

Appendix D

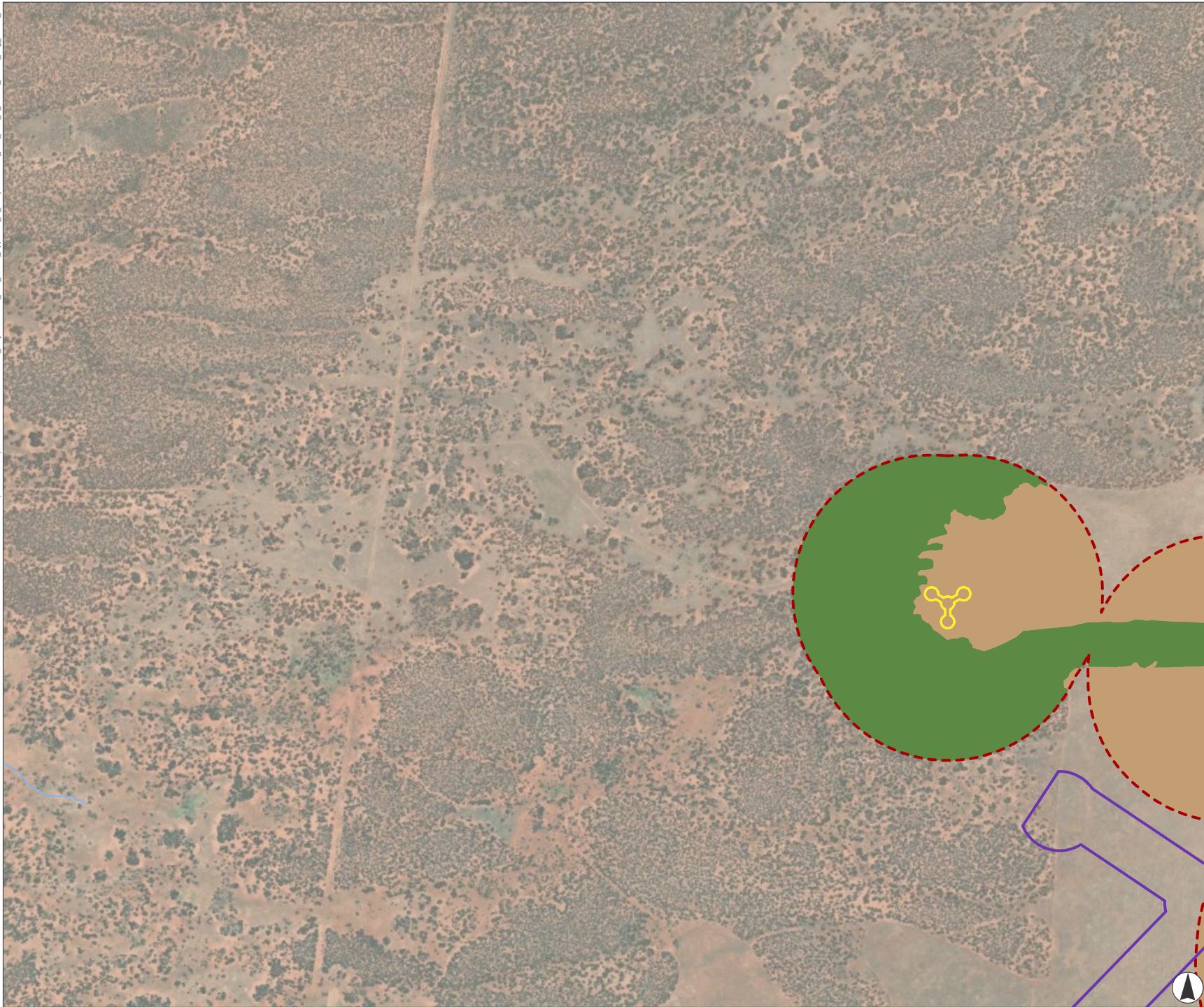
# **Revised Biodiversity Development Assessment Report**

## **Part 2 (Revised BDAR, Appendix A)**

Appendix A

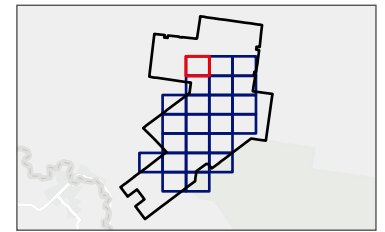
# Detailed Figure Set





**FIGURE 3.6.1**  
**Native Vegetation Extent**

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Assessment Area (500m buffer from Development Footprint)
  - Native Vegetation Extent
  - Cleared Land
  - Watercourse

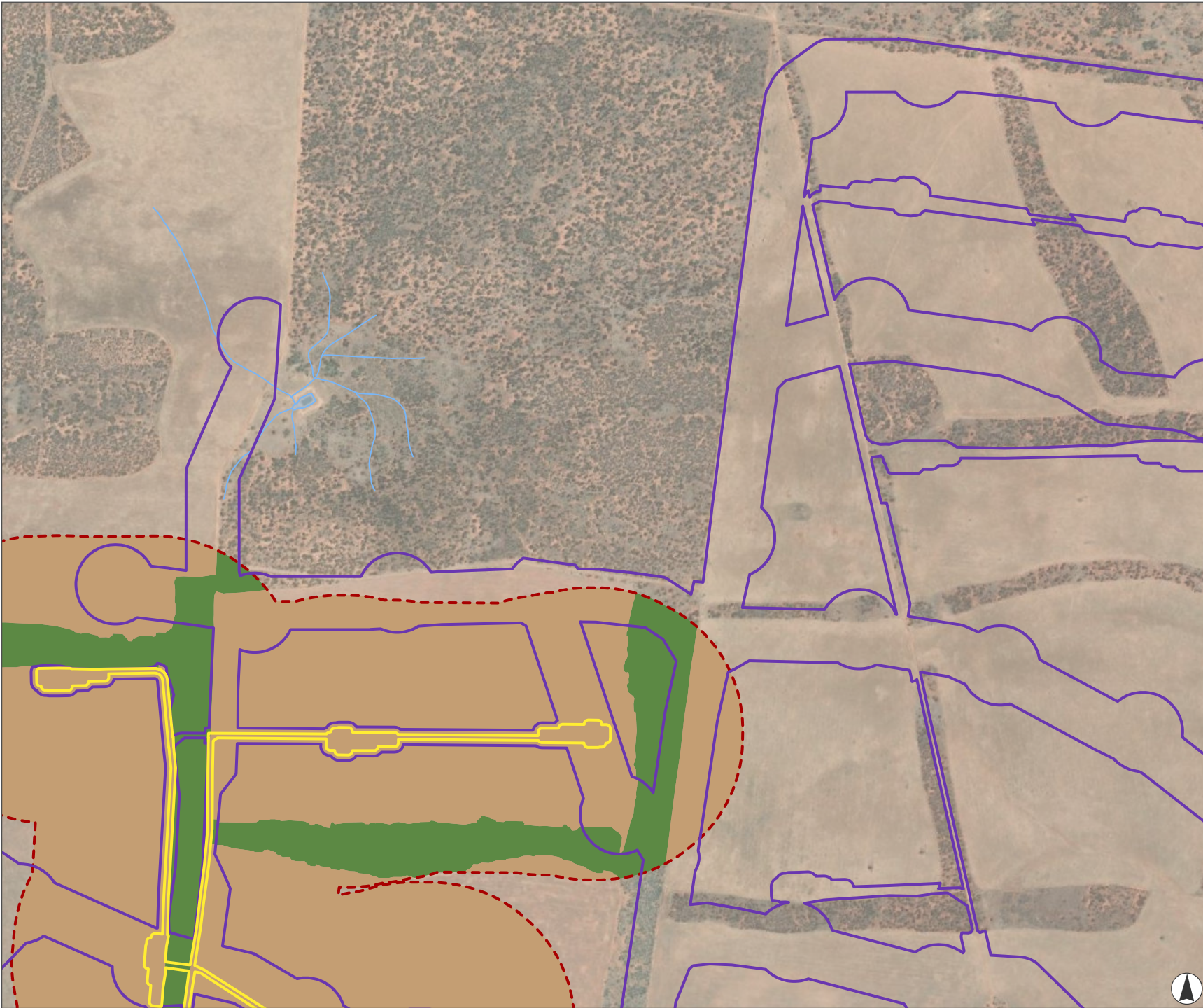


Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



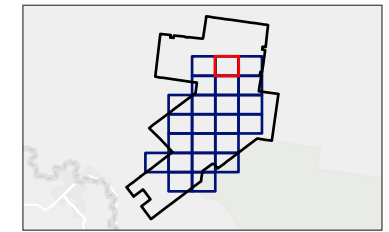
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsea.Dawson\UMWELT (AUSTRALIA) PTY LTD\31894 - 03 SAV02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0306\_Native\_Veg\_Extent\_DD



**FIGURE 3.6.2**  
Native Vegetation Extent

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Assessment Area (500m buffer from Development Footprint)
  - Native Vegetation Extent
  - Cleared Land
  - Watercourse
  - Waterbody



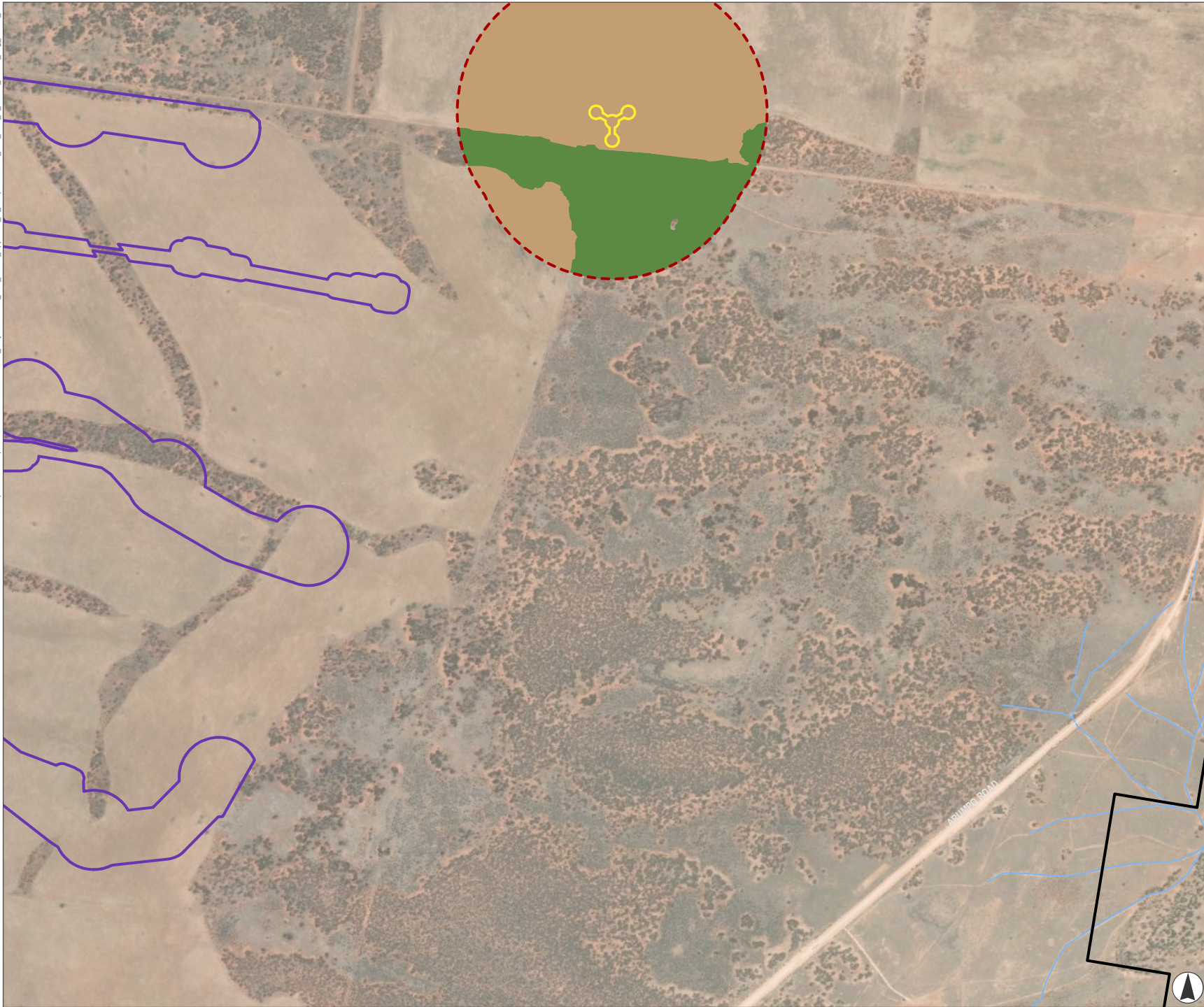
Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

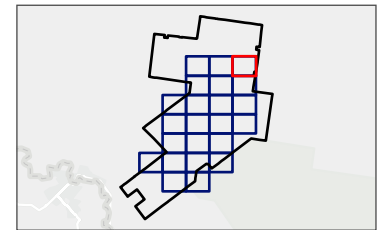


C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY LTD\31894 - 03 SAV02\_Project\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0306\_Native\_Veg\_Extent\_DD



**FIGURE 3.6.3**  
Native Vegetation Extent

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Assessment Area (500m buffer from Development Footprint)
  - Native Vegetation Extent
  - Cleared Land
  - Road
  - Watercourse

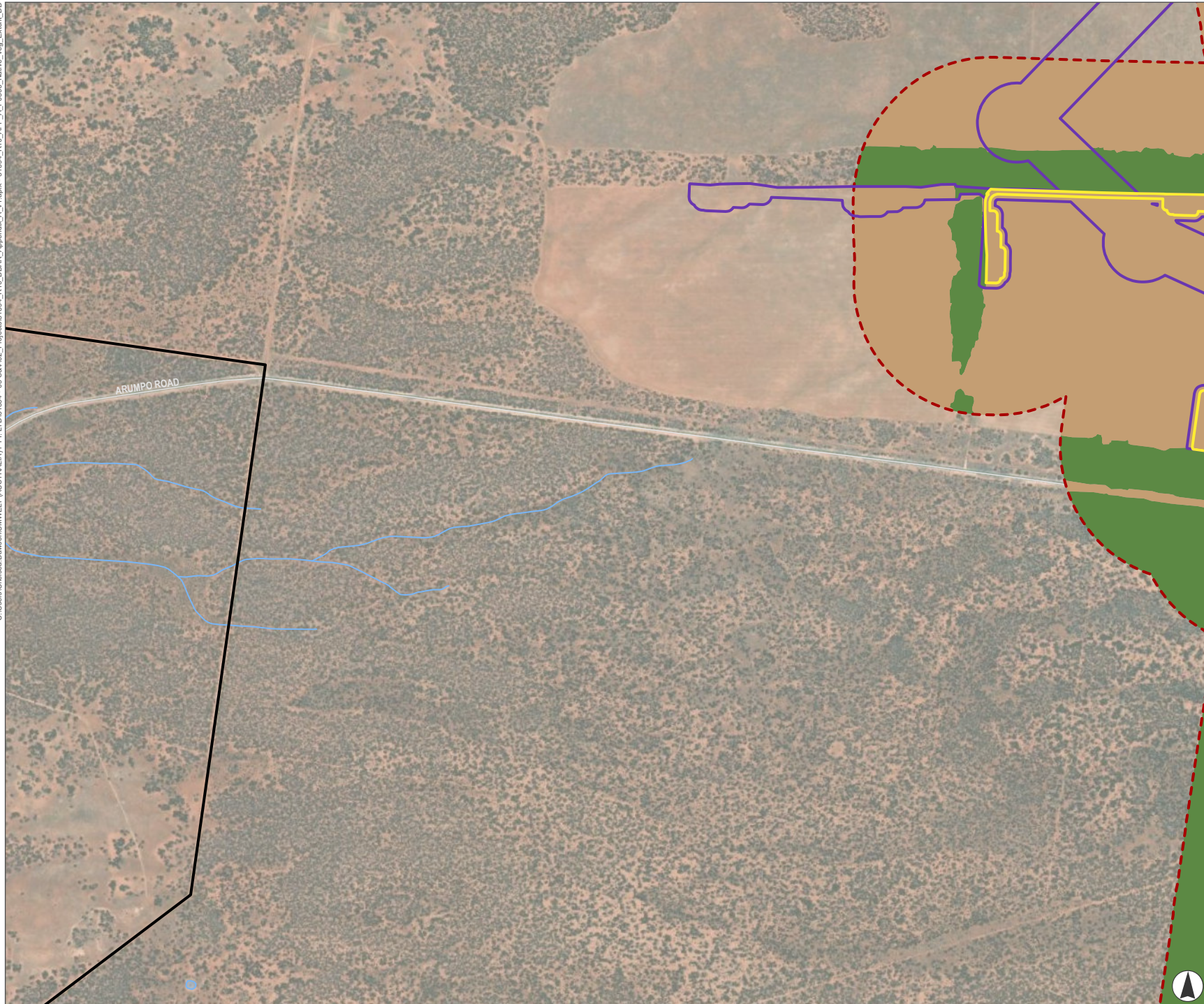


Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



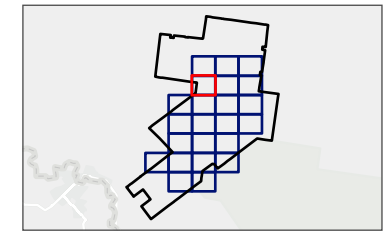
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY LTD\31894 - 03 SAV02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0306\_Native\_Veg\_Extent\_DD



**FIGURE 3.6.4**  
Native Vegetation Extent

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Assessment Area (500m buffer from Development Footprint)
  - Native Vegetation Extent
  - Cleared Land
  - Road
  - Watercourse
  - Waterbody



Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

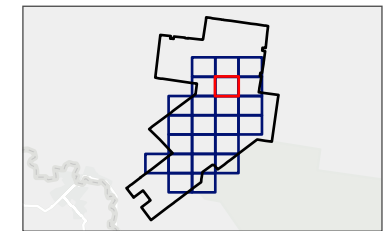
C:\Users\Chelsea.Davies\Umwelt (AUSTRALIA) PTY LTD\31894 - 03 SAV02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0306\_Native\_Veg\_Extent\_DD



**FIGURE 3.6.5**  
Native Vegetation Extent

**Legend**

-  Project Boundary
-  Development Footprint
-  Biodiversity Study Area
-  Assessment Area (500m buffer from Development Footprint)
-  Native Vegetation Extent
-  Cleared Land
-  Road

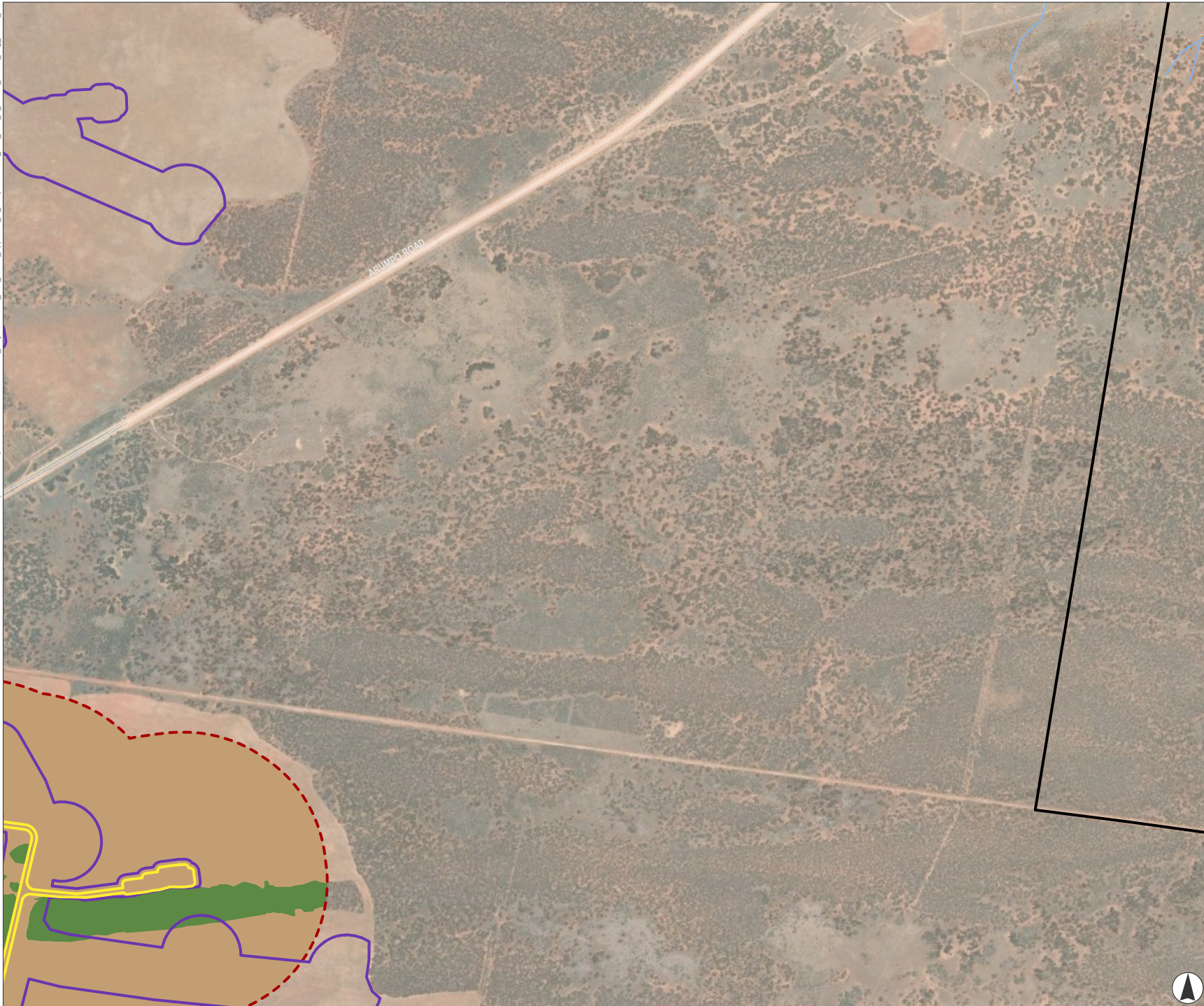


Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



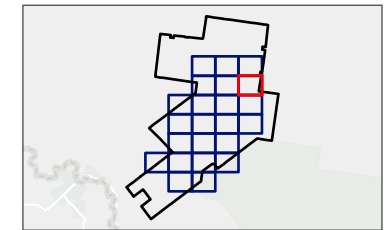
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY LTD\31894 - 03 SAV02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0306\_Native\_Veg\_Extent\_DD



**FIGURE 3.6.6**  
Native Vegetation Extent

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Assessment Area (500m buffer from Development Footprint)
  - Native Vegetation Extent
  - Cleared Land
  - Road
  - Watercourse



Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54

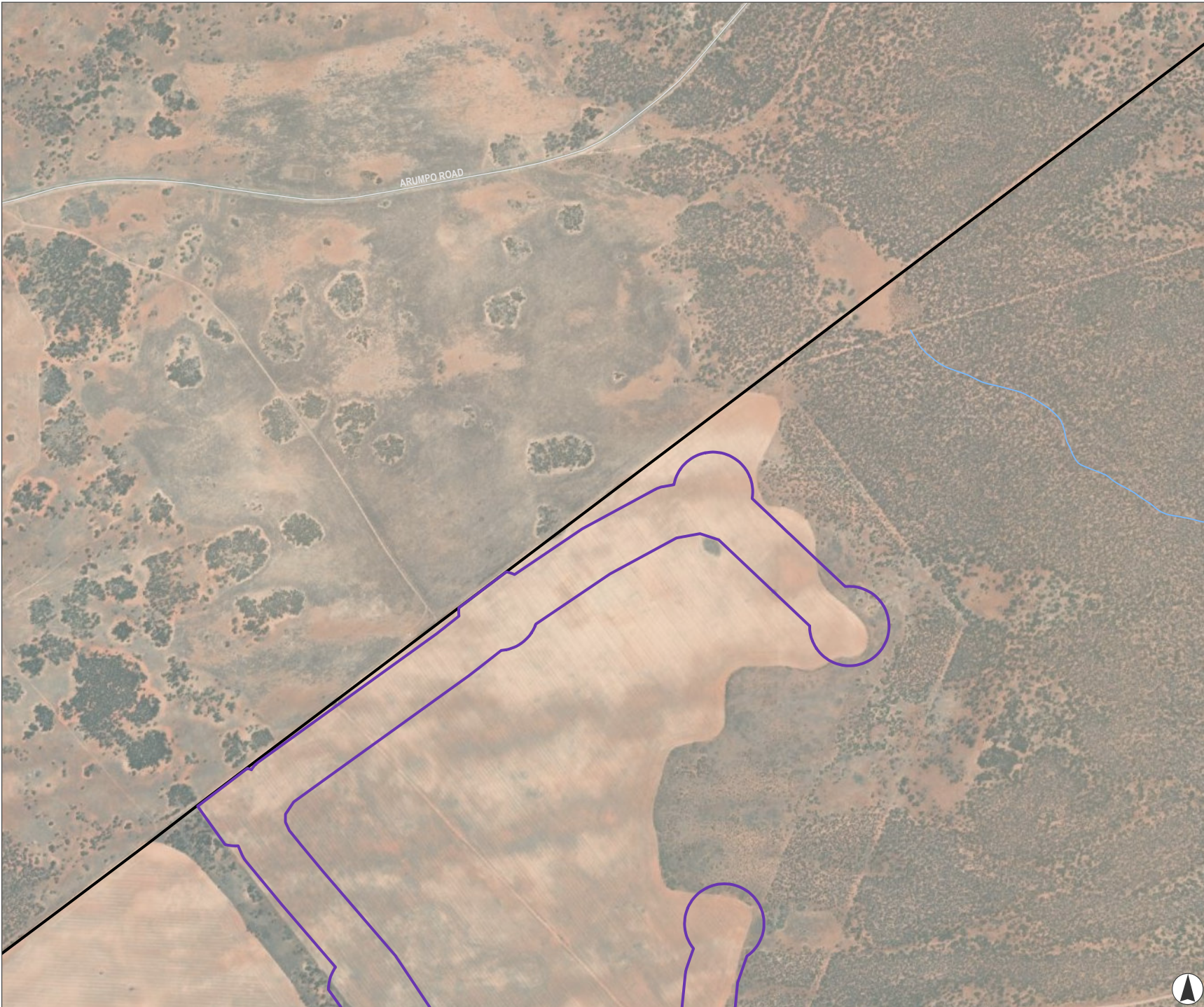


This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt







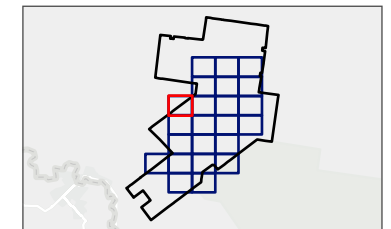


C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY LTD\31894 - 03 SAV02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0306\_Native\_Veg\_Extent\_DD



**FIGURE 3.6.7**  
Native Vegetation Extent

- Legend**
-  Project Boundary
  -  Biodiversity Study Area
  -  Road
  -  Watercourse



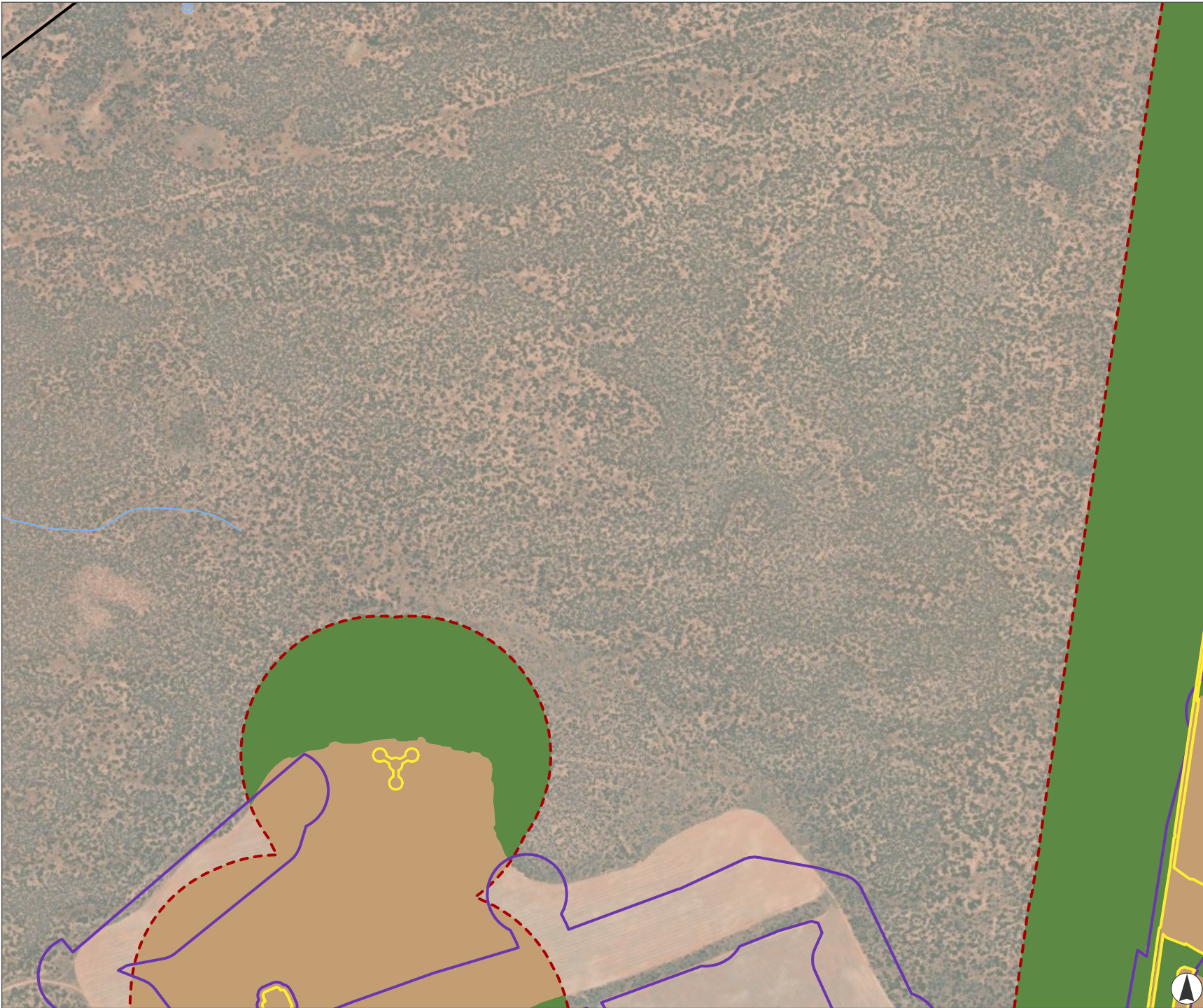
Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

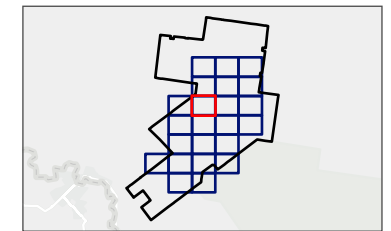


C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY LTD\31884 - 03 S&V02\_Projects\31884\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31884\_R10\_APP\_A\_F0306\_Native\_Veg\_Extent\_DD



**FIGURE 3.6.8**  
**Native Vegetation Extent**

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Assessment Area (500m buffer from Development Footprint)
  - Native Vegetation Extent
  - Cleared Land
  - Watercourse
  - Waterbody



Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



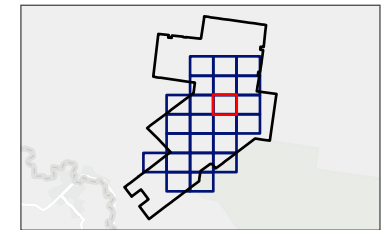
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY LTD\31894 - 03 SAV02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0306\_Native\_Veg\_Extent\_DD



**FIGURE 3.6.9**  
Native Vegetation Extent

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Assessment Area (500m buffer from Development Footprint)
  - Native Vegetation Extent
  - Cleared Land
  - Watercourse
  - Waterbody

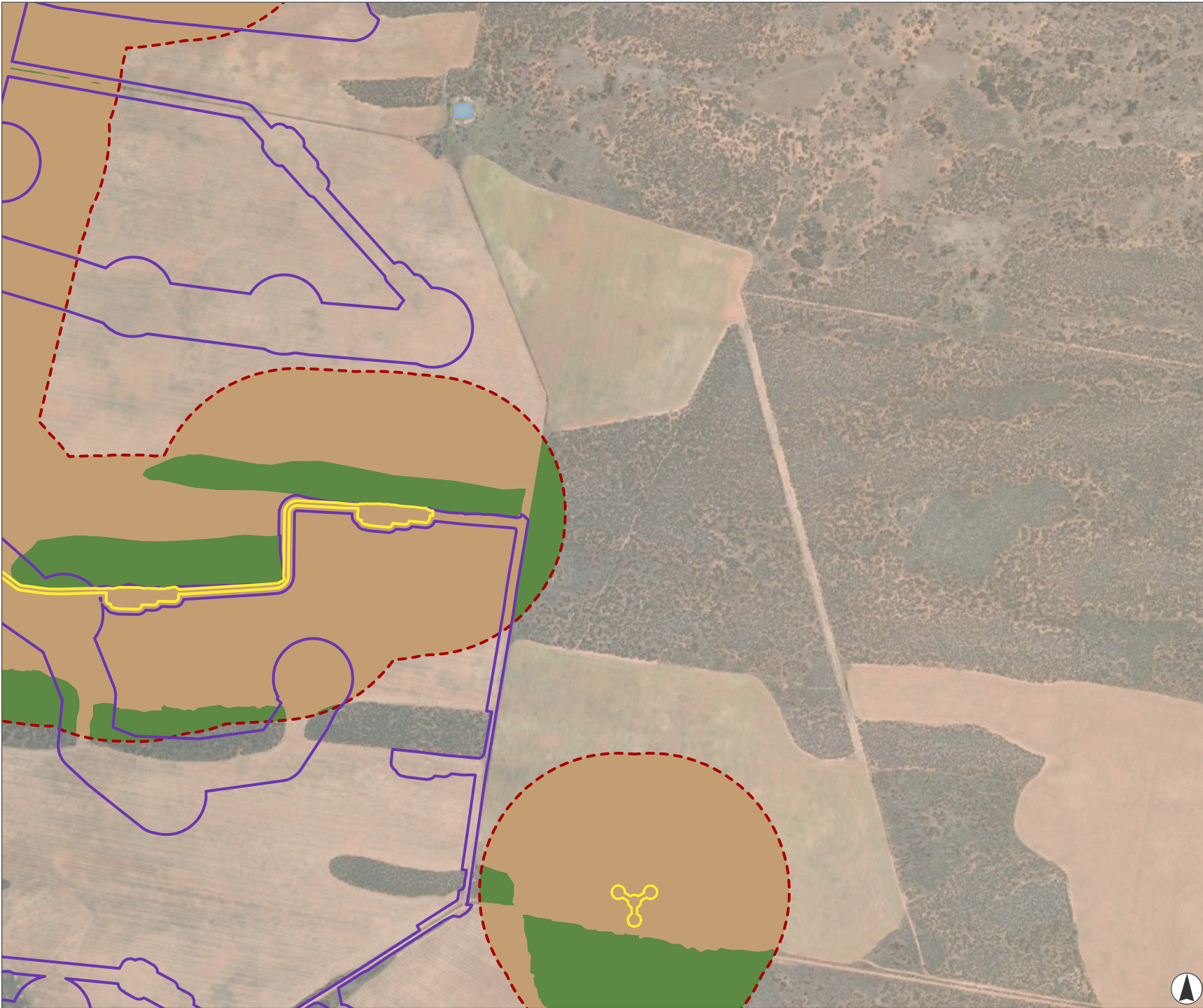


Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



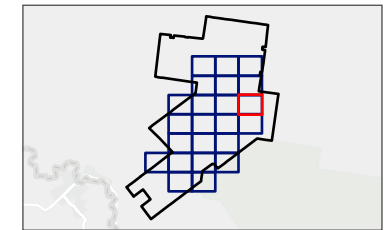
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY LTD\31894 - 03 S&V02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0306\_Native\_Veg\_Extent\_DD



**FIGURE 3.6.10**  
**Native Vegetation Extent**

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Assessment Area (500m buffer from Development Footprint)
  - Native Vegetation Extent
  - Cleared Land
  - Waterbody



Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

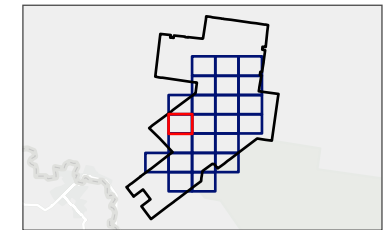


C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY LTD\31894 - 03 SAV02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0306\_Native\_Veg\_Extent\_DD



**FIGURE 3.6.11**  
Native Vegetation Extent

- Legend**
- Project Boundary
  - Biodiversity Study Area
  - Assessment Area (500m buffer from Development Footprint)
  - Native Vegetation Extent
  - Cleared Land
  - Watercourse
  - Waterbody



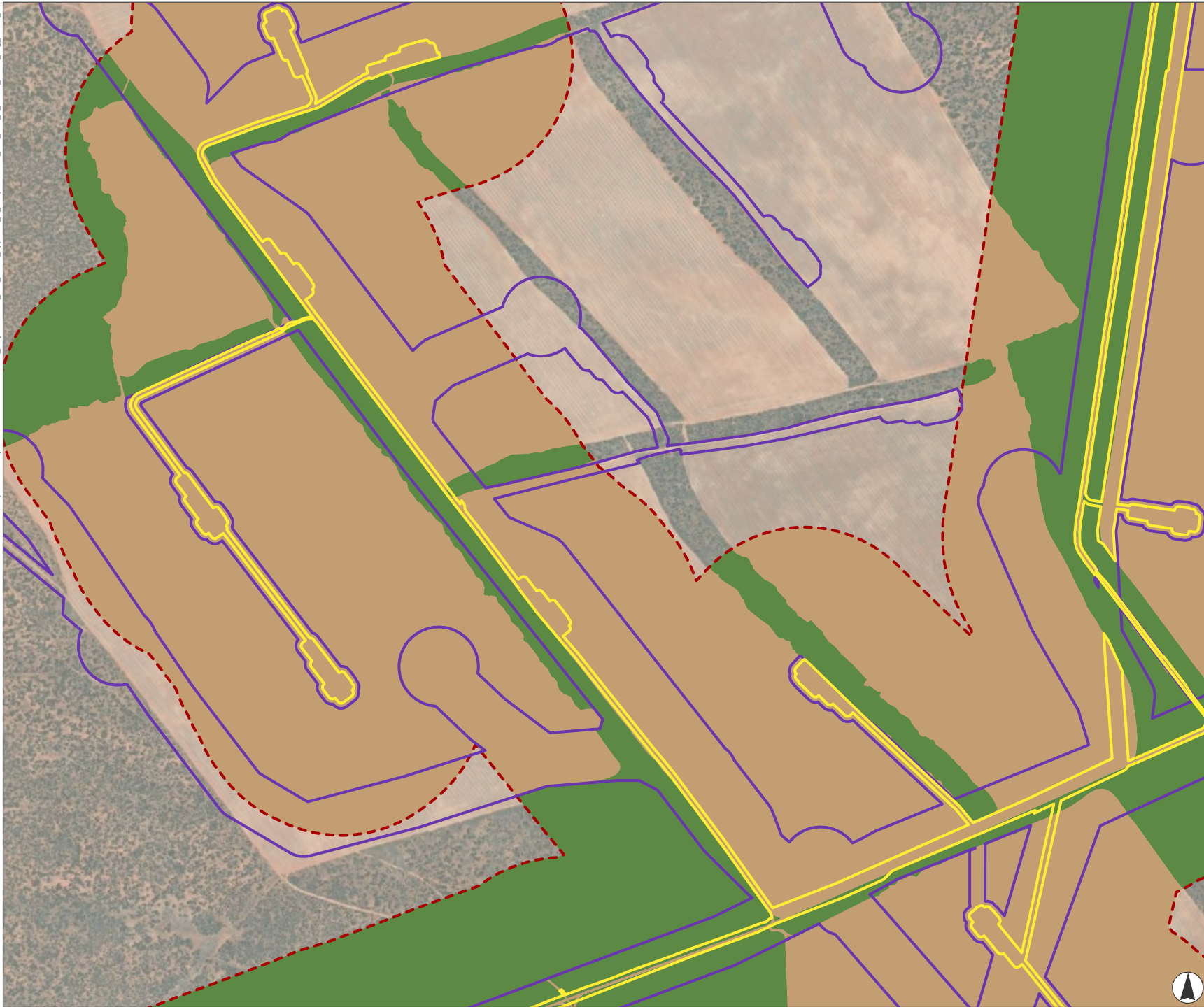
Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

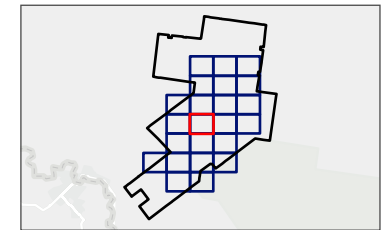


C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY LTD\31894 - 03 SAV02\_Project\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0306\_Native\_Veg\_Extent\_DD



**FIGURE 3.6.12**  
Native Vegetation Extent

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Assessment Area (500m buffer from Development Footprint)
  - Native Vegetation Extent
  - Cleared Land
  - Watercourse



0 0.5 1  
Kilometres

Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



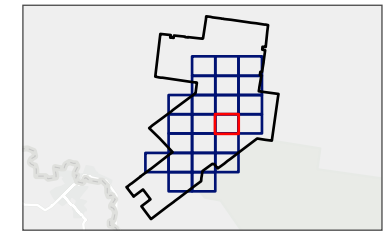
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsea.Davies\umwelt\AUSTRALIA\PTY\_LTD\31894 - 03 SAV02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0306\_Native\_Veg\_Extent\_DD



**FIGURE 3.6.13**  
Native Vegetation Extent

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Assessment Area (500m buffer from Development Footprint)
  - Native Vegetation Extent
  - Cleared Land
  - Watercourse
  - Waterbody



Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt








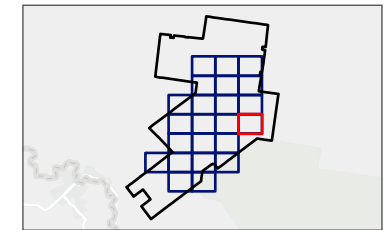
C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY LTD\31894 - 03 SAV02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0906\_Native\_Veg\_Extent\_DD



**FIGURE 3.6.14**  
Native Vegetation Extent

**Legend**

-  Project Boundary
-  Biodiversity Study Area
-  Assessment Area (500m buffer from Development Footprint)
-  Native Vegetation Extent
-  Cleared Land



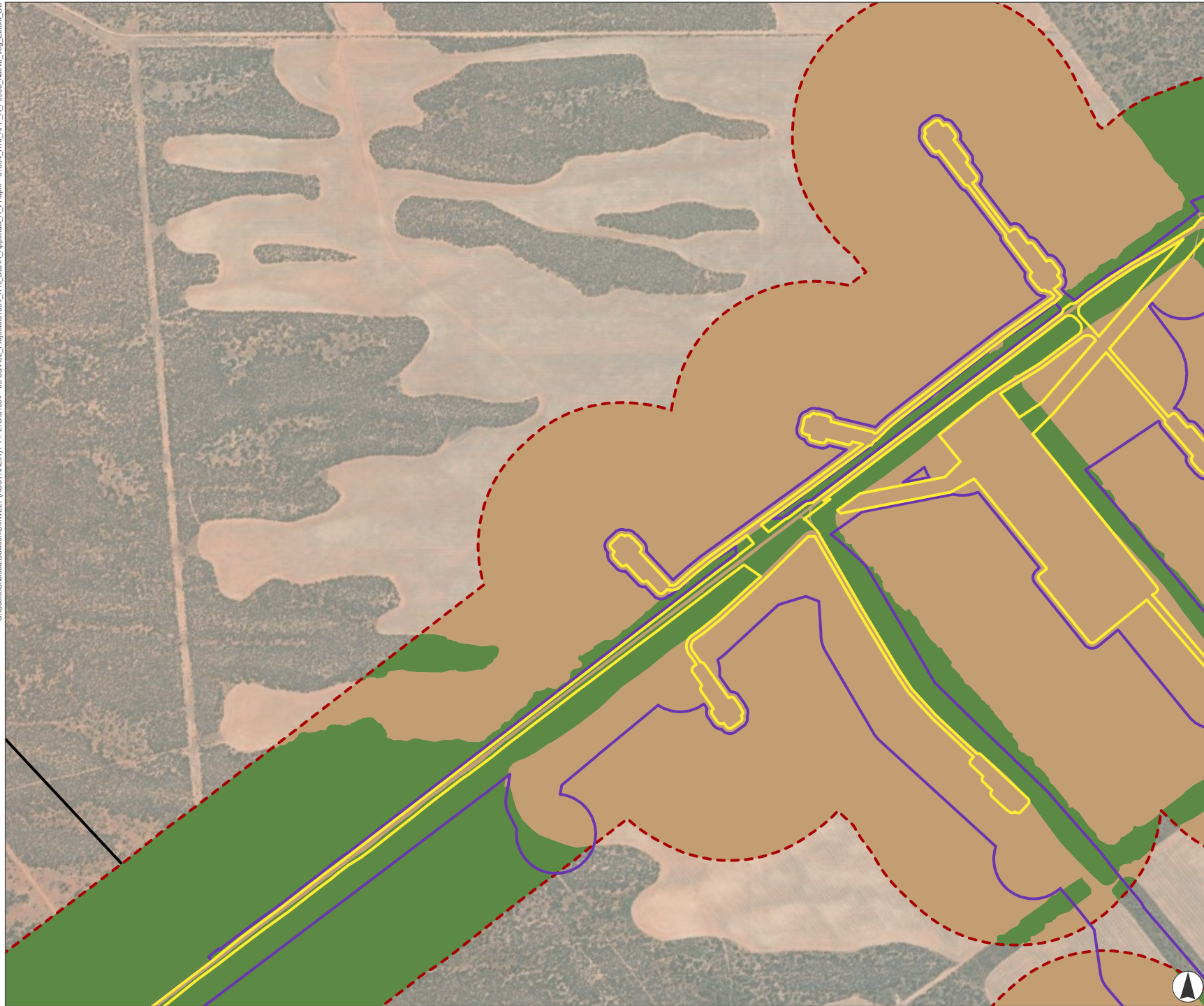
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

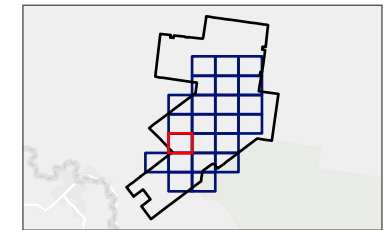


C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY LTD\31894 - 03 SAV02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0306\_Native\_Veg\_Extent\_DD



**FIGURE 3.6.15**  
**Native Vegetation Extent**

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Assessment Area (500m buffer from Development Footprint)
  - Native Vegetation Extent
  - Cleared Land

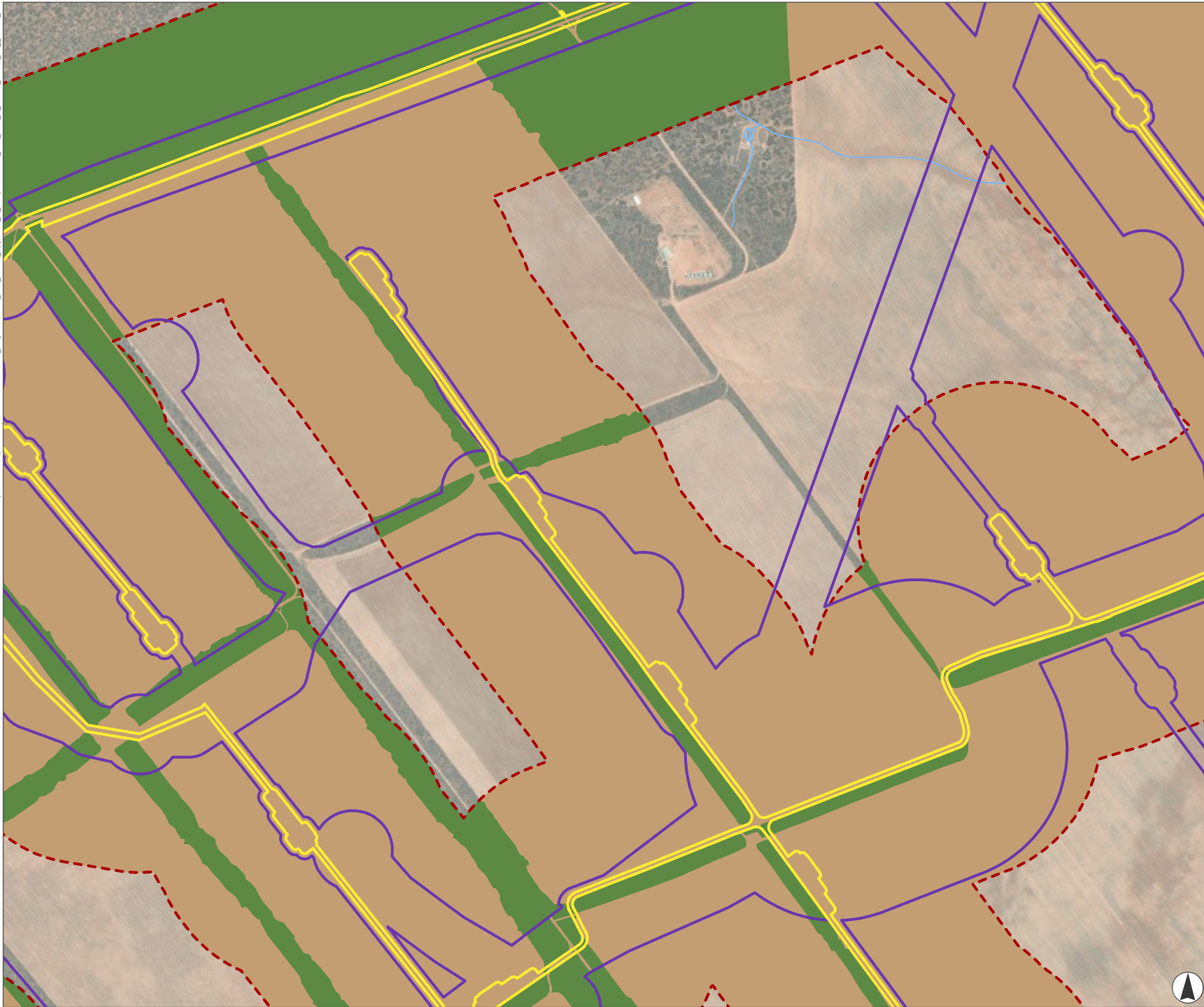


Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



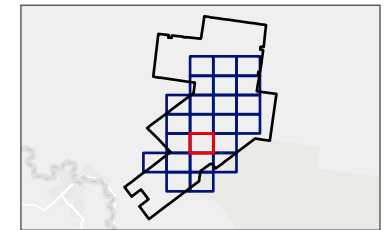
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsea.Dawson\UMWELT (AUSTRALIA) PTY LTD\31894 - 03 SAV02\_Project\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0306\_Native\_Veg\_Extent\_DD



**FIGURE 3.6.16**  
Native Vegetation Extent

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Assessment Area (500m buffer from Development Footprint)
  - Native Vegetation Extent
  - Cleared Land
  - Watercourse
  - Waterbody



Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

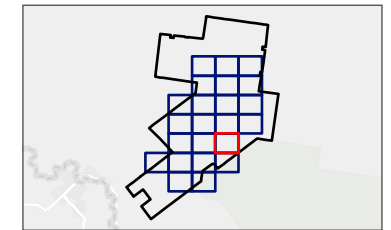


C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY LTD\31894 - 03 SAV02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0306\_Native\_Veg\_Extent\_DD



**FIGURE 3.6.17**  
**Native Vegetation Extent**

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Assessment Area (500m buffer from Development Footprint)
  - Native Vegetation Extent
  - Cleared Land
  - Watercourse
  - Waterbody
  - NPWS Estates



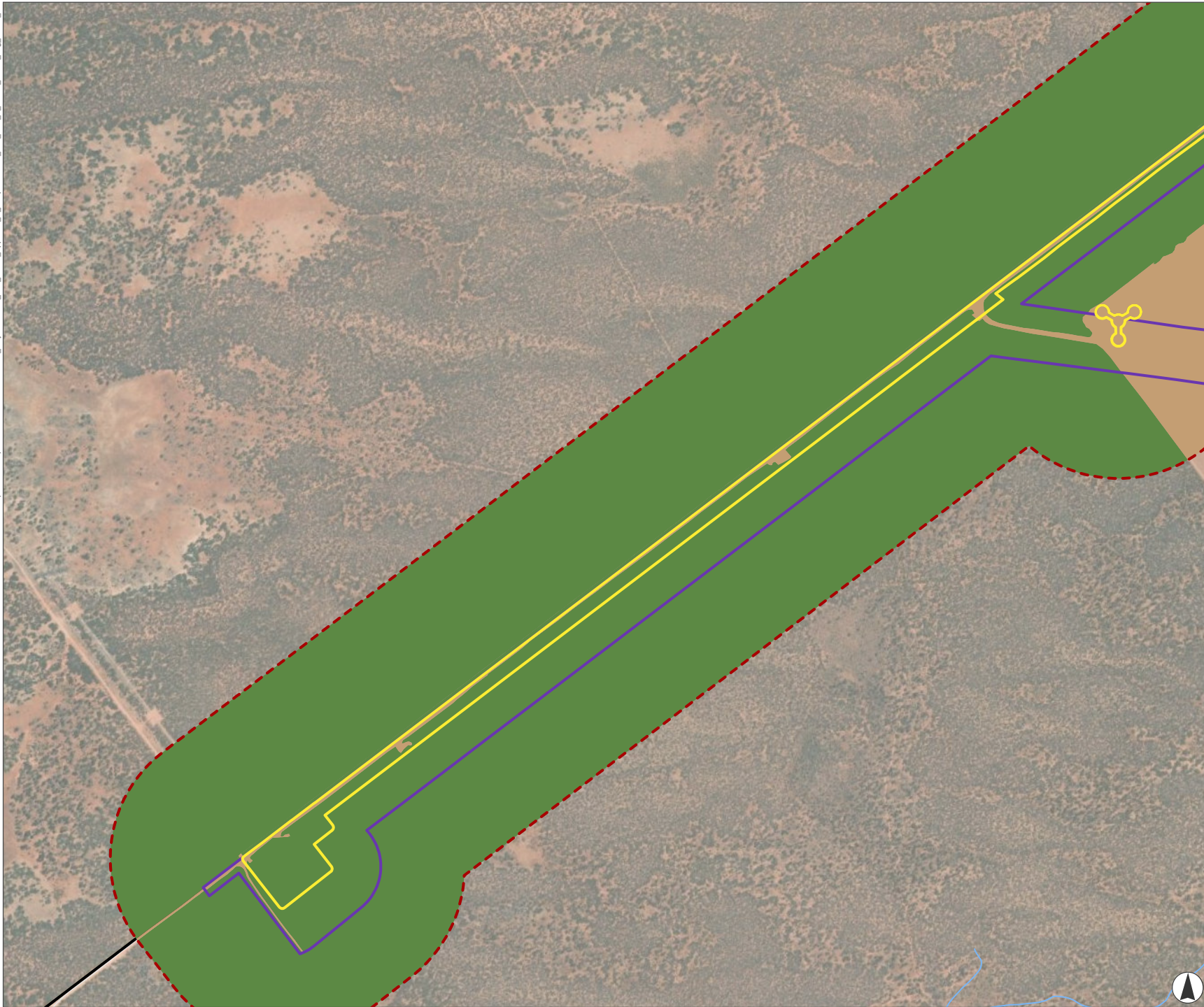
Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

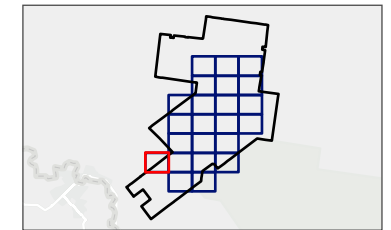


C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY LTD\31854 - 03 SAV02\_Projects\31854\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31854\_R10\_APP\_A\_F0906\_Native\_Veg\_Extent\_DD



**FIGURE 3.6.18**  
**Native Vegetation Extent**

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Assessment Area (500m buffer from Development Footprint)
  - Native Vegetation Extent
  - Cleared Land
  - Road
  - Watercourse
  - Waterbody

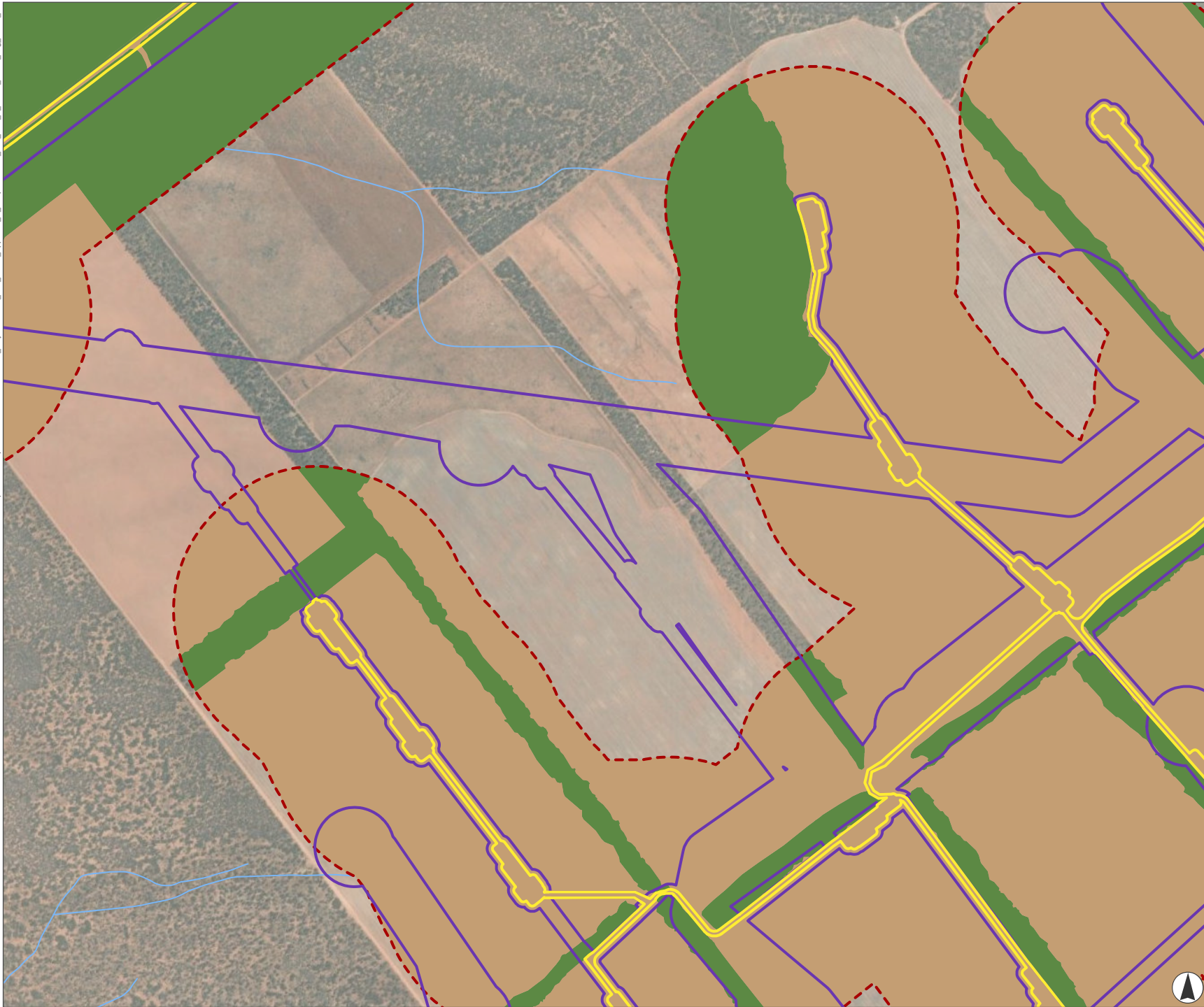


Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54










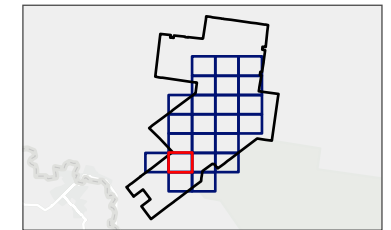
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY LTD\31894 - 03 SAV02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0306\_Native\_Veg\_Extent\_DD



**FIGURE 3.6.19**  
**Native Vegetation Extent**

- Legend**
-  Project Boundary
  -  Development Footprint
  -  Biodiversity Study Area
  -  Assessment Area (500m buffer from Development Footprint)
  -  Native Vegetation Extent
  -  Cleared Land
  -  Watercourse



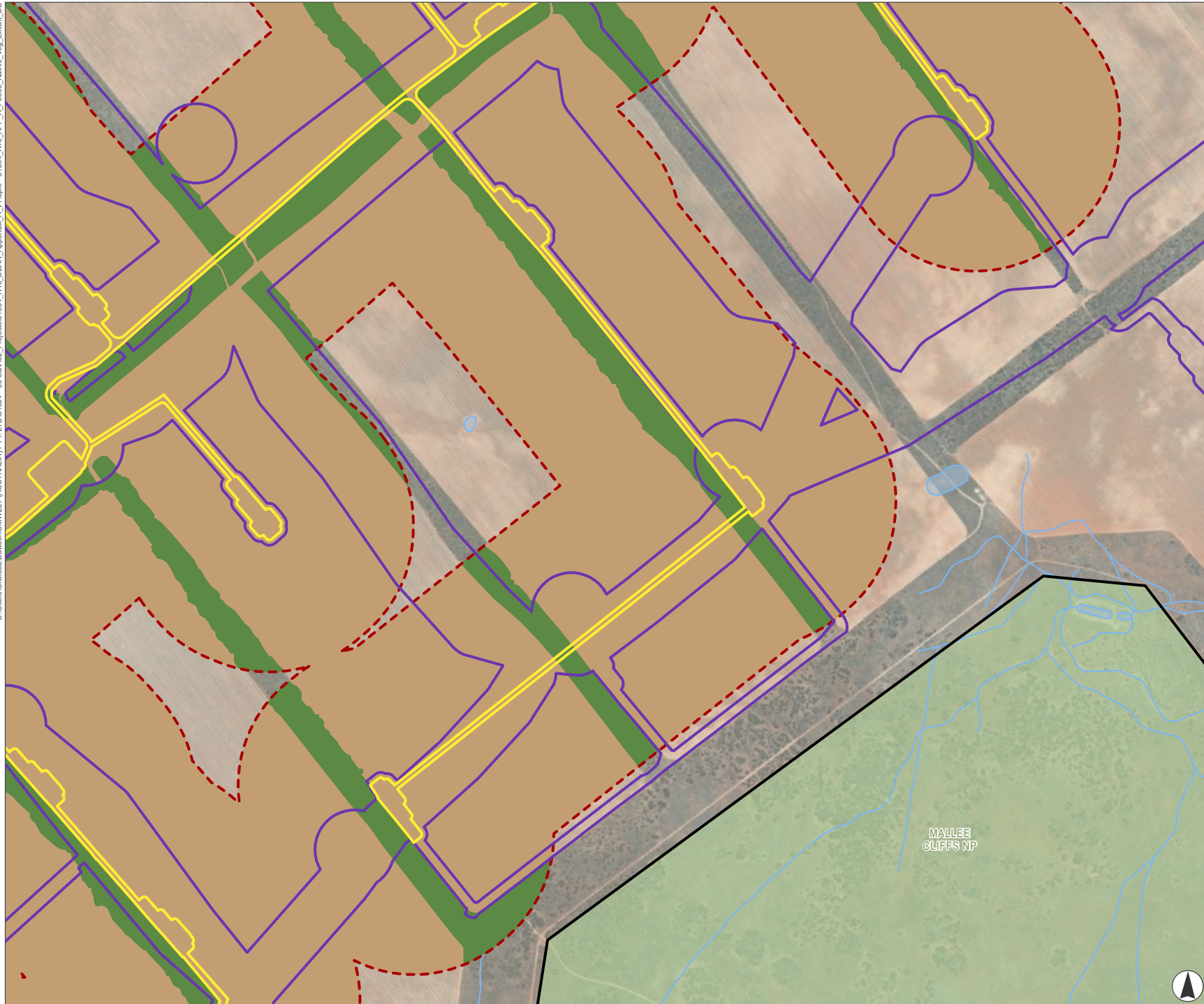
Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



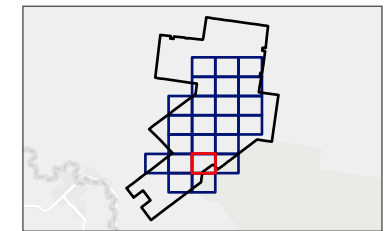
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY LTD\31894 - 03 SAV02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0306\_Native\_Veg\_Extent\_DD

**FIGURE 3.6.20**  
**Native Vegetation Extent**



- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Assessment Area (500m buffer from Development Footprint)
  - Native Vegetation Extent
  - Cleared Land
  - Watercourse
  - Waterbody
  - NPWS Estates



Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



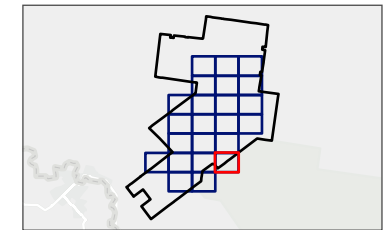
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY LTD\31894 - 03 SAV02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0306\_Native\_Veg\_Extent\_DD



**FIGURE 3.6.21**  
Native Vegetation Extent

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Assessment Area (500m buffer from Development Footprint)
  - Native Vegetation Extent
  - Cleared Land
  - Watercourse
  - NPWS Estates



Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



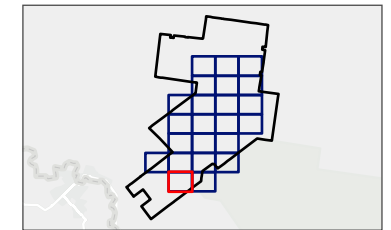
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt





**FIGURE 3.6.22**  
Native Vegetation Extent

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Assessment Area (500m buffer from Development Footprint)
  - Native Vegetation Extent
  - Cleared Land
  - Watercourse



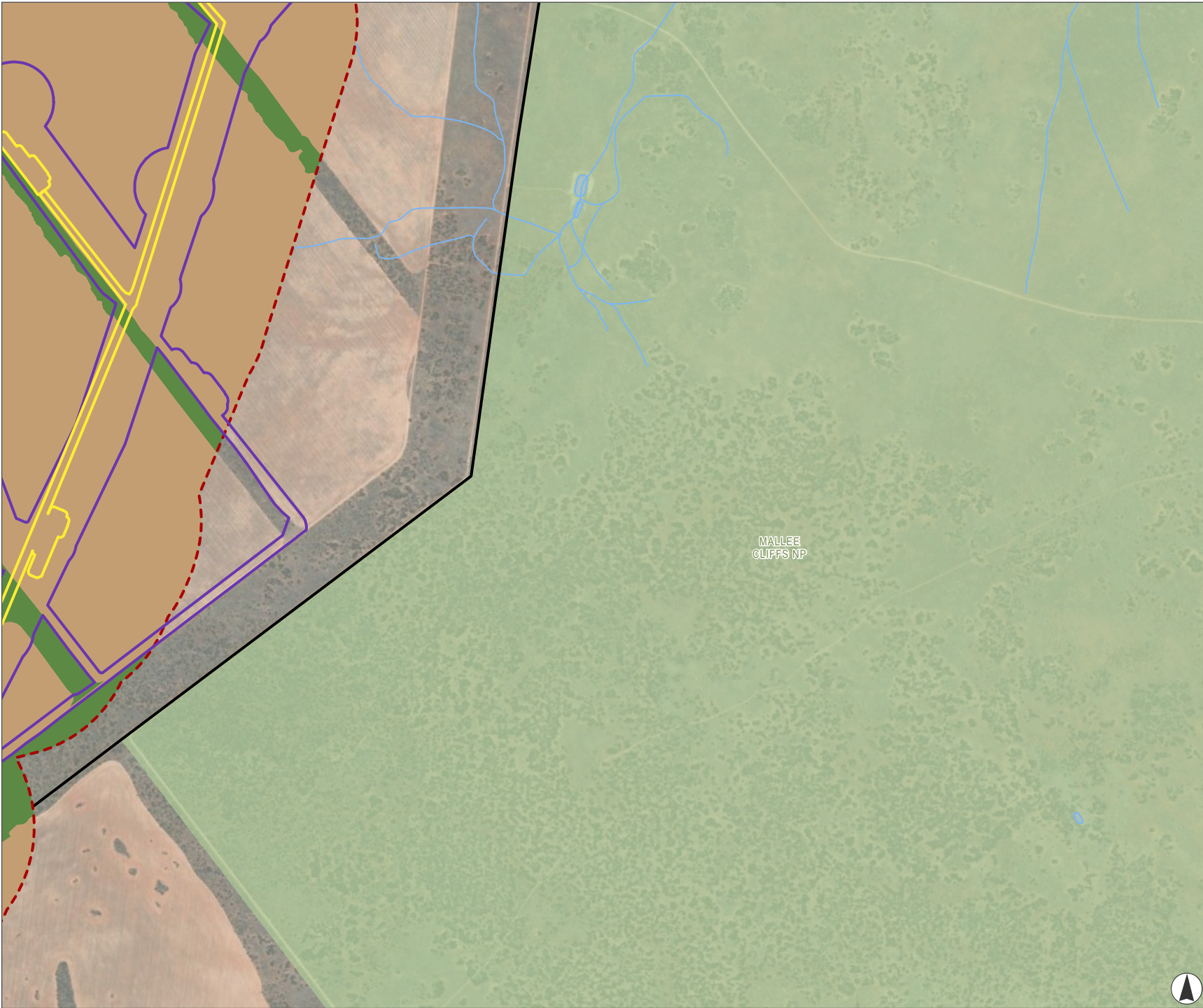
Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

