784000 785000 786000 787000 788000

6468000 6467000 6466000 6465000 6464000 6463000

COOBA BULGA STREAM
COOBA BULGA ROAD
CATTLE CREEK
SNAKE CREEK
CATTLE CREEK ROAD
KULOO ROAD
MUNMURRA RIVER

Scale 1:20000 at A3

0 500 1,000 Metres

GDA2020 MGA Zone 55

Legend

- RTS Project Site
- RTS Development Corridor – Wind Farm
- Drainage Line
- Water Body
- Roads

	A2	A3	A4	A5	
	B2	B3	B4	B5	
C1	C2	C3	C4	C5	
D1	D2	D3	D4	D5	D6
	E2	E3	E4	E5	E6
		F3	F4	F5	F6
		G3	G4	G5	
	H2	H3	H4		
I1	I2	I3			
J1	J2				
K1					

APPENDIX 5.4 - E6

Liverpool Range Wind Farm
Swift Parrot Potentially Suitable Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

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Legend

- RTS Indicative Development Footprint – Public Road Upgrades
- Drainage Line
- Water Body
- Roads

	A2	A3	A4	A5		
	B2	B3	B4	B5		
C1	C2	C3	C4	C5		
D1	D2	D3	D4	D5	D6	
	E2	E3	E4	E5	E6	
		F3	F4	F5	F6	
		G3	G4	G5		
	H2	H3	H4			
I1	I2	I3				
J1	J2					
K1						

APPENDIX 5.4 - F3

Liverpool Range Wind Farm Swift Parrot Potentially Suitable Habitat

Legend

- RTS Project Site
- RTS Development Corridor – Wind Farm
- RTS Development Corridor – External Transmission Line
- RTS Indicative Development Footprint – Wind Farm
- RTS Indicative Development Footprint – External Transmission Line
- Land Category 1 - Exempt Land
- Drainage Line
- Water Body
- Roads

	A2	A3	A4	A5		
	B2	B3	B4	B5		
C1	C2	C3	C4	C5		
D1	D2	D3	D4	D5	D6	
	E2	E3	E4	E5	E6	
		F3	F4	F5	F6	
		G3	G4	G5		
	H2	H3	H4			
I1	I2	I3				
J1	J2					
K1						

APPENDIX 5.4 - F4

Liverpool Range Wind Farm
Swift Parrot Potentially Suitable Habitat

D:\UMWELT (AUSTRALIA) PTY. LTD\4859 - 03 S&V\FIGURES_R03\APPENDICES\4859_A043_DD_SWIFTPARROTPOTENTIALHABITAT.MXD 14/08/2023 3:53:09 PM

779000 780000 781000 782000 783000

6462000 6461000 6460000 6459000 6458000 6457000 6456000

LLANGOLLEN ROAD

MUNNUMRA RIVER

DARKWOOD ROAD

Scale 1:20000 at A3

0 500 1,000 Metres

GDA2020 MGA Zone 55

Legend

- RTS Project Site
- RTS Development Corridor – Wind Farm
- RTS Development Corridor – External Transmission Line
- RTS Indicative Development Footprint – Wind Farm
- RTS Indicative Development Footprint – Public Road Upgrades
- Land Category 1 - Exempt Land
- Drainage Line
- Water Body
- Roads

		A2	A3	A4	A5	
		B2	B3	B4	B5	
C1	C2	C3	C4	C5		
D1	D2	D3	D4	D5	D6	
	E2	E3	E4	E5	E6	
		F3	F4	F5	F6	
		G3	G4	G5		
	H2	H3	H4			
I1	I2	I3				
J1	J2					
K1						

APPENDIX 5.4 - F5

Liverpool Range Wind Farm Swift Parrot Potentially Suitable Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

