: Grassy Woodland	GBGW	

Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
						West	Private land – inaccessible, possibly native grasses present that was visible from adjacent rail reserve.	Unknown	Unknown	
43	80.01	Electrical 22kV	Replace pole	55: Plains Grassy Woodland	N/A	East	Scattered native grasses	No EVC	No TEC or potential habitat for threatened species observed	
						West	Scattered regrowth Scattered native grasses	175: Grassy Woodland	No TEC or potential habitat for threatened species observed	
44	87.4	Electrical 66kV	Replace pole	175: Grassy Woodland	VTWBC WBYBBRG	North West	No native vegetation or habitat for threatened species Avoid adjacent trees	175: Grassy Woodland	VTWBC	No photo




Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
				55: Plains Grassy Woodland		South West	Native regrowth including red box and Chinese scrub	175: Grassy Woodland	VTWBC	
			South East			Avoid planted native shrubs inside fenced area. Nothing outside fenced area.	No EVC	No TEC or potential habitat for threatened species observed		
			North East			Avoid scattered regrowth trees between project area and rail track. Nothing within project area.	No EVC	No TEC or potential habitat for threatened species observed		

Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
45	89.79	Electrical 22kV Electrical LV	Relocate underground Relocate underground	175: Grassy Woodland	N/A	East	Avoid planted eucalypts to north, including indigenous species river red gum and grey box. Scattered wallaby grasses	No EVC	No TEC or potential habitat for threatened species observed	
						West	Scattered trees including regrowth yellow box Scattered wetland species including rushes	No EVC	No TEC or potential habitat for threatened species observed	
46	95.18	Electrical 22kV	Replace pole	56: Floodplain Riparian Woodland	N/A	East	Private land – inaccessible	Unknown	Unknown	No photo
						West	Private land – inaccessible	Unknown	Unknown	No photo
47	98.21	Electrical 22kV	Replace pole	N/A	N/A	East	Scattered native grasses 1x scattered tree Scattered silver wattles	No EVC	No TEC or potential habitat for threatened species observed	No photo

Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
						West	No native vegetation or habitat for threatened species	No EVC	No TEC or potential habitat for threatened species observed	
48	98.31	Electrical 66kV Electrical 22kV	Replace pole Replace pole	N/A	N/A	East	Patch of silver wattle	55: Plains Grassy Woodland	No TEC or potential habitat for threatened species observed	
						West	No native vegetation or habitat for threatened species	No EVC	No TEC or potential habitat for threatened species observed	



Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
132	98.62	5x Electrical LV	Relocate underground	N/A	N/A		2x scattered river red gums at south should be avoided	No EVC	No TEC or potential habitat for threatened species observed	
49	99.14	3x Electrical LV Electrical 22kV	Replace pole Relocate underground	N/A	N/A		Planted trees on MacIntyre St	No EVC	No TEC or potential habitat for threatened species observed	
139	99.31	Communications	Relocate underground	N/A	N/A		No native vegetation or habitat for threatened species	No EVC	No TEC or potential habitat for threatened species observed	




Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
50	99.58	Electrical 22kV	Replace pole	N/A	N/A	East	Scattered trees	No EVC	No TEC or potential habitat for threatened species observed	
						West	Avoid scattered trees in access	No EVC	No TEC or potential habitat for threatened species observed	
140	100.03	Communications Electrical LV	Relocate underground Relocate underground	61: Box Ironbark Forest	VTWBC		Scattered native grasses Scattered understory species	No EVC	No TEC or potential habitat for threatened species observed	




Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
51	108.65	Electrical 22kV	Replace pole	55 Plains Grassy Woodland	VTWBC	East	Patch of native vegetation including native grasses, shrubs and one large grey box.	55 Plains Grassy Woodland	VTWBC GBGW	
						West	Scattered grasses Scattered trees (regrowth)	55 Plains Grassy Woodland	No TEC or potential habitat for threatened species observed	
52	114.95	Electrical 22kV	Replace pole	N/A	N/A		No native vegetation or habitat for threatened species	No EVC	No TEC or potential habitat for threatened species observed	







Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
53	116.15	Electrical 22kV	Relocate overhead	N/A	N/A		No native vegetation or habitat for threatened species	No EVC	No TEC or potential habitat for threatened species observed	


Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
55	127.46	Electrical 22kV	Replace pole	287: Plains Grassy Woodland/ Box Ironbark Forest Complex	VTWBC	East	Patch of native vegetation including grey box and Chinese scrub	55: Plains Grassy Woodland	No TEC or potential habitat for threatened species observed	
						West	Patch of native vegetation including grey box, understory species but affected by weeds	55: Plains Grassy Woodland	No TEC or potential habitat for threatened species observed	
59	136.53	Electrical LV	Decommission or abandon – access only	274: Grassy Woodland/	N/A	East	Scattered tree	No EVC	No TEC or potential habitat for threatened species observed	No photo

Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
		Electrical 22kV Electrical LV	Replace pole Relocate overhead	Plains Grassy Woodland Complex 55 Plains Grassy Woodland		North East	No native vegetation or habitat for threatened species	No EVC	No TEC or potential habitat for threatened species observed	
						West	Good quality patch of native vegetation including grey box, and diverse understory species. Scattered trees Scattered native grasses Avoid adjacent large tree which contains hollows	55: Plains Grassy Woodland	No TEC or potential habitat for threatened species observed	 
61	150.85	Electrical LV	Relocate overhead	N/A	N/A		Scattered indigenous grasses Planted native trees	No EVC	No TEC or potential habitat for threatened species observed	No photo

Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
62	151.12	2x Electrical LV	Relocate underground	N/A	N/A		No native vegetation or habitat for threatened species	No EVC	No TEC or potential habitat for threatened species observed	No photo
63	151.76	Electrical 22kV	Relocate underground	55: Plains Grassy Woodland 56:Floodplain Riparian Woodland	N/A		Scattered Trees	No EVC	No TEC or potential habitat for threatened species observed	
64	158.96	Electrical 22kV	Replace pole	N/A	N/A	East	Scattered native grasses, extending into private land, as seen from fence line in the rail reserve.	No EVC	No TEC or potential habitat for threatened species observed	
						West	No native vegetation or habitat for threatened species	No EVC	No TEC or potential habitat for threatened species observed	

Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
65	169.45	2x Electrical LV Electrical 22kV Communications	Relocate underground Relocate underground Relocate underground	N/A	N/A		No native vegetation or habitat for threatened species	No EVC	No TEC or potential habitat for threatened species observed	




Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
66	170.19	Electrical 22kV	Replace pole	N/A	N/A		Patch of native vegetation Scattered trees Montpellier broom	68: Creepline Grassy Woodland	No TEC or potential habitat for threatened species observed within project area. Adjacent to VTWBC habitat	 
67	171.5	Electrical 22kV	Replace pole	N/A	N/A	East	Patch of native vegetation including white box and yellow box.	55: Plains Grassy Woodland	Too poor quality to qualify as WBYBBRGGW	
						West	Scattered native grasses 1 scattered tree between the track and the project area	No EVC	No TEC or potential habitat for threatened species observed	



Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
68	177.25	Electrical 22kV	Replace pole	55: Plains Grassy Woodland	VTWBC WBYBBRG	East	Patch of native vegetation at the edge of patch Scattered native vegetation within project area Avoid trees at edge of project area	No EVC	No TEC or potential habitat for threatened species observed	
						West	Scattered native grasses	No EVC	No TEC or potential habitat for threatened species observed	
69	183.13	Electrical 22kV Electrical LV	Replace pole Replace pole	55: Plains Grassy Woodland	N/A	East	No native vegetation or habitat for threatened species	No EVC	No TEC or potential habitat for threatened species observed	



Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
						West	Scattered native grasses	No EVC	No TEC or potential habitat for threatened species observed	
72	191.9	Electrical 22kV	Replace pole	55: Plains Grassy Woodland	N/A	East	Planted native vegetation in private land.	No EVC	No TEC or potential habitat for threatened species observed	
						West	No native vegetation or habitat for threatened species	No EVC	No TEC or potential habitat for threatened species observed	









Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
73	193.3	2x Electrical 22kV 2x Electrical 66kV	Replace pole Replace pole	55: Plains Grassy Woodland	N/A	North East & West	No native vegetation or habitat for threatened species	No EVC	No TEC or potential habitat for threatened species observed	
						South East	1 scattered silver wattle – avoidable	No EVC	No TEC or potential habitat for threatened species observed	
						South West	Avoid trees to south west, outside project area	No EVC	No TEC or potential habitat for threatened species observed	
74	194.1	Electrical 22kV	Replace pole	N/A	N/A		Avoid the patch of large old trees to north of project area 1 scattered tree silver wattle within project area – avoidable	No EVC	No TEC or potential habitat for threatened species observed	




Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
75	195	Electrical LV	Decommission or abandon – no works	N/A	N/A		No native vegetation or habitat for threatened species	No EVC	No TEC or potential habitat for threatened species observed	
76	196.84	Electrical 22kV	Replace pole	N/A	N/A	East	Scattered regrowth native grasses	No EVC	No TEC or potential habitat for threatened species observed	
						West	No native vegetation or habitat for threatened species	No EVC	No TEC or potential habitat for threatened species observed	




Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
77	197.58	Electrical 22kV	Replace pole	N/A	N/A		Cumbungi located in drain	No EVC	No TEC or potential habitat for threatened species observed	
78	198.07	Electrical 22kV Electrical 66kV	Replace pole Replace pole	N/A	N/A	North East	Very old large river red gum in rail reserve (outside project area)	No EVC	No TEC or potential habitat for threatened species observed	
						South East	Borrow pit between track and private land contains native vegetation (inaccessible)	No EVC	No TEC or potential habitat for threatened species observed	No photo

Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
						West	No native vegetation or habitat for threatened species	No EVC	No TEC or potential habitat for threatened species observed	
79	201.28	Electrical 22kV	Replace pole	N/A	N/A	East	Big pond in borrow pit within project area Drain alongside track contains cumbungi and river red gum scattered trees Access along track clear	No EVC	No TEC or potential habitat for threatened species observed	
						West	Native vegetation in drain including wallaby Grass Access not possible along track	No EVC	Potential listed wallaby grass	




Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
80	204.76	Electrical 22kV	Replace pole	55: Plains Grassy Woodland	N/A	North	No native vegetation or habitat for threatened species	No EVC	No TEC or potential habitat for threatened species observed	
						South	Scattered trees with disturbed understory Patch of fenced native vegetation between the project area and the Hume Freeway.	No EVC	No TEC or potential habitat for threatened species observed	
81	208.4	2x Electrical 220kV Electrical 66kV	Replace pole Replace pole	N/A	N/A	East	Scattered native vegetation	No EVC	No TEC or potential habitat for threatened species observed	




Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
						West	Patch of native vegetation (also considered to be a TEC) that extends into the rail corridor. Private land contained a patch of native vegetation. This was viewed from over the fence from the adjacent rail reserve.	55: Plains Grassy Woodland	GBGW TEC	
82	210.97	Electrical 22kV	Replace pole	N/A	N/A	East	Scattered native vegetation	No EVC	No TEC or potential habitat for threatened species observed	No photo
						West	No native vegetation or habitat for threatened species	No EVC	No TEC or potential habitat for threatened species observed	
92	225.64	Electrical 22kV	Replace pole	175: Grassy Woodland	VTWBC Purple Diuris Warby Range Swamp Gum	East	Patch of native grasses from powerline south	175: Grassy Woodland	No TEC or potential habitat for threatened species observed	




Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
						West	Patch of grey box regrowth	No EVC	No TEC or potential habitat for threatened species observed	
93	230.4	Electrical 22kV	Replace pole	240: Plains Grassy Woodland/ Creekline Grassy Woodland/ Wetland Formation Mosaic	N/A	East	No native vegetation or habitat for threatened species	No EVC	No TEC or potential habitat for threatened species observed	
						West	No native vegetation or habitat for threatened species	No EVC	No TEC or potential habitat for threatened species observed	




Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
94	231.17	Electrical 22kV Electrical LV	Replace pole Replace pole	N/A	N/A	East	No native vegetation or habitat for threatened species	No EVC	No TEC or potential habitat for threatened species observed	
						West	No native vegetation or habitat for threatened species	No EVC	No TEC or potential habitat for threatened species observed	
134	232.95	Electrical LV	Relocate underground	N/A	N/A		1 scattered tree (river red gum) on west side should be avoided	No EVC	No TEC or potential habitat for threatened species observed	
135	233.78	2x Infrastructure	Replace pole	N/A	N/A	North	Planted native vegetation only	No EVC	No TEC or potential habitat for threatened species observed	No photo









Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
						South	Scattered lightwood	No EVC	No TEC or potential habitat for threatened species observed	
98	234.1	Electrical LV	Relocate overhead	N/A	N/A		No native vegetation or habitat for threatened species	No EVC	No TEC or potential habitat for threatened species observed	No photo
136	234.15	Infrastructure	Replace pole	N/A	N/A		No native vegetation or habitat for threatened species	No EVC	No TEC or potential habitat for threatened species observed	No photo
137	234.6	Electrical 22kV	Replace pole	N/A	N/A		No native vegetation or habitat for threatened species Avoid scattered tree to east	No EVC	No TEC or potential habitat for threatened species observed	
99	236.29	Electrical 22kV Electrical 22kV	Replace pole Replace pole	240: Riverine Grassy Woodland/ Riverine Swampy Woodland Mosaic	VTWBC WBYBBRG	East	Scattered regrowth river red gum	No EVC	No TEC or potential habitat for threatened species observed	

Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
						West	No native vegetation or habitat for threatened species	No EVC	No TEC or potential habitat for threatened species observed	
102	239.3	Electrical LV	Relocate overhead	N/A	N/A		Scattered native grasses Planted native trees under pole river red gum and apple box	No EVC	No TEC or potential habitat for threatened species observed	
138	239.89	Infrastructure	Replace pole	803: Plains Woodland	N/A		Scattered native grasses	No EVC	No TEC or potential habitat for threatened species observed	



Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
103	240.78	Electrical 22kV	Replace pole	N/A	N/A		Scattered native vegetation 1x scattered tree	175: Grassy Woodland 55: Plains Grassy Woodland	No TEC or potential habitat for threatened species observed	
105	256.97	Electrical 22kV	Replace pole	803: Plains Woodland	N/A	East	1x scattered tree Scattered native vegetation	No EVC	No TEC or potential habitat for threatened species observed	
						West	1x scattered tree	No EVC	No TEC or potential habitat for threatened species observed	
106	258.33	Electrical 22kV	Replace pole	803: Plains Woodland	N/A	East	Patch of native vegetation including grey box	55: Plains Grassy Woodland	No TEC or potential habitat for threatened species observed	

Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
						West	No native vegetation or habitat for threatened species	No EVC	No TEC or potential habitat for threatened species observed	
107	259.21	Electrical 22kV	Replace pole	803: Plains Woodland	N/A	East	Patch of native vegetation including regenerating grasses, especially in private land. Planted scattered trees	803: Plains Woodland / 55: Plains Grassy Woodland / 175: Grassy Woodland	No TEC or potential habitat for threatened species observed	
						West	Scattered native grasses, planted trees	No EVC	No TEC or potential habitat for threatened species observed	


Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
108	262.03	Electrical 22kV	Replace pole	47: Valley Grassy Forest	GBGW VTWBC WBYBBRG		Scattered native grasses adjacent to fence, otherwise clear. Scattered trees along access track – avoid use of track	55: Plains Grassy Woodland	No TEC or potential habitat for threatened species observed	
109	267.19	Electrical 22kV	Replace pole	55: Plains Grassy Woodland 68: Creepline Grassy Woodland	GBGW VTWBC WBYBBRG Late-flower flax-lily Mugga		Patch of native vegetation including yellow box, white box and wetland habitat Scattered trees	68: Creepline Grassy Woodland	WBYBBRG Brown toadlet heard calling Potential habitat for threatened species Sloane's froglet	
110	269.25	Electrical 22kV	Replace pole	47: Valley Grassy Forest	N/A	East	Scattered native vegetation	No EVC	No TEC or potential habitat for threatened species observed	


Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
						West	No native vegetation or habitat for threatened species	No EVC	No TEC or potential habitat for threatened species observed	
111	270.91	Electrical 22kV Electrical LV	Replace pole Replace pole	153: Alluvial Terraces Herb-rich Woodland/ Valley Grassy Forest Complex	N/A		Scattered native vegetation including jersey cudweed Scattered trees on western edge of project area - avoidable	No EVC	No TEC or potential habitat for threatened species observed	
114	279.2	Electrical LV	Replace pole	152: Alluvial Terraces Herb-rich Woodland/ Plains Grassy Woodlands Complex	N/A	East	No native vegetation or habitat for threatened species	No EVC	No TEC or potential habitat for threatened species observed	

Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
						West	Scattered trees on edge of project areas - avoidable	No EVC	No TEC or potential habitat for threatened species observed	
115	279.52	Electrical 22kV	Replace pole	N/A	N/A		Scattered native vegetation including jersey cudweed	No EVC	No TEC or potential habitat for threatened species observed	
116	280.91	Electrical 22kV	Replace pole	55: Plains Grassy Woodland	N/A	East	Scattered indigenous grasses	No EVC	No TEC or potential habitat for threatened species observed	

Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
						Central	Scattered native vegetation of jersey cudweed	No EVC	No TEC or potential habitat for threatened species observed	
						West	No native vegetation or habitat for threatened species	No EVC	No TEC or potential habitat for threatened species observed	No photo
118	283.33	Electrical LV	Replace pole	N/A	N/A		Scattered indigenous grasses	No EVC	No TEC or potential habitat for threatened species observed	



Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
119	284.93	Electrical 22kV	Replace pole	N/A	N/A		No native vegetation or habitat for threatened species.	No EVC	No TEC or potential habitat for threatened species observed	
120	286.94	Electrical 66kV	Replace pole	N/A	N/A		Scattered native vegetation	No EVC	No TEC or potential habitat for threatened species observed	

Project area	Chainage	Asset Type	Summary of proposed works	Desktop Assessment Results		Field Confirmation				
				Modelled EVC	TEC/Threatened Species	Project area	Project area Characteristics	EVC Field Assessment	TEC/Threatened Species Field Confirmation	Image
121	290.91	Electrical 66kV	Replace pole	N/A	N/A		Scattered native grasses	No EVC	No TEC or potential habitat for threatened species observed	
122	301	Electrical 330kV	Replace pole	815: Riverine Swamy Woodland	VTWBC	East	No native vegetation in project area, avoid 2 scattered trees either side of access track	815: Riverine Swamy Woodland	No TEC or potential habitat for threatened species observed	No photo
						West	Patch of river red gum – easily avoided	No EVC	No TEC or potential habitat for threatened species observed	

# Appendix B

Targeted Powerline  
Assessments –  
detailed table of  
results



Targeted powerline assessments – detailed table of results

Powerline Project area	Chainage	Predicted threatened species (ABZECO 2019)	Observed Threatened species	Predicted TEC (ABZECO 2019)	Potential TEC	Image
54	122.11	N/A	No threatened flora species observed	GBGW VTWBC	No TEC was observed	
56	128.95	N/A	Cottony haeckeria	GBGB VTWBC WBYBBRGGW	GBGW was recorded adjacent to the project area. Area directly beneath powerline is not considered to be part of the community.	No photo
57	133.6	N/A	Rosemary grevillea	GBGB VTWBC WBYBBRGGW	No TEC is considered present within the project area. GBGW and VTWBC is present in surrounding areas.	
58	134.87	N/A	No threatened flora species observed	GBGB VTWBC WBYBBRGGW	No threatened ecological recorded within the project area.	




Powerline Project area	Chainage	Predicted threatened species (ABZECO 2019)	Observed Threatened species	Predicted TEC (ABZECO 2019)	Potential TEC	Image
60	143	Euroa Guinea-flower Narrow goodenia	Euroa Guinea-Flower	GBGB VTWBC WBYBBRGGW	The vegetation was mixed eucalypt forest, dominated by river red gum. The VTWBC was considered present along the rail and road reserve.	
70	188.65	Clover glycine Purple diuris Mugga	No threatened flora species observed	GBGB VTWBC WBYBBRGGW	No threatened ecological recorded within the project area.	


Powerline Project area	Chainage	Predicted threatened species (ABZECO 2019)	Observed Threatened species	Predicted TEC (ABZECO 2019)	Potential TEC	Image
71	191.44	Purple diuris	No threatened flora species observed	GBGB VTWBC WBYBBRGGW	No threatened ecological recorded within the project area.	
83	213.94	Mountain swainson-pea Purple diuris	No threatened flora species observed	GBGB VTWBC WBYBBRGGW	No threatened ecological recorded within the project area. GBGW is considered present in surrounding area, including adjacent to access tracks to the project area.	
84	215.58	Mountain swainson-pea Purple diuris	Mountain swainson-pea were found planted	GBGB VTWBC WBYBBRGGW	GBGW is located along the flatter plains to the southern end of the project areas. WBYBBRGGW is located along higher elevations to the north of the project areas. All woodland habitat is considered to be VTWBC.	

Powerline Project area	Chainage	Predicted threatened species (ABZECO 2019)	Observed Threatened species	Predicted TEC (ABZECO 2019)	Potential TEC	Image
86	219.95	Narrow goodenia Northern Sandalwood Purple diuris Warby range swamp gum	No threatened flora species were observed	GBGB VTWBC WBYBBRGGW	No threatened ecological recorded within the project area.	
87	220.72	Narrow goodenia Northern Sandalwood Purple diuris Warby range swamp gum	No threatened flora species were observed	GBGB VTWBC WBYBBRGGW	No threatened ecological recorded within the project area. WBYBBRGGW community is potentially present in surrounding area.	
88	221.72	Golden cowslips Narrow goodenia Northern Sandalwood Purple diuris Warby range swamp gum	No threatened species were observed	GBGB VTWBC WBYBBRGGW	No threatened ecological recorded within the project area.	

Powerline Project area	Chainage	Predicted threatened species (ABZECO 2019)	Observed Threatened species	Predicted TEC (ABZECO 2019)	Potential TEC	Image
89	221.97	Narrow goodenia Northern Sandalwood Purple diuris Warby range swamp gum	No threatened species were observed	VTWBC	Vegetation that occurs between Warby Range Road and rail is potentially part of WBYBBRGW community. However, is of lower quality directly beneath the powerlines	
90	222.26	Purple diuris Warby range swamp gum	No threatened species were observed	VTWBC	No threatened ecological recorded within the project area. WBYBBRGW community is potentially present adjacent to the project area.	
91	223.52	Purple diuris Warby range swamp gum	No threatened species were observed. Potential habitat in private land to the west was viewed from the fence-line within the rail reserve. Targeted survey did not enter this property.	VTWBC	Vegetation is part of WBYBBRGW which extends along the rail corridor on east and west side. WBYBBRGW also extends into adjacent private land to the west.	 



Powerline Project area	Chainage	Predicted threatened species (ABZECO 2019)	Observed Threatened species	Predicted TEC (ABZECO 2019)	Potential TEC	Image
103	240.78	N/A	No threatened flora species were observed	GBGW WBYBBRGGW	No threatened ecological recorded within the project area.	
104	244.93	N/A	No threatened flora species were observed	GBGW WBYBBRGGW		
112	272.22	Crimson spider orchid Deane's wattle Cottony cassinia	No threatened species were identified	GBGB VTWBC WBYBBRGGW	No threatened ecological recorded within the project area.	

Powerline Project area	Chainage	Predicted threatened species (ABZECO 2019)	Observed Threatened species	Predicted TEC (ABZECO 2019)	Potential TEC	Image
113	273.69	Crimson spider orchid Deane's wattle Mountain swainson-pea Hooded mosquito-orchid Dookie daisy	No threatened species were identified	GBGB VTWBC WBYBBRGGW	VTWBC recorded adjacent.	