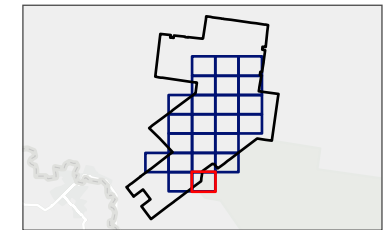


C:\Users\Chelsea.Davies\Umwelt (AUSTRALIA) PTY LTD\31894 - 03 SAV02\_Project\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0306\_Native\_Veg\_Extent\_DD



**FIGURE 3.6.23**  
Native Vegetation Extent

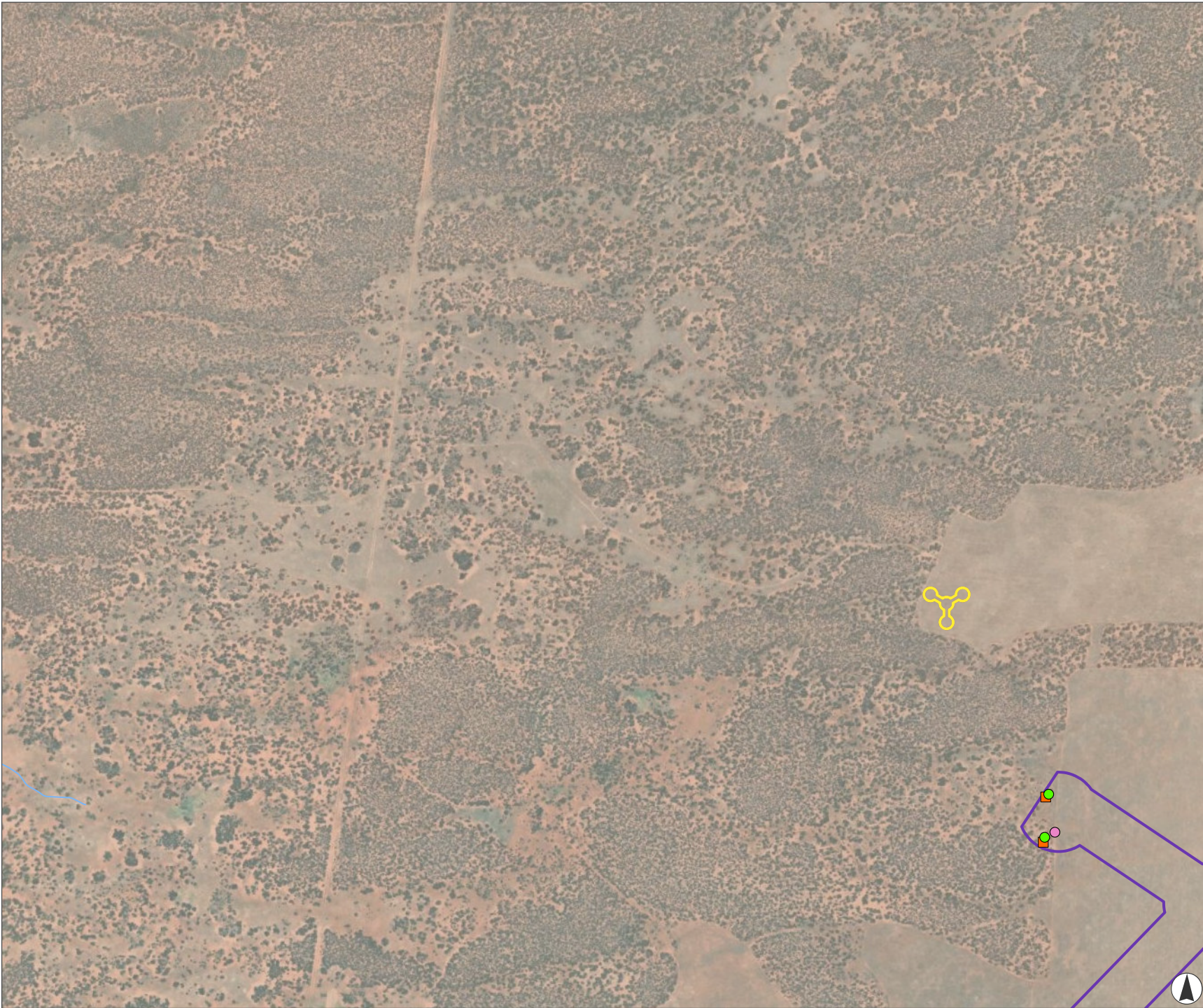
- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Assessment Area (500m buffer from Development Footprint)
  - Native Vegetation Extent
  - Cleared Land
  - Watercourse
  - Waterbody
  - NPWS Estates



Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



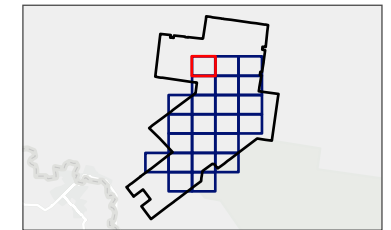
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt



### FIGURE 4.1.1

## Vegetation Assessment Methods

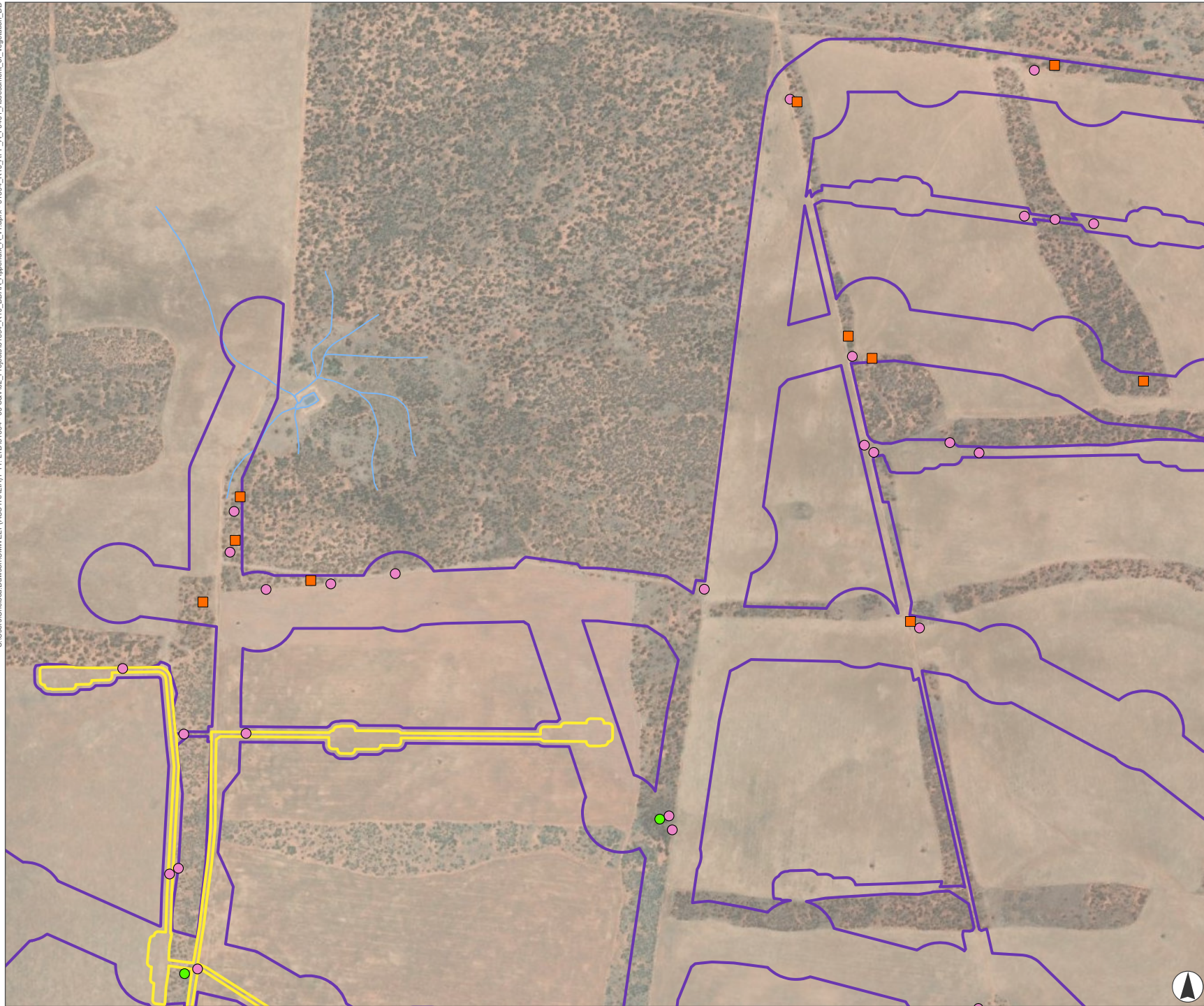
- Legend**
- BAM Plot Location
  - Rapid Vegetation Assessments
  - Vegetation Notes
  - ▭ Project Boundary
  - ▭ Development Footprint
  - ▭ Biodiversity Study Area
  - Watercourse



Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54

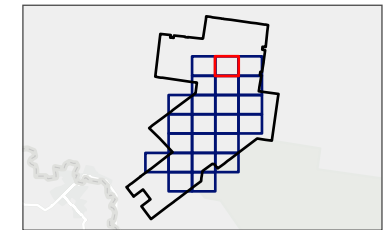


This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt



**FIGURE 4.1.2**  
**Vegetation Assessment Methods**

- Legend**
- BAM Plot Location
  - Rapid Vegetation Assessments
  - Vegetation Notes
  - ▭ Project Boundary
  - ▭ Development Footprint
  - ▭ Biodiversity Study Area
  - Watercourse
  - ▭ Waterbody



Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



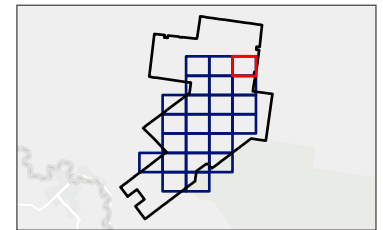
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 88V02\_P\Projects\31894\_R10\_BDAR\_A\appendix\_A\_V1.aprx - 31894\_R10\_APP\_A\_F0401\_Assessment\_of\_Vegetation\_DD



**FIGURE 4.1.3**  
**Vegetation Assessment**  
**Methods**

- Legend**
- BAM Plot Location
  - Vegetation Notes
  - Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Road
  - Watercourse

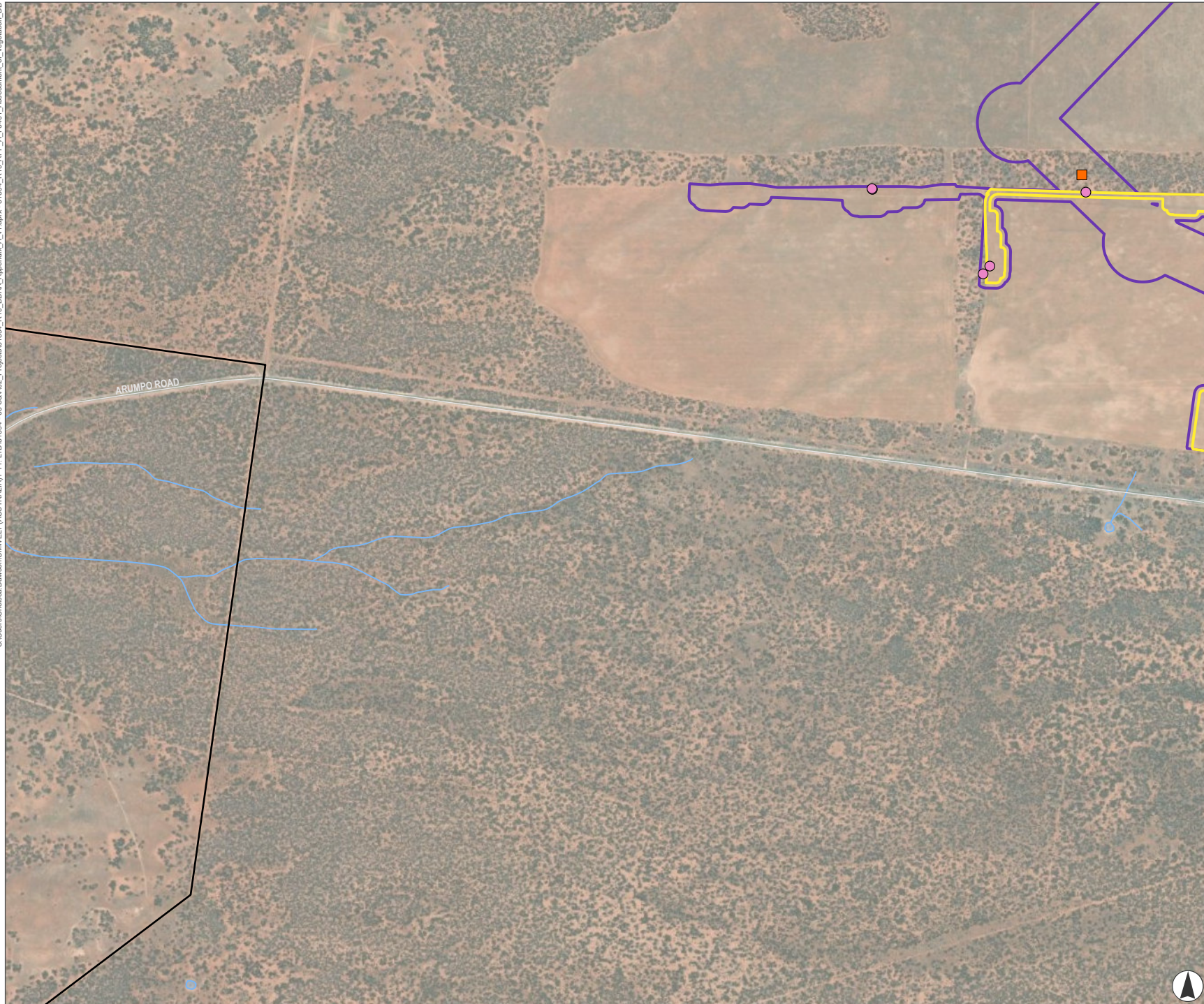


Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54











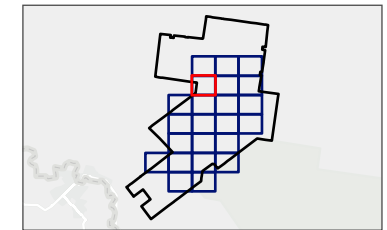
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 88V02\_P\Projects\31894\_R10\_BDAR\_Appendix\_A\_V1.aprx - 31894 - Assessment\_of\_Vegetation\_DD



**FIGURE 4.1.4**  
**Vegetation Assessment Methods**

- Legend**
-  Rapid Vegetation Assessments
  -  Vegetation Notes
  -  Project Boundary
  -  Development Footprint
  -  Biodiversity Study Area
  -  Road
  -  Watercourse
  -  Waterbody

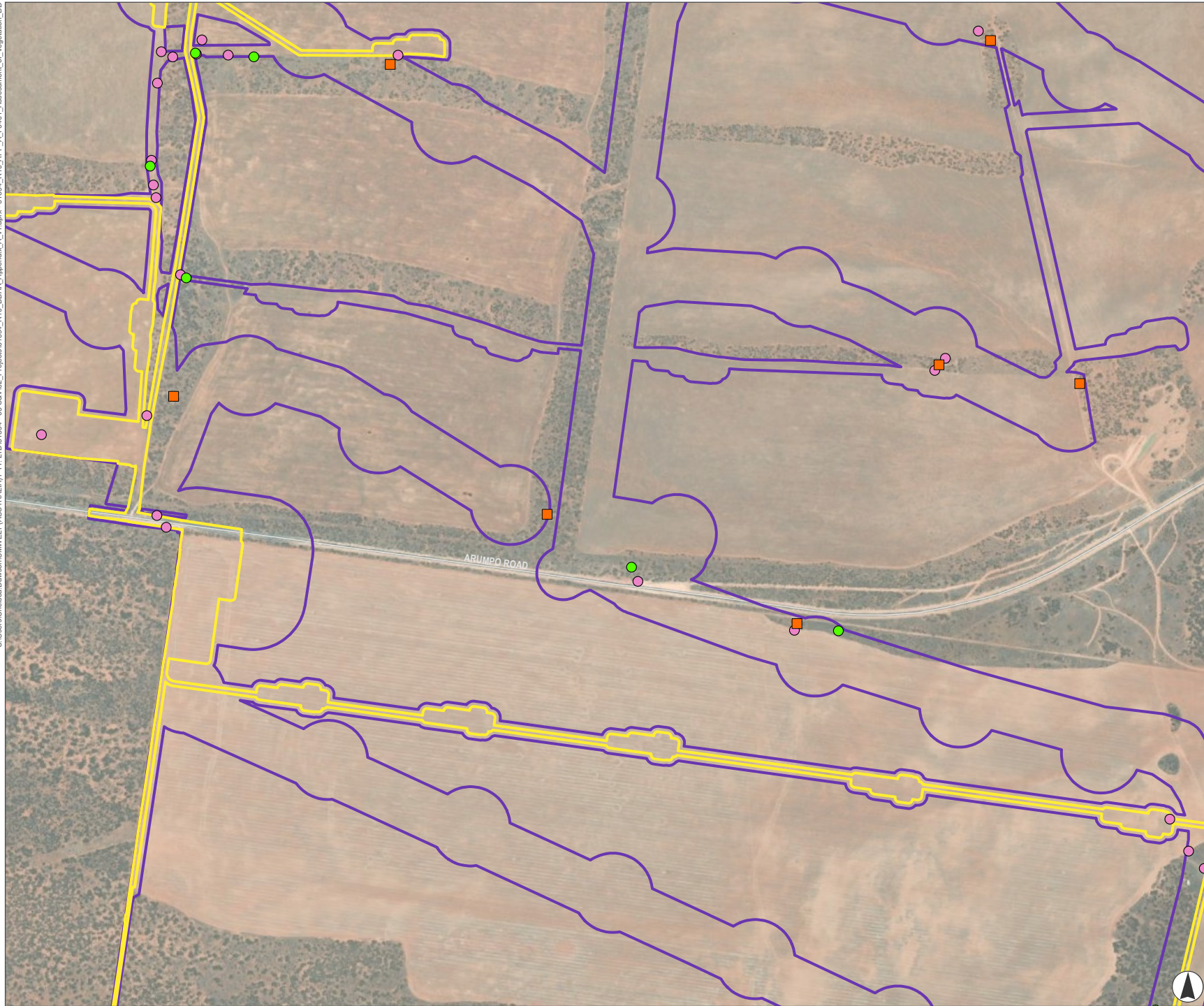


Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



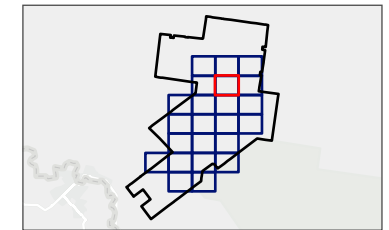
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt





**FIGURE 4.1.5**  
**Vegetation Assessment Methods**

- Legend**
- BAM Plot Location
  - Rapid Vegetation Assessments
  - Vegetation Notes
  - ▭ Project Boundary
  - ▭ Development Footprint
  - ▭ Biodiversity Study Area
  - Road

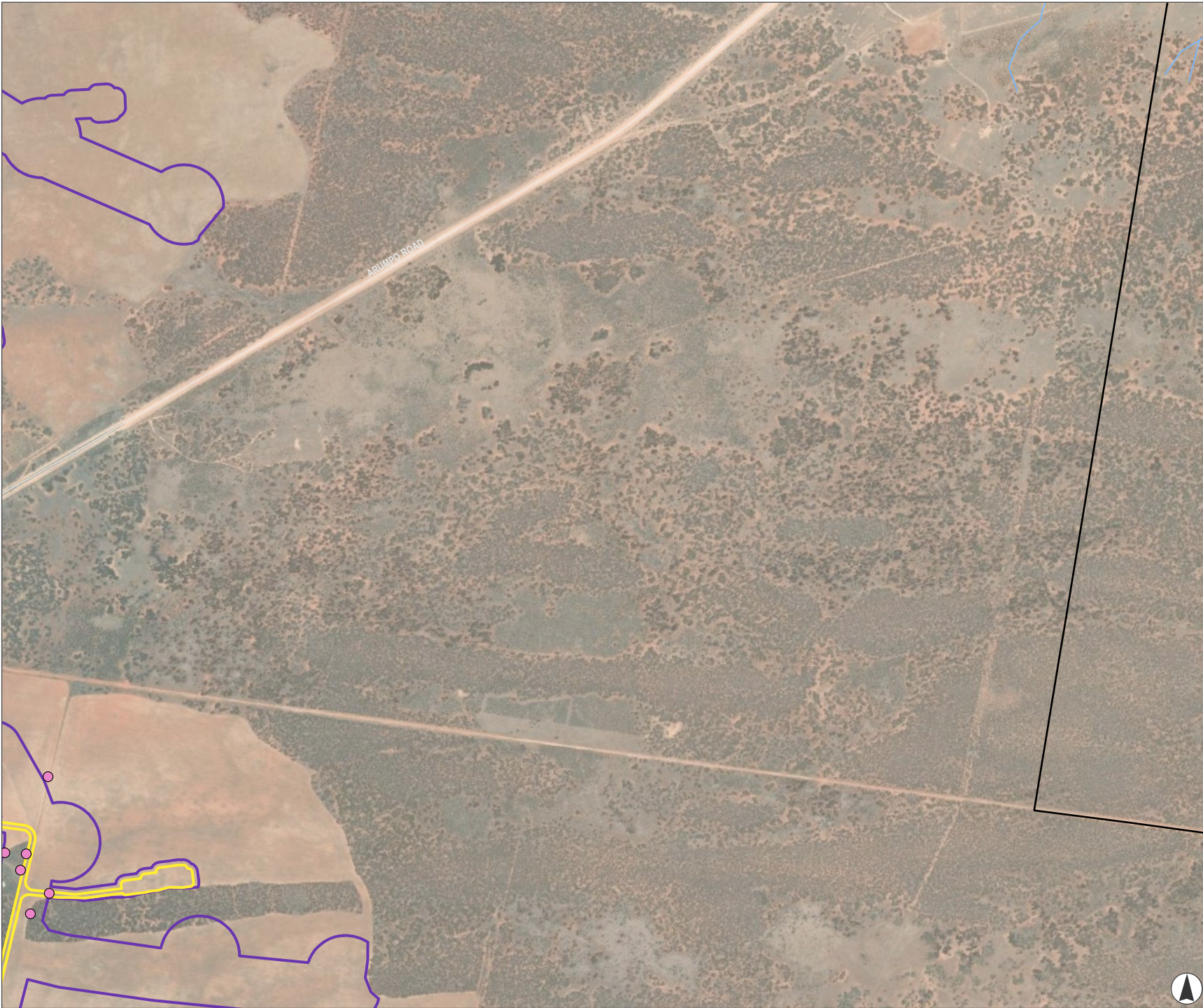


Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54









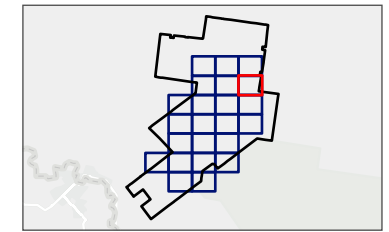
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 88V02\_P\Projects\31894\_R10\_BDAR\_A\Appendix\_A\_V1.aprx - 31894\_R10\_APP\_A\_F0401\_Assessment\_of\_Vegetation\_DD



**FIGURE 4.1.6**  
**Vegetation Assessment**  
**Methods**

- Legend**
-  Vegetation Notes
  -  Project Boundary
  -  Development Footprint
  -  Biodiversity Study Area
  -  Road
  -  Watercourse



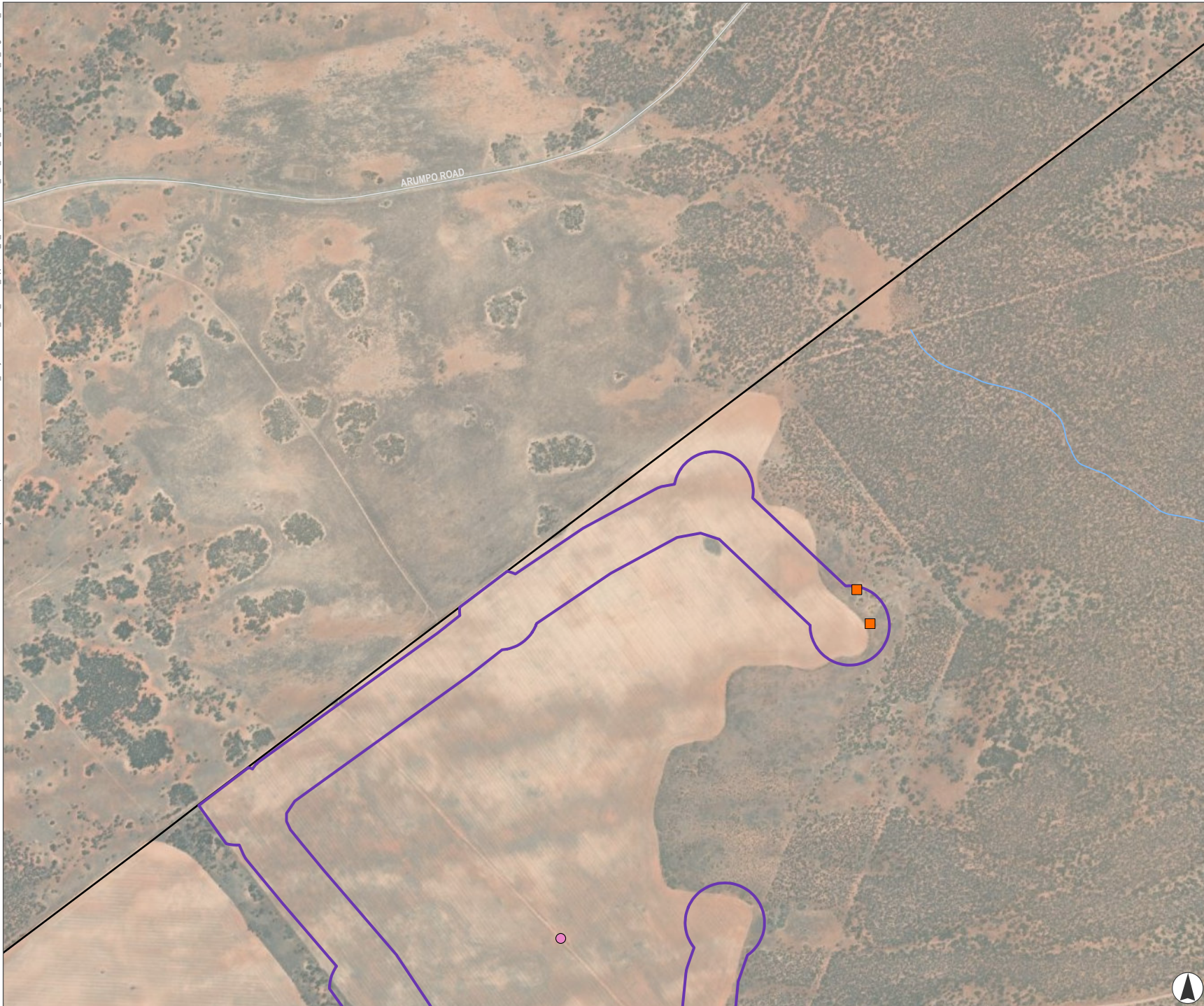
Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

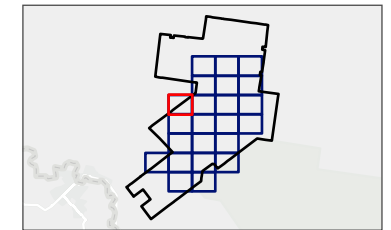


C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 88V02\_P\Projects\31894\_R10\_BDAR\_Appendix\_A\_V1.aprx - 31894 - R10\_APP\_A\_F0401\_Assessment\_of\_Vegetation\_DD



**FIGURE 4.1.7**  
**Vegetation Assessment Methods**

- Legend**
- Rapid Vegetation Assessments
  - Vegetation Notes
  - ▭ Project Boundary
  - ▭ Biodiversity Study Area
  - Road
  - Watercourse

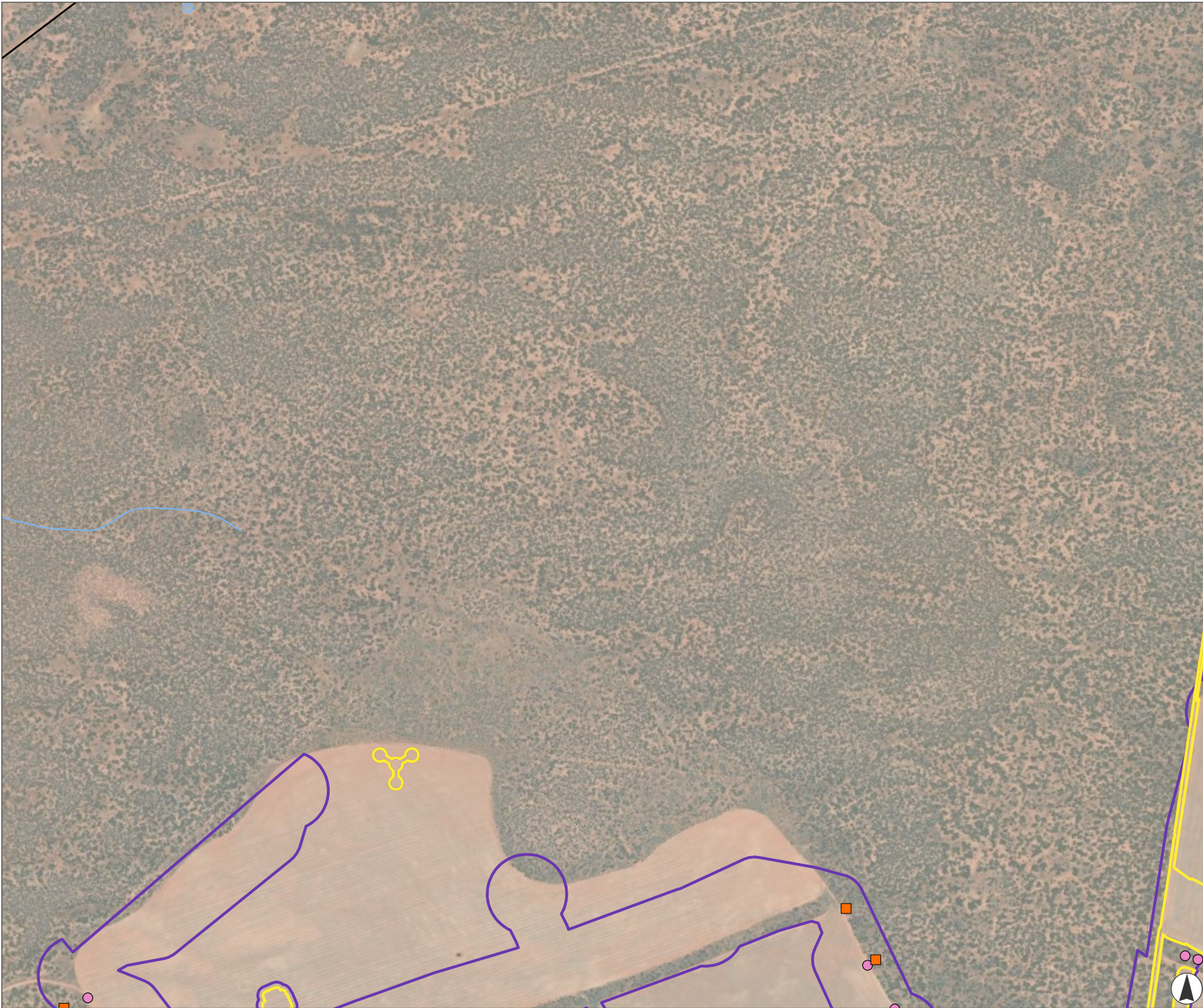


Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



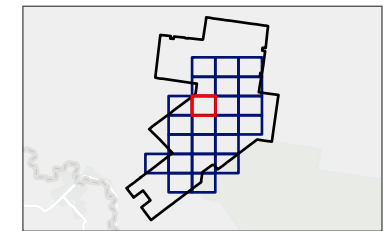
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt





**FIGURE 4.1.8**  
**Vegetation Assessment Methods**

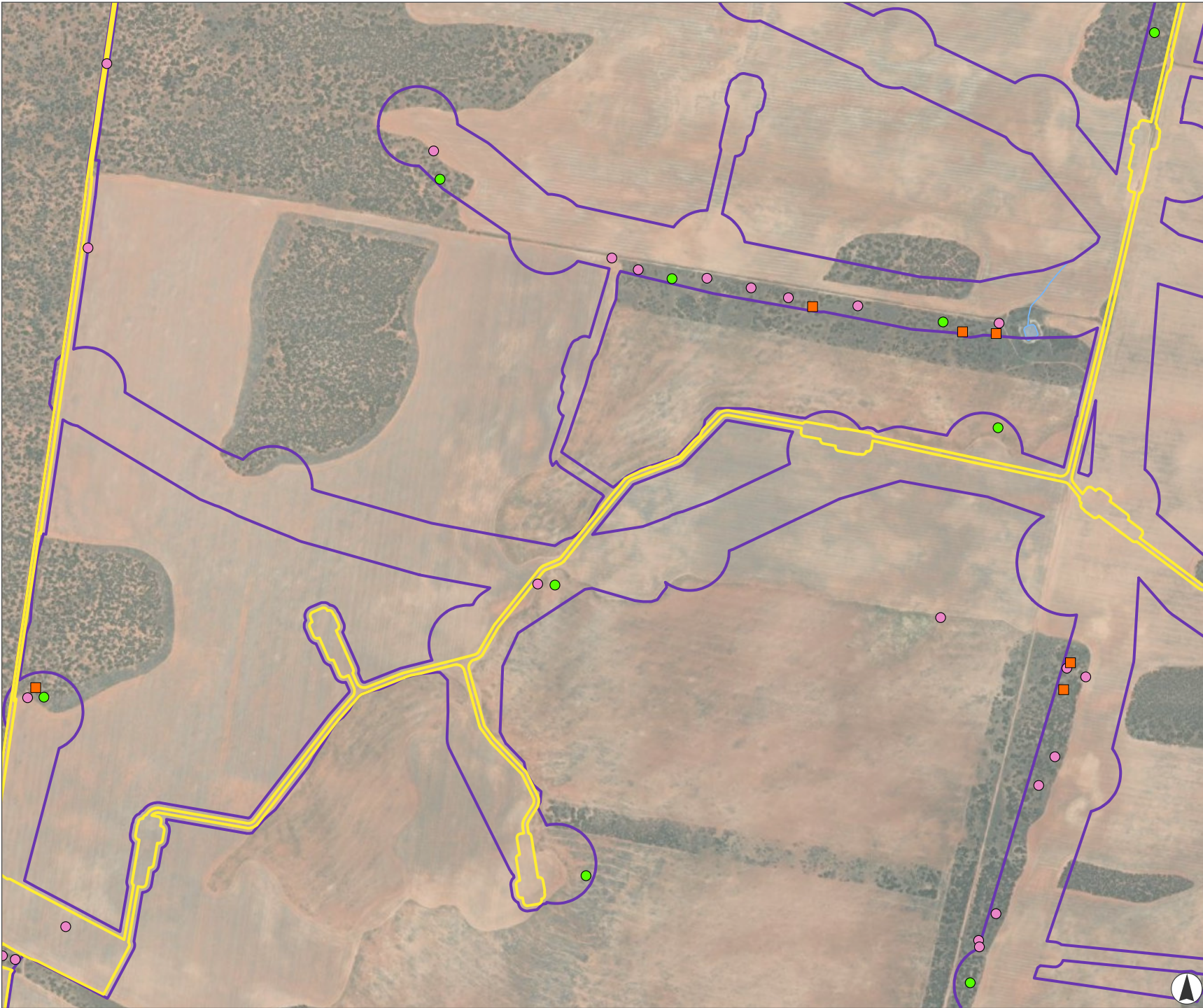
- Legend**
- Rapid Vegetation Assessments
  - Vegetation Notes
  - ▭ Project Boundary
  - ▭ Development Footprint
  - ▭ Biodiversity Study Area
  - Watercourse
  - Waterbody



Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54

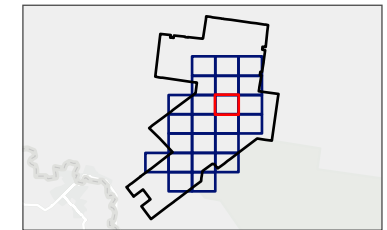


This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt



**FIGURE 4.1.9**  
**Vegetation Assessment Methods**

- Legend**
- BAM Plot Location
  - Rapid Vegetation Assessments
  - Vegetation Notes
  - ▭ Project Boundary
  - ▭ Development Footprint
  - ▭ Biodiversity Study Area
  - Watercourse
  - ▭ Waterbody

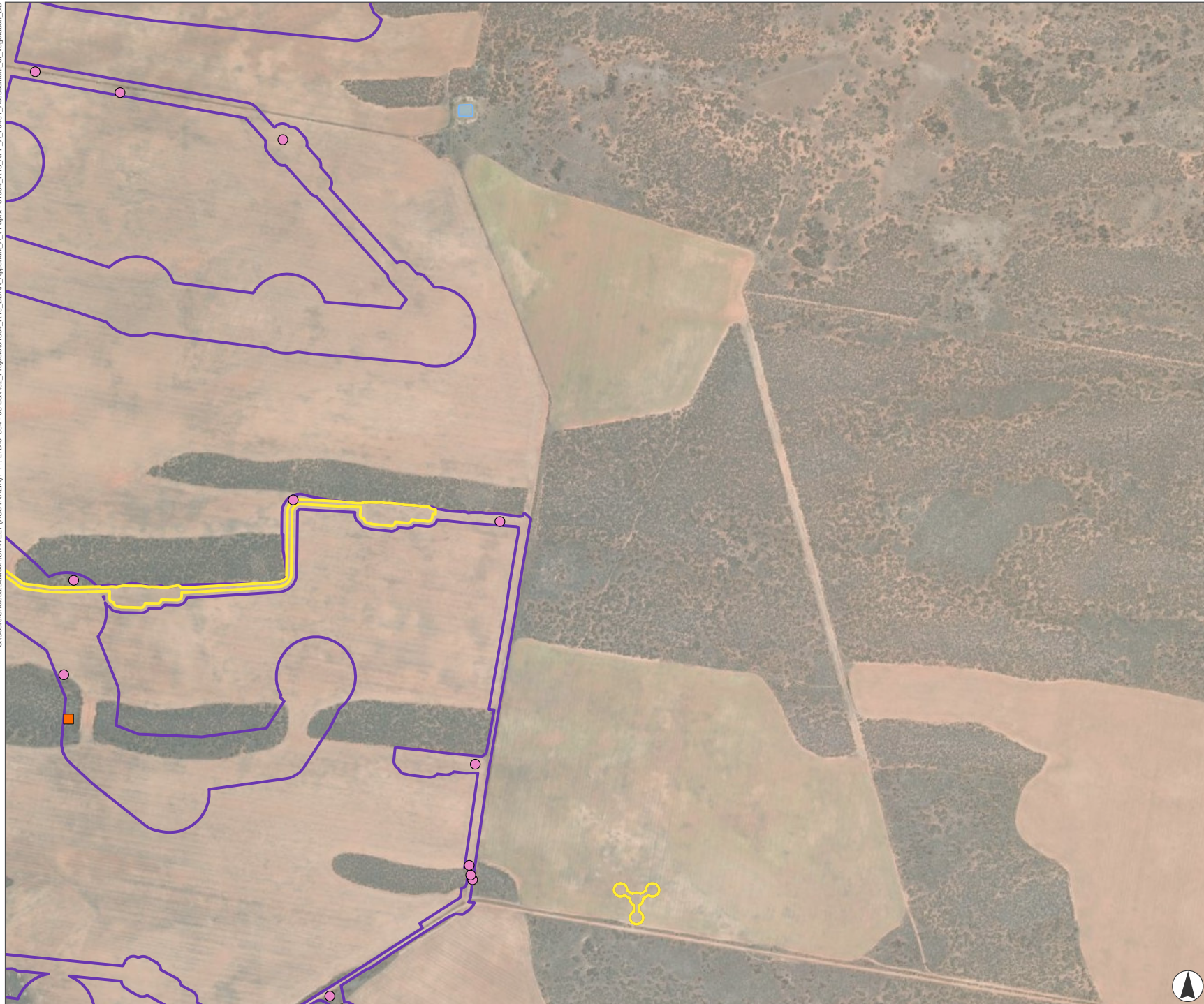


Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



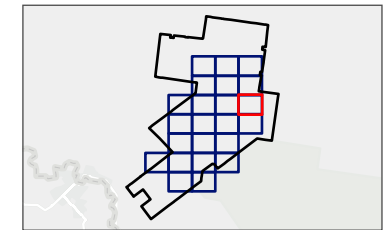
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 88V02\_P\Projects\31894\_R10\_BDAR\_A\appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0401\_Assessment\_of\_Vegetation\_DD



**FIGURE 4.1.10**  
**Vegetation Assessment**  
**Methods**

- Legend**
- Rapid Vegetation Assessments
  - Vegetation Notes
  - Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Waterbody



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt



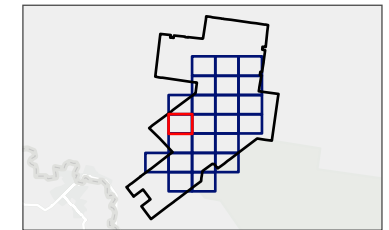
C:\Users\Chelsea.Dawson\UMWELT (AUSTRALIA) PTY. LTD\31894 - 03 88V02\_P\Projects\31894\_R10\_BDAR\_A\Appendix\_A\_V1.aprx - 31894\_R10\_APP\_A\_F0401\_Assessment\_of\_Vegetation\_DD



**FIGURE 4.1.11**  
**Vegetation Assessment**  
**Methods**

**Legend**

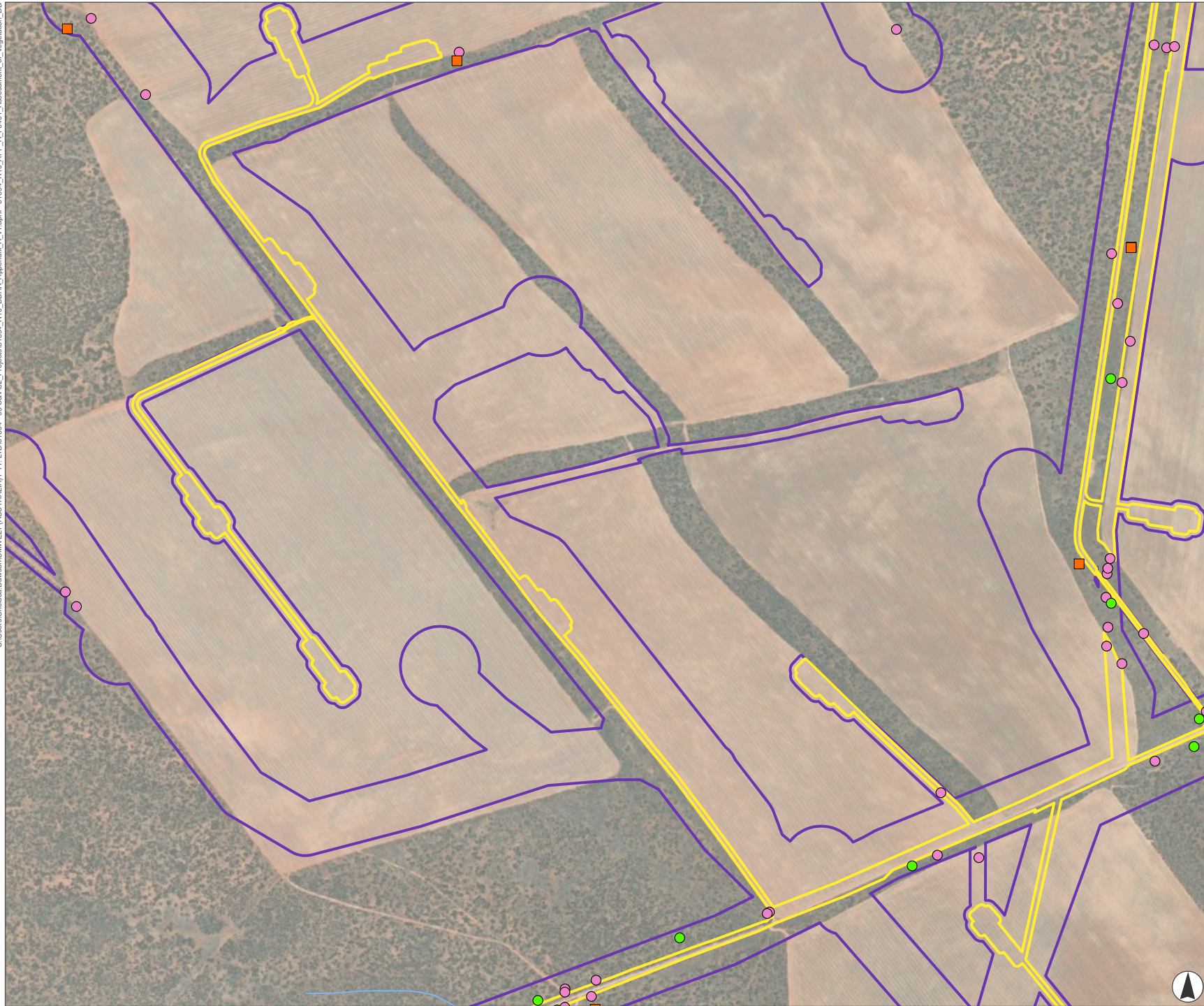
- BAM Plot Location
- Vegetation Notes
- Project Boundary
- Biodiversity Study Area
- Watercourse
- Waterbody



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54

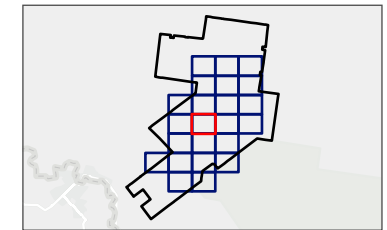


This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt



**FIGURE 4.1.12**  
**Vegetation Assessment Methods**

- Legend**
- BAM Plot Location
  - Rapid Vegetation Assessments
  - Vegetation Notes
  - ▭ Project Boundary
  - ▭ Development Footprint
  - ▭ Biodiversity Study Area
  - Watercourse

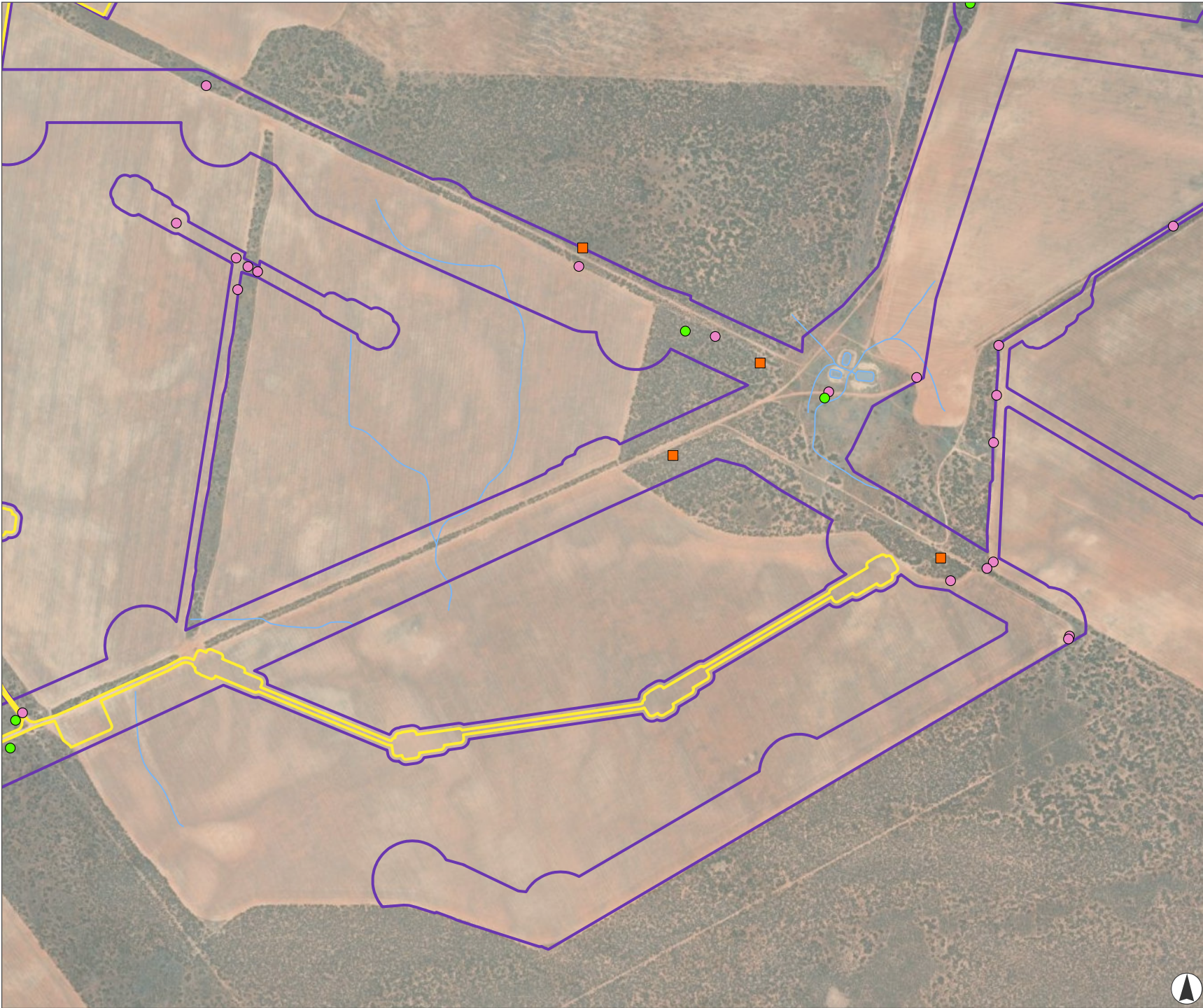


Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



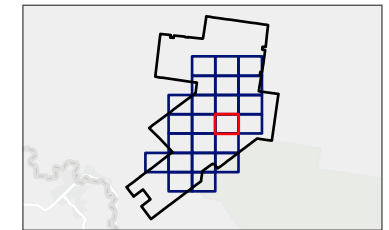
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 88V02\_P\Projects\31894\_R10\_BDAR\_Appendix\_A\_V1.aprx - 31894\_R10\_APP\_A\_F0401\_Assessment\_of\_Vegetation\_DD



**FIGURE 4.1.13**  
**Vegetation Assessment Methods**

- Legend**
- BAM Plot Location
  - Rapid Vegetation Assessments
  - Vegetation Notes
  - Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
  - Waterbody



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



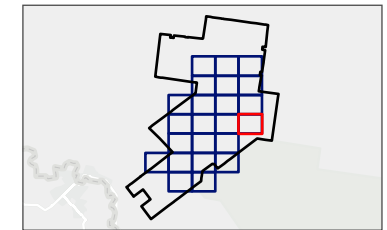
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt





**FIGURE 4.1.14**  
**Vegetation Assessment Methods**

- Legend**
- Vegetation Notes
  - ▭ Project Boundary
  - ▭ Biodiversity Study Area

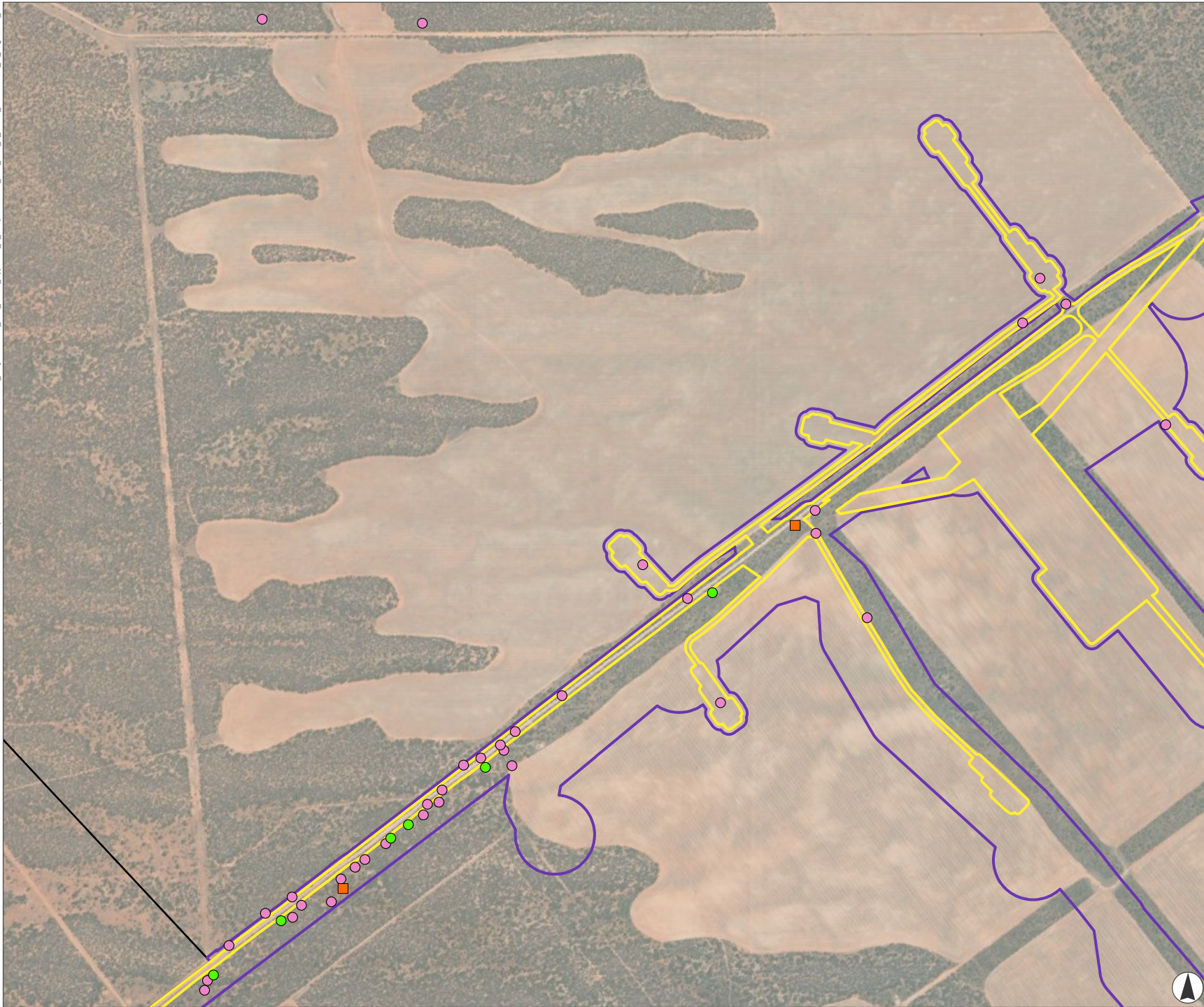


Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



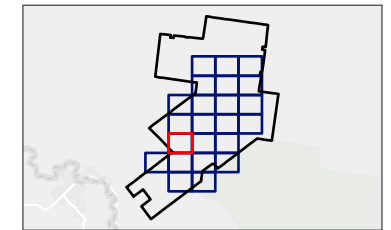
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt





**FIGURE 4.1.15**  
**Vegetation Assessment Methods**

- Legend**
- BAM Plot Location
  - Rapid Vegetation Assessments
  - Vegetation Notes
  - ▭ Project Boundary
  - ▭ Development Footprint
  - ▭ Biodiversity Study Area



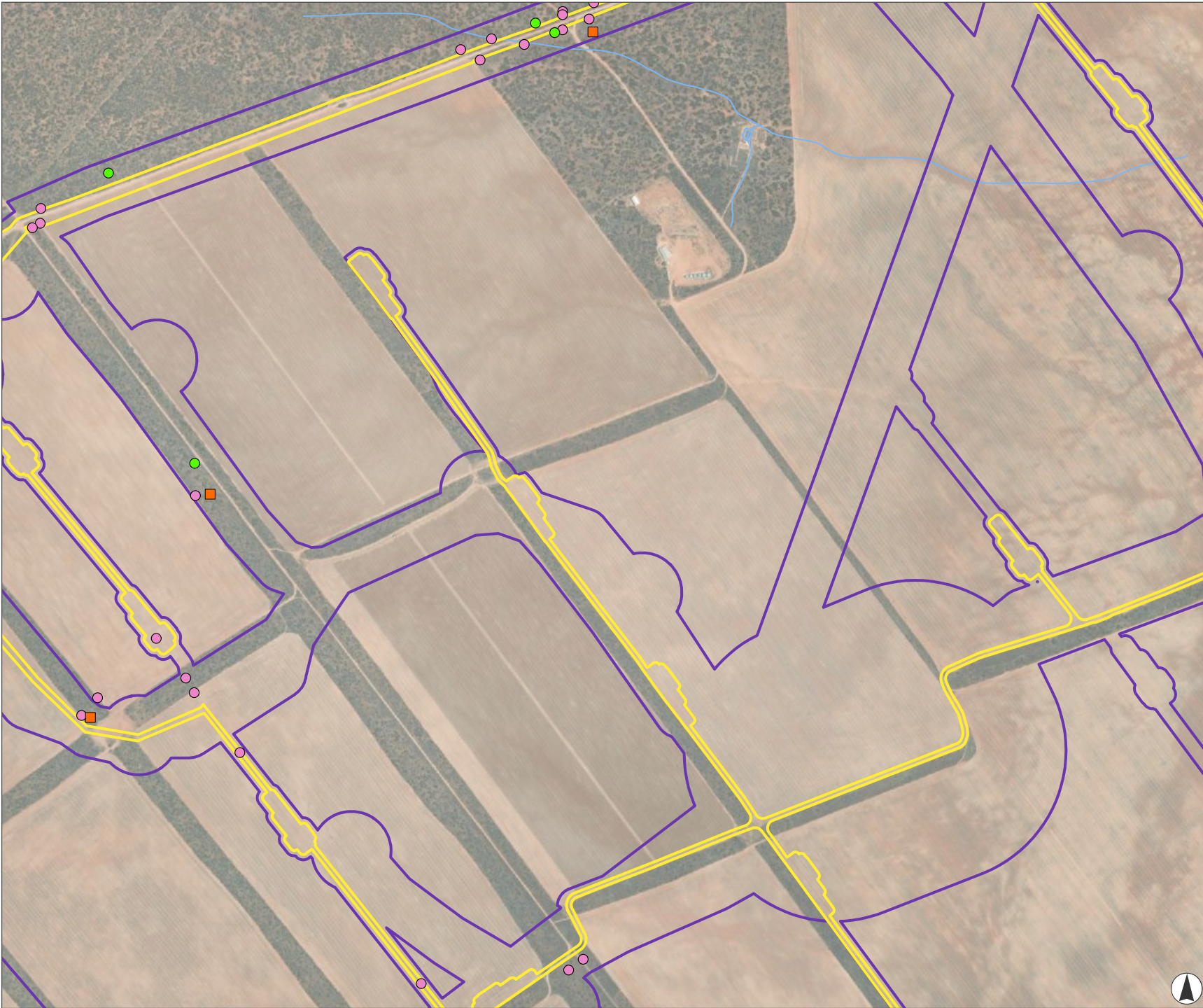
Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt



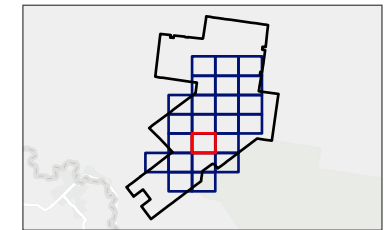
C:\Users\Chelsea.Dawson\UMWELT (AUSTRALIA) PTY. LTD\31894 - 03 88V02\_P\Projects\31894\_R10\_BDAR\_Appendix\_A\_V1.aprx - 31894 - R10\_APP\_A\_F0401\_Assessment\_of\_Vegetation\_DD



**FIGURE 4.1.16**  
**Vegetation Assessment Methods**

**Legend**

- BAM Plot Location
- Rapid Vegetation Assessments
- Vegetation Notes
- Project Boundary
- Development Footprint
- Biodiversity Study Area
- Watercourse
- Waterbody



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt








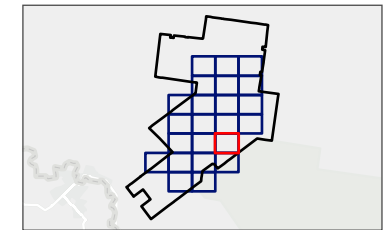
C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 88V02\_P\Projects\31894\_R10\_BDAR\_Appendix\_A\_V1.aprx - 31894\_R10\_APP\_A\_F0401\_Assessment\_of\_Vegetation\_DD



**FIGURE 4.1.17**  
**Vegetation Assessment**  
**Methods**

**Legend**

-  Vegetation Notes
-  Project Boundary
-  Development Footprint
-  Biodiversity Study Area
-  Watercourse
-  Waterbody
-  NPWS Estates

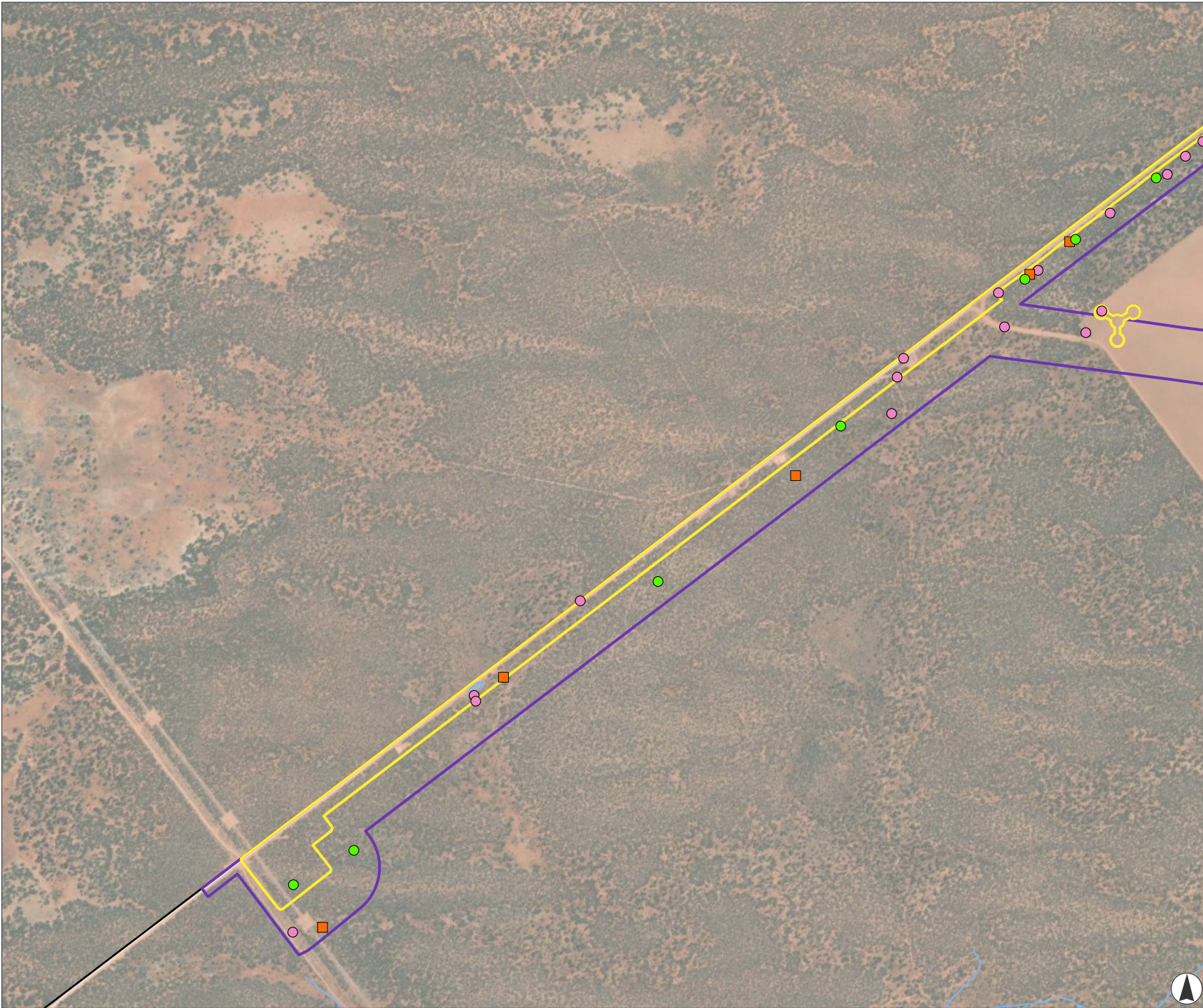


Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



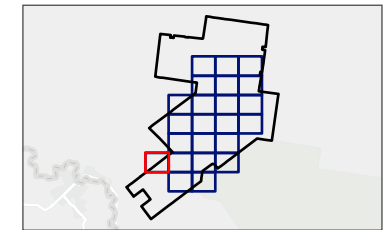
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt





**FIGURE 4.1.18**  
**Vegetation Assessment Methods**

- Legend**
- BAM Plot Location
  - Rapid Vegetation Assessments
  - Vegetation Notes
  - ▭ Project Boundary
  - ▭ Development Footprint
  - ▭ Biodiversity Study Area
  - Road
  - Watercourse
  - ▭ Waterbody



Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



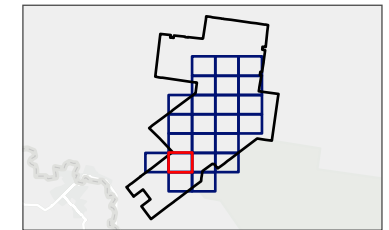
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelise.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 88V02\_Protects\31894\_R10\_BDAR\_A\appendix\_A\_v1.aprx - 31894 - R10\_APP\_A\_F0401\_Assessment\_of\_Vegetation\_DD



**FIGURE 4.1.19**  
**Vegetation Assessment Methods**

- Legend**
- BAM Plot Location
  - Rapid Vegetation Assessments
  - Vegetation Notes
  - Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse

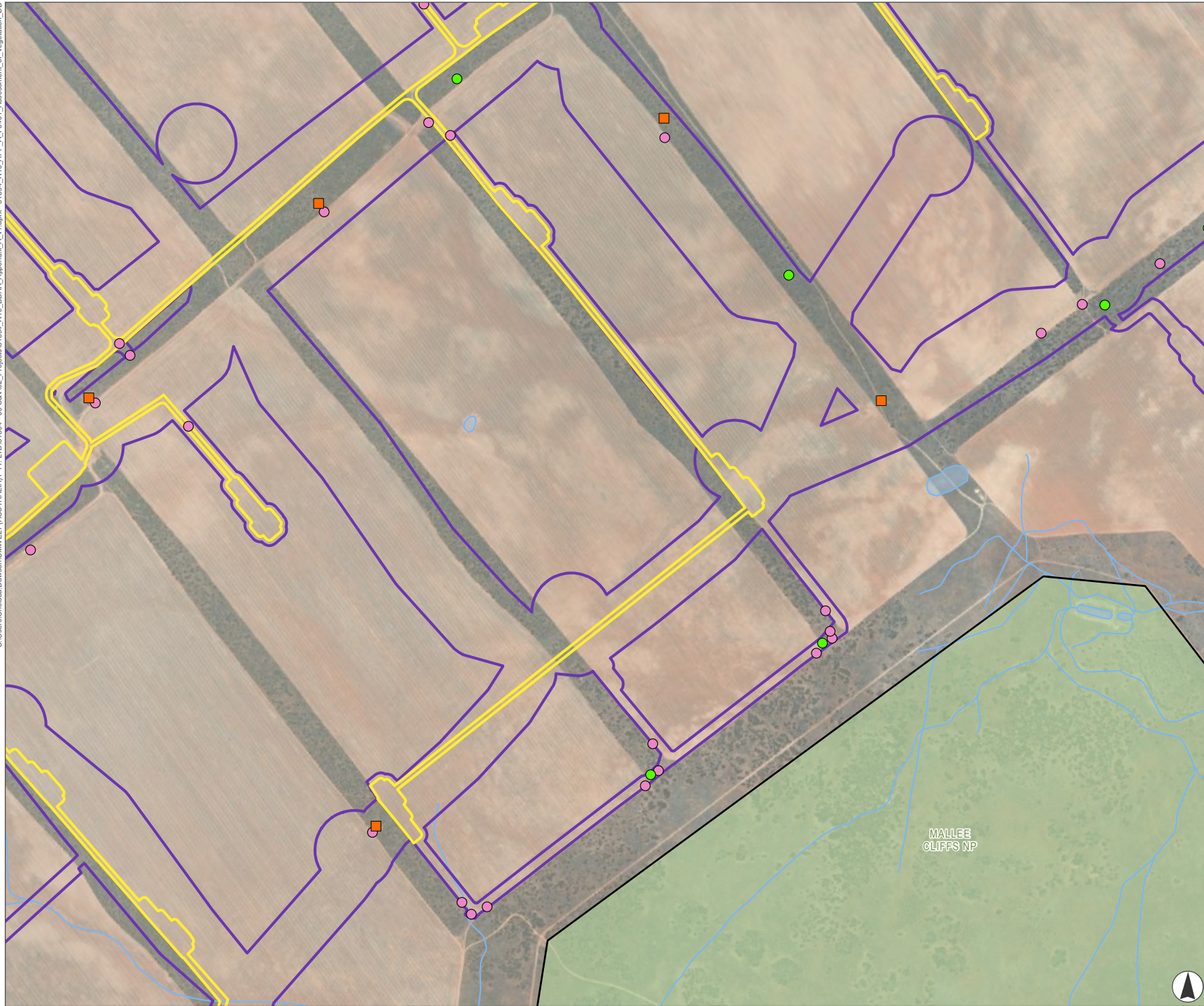


Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



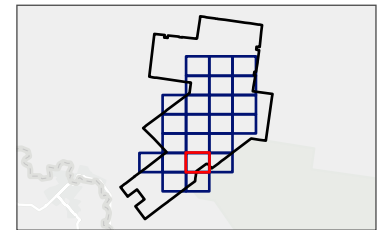
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 88V02\_P\Projects\31894\_R10\_BDAR\_A\Appendix\_A\_V1.aprx - 31894\_R10\_APP\_A\_F0401\_Assessment\_of\_Vegetation\_DD



**FIGURE 4.1.20**  
**Vegetation Assessment Methods**

- Legend**
- BAM Plot Location
  - Rapid Vegetation Assessments
  - Vegetation Notes
  - Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
  - Waterbody
  - NPWS Estates



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt



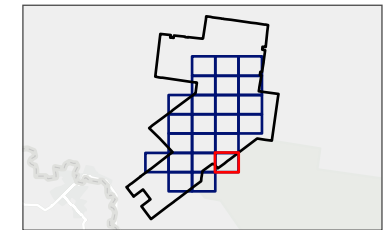
C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 88V02\_Progects\31894\_R10\_BDAR\_Appendix\_A\_V1.aprx - 31894\_R10\_APP\_A\_F0401\_Assessment\_of\_Vegetation\_DD



**FIGURE 4.1.21**  
**Vegetation Assessment**  
**Methods**

**Legend**

- BAM Plot Location
- Vegetation Notes
- Project Boundary
- Development Footprint
- Biodiversity Study Area
- Watercourse
- NPWS Estates

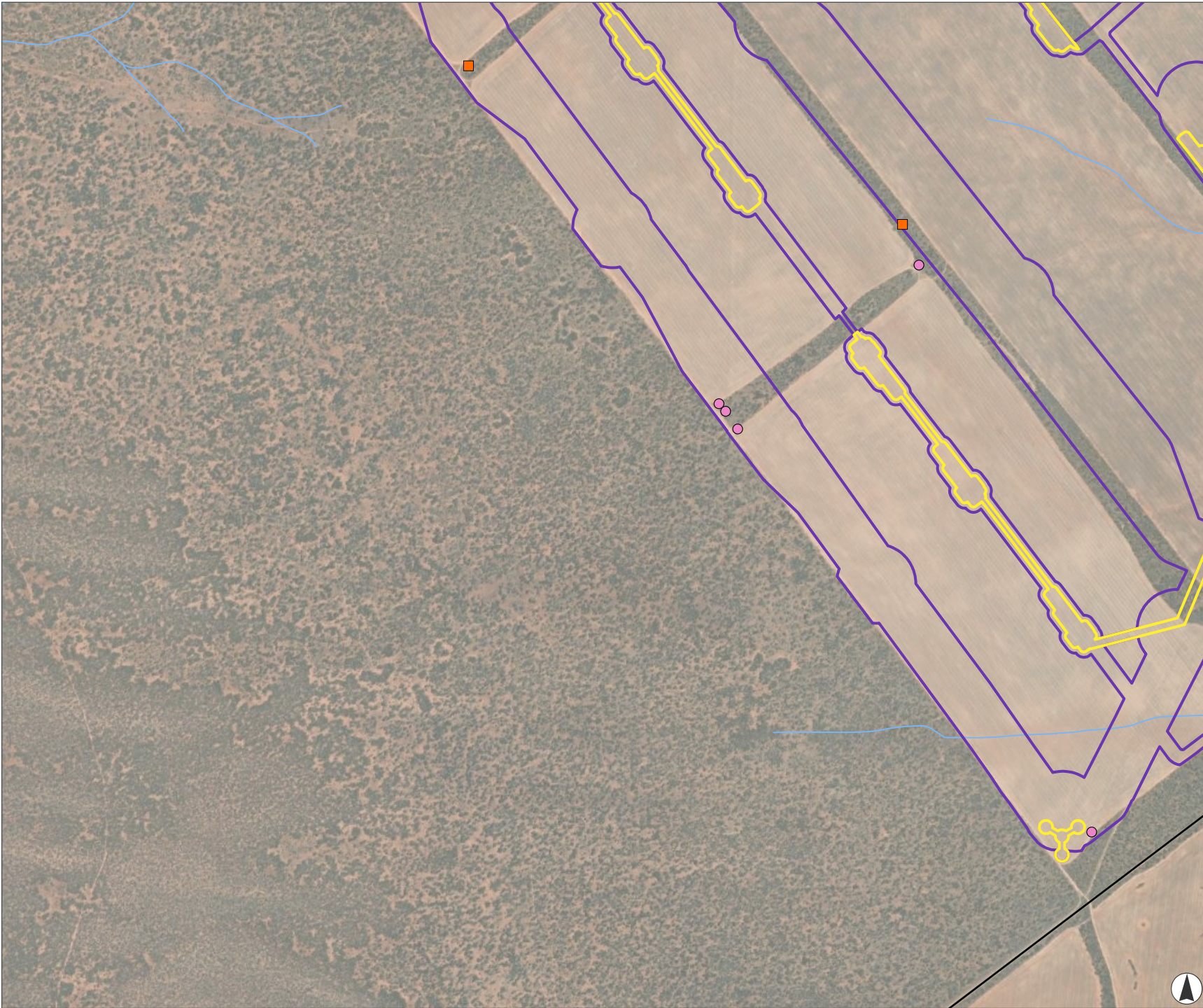


Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



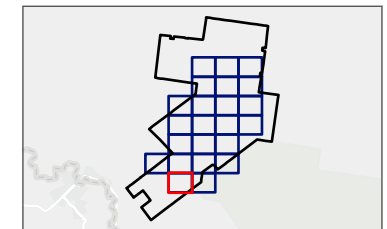
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt





**FIGURE 4.1.22**  
**Vegetation Assessment Methods**

- Legend**
- Rapid Vegetation Assessments
  - Vegetation Notes
  - ▭ Project Boundary
  - ▭ Development Footprint
  - ▭ Biodiversity Study Area
  - Watercourse

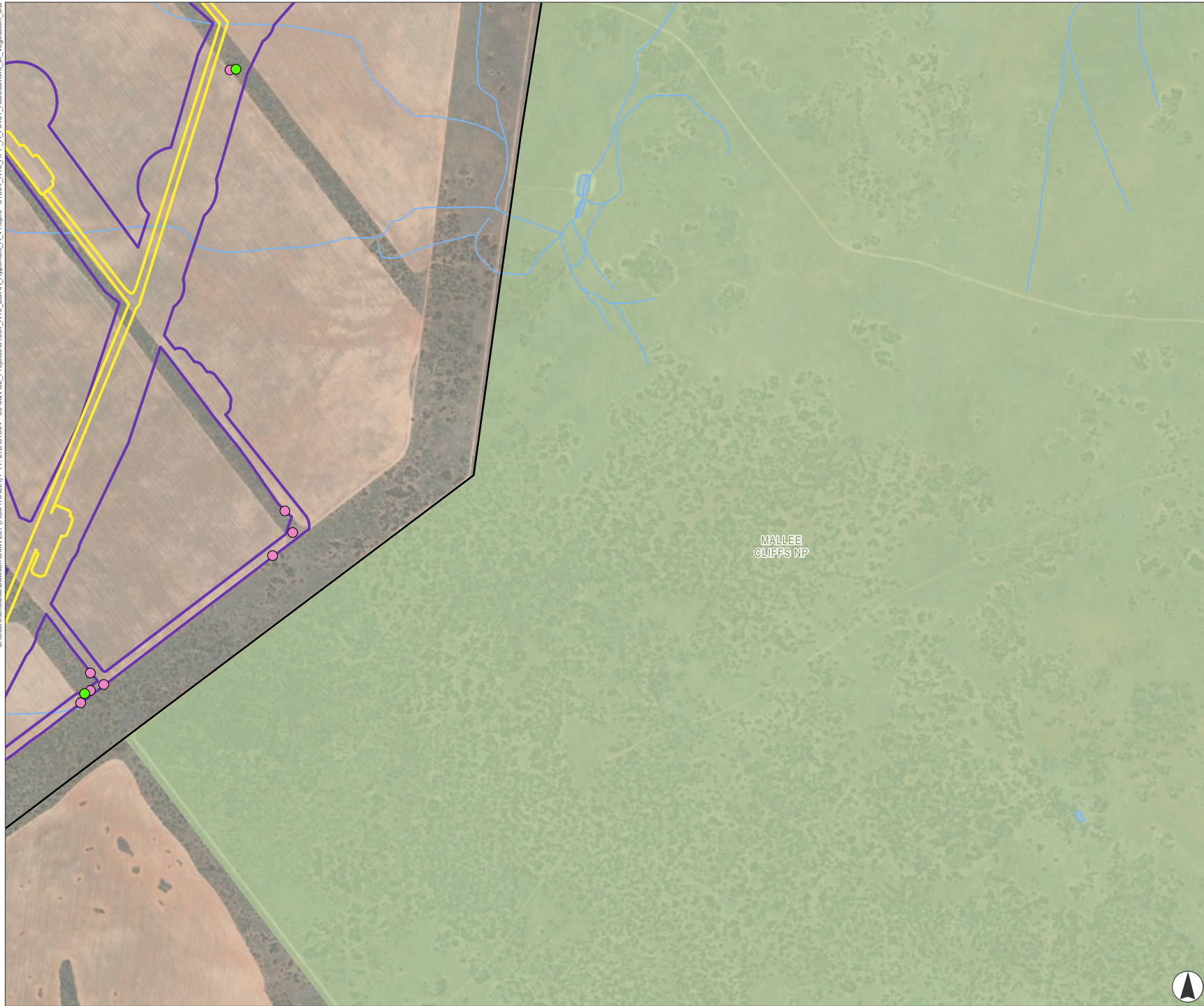


Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



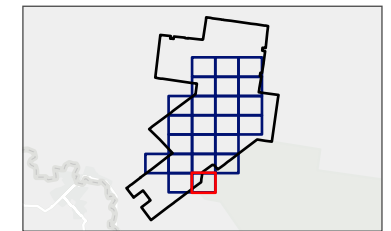
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 88V02\_Protects\31894\_R10\_BDAR\_A\appendix\_A\_V1.aprx - 31894 - Assessment\_of\_Vegetation\_DD



**FIGURE 4.1.23**  
**Vegetation Assessment Methods**

- Legend**
- BAM Plot Location
  - Vegetation Notes
  - Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
  - Waterbody
  - NPWS Estates



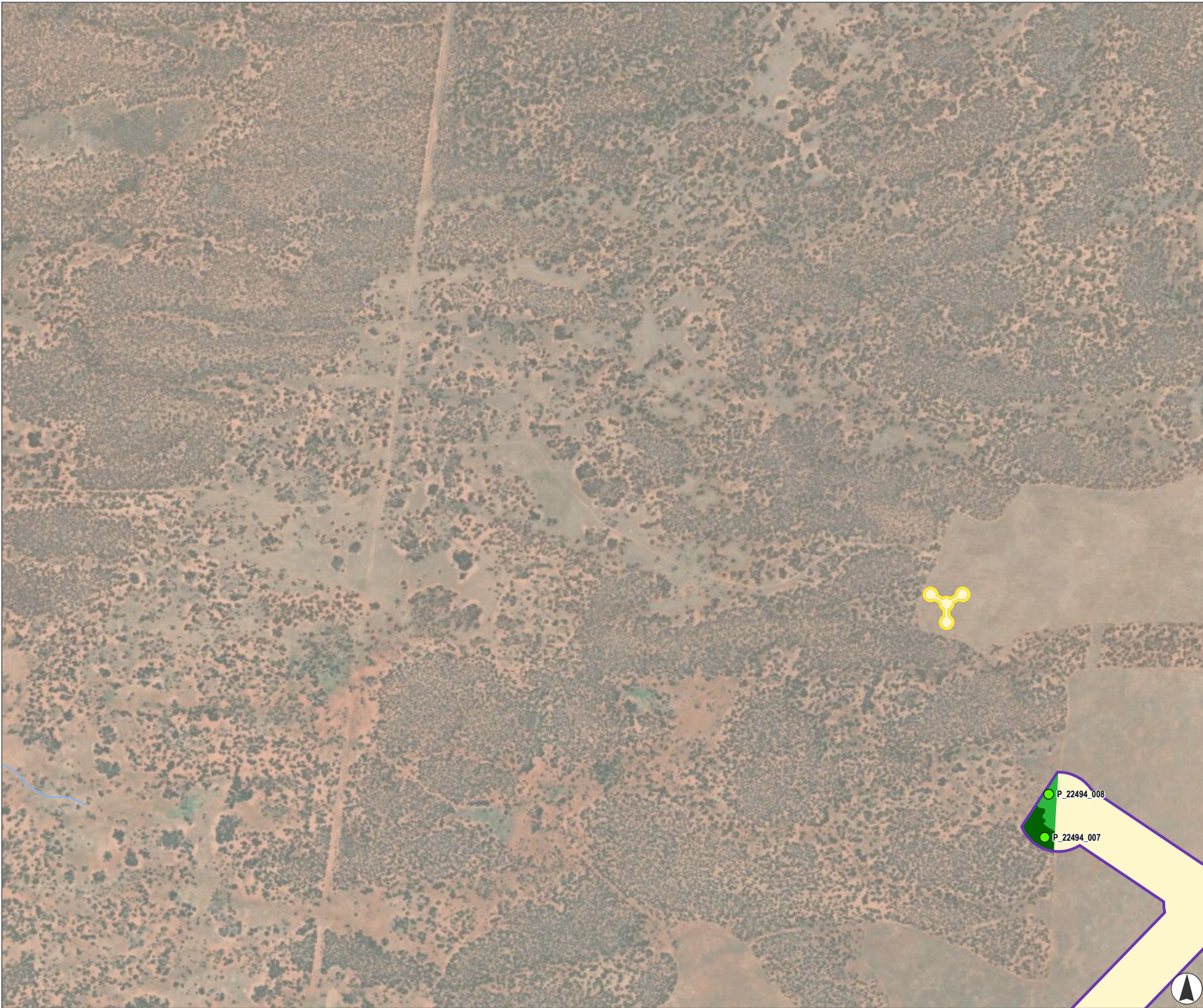
Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt







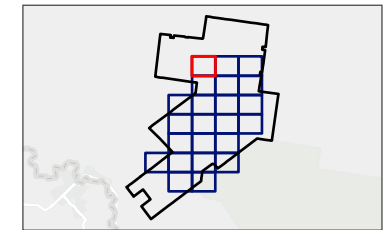
**FIGURE 4.2.1**  
**Plant Community Types**  
 present within the  
**Biodiversity Study Area**

**Legend**

- BAM Plot Location
- Project Boundary
- Development Footprint
- Biodiversity Study Area
- Watercourse

**Plant Community Type**

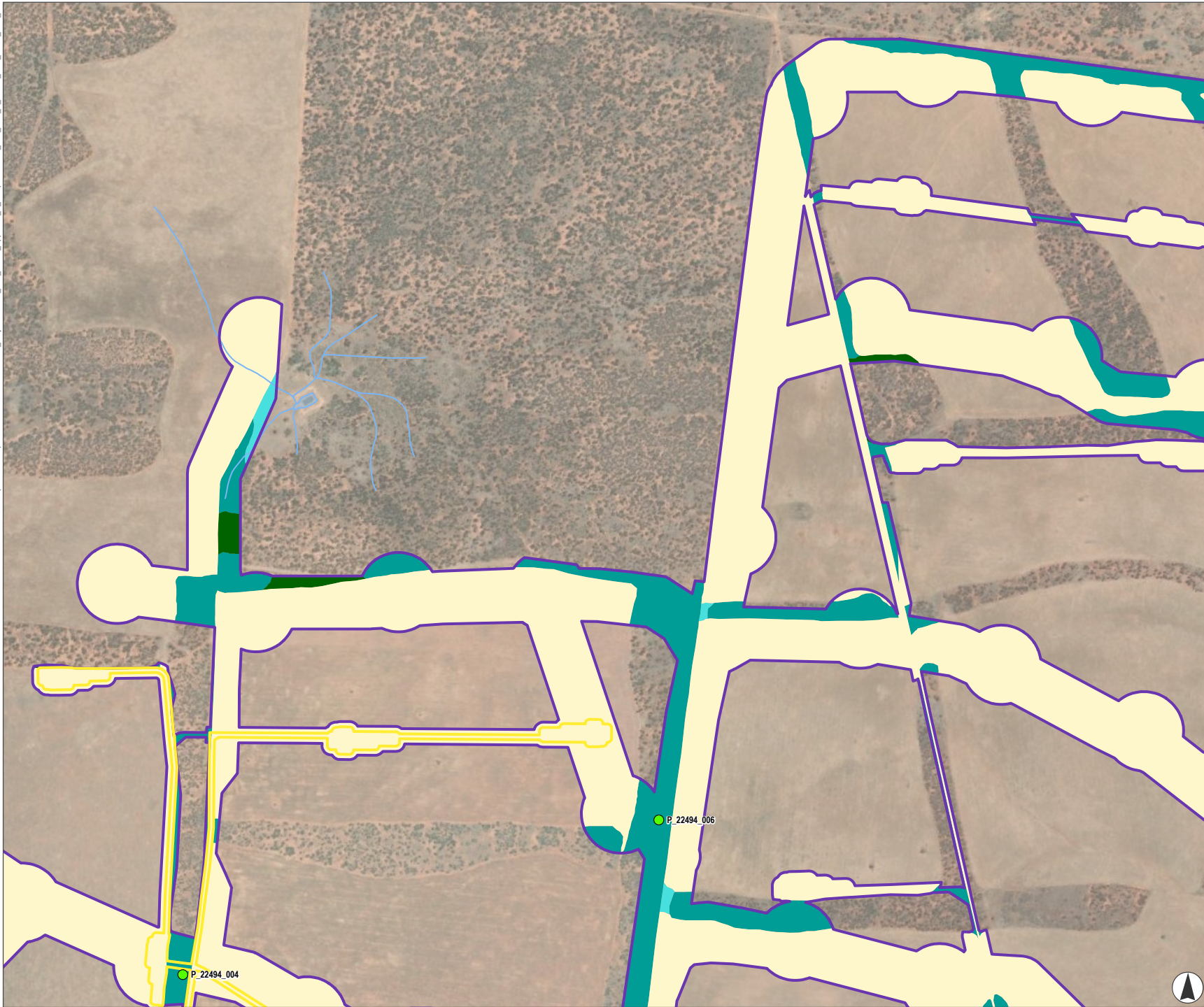
- PCT 170 (Moderate-Good)
- PCT 170 (Derived-Native)
- Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54

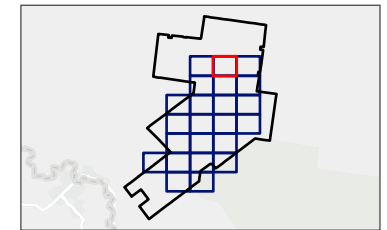


This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt



**FIGURE 4.2.2**  
**Plant Community Types**  
**present within the**  
**Biodiversity Study Area**

- Legend**
- BAM Plot Location
  - Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
  - Waterbody
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - PCT 58 (Derived-Weedy)
  - PCT 170 (Moderate-Good)
  - Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



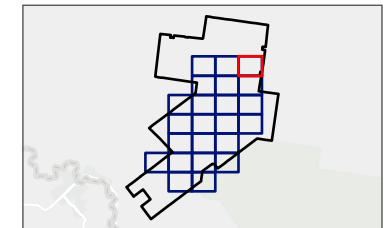
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 SX\02\_P\Projects\31894\_R10\_BDAR\_Appendix\_A\_V1.aprx - 31894\_R10\_APP\_A\_F0402\_PCT\_within\_BSA\_DD



**FIGURE 4.2.3**  
**Plant Community Types**  
**present within the**  
**Biodiversity Study Area**

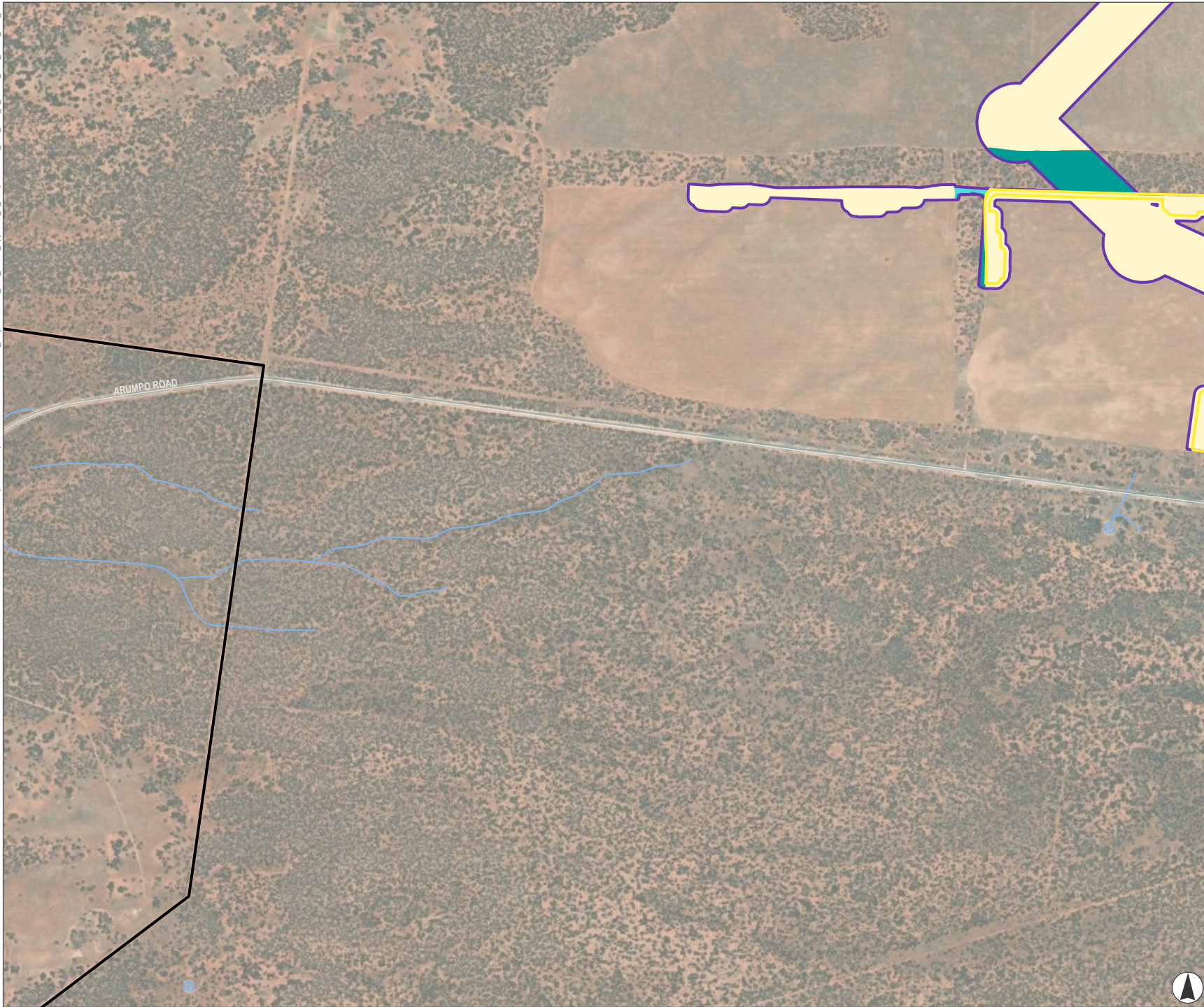
- Legend**
- BAM Plot Location
  - Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Road
  - Watercourse
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54

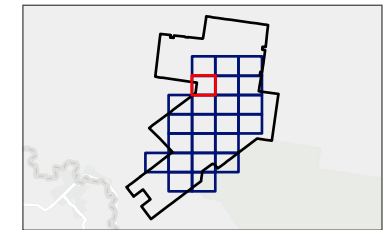


This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt



**FIGURE 4.2.4**  
**Plant Community Types**  
**present within the**  
**Biodiversity Study Area**

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Road
  - Watercourse
  - Waterbody
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - PCT 58 (Derived-Weedy)
  - Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

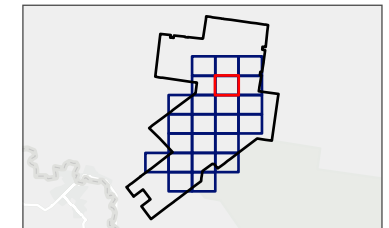




**FIGURE 4.2.5**  
**Plant Community Types**  
**present within the**  
**Biodiversity Study Area**

**Legend**

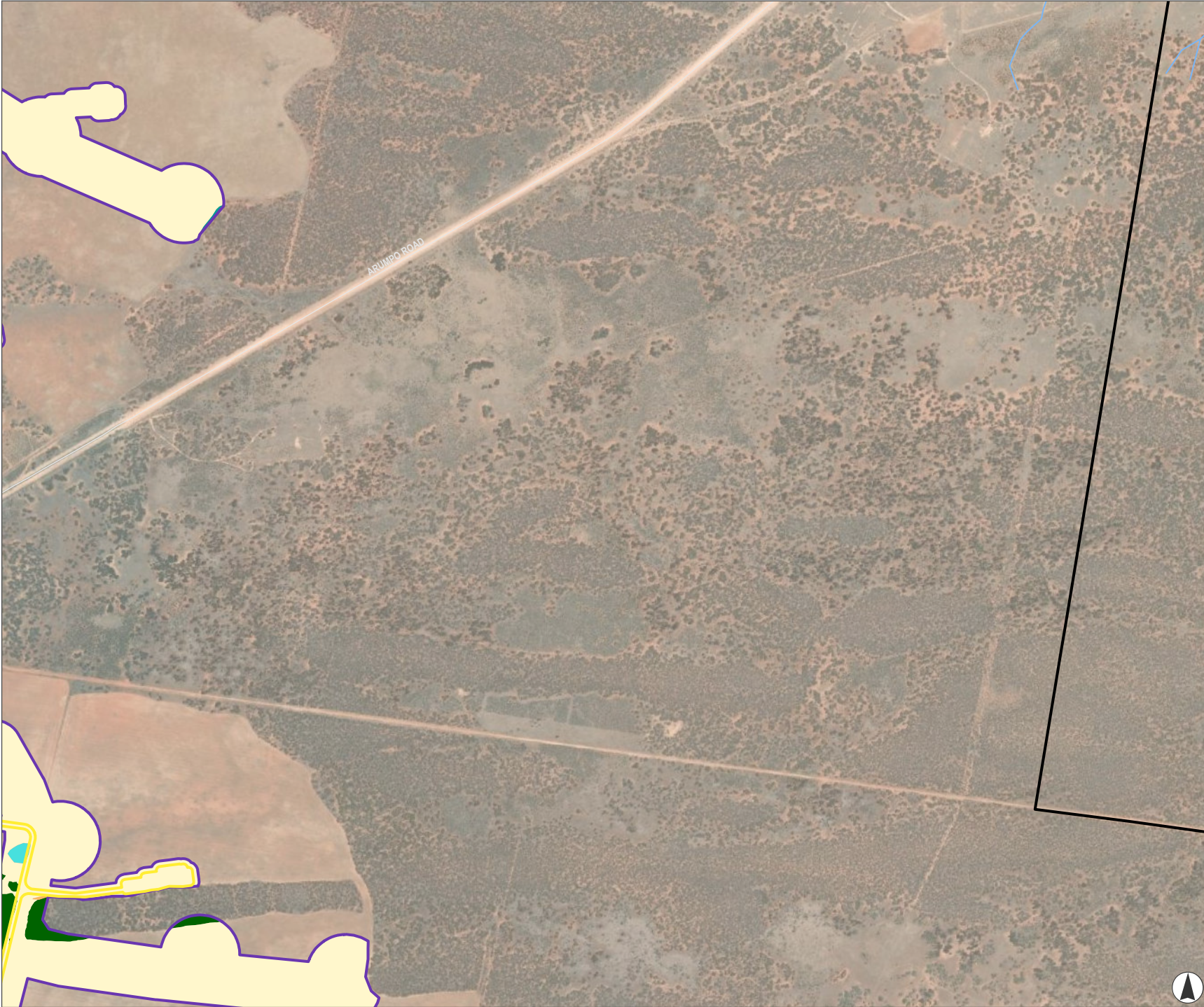
- BAM Plot Location
  - Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Road
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - PCT 58 (Derived-Weedy)
  - PCT 170 (Moderate-Good)
  - Dam
  - Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt



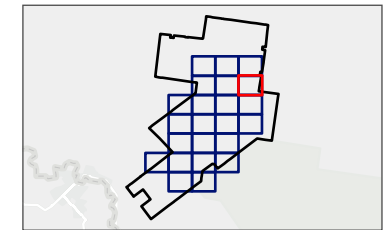
**FIGURE 4.2.6**  
**Plant Community Types**  
**present within the**  
**Biodiversity Study Area**

**Legend**

- Project Boundary
- Development Footprint
- Biodiversity Study Area
- Road
- Watercourse

**Plant Community Type**

- PCT 58 (Moderate-Good)
- PCT 58 (Derived-Weedy)
- PCT 170 (Moderate-Good)
- PCT 171 (Moderate-Good)
- Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road

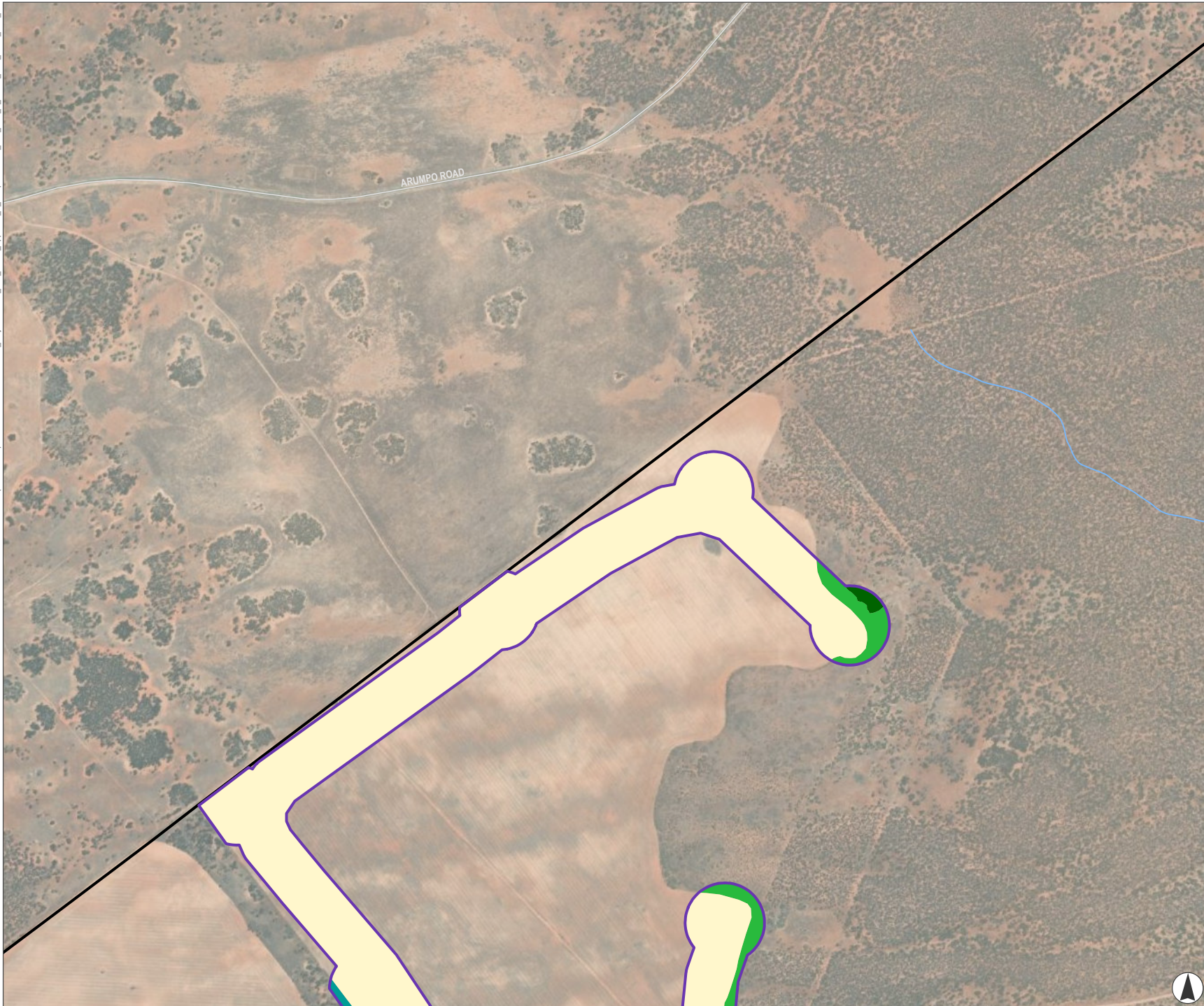


Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



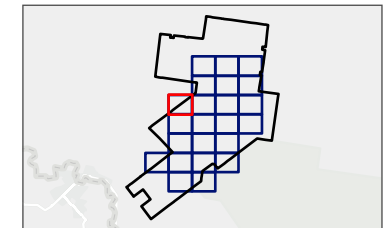
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 58\02\_Productions\31894\_R10\_BDAR\_Appendix\_A\_V1.aprx - 31894\_R10\_APP\_A\_F0402\_PCT\_within\_BSA\_DD



**FIGURE 4.2.7**  
**Plant Community Types**  
**present within the**  
**Biodiversity Study Area**

- Legend**
- Project Boundary
  - Biodiversity Study Area
  - Road
  - Watercourse
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - PCT 170 (Moderate-Good)
  - PCT 170 (Derived-Native)
  - Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

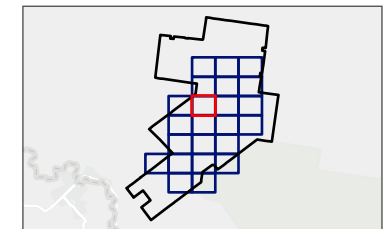


C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 SX\02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_V1.aprx - 31894\_R10\_APP\_A\_F0402\_PCT\_within\_BSA\_DD



**FIGURE 4.2.8**  
**Plant Community Types**  
**present within the**  
**Biodiversity Study Area**

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
  - Waterbody
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - PCT 58 (Derived-Weedy)
  - PCT 170 (Moderate-Good)
  - PCT 170 (Derived-Native)
  - PCT 170 (Derived-Weedy)
  - Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



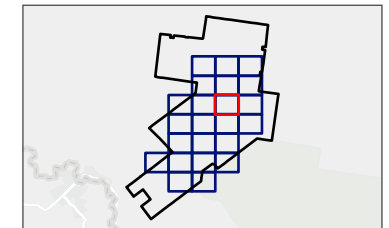
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt





**FIGURE 4.2.9**  
**Plant Community Types**  
**present within the**  
**Biodiversity Study Area**

- Legend**
- BAM Plot Location
  - Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
  - Waterbody
  - Dam
  - Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - PCT 58 (Derived-Weedy)
  - PCT 170 (Moderate-Good)
  - PCT 170 (Derived-Native)
  - PCT 170 (Derived-Weedy)

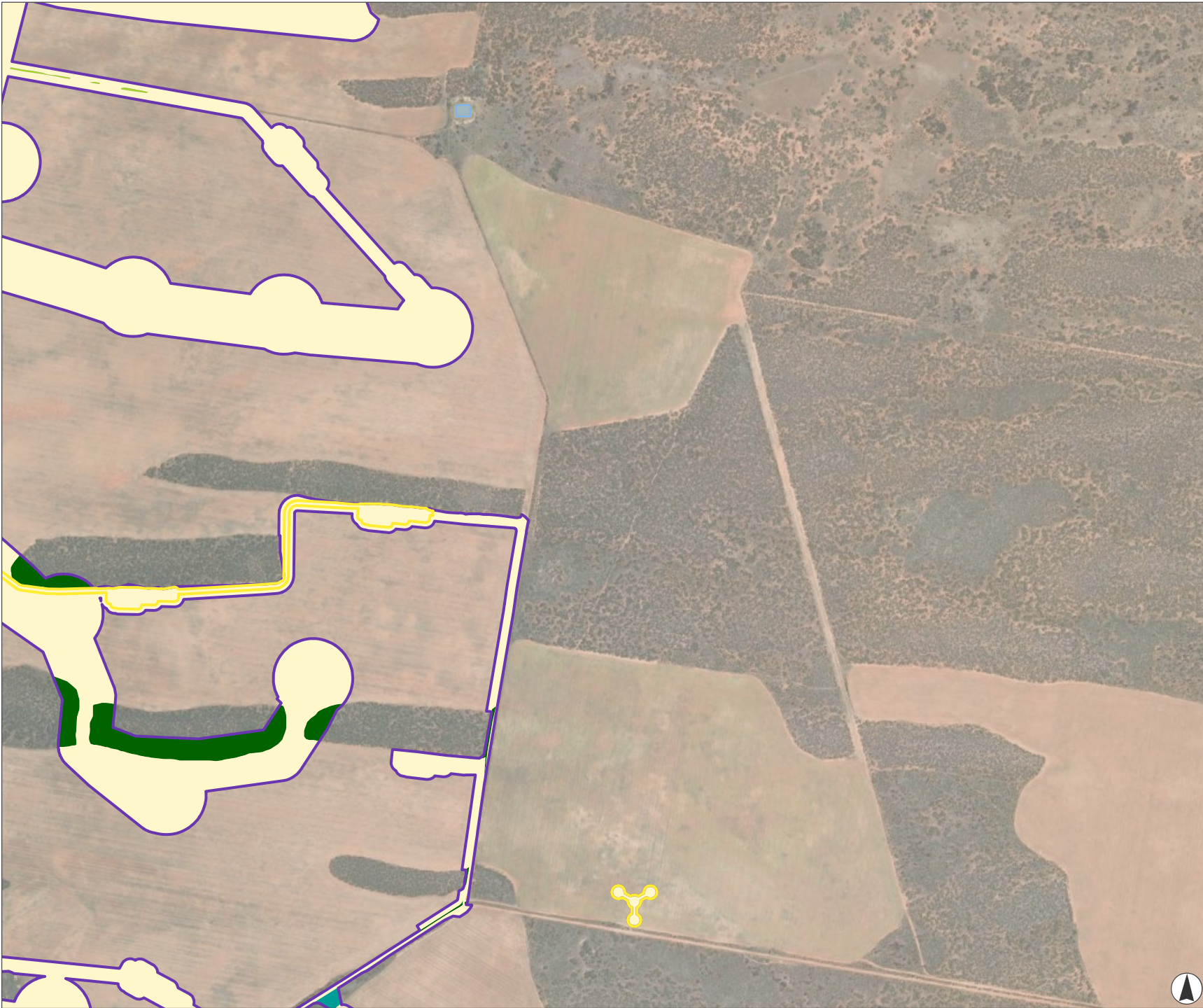


Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



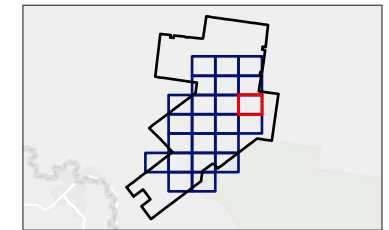
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 88V02\_Productions\31894\_R10\_BDAR\_Appendix\_A\_V1.aprx - 31894\_R10\_APP\_A\_F0402\_PCT\_within\_BSA\_DD



**FIGURE 4.2.10**  
**Plant Community Types**  
**present within the**  
**Biodiversity Study Area**

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Waterbody
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - PCT 170 (Moderate-Good)
  - PCT 170 (Derived-Weedy)
  - PCT 171 (Moderate-Good)
  - Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



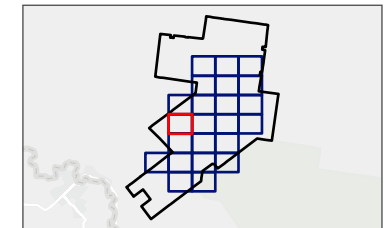
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt





**FIGURE 4.2.11**  
**Plant Community Types**  
**present within the**  
**Biodiversity Study Area**

- Legend**
- BAM Plot Location
  - Project Boundary
  - Biodiversity Study Area
  - Watercourse
  - Waterbody
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - PCT 170 (Moderate-Good)
  - PCT 170 (Derived-Native)
  - PCT 171 (Moderate-Good)
  - Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road

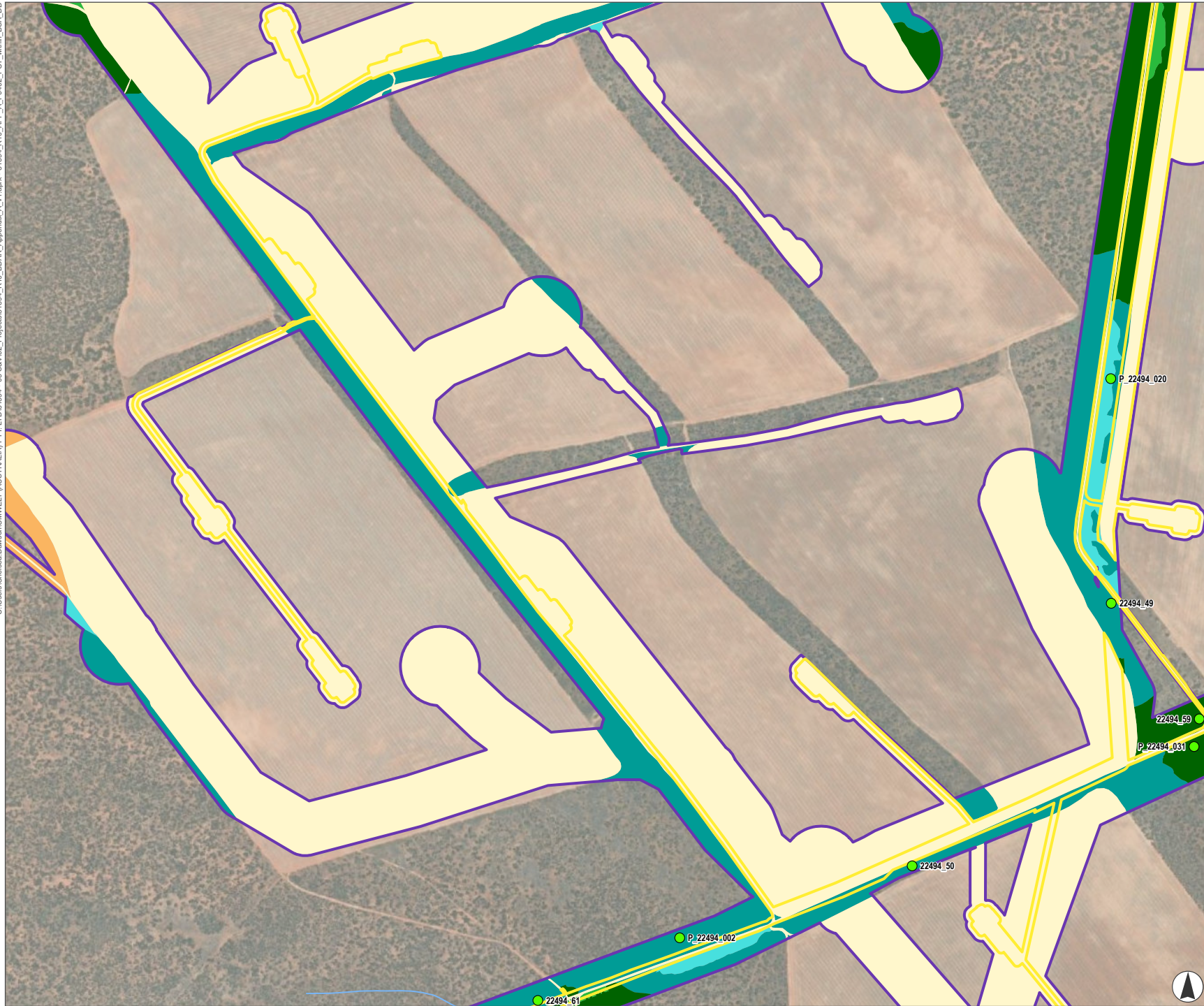


Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

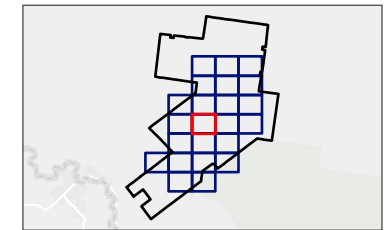




**FIGURE 4.2.12**  
**Plant Community Types**  
**present within the**  
**Biodiversity Study Area**

**Legend**

- BAM Plot Location
  - Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - PCT 58 (Derived-Weedy)
  - PCT 170 (Moderate-Good)
  - PCT 170 (Derived-Native)
  - PCT 171 (Moderate-Good)
  - Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road

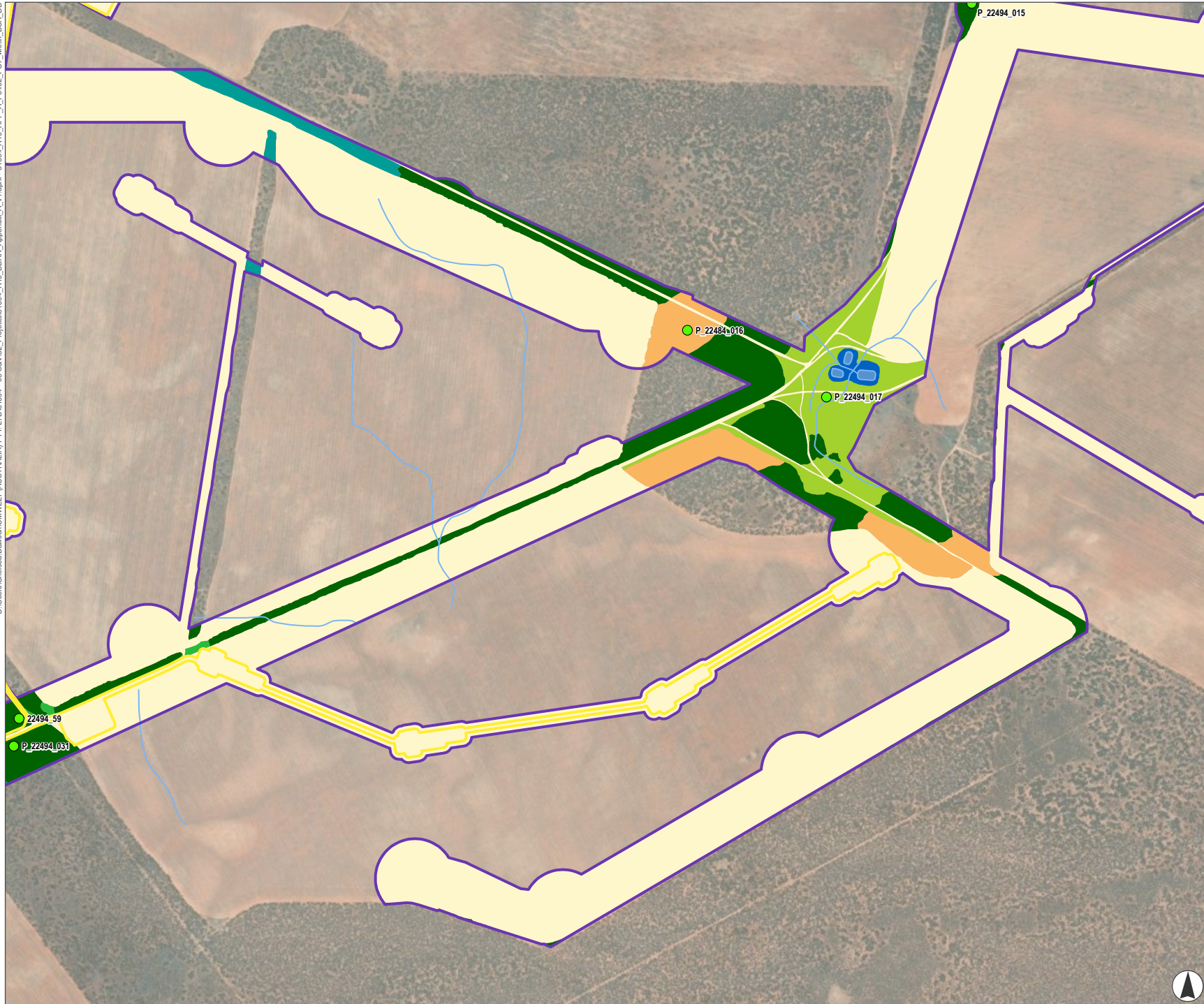


Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



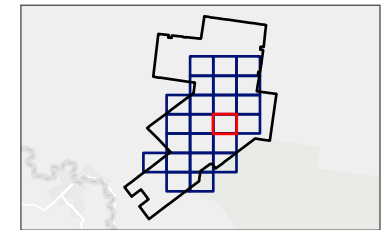
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 SX\02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_V1.aprx - 31894\_R10\_APP\_A\_F0402\_PCT\_within\_BSA\_DD



**FIGURE 4.2.13**  
**Plant Community Types**  
**present within the**  
**Biodiversity Study Area**

- Legend**
- BAM Plot Location
  - Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
  - Waterbody
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - PCT 170 (Moderate-Good)
  - PCT 170 (Derived-Native)
  - PCT 170 (Derived-Weedy)
  - PCT 171 (Moderate-Good)
  - Dam
  - Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



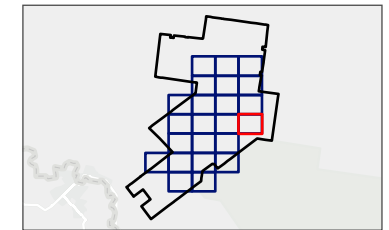
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 88\02\_P\Projects\31894\_R10\_BDAR\_Appendix\_A\_V1.aprx - 31894\_R10\_APP\_A\_F0402\_PCT\_within\_BSA\_DD



**FIGURE 4.2.14**  
**Plant Community Types**  
**present within the**  
**Biodiversity Study Area**

- Legend**
- Project Boundary
  - Biodiversity Study Area
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - PCT 170 (Moderate-Good)
  - PCT 170 (Derived-Native)
  - PCT 170 (Derived-Weedy)
  - Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

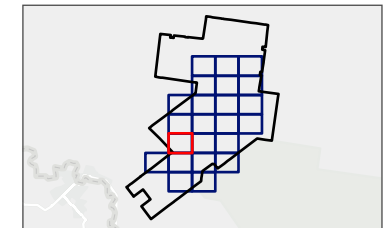




**FIGURE 4.2.15**  
**Plant Community Types**  
**present within the**  
**Biodiversity Study Area**

**Legend**

- BAM Plot Location
  - Project Boundary
  - Development Footprint
  - Biodiversity Study Area
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - PCT 58 (Derived-Weedy)
  - PCT 170 (Moderate-Good)
  - PCT 170 (Derived-Native)
  - PCT 171 (Moderate-Good)
  - Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road

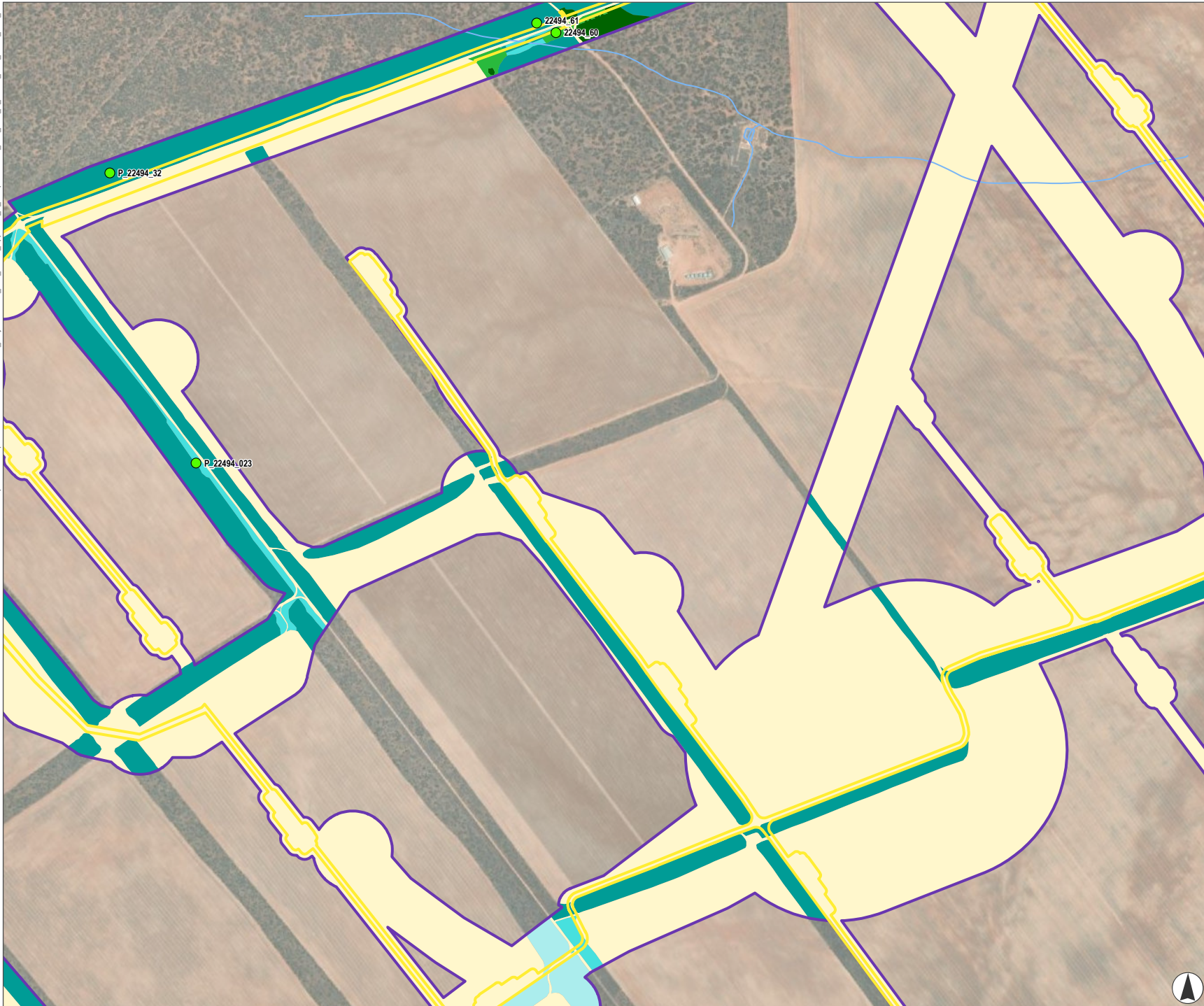


Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

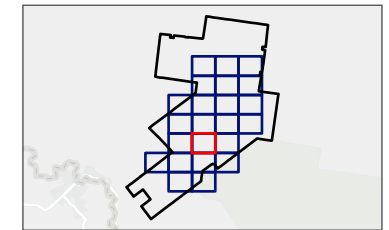
C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 SXV02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_V1.aprx - 31894\_R10\_APP\_A\_F0402\_PCT\_within\_BSA\_DD



**FIGURE 4.2.16**  
**Plant Community Types**  
**present within the**  
**Biodiversity Study Area**

**Legend**

- BAM Plot Location
  - Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
  - Waterbody
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - PCT 58 (Derived-Weedy)
  - PCT 58 (Weedy understory)
  - PCT 170 (Moderate-Good)
  - PCT 170 (Derived-Native)
  - Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt



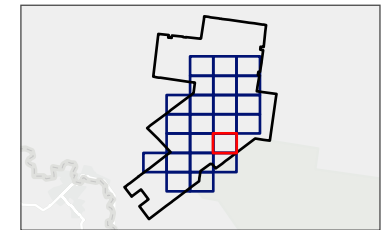


C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 SX\02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_V1.aprx - 31894\_R10\_APP\_A\_F0402\_PCT\_within\_BSA\_DD



**FIGURE 4.2.17**  
**Plant Community Types**  
**present within the**  
**Biodiversity Study Area**

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
  - Waterbody
  - NPWS Estates
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - PCT 58 (Weedy understory)
  - PCT 170 (Moderate-Good)
  - Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road

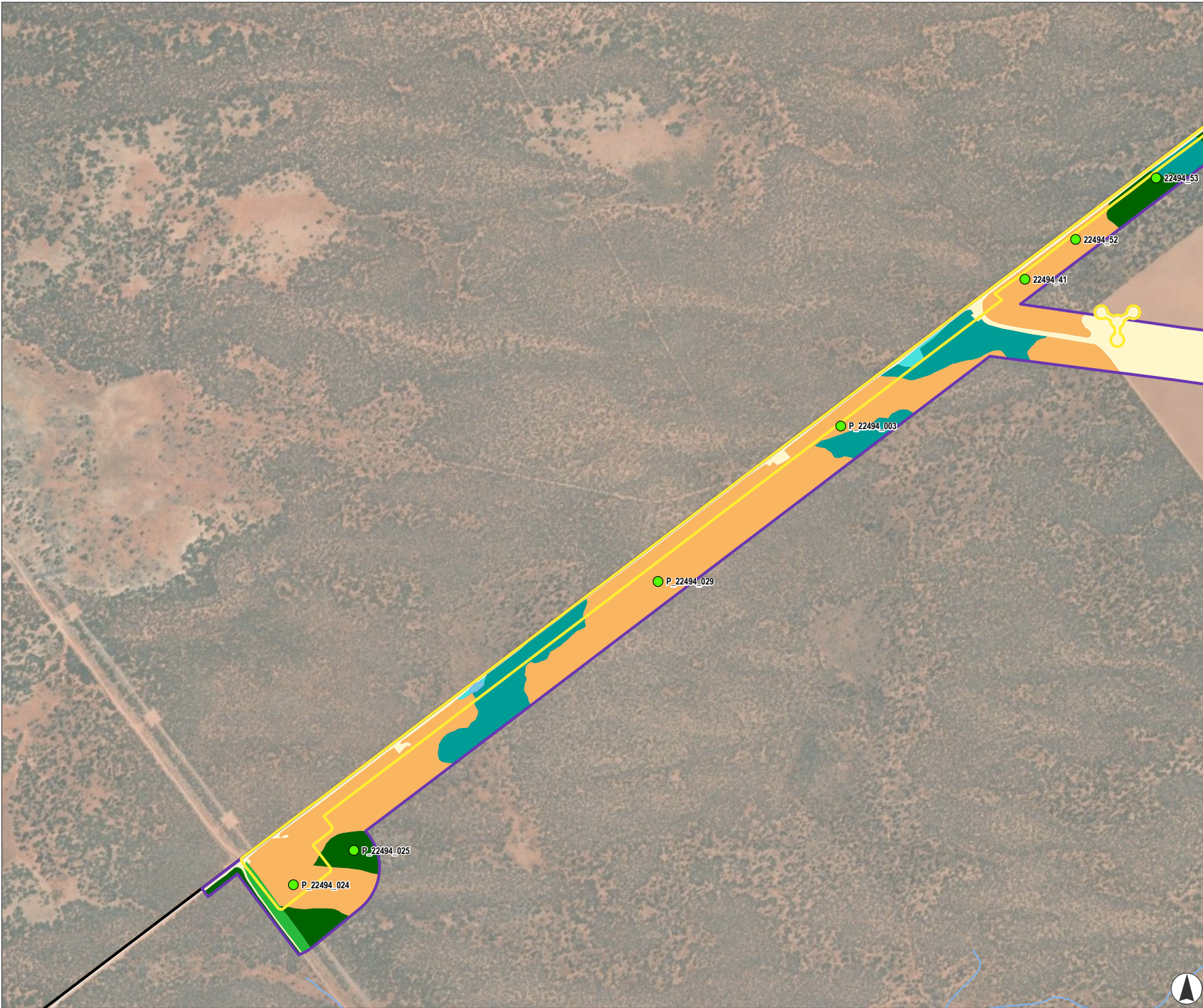


Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



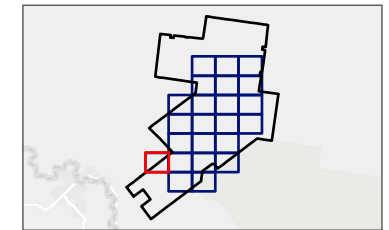
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt





**FIGURE 4.2.18**  
**Plant Community Types**  
**present within the**  
**Biodiversity Study Area**

- Legend**
- BAM Plot Location
  - Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Road
  - Watercourse
  - Waterbody
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - PCT 58 (Derived-Weedy)
  - PCT 170 (Moderate-Good)
  - PCT 170 (Derived-Native)
  - PCT 171 (Moderate-Good)
  - Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



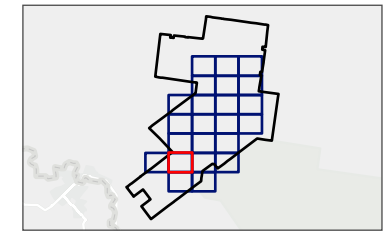
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 SXV02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_V1.aprx - 31894\_R10\_APP\_A\_F0402\_PCT\_within\_BSA\_DD



**FIGURE 4.2.19**  
**Plant Community Types**  
**present within the**  
**Biodiversity Study Area**

- Legend**
- BAM Plot Location
  - Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - PCT 58 (Derived-Weedy)
  - PCT 170 (Moderate-Good)
  - PCT 170 (Derived-Native)
  - PCT 171 (Moderate-Good)
  - Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road

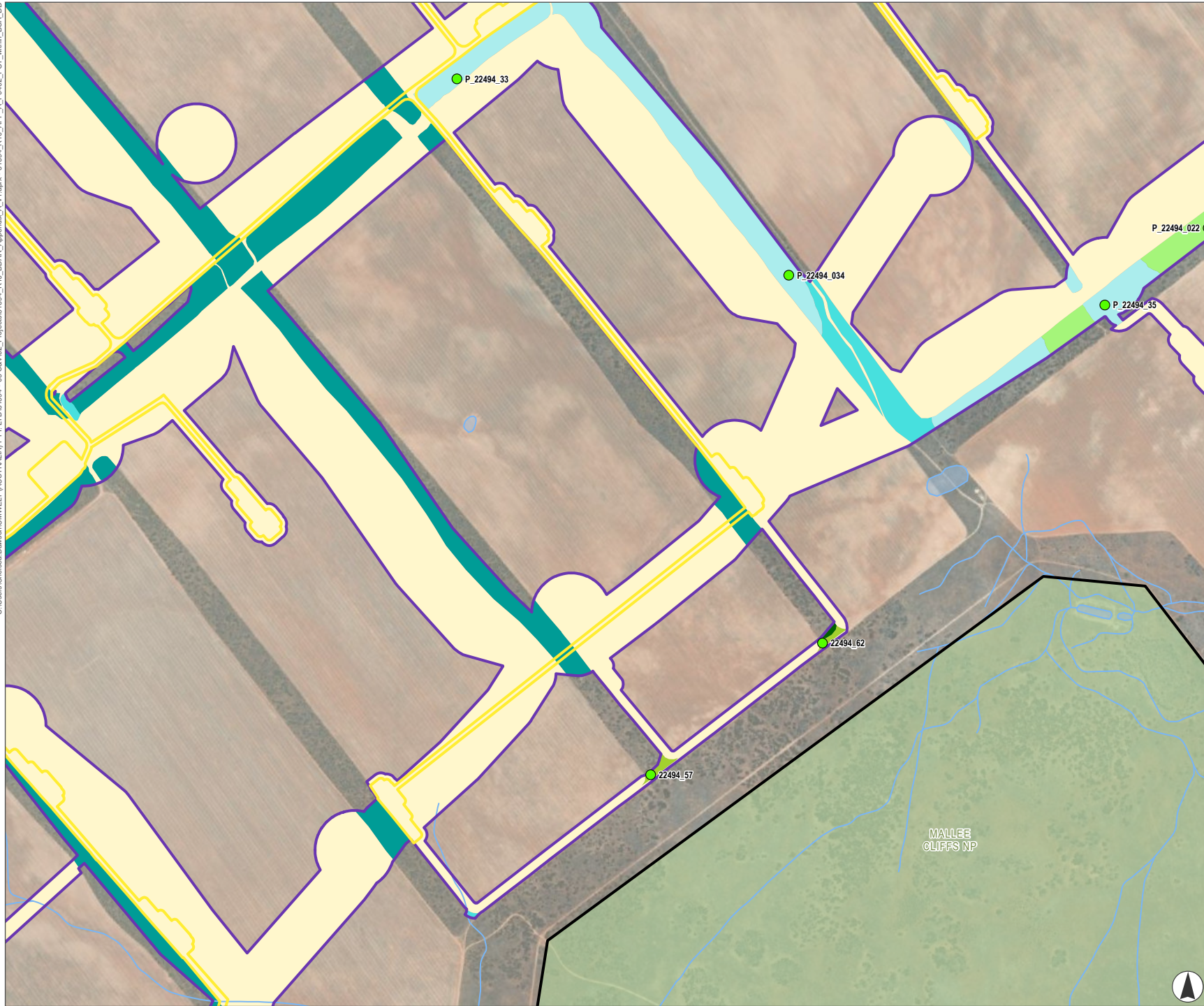


Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

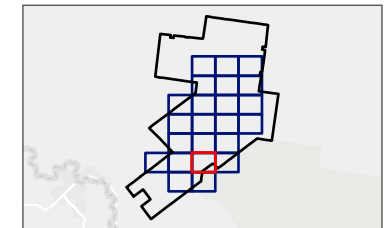
C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 SXV02\_P\Projects\31894\_R10\_BDAR\_Appendix\_A\_V1.aprx - 31894\_R10\_APP\_A\_F0402\_PCT\_within\_BSA\_DD



**FIGURE 4.2.20**  
**Plant Community Types**  
**present within the**  
**Biodiversity Study Area**

**Legend**

- BAM Plot Location
  - Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
  - Waterbody
  - NPWS Estates
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - PCT 58 (Derived-Weedy)
  - PCT 58 (Weedy understory)
  - PCT 170 (Moderate-Good)
  - PCT 170 (Derived-Weedy)
  - PCT 170 (Weedy Understory)
  - Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road