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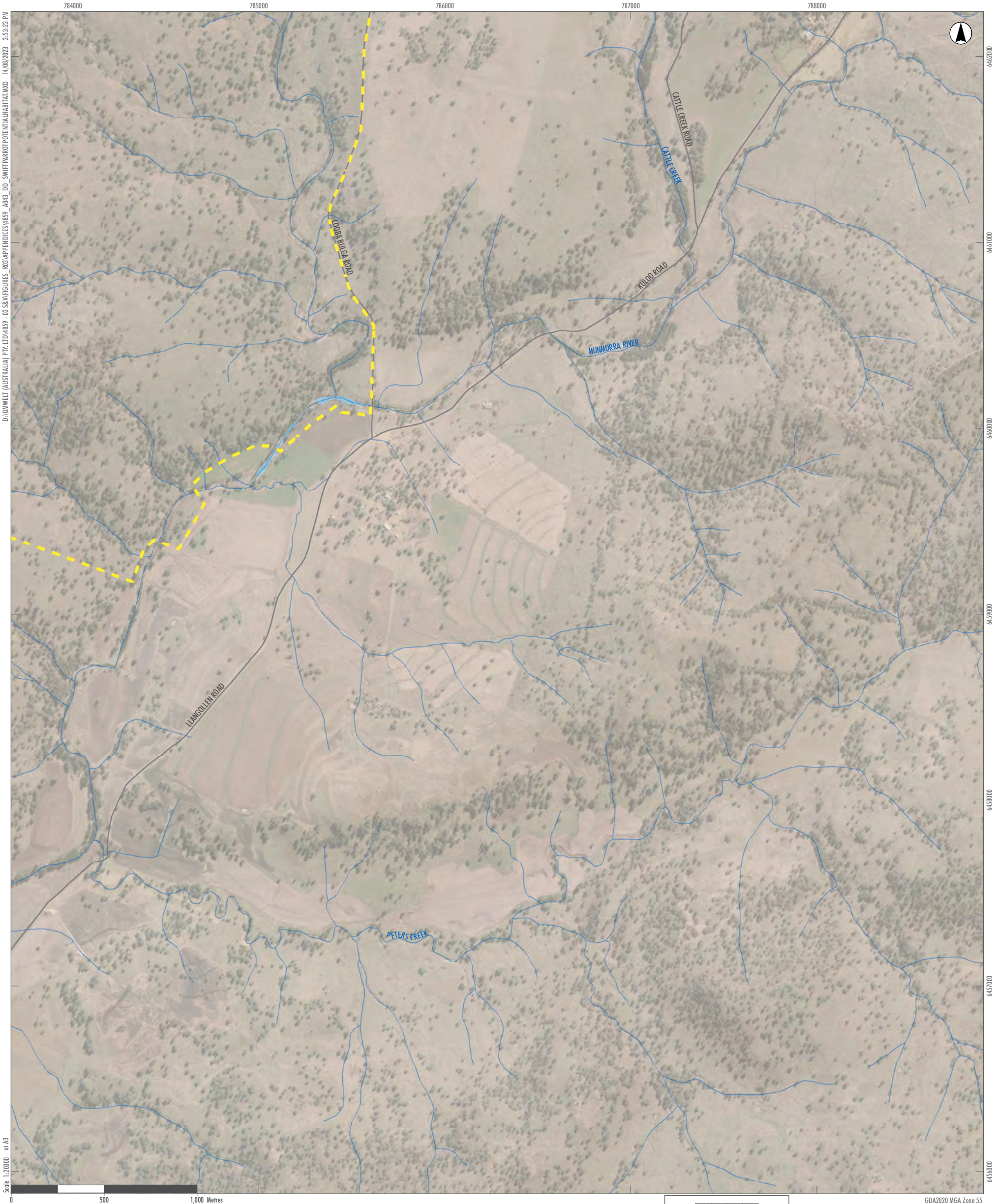


Legend

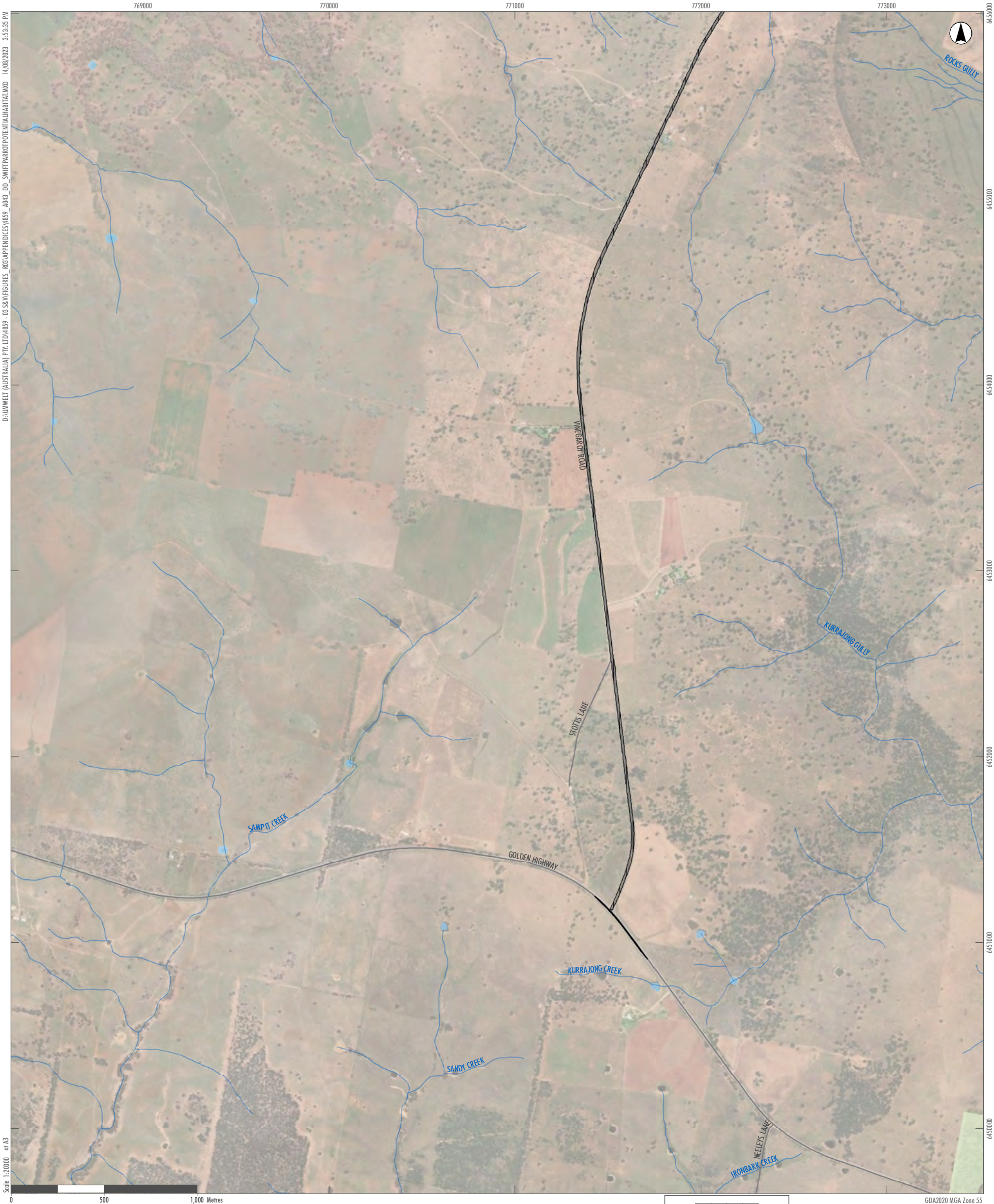
- RTS Project Site
- Drainage Line
- Water Body
- Roads