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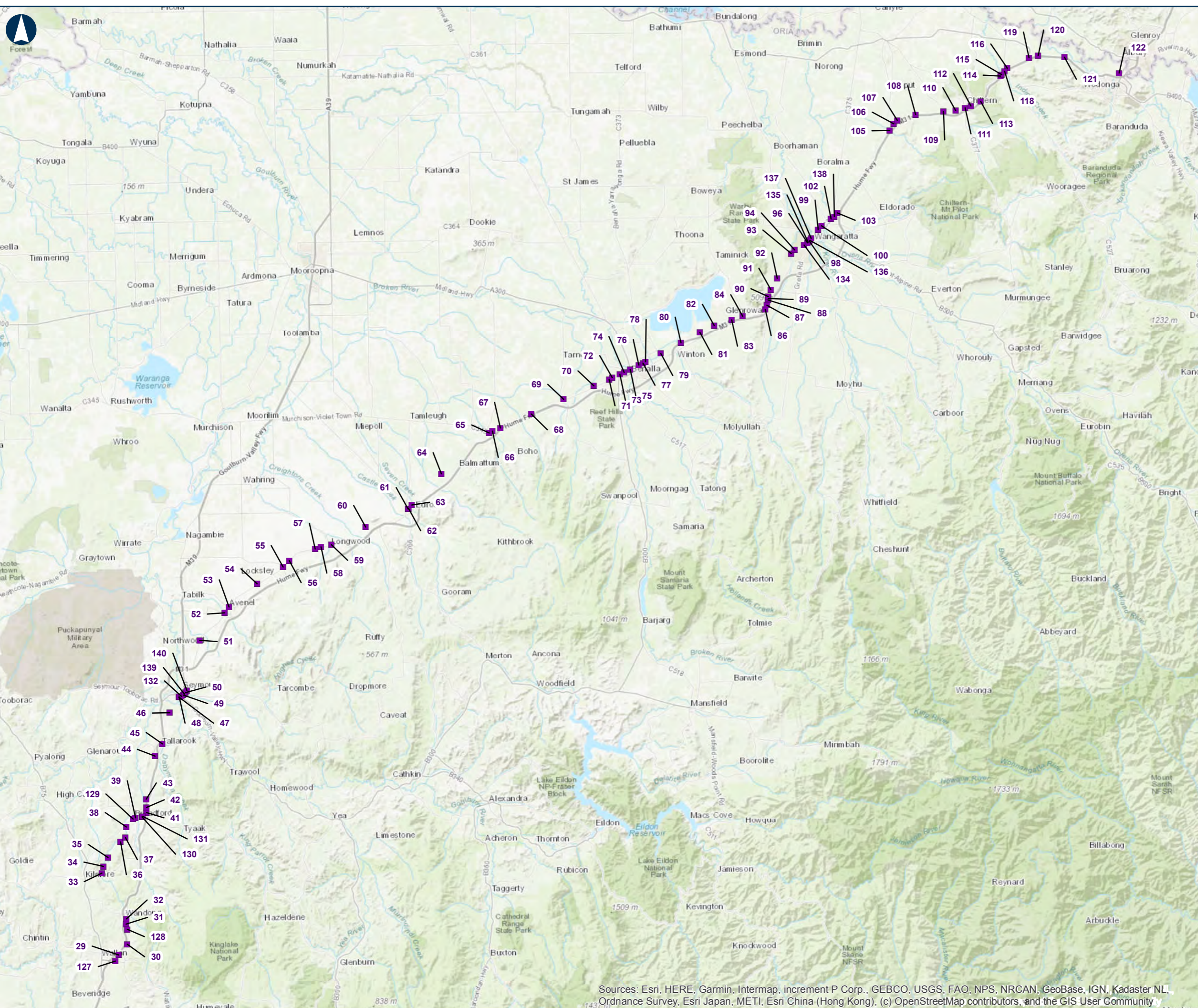
# Appendix C

C1 – Landscape  
Context Map

C2 – Rapid  
Assessment Results  
Map

C3 – Targeted Survey  
Results Map

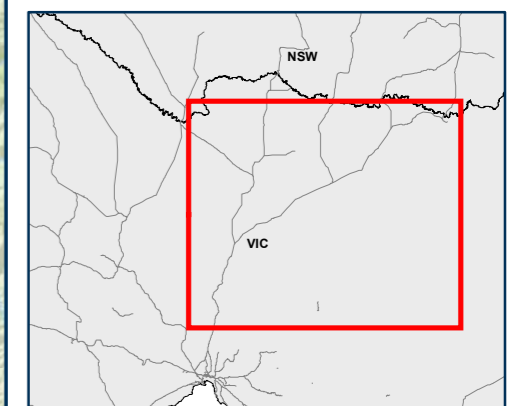




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### Tottenham TO Albury Power Crossings Locality Map

■ Powerline Project Areas



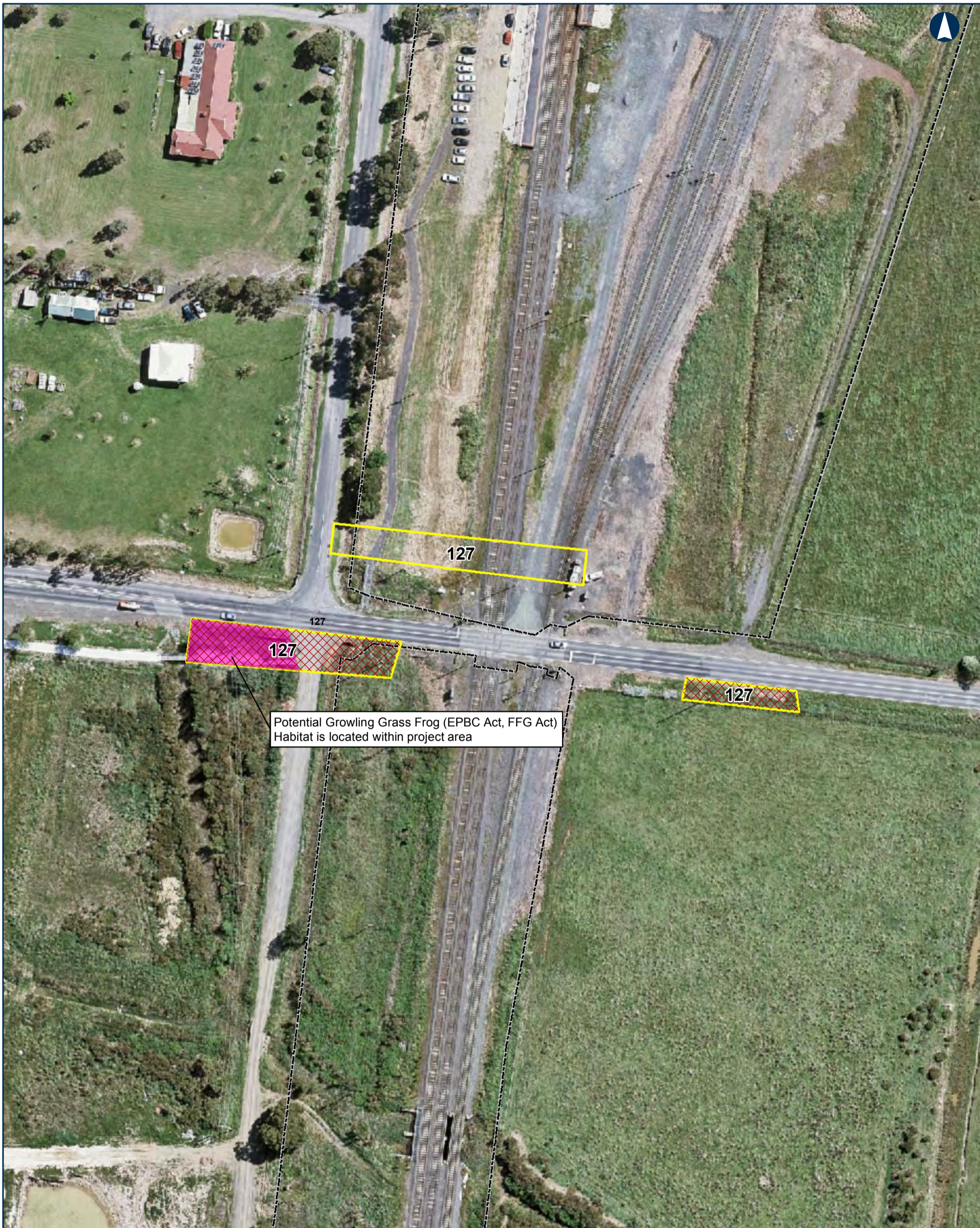
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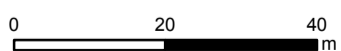
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Author: MG Scale: 1:600,000  
Data Sources: ARTC, VicMap, DataVIC, ESRI