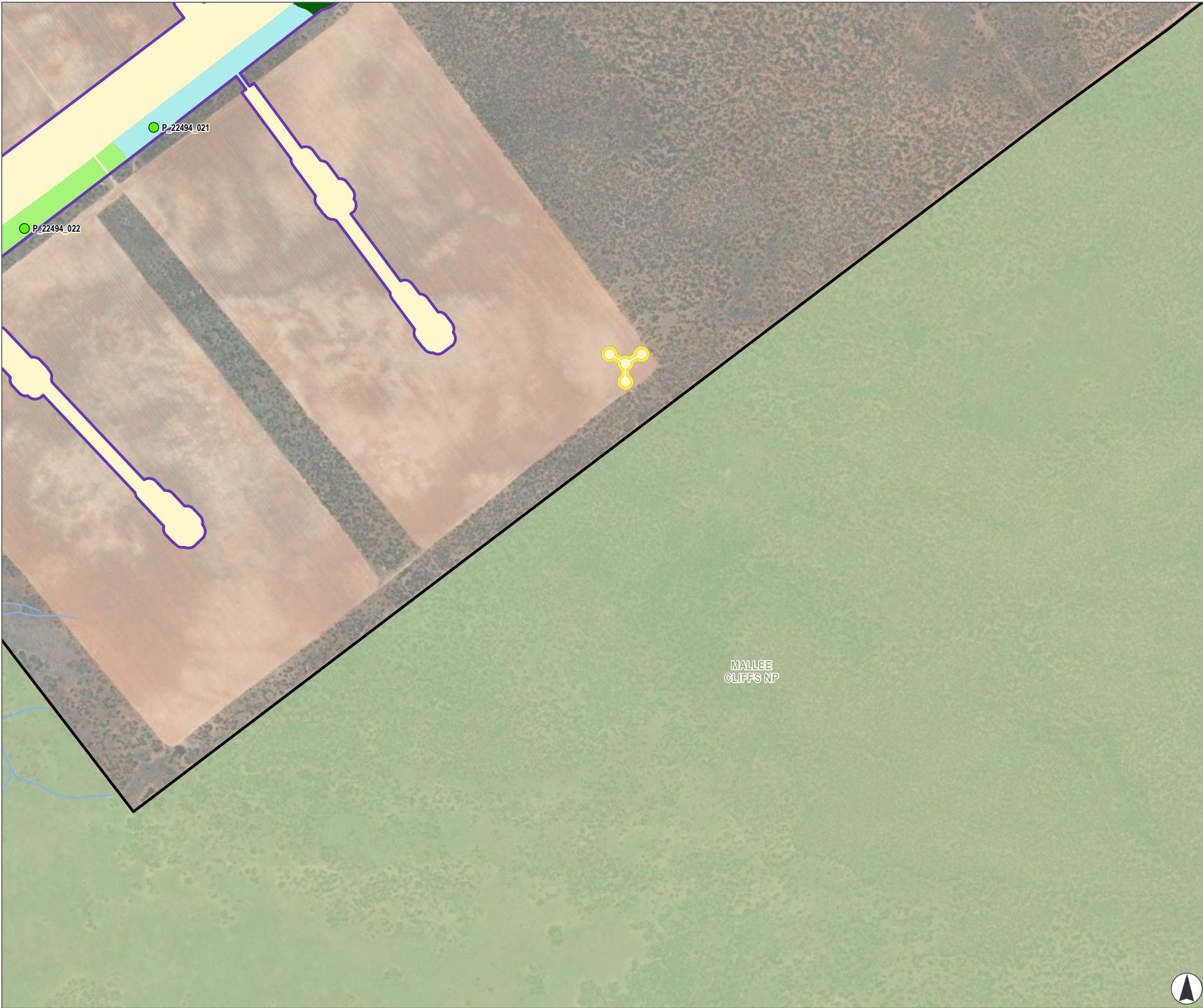


Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

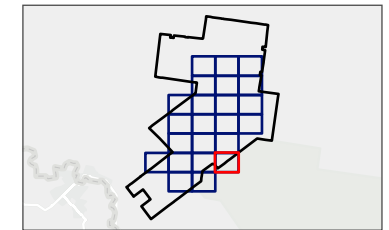
C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 58\02 - Projects\31894\_R10\_BDAR\_Appendix\_A\_V1.aprx - 31894\_R10\_APP\_A\_F0402\_PCT\_within\_BSA\_DD



**FIGURE 4.2.21**  
**Plant Community Types**  
**present within the**  
**Biodiversity Study Area**

**Legend**

- BAM Plot Location
  - Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
  - NPWS Estates
- Plant Community Type**
- PCT 58 (Weedy understory)
  - PCT 170 (Moderate-Good)
  - PCT 170 (Weedy Understory)
  - Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road

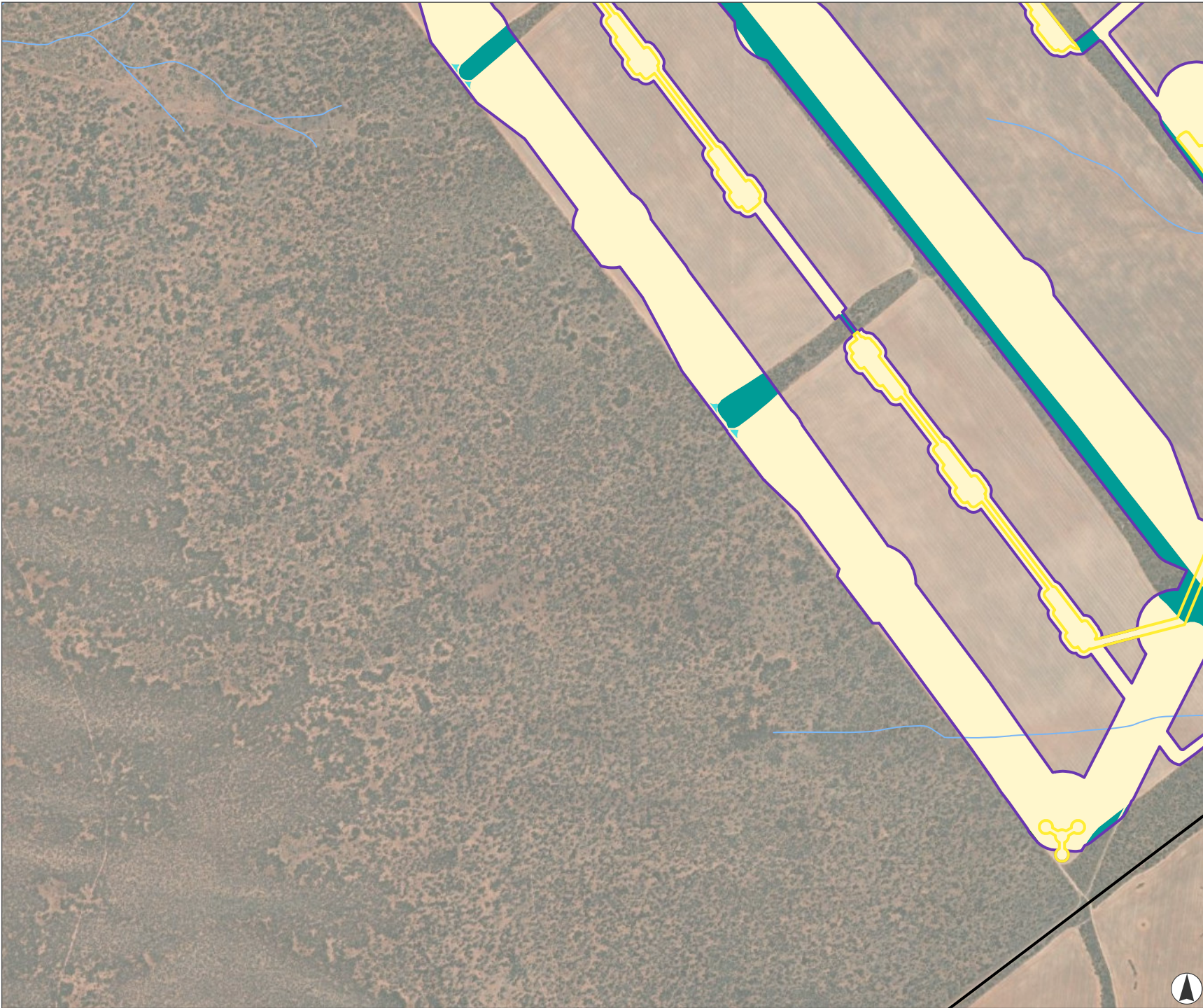


Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



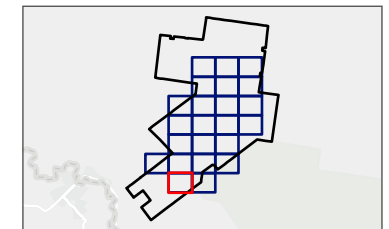
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 SX\02\_P\Projects\31894\_R10\_BDAR\_Appendix\_A\_V1.aprx - 31894\_R10\_APP\_A\_F0402\_PCT\_within\_BSA\_DD



**FIGURE 4.2.22**  
**Plant Community Types**  
**present within the**  
**Biodiversity Study Area**

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - PCT 58 (Derived-Weedy)
  - PCT 170 (Moderate-Good)
  - Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road

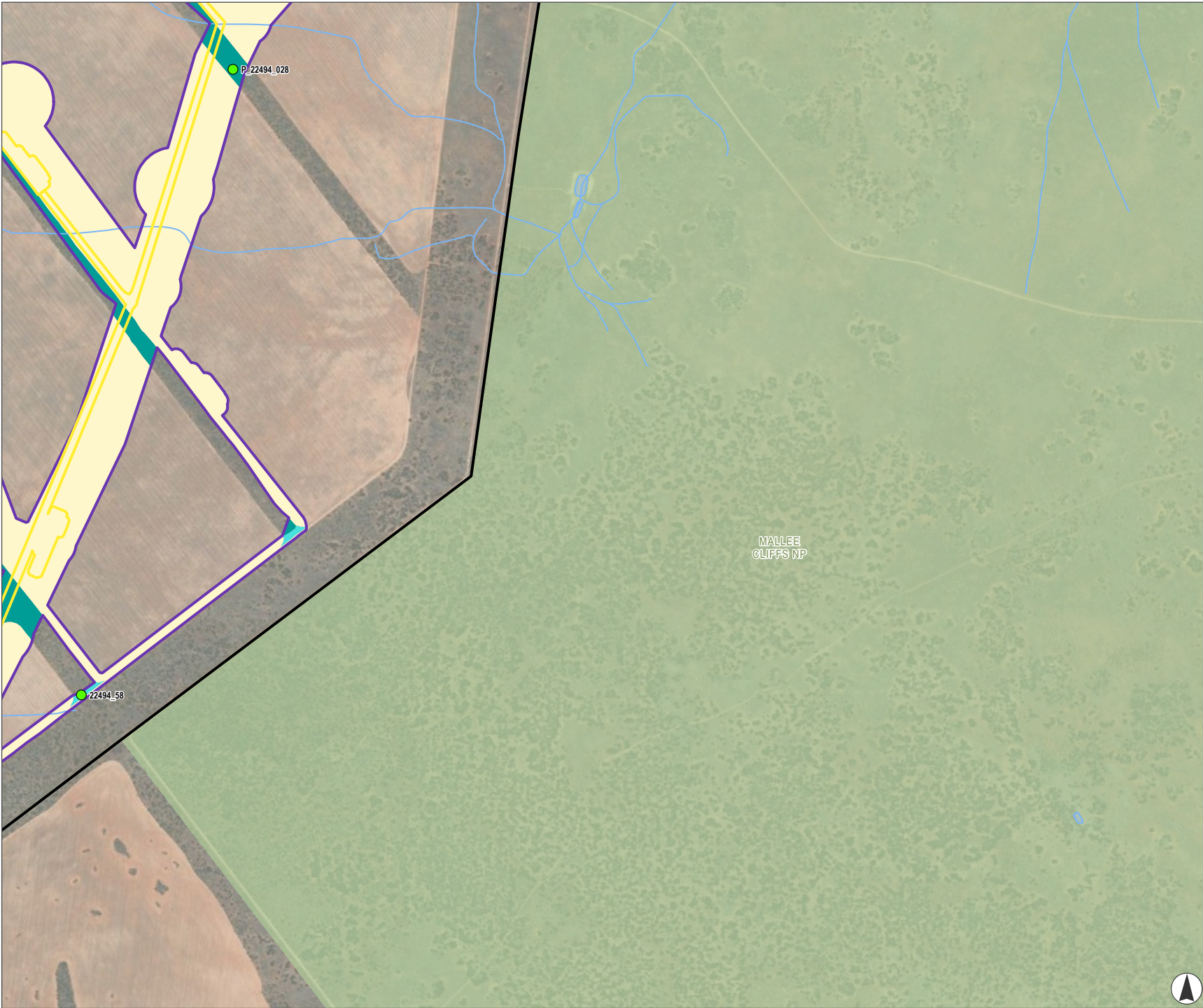


Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

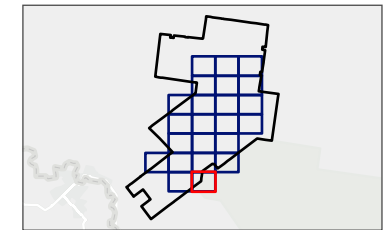
C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 58\02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_V1.aprx - 31894\_R10\_APP\_A\_F0402\_PCT\_within\_BSA\_DD



**FIGURE 4.2.23**  
**Plant Community Types**  
**present within the**  
**Biodiversity Study Area**

**Legend**

- BAM Plot Location
  - Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
  - Waterbody
  - NPWS Estates
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - PCT 58 (Derived-Weedy)
  - Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road

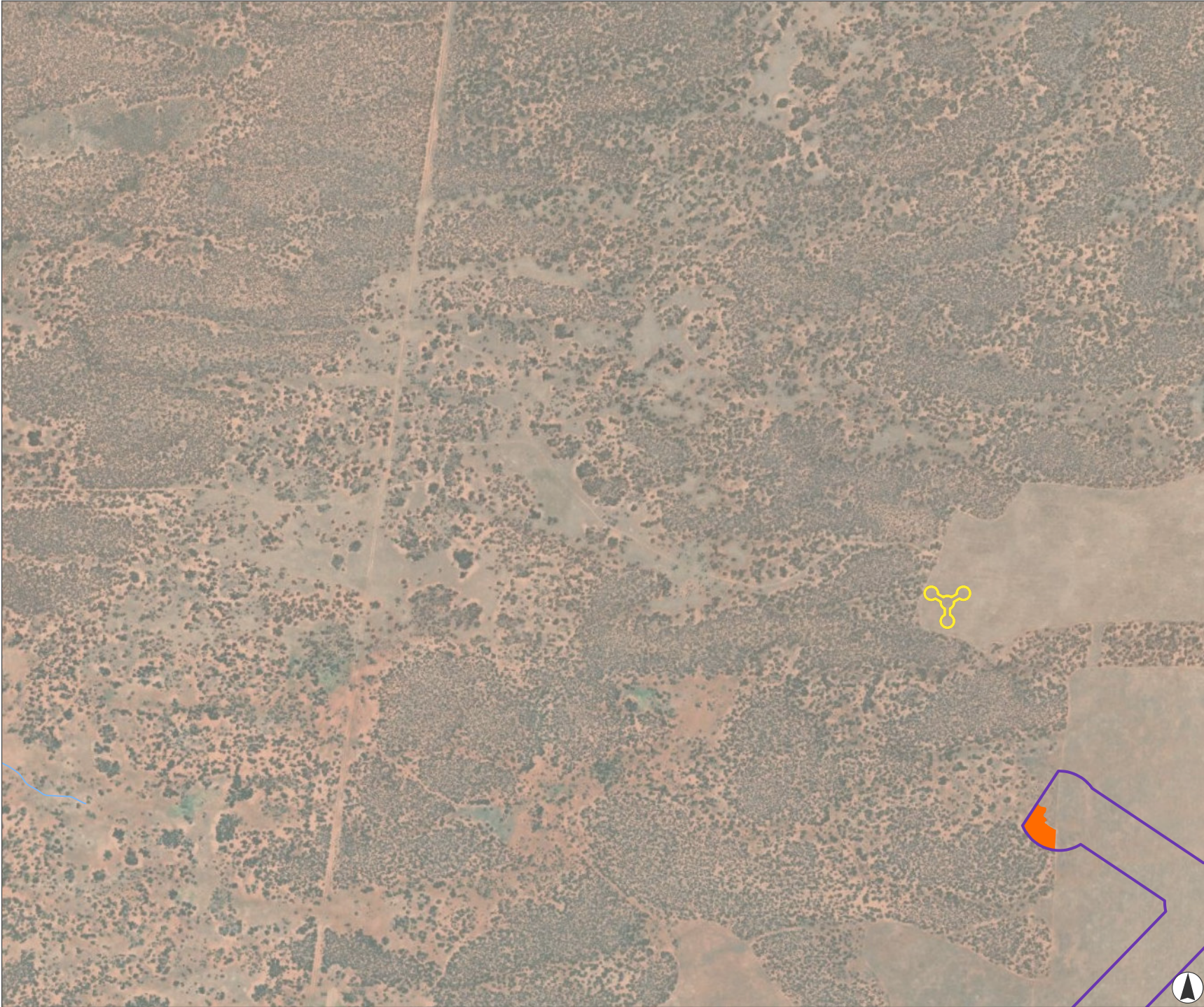


Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



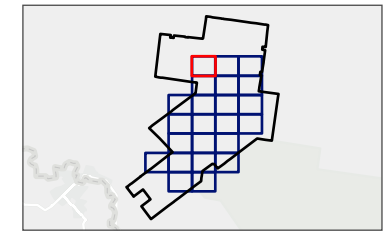
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt





**FIGURE 4.3.1**  
**Distribution of Threatened Ecological Communities listed under EPBC Act across the Biodiversity Study Area**

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
- Threatened Ecological Communities - EPBC Act**
- Mallee Bird Community of the Murray Darling Depression Bioregion EEC

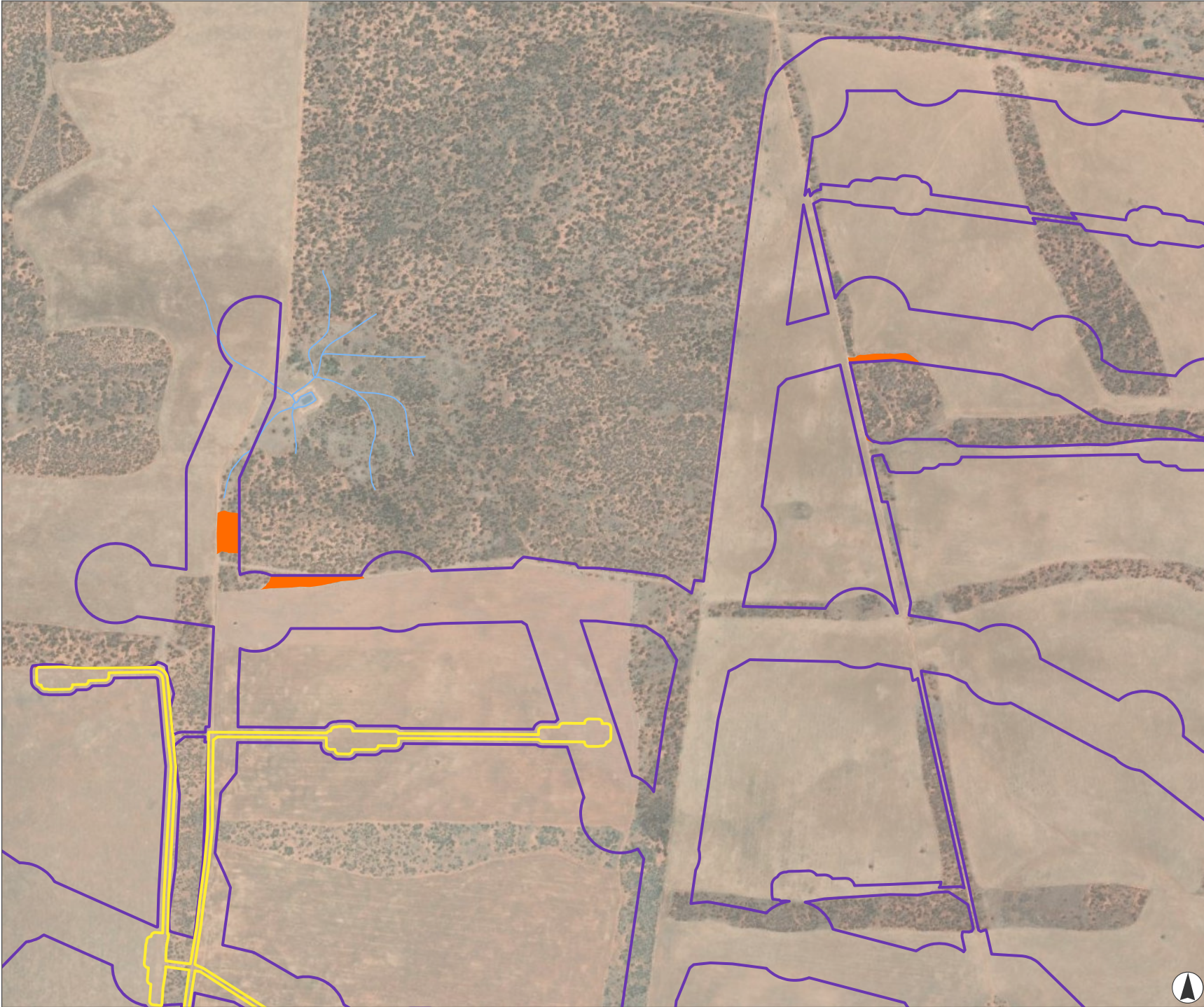


Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



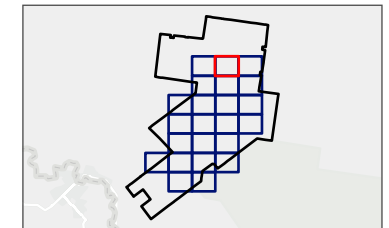
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt





**FIGURE 4.3.2**  
**Distribution of Threatened Ecological Communities listed under EPBC Act across the Biodiversity Study Area**

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
  - Waterbody
- Threatened Ecological Communities - EPBC Act**
- Mallee Bird Community of the Murray Darling Depression Bioregion EEC



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54




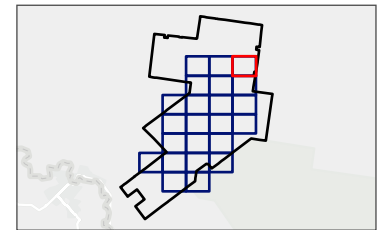
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt





**FIGURE 4.3.3**  
**Distribution of Threatened Ecological Communities listed under EPBC Act across the Biodiversity Study Area**

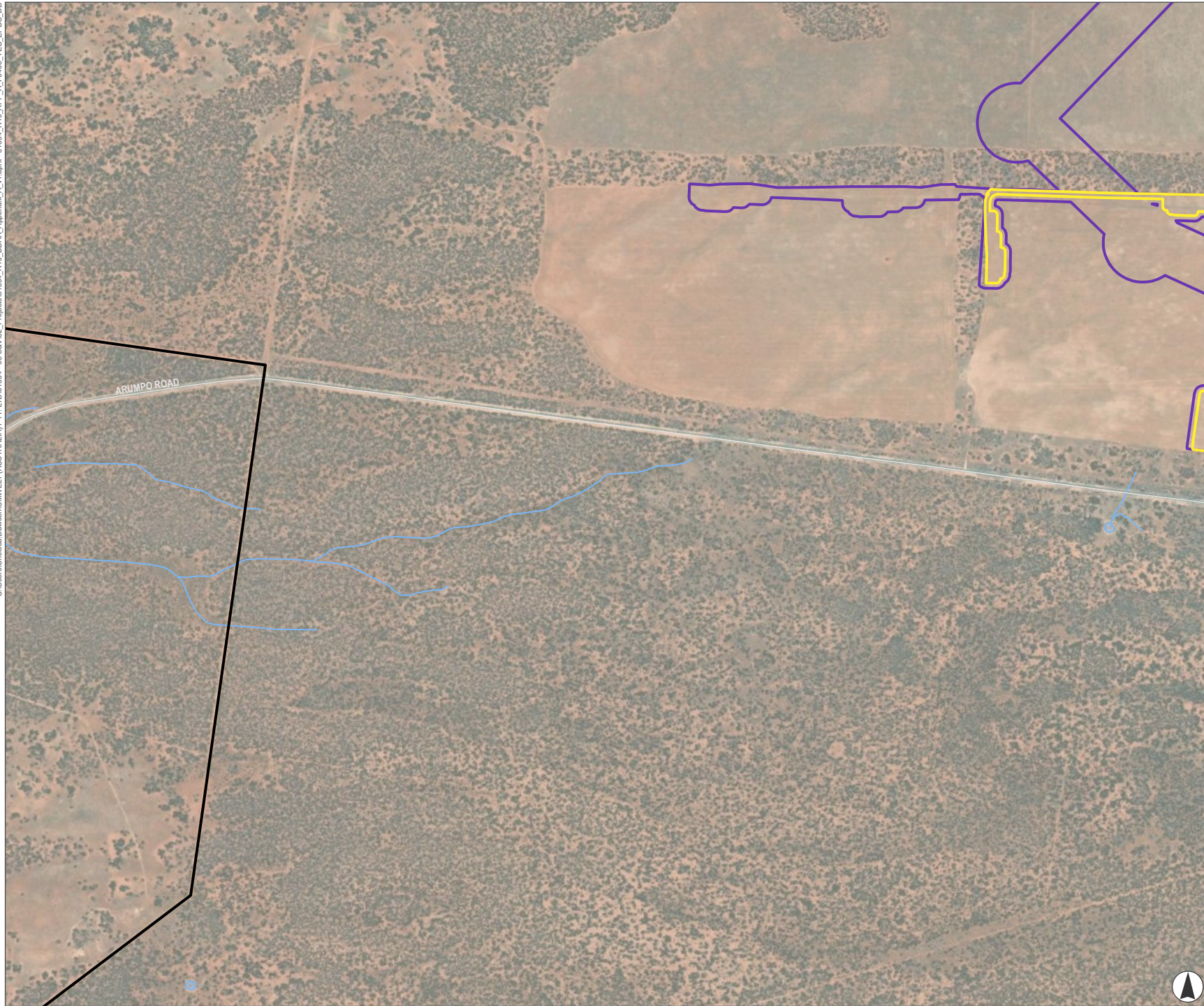
- Legend**
-  Project Boundary
  -  Development Footprint
  -  Biodiversity Study Area
  -  Road
  -  Watercourse



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54

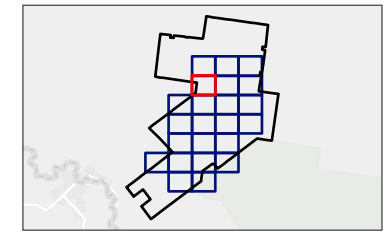


This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt



**FIGURE 4.3.4**  
**Distribution of Threatened Ecological Communities listed under EPBC Act across the Biodiversity Study Area**

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Road
  - Watercourse
  - Waterbody

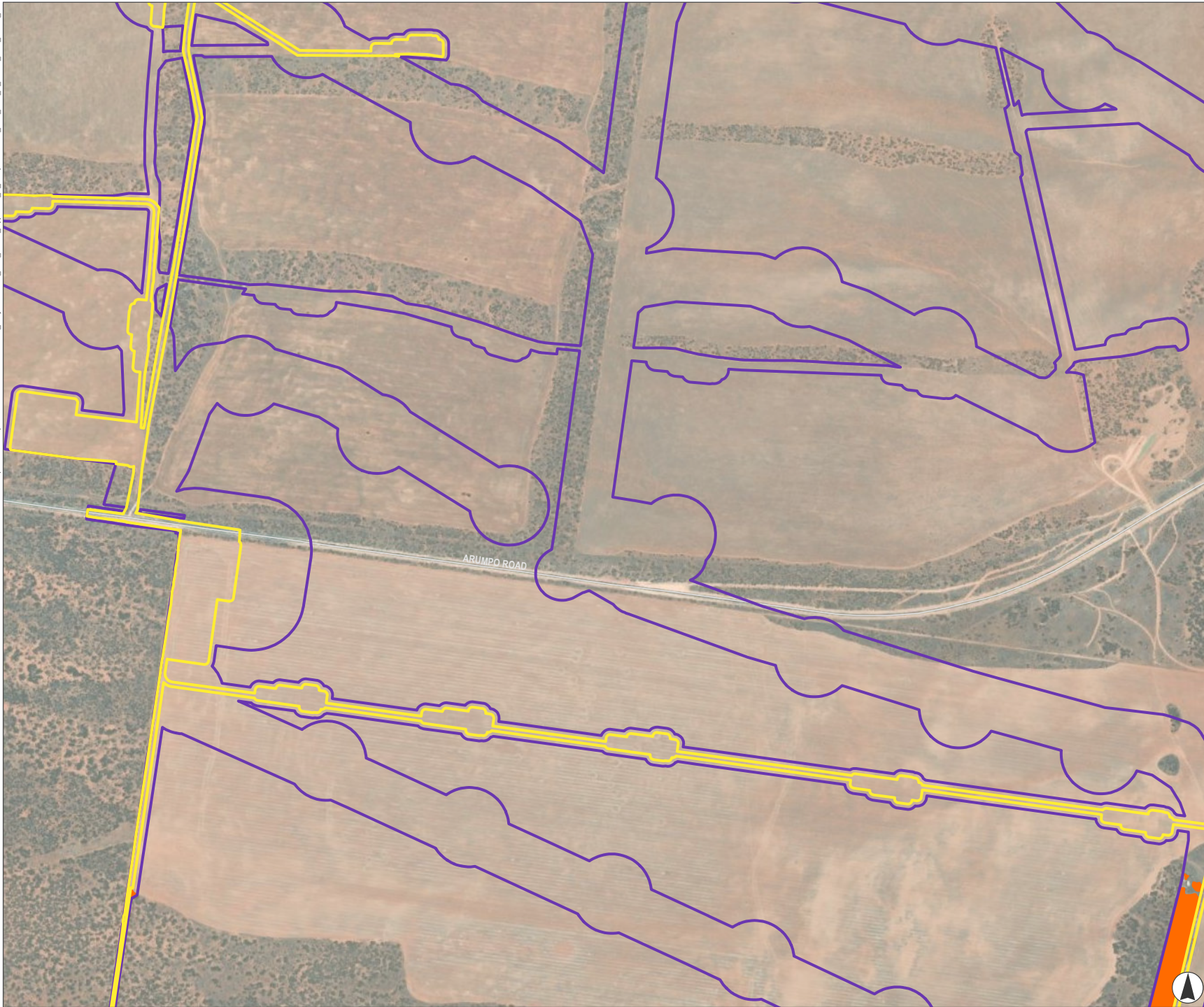


Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



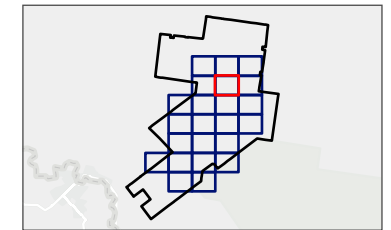
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt





**FIGURE 4.3.5**  
**Distribution of Threatened Ecological Communities listed under EPBC Act across the Biodiversity Study Area**

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Road
- Threatened Ecological Communities - EPBC Act**
- Mallee Bird Community of the Murray Darling Depression Bioregion EEC

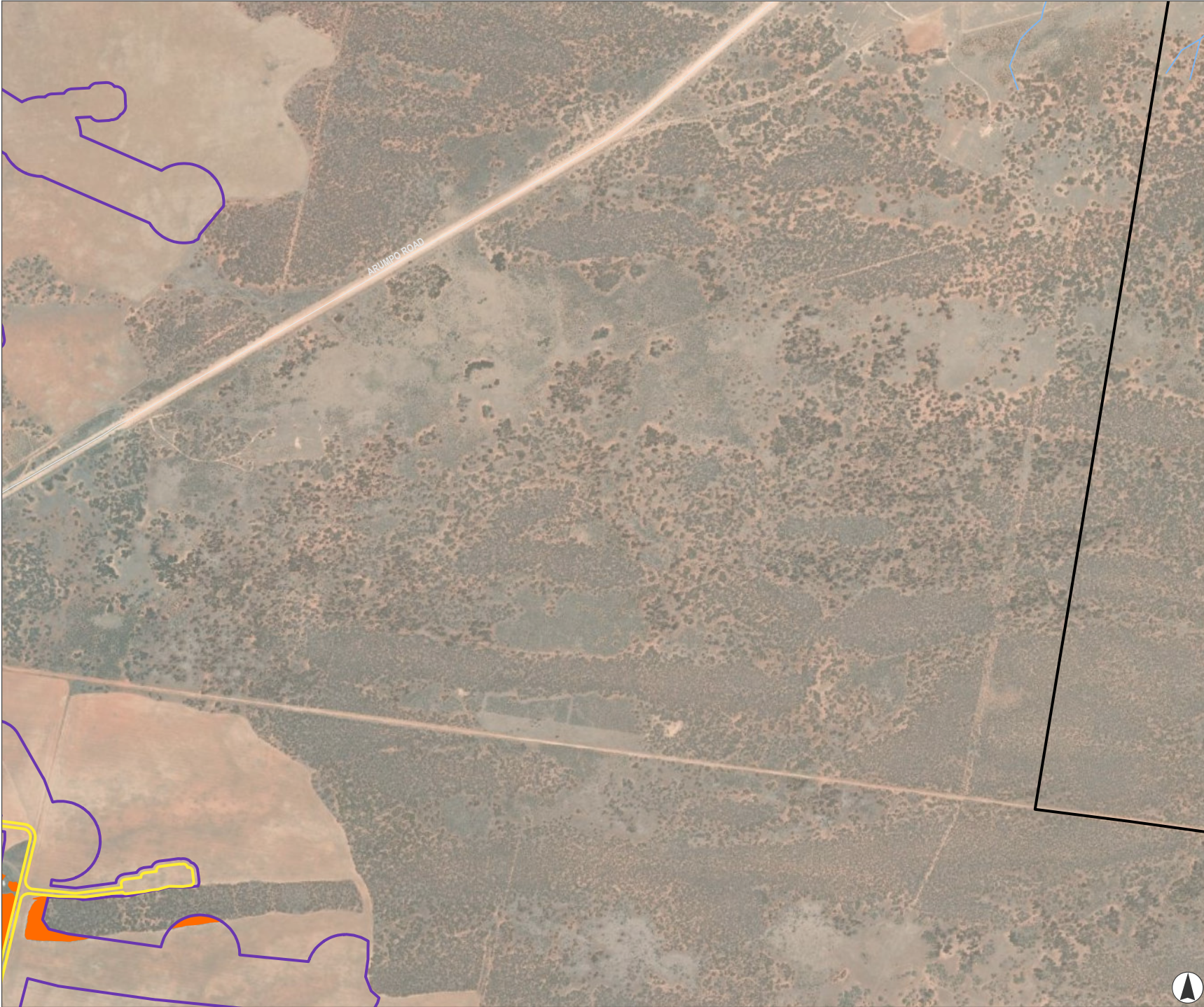


Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



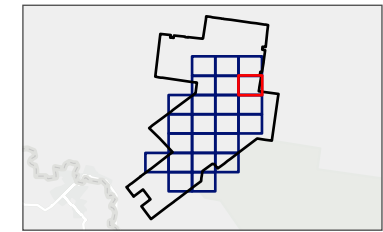
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsea.Dawson\Umwelt\AUSTRALIA\PTY.LTD\31894-03.S&V02\_Projects\31894\_R10\_BIDAR\_Appendix\_A\_v1.aprx-31894\_R10\_APP\_A\_F0403\_TEC\_EPBC\_DD



**FIGURE 4.3.6**  
**Distribution of Threatened Ecological Communities listed under EPBC Act across the Biodiversity Study Area**

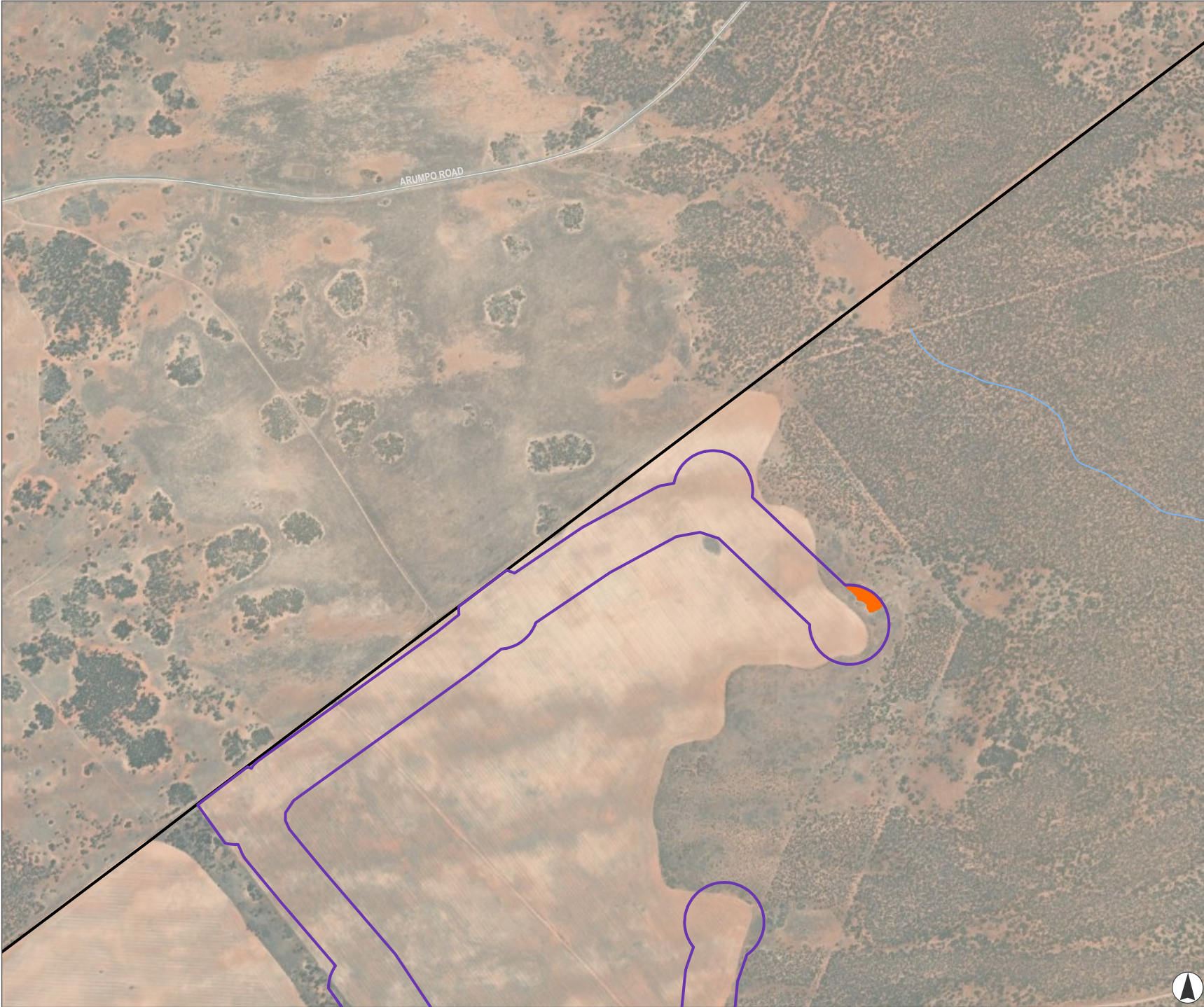
- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Road
  - Watercourse
- Threatened Ecological Communities - EPBC Act**
- Mallee Bird Community of the Murray Darling Depression Bioregion EEC



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54

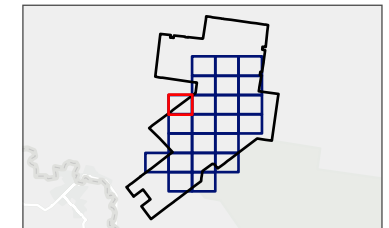


This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt



**FIGURE 4.3.7**  
**Distribution of Threatened Ecological Communities listed under EPBC Act across the Biodiversity Study Area**

- Legend**
- Project Boundary
  - Biodiversity Study Area
  - Road
  - Watercourse
- Threatened Ecological Communities - EPBC Act**
- Mallee Bird Community of the Murray Darling Depression Bioregion EEC

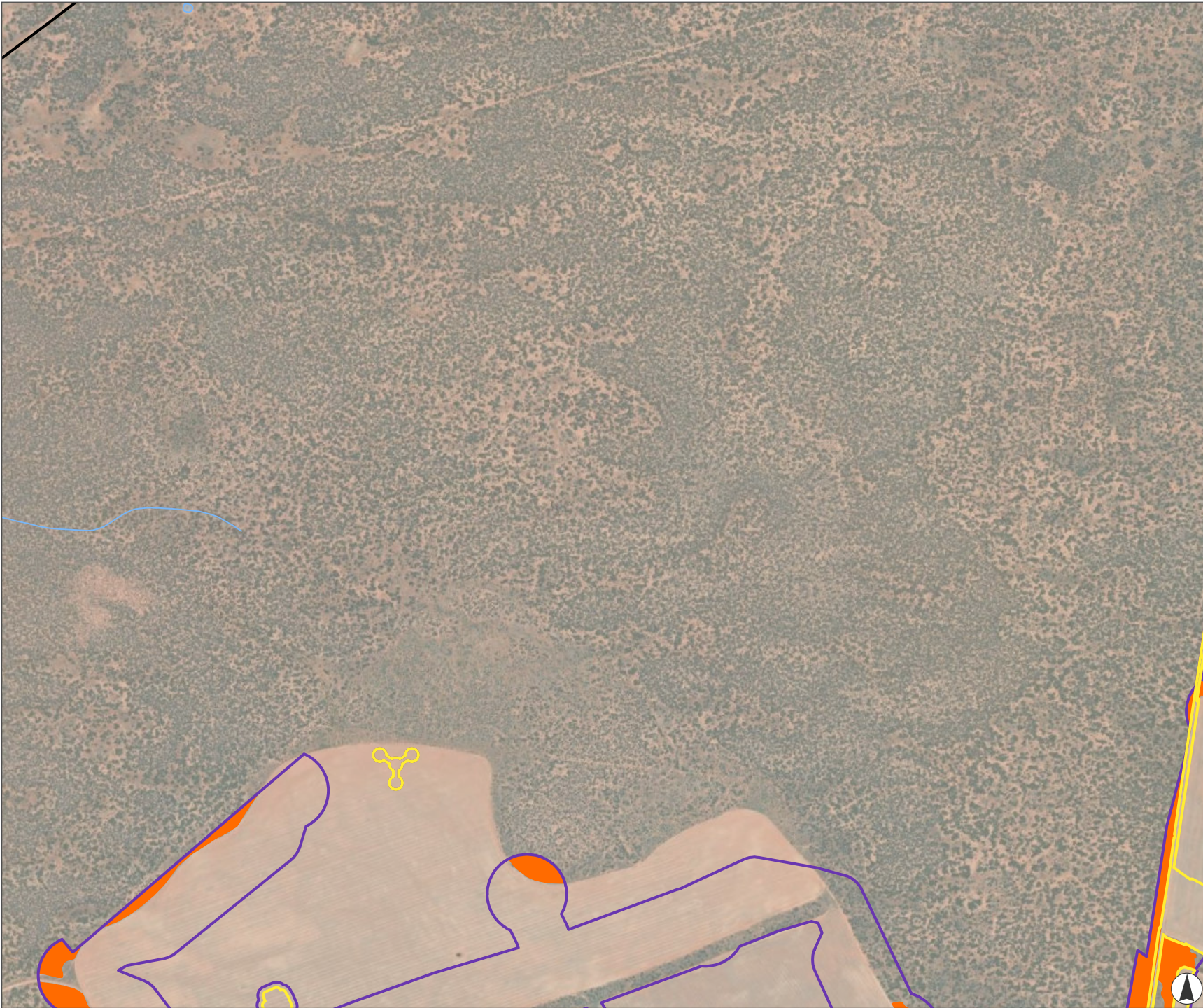


Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



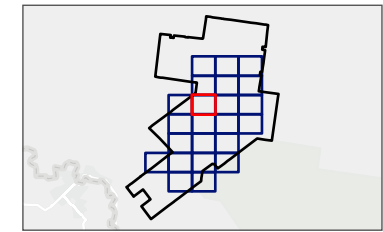
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt





**FIGURE 4.3.8**  
**Distribution of Threatened Ecological Communities listed under EPBC Act across the Biodiversity Study Area**

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
  - Waterbody
- Threatened Ecological Communities - EPBC Act**
- Mallee Bird Community of the Murray Darling Depression Bioregion EEC



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54

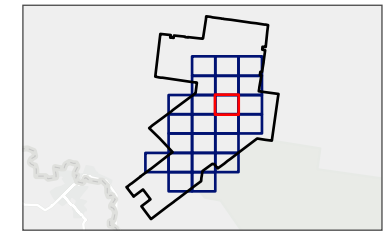


This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt



**FIGURE 4.3.9**  
**Distribution of Threatened Ecological Communities listed under EPBC Act across the Biodiversity Study Area**

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
  - Waterbody
- Threatened Ecological Communities - EPBC Act**
- Mallee Bird Community of the Murray Darling Depression Bioregion EEC



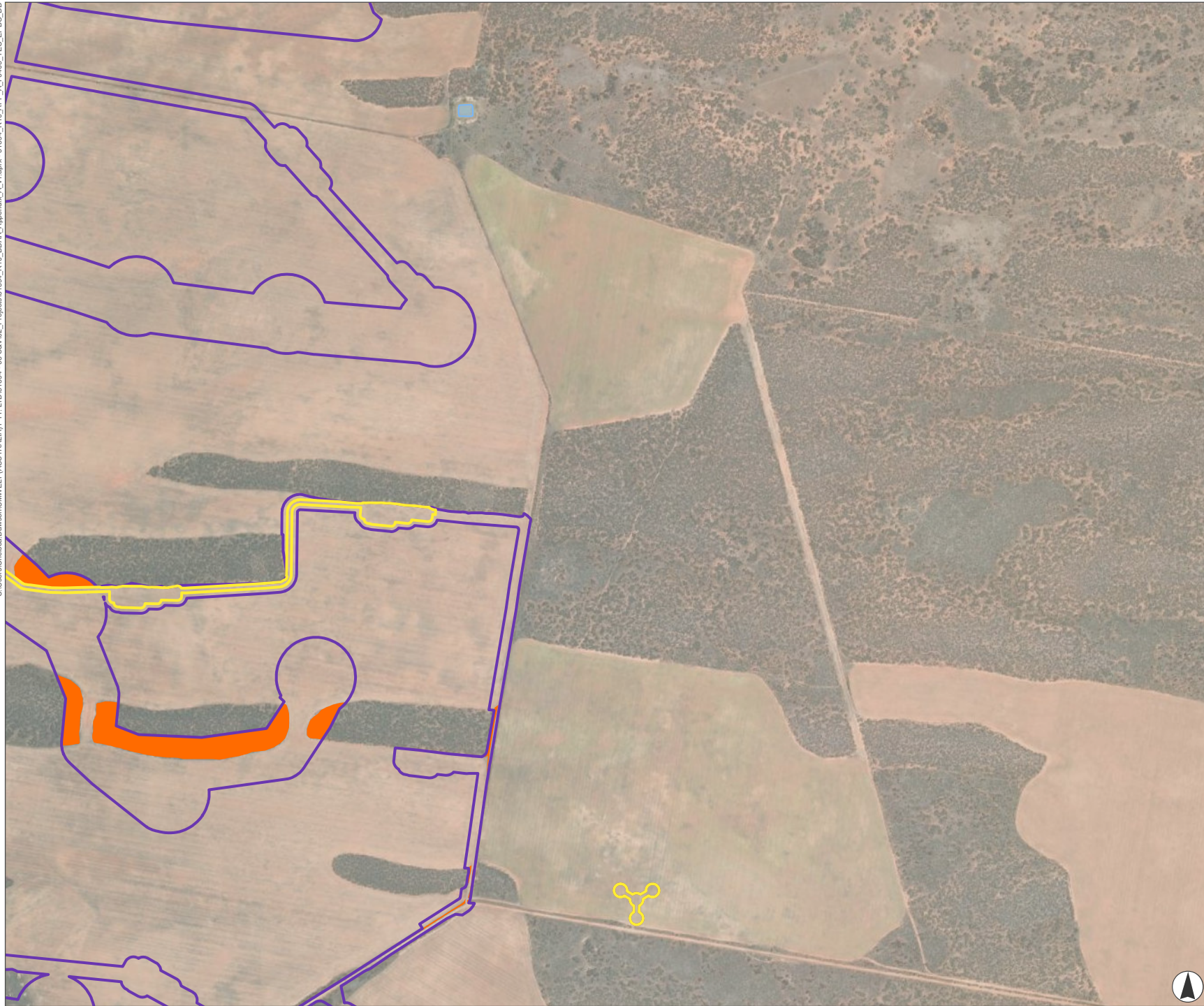
Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

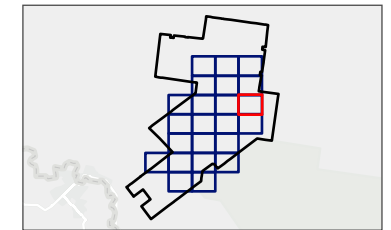


C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 S&V02\_Proj\31894\_R10\_BDAR\_Appendix\_A\_v1.sprx - 31894\_R10\_APP\_A\_F0403\_TEC\_EPBC\_DD



**FIGURE 4.3.10**  
**Distribution of Threatened Ecological Communities listed under EPBC Act across the Biodiversity Study Area**

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Waterbody
- Threatened Ecological Communities - EPBC Act**
- Mallee Bird Community of the Murray Darling Depression Bioregion EEC



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



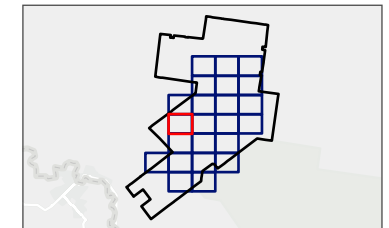
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt





**FIGURE 4.3.11**  
Distribution of Threatened Ecological Communities listed under EPBC Act across the Biodiversity Study Area

- Legend**
- Project Boundary
  - Biodiversity Study Area
  - Watercourse
  - Waterbody
- Threatened Ecological Communities - EPBC Act**
- Mallee Bird Community of the Murray Darling Depression Bioregion EEC



Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



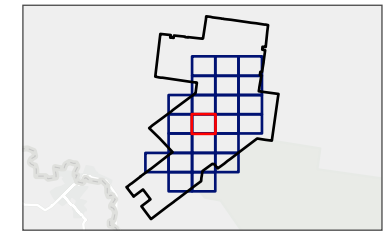
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt





**FIGURE 4.3.12**  
**Distribution of Threatened Ecological Communities listed under EPBC Act across the Biodiversity Study Area**

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
- Threatened Ecological Communities - EPBC Act**
- Mallee Bird Community of the Murray Darling Depression Bioregion EEC



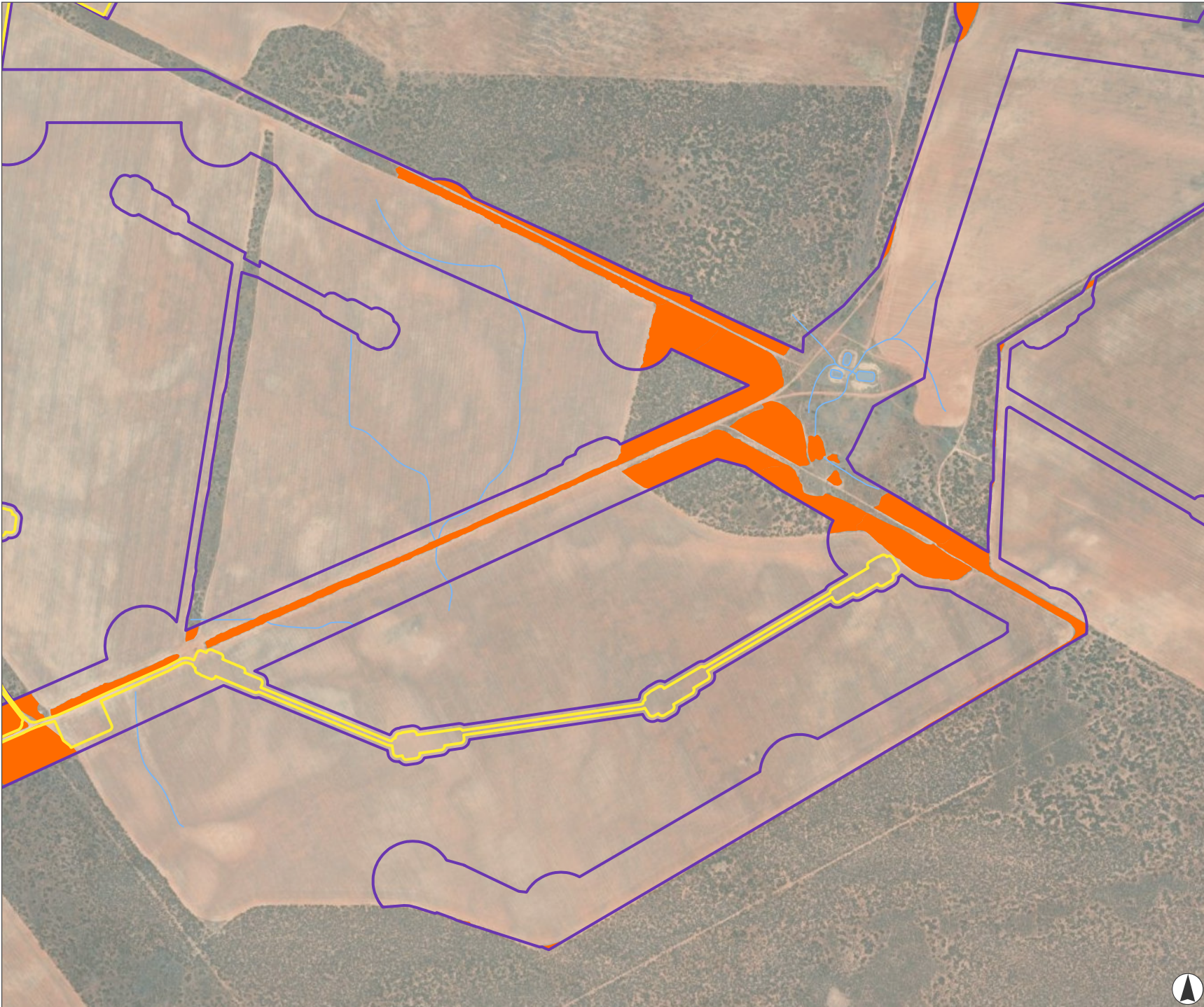
Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

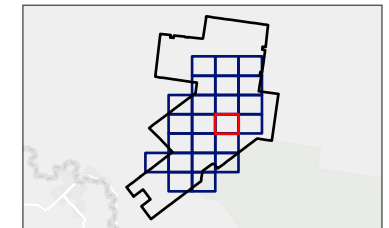


C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03\_S&V02\_Projects\31894\_R10\_BIDAR\_Appendix\_A\_v1.aprx-31894\_R10\_APP\_A\_F0403\_TEC\_EPBC\_DD



**FIGURE 4.3.13**  
**Distribution of Threatened Ecological Communities listed under EPBC Act across the Biodiversity Study Area**

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
  - Waterbody
- Threatened Ecological Communities - EPBC Act**
- Mallee Bird Community of the Murray Darling Depression Bioregion EEC



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54






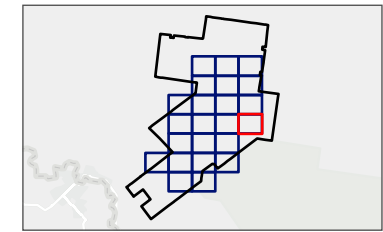
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt





**FIGURE 4.3.14**  
**Distribution of Threatened Ecological Communities listed under EPBC Act across the Biodiversity Study Area**

- Legend**
-  Project Boundary
  -  Biodiversity Study Area
- Threatened Ecological Communities - EPBC Act**
-  Mallee Bird Community of the Murray Darling Depression Bioregion EEC



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

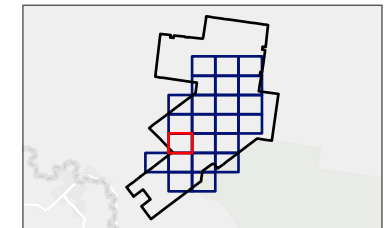


C:\Users\Chelsea.Dawson\UMWELT (AUSTRALIA) PTY. LTD\31894 - 03 S&V02\_Projects\31894\_R10\_DIDAR\_Appendix\_A\_v1.sprx-31894\_R10\_APP\_A\_PM03\_TEC\_EPBC\_DD



**FIGURE 4.3.15**  
**Distribution of Threatened Ecological Communities listed under EPBC Act across the Biodiversity Study Area**

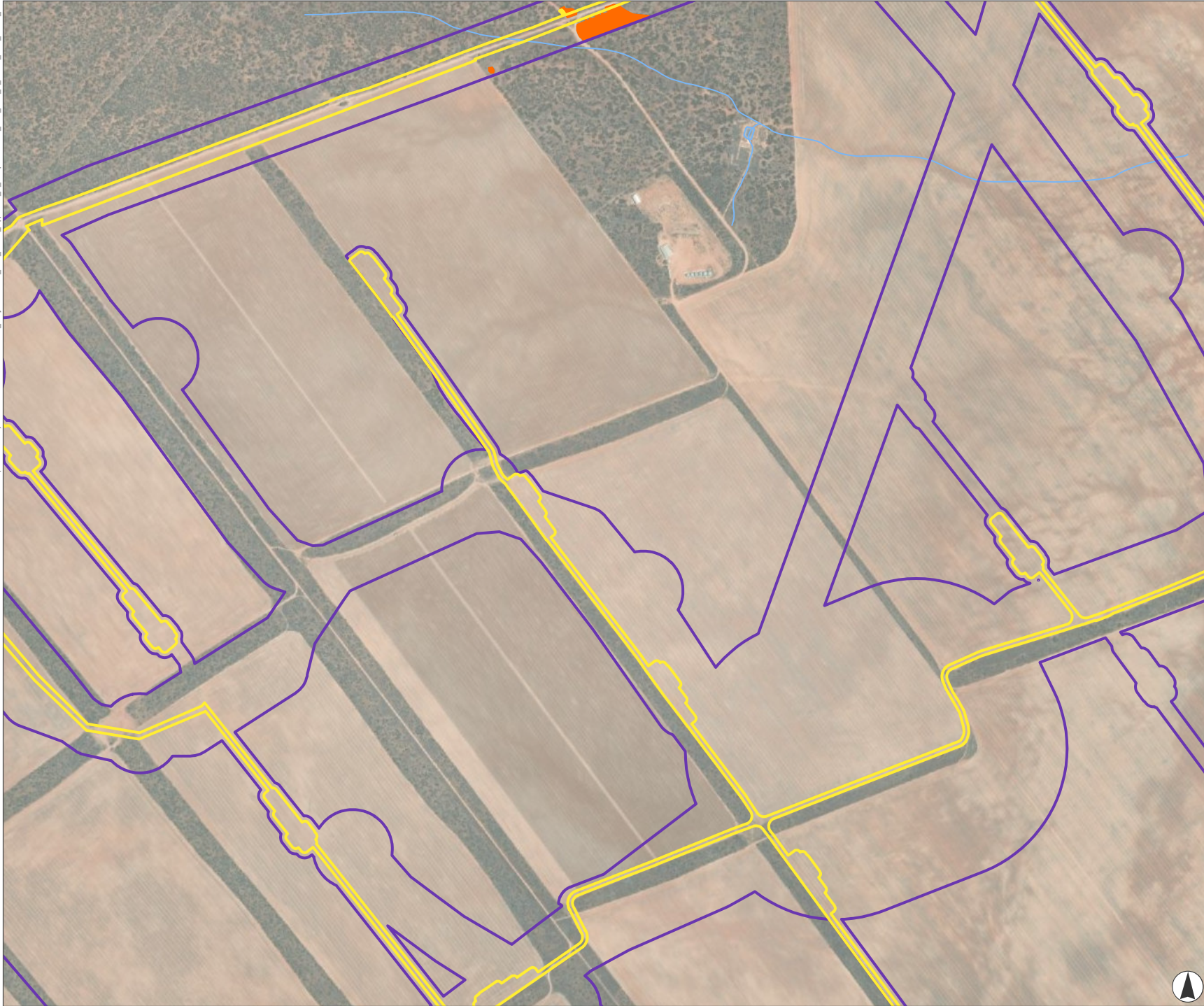
- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
- Threatened Ecological Communities - EPBC Act**
- Mallee Bird Community of the Murray Darling Depression Bioregion EEC



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54

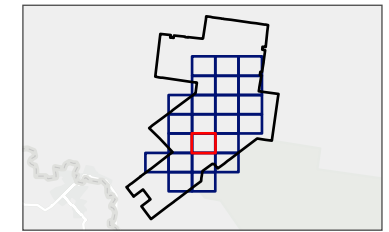


This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt



**FIGURE 4.3.16**  
**Distribution of Threatened Ecological Communities listed under EPBC Act across the Biodiversity Study Area**

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
  - Waterbody
- Threatened Ecological Communities - EPBC Act**
- Mallee Bird Community of the Murray Darling Depression Bioregion EEC



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

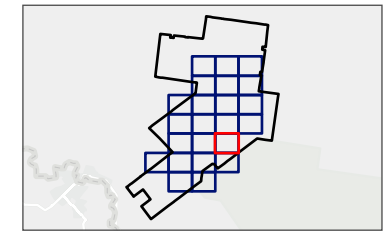


C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 S&V02\_Projects\31894\_R10\_DIDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_FM403\_TEC\_EPBC\_DD



**FIGURE 4.3.17**  
**Distribution of Threatened Ecological Communities listed under EPBC Act across the Biodiversity Study Area**

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
  - Waterbody
  - NPWS Estates
- Threatened Ecological Communities - EPBC Act**
- Mallee Bird Community of the Murray Darling Depression Bioregion EEC



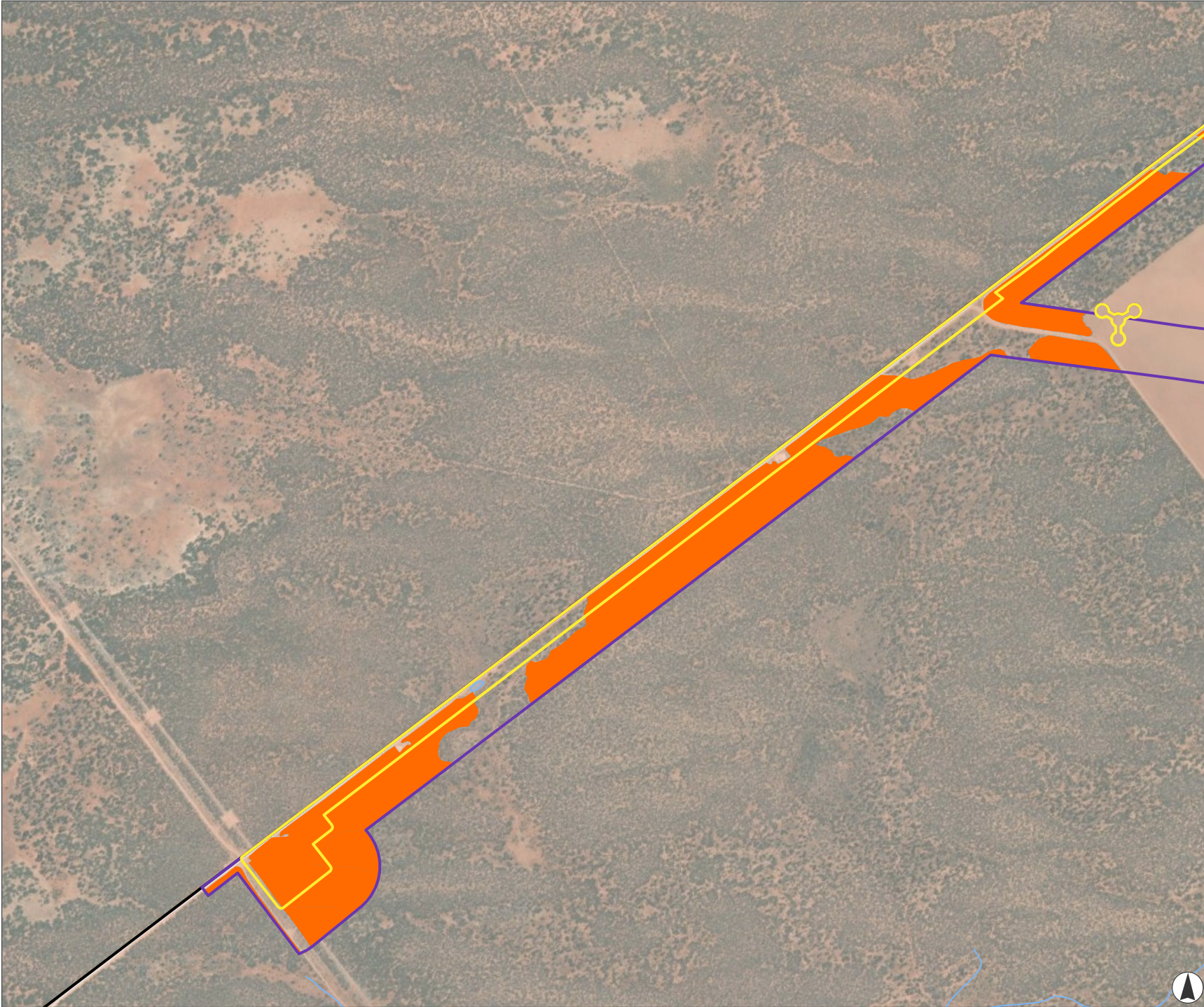
Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

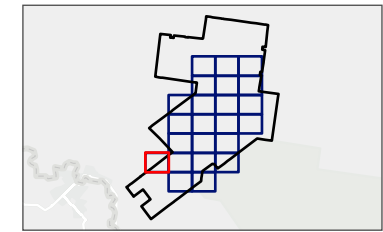






**FIGURE 4.3.18**  
**Distribution of Threatened Ecological Communities listed under EPBC Act across the Biodiversity Study Area**

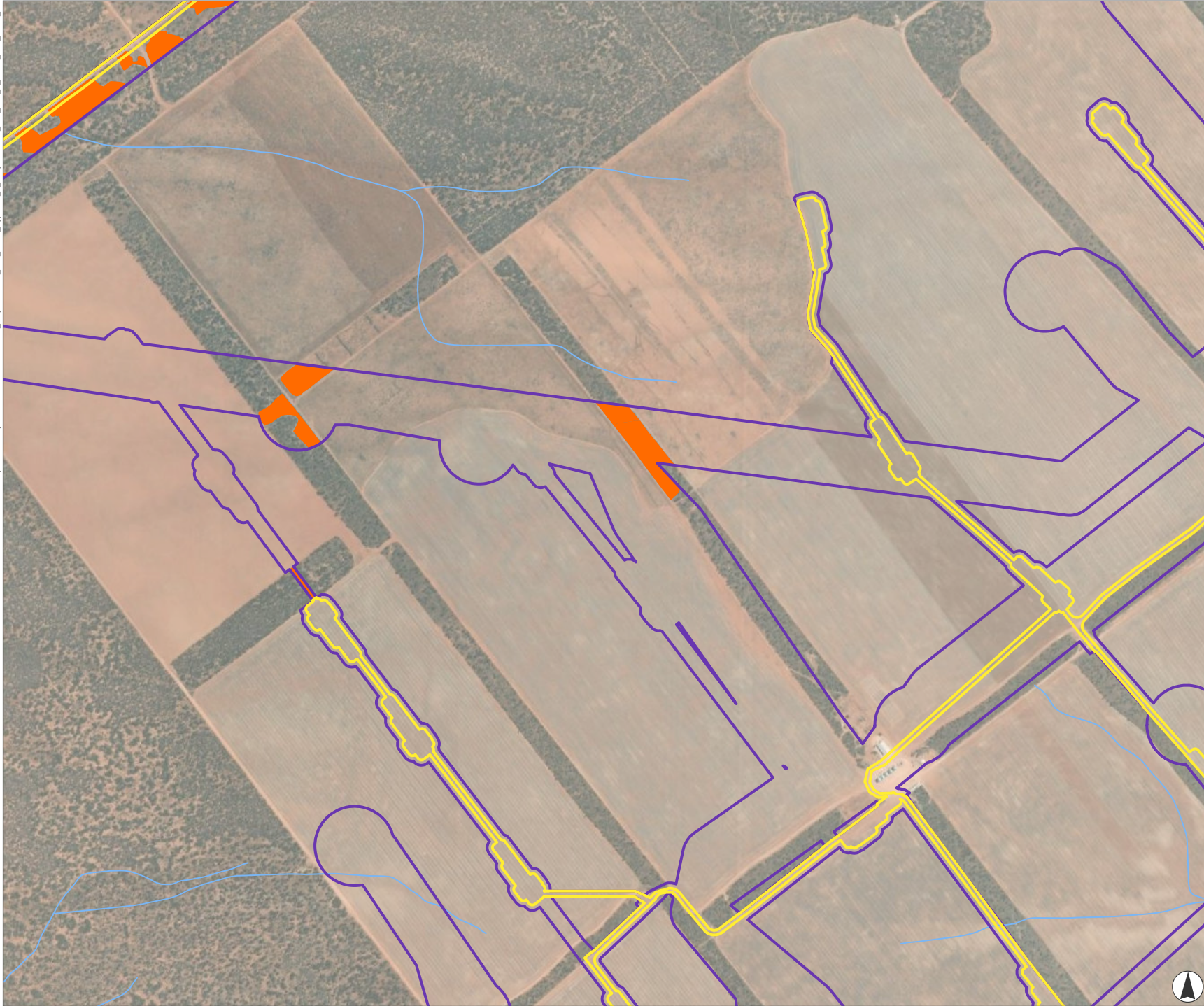
- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Road
  - Watercourse
  - Waterbody
- Threatened Ecological Communities - EPBC Act**
- Mallee Bird Community of the Murray Darling Depression Bioregion EEC