	A2	A3	A4	A5		
	B2	B3	B4	B5		
C1	C2	C3	C4	C5		
D1	D2	D3	D4	D5	D6	
	E2	E3	E4	E5	E6	
		F3	F4	F5	F6	
		G3	G4	G5		
		H2	H3	H4		
	I1	I2	I3			
	J1	J2				
	K1					

APPENDIX 5.4 - F6

Liverpool Range Wind Farm Swift Parrot Potentially Suitable Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)



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Legend

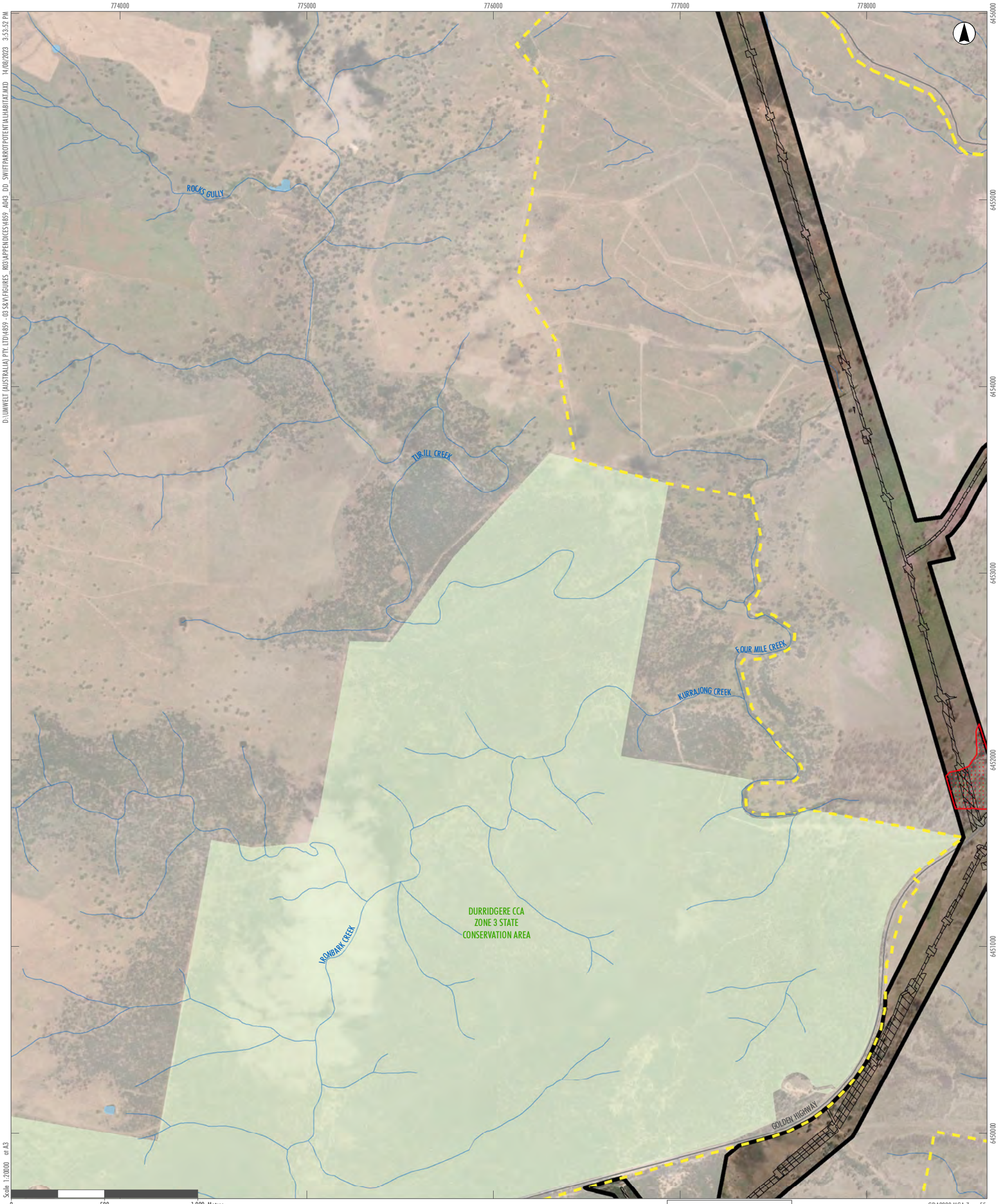
- RTS Indicative Development Footprint – Public Road Upgrades
- Drainage Line
- Water Body
- Roads
- National Parks (NPWS Estate)