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community



### Tottenham TO Illabo

### Power Crossings Rapid Assessment Results



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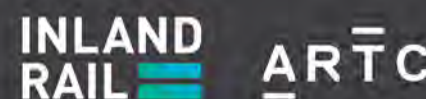
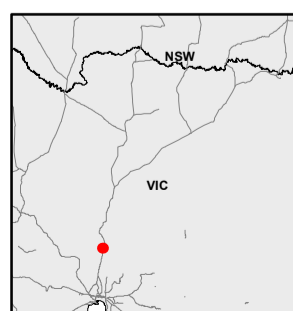
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Scale: 1:1,000

Data Sources: ARTC

#### LEGEND

- Powerline Project Areas
- Threatend Species Habitat
- No-Go Zone

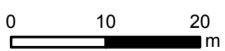


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Tottenham TO Illabo

Power Crossings Rapid Assessment Results



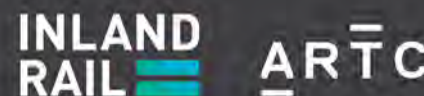
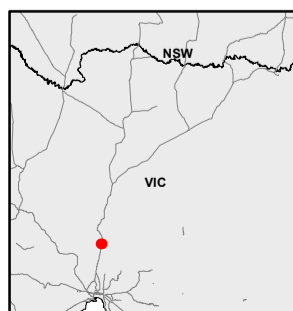
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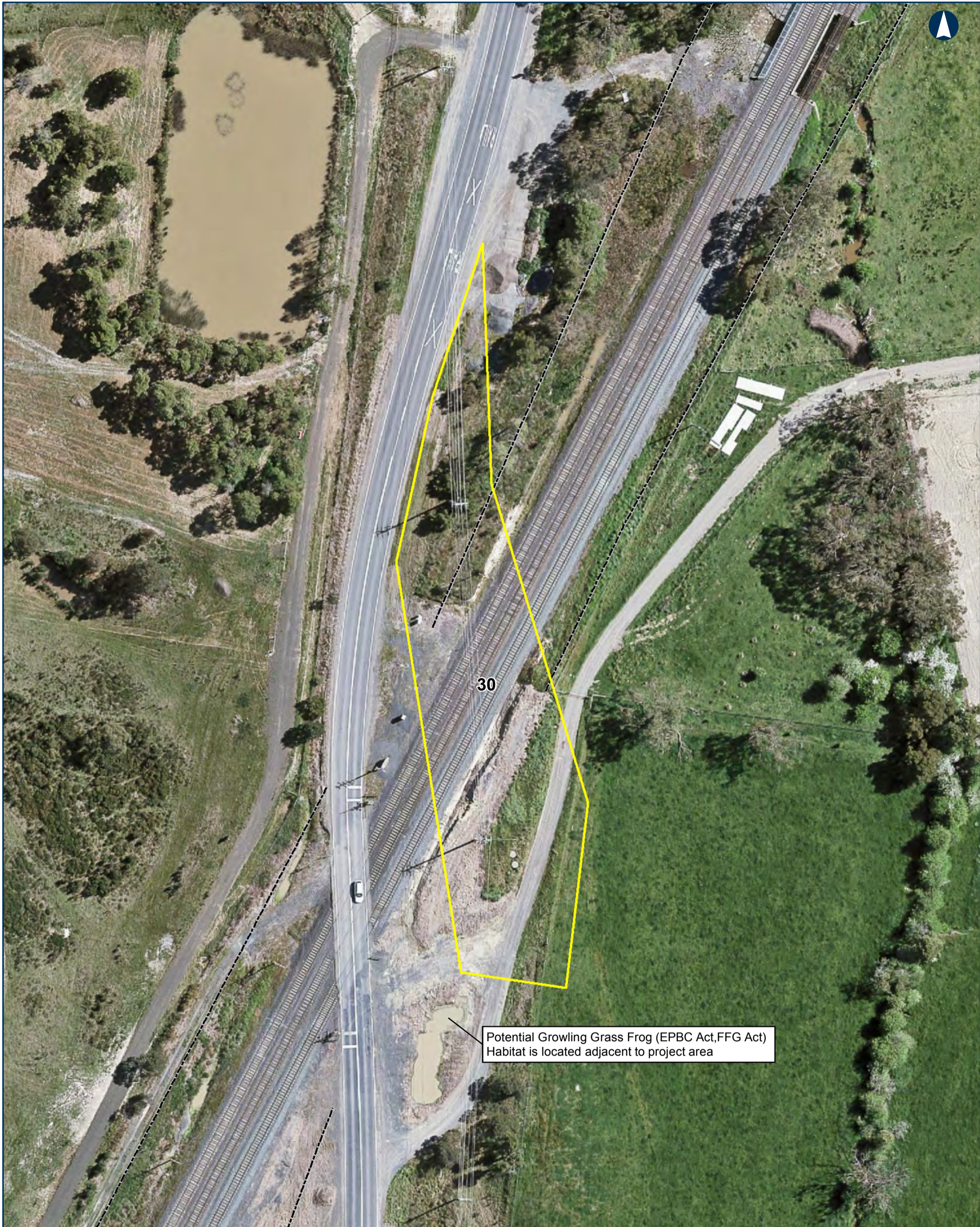
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LEGEND

- Powerline Project Areas
- Threatend Species Habitat



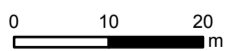
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Potential Growing Grass Frog (EPBC Act, FFG Act) Habitat is located adjacent to project area

### Tottenham TO Illabo

### Power Crossings Rapid Assessment Results



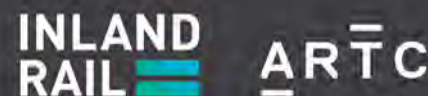
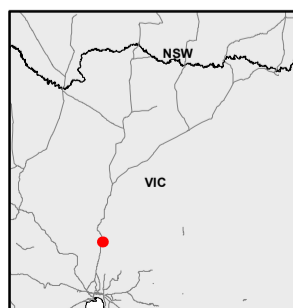
#### LEGEND

 Powerline Project Areas

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Potential VTWBC (FFG Act) is located within project area

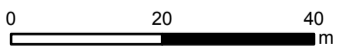
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### Tottenham TO Illabo

### Power Crossings Rapid Assessment Results

MAP 3 OF 12



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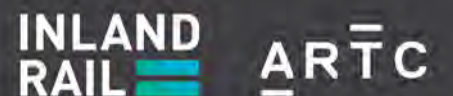
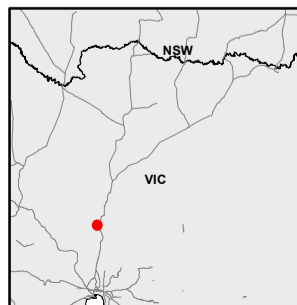
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Data Sources: ARTC

#### LEGEND

- Powerline Project Areas
- Threatened Ecological Community



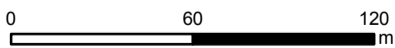
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Tottenham TO Illabo