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54

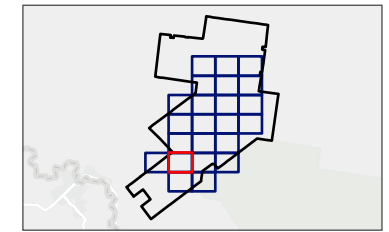


This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt



**FIGURE 4.3.19**  
**Distribution of Threatened Ecological Communities listed under EPBC Act across the Biodiversity Study Area**

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
- Threatened Ecological Communities - EPBC Act**
- Mallee Bird Community of the Murray Darling Depression Bioregion EEC

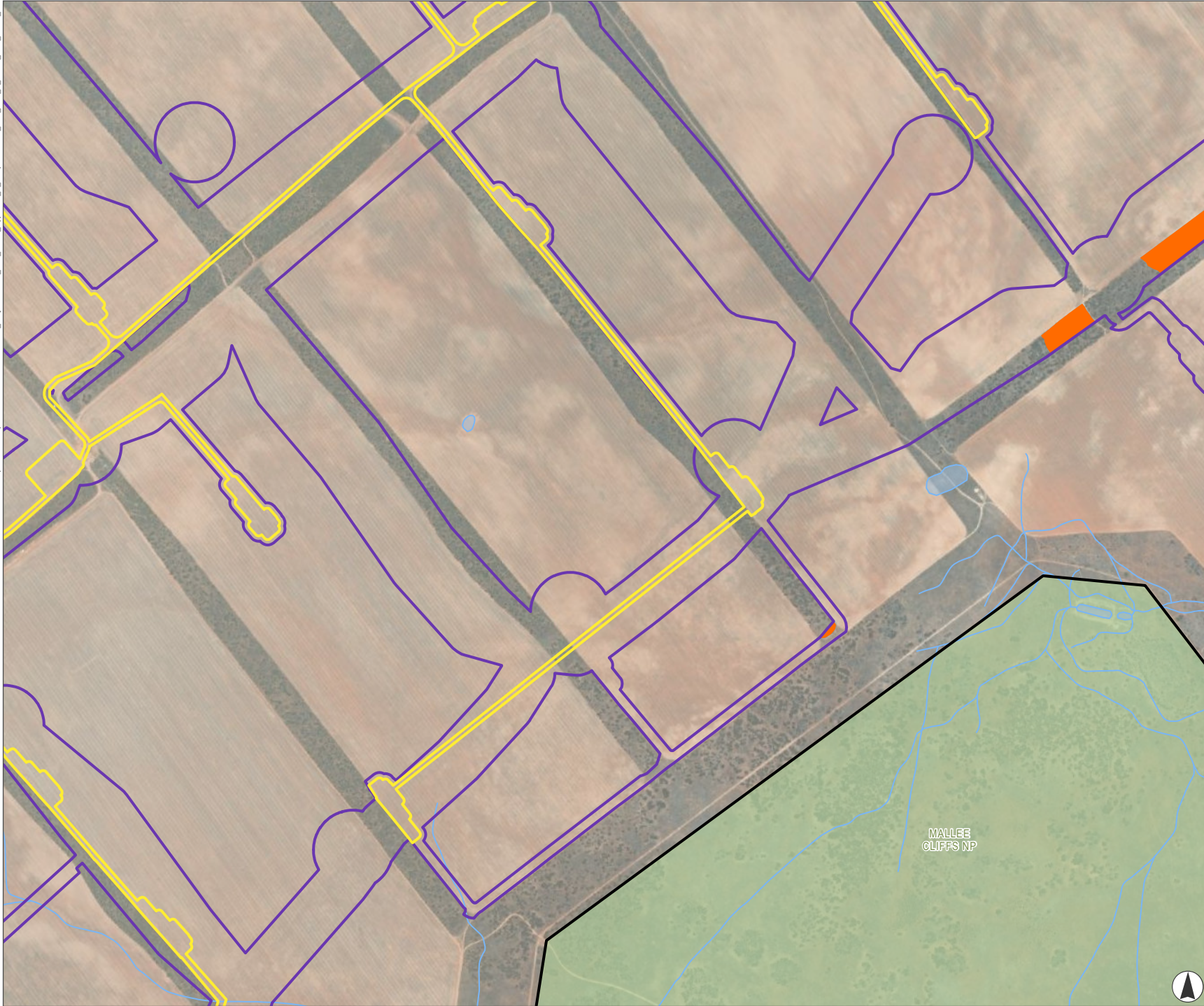


Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



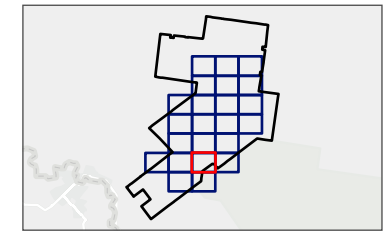
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 S&V02\_Projects\31894\_R10\_DIDAR\_Appendix\_A\_v1.sprx-31894\_R10\_APP\_A\_F0403\_TEC\_EPBC\_DD



**FIGURE 4.3.20**  
**Distribution of Threatened Ecological Communities listed under EPBC Act across the Biodiversity Study Area**

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
  - Waterbody
  - NPWS Estates
- Threatened Ecological Communities - EPBC Act**
- Mallee Bird Community of the Murray Darling Depression Bioregion EEC



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



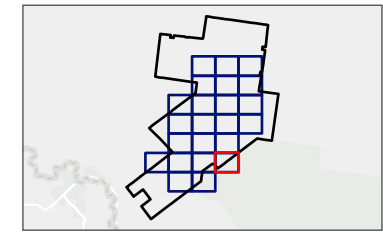
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03\_S&V02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_FW403\_TEC\_EPBC\_DD



**FIGURE 4.3.21**  
 Distribution of Threatened Ecological Communities listed under EPBC Act across the Biodiversity Study Area

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
  - NPWS Estates
- Threatened Ecological Communities - EPBC Act**
- Mallee Bird Community of the Murray Darling Depression Bioregion EEC

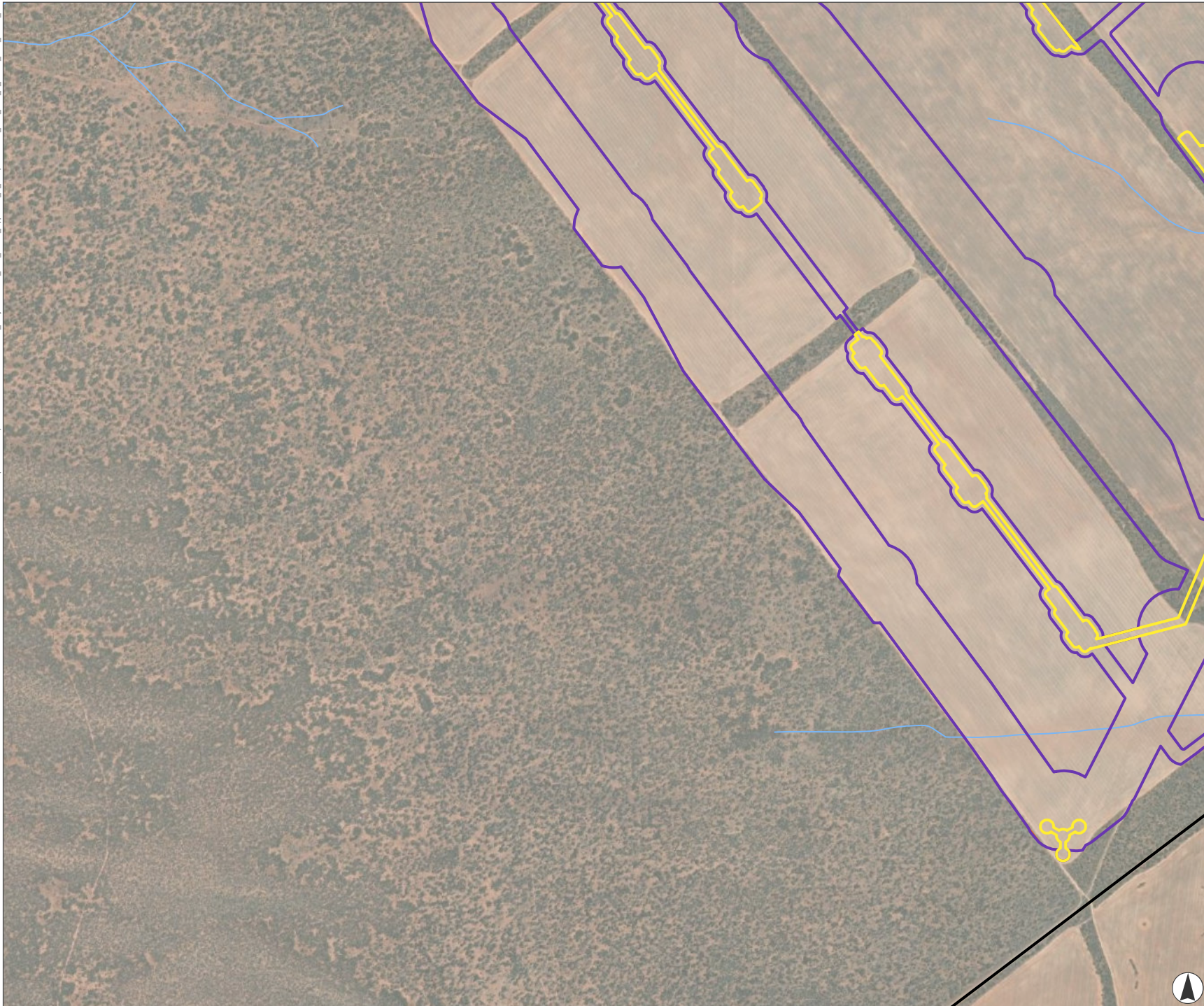


Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



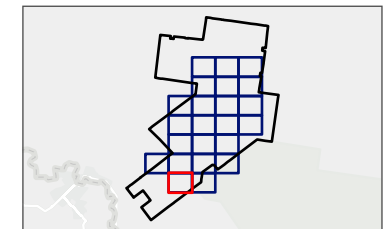
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt





**FIGURE 4.3.22**  
**Distribution of Threatened Ecological Communities listed under EPBC Act across the Biodiversity Study Area**

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
- Threatened Ecological Communities - EPBC Act**
- Mallee Bird Community of the Murray Darling Depression Bioregion EEC



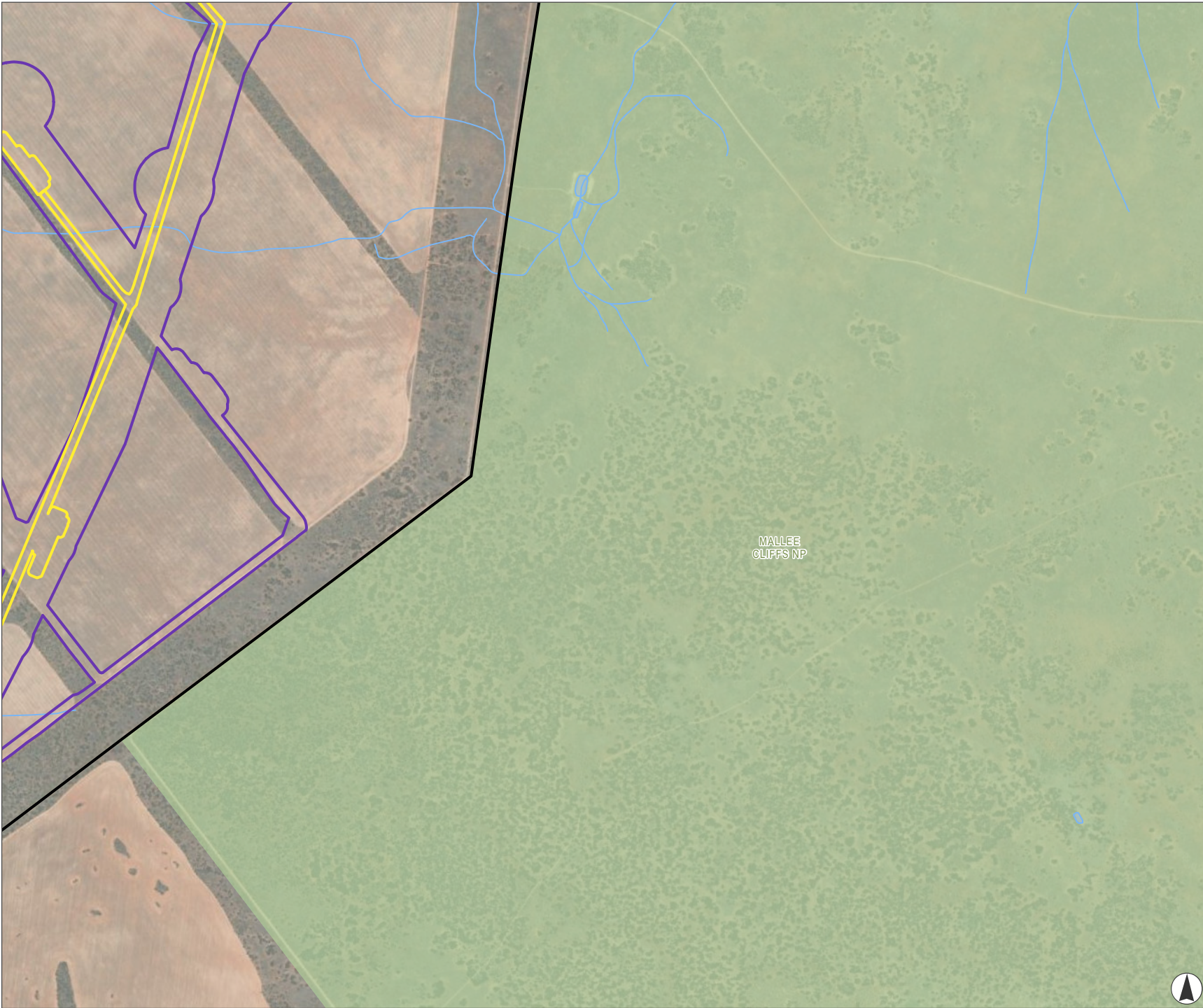
Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

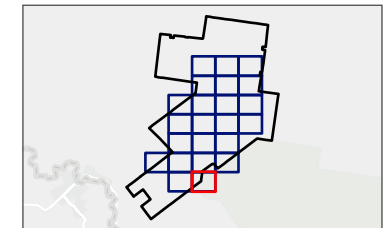


C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03\_S&V\02\_Projects\31894\_R10\_D\AR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0403\_TEC\_EPBC\_DD



**FIGURE 4.3.23**  
**Distribution of Threatened Ecological Communities listed under EPBC Act across the Biodiversity Study Area**

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
  - Waterbody
  - NPWS Estates



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54







This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

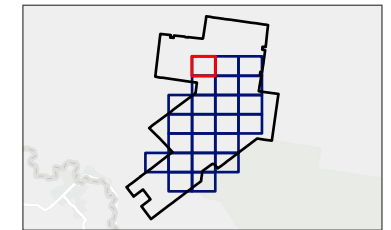




**FIGURE 4.6.1**  
Aerial Photograph  
displaying Tilled Paddocks  
across the Project Area

**Legend**

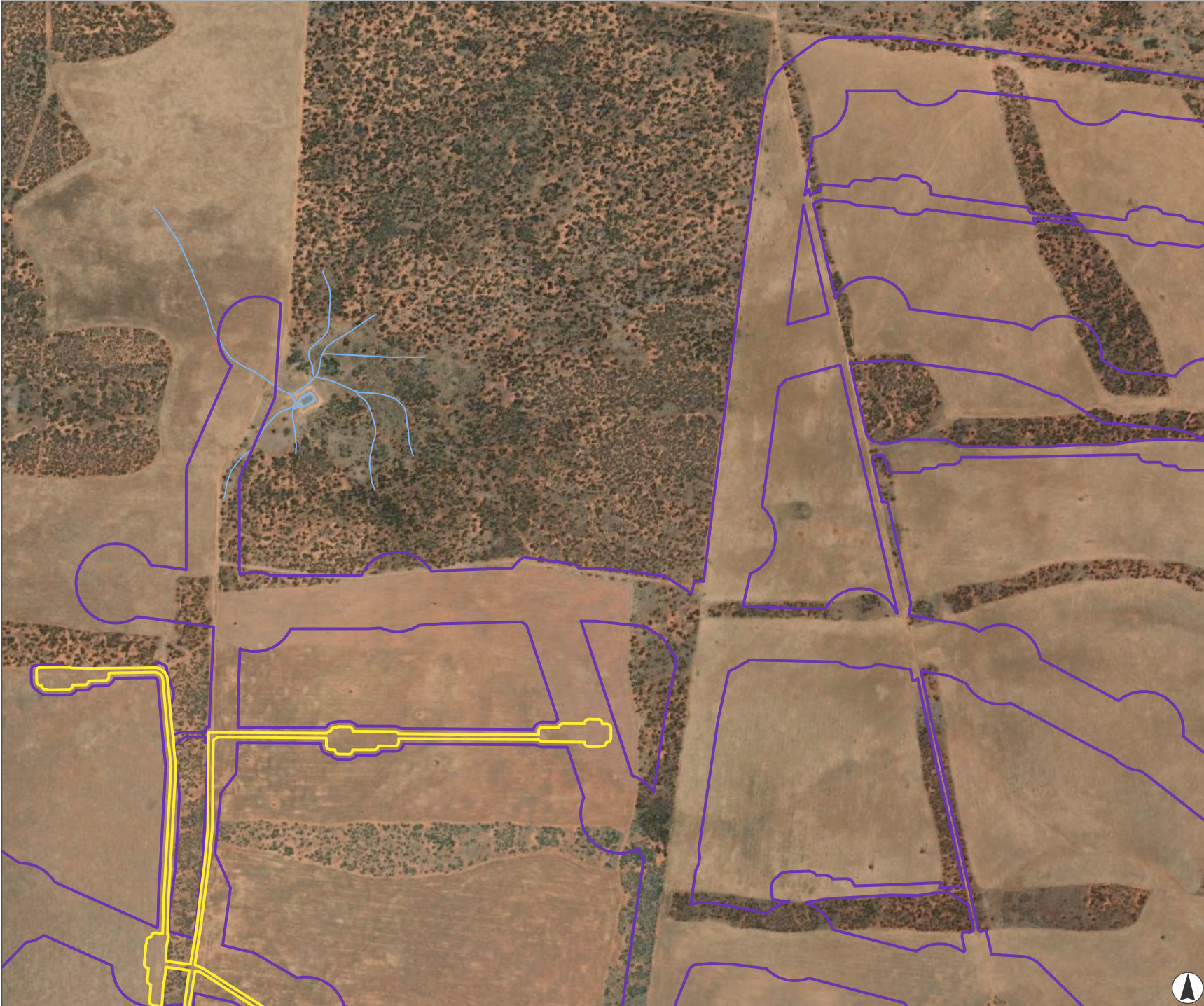
-  Project Boundary
-  Development Footprint
-  Biodiversity Study Area
-  Watercourse








Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54

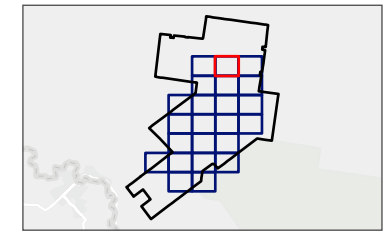


This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt



**FIGURE 4.6.2**  
**Aerial Photograph**  
 displaying Tilled Paddocks  
 across the Project Area

- Legend**
-  Project Boundary
  -  Development Footprint
  -  Biodiversity Study Area
  -  Watercourse
  -  Waterbody



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt







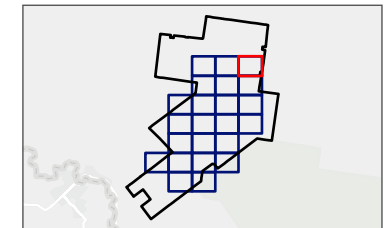
C:\Users\Chelsea.Davies\umwelt\AUSTRALIA\PTV\LTD\31894 - 03 SAV02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_10406\_Titled\_Paddocks\_DD



**FIGURE 4.6.3**  
**Aerial Photograph**  
 displaying Tilled Paddocks  
 across the Project Area

**Legend**

-  Project Boundary
-  Development Footprint
-  Biodiversity Study Area
-  Road
-  Watercourse

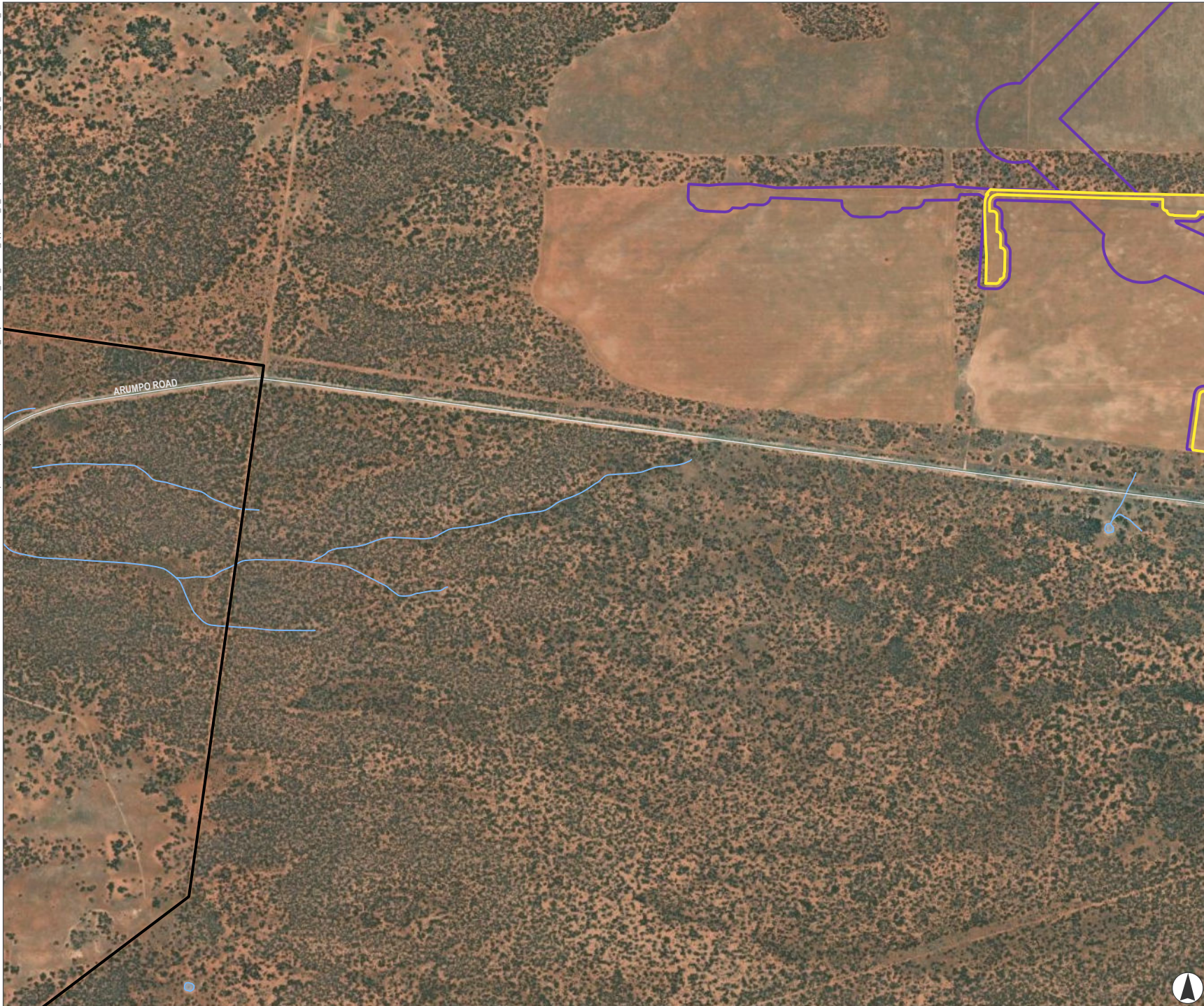


Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



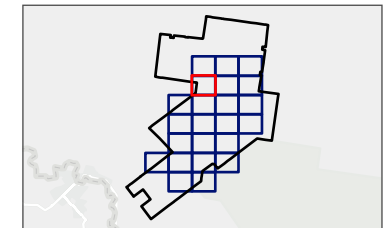
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsea.Davies\umwelt\AUSTRALIA\PTY.LTD\31884 - 03 SAV02\_Projects\31884\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31884\_R10\_APP\_A\_10406\_Tiled\_Paddocks\_DD



**FIGURE 4.6.4**  
**Aerial Photograph**  
 displaying Tilled Paddocks  
 across the Project Area

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Road
  - Watercourse
  - Waterbody



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

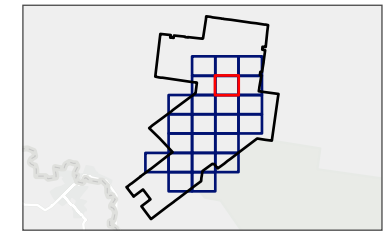


C:\Users\Chelsea.Davies\umwelt\AUSTRALIA\PTY.LTD\31884 - 03.SAVV02\_Projects\31884\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31884\_R10\_APP\_A\_10406\_Titled\_Paddocks\_DD



**FIGURE 4.6.5**  
**Aerial Photograph**  
 displaying Tilled Paddocks  
 across the Project Area

- Legend**
-  Project Boundary
  -  Development Footprint
  -  Biodiversity Study Area
  -  Road



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54








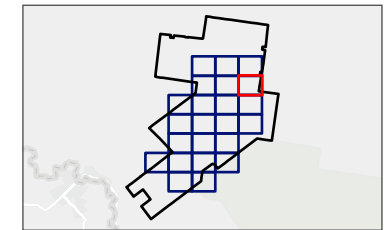
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt



**FIGURE 4.6.6**  
**Aerial Photograph**  
 displaying Tilled Paddocks  
 across the Project Area

**Legend**

-  Project Boundary
-  Development Footprint
-  Biodiversity Study Area
-  Road
-  Watercourse



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt







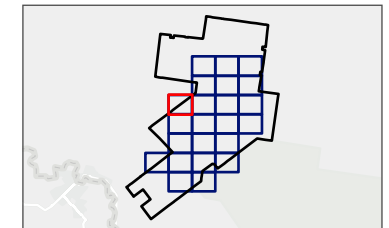
C:\Users\Chelsea.Davies\umwelt\AUSTRALIA\PTV\LTD\31894 - 03 SAV02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_10406\_Tiled\_Paddocks\_DD



**FIGURE 4.6.7**  
Aerial Photograph  
displaying Tilled Paddocks  
across the Project Area

**Legend**

-  Project Boundary
-  Biodiversity Study Area
-  Road
-  Watercourse



Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54








This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

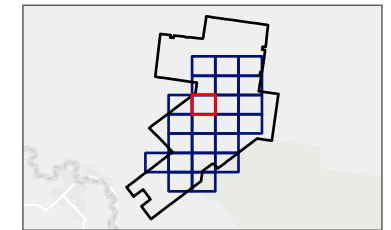




**FIGURE 4.6.8**  
Aerial Photograph  
displaying Tilled Paddocks  
across the Project Area

**Legend**

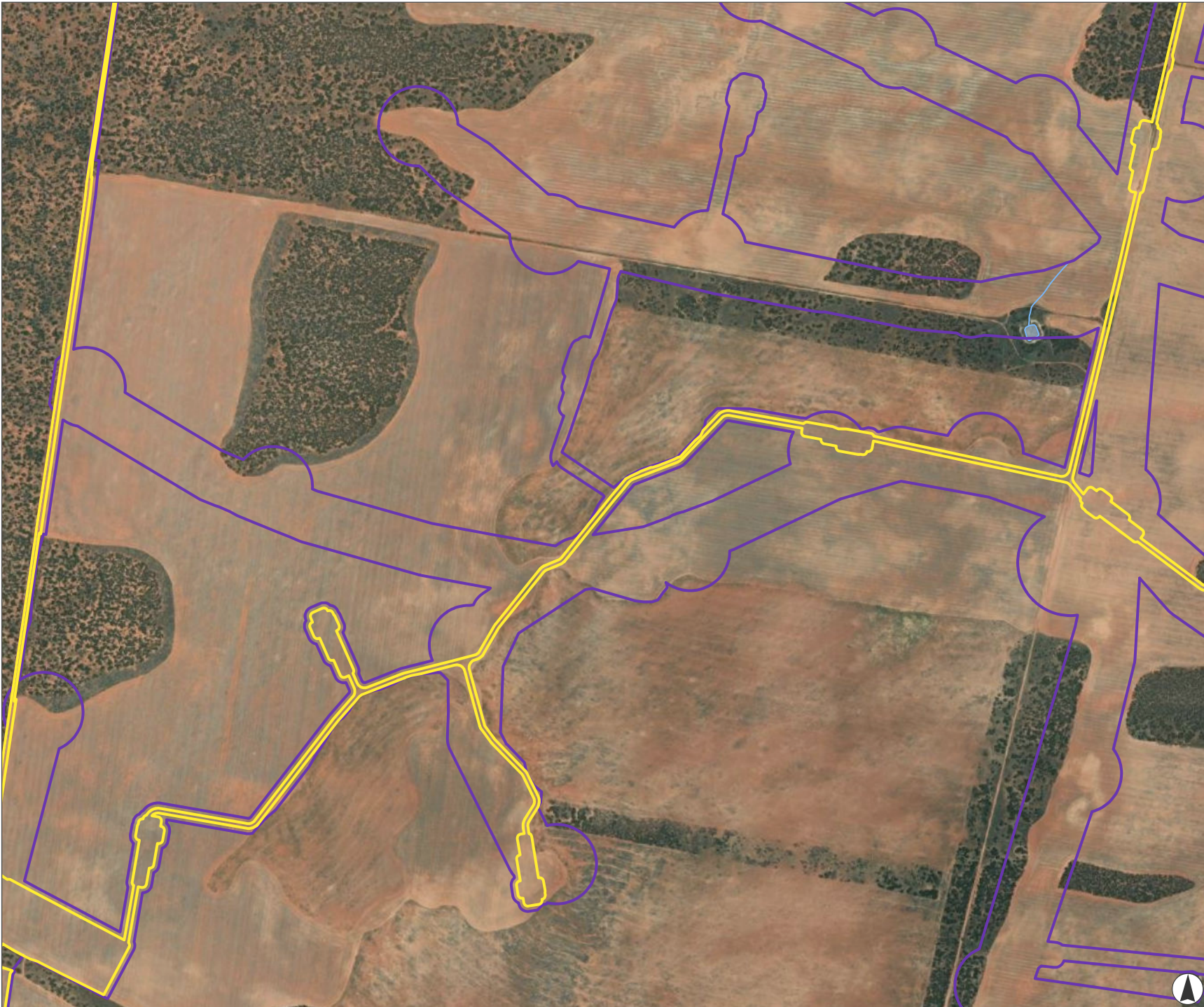
-  Project Boundary
-  Development Footprint
-  Biodiversity Study Area
-  Watercourse
-  Waterbody







Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54

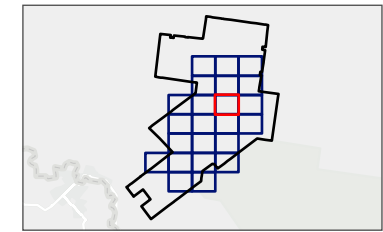


This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt



**FIGURE 4.6.9**  
**Aerial Photograph**  
 displaying Tilled Paddocks  
 across the Project Area

- Legend**
-  Project Boundary
  -  Development Footprint
  -  Biodiversity Study Area
  -  Watercourse
  -  Waterbody



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54







This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

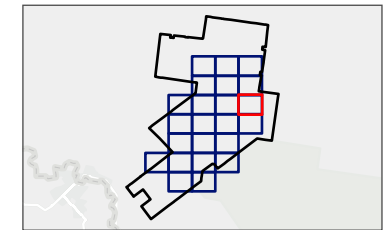
C:\Users\Chelsea.Davies\umwelt\AUSTRALIA\PTY.LTD\31894 - 03 SAVV02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_10406\_Tiled\_Paddocks\_DD



**FIGURE 4.6.10**  
Aerial Photograph  
displaying Tilled Paddocks  
across the Project Area

**Legend**

-  Project Boundary
-  Development Footprint
-  Biodiversity Study Area
-  Waterbody



Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt









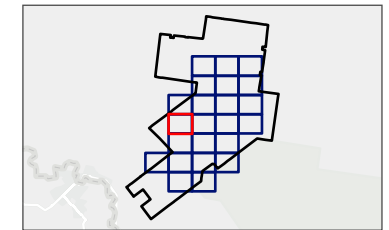
C:\Users\Chelsea.Davies\Umwelt (AUSTRALIA) PTY LTD\31894 - 03 SAVV02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_10406\_Titled\_Paddocks\_DD



**FIGURE 4.6.11**  
Aerial Photograph  
displaying Tilled Paddocks  
across the Project Area

**Legend**

-  Project Boundary
-  Biodiversity Study Area
-  Watercourse
-  Waterbody

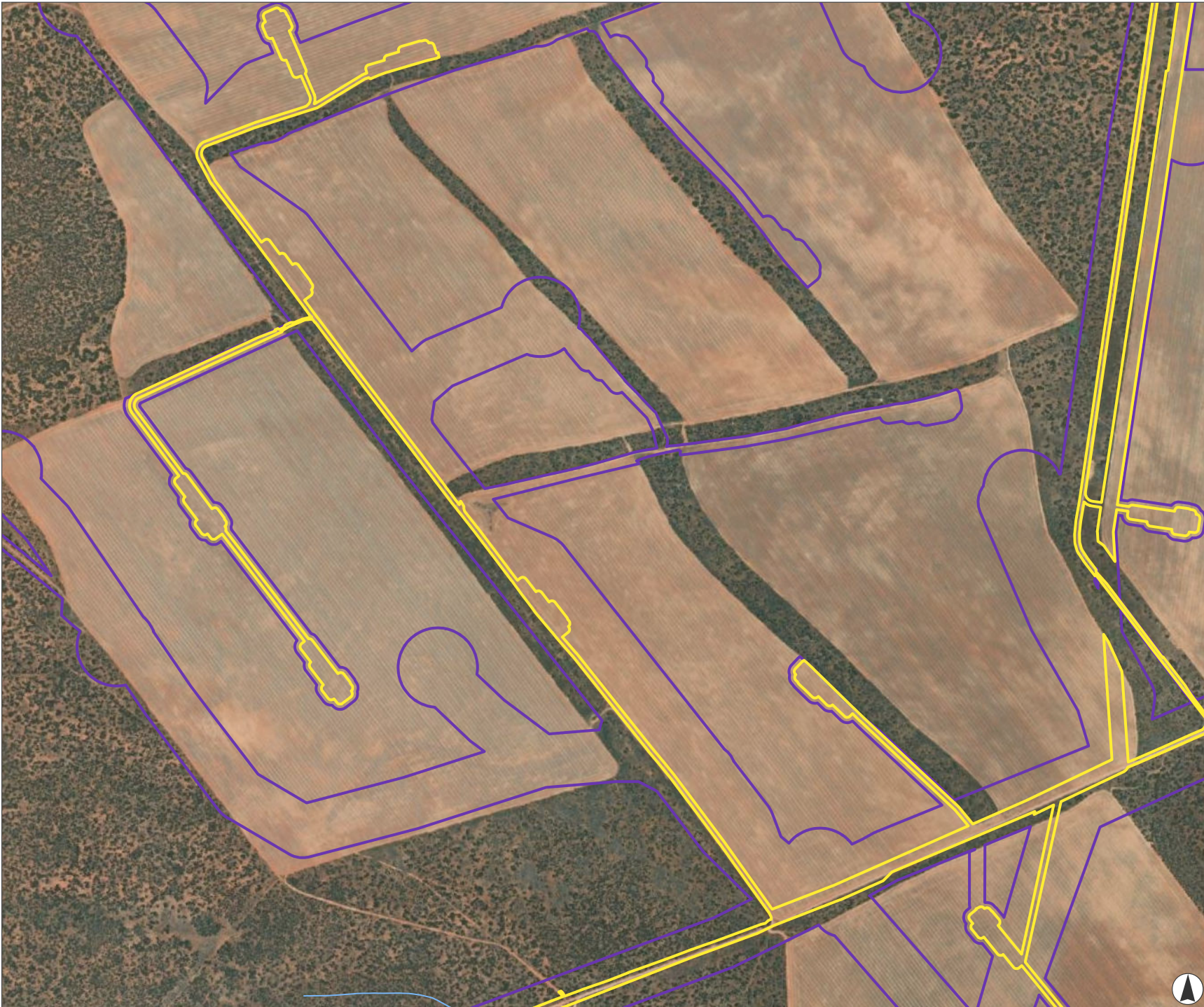


Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



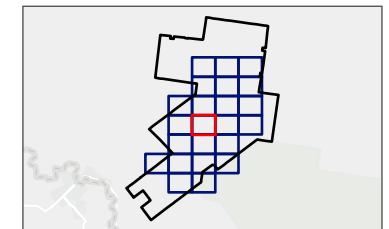
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt





**FIGURE 4.6.12**  
**Aerial Photograph**  
 displaying Tilled Paddocks  
 across the Project Area

- Legend**
-  Project Boundary
  -  Development Footprint
  -  Biodiversity Study Area
  -  Watercourse








Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54

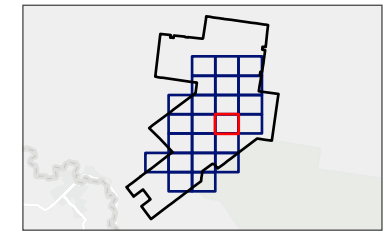


This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt



**FIGURE 4.6.13**  
**Aerial Photograph**  
 displaying Tilled Paddocks  
 across the Project Area

- Legend**
-  Project Boundary
  -  Development Footprint
  -  Biodiversity Study Area
  -  Watercourse
  -  Waterbody



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt





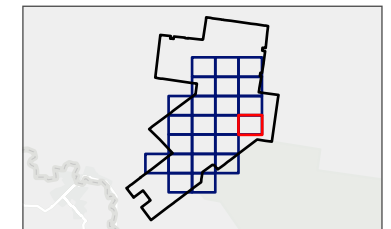
C:\Users\Chelsea.Davies\Umwelt (AUSTRALIA) PTY LTD\31894 - 03 SAV02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_10406\_Tiled\_Paddocks\_DD



**FIGURE 4.6.14**  
Aerial Photograph  
displaying Tilled Paddocks  
across the Project Area

**Legend**

-  Project Boundary
-  Biodiversity Study Area



Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54






This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

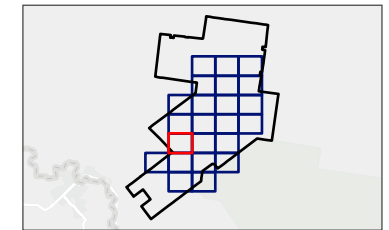




**FIGURE 4.6.15**  
Aerial Photograph  
displaying Tilled Paddocks  
across the Project Area

**Legend**

-  Project Boundary
-  Development Footprint
-  Biodiversity Study Area








Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54

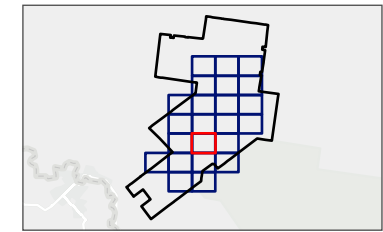


This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt



**FIGURE 4.6.16**  
**Aerial Photograph**  
 displaying Tilled Paddocks  
 across the Project Area

- Legend**
-  Project Boundary
  -  Development Footprint
  -  Biodiversity Study Area
  -  Watercourse
  -  Waterbody



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt



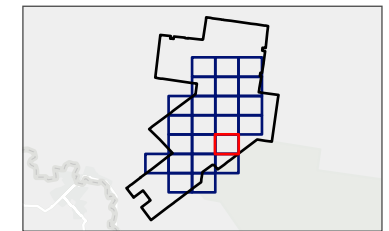
C:\Users\Chelsea.Davies\Umwelt (AUSTRALIA) PTY LTD\31884 - 03 SAV02\_Projects\31884\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31884\_R10\_APP\_A\_10406\_Titled\_Paddocks\_DD



**FIGURE 4.6.17**  
Aerial Photograph  
displaying Tilled Paddocks  
across the Project Area

**Legend**

-  Project Boundary
-  Development Footprint
-  Biodiversity Study Area
-  Watercourse
-  Waterbody
-  NPWS Estates

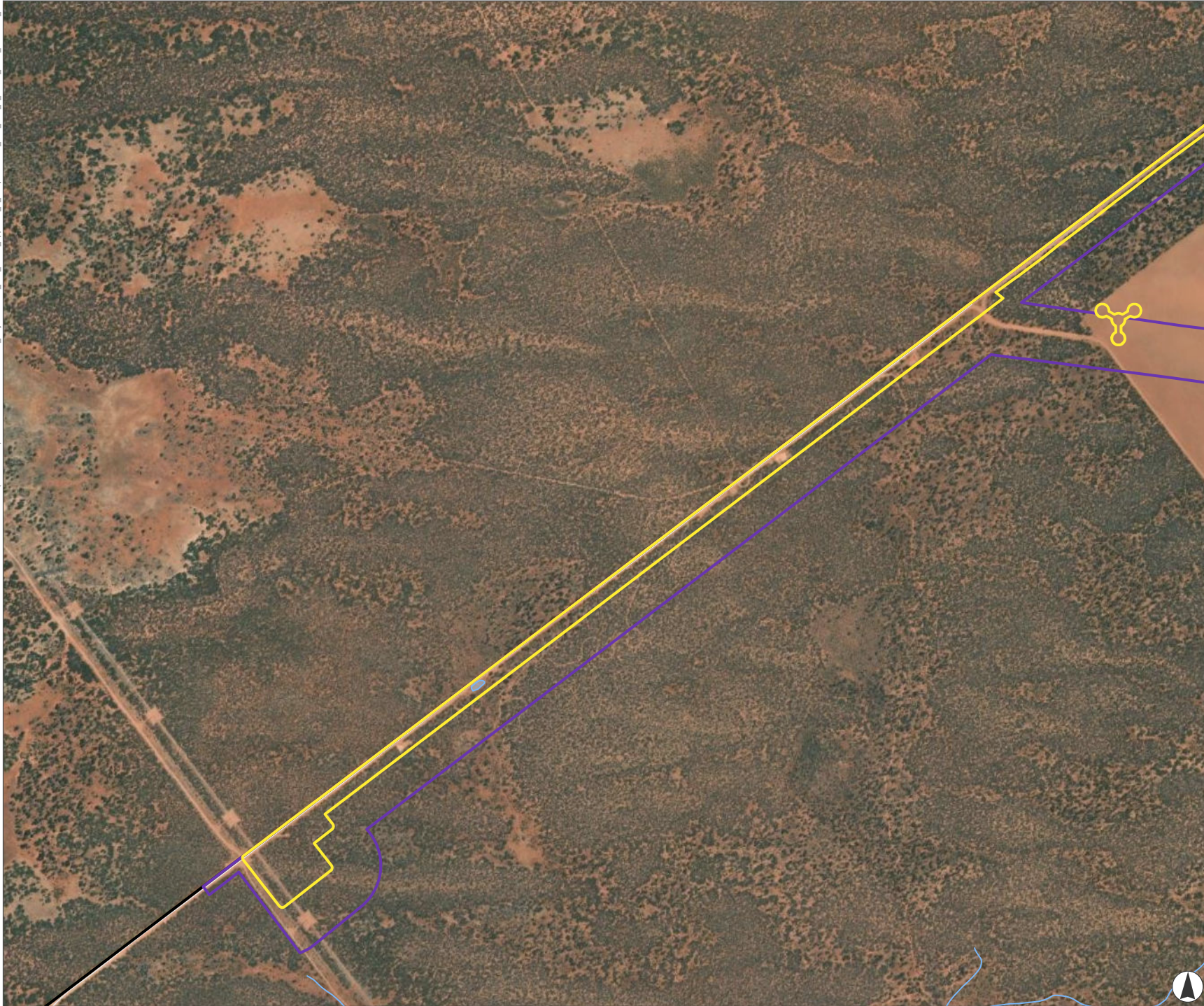


Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54





This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

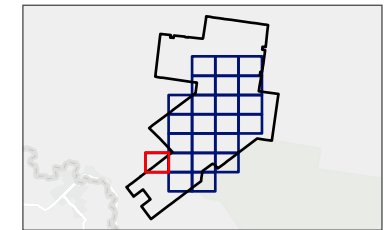




**FIGURE 4.6.18**  
Aerial Photograph  
displaying Tilled Paddocks  
across the Project Area

**Legend**

-  Project Boundary
-  Development Footprint
-  Biodiversity Study Area
-  Road
-  Watercourse
-  Waterbody



Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt







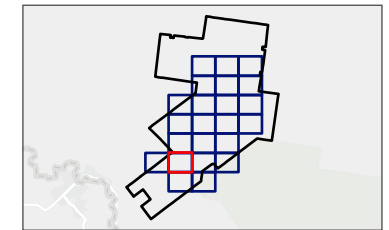
C:\Users\Chelsea.Davies\Umwelt (AUSTRALIA) PTY LTD\31894 - 03 SAVV02\_Projects\31894\_R10\_BDAP\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_10406\_Titled\_Paddocks\_DD



**FIGURE 4.6.19**  
Aerial Photograph  
displaying Tilled Paddocks  
across the Project Area

**Legend**

-  Project Boundary
-  Development Footprint
-  Biodiversity Study Area
-  Watercourse

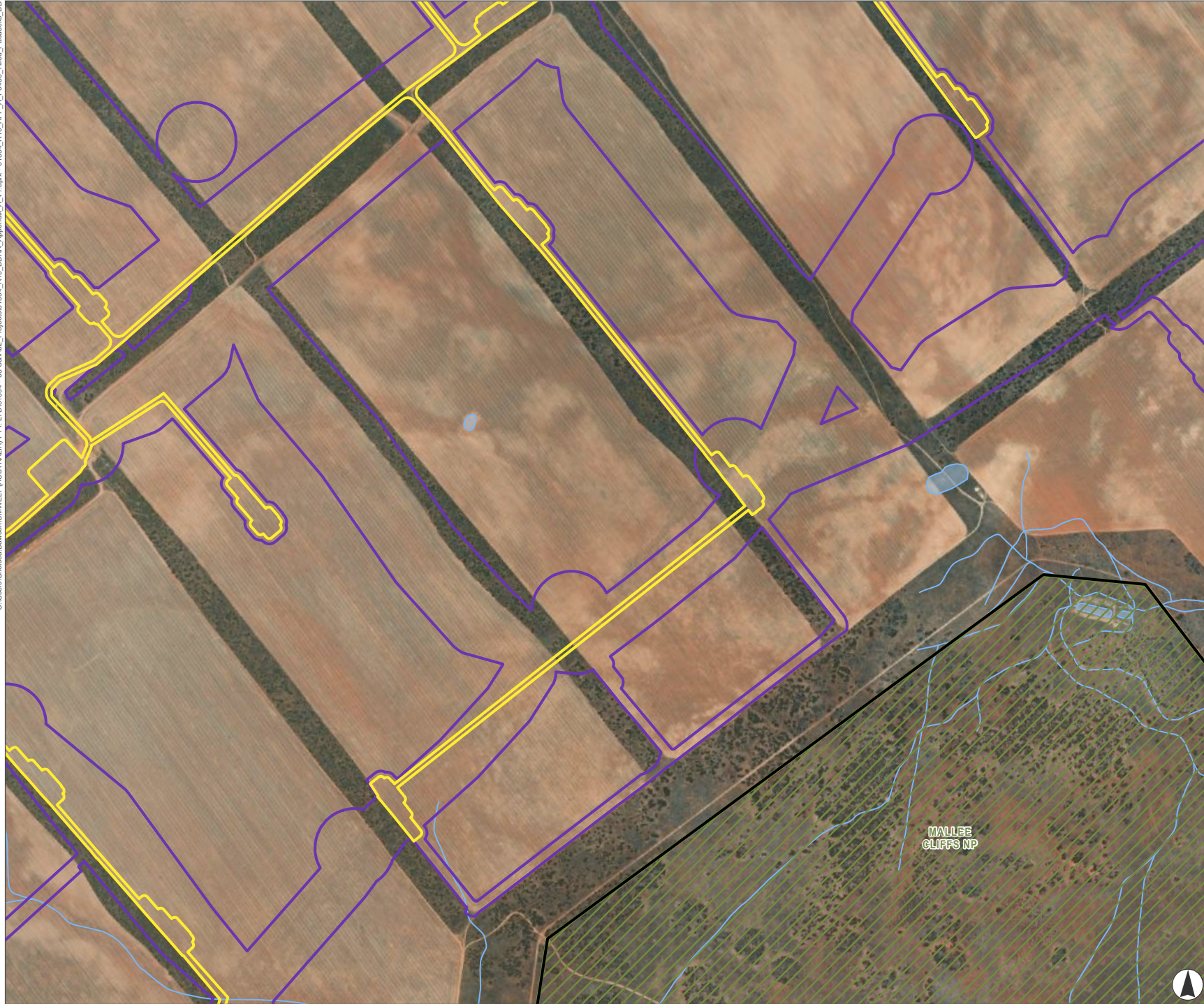


Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54









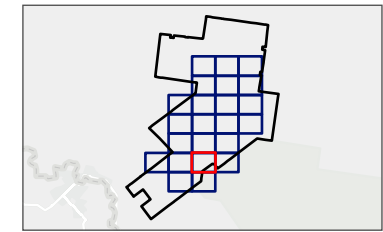
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt





**FIGURE 4.6.20**  
**Aerial Photograph**  
 displaying Tilled Paddocks  
 across the Project Area

- Legend**
-  Project Boundary
  -  Development Footprint
  -  Biodiversity Study Area
  -  Watercourse
  -  Waterbody
  -  NPWS Estates



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

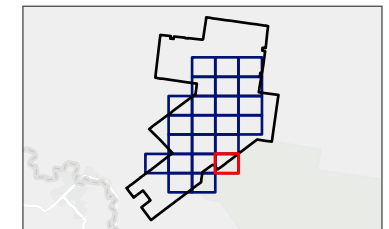
C:\Users\Chelsea.Davies\Umwelt (AUSTRALIA) PTY LTD\31894 - 03 SAV02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_10406\_Titled\_Paddocks\_DD



**FIGURE 4.6.21**  
Aerial Photograph  
displaying Tilled Paddocks  
across the Project Area

**Legend**

-  Project Boundary
-  Development Footprint
-  Biodiversity Study Area
-  Watercourse
-  NPWS Estates



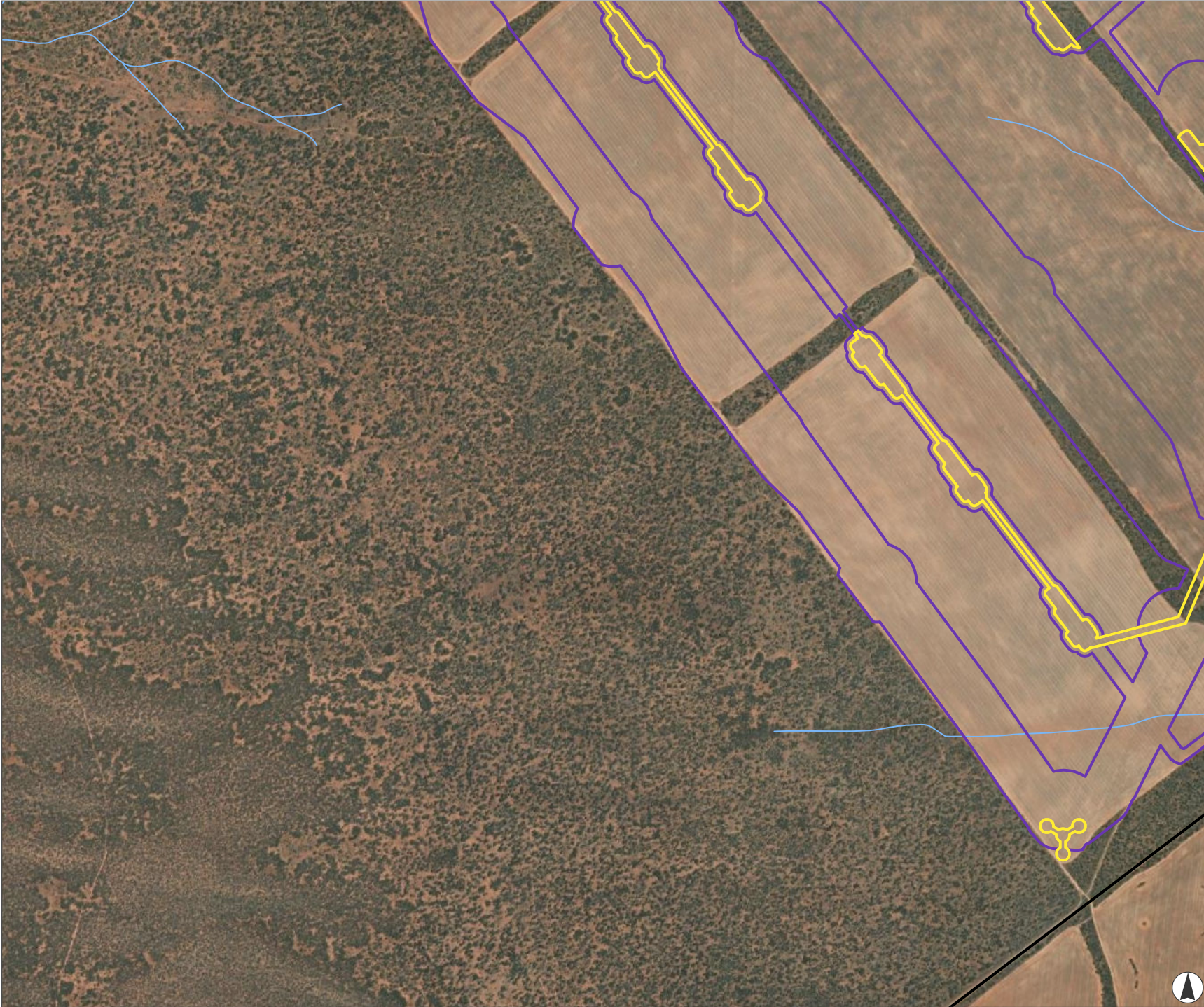
Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54







This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

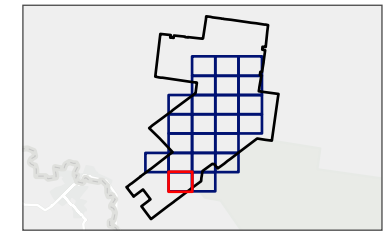


C:\Users\Chelsea.Davies\Umwelt (AUSTRALIA) PTY LTD\31884 - 03 SAVV02\_Projects\31884\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31884\_R10\_APP\_A\_10406\_Titled\_Paddocks\_DD



**FIGURE 4.6.22**  
**Aerial Photograph**  
 displaying Tilled Paddocks  
 across the Project Area

- Legend**
-  Project Boundary
  -  Development Footprint
  -  Biodiversity Study Area
  -  Watercourse



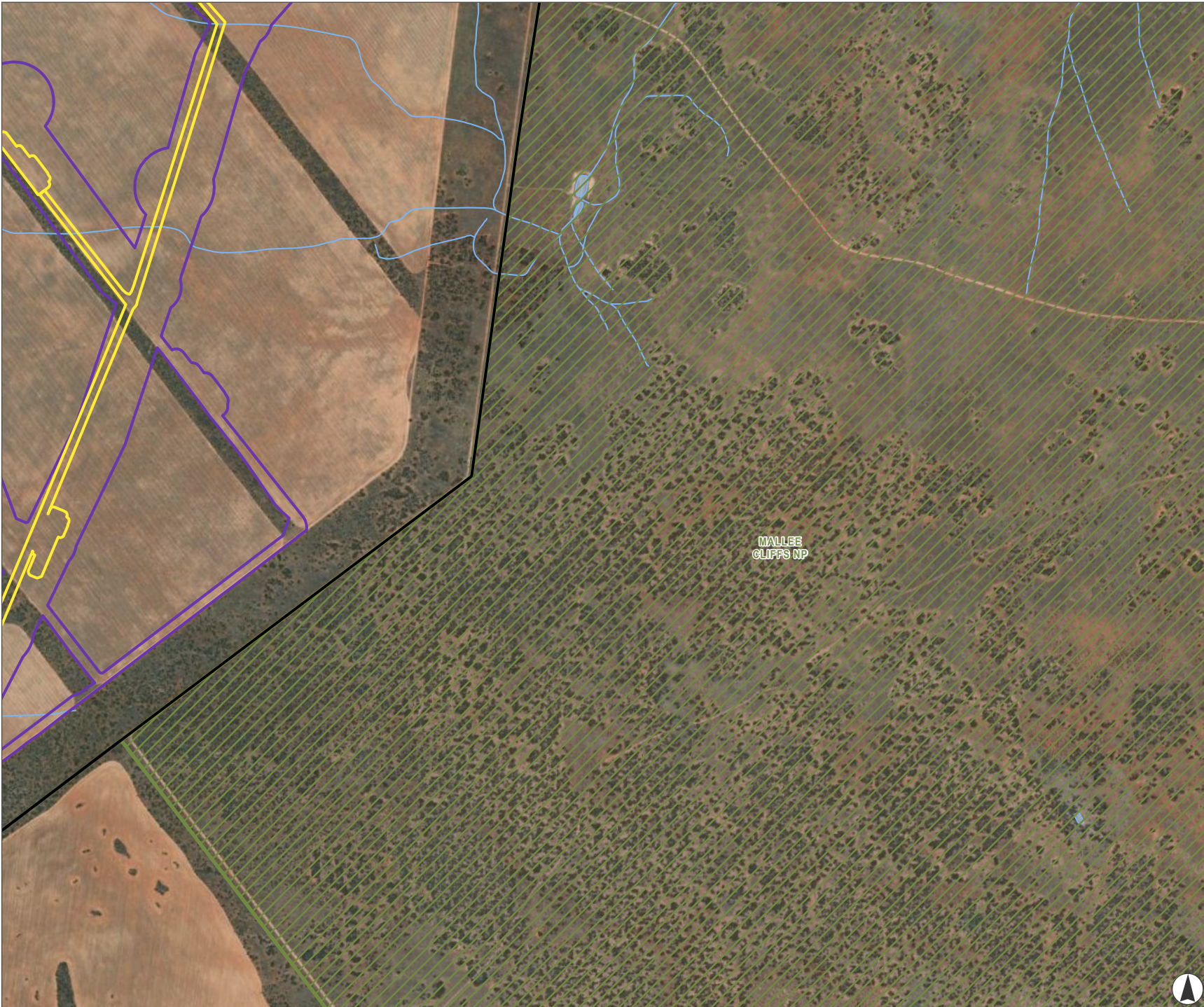
Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt



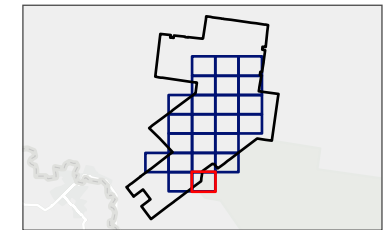
C:\Users\Chelsea.Davies\umwelt\AUSTRALIA\PTY.LTD\31894 - 03 SAV02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_10406\_Titled\_Paddocks\_DD



**FIGURE 4.6.23**  
Aerial Photograph  
displaying Tilled Paddocks  
across the Project Area

**Legend**

-  Project Boundary
-  Development Footprint
-  Biodiversity Study Area
-  Watercourse
-  Waterbody
-  NPWS Estates



Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54







This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

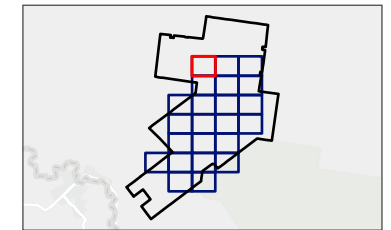




**FIGURE 5.3.1**  
**Habitat Values Present**  
**within the Biodiversity**  
**Study Area and Project**  
**Area**

**Legend**

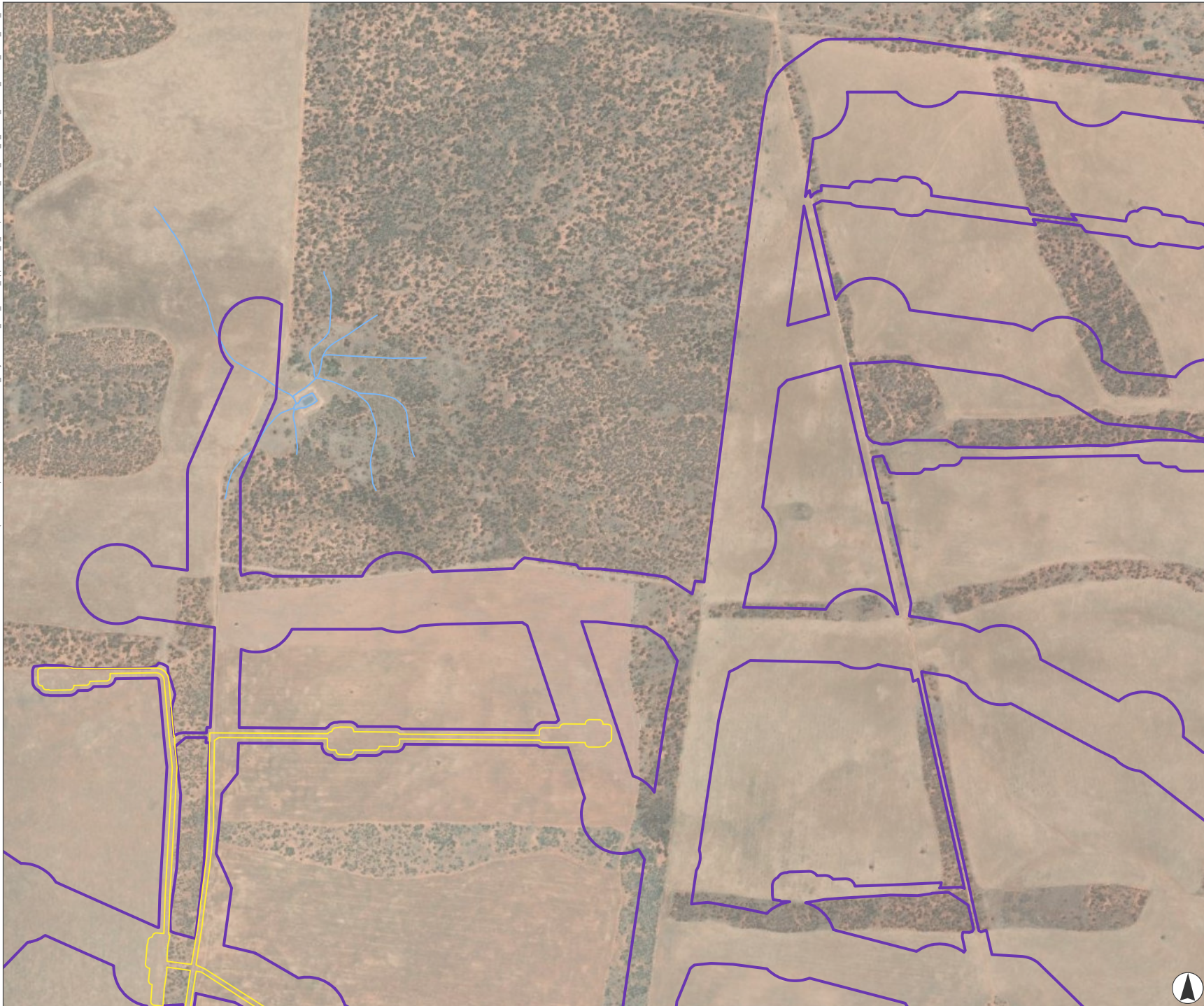
-  Project Boundary
-  Development Footprint
-  Biodiversity Study Area
-  Watercourse



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54

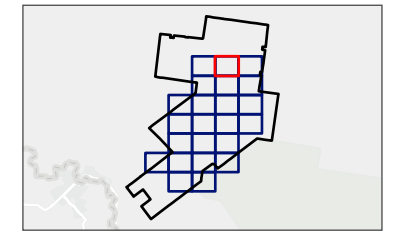


This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt



**FIGURE 5.3.2**  
Habitat Values Present within the Biodiversity Study Area and Project Area

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
  - Waterbody



Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54








This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

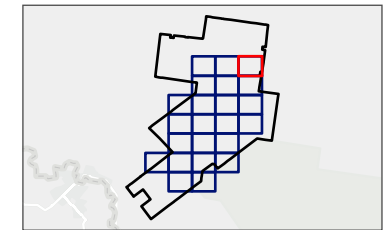




**FIGURE 5.3.3**  
**Habitat Values Present**  
**within the Biodiversity**  
**Study Area and Project**  
**Area**

**Legend**

-  Project Boundary
-  Development Footprint
-  Biodiversity Study Area
-  Road
-  Watercourse

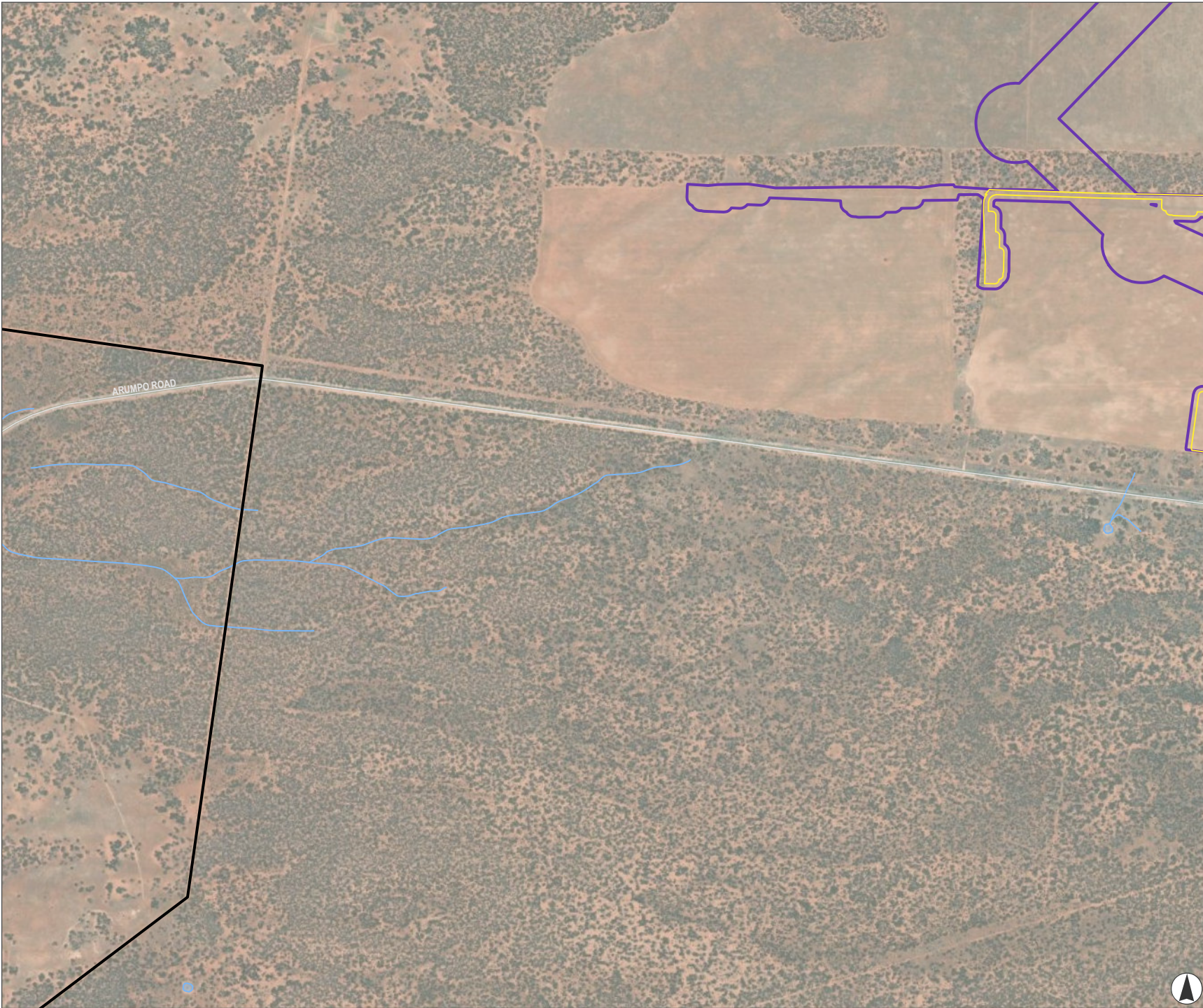


Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



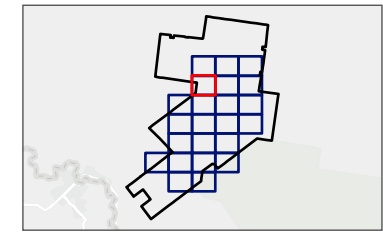
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt





**FIGURE 5.3.4**  
**Habitat Values Present**  
**within the Biodiversity**  
**Study Area and Project**  
**Area**

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Road
  - Watercourse
  - Waterbody



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

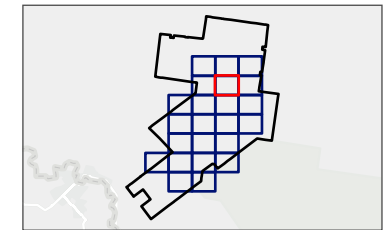




**FIGURE 5.3.5**  
**Habitat Values Present**  
**within the Biodiversity**  
**Study Area and Project**  
**Area**

**Legend**

-  Project Boundary
-  Development Footprint
-  Biodiversity Study Area
-  Road



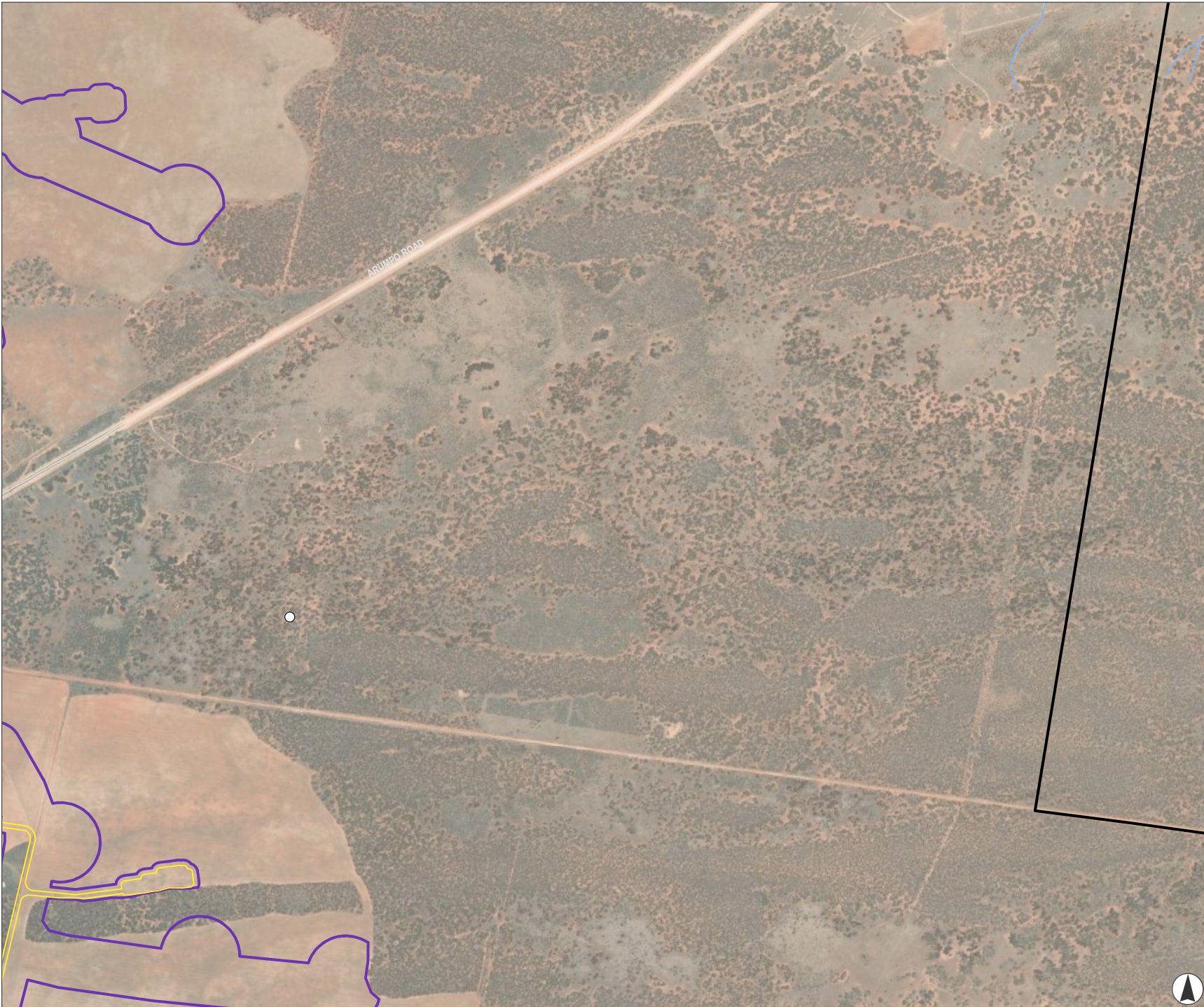
Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt








C:\Users\Chelsea.Dawson\UMWELT (AUSTRALIA) PTY. LTD\31894 - 03 S&W02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0503\_Habitat\_Values\_within\_BSA\_DD




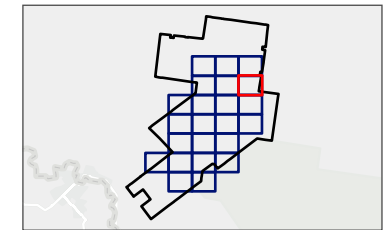
**FIGURE 5.3.6**  
**Habitat Values Present within the Biodiversity Study Area and Project Area**

**Legend**

-  Project Boundary
-  Development Footprint
-  Biodiversity Study Area
-  Road
-  Watercourse

**Habitat Features**

-  Stick Nest - unoccupied

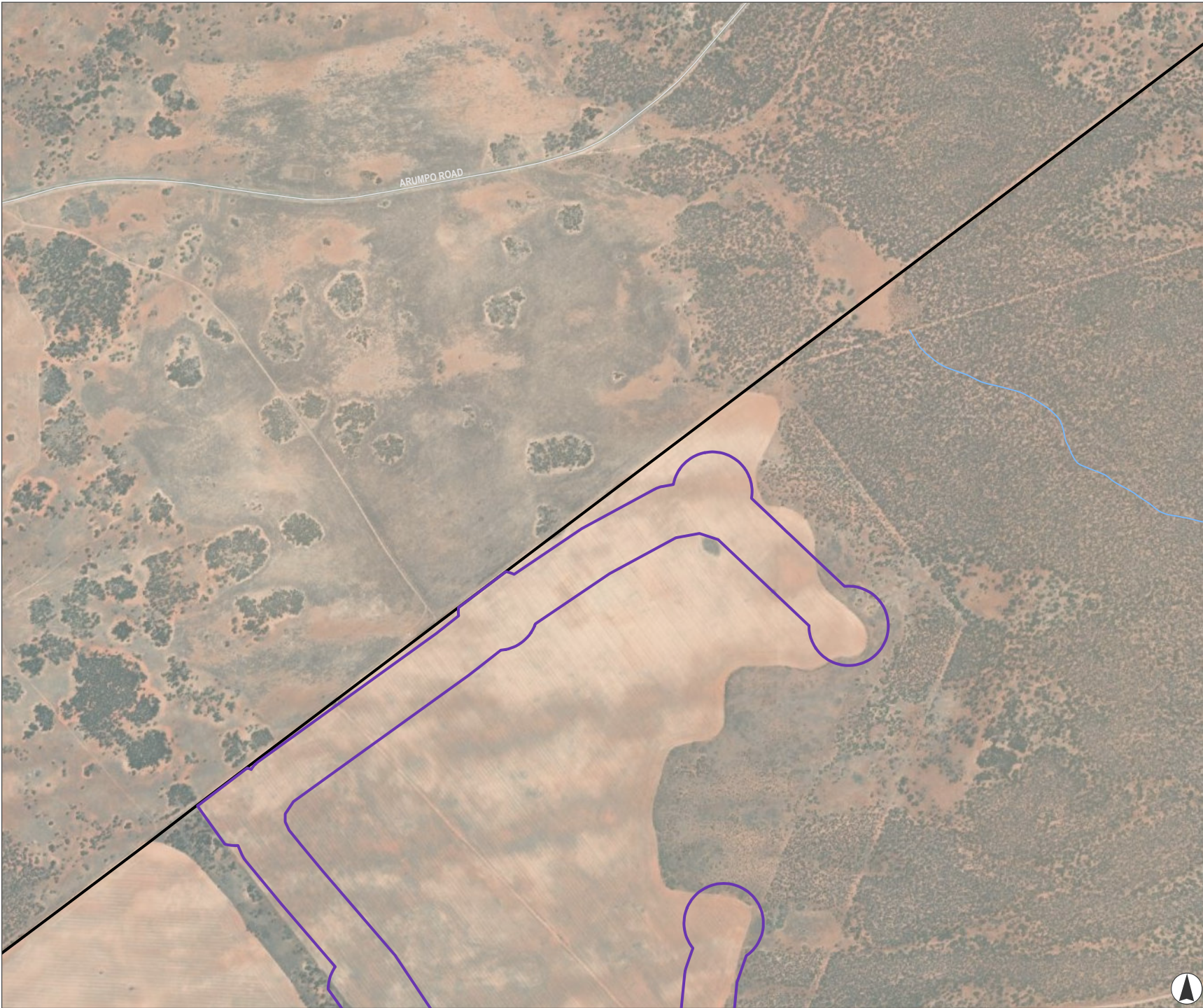


Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54







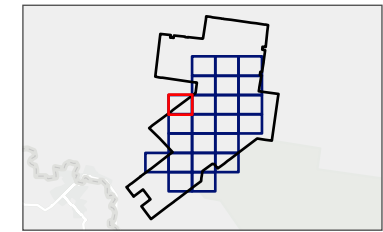
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt





**FIGURE 5.3.7**  
**Habitat Values Present**  
**within the Biodiversity**  
**Study Area and Project**  
**Area**

- Legend**
-  Project Boundary
  -  Biodiversity Study Area
  -  Road
  -  Watercourse



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54








This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

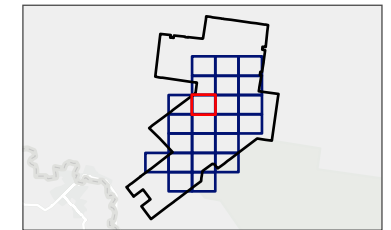




**FIGURE 5.3.8**  
**Habitat Values Present**  
**within the Biodiversity**  
**Study Area and Project**  
**Area**

**Legend**

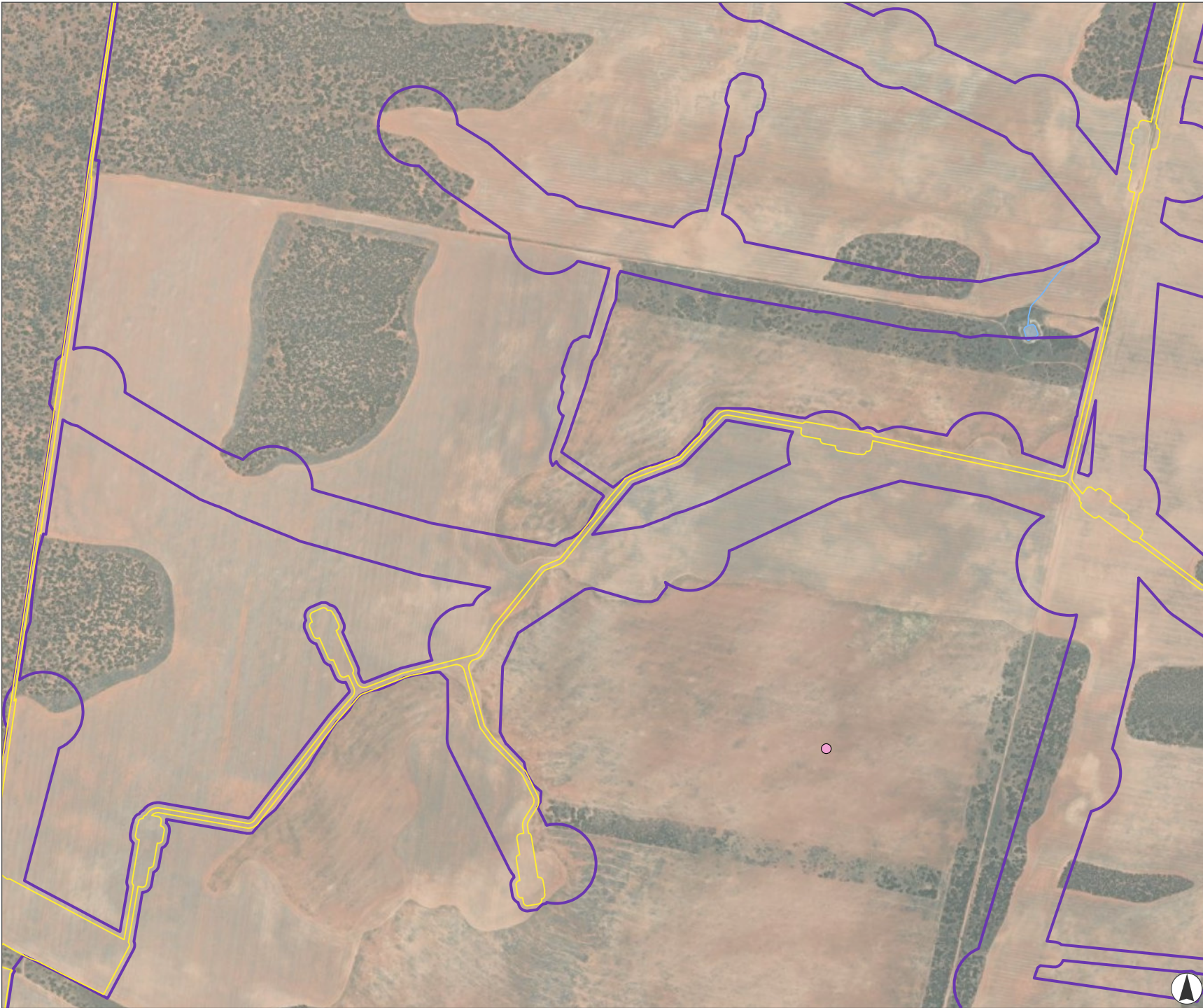
-  Project Boundary
-  Development Footprint
-  Biodiversity Study Area
-  Watercourse
-  Waterbody



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54

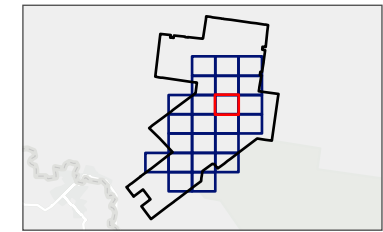


This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt



**FIGURE 5.3.9**  
**Habitat Values Present within the Biodiversity Study Area and Project Area**

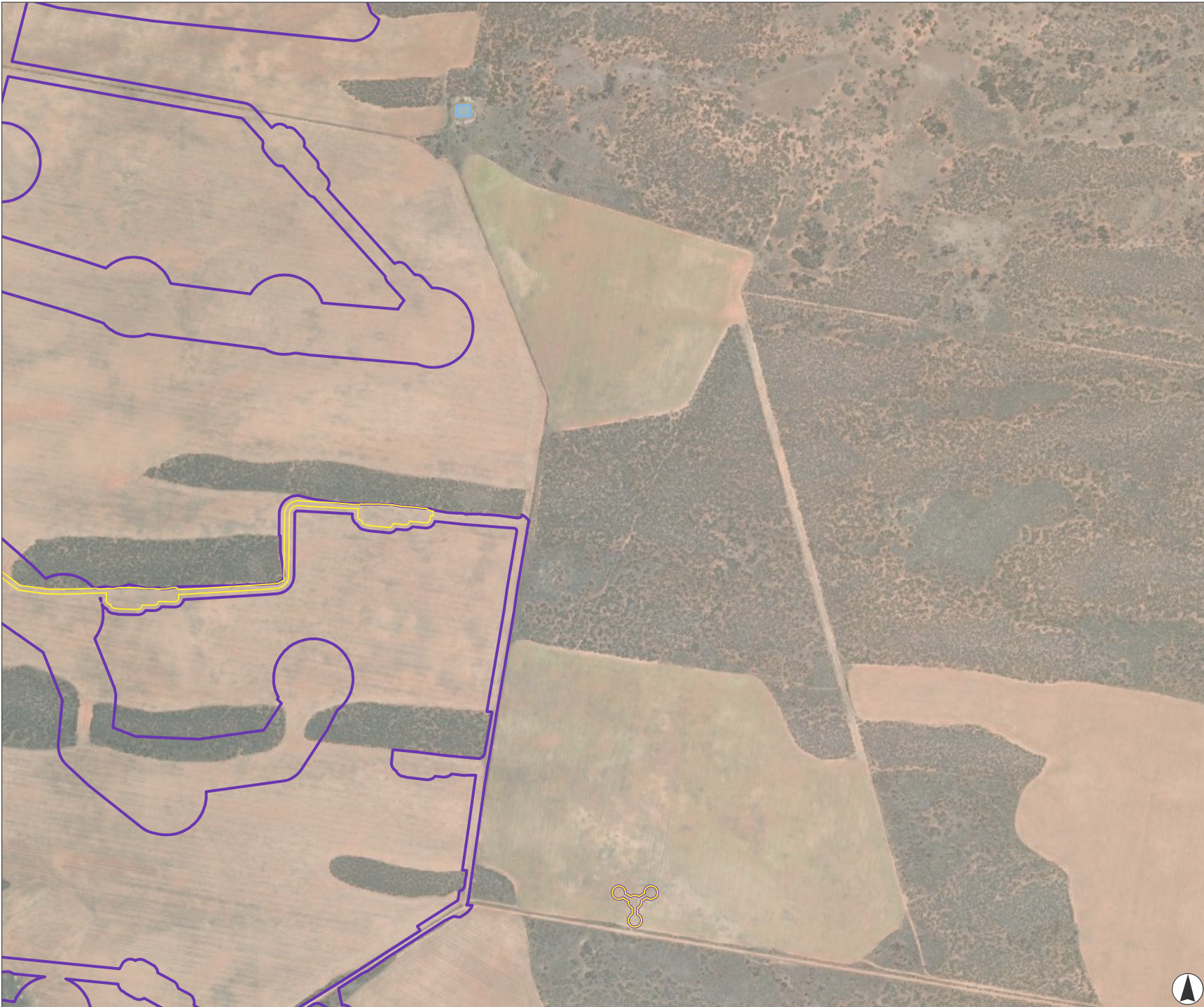
- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
  - Waterbody
- Habitat Features**
- Wedge-tailed Eagle Stick nest - active until spring 2024 (tree fallen over)



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54

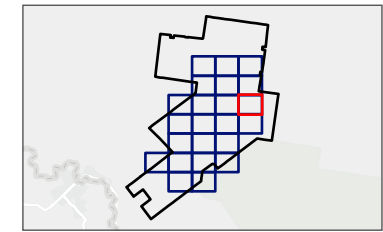


This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt



**FIGURE 5.3.10**  
**Habitat Values Present within the Biodiversity Study Area and Project Area**

- Legend**
-  Project Boundary
  -  Development Footprint
  -  Biodiversity Study Area
  -  Waterbody



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54









This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

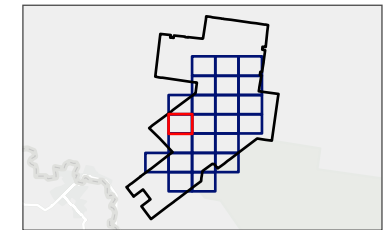




**FIGURE 5.3.11**  
**Habitat Values Present within the Biodiversity Study Area and Project Area**

**Legend**

-  Project Boundary
-  Biodiversity Study Area
-  Watercourse
-  Waterbody
- Habitat Features**
-  Hollow Bearing Tree
-  Stick Nest (likely raptor) - unoccupied

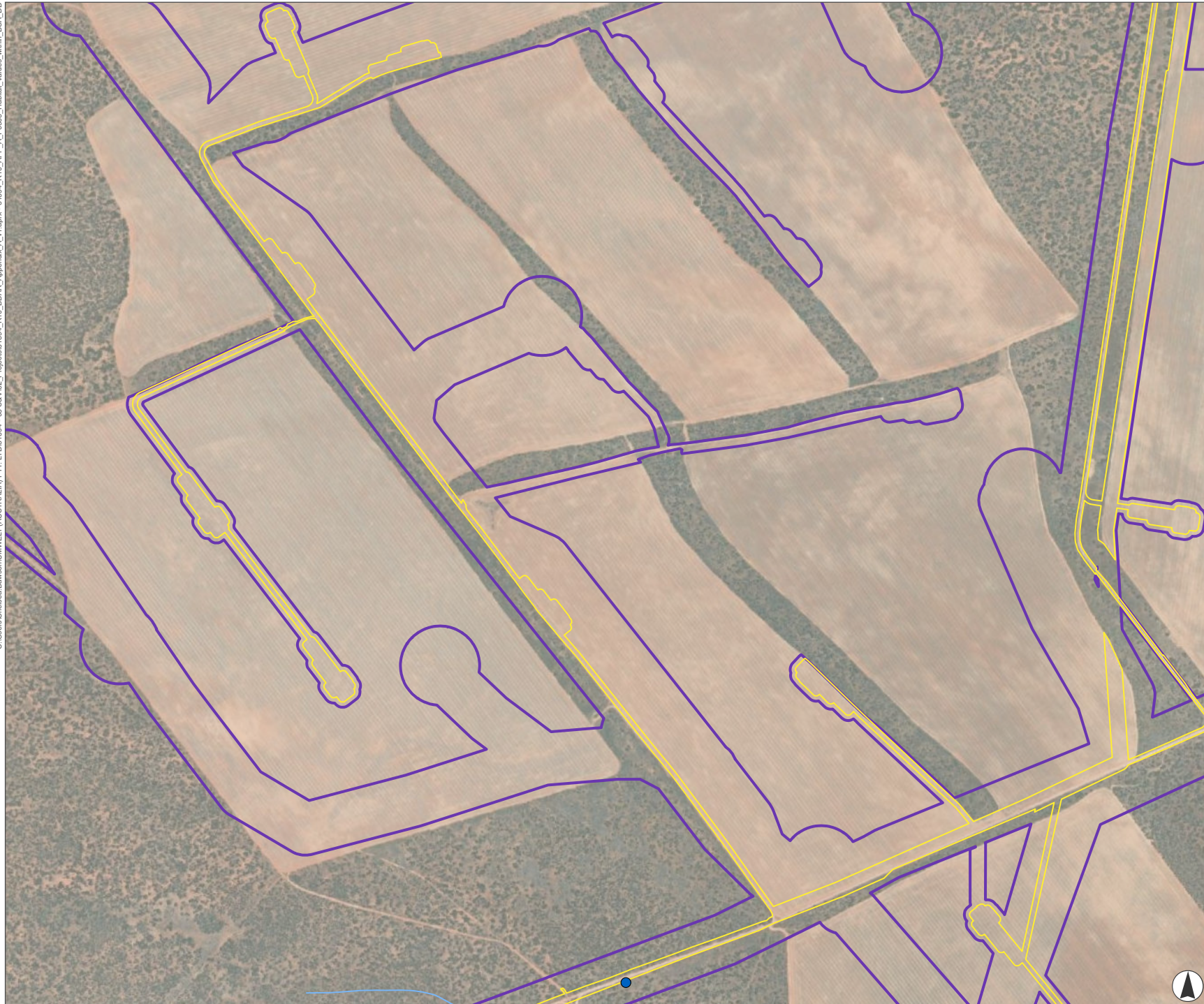


Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54








This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

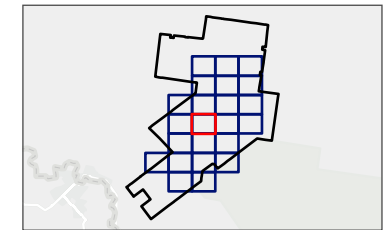




**FIGURE 5.3.12**  
Habitat Values Present within the Biodiversity Study Area and Project Area

**Legend**

-  Project Boundary
-  Development Footprint
-  Biodiversity Study Area
-  Watercourse
- Habitat Features**
-  Stick Nest (likely raptor) - unoccupied

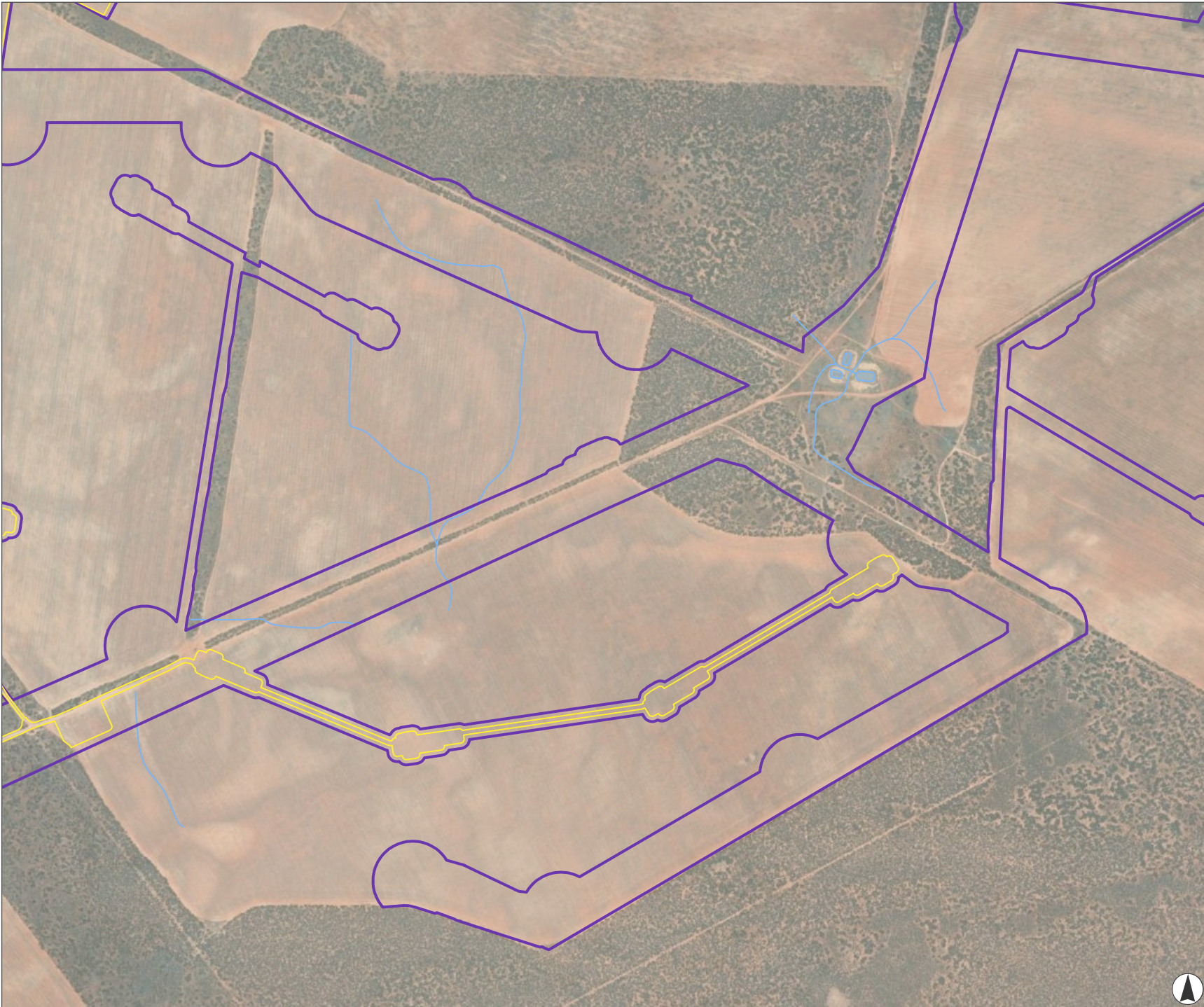


Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54








This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

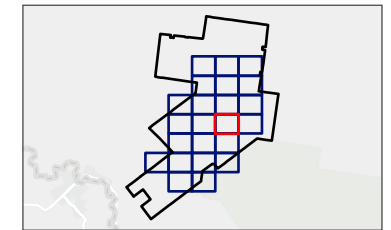
C:\Users\Chelsea.Dawson\UMWELT (AUSTRALIA) PTY. LTD\31894 - 03 S&W02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0503\_Habitat\_Values\_within\_BSA\_DD



**FIGURE 5.3.13**  
**Habitat Values Present**  
**within the Biodiversity**  
**Study Area and Project**  
**Area**

**Legend**

-  Project Boundary
-  Development Footprint
-  Biodiversity Study Area
-  Watercourse
-  Waterbody



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt





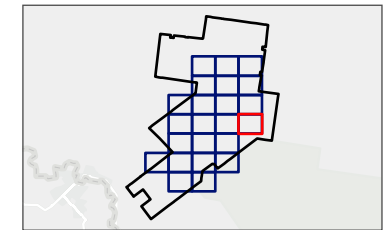
C:\Users\Chelsea.Dawson\UMWELT (AUSTRALIA) PTY. LTD\31894 - 03 S&W02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0503\_Habitat\_Values\_within\_BSA\_DD



**FIGURE 5.3.14**  
Habitat Values Present within the Biodiversity Study Area and Project Area

**Legend**

-  Project Boundary
-  Biodiversity Study Area

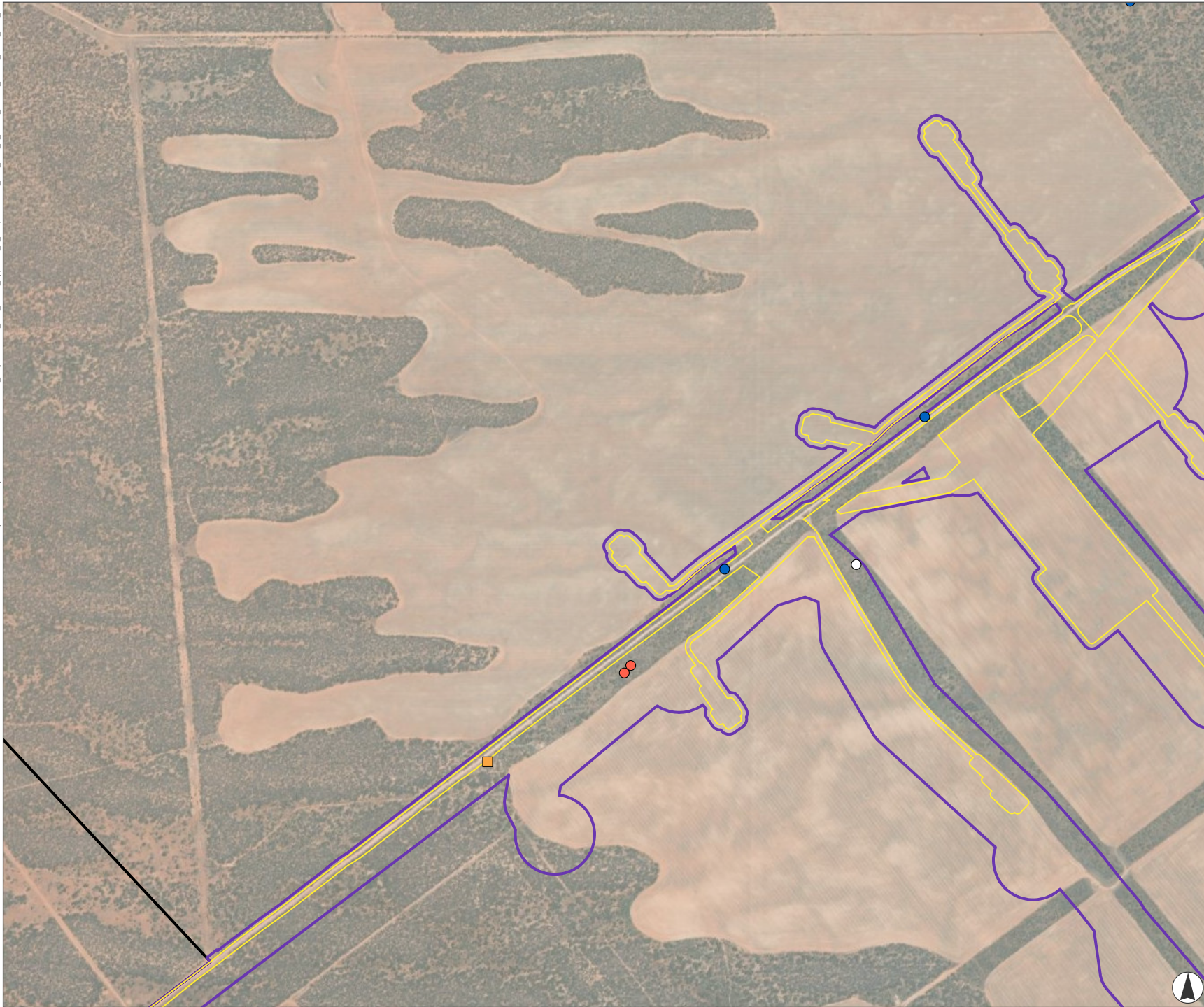


Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt





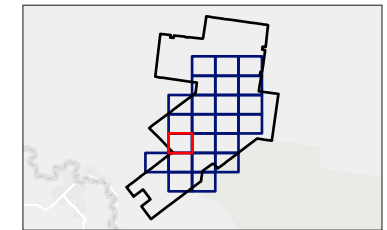
**FIGURE 5.3.15**  
Habitat Values Present within the Biodiversity Study Area and Project Area

**Legend**

- Project Boundary
- Development Footprint
- Biodiversity Study Area

**Habitat Features**

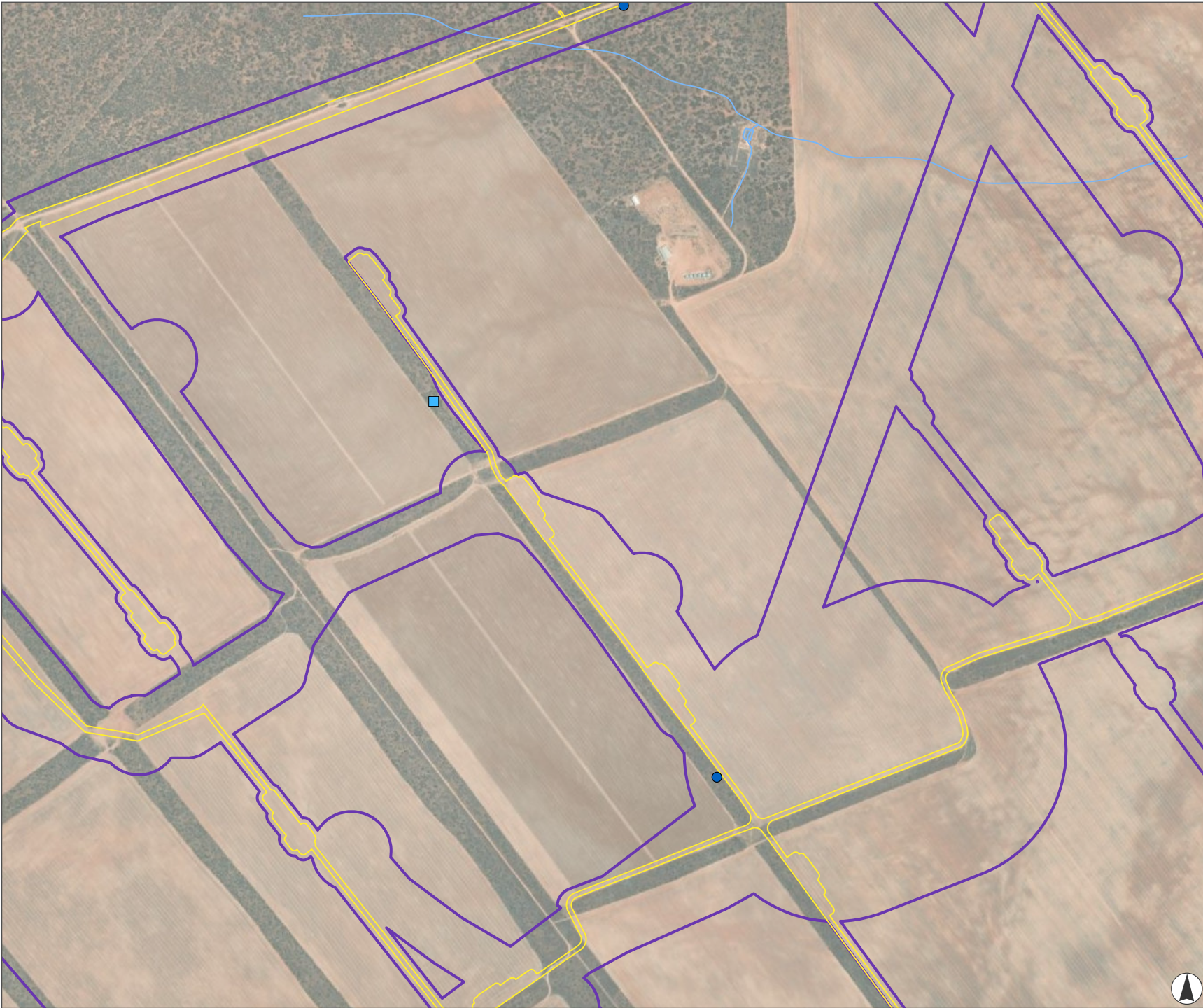
- Hollow Bearing Tree
- Stick Nest (likely raptor) - unoccupied
- Stick Nest (likely raven) - unoccupied
- Stick Nest - unoccupied



Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54

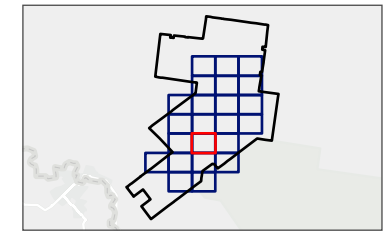


This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt



**FIGURE 5.3.16**  
**Habitat Values Present within the Biodiversity Study Area and Project Area**

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
  - Waterbody
- Habitat Features**
- Burrow - inactive
  - Stick Nest (likely raptor) - unoccupied



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt









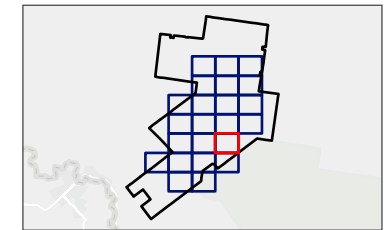
C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 S&W02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0503\_Habitat\_Values\_within\_BSA\_DD



**FIGURE 5.3.17**  
**Habitat Values Present**  
**within the Biodiversity**  
**Study Area and Project**  
**Area**

**Legend**

-  Project Boundary
-  Development Footprint
-  Biodiversity Study Area
-  Watercourse
-  Waterbody
-  NPWS Estates

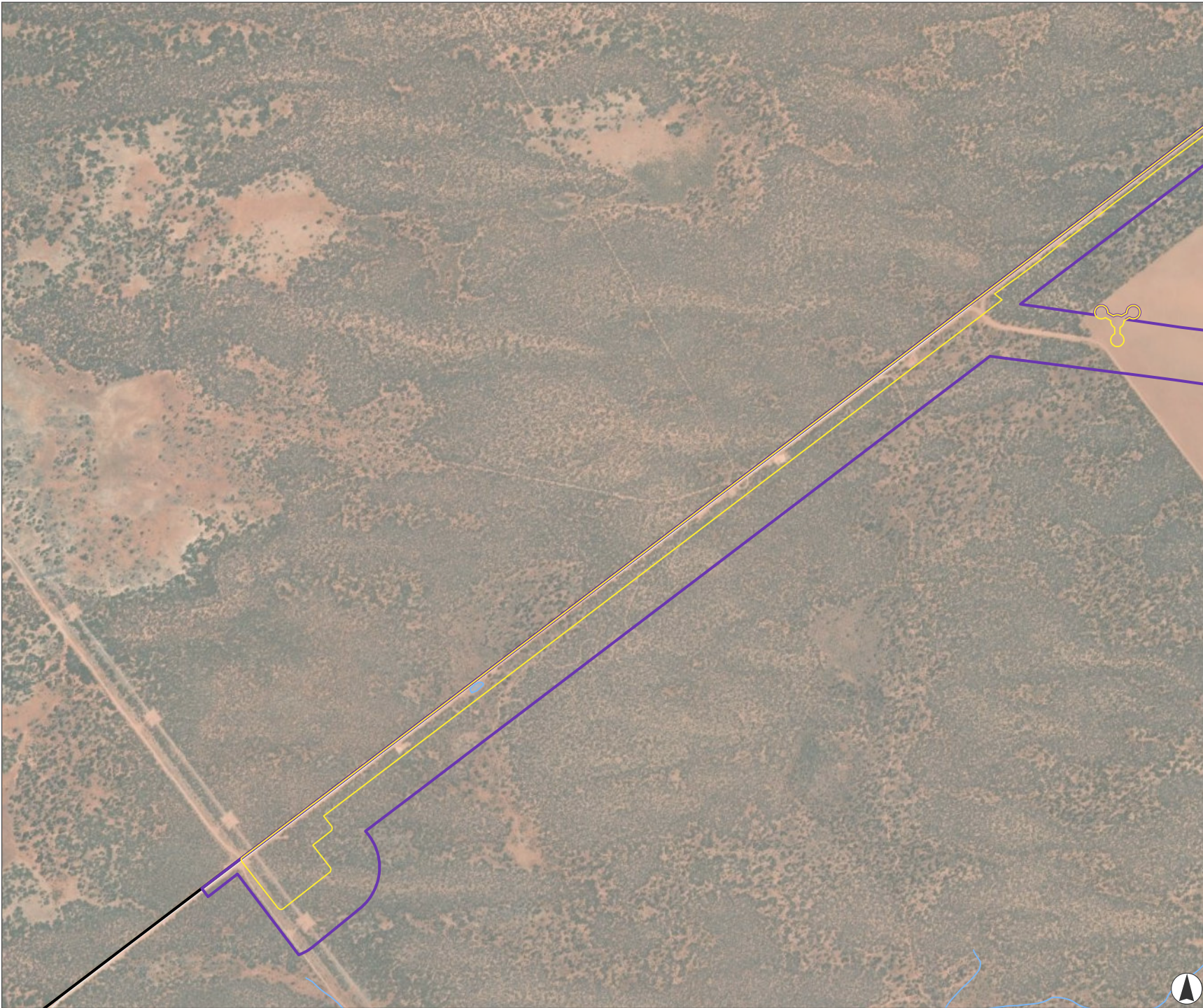


Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54





This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

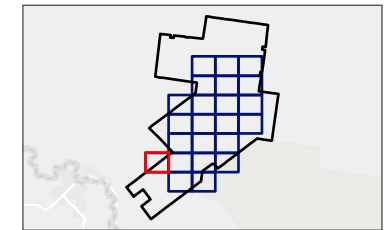




**FIGURE 5.3.18**  
Habitat Values Present within the Biodiversity Study Area and Project Area

**Legend**

-  Project Boundary
-  Development Footprint
-  Biodiversity Study Area
-  Road
-  Watercourse
-  Waterbody



Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54

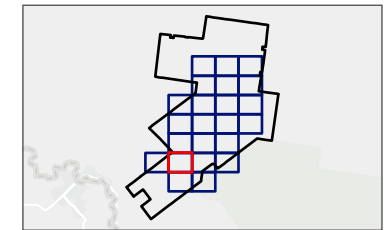


This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt



**FIGURE 5.3.19**  
**Habitat Values Present within the Biodiversity Study Area and Project Area**

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
- Habitat Features**
- Burrow - inactive

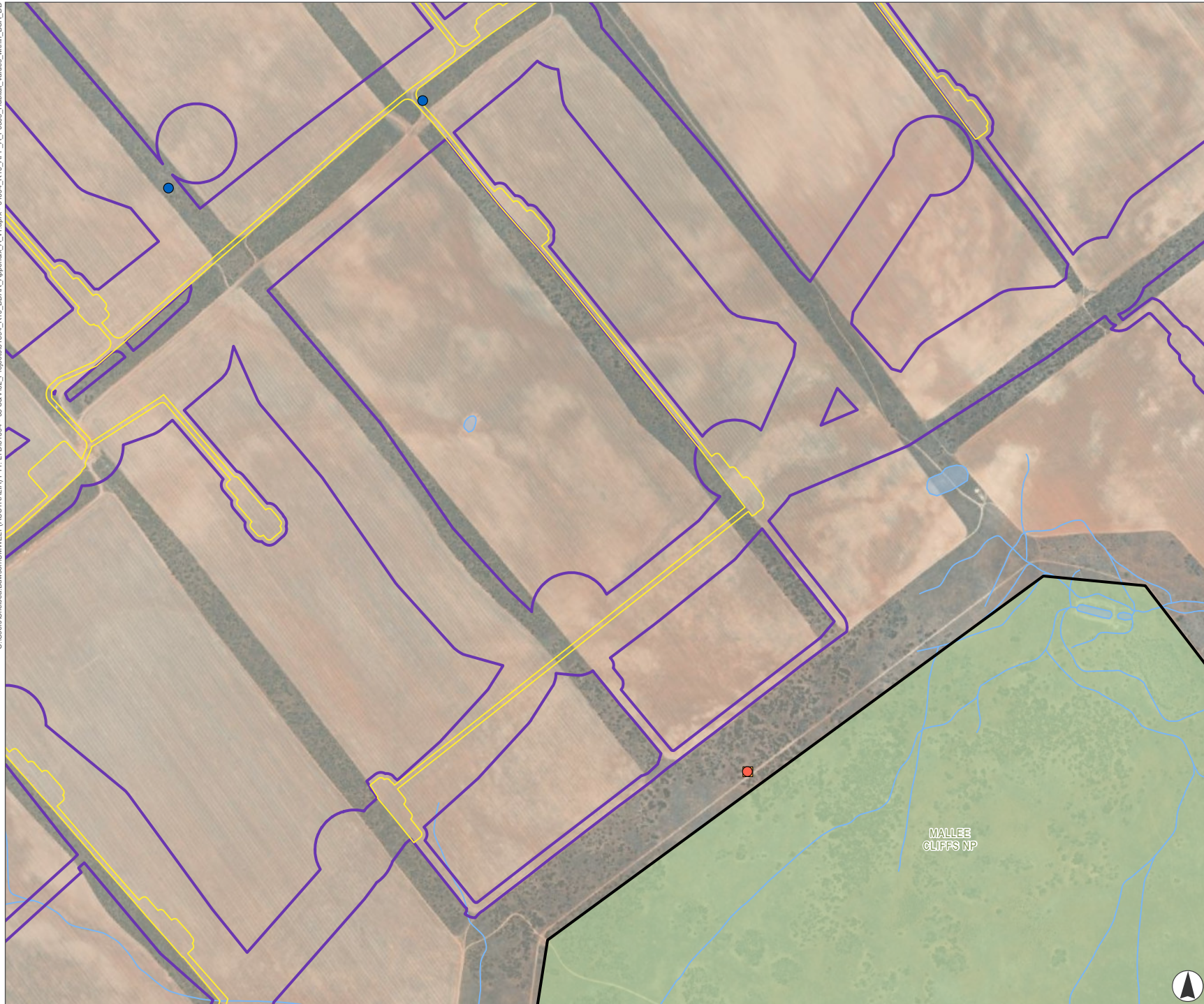


Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54









This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt








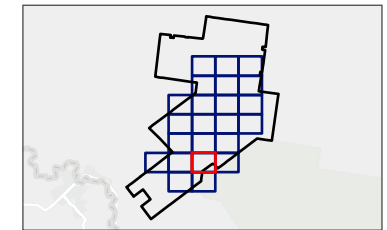
**FIGURE 5.3.20**  
Habitat Values Present within the Biodiversity Study Area and Project Area

**Legend**

-  Project Boundary
-  Development Footprint
-  Biodiversity Study Area
-  Watercourse
-  Waterbody
-  NPWS Estates

**Habitat Features**

-  Hollow Bearing Tree
-  Stick Nest (likely raptor) - unoccupied
-  Stick Nest (likely raven) - unoccupied



Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



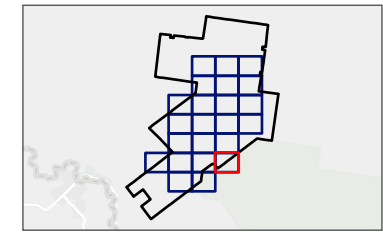
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsea.Dawson\Umwelt\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 S&W02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894 - R10\_APP\_A\_F0503\_Habitat\_Values\_within\_BSA\_DD



**FIGURE 5.3.21**  
**Habitat Values Present within the Biodiversity Study Area and Project Area**

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
  - NPWS Estates

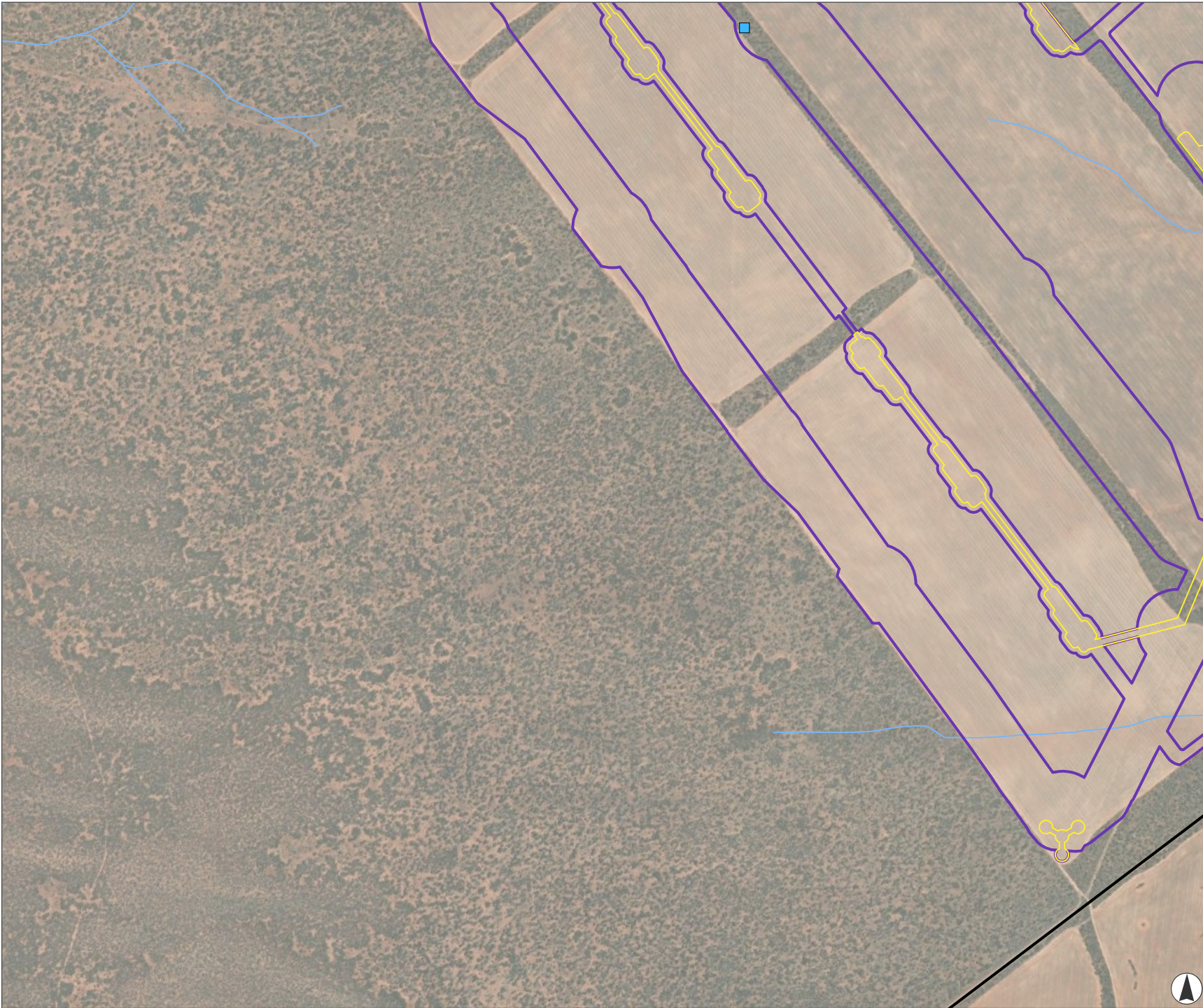


Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



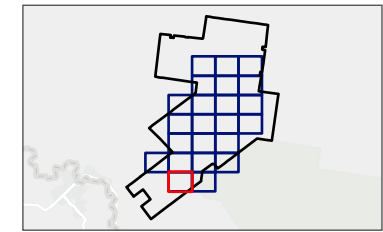
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt





**FIGURE 5.3.22**  
**Habitat Values Present within the Biodiversity Study Area and Project Area**

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
- Habitat Features**
- Burrow - inactive

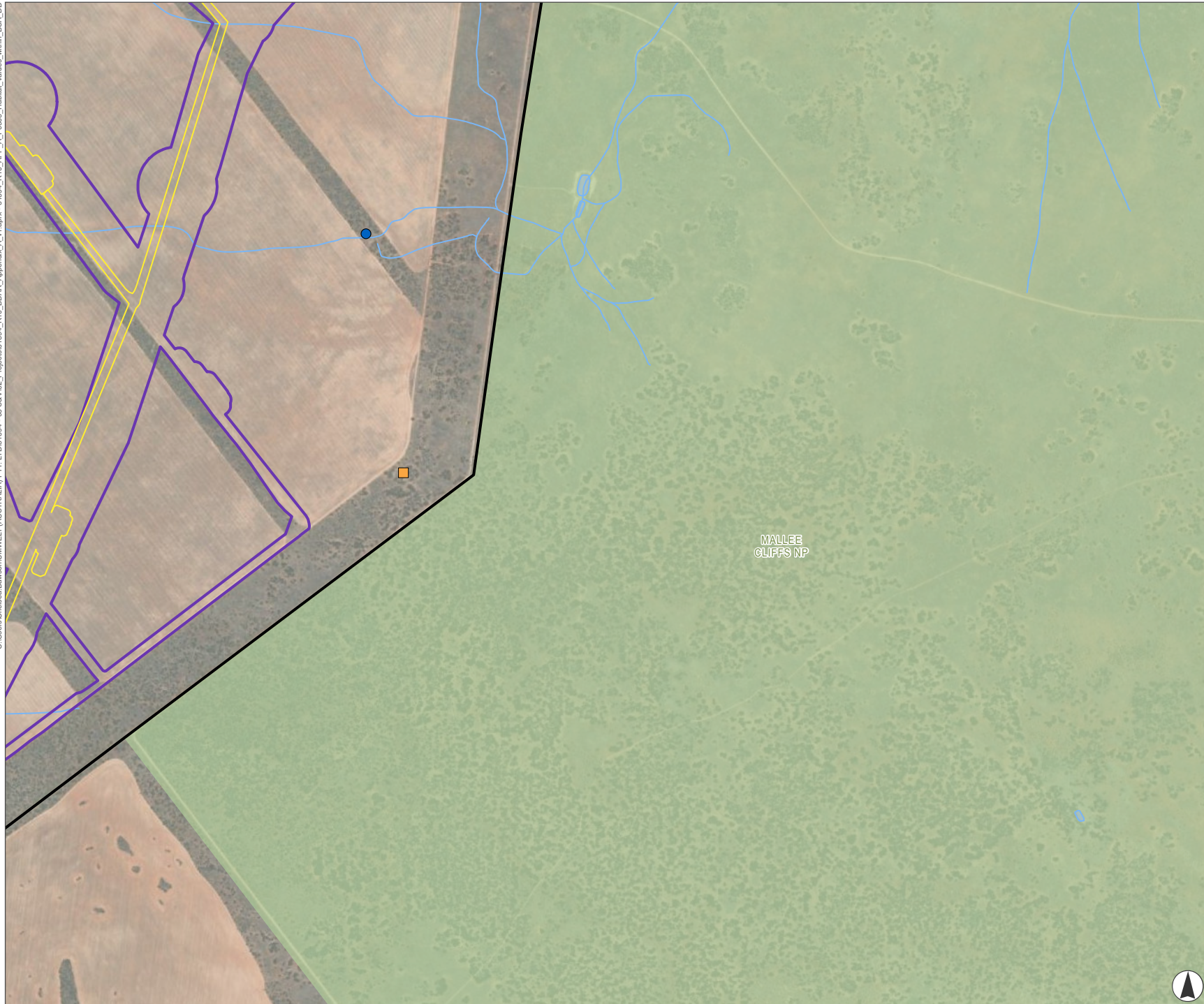


Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54











This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

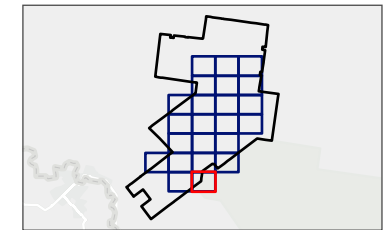




**FIGURE 5.3.23**  
**Habitat Values Present within the Biodiversity Study Area and Project Area**

**Legend**

-  Project Boundary
  -  Development Footprint
  -  Biodiversity Study Area
  -  Watercourse
  -  Waterbody
  -  NPWS Estates
- Habitat Features**
-  Hollow Bearing Tree
  -  Stick Nest (likely raptor) - unoccupied

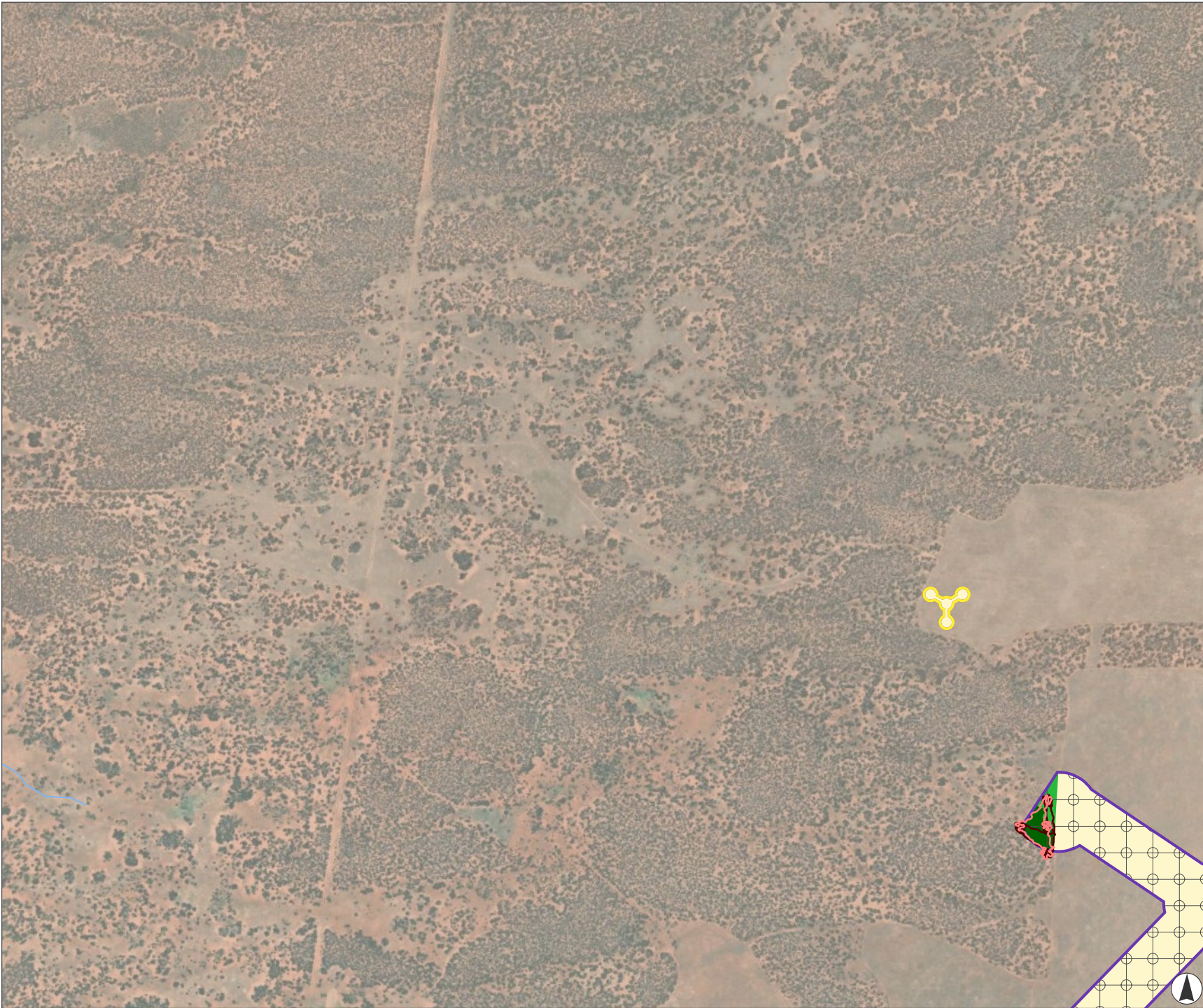


Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt





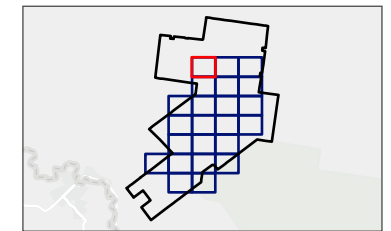
**FIGURE 5.4.1**  
Threatened Flora Survey

**Legend**

- Project Boundary
- Development Footprint
- Biodiversity Study Area
- Watercourse
- Threatened Flora Transect Summer (February 2023)
- Threatened Flora Transect Spring (October 2022)
- Survey Grid

**Plant Community Type**

- PCT 170 (Moderate-Good)
- PCT 170 (Derived-Native)
- Category 1 – Exempt Land/Cleared/Structure/ Tracks/ Road

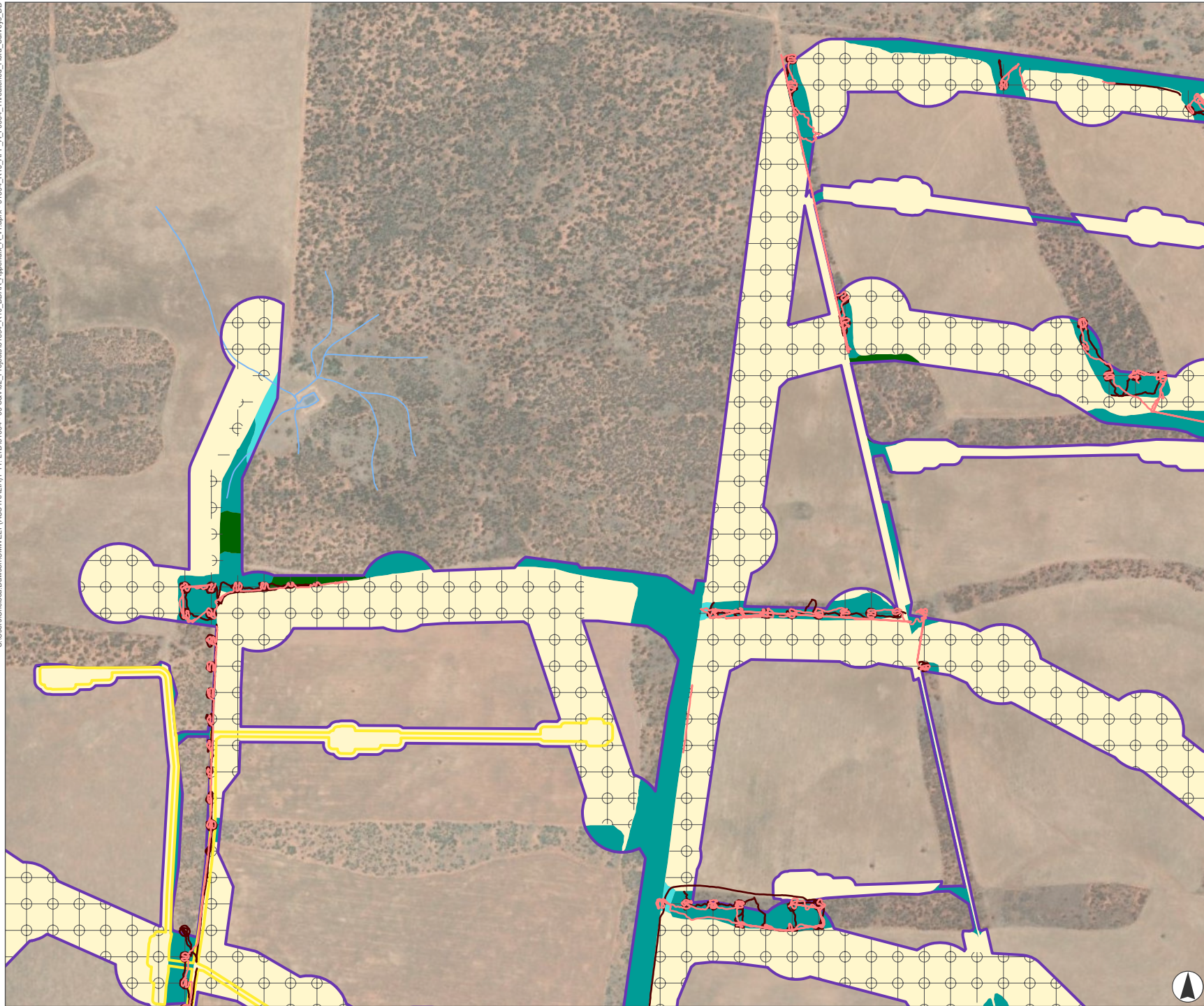


Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsey.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 88V02\_P\Projects\31894\_R10\_BDAR\_A\appendix\_A\_V1.aprx - 31894\_R10\_APP\_A\_F0504\_Threatened\_Flora\_Surveys\_DD



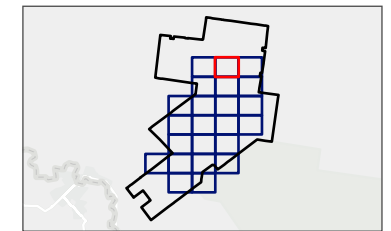
**FIGURE 5.4.2**  
Threatened Flora Survey

**Legend**

- Project Boundary
- Development Footprint
- Biodiversity Study Area
- Watercourse
- Waterbody
- Threatened Flora Transect Summer (February 2023)
- Threatened Flora Transect Spring (October 2022)
- Survey Grid

**Plant Community Type**

- PCT 58 (Moderate-Good)
- PCT 58 (Derived-Weedy)
- PCT 170 (Moderate-Good)
- Category 1 – Exempt Land/Cleared/Structure/ Tracks/ Road



Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsey.Dawson\UMWELT (AUSTRALIA) PTY. LTD\31894 - 03 S&V\02\_P\Projects\31894\_R10\_BDAR\_A\appendix\_A\_V1.aprx - 31894 - Threatened Flora Surveys\_DD



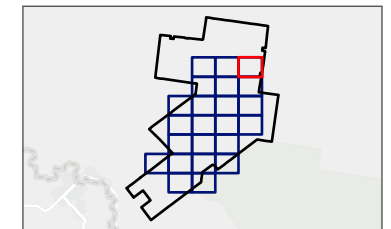
**FIGURE 5.4.3**  
Threatened Flora Survey

**Legend**

- Project Boundary
- Development Footprint
- Biodiversity Study Area
- Road
- Watercourse
- Threatened Flora Transect Summer (February 2023)
- Threatened Flora Transect Spring (October 2022)
- Survey Grid