	A2	A3	A4	A5		
	B2	B3	B4	B5		
C1	C2	C3	C4	C5		
D1	D2	D3	D4	D5	D6	
	E2	E3	E4	E5	E6	
		F3	F4	F5	F6	
		G3	G4	G5		
		H2	H3	H4		
	I1	I2	I3			
	J1	J2				
	K1					

APPENDIX 5.4 - G3

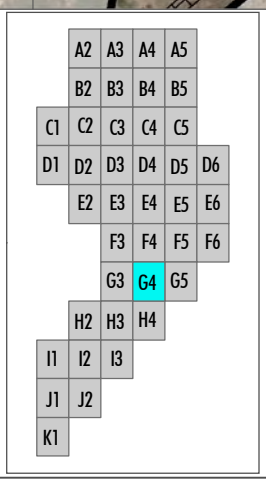
Liverpool Range Wind Farm Swift Parrot Potentially Suitable Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)



Legend

- RTS Project Site
- RTS Development Corridor – External Transmission Line
- RTS Indicative Development Footprint – External Transmission Line
- Drainage Line
- Water Body
- Roads
- National Parks (NPWS Estate)
- Swift parrot Potentially Suitable Habitat



APPENDIX 5.4 - G4

Liverpool Range Wind Farm
Swift Parrot Potentially Suitable Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

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779000 780000 781000 782000 783000

6456000 6455000 6454000 6453000 6452000 6451000 6450000

COOLAH ROAD
SCOTT STREET
ANCRUM STREET
DARKWOOD ROAD
MUNMURRA RIVER
UARBRY ROAD
THOMPSONS ROAD
GOLDEN HIGHWAY
TWO MILE HOLLOW CREEK
BORAMBIL RACECOURSE ROAD

Scale 1:20000 at A3

0 500 1,000 Metres

GDA2020 MGA Zone 55

Legend

- RTS Project Site
- RTS Development Corridor – External Transmission Line
- RTS Indicative Development Footprint – External Transmission Line
- Drainage Line
- Water Body
- Roads
- Swift parrot Potentially Suitable Habitat

	A2	A3	A4	A5	
	B2	B3	B4	B5	
C1	C2	C3	C4	C5	
D1	D2	D3	D4	D5	D6
	E2	E3	E4	E5	E6
		F3	F4	F5	F6
		G3	G4	G5	
	H2	H3	H4		
I1	I2	I3			
J1	J2				
K1					

APPENDIX 5.4 - G5

Liverpool Range Wind Farm
Swift Parrot Potentially Suitable Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