Power Crossings Rapid Assessment Results



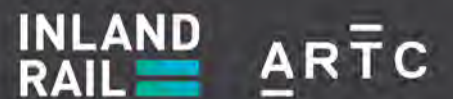
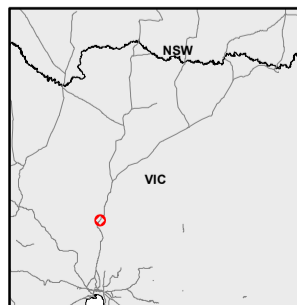
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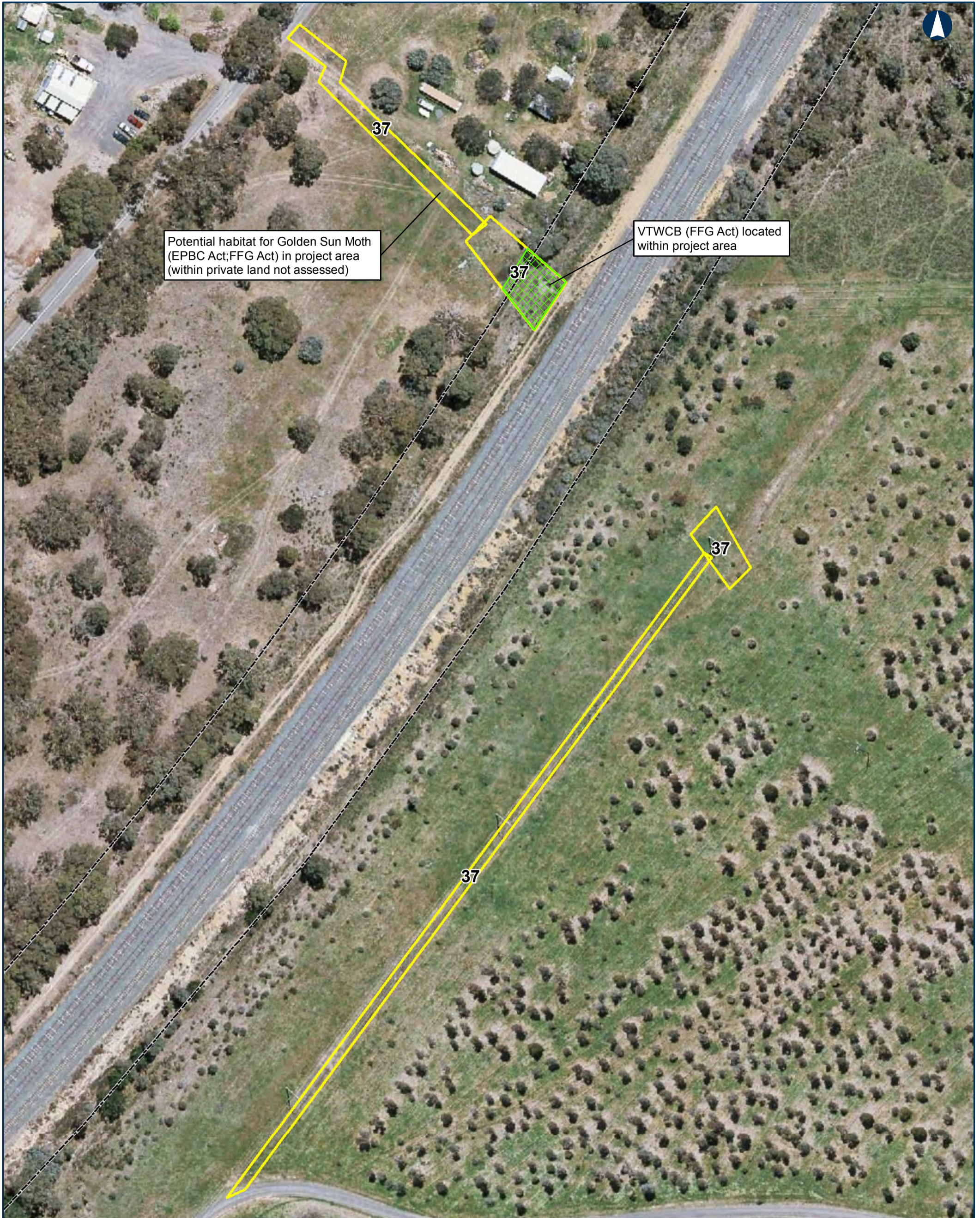
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LEGEND

- Powerline Project Areas
- Threatened Ecological Community

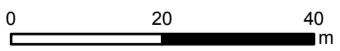


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Tottenham TO Illabo

Power Crossings Rapid Assessment Results



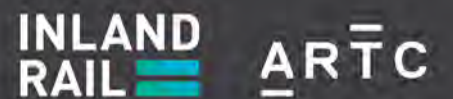
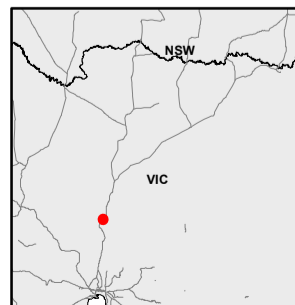
Coordinate System: GDA 1994 MGA Zone 55

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Date: 06-Feb-20 Paper: A3  
 Author: JC Scale: 1:1,000  
 Data Sources: ARTC

LEGEND

- Powerline Project Areas
- Threatened Ecological Community

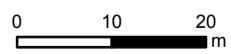


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Tottenham TO Illabo

Power Crossings Rapid Assessment Results



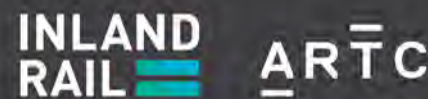
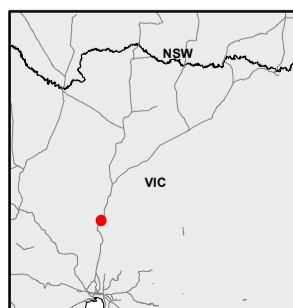
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Date: 06-Feb-20 Paper: A3  
 Author: JC Scale: 1:800  
 Data Sources: ARTC

LEGEND

- Powerline Project Areas
- Threatend Species Habitat
- Threatened Ecological Community

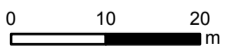


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Power Crossings Rapid Assessment Results





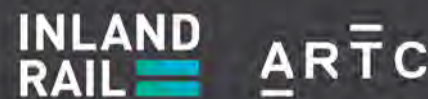
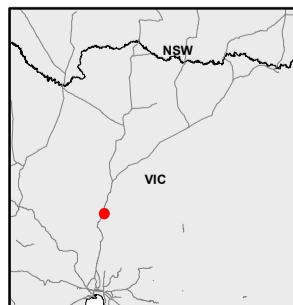
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Date: 06-Feb-20 Paper: A3  
Author: JC Scale: 1:800  
Data Sources: ARTC

LEGEND

-  Powerline Project Areas
-  Threatened Ecological Community



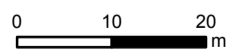
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### Power Crossings Rapid Assessment Results

MAP 8 OF 12





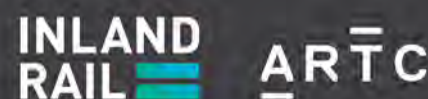
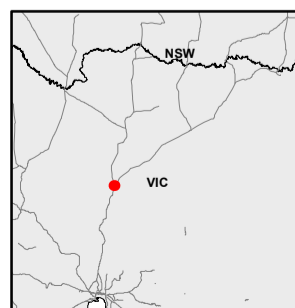
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Date: 06-Feb-20      Paper: A3  
Author: JC              Scale: 1:800  
Data Sources: ARTC

#### LEGEND

-  Powerline Project Areas
-  Threatened Ecological Community

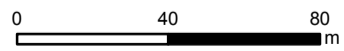


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**Power Crossings Rapid Assessment Results**



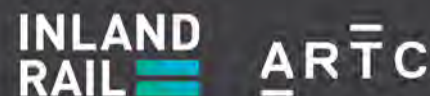
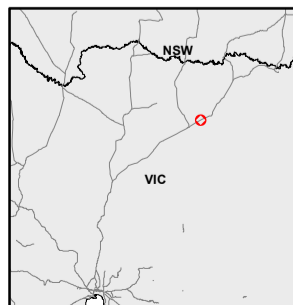
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Date: 06-Feb-20      Paper: A3  
 Author: JC            Scale: 1:2,000  
 Data Sources: ARTC

**LEGEND**

- Powerline Project Areas
- Threatened Ecological Community



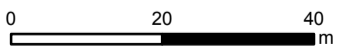
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**Power Crossings Rapid Assessment Results**

MAP 10 OF 12



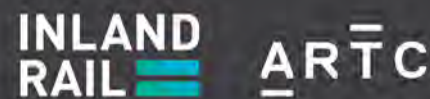
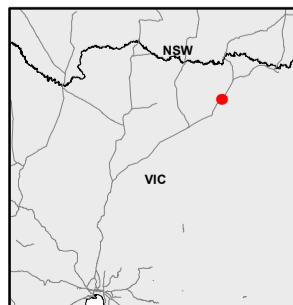
Coordinate System: GDA 1994 MGA Zone 55

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Date: 06-Feb-20 Paper: A3  
Author: JC Scale: 1:1,000  
Data Sources: ARTC

**LEGEND**

- Powerline Project Areas
- Threatened Ecological Community

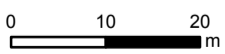


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### Power Crossings Rapid Assessment Results