**Plant Community Type**

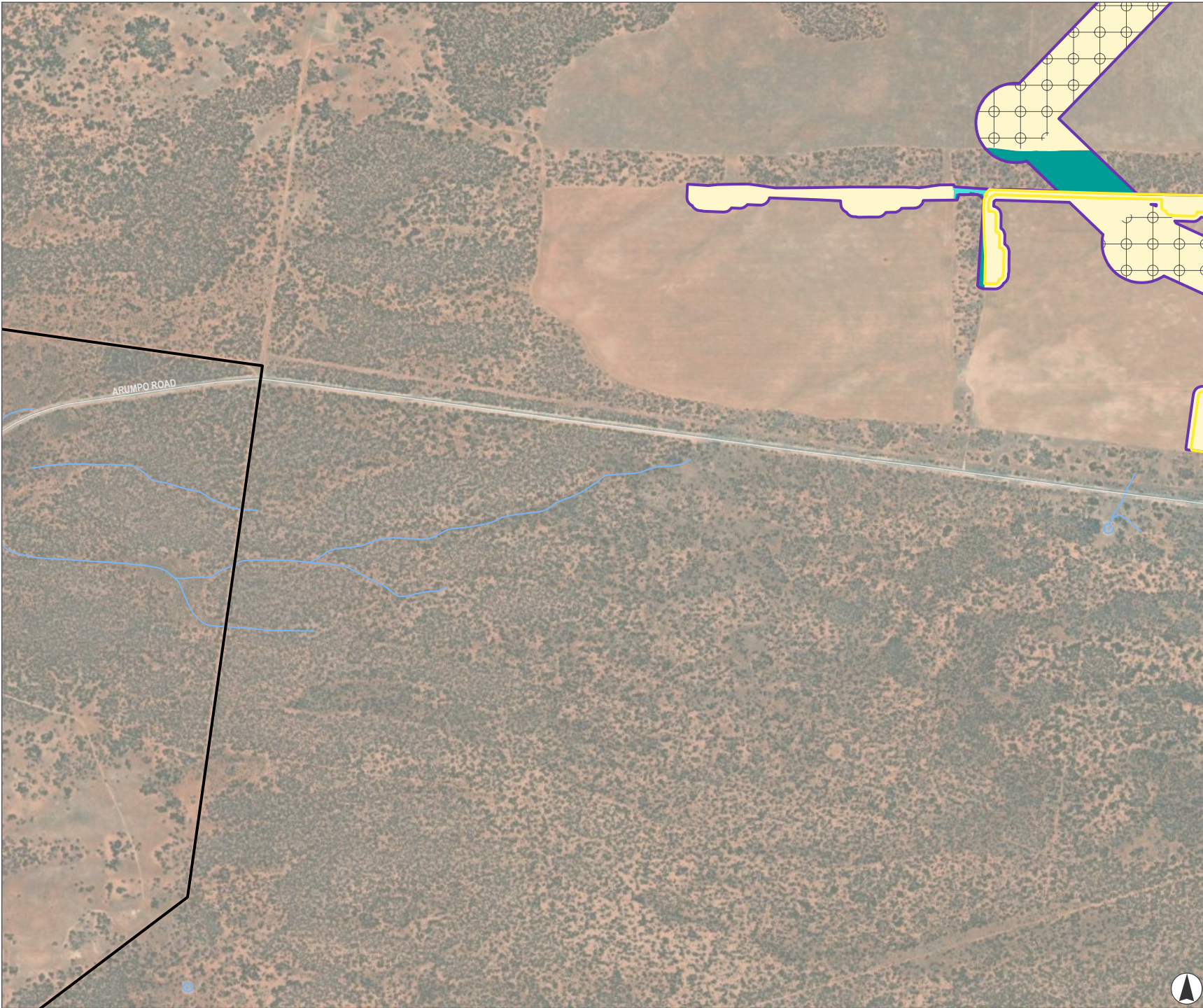
- PCT 58 (Moderate-Good)
- Category 1 – Exempt Land/Cleared/Structure/ Tracks/ Road



Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt



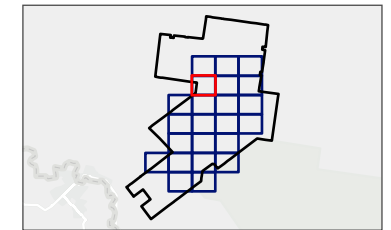
**FIGURE 5.4.4**  
Threatened Flora Survey

**Legend**

- Project Boundary
- Development Footprint
- Biodiversity Study Area
- Road
- Watercourse
- Waterbody
- Survey Grid

**Plant Community Type**

- PCT 58 (Moderate-Good)
- PCT 58 (Derived-Weedy)
- Category 1 – Exempt Land/Cleared/Structure/ Tracks/ Road



Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt





C:\Users\Chelsea.Dawson\UMWELT (AUSTRALIA) PTY. LTD\31894 - 03 88V02\_Protects\31894\_R10\_BDAR\_A\appendix\_A\_V1.aprx - 31894\_R10\_APP\_A\_F0504\_Threatened\_Flora\_Surveys\_DD



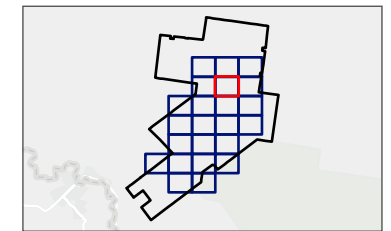
**FIGURE 5.4.5**  
Threatened Flora Survey

**Legend**

- Project Boundary
- Development Footprint
- Biodiversity Study Area
- Road
- Threatened Flora Transect Summer (February 2023)
- Threatened Flora Transect Spring (October 2022)
- Survey Grid

**Plant Community Type**

- PCT 58 (Moderate-Good)
- PCT 58 (Derived-Weedy)
- PCT 170 (Moderate-Good)
- Dam
- Category 1 – Exempt Land/Cleared/Structure/ Tracks/ Road

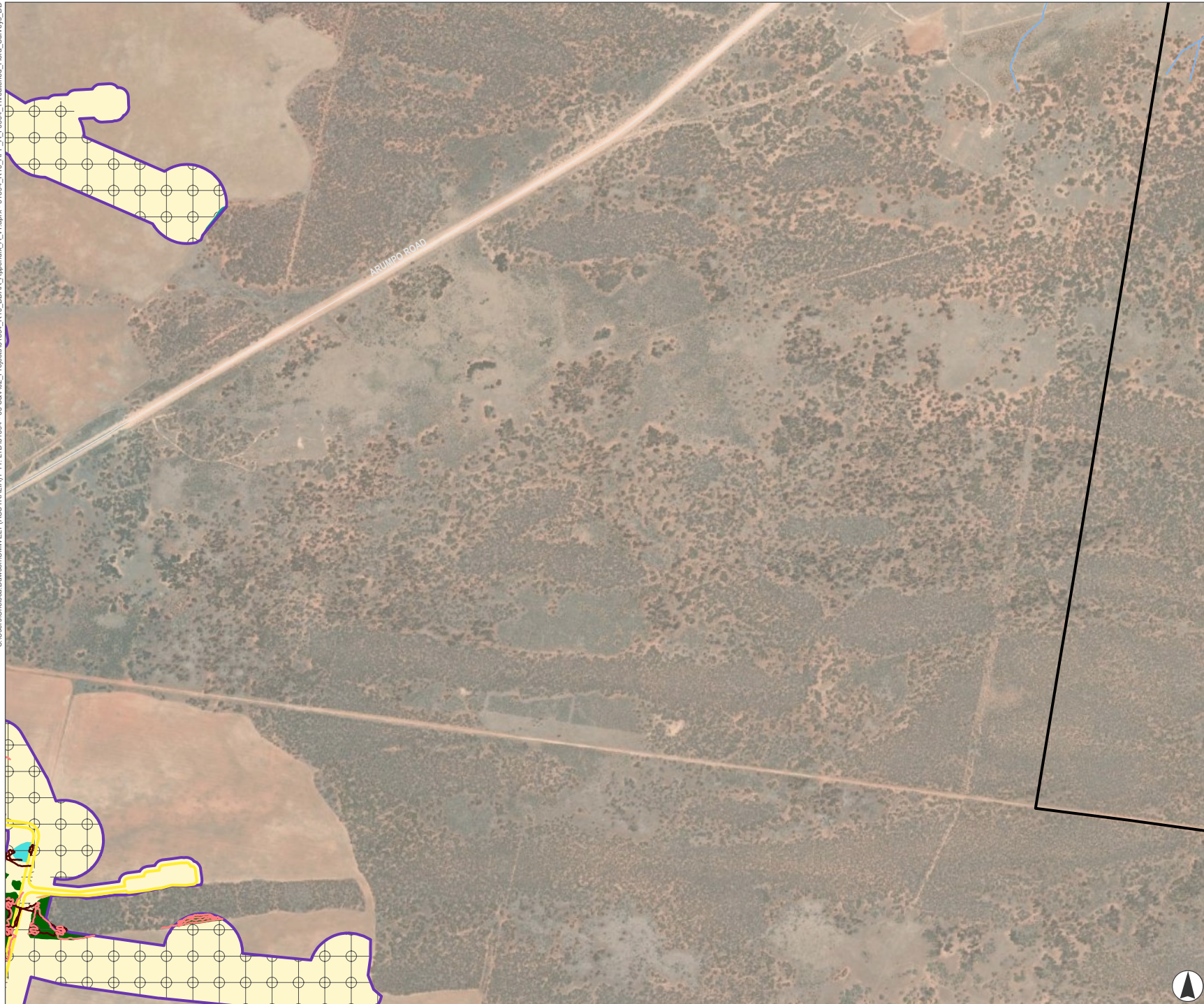


Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 88V02 - Projects\31894\_R10\_BDAR\_A\appendix\_A\_v1.aprx - 31894 - Threatened Flora Surveys\_DD



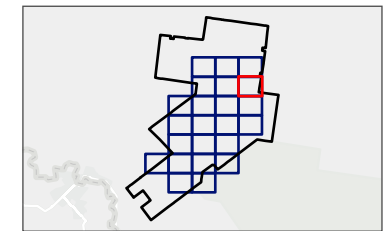
**FIGURE 5.4.6**  
Threatened Flora Survey

**Legend**

- Project Boundary
- Development Footprint
- Biodiversity Study Area
- Road
- Watercourse
- Threatened Flora Transect Summer (February 2023)
- Threatened Flora Transect Spring (October 2022)
- Survey Grid

**Plant Community Type**

- PCT 58 (Moderate-Good)
- PCT 58 (Derived-Weedy)
- PCT 170 (Moderate-Good)
- PCT 171 (Moderate-Good)
- Category 1 – Exempt Land/Cleared/Structure/ Tracks/ Road

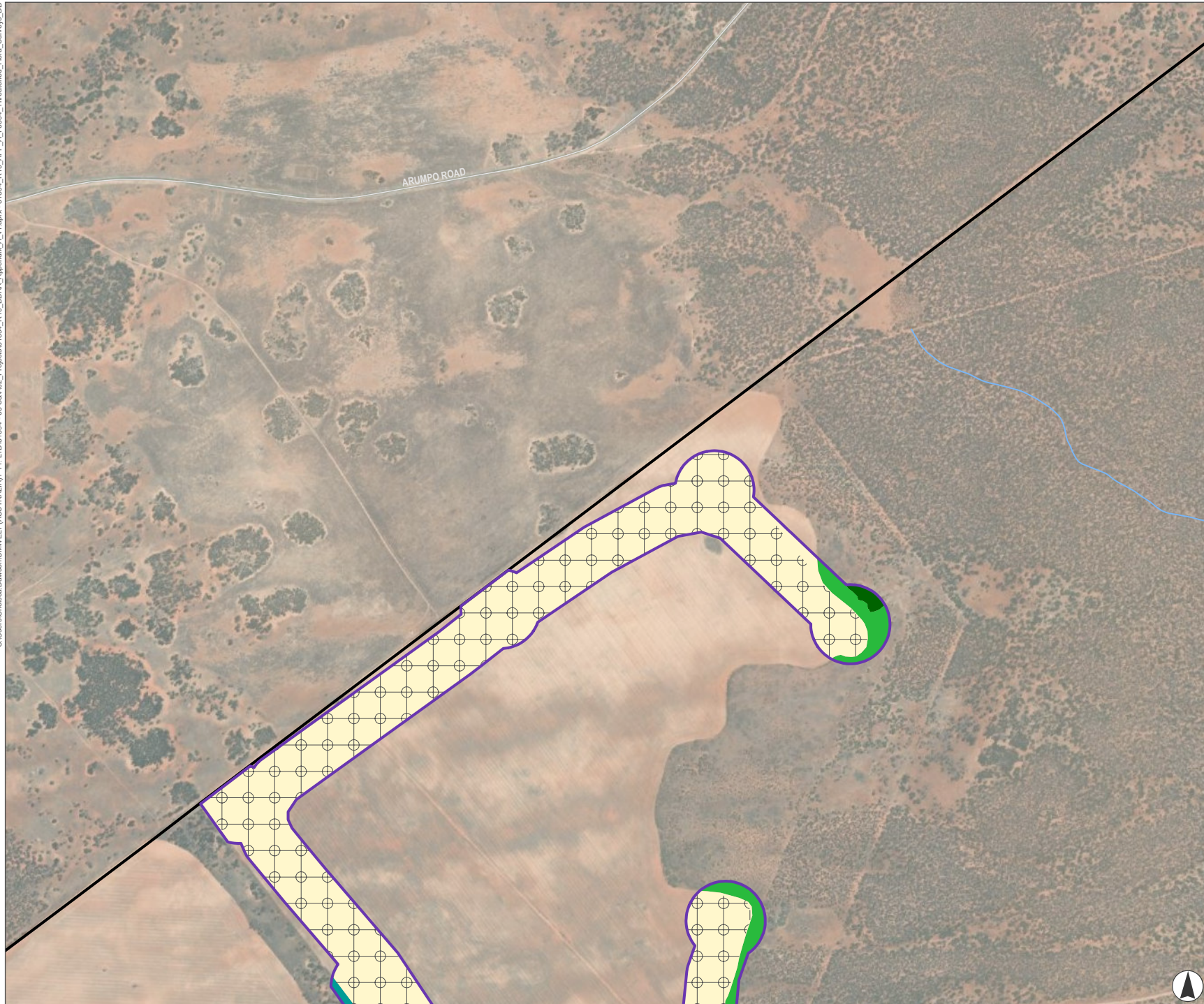


Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

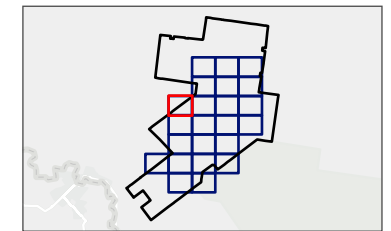




**FIGURE 5.4.7**  
Threatened Flora Survey

**Legend**

- Project Boundary
  - Biodiversity Study Area
  - Road
  - Watercourse
  - Survey Grid
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - PCT 170 (Moderate-Good)
  - PCT 170 (Derived-Native)
  - Category 1 – Exempt Land/Cleared/Structure/ Tracks/ Road



Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt





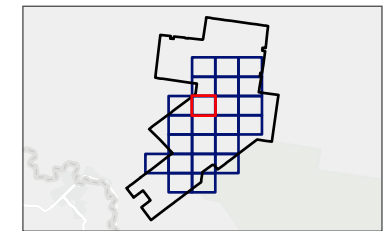
**FIGURE 5.4.8**  
Threatened Flora Survey

**Legend**

- Project Boundary
- Development Footprint
- Biodiversity Study Area
- Watercourse
- Waterbody
- Threatened Flora Transect Summer (February 2023)
- Threatened Flora Transect Spring (October 2022)
- Survey Grid

**Plant Community Type**

- PCT 58 (Moderate-Good)
- PCT 58 (Derived-Weedy)
- PCT 170 (Moderate-Good)
- PCT 170 (Derived-Native)
- PCT 170 (Derived-Weedy)
- Category 1 – Exempt Land/Cleared/Structure/ Tracks/ Road



Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



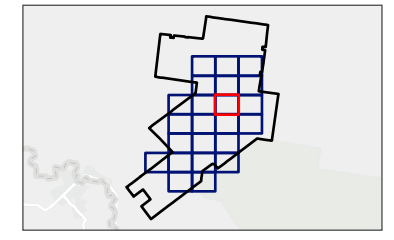
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 S&V02\_P\Projects\31894\_R10\_BDAR\_A\appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0504\_Threatened\_Flora\_Surveys\_DD



**FIGURE 5.4.9**  
Threatened Flora Survey

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
  - Waterbody
  - Threatened Flora Transect Summer (February 2023)
  - Threatened Flora Transect Spring (October 2022)
  - Survey Grid
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - PCT 58 (Derived-Weedy)
  - PCT 170 (Moderate-Good)
  - PCT 170 (Derived-Native)
  - PCT 170 (Derived-Weedy)
  - Dam
  - Category 1 – Exempt Land/Cleared/Structure/ Tracks/ Road

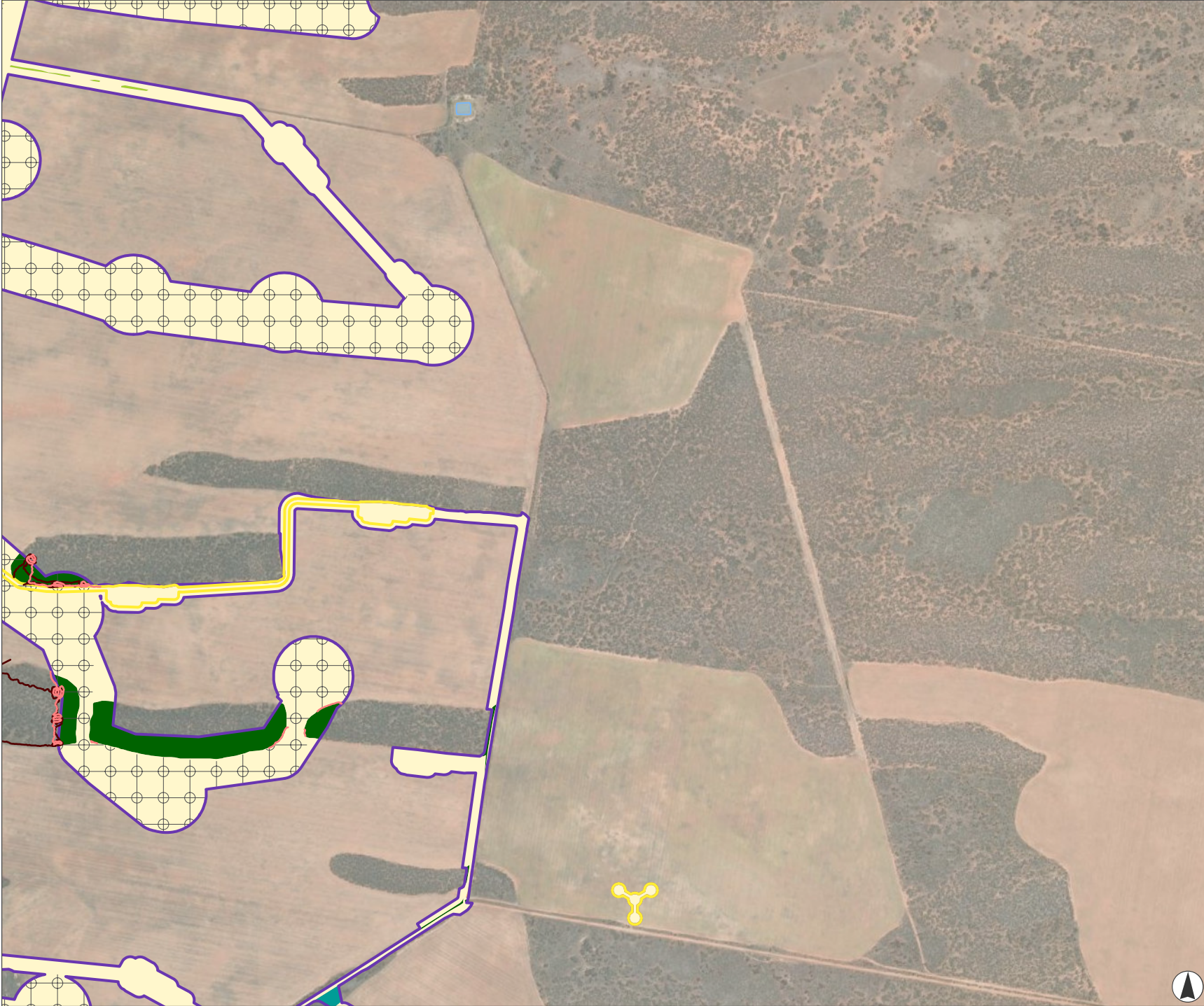


0 0.5 1  
Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



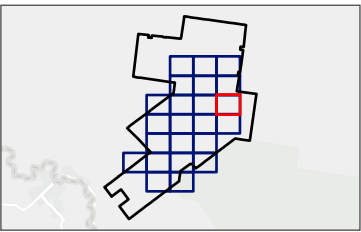
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsea.Dawson\UMWELT (AUSTRALIA) PTY. LTD\31894 - 03 88V02 - Projects\31894 - R10 - APP\_A\_F0504 - Threatened Flora Surveys\_DD



**FIGURE 5.4.10**  
**Threatened Flora Survey**

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Waterbody
  - Threatened Flora Transect Summer (February 2023)
  - Threatened Flora Transect Spring (October 2022)
  - Survey Grid
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - PCT 170 (Moderate-Good)
  - PCT 170 (Derived-Weedy)
  - PCT 171 (Moderate-Good)
  - Category 1 – Exempt Land/Cleared/Structure/ Tracks/ Road



Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54

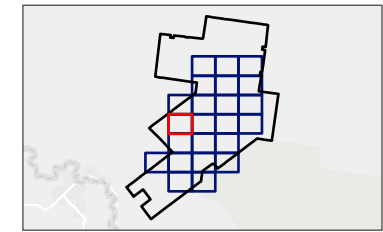


This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

# FIGURE 5.4.11 Threatened Flora Survey



- Legend**
- Project Boundary
  - Biodiversity Study Area
  - Watercourse
  - Waterbody
  - Threatened Flora Transect Summer (February 2023)
  - Threatened Flora Transect Spring (October 2022)
  - Survey Grid
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - PCT 170 (Moderate-Good)
  - PCT 170 (Derived-Native)
  - PCT 171 (Moderate-Good)
  - Category 1 – Exempt Land/Cleared/Structure/ Tracks/ Road



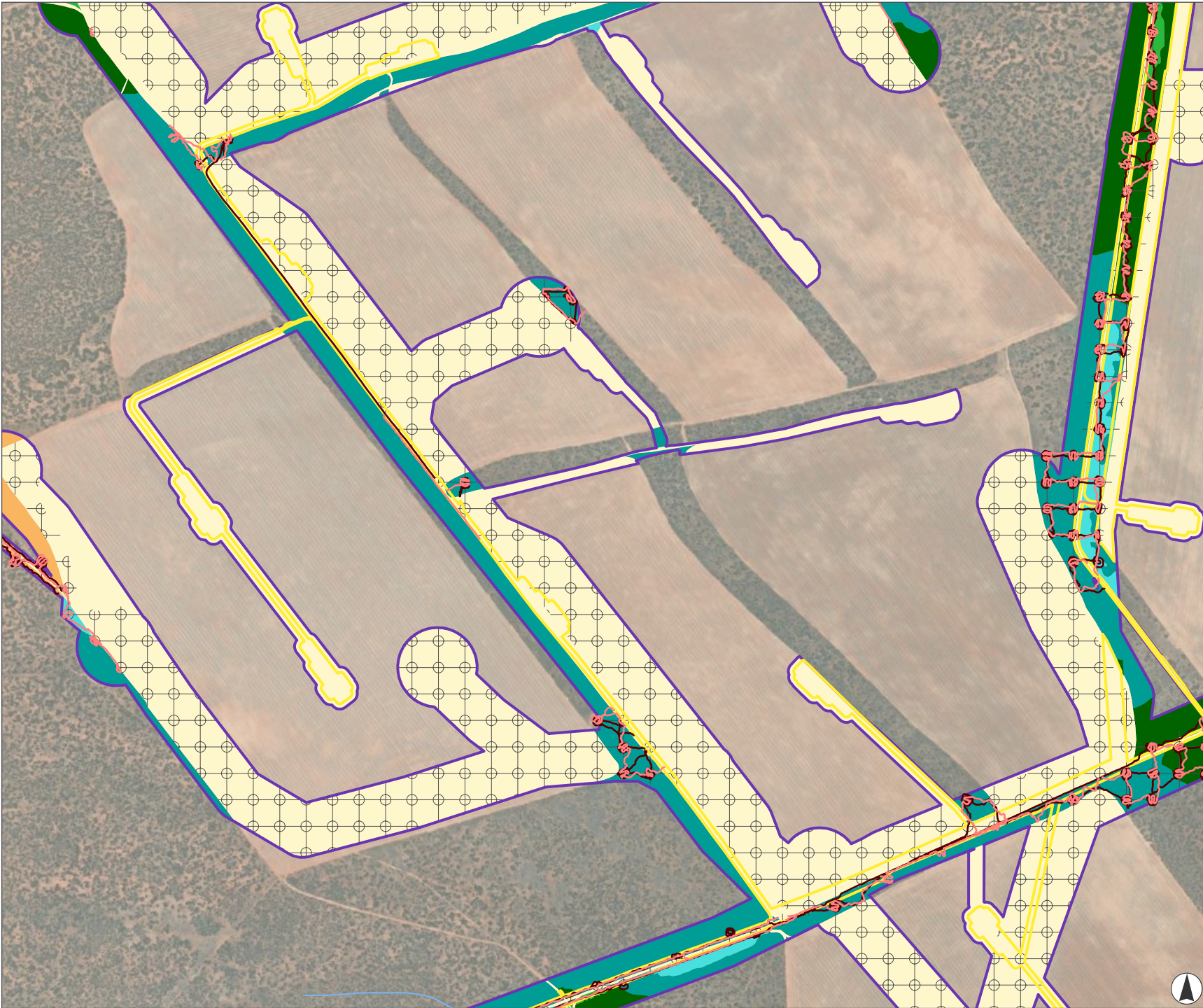
Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt



C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 88V02\_Protects\31894\_R10\_BDAR\_Appendix\_A\_V1.aprx - 31894\_R10\_APP\_A\_F0504\_Threatened\_Flora\_Surveys\_DD



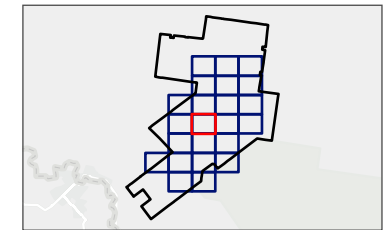
**FIGURE 5.4.12**  
Threatened Flora Survey

**Legend**

- Project Boundary
- Development Footprint
- Biodiversity Study Area
- Watercourse
- Threatened Flora Transect Summer (February 2023)
- Threatened Flora Transect Spring (October 2022)
- Survey Grid

**Plant Community Type**

- PCT 58 (Moderate-Good)
- PCT 58 (Derived-Weedy)
- PCT 170 (Moderate-Good)
- PCT 170 (Derived-Native)
- PCT 171 (Moderate-Good)
- Category 1 – Exempt Land/Cleared/Structure/ Tracks/ Road



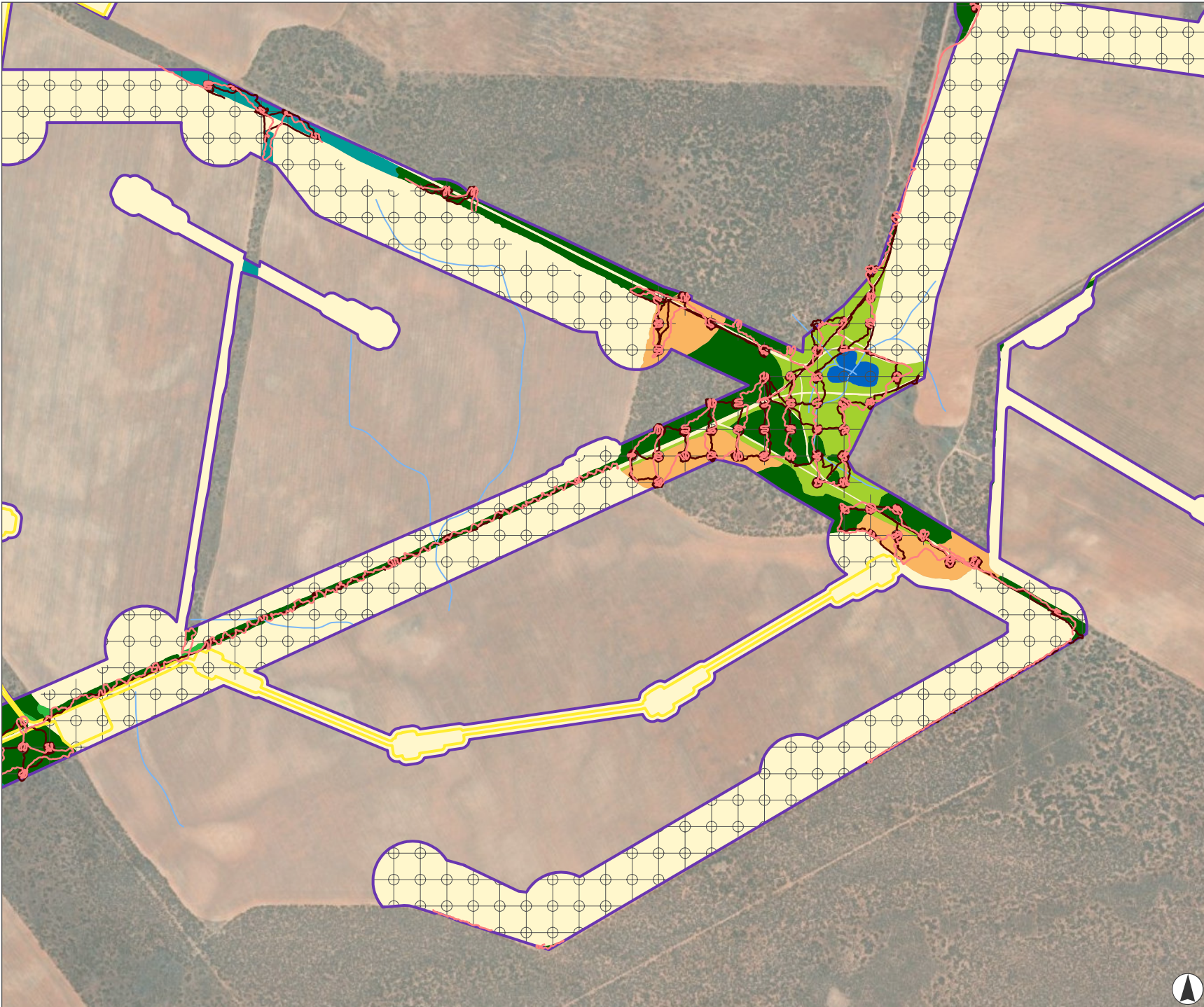
Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt



C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 58\02\_Protects\31894\_R10\_BDAR\_appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0504\_Threatened\_Flora\_Surveys\_DD



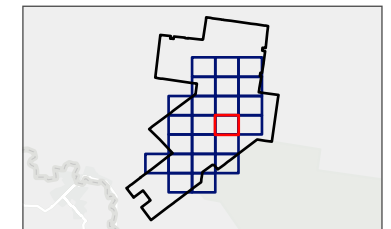
**FIGURE 5.4.13**  
**Threatened Flora Survey**

**Legend**

- Project Boundary
- Development Footprint
- Biodiversity Study Area
- Watercourse
- Waterbody
- Threatened Flora Transect Summer (February 2023)
- Threatened Flora Transect Spring (October 2022)
- Survey Grid

**Plant Community Type**

- PCT 58 (Moderate-Good)
- PCT 170 (Moderate-Good)
- PCT 170 (Derived-Native)
- PCT 170 (Derived-Weedy)
- PCT 171 (Moderate-Good)
- Dam
- Category 1 – Exempt Land/Cleared/Structure/ Tracks/ Road



Scale 1:20,000 at A4  
GDA2020 MGA Zone 54






This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 88V02\_Productions\31894\_R10\_BDAR\_Appendix\_A\_V1.aprx - 31894\_R10\_APP\_A\_F0504\_Threatened\_Flora\_Surveys\_DD








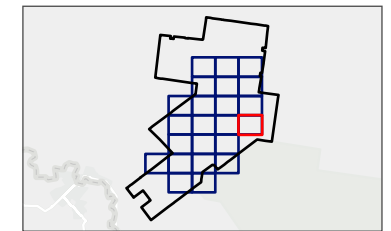
**FIGURE 5.4.14**  
Threatened Flora Survey

**Legend**

-  Project Boundary
-  Biodiversity Study Area
-  Survey Grid

**Plant Community Type**

-  PCT 58 (Moderate-Good)
-  PCT 170 (Moderate-Good)
-  PCT 170 (Derived-Native)
-  PCT 170 (Derived-Weedy)
-  Category 1 – Exempt Land/Cleared/Structure/ Tracks/ Road



Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

**FIGURE 5.4.15**  
Threatened Flora Survey

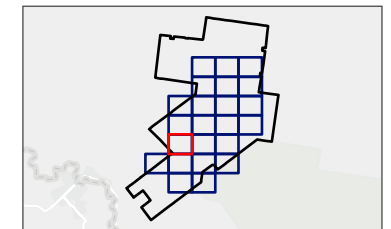


**Legend**

- Project Boundary
- Development Footprint
- Biodiversity Study Area
- Threatened Flora Transect Summer (February 2023)
- Threatened Flora Transect Spring (October 2022)
- Survey Grid

**Plant Community Type**

- PCT 58 (Moderate-Good)
- PCT 58 (Derived-Weedy)
- PCT 170 (Moderate-Good)
- PCT 170 (Derived-Native)
- PCT 171 (Moderate-Good)
- Category 1 – Exempt Land/Cleared/Structure/ Tracks/ Road

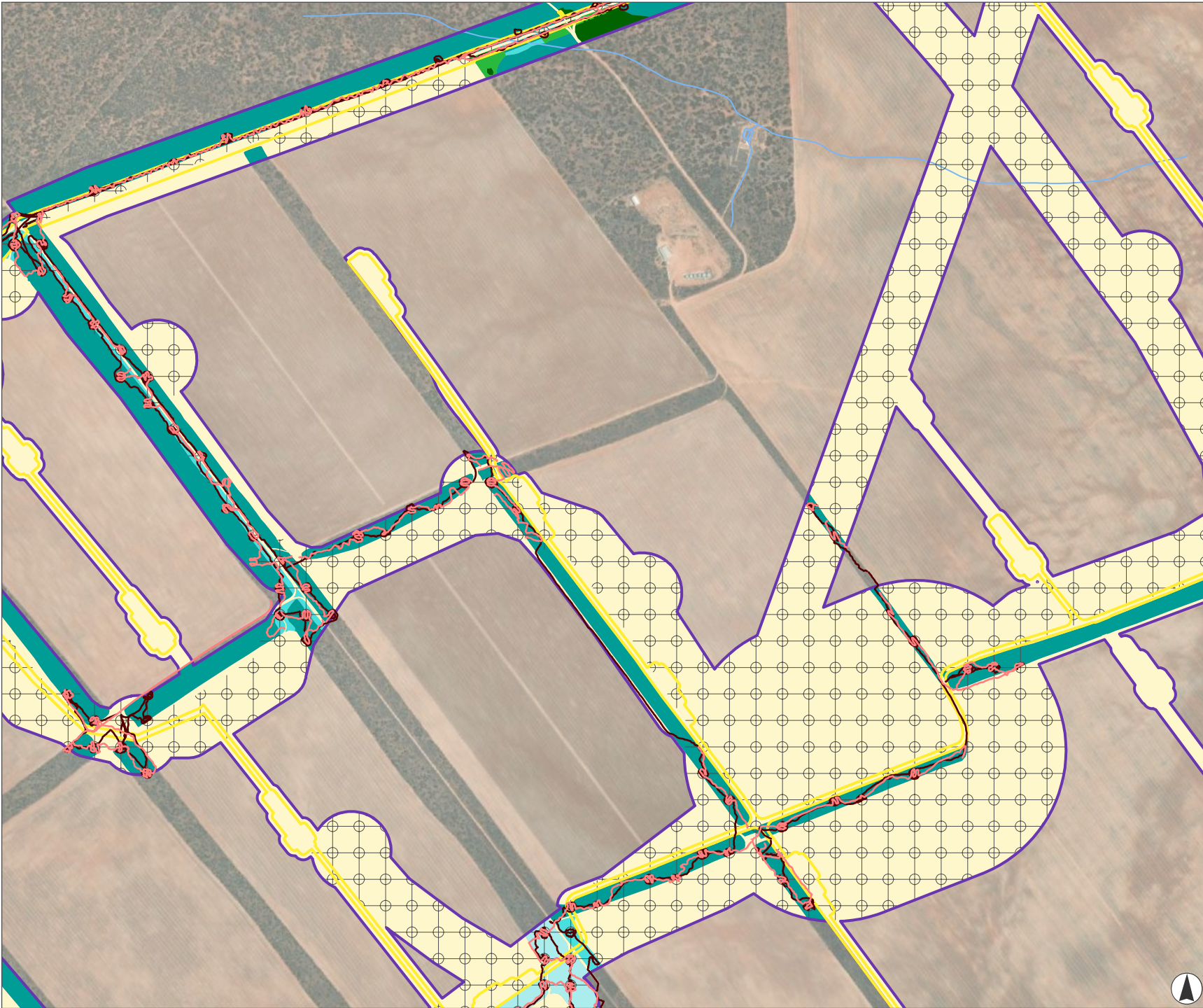


Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



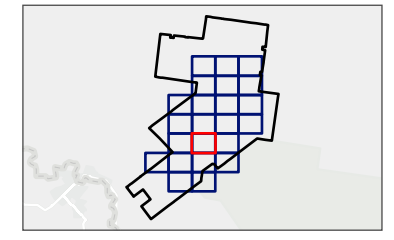
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsea.Dawson\UMWELT (AUSTRALIA) PTY. LTD\31894 - 03 88V02\_Progects\31894\_R10\_BDAR\_A\appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0504\_Threatened\_Flora\_Surveys\_DD



**FIGURE 5.4.16**  
Threatened Flora Survey

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
  - Waterbody
  - Threatened Flora Transect Summer (February 2023)
  - Threatened Flora Transect Spring (October 2022)
  - Survey Grid
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - PCT 58 (Derived-Weedy)
  - PCT 58 (Weedy understorey)
  - PCT 170 (Moderate-Good)
  - PCT 170 (Derived-Native)
  - Category 1 – Exempt Land/Cleared/Structure/ Tracks/ Road



0 0.5 1  
Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 88V02 - Projects\31894\_R10\_BDAR\_Appendix\_A\_V1.aprx - 31894\_R10\_APP\_A\_F0504\_Threatened\_Flora\_Surveys\_DD



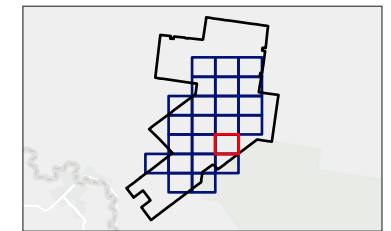
**FIGURE 5.4.17**  
Threatened Flora Survey

**Legend**

- Project Boundary
- Development Footprint
- Biodiversity Study Area
- Watercourse
- Waterbody
- NPWS Estates
- Threatened Flora Transect Summer (February 2023)
- Threatened Flora Transect Spring (October 2022)
- Survey Grid

**Plant Community Type**

- PCT 58 (Moderate-Good)
- PCT 58 (Weedy understory)
- PCT 170 (Moderate-Good)
- Category 1 – Exempt Land/Cleared/Structure/ Tracks/ Road



Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt



**FIGURE 5.4.18**  
Threatened Flora Survey

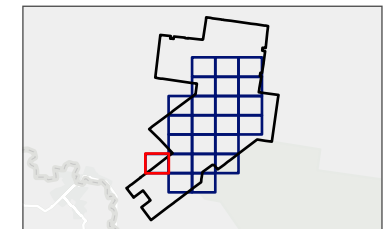


**Legend**

- Project Boundary
- Development Footprint
- Biodiversity Study Area
- Road
- Watercourse
- Waterbody
- Threatened Flora Transect Summer (February 2023)
- Threatened Flora Transect Spring (October 2022)
- Survey Grid

**Plant Community Type**

- PCT 58 (Moderate-Good)
- PCT 58 (Derived-Weedy)
- PCT 170 (Moderate-Good)
- PCT 170 (Derived-Native)
- PCT 171 (Moderate-Good)
- Category 1 – Exempt Land/Cleared/Structure/ Tracks/ Road



Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelisee.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 8xV02\_P\Projects\31894\_R10\_BDAR\_Appendix\_A\_V1.aprx - 31894 - R10\_APP\_A\_F0504\_Threatened\_Flora\_Surveys\_DD



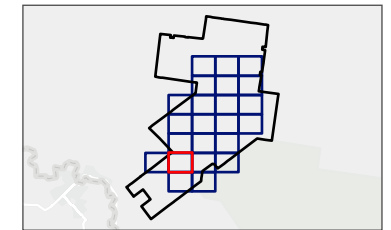
**FIGURE 5.4.19**  
**Threatened Flora Survey**

**Legend**

- Project Boundary
- Development Footprint
- Biodiversity Study Area
- Watercourse
- Threatened Flora Transect Summer (February 2023)
- Threatened Flora Transect Spring (October 2022)
- Survey Grid

**Plant Community Type**

- PCT 58 (Moderate-Good)
- PCT 58 (Derived-Weedy)
- PCT 170 (Moderate-Good)
- PCT 170 (Derived-Native)
- PCT 171 (Moderate-Good)
- Category 1 – Exempt Land/Cleared/Structure/ Tracks/ Road



Kilometres

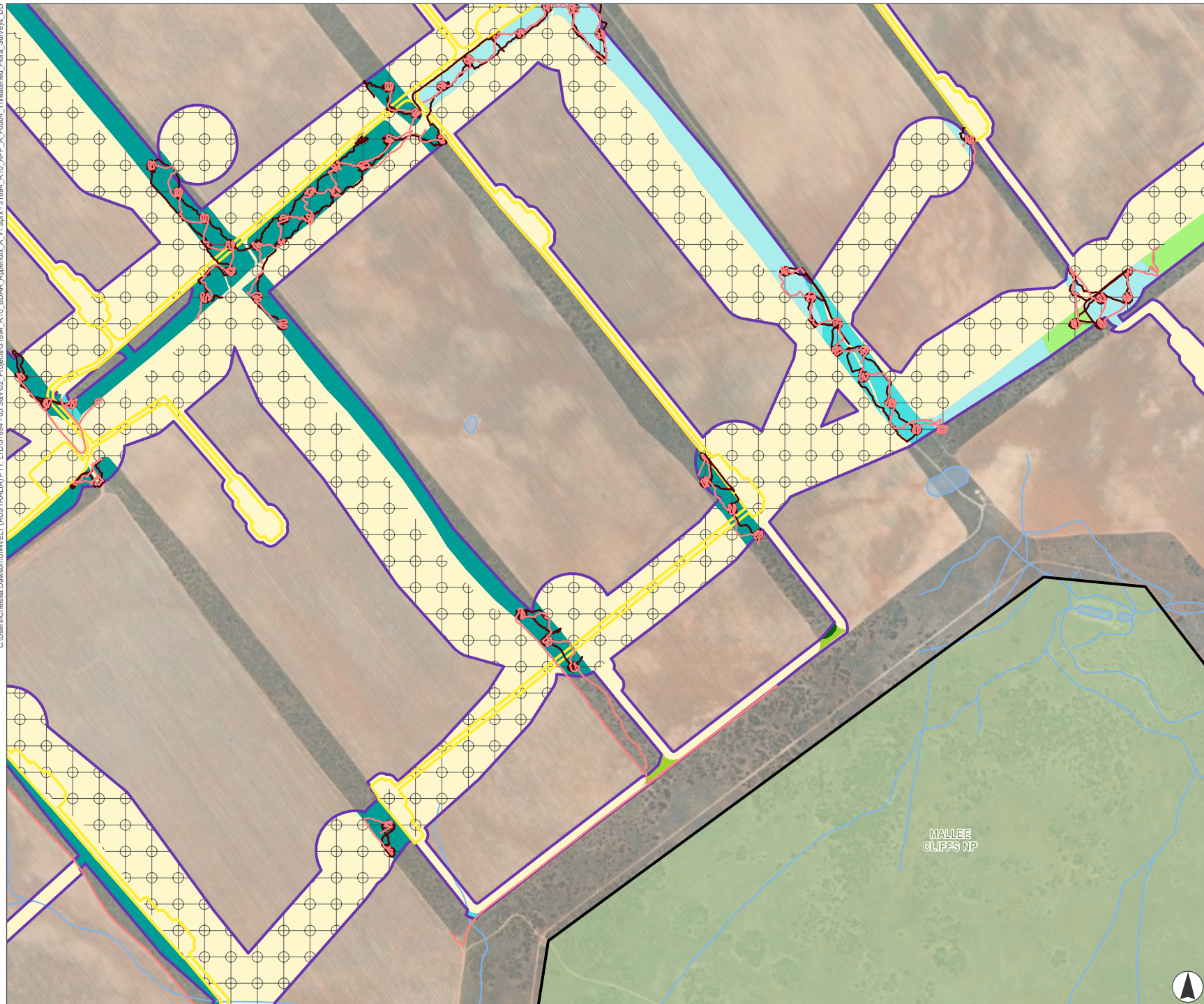
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 S&V\02\_P\Projects\31894\_R10\_BDAR\_appendix\_A\_V1.aprx - 31894\_R10\_APP\_A\_F0504\_Threatened\_Flora\_Surveys\_DD

**FIGURE 5.4.20**  
**Threatened Flora Survey**

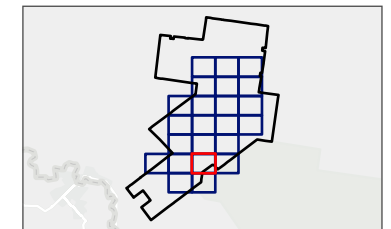


**Legend**

- Project Boundary
- Development Footprint
- Biodiversity Study Area
- Watercourse
- Waterbody
- NPWS Estates
- Threatened Flora Transect Summer (February 2023)
- Threatened Flora Transect Spring (October 2022)
- Survey Grid

**Plant Community Type**

- PCT 58 (Moderate-Good)
- PCT 58 (Derived-Weedy)
- PCT 58 (Weedy understorey)
- PCT 170 (Moderate-Good)
- PCT 170 (Derived-Weedy)
- PCT 170 (Weedy Understorey)
- Category 1 – Exempt Land/Cleared/Structure/ Tracks/ Road



Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



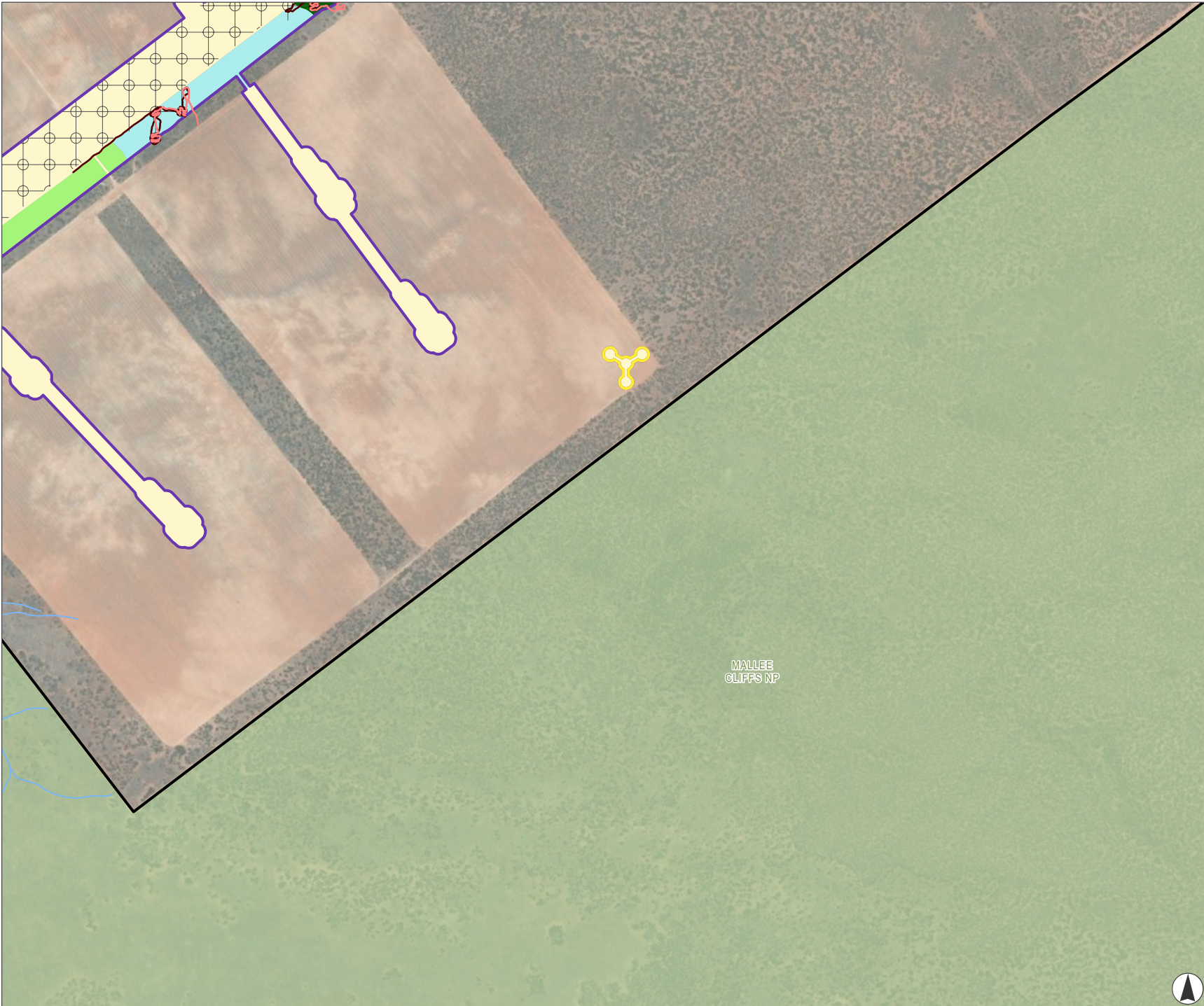
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.

APPROVED FOR AND ON BEHALF OF Umwelt

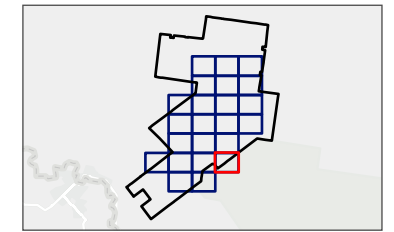


C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 88V02\_P\Projects\31894\_R10\_BDAR\_Appendix\_A\_V1.aprx - 31894\_R10\_APP\_A\_F0504\_Threatened\_Flora\_Surveys\_DD

# FIGURE 5.4.21 Threatened Flora Survey



- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
  - NPWS Estates
  - Threatened Flora Transect Summer (February 2023)
  - Threatened Flora Transect Spring (October 2022)
  - Survey Grid
- Plant Community Type**
- PCT 58 (Weedy understory)
  - PCT 170 (Moderate-Good)
  - PCT 170 (Weedy Understory)
  - Category 1 – Exempt Land/Cleared/Structure/ Tracks/ Road



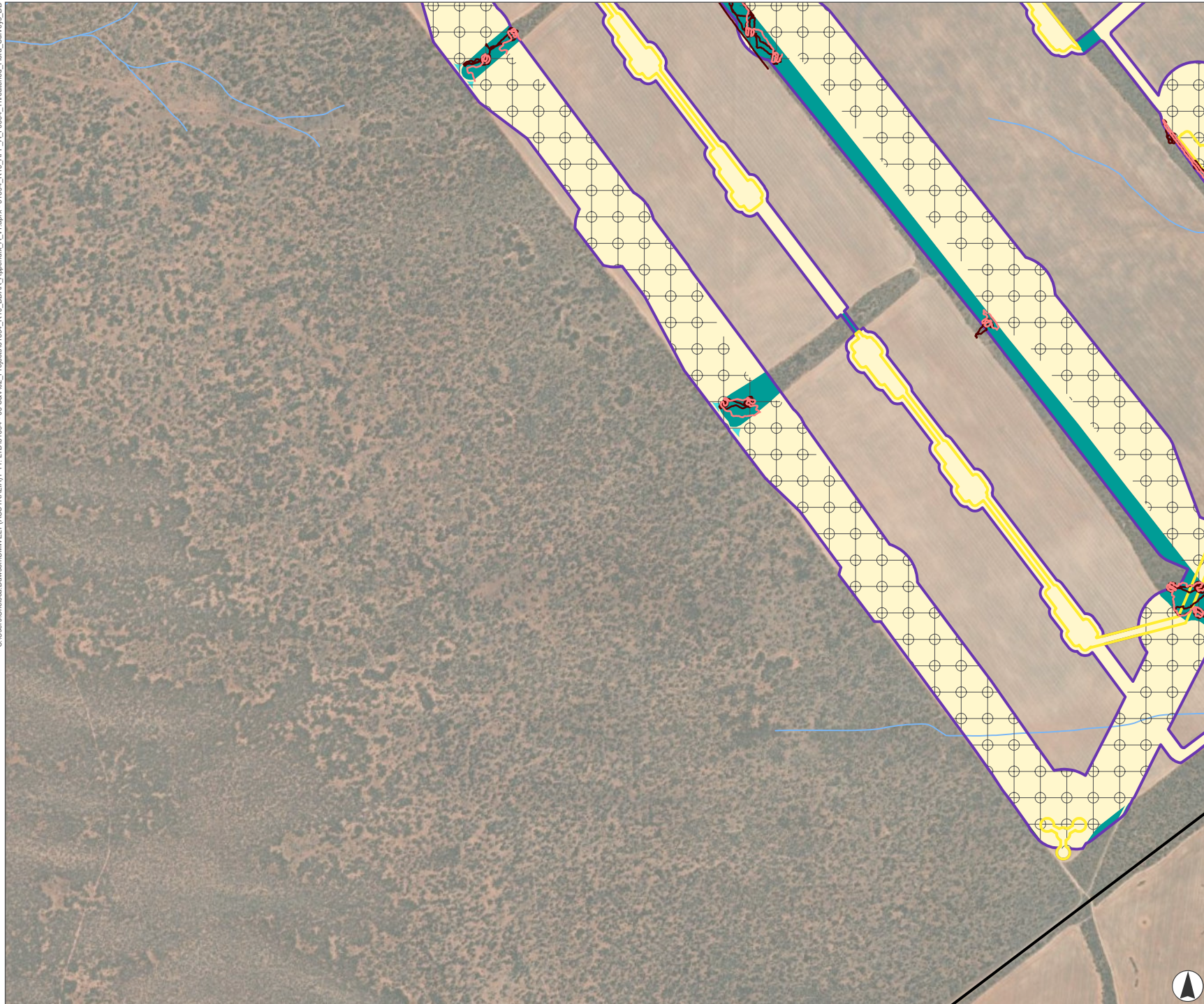
0 0.5 1  
Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt



**FIGURE 5.4.22**  
Threatened Flora Survey

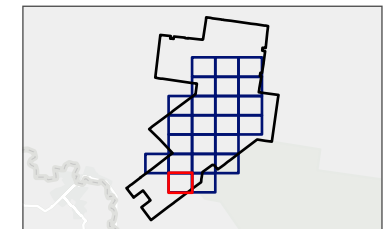


**Legend**

- Project Boundary
- Development Footprint
- Biodiversity Study Area
- Watercourse
- Threatened Flora Transect Summer (February 2023)
- Threatened Flora Transect Spring (October 2022)
- Survey Grid

**Plant Community Type**

- PCT 170 (Moderate-Good)
- PCT 58 (Moderate-Good)
- PCT 58 (Derived-Weedy)
- Category 1 – Exempt Land/Cleared/Structure/ Tracks/ Road

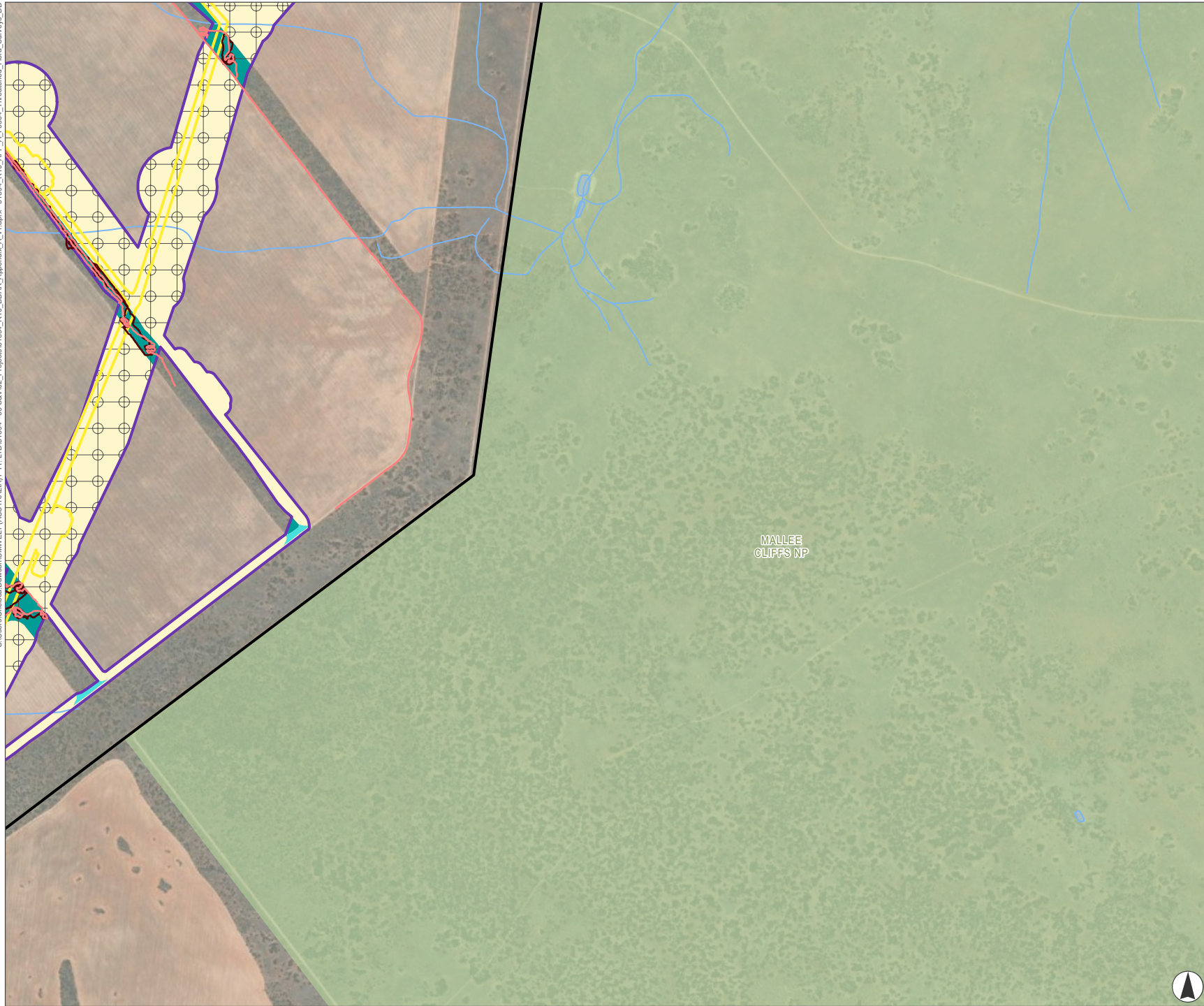


Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 88V02\_P\Projects\31894\_R10\_BDAR\_A\Appendix\_A\_V1.aprx - 31894\_R10\_APP\_A\_F0504\_Threatened\_Flora\_Surveys\_DD



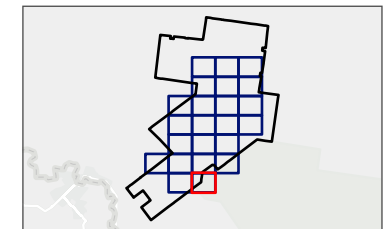
**FIGURE 5.4.23**  
Threatened Flora Survey

**Legend**

- Project Boundary
- Development Footprint
- Biodiversity Study Area
- Watercourse
- Waterbody
- NPWS Estates
- Threatened Flora Transect Summer (February 2023)
- Threatened Flora Transect Spring (October 2022)
- Survey Grid

**Plant Community Type**

- PCT 58 (Moderate-Good)
- PCT 58 (Derived-Weedy)
- Category 1 – Exempt Land/Cleared/Structure/ Tracks/ Road



Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54













This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

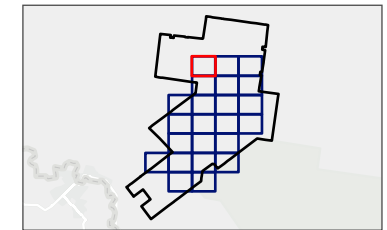




**FIGURE 5.5.1**  
**Threatened Fauna Survey**

**Legend**

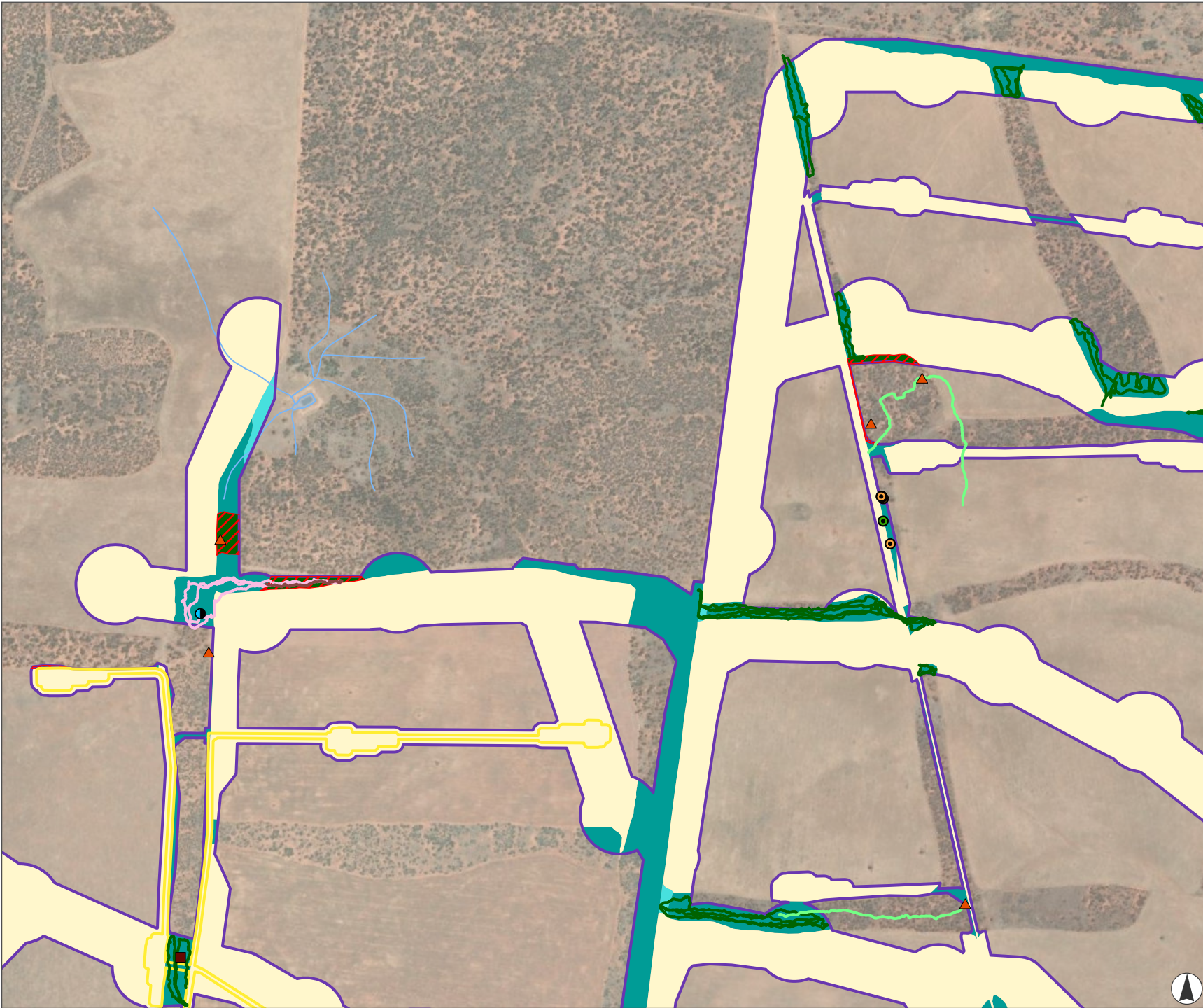
-  Project Boundary
-  Development Footprint
-  Biodiversity Study Area
-  Watercourse
-  Remote Camera
-  Nocturnal Reptile Surveys (March 2023)
- Threatened Ecological Communities - EPBC Act**
-  Mallee Bird Community of the Murray Darling Depression Bioregion EEC
- Plant Community Type**
-  PCT 170 (Moderate-Good)
-  PCT 170 (Derived-Native)
-  Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54

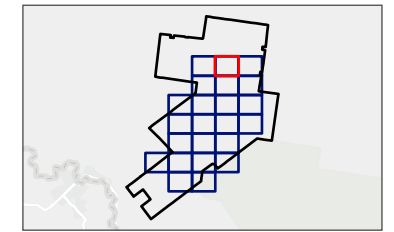


This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt



**FIGURE 5.5.2**  
Threatened Fauna Survey

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
  - Waterbody
  - Call Playback Survey Point Location
  - BBUS Vantage Point
  - Anabat Location
  - Remote Camera
  - Diurnal Bird Survey
  - Diurnal Bird Survey Transects
  - Diurnal Fauna Surveys (March 2023)
  - Nocturnal Fauna Survey (March 2023)
  - Nocturnal Reptile Surveys (March 2023)
- Threatened Ecological Communities - EPBC Act**
- Mallee Bird Community of the Murray Darling Depression Bioregion EEC
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - PCT 58 (Derived-Weedy)
  - PCT 170 (Moderate-Good)
  - Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road



0 0.5 1  
Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54












This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

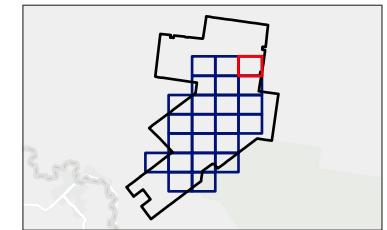
C:\Users\Chelea.Dawson\UMWELT (AUSTRALIA) PTY. LTD\31894 - 03 S&V\02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0505\_Threatened\_Fauna\_Surveys\_DD



**FIGURE 5.5.3**  
Threatened Fauna Survey

**Legend**

-  Project Boundary
-  Development Footprint
-  Biodiversity Study Area
-  Road
-  Watercourse
-  Remote Camera
-  Diurnal Fauna Surveys (March 2023)
- Plant Community Type**
-  PCT 58 (Moderate-Good)
-  Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road