Scale 1:20000 at A3

0 500 1,000 Metres

GDA2020 MGA Zone 55

Legend

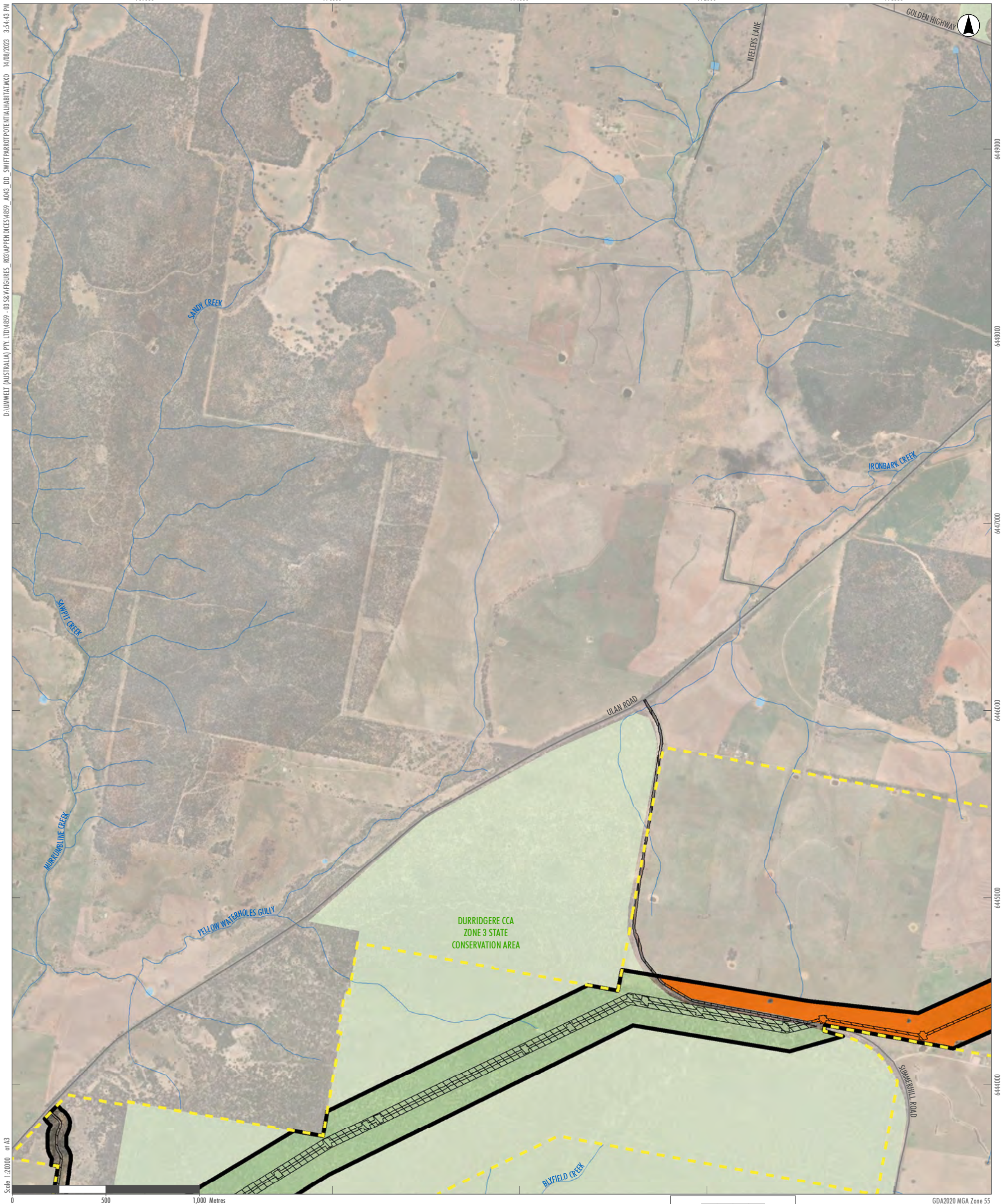
- RTS Project Site
- Drainage Line
- Water Body
- Roads
- National Parks (NPWS Estate)

	A2	A3	A4	A5	
	B2	B3	B4	B5	
C1	C2	C3	C4	C5	
D1	D2	D3	D4	D5	D6
	E2	E3	E4	E5	E6
		F3	F4	F5	F6
		G3	G4	G5	
	H2	H3	H4		
I1	I2	I3			
J1	J2				
K1					

APPENDIX 5.4 - H2

Liverpool Range Wind Farm
Swift Parrot Potentially Suitable Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)



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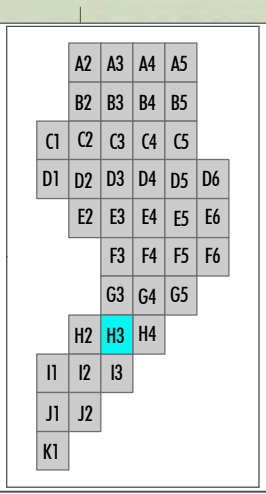
Legend

- RTS Project Site
- RTS Development Corridor – External Transmission Line
- RTS Indicative Development Footprint – External Transmission Line
- RTS Indicative Development Footprint – Public Road Upgrades
- Land Category 1 - Exempt Land
- Drainage Line
- Water Body
- Roads
- National Parks (NPWS Estate)



APPENDIX 5.4 - H3

Liverpool Range Wind Farm Swift Parrot Potentially Suitable Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

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Legend

- RTS Project Site
- RTS Development Corridor – External Transmission Line
- RTS Indicative Development Footprint – External Transmission Line
- Land Category 1 - Exempt Land
- Drainage Line
- Water Body
- Roads
- National Parks (NPWS Estate)

	A2	A3	A4	A5		
	B2	B3	B4	B5		
C1	C2	C3	C4	C5		
D1	D2	D3	D4	D5	D6	
	E2	E3	E4	E5	E6	
		F3	F4	F5	F6	
		G3	G4	G5		
		H2	H3	H4		
	I1	I2	I3			
	J1	J2				
	K1					

APPENDIX 5.4 - H4

Liverpool Range Wind Farm Swift Parrot Potentially Suitable Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

D:\UMWELT (AUSTRALIA) PTY. LTD\4859 - 03 S&V\FIGURES_R03\APPENDICES\4859_A043_DD_SWIFTPARROTPOTENTIALHABITAT.MXD 14/08/2023 3:55:50 PM

759000 760000 761000 762000 763000

6443000 6442000 6441000 6440000 6439000 6438000

SALTY CREEK
CURRYALL CREEK
CLIFFDALE ROAD
MONA CREEK
DURRIDGERE CCA
ZONE 3 STATE
CONSERVATION AREA
CURRA CREEK
ULAN CREEK
BOBADEEN CREEK
BOBADEEN ROAD

Scale 1:20000 at A3

0 500 1,000 Metres

GDA2020 MGA Zone 55

Legend

- RTS Project Site
- Drainage Line
- Water Body
- Roads
- National Parks (NPWS Estate)