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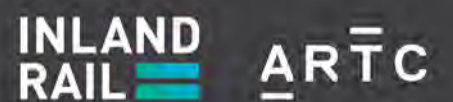
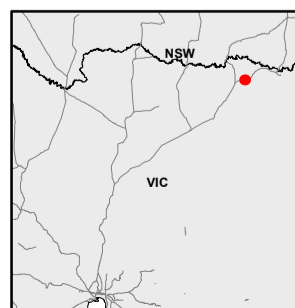
Date: 06-Feb-20 Paper: A3  
Author: JC Scale: 1:800  
Data Sources: ARTC

#### LEGEND

- Powerline Project Areas
- Threatend Species Habitat
- Threatened Ecological Community

#### Threatend Fauna

- Brown Toadlet



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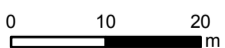




### Tottenham TO Illabo

### Power Crossings Targeted Survey Results

MAP 1 OF 11



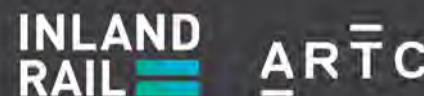
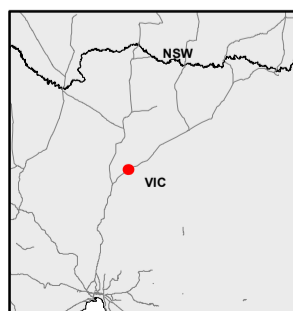
#### LEGEND

 Powerline Project Areas

Coordinate System: GDA 1994 MGA Zone 55

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Date: 05-Feb-20      Paper: A3  
Author: MG            Scale: 1:800  
Data Sources: ARTC

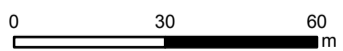


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### Power Crossings Targeted Survey Results





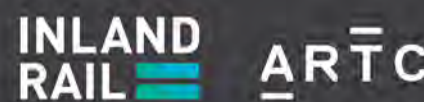
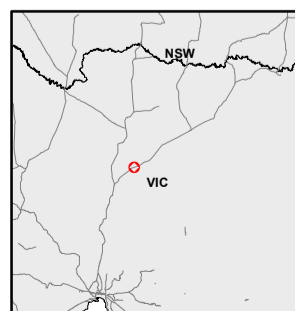
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Date: 05-Feb-20      Paper: A3  
Author: MG            Scale: 1:1,500  
Data Sources: ARTC

#### LEGEND

-  Powerline Project Areas
- Threatend Flora**
-  Buloke

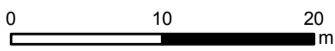


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### Power Crossings Targeted Survey Results



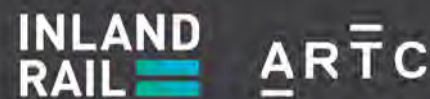
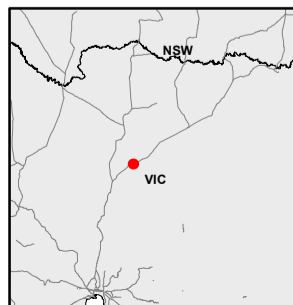
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Date: 05-Feb-20      Paper: A3  
Author: MG            Scale: 1:500  
Data Sources: ARTC

#### LEGEND

- Powerline Project Areas
- Threatened Ecological Community

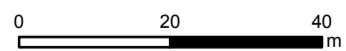


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Coordinate System: GDA 1994 MGA Zone 55

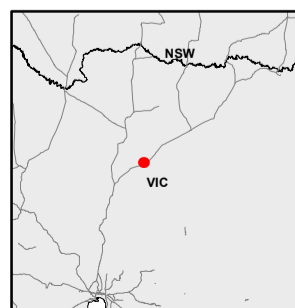
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Author: MG  
Data Sources: ARTC

Paper: A3  
Scale: 1:1,000

**LEGEND**

- Powerline Project Areas
- Threatened Ecological Community
- Threatend Flora**
  - Euroa Guinea-flower
- Threatend Fauna**
  - Diamond firetail

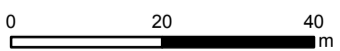


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**Power Crossings Targeted Survey Results**

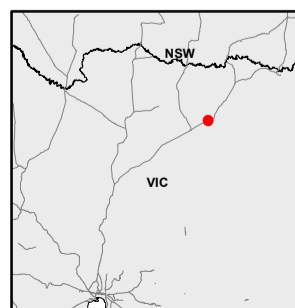


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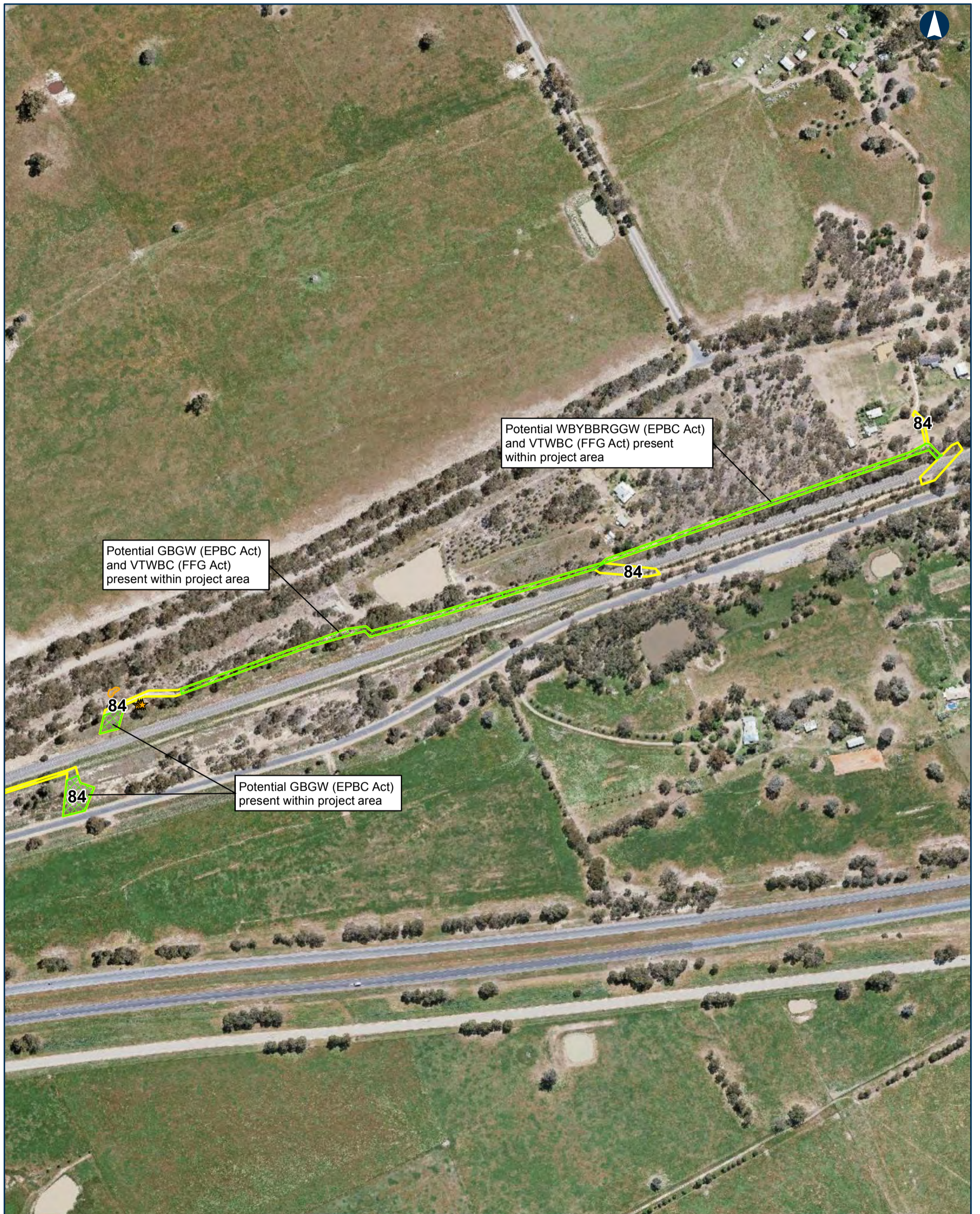
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**LEGEND**  
 Powerline Project Areas