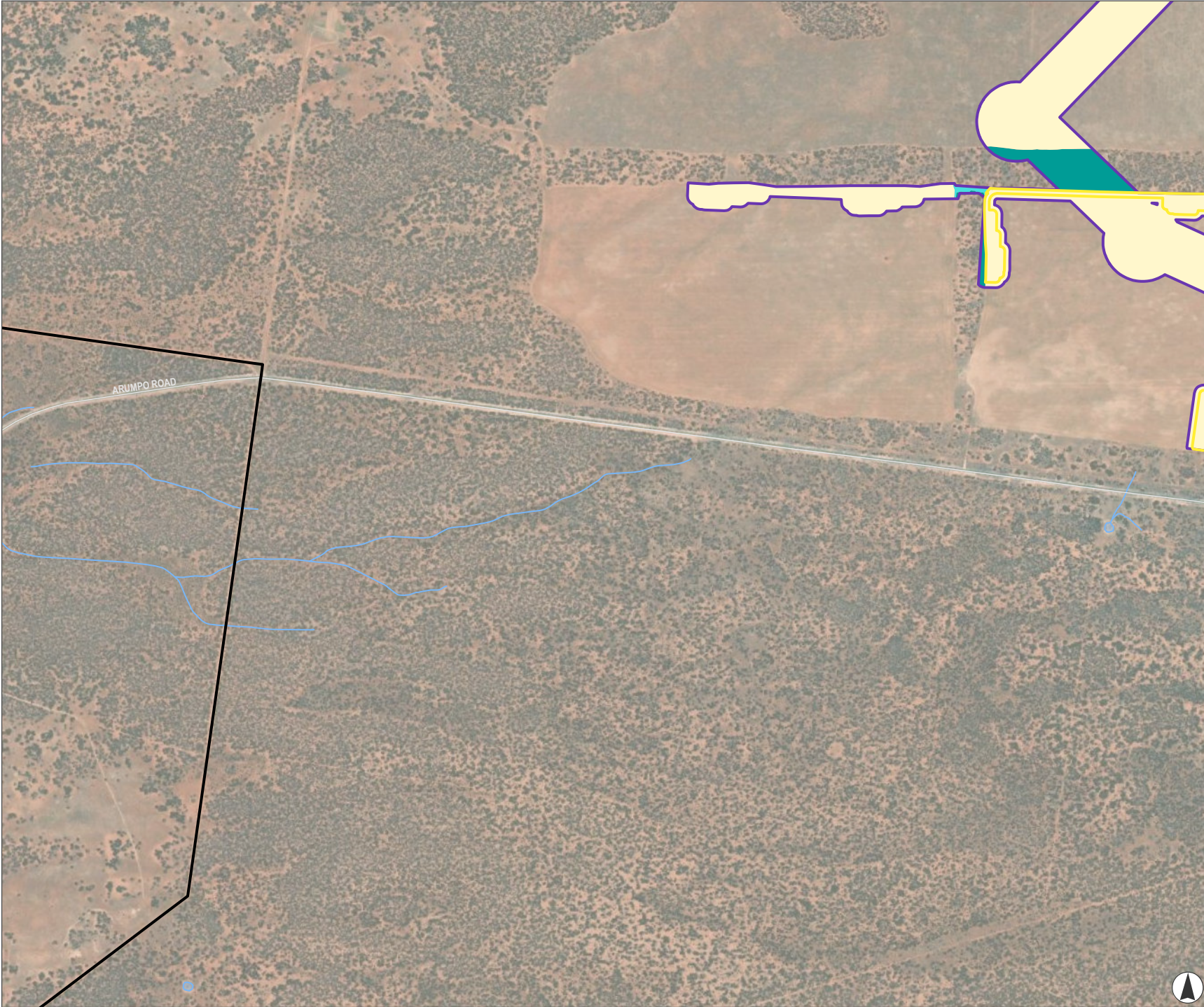


Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

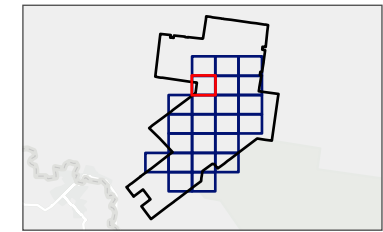
C:\Users\Chelea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03\_S&V02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0505\_Threatened\_Fauna\_Surveys\_DD



**FIGURE 5.5.4**  
**Threatened Fauna Survey**

**Legend**

- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Road
  - Watercourse
  - Waterbody
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - PCT 58 (Derived-Weedy)
  - Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road



Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt



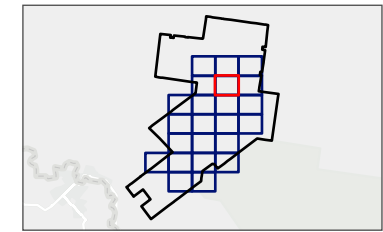
C:\Users\Chelea.Dawson\UMWELT (AUSTRALIA) PTY. LTD\31894 - 03 S&V02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0505\_Threatened\_Fauna\_Surveys\_DD



**FIGURE 5.5.5**  
Threatened Fauna Survey

**Legend**

- Project Boundary
- Development Footprint
- Biodiversity Study Area
- Road
- Call Playback Survey Point Location
- BBUS Vantage Point
- Anabat Location
- Remote Camera
- Diurnal Bird Survey
- Diurnal Bird Survey Transects
- Diurnal Fauna Surveys (March 2023)
- Nocturnal Fauna Survey (March 2023)
- Nocturnal Reptile Surveys (March 2023)
- Threatened Ecological Communities - EPBC Act**
- Mallee Bird Community of the Murray Darling Depression Bioregion EEC
- Plant Community Type**
- PCT 58 (Moderate-Good)
- PCT 58 (Derived-Weedy)
- PCT 170 (Moderate-Good)
- Dam
- Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road



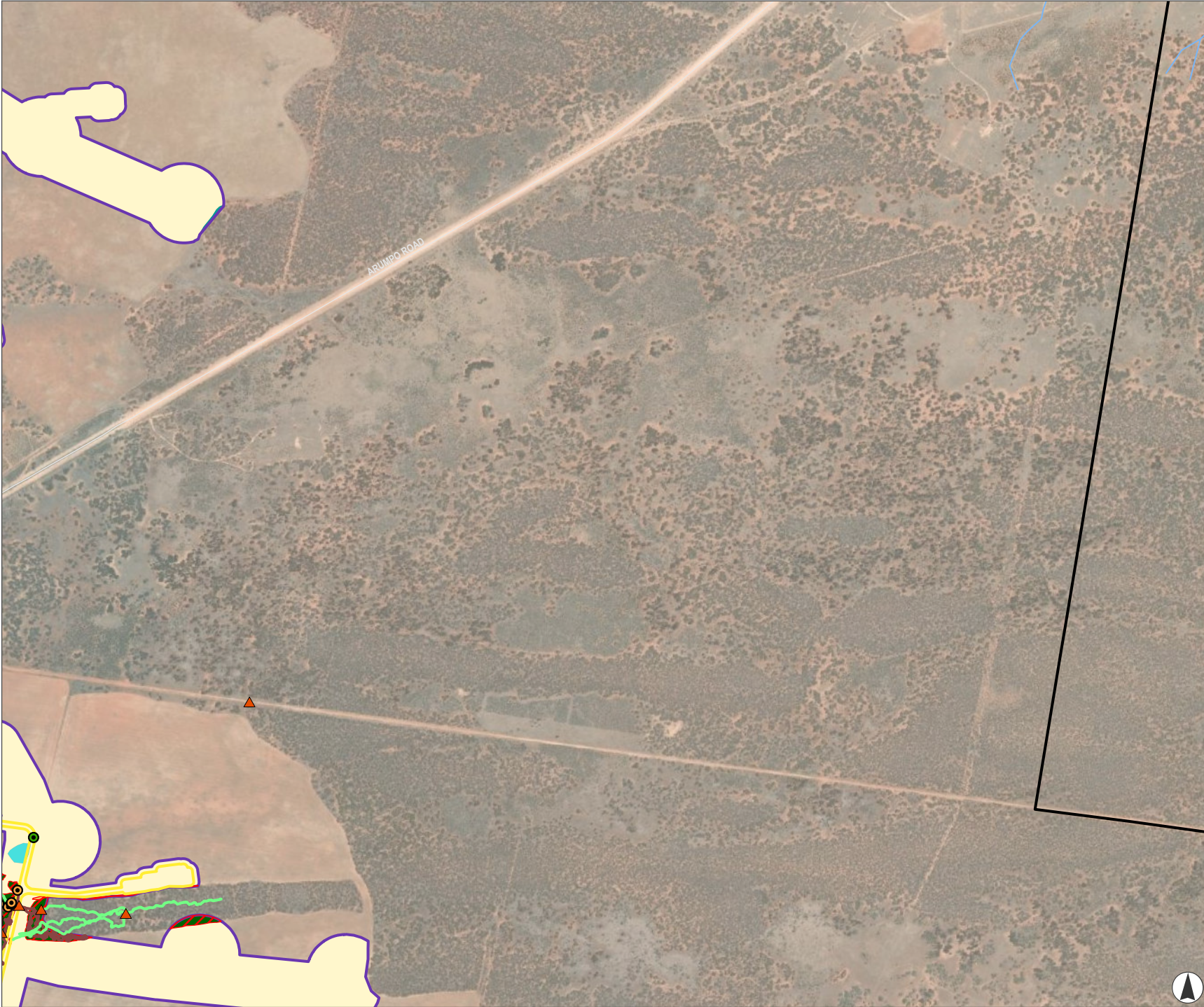
Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt



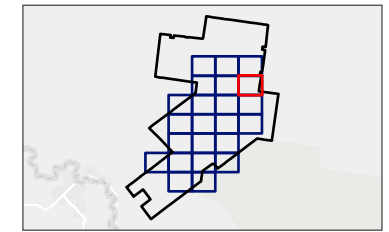
C:\Users\Chelea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 S&V\02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0505\_Threatened\_Fauna\_Surveys\_DD



**FIGURE 5.5.6**  
**Threatened Fauna Survey**

**Legend**

- Project Boundary
- Development Footprint
- Biodiversity Study Area
- Road
- Watercourse
- BBUS Vantage Point
- Anabat Location
- Remote Camera
- Diurnal Bird Survey
- Diurnal Bird Survey Transects
- Nocturnal Reptile Surveys (March 2023)
- Threatened Ecological Communities - EPBC Act**
- Mallee Bird Community of the Murray Darling Depression Bioregion EEC
- Plant Community Type**
- PCT 58 (Moderate-Good)
- PCT 58 (Derived-Weedy)
- PCT 170 (Moderate-Good)
- PCT 171 (Moderate-Good)
- Category 1 - Exempt Land/Cleared/ Structure/ Tracks/ Road

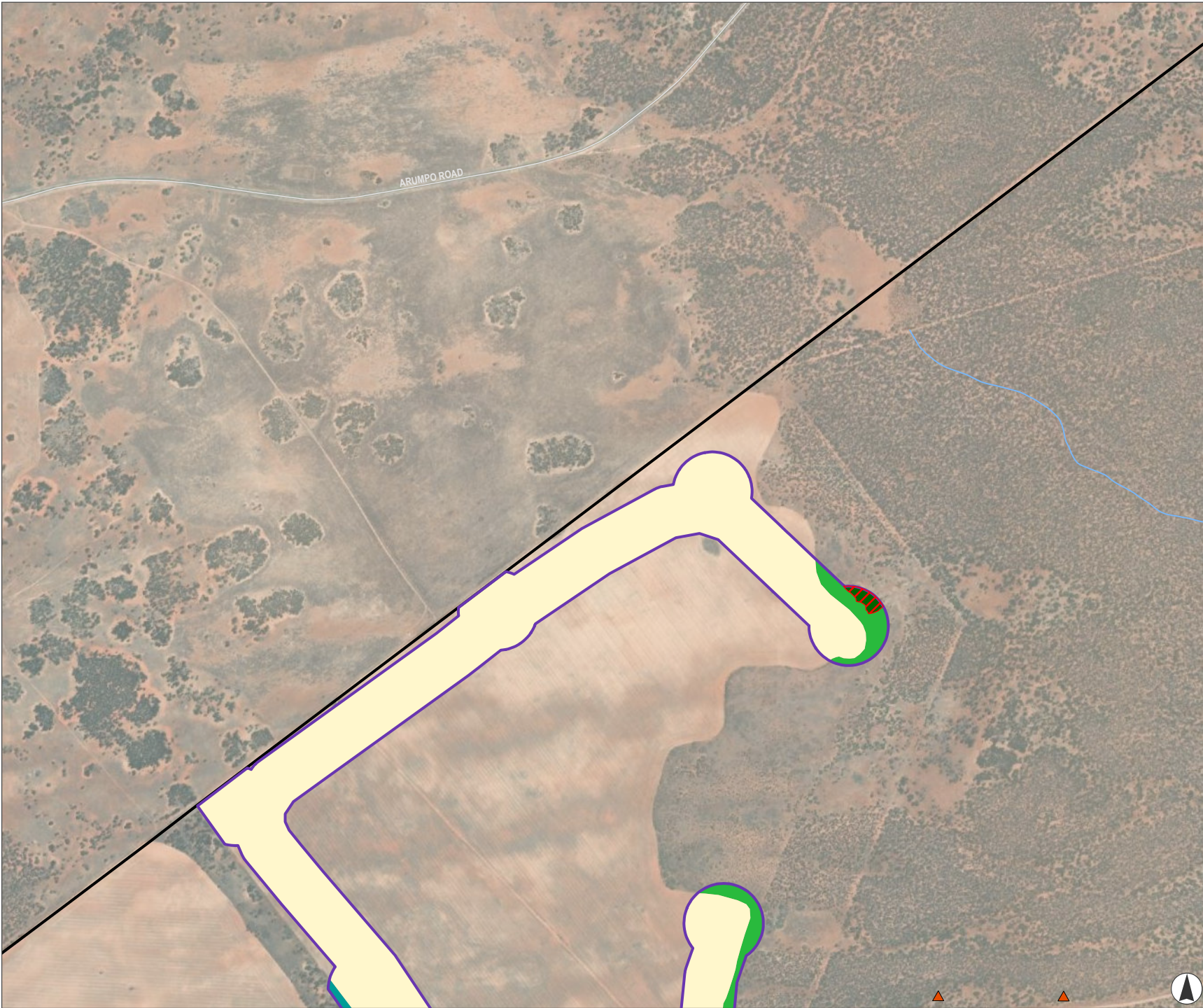


Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



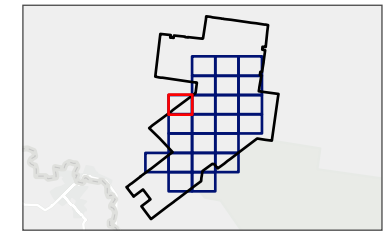
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelsea.Dawson\UMWELT (AUSTRALIA) PTY. LTD\31894 - 03 S&V02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0905\_Threatened\_Fauna\_Surveys\_DD



**FIGURE 5.5.7**  
Threatened Fauna Survey

- Legend**
- Project Boundary
  - Biodiversity Study Area
  - Road
  - Watercourse
  - Diurnal Bird Survey
- Threatened Ecological Communities - EPBC Act**
- Mallee Bird Community of the Murray Darling Depression Bioregion EEC
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - PCT 170 (Moderate-Good)
  - PCT 170 (Derived-Native)
  - Category 1 - Exempt Land/Cleared/ Structure/ Tracks/ Road



Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54

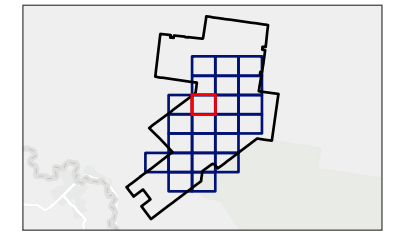


This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

**FIGURE 5.5.8**  
Threatened Fauna Survey



- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
  - Waterbody
  - BBUS Vantage Point
  - Anabat Location
  - Diurnal Bird Survey
  - Diurnal Bird Survey Transects
  - Diurnal Fauna Surveys (March 2023)
- Threatened Ecological Communities - EPBC Act**
- Mallee Bird Community of the Murray Darling Depression Bioregion EEC
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - PCT 58 (Derived-Weedy)
  - PCT 170 (Moderate-Good)
  - PCT 170 (Derived-Native)
  - PCT 170 (Derived-Weedy)
  - Category 1 - Exempt Land/Cleared/ Structure/ Tracks/ Road



0 0.5 1  
Kilometres

Scale 1:20,000 at A4  
GDA2020 MGA Zone 54

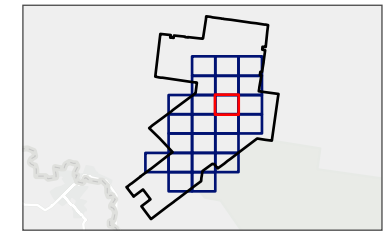


This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt



**FIGURE 5.5.9**  
Threatened Fauna Survey

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
  - Waterbody
  - Call Playback Survey Point Location
  - BBUS Vantage Point
  - Anabat Location
  - Remote Camera
  - Diurnal Bird Survey
  - Diurnal Bird Survey Transects
  - Diurnal Fauna Surveys (March 2023)
  - Nocturnal Fauna Survey (March 2023)
  - Nocturnal Reptile Surveys (March 2023)
- Threatened Ecological Communities - EPBC Act**
- Mallee Bird Community of the Murray Darling Depression Bioregion EEC
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - PCT 58 (Derived-Weedy)
  - PCT 170 (Moderate-Good)
  - PCT 170 (Derived-Native)
  - PCT 170 (Derived-Weedy)
  - Dam
  - Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road

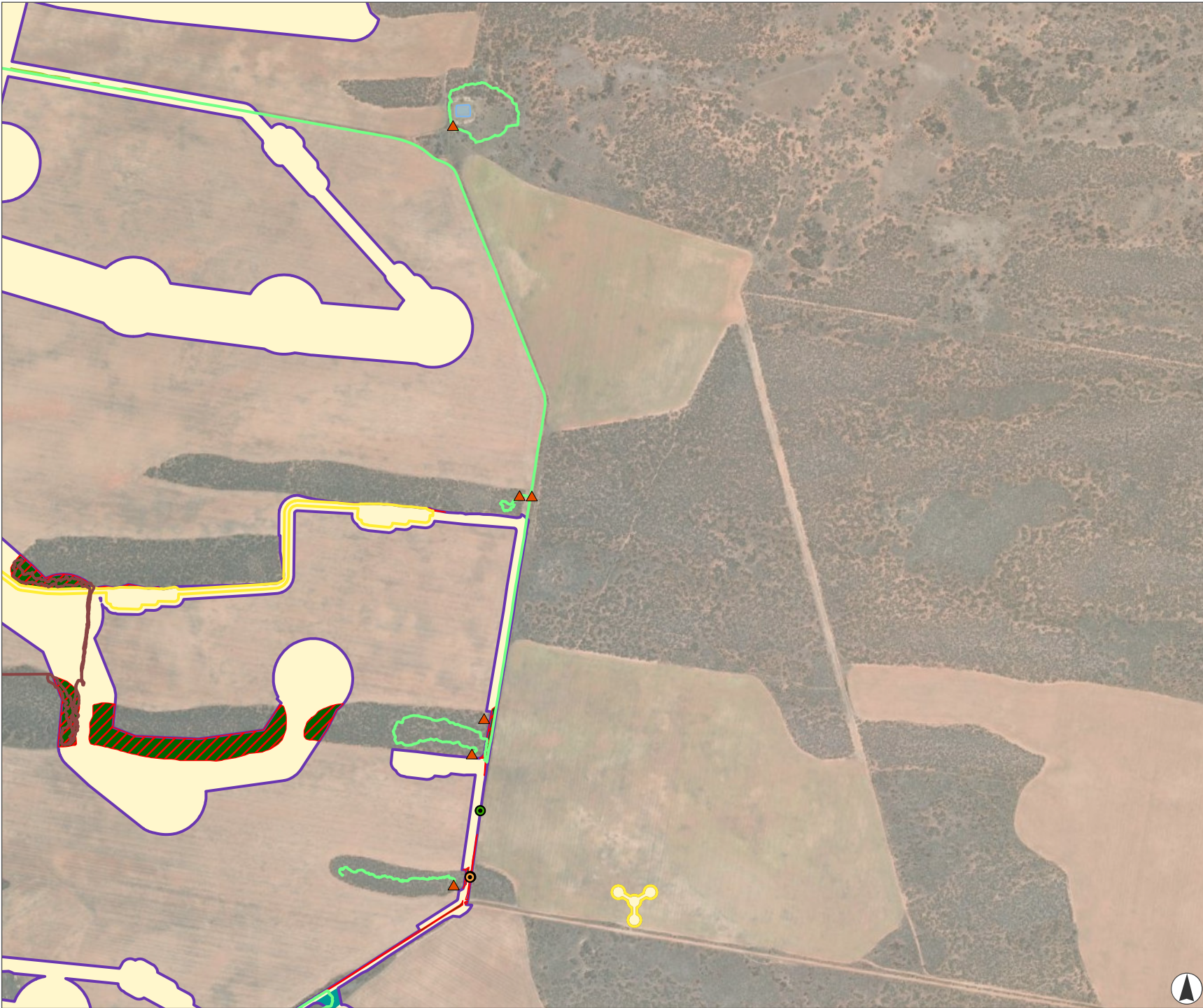


Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

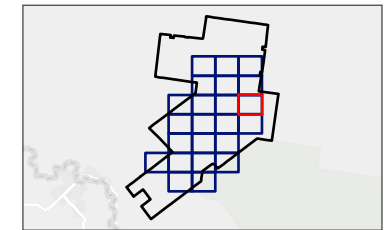
C:\Users\Chelea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 S&V02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0505\_Threatened\_Fauna\_Surveys\_DD



**FIGURE 5.5.10**  
**Threatened Fauna Survey**

**Legend**

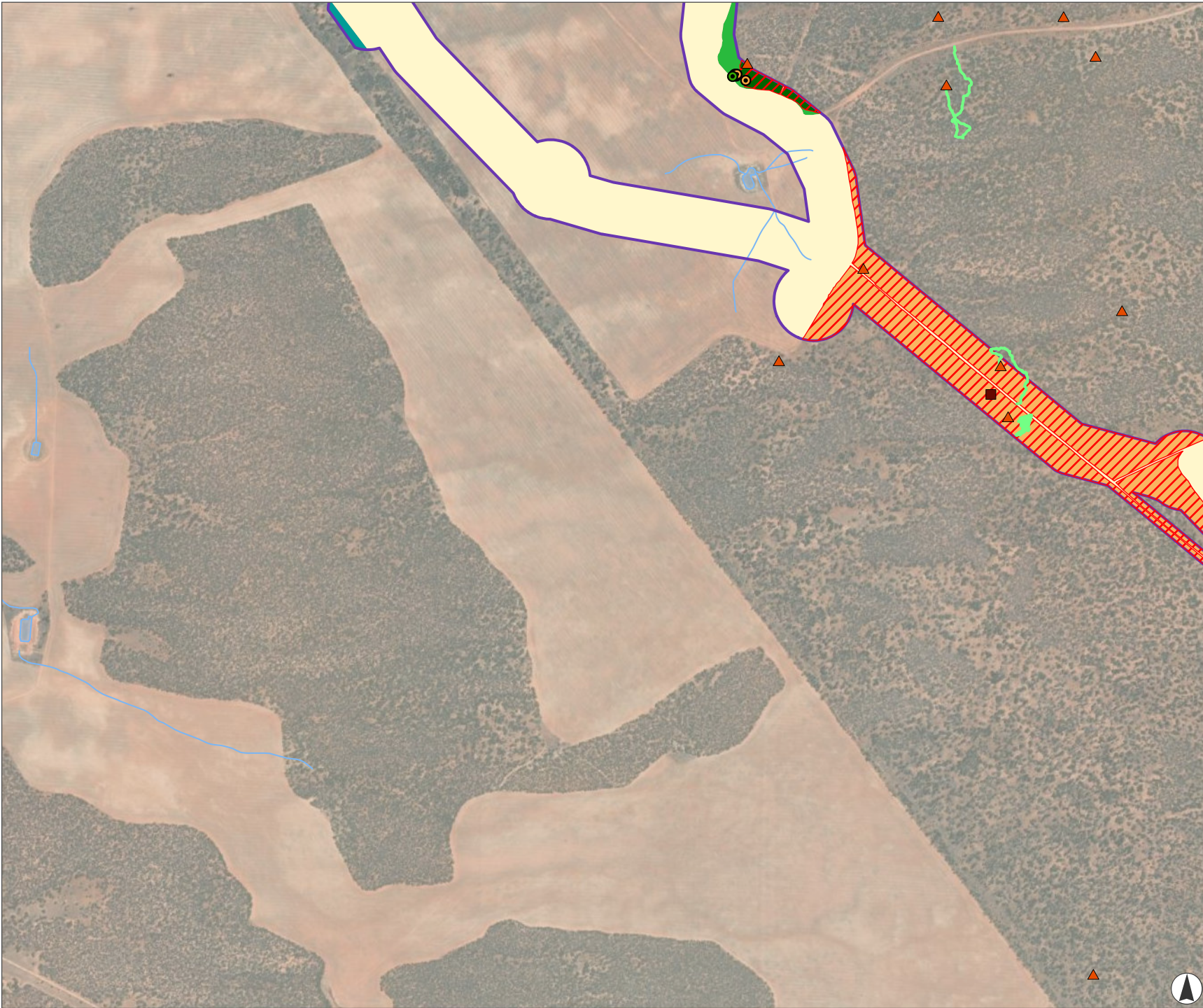
- Project Boundary
- Development Footprint
- Biodiversity Study Area
- Waterbody
- BBUS Vantage Point
- Anabat Location
- Diurnal Bird Survey
- Diurnal Bird Survey Transects
- Nocturnal Reptile Surveys (March 2023)
- Threatened Ecological Communities - EPBC Act**
- Mallee Bird Community of the Murray Darling Depression Bioregion EEC
- Plant Community Type**
- PCT 58 (Moderate-Good)
- PCT 170 (Moderate-Good)
- PCT 170 (Derived-Weedy)
- PCT 171 (Moderate-Good)
- Category 1 - Exempt Land/Cleared/ Structure/ Tracks/ Road



Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54

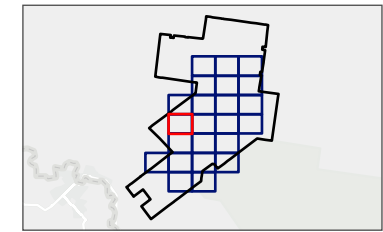


This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt



**FIGURE 5.5.11**  
Threatened Fauna Survey

- Legend**
- Project Boundary
  - Biodiversity Study Area
  - Watercourse
  - Waterbody
  - BBUS Vantage Point
  - Anabat Location
  - Remote Camera
  - Diurnal Bird Survey
  - Diurnal Bird Survey Transects
- Threatened Ecological Communities - EPBC Act**
- Mallee Bird Community of the Murray Darling Depression Bioregion EEC
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - PCT 170 (Moderate-Good)
  - PCT 170 (Derived-Native)
  - PCT 171 (Moderate-Good)
  - Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road

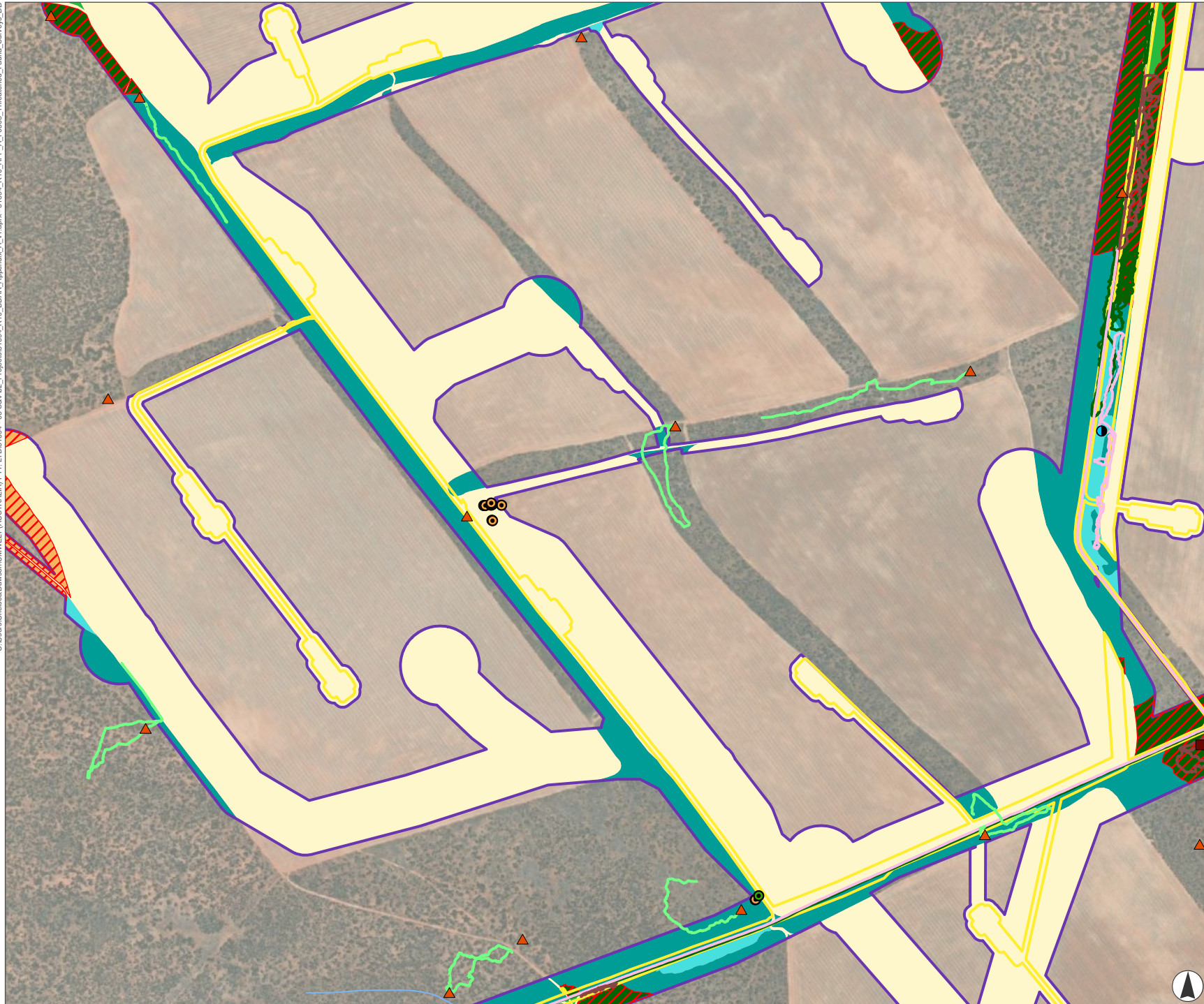


Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54

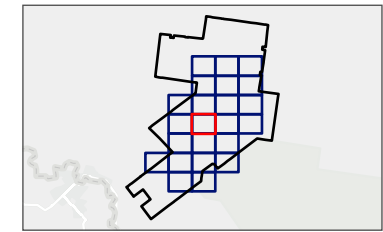


This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

**FIGURE 5.5.12**  
**Threatened Fauna Survey**



- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
  - Call Playback Survey Point Location
  - BBUS Vantage Point
  - Anabat Location
  - Remote Camera
  - Diurnal Bird Survey
  - Diurnal Bird Survey Transects
  - Diurnal Fauna Surveys (March 2023)
  - Nocturnal Fauna Survey (March 2023)
  - Nocturnal Reptile Surveys (March 2023)
- Threatened Ecological Communities - EPBC Act**
- Mallee Bird Community of the Murray Darling
  - Depression Bioregion EEC
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - PCT 58 (Derived-Weedy)
  - PCT 170 (Moderate-Good)
  - PCT 170 (Derived-Native)
  - PCT 171 (Moderate-Good)
  - Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road



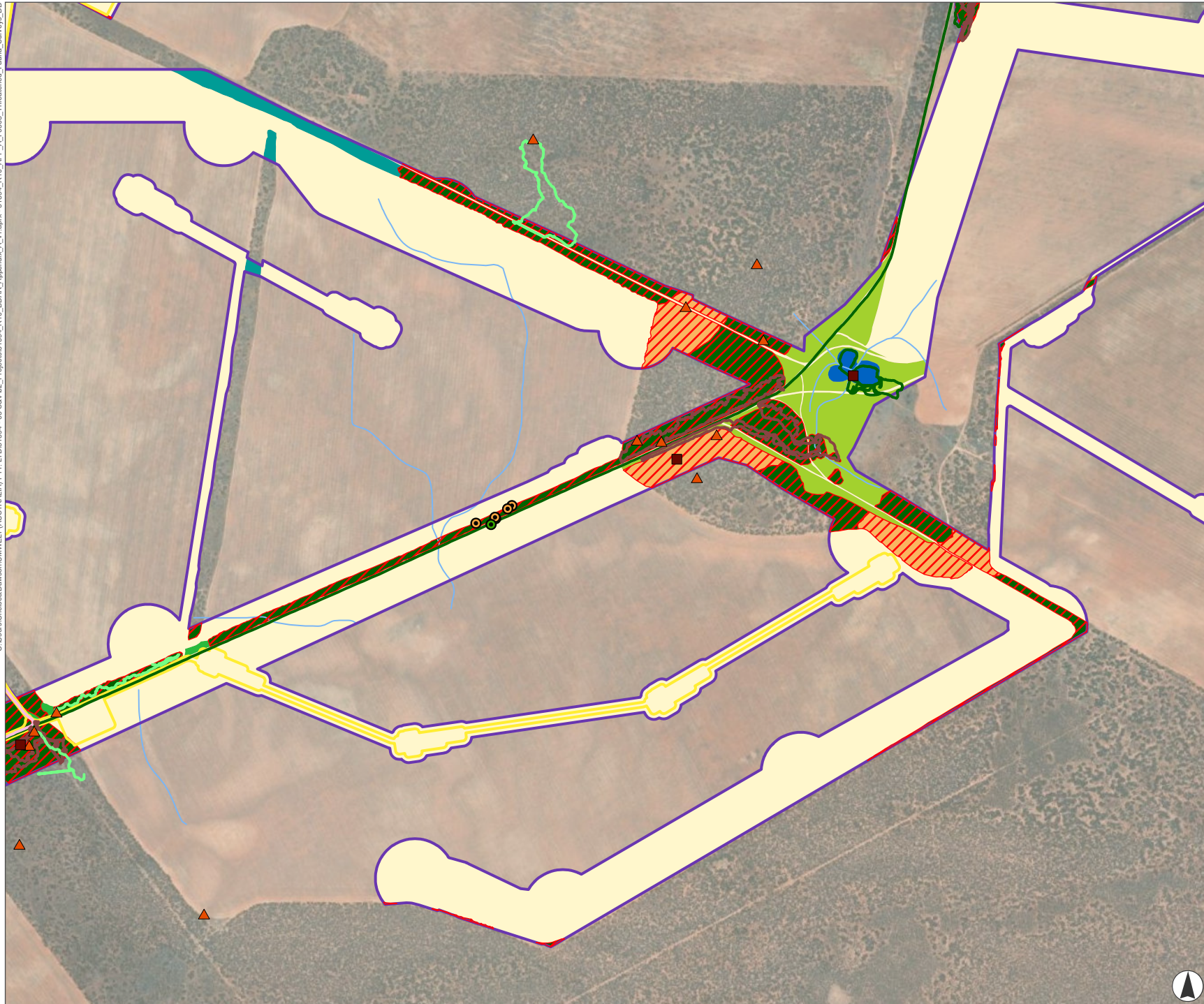
0 0.5 1  
 Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



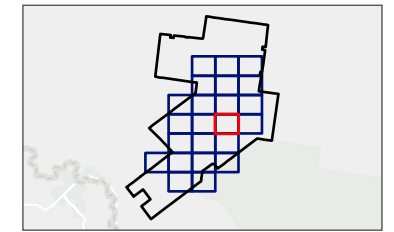
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelea.Dawson\UMWELT (AUSTRALIA) PTY. LTD\31894 - 03 S&V02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0505\_Threatened\_Fauna\_Surveys\_DD

**FIGURE 5.5.13**  
Threatened Fauna Survey



- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
  - Waterbody
  - BBUS Vantage Point
  - Anabat Location
  - Remote Camera
  - Diurnal Bird Survey
  - Diurnal Bird Survey Transects
  - Diurnal Fauna Surveys (March 2023)
  - Nocturnal Fauna Survey (March 2023)
  - Nocturnal Reptile Surveys (March 2023)
- Threatened Ecological Communities - EPBC Act**
- Mallee Bird Community of the Murray Darling Depression Bioregion EEC
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - PCT 170 (Moderate-Good)
  - PCT 170 (Derived-Native)
  - PCT 170 (Derived-Weedy)
  - PCT 171 (Moderate-Good)
  - Dam
  - Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road



Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt



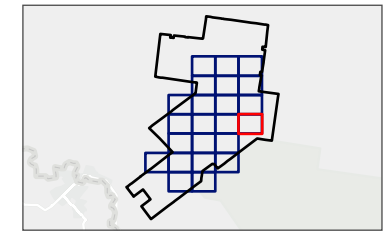
C:\Users\Chelea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 S&V02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0905\_Threatened\_Fauna\_Surveys\_DD



**FIGURE 5.5.14**  
**Threatened Fauna Survey**

**Legend**

- Project Boundary
- Biodiversity Study Area
- Diurnal Bird Survey
- Diurnal Bird Survey Transects
- Threatened Ecological Communities - EPBC Act**
- Mallee Bird Community of the Murray Darling Depression Bioregion EEC
- Plant Community Type**
- PCT 58 (Moderate-Good)
- PCT 170 (Moderate-Good)
- PCT 170 (Derived-Native)
- PCT 170 (Derived-Weedy)
- Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road

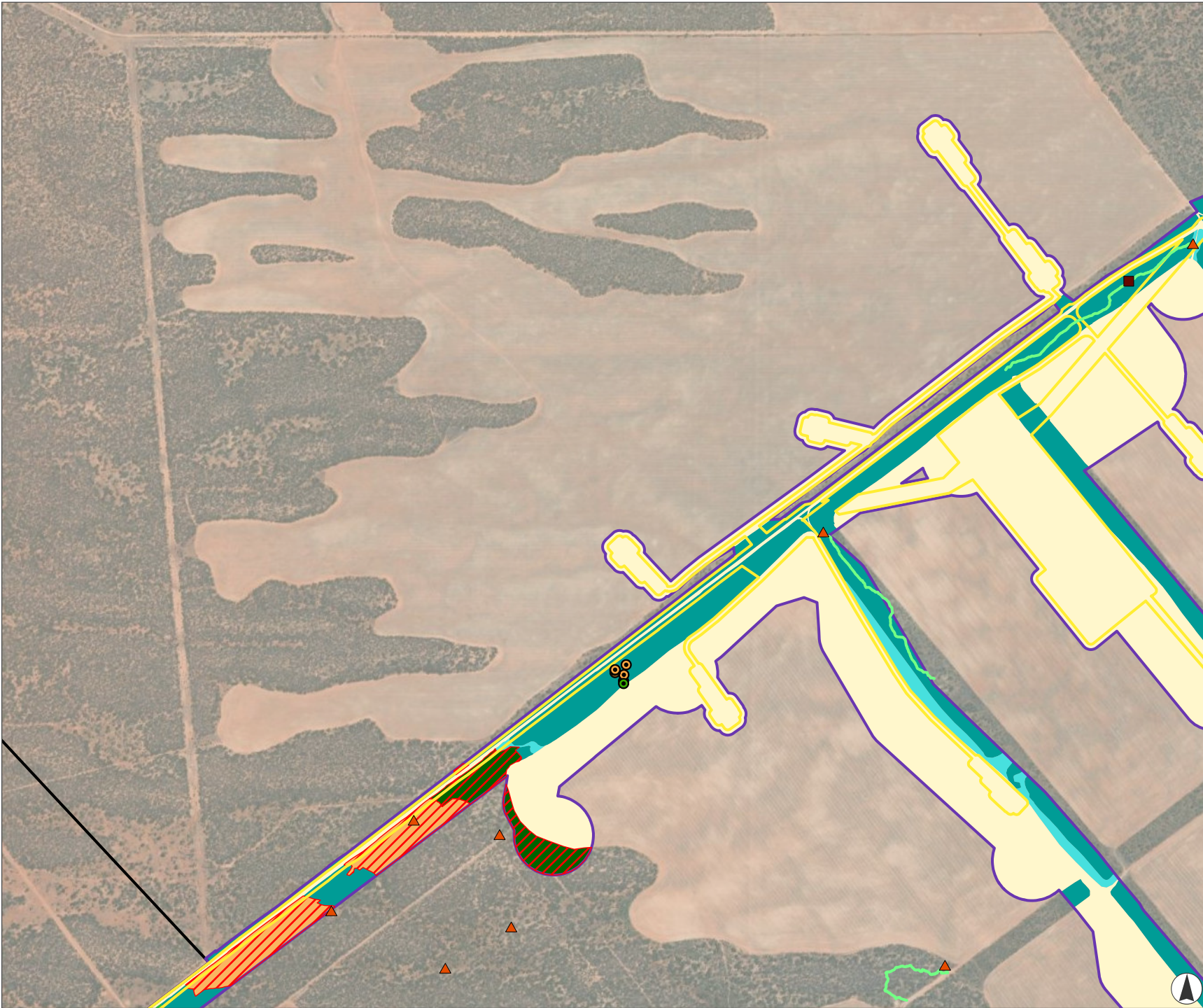


Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



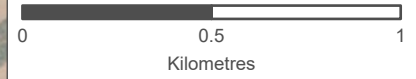
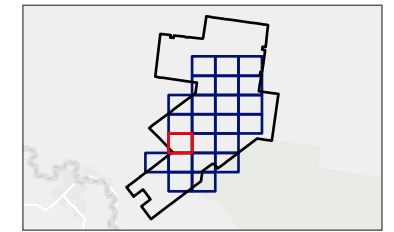
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt





**FIGURE 5.5.15**  
**Threatened Fauna Survey**

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - BBUS Vantage Point
  - Anabat Location
  - Remote Camera
  - Diurnal Bird Survey
  - Diurnal Bird Survey Transects
- Threatened Ecological Communities - EPBC Act**
- Mallee Bird Community of the Murray Darling Depression Bioregion EEC
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - PCT 58 (Derived-Weedy)
  - PCT 170 (Moderate-Good)
  - PCT 170 (Derived-Native)
  - PCT 171 (Moderate-Good)
  - Category 1 - Exempt Land/Cleared/ Structure/ Tracks/ Road

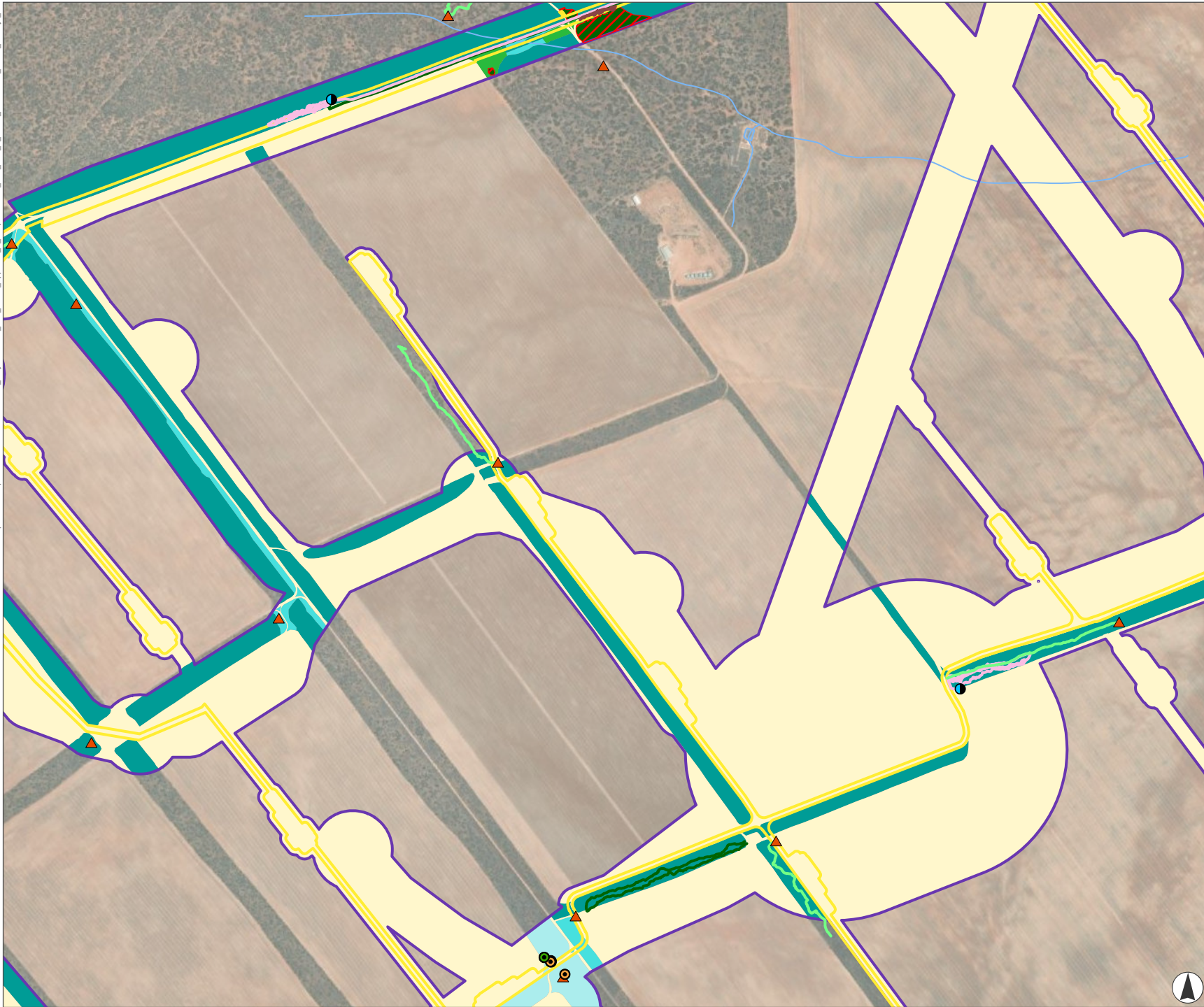


Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

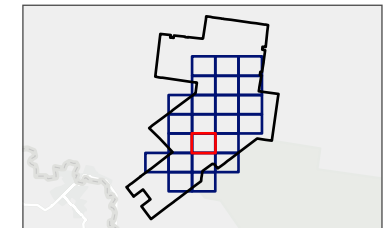
C:\Users\Chelea.Dawson\UMWELT (AUSTRALIA) PTY. LTD\31894 - 03 S&V02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0505\_Threatened\_Fauna\_Surveys\_DD



**FIGURE 5.5.16**  
**Threatened Fauna Survey**

**Legend**

- Project Boundary
- Development Footprint
- Biodiversity Study Area
- Watercourse
- Waterbody
- Call Playback Survey Point Location
- BBUS Vantage Point
- Anabat Location
- Diurnal Bird Survey
- Diurnal Bird Survey Transects
- Diurnal Fauna Surveys (March 2023)
- Nocturnal Fauna Survey (March 2023)
- Nocturnal Reptile Surveys (March 2023)
- Threatened Ecological Communities - EPBC Act**
- Mallee Bird Community of the Murray Darling Depression Bioregion EEC
- Plant Community Type**
- PCT 58 (Moderate-Good)
- PCT 58 (Derived-Weedy)
- PCT 58 (Weedy understory)
- PCT 170 (Moderate-Good)
- PCT 170 (Derived-Native)
- Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road



Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

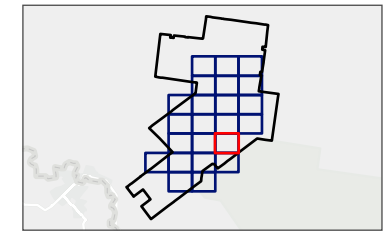
C:\Users\Chelesea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03\_S&V02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0505\_Threatened\_Fauna\_Surveys\_DD



**FIGURE 5.5.17**  
**Threatened Fauna Survey**

**Legend**

- Project Boundary
- Development Footprint
- Biodiversity Study Area
- Watercourse
- Waterbody
- NPWS Estates
- Remote Camera
- Diurnal Bird Survey
- Diurnal Bird Survey Transects
- Nocturnal Reptile Surveys (March 2023)
- Threatened Ecological Communities - EPBC Act**
- Mallee Bird Community of the Murray Darling Depression Bioregion EEC
- Plant Community Type**
- PCT 58 (Moderate-Good)
- PCT 58 (Weedy understory)
- PCT 170 (Moderate-Good)
- Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road

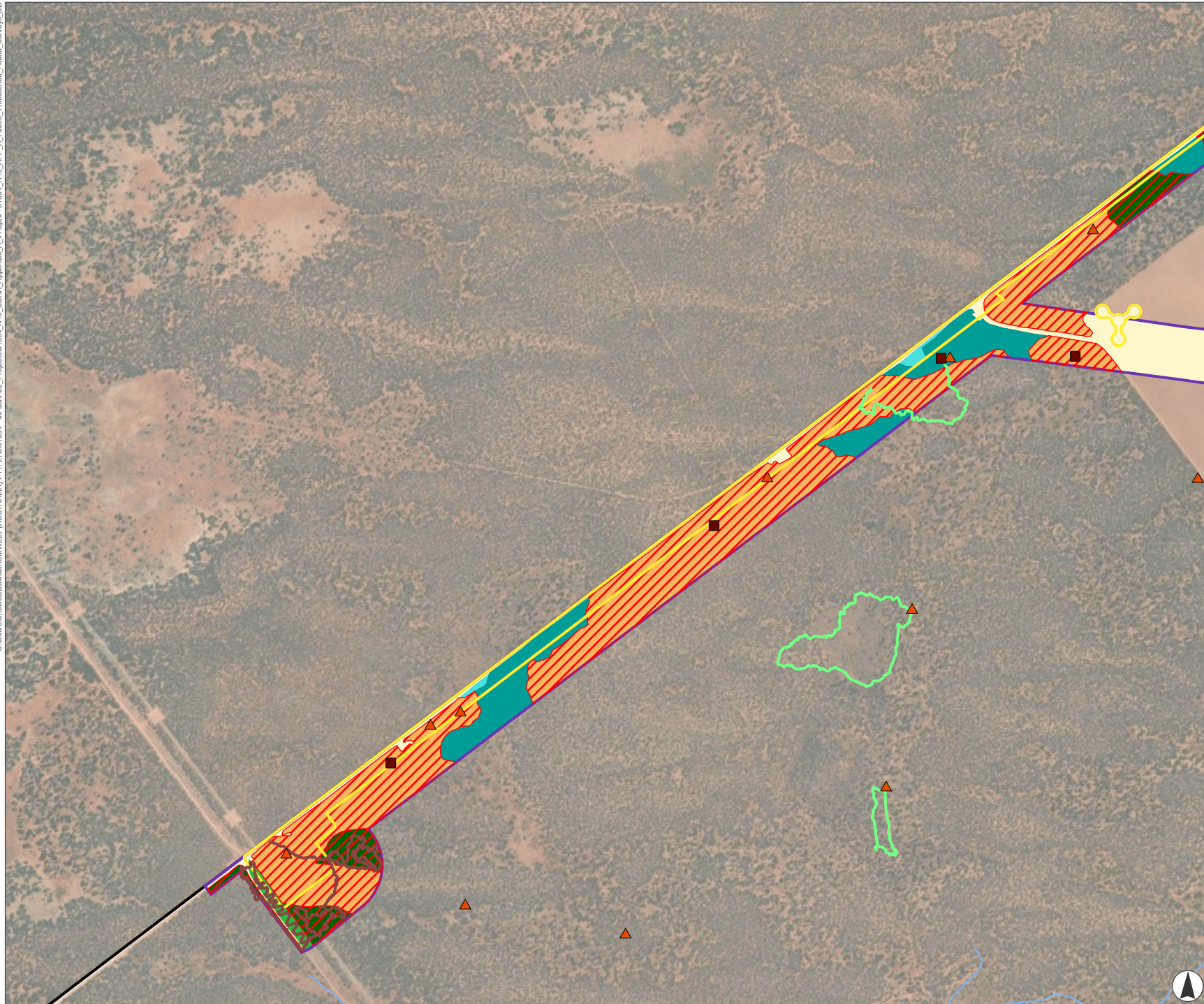


Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54

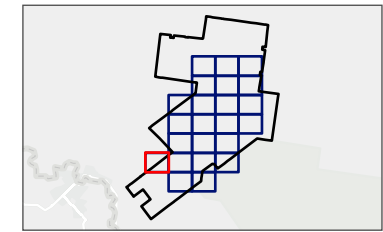


This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

**FIGURE 5.5.18**  
Threatened Fauna Survey



- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Road
  - Watercourse
  - Waterbody
  - Remote Camera
  - Diurnal Bird Survey
  - Diurnal Bird Survey Transects
  - Nocturnal Reptile Surveys (March 2023)
- Threatened Ecological Communities - EPBC Act**
- Mallee Bird Community of the Murray Darling Depression Bioregion EEC
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - PCT 58 (Derived-Weedy)
  - PCT 170 (Moderate-Good)
  - PCT 170 (Derived-Native)
  - PCT 171 (Moderate-Good)
  - Category 1 - Exempt Land/Cleared/ Structure/ Tracks/ Road



0 0.5 1  
Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54

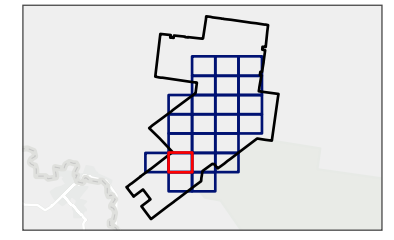


This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

**FIGURE 5.5.19**  
**Threatened Fauna Survey**



- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
  - BBUS Vantage Point
  - Anabat Location
  - Remote Camera
  - Diurnal Bird Survey
  - Diurnal Bird Survey Transects
  - Diurnal Fauna Surveys (March 2023)
  - Nocturnal Fauna Survey (March 2023)
  - Nocturnal Reptile Surveys (March 2023)
- Threatened Ecological Communities - EPBC Act**
- Mallee Bird Community of the Murray Darling Depression Bioregion EEC
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - PCT 58 (Derived-Weedy)
  - PCT 170 (Moderate-Good)
  - PCT 170 (Derived-Native)
  - PCT 171 (Moderate-Good)
  - Category 1 - Exempt Land/Cleared/ Structure/ Tracks/ Road



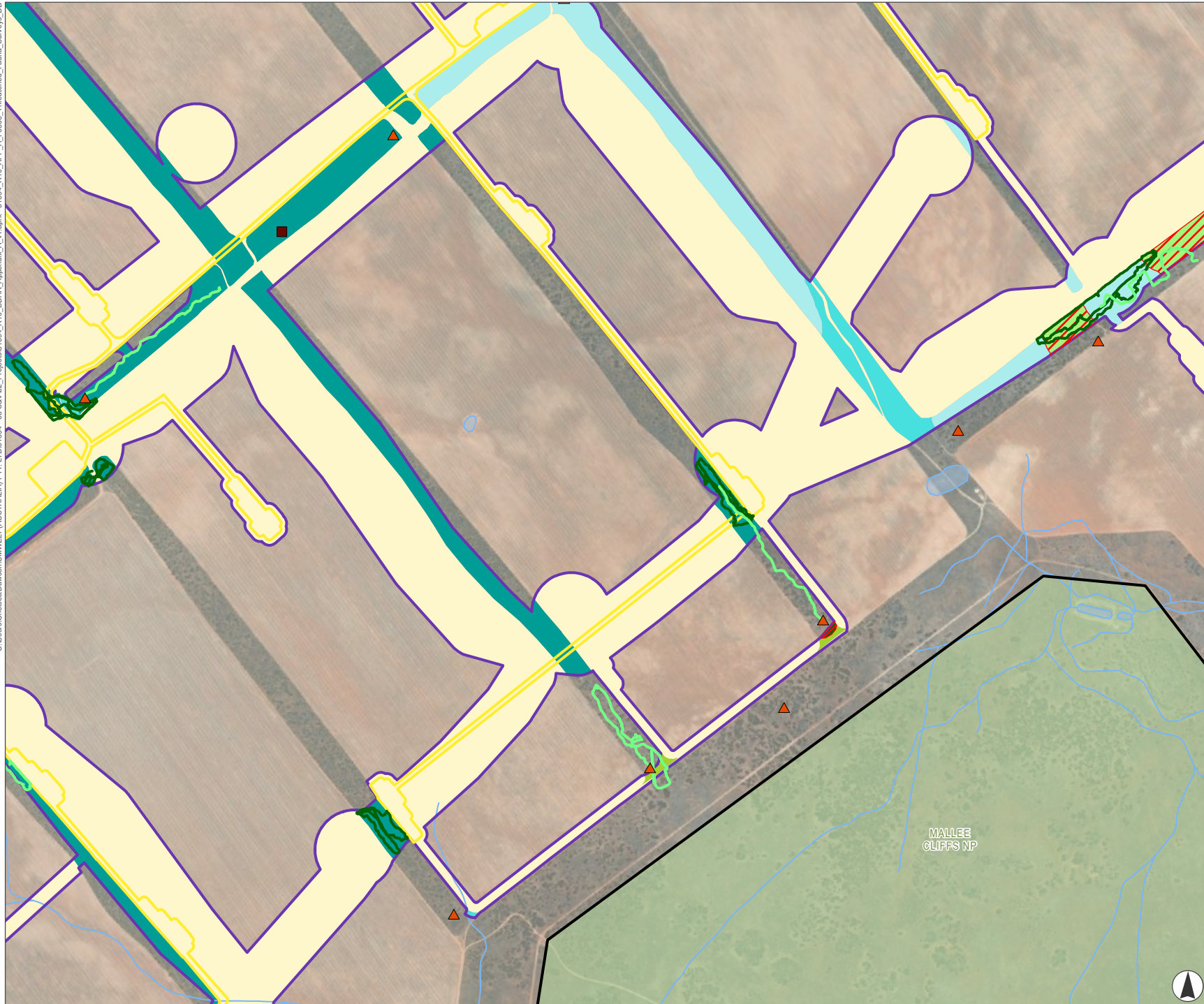
0 0.5 1  
 Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



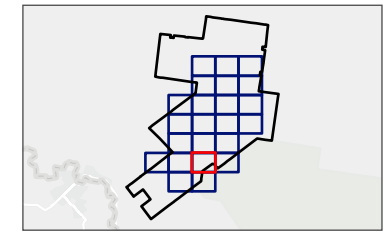
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03\_S&V02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0505\_Threatened\_Fauna\_Surveys\_DD

# FIGURE 5.5.20 Threatened Fauna Survey



- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
  - Waterbody
  - NPWS Estates
  - Remote Camera
  - Diurnal Bird Survey
  - Diurnal Bird Survey Transects
  - Diurnal Fauna Surveys (March 2023)
- Threatened Ecological Communities - EPBC Act**
- Mallee Bird Community of the Murray Darling Depression Bioregion EEC
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - PCT 58 (Derived-Weedy)
  - PCT 58 (Weedy understorey)
  - PCT 170 (Moderate-Good)
  - PCT 170 (Derived-Weedy)
  - PCT 170 (Weedy Understorey)
  - Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road



Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



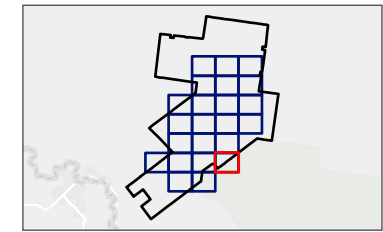
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 S&V02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0505\_Threatened\_Fauna\_Surveys\_DD



**FIGURE 5.5.21**  
Threatened Fauna Survey

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
  - NPWS Estates
  - BBUS Vantage Point
  - Anabat Location
  - Diurnal Bird Survey
  - Diurnal Bird Survey Transects
  - Diurnal Fauna Surveys (March 2023)
  - Nocturnal Fauna Survey (March 2023)
  - Nocturnal Reptile Surveys (March 2023)
- Threatened Ecological Communities - EPBC Act**
- Mallee Bird Community of the Murray Darling Depression Bioregion EEC
- Plant Community Type**
- PCT 58 (Weedy understorey)
  - PCT 170 (Moderate-Good)
  - PCT 170 (Weedy Understorey)
  - Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road



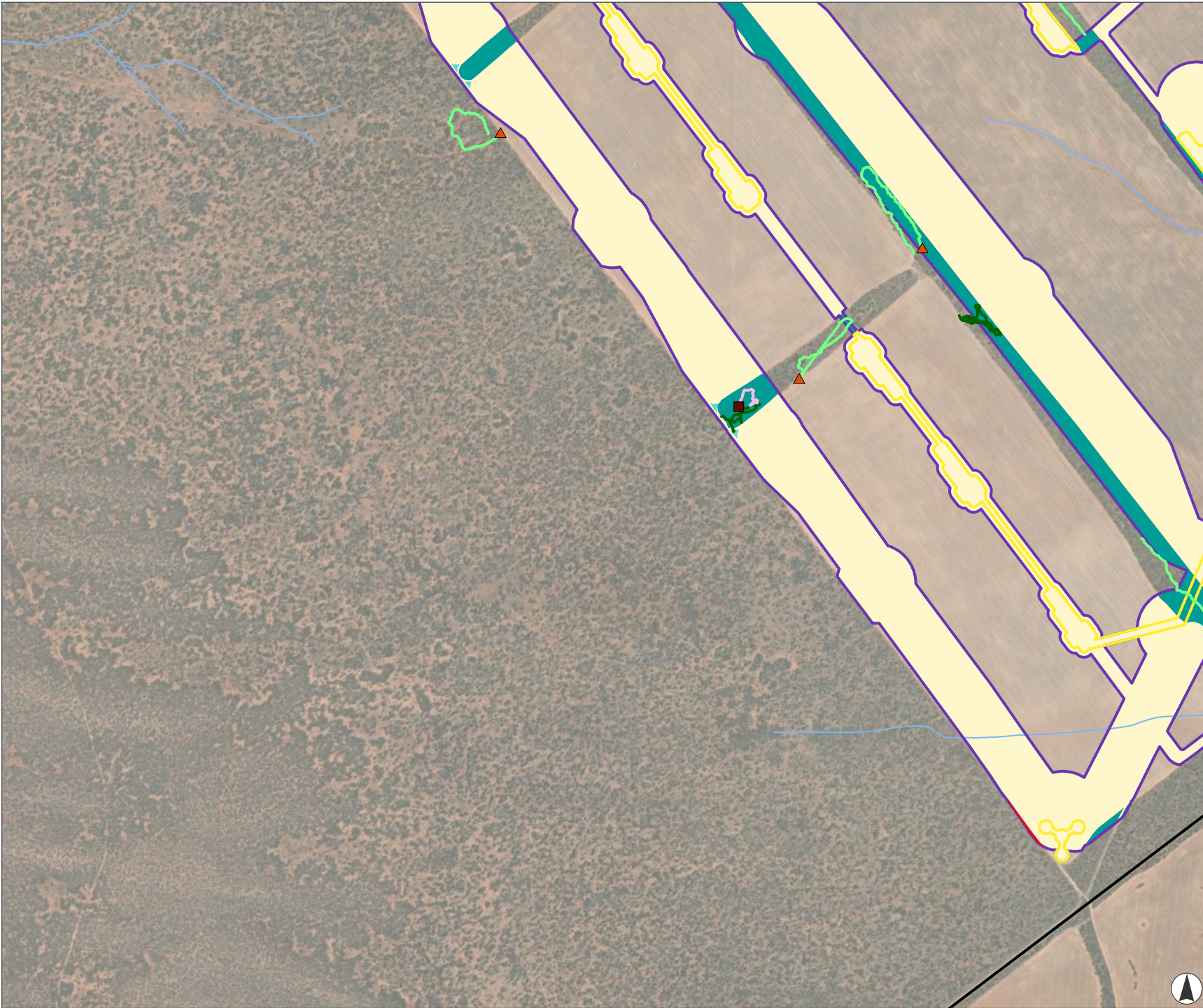
Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt

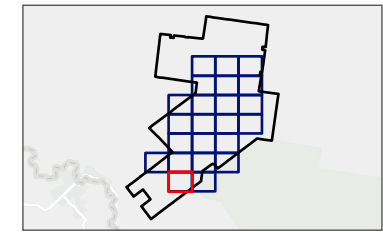






**FIGURE 5.5.22**  
**Threatened Fauna Survey**

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
  - Remote Camera
  - Diurnal Bird Survey
  - Diurnal Bird Survey Transects
  - Diurnal Fauna Surveys (March 2023)
  - Nocturnal Fauna Survey (March 2023)
- Threatened Ecological Communities - EPBC Act**
- Mallee Bird Community of the Murray Darling Depression Bioregion EEC
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - PCT 58 (Derived-Weedy)
  - PCT 170 (Moderate-Good)
  - Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road

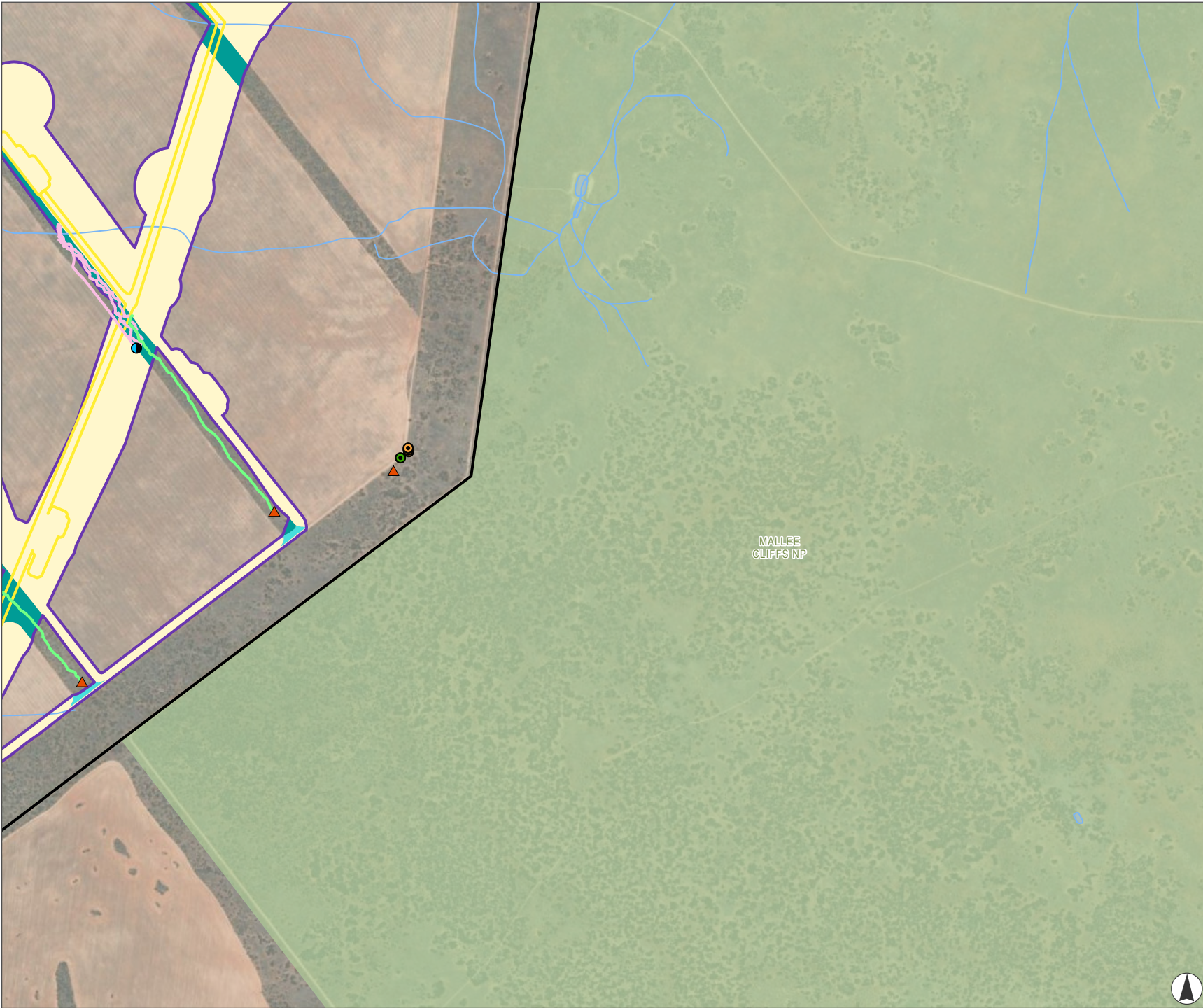


Kilometres  
 Scale 1:20,000 at A4  
 GDA2020 MGA Zone 54



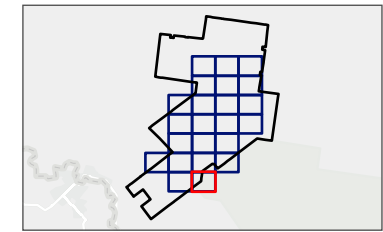
This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
 APPROVED FOR AND ON BEHALF OF Umwelt

C:\Users\Chelea.Dawson\Umwelt (AUSTRALIA) PTY. LTD\31894 - 03 S&V\02\_Projects\31894\_R10\_BDAR\_Appendix\_A\_v1.aprx - 31894\_R10\_APP\_A\_F0505\_Threatened Fauna Surveys\_DD



**FIGURE 5.5.23**  
Threatened Fauna Survey

- Legend**
- Project Boundary
  - Development Footprint
  - Biodiversity Study Area
  - Watercourse
  - Waterbody
  - NPWS Estates
  - Call Playback Survey Point Location
  - BBUS Vantage Point
  - Anabat Location
  - Diurnal Bird Survey
  - Diurnal Bird Survey Transects
  - Nocturnal Fauna Survey (March 2023)
- Plant Community Type**
- PCT 58 (Moderate-Good)
  - PCT 58 (Derived-Weedy)
  - Category 1 – Exempt Land/Cleared/ Structure/ Tracks/ Road



Kilometres  
Scale 1:20,000 at A4  
GDA2020 MGA Zone 54



This document and the information are subject to Terms and Conditions and Umwelt (Australia) Pty Ltd ("Umwelt") Copyright in the drawings, information and data recorded ("the information") is the property of Umwelt. This document and the information are solely for the use of the authorized recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that which it was supplied by Umwelt. Umwelt makes no representation, undertakes no duty and accepts no responsibility to any third party who may use or rely upon this document or the information.  
APPROVED FOR AND ON BEHALF OF Umwelt



**P** 1300 793 267    **E** [info@umwelt.com.au](mailto:info@umwelt.com.au)    **W** [umwelt.com.au](http://umwelt.com.au)  
NSW | ACT | WA | QLD | VIC | SA                      **ABN** 18 059 519 041