	A2	A3	A4	A5		
	B2	B3	B4	B5		
C1	C2	C3	C4	C5		
D1	D2	D3	D4	D5	D6	
	E2	E3	E4	E5	E6	
		F3	F4	F5	F6	
		G3	G4	G5		
		H2	H3	H4		
I1	I2	I3				
J1	J2					
K1						

APPENDIX 5.4 - I1

Liverpool Range Wind Farm
Swift Parrot Potentially Suitable Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

D:\UMWELT (AUSTRALIA) PTY. LTD\4859 - 03 S&V\FIGURES_R03\APPENDICES\4859_A043_DD_SWIFTPARROTPOTENTIALHABITAT.MXD 14/08/2023 3:56:08 PM

764000 765000 766000 767000 768000

6443000 6442000 6441000 6440000 6439000 6438000

DURRIDGERE CCA
ZONE 3 STATE
CONSERVATION AREA

WAGROBIL CREEK
TURILL BUS ROUTE
PHELPS LANE
CLIFFDALE ROAD
ULAN ROAD
MURRUMBLINE CREEK
CURRYALL CREEK
CURRA CREEK

Scale 1:20000 at A3

0 500 1,000 Metres

GDA2020 MGA Zone 55

Legend

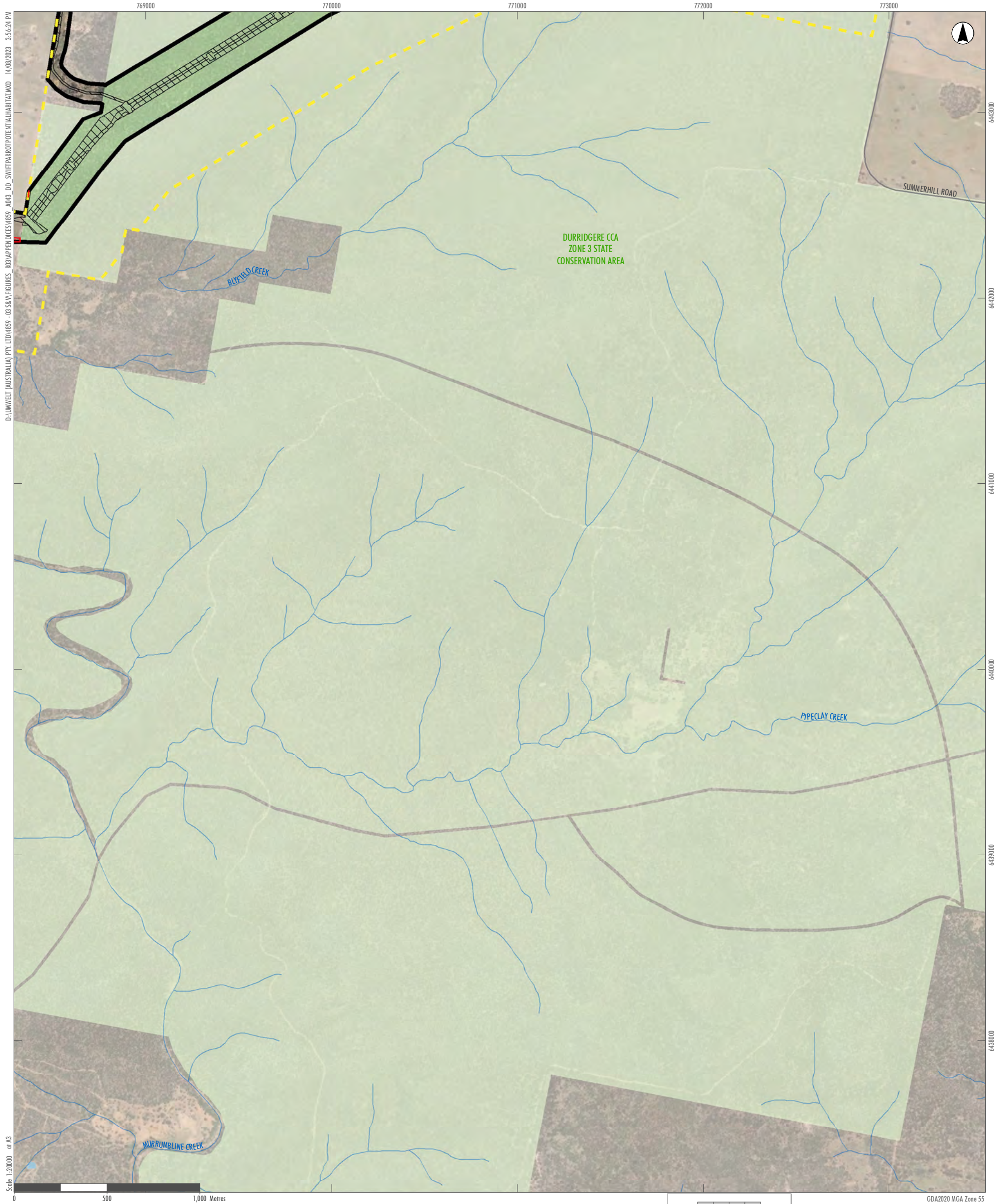
- RTS Project Site
- RTS Development Corridor – External Transmission Line
- RTS Indicative Development Footprint – External Transmission Line
- RTS Indicative Development Footprint – Public Road Upgrades
- Land Category 1 - Exempt Land
- Drainage Line
- Water Body
- Roads
- National Parks (NPWS Estate)
- Swift parrot Potentially Suitable Habitat