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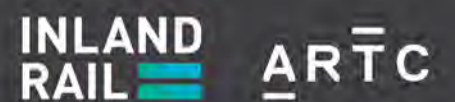
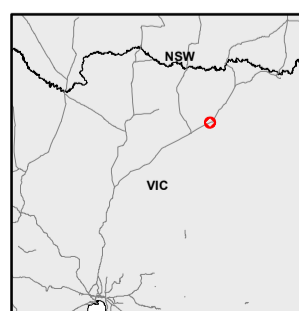
**Power Crossings Targeted Survey Results**

0 90 180 m  
 Coordinate System: GDA 1994 MGA Zone 55

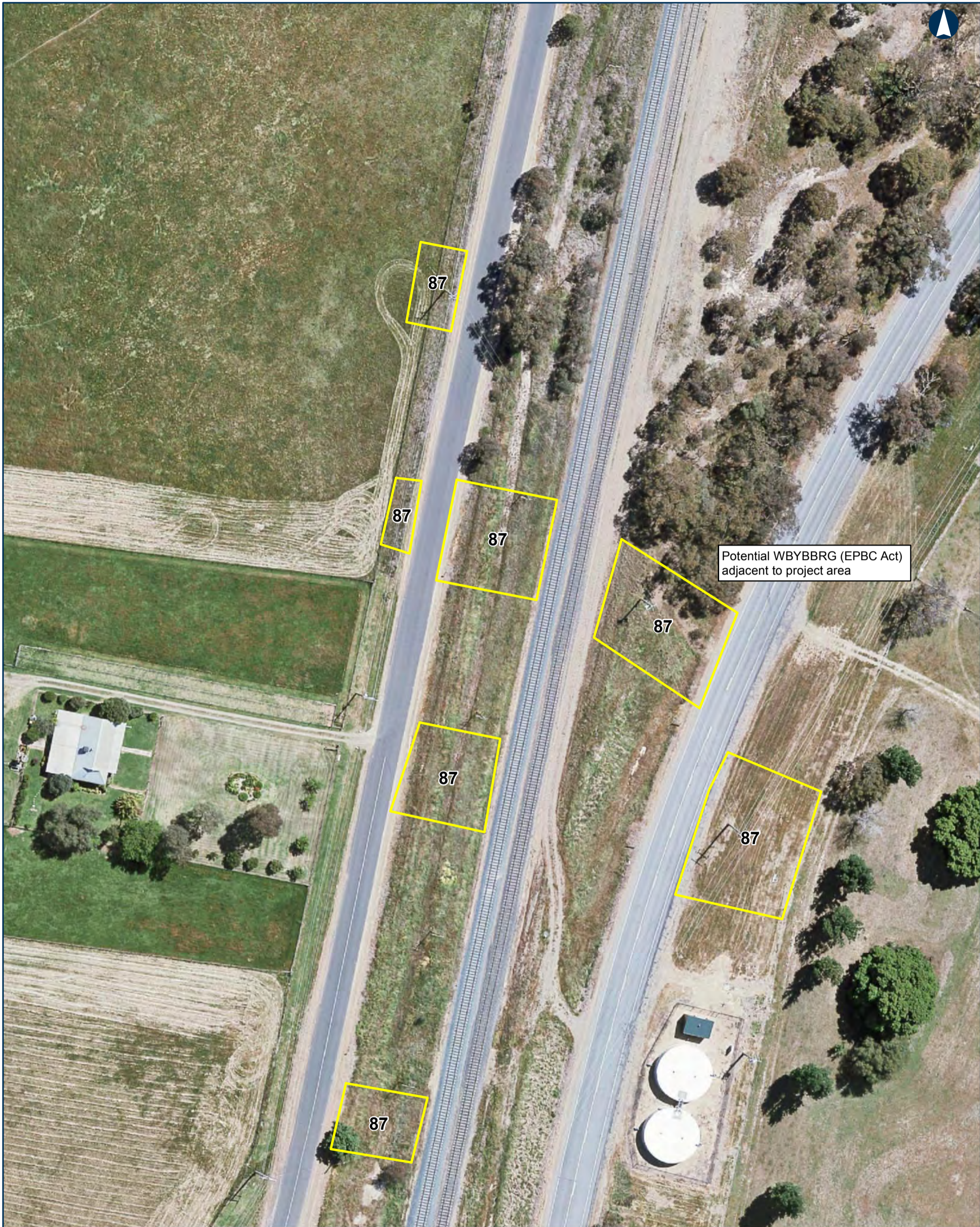
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Date: 05-Feb-20 Paper: A3  
 Author: MG Scale: 1:4,000  
 Data Sources: ARTC

- LEGEND**
- Powerline Project Areas
  - Threatened Ecological Community
  - Threatend Flora**
  - ★ Mountain Swainson-pea
  - Mountain Swainson-pea protected area

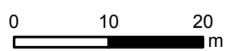


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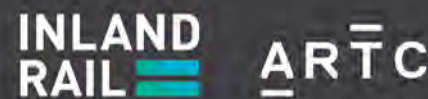
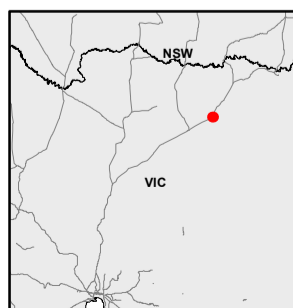
LEGEND

Powerline Project Areas

Coordinate System: GDA 1994 MGA Zone 55

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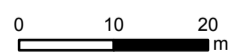


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Power Crossings Targeted Survey Results



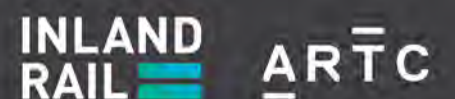
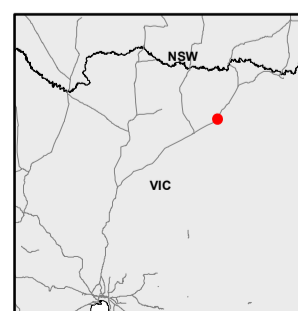
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**LEGEND**

- Powerline Project Areas
- Threatened Ecological Community



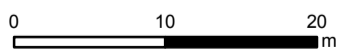
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Power Crossings Targeted Survey Results

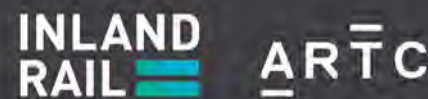
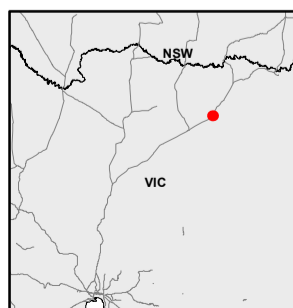


**LEGEND**  
 Powerline Project Areas

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Author: MG            Scale: 1:500  
Data Sources: ARTC

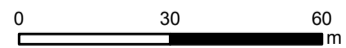


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**Power Crossings Targeted Survey Results**



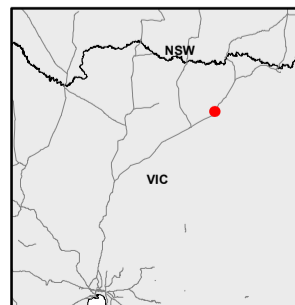
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Date: 05-Feb-20      Paper: A3  
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 Data Sources: ARTC

**LEGEND**

- Powerline Project Areas
- Threatened Ecological Community



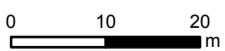
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Tottenham TO Illabo

Power Crossings Targeted Survey Results

MAP 11 OF 11





Coordinate System: GDA 1994 MGA Zone 55

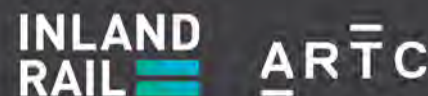
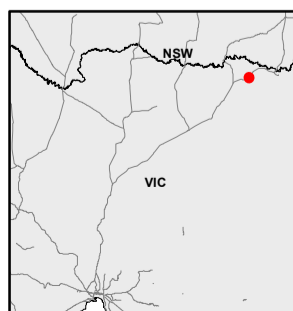
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LEGEND

-  Powerline Project Areas
-  Threatened Ecological Community



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