	A2	A3	A4	A5		
	B2	B3	B4	B5		
C1	C2	C3	C4	C5		
D1	D2	D3	D4	D5	D6	
	E2	E3	E4	E5	E6	
		F3	F4	F5	F6	
		G3	G4	G5		
		H2	H3	H4		
I1		I2	I3			
J1		J2				
K1						

APPENDIX 5.4 - I2

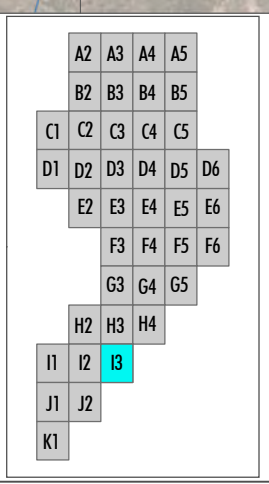
Liverpool Range Wind Farm
Swift Parrot Potentially Suitable Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)



Legend

- RTS Project Site
- RTS Development Corridor – External Transmission Line
- RTS Indicative Development Footprint – External Transmission Line
- Drainage Line
- Water Body
- Roads
- National Parks (NPWS Estate)
- Swift parrot Potentially Suitable Habitat



APPENDIX 5.4 - I3

Liverpool Range Wind Farm Swift Parrot Potentially Suitable Habitat

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Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

Legend

- RTS Project Site
- RTS Development Corridor – External Transmission Line
- RTS Indicative Development Footprint – External Transmission Line
- Drainage Line
- Water Body
- Roads
- National Parks (NPWS Estate)
- Swift parrot Potentially Suitable Habitat

	A2	A3	A4	A5		
	B2	B3	B4	B5		
C1	C2	C3	C4	C5		
D1	D2	D3	D4	D5	D6	
	E2	E3	E4	E5	E6	
		F3	F4	F5	F6	
		G3	G4	G5		
	H2	H3	H4			
I1	I2	I3				
J1	J2					
K1						

APPENDIX 5.4 - J1

Liverpool Range Wind Farm Swift Parrot Potentially Suitable Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

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764000 765000 766000 767000 768000

6437000 6436000 6435000 6434000 6433000 6432000 6431000

ULAN ROAD

DUBRIDGERIE ROAD

GOULBURN RIVER NATIONAL PARK

GOULBURN RIVER

SADDLERS CREEK

Scale 1:20000 at A3

0 500 1,000 Metres

GDA2020 MGA Zone 55

Legend

- RTS Project Site
- RTS Development Corridor – External Transmission Line
- RTS Indicative Development Footprint – External Transmission Line
- Drainage Line
- Water Body
- Roads
- National Parks (NPWS Estate)

	A2	A3	A4	A5		
	B2	B3	B4	B5		
C1	C2	C3	C4	C5		
D1	D2	D3	D4	D5	D6	
	E2	E3	E4	E5	E6	
		F3	F4	F5	F6	
		G3	G4	G5		
	H2	H3	H4			
I1	I2	I3				
J1	J2					
K1						

APPENDIX 5.4 - J2

Liverpool Range Wind Farm Swift Parrot Potentially Suitable Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

D:\UMWELT (AUSTRALIA) PTY. LTD\4859 - 03 S&V\FIGURES_R03\APPENDICES\4859_A043_DD_SWIFTPARROTPOTENTIALHABITAT.MXD 14/08/2023 3:57:09 PM

759000 760000 761000 762000 763000

6431000 6430000 6429000 6428000 6427000 6426000 6425000

ULAN CREEK

BORA CREEK

ULAN-WOLLAR ROAD

GOULBURN RIVER

MAIN STREET

MACKAY STREET

Scale 1:20000 at A3

0 500 1,000 Metres

GDA2020 MGA Zone 55

Legend

- RTS Project Site
- RTS Development Corridor – External Transmission Line
- RTS Indicative Development Footprint – External Transmission Line
- Land Category 1 - Exempt Land
- Drainage Line
- Water Body
- Roads
- Swift parrot Potentially Suitable Habitat

	A2	A3	A4	A5		
	B2	B3	B4	B5		
C1	C2	C3	C4	C5		
D1	D2	D3	D4	D5	D6	
	E2	E3	E4	E5	E6	
		F3	F4	F5	F6	
		G3	G4	G5		
		H2	H3	H4		
	I1	I2	I3			
	J1	J2				
	K1					

APPENDIX 5.4 - K1

Liverpool Range Wind Farm
Swift Parrot Potentially Suitable Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

D:\UMWELT (AUSTRALIA) PTY. LTD\4859 - 03 S&V\FIGURES_R03\APPENDICES\4859_A044_DD_HIGHLYSUITABLEKOALAHABITAT.MXD 14/08/2023 3:53:13 PM

Legend

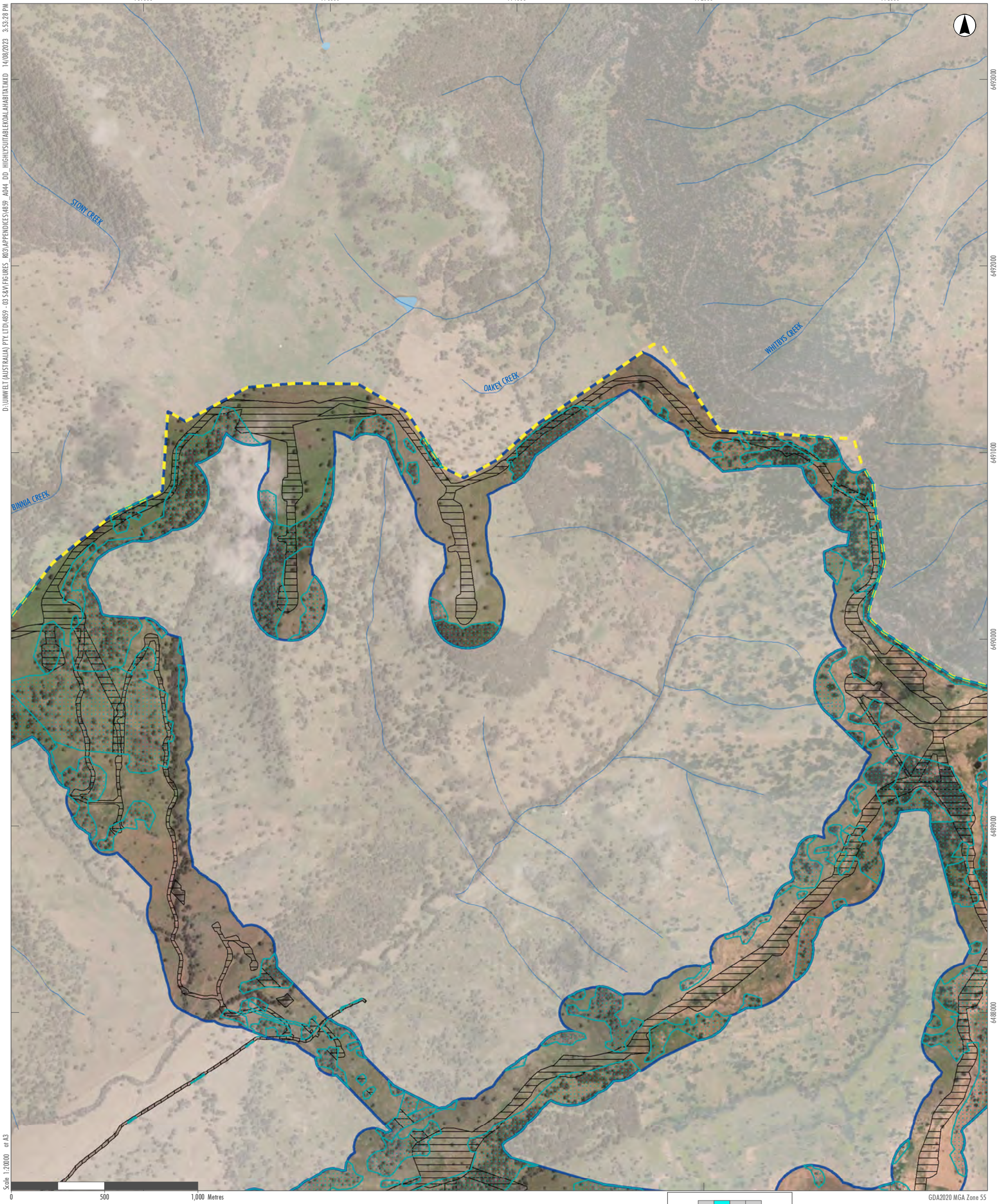
- RTS Project Site
- RTS Development Corridor – Wind Farm
- RTS Indicative Development Footprint – Wind Farm
- Drainage Line
- Water Body
- Roads
- Highly Suitable Koala Habitat

	A2	A3	A4	A5	
	B2	B3	B4	B5	
C1	C2	C3	C4	C5	
D1	D2	D3	D4	D5	D6
	E2	E3	E4	E5	E6
		F3	F4	F5	F6
		G3	G4	G5	
	H2	H3	H4		
I1	I2	I3			
J1	J2				
K1					

APPENDIX 5.5 - A2

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)



Legend

- RTS Project Site
- RTS Development Corridor – Wind Farm
- RTS Indicative Development Footprint – Wind Farm
- RTS Indicative Development Footprint – Public Road Upgrades
- Drainage Line
- Water Body
- Highly Suitable Koala Habitat

	A2	A3	A4	A5	
	B2	B3	B4	B5	
C1	C2	C3	C4	C5	
D1	D2	D3	D4	D5	D6
	E2	E3	E4	E5	E6
		F3	F4	F5	F6
		G3	G4	G5	
	H2	H3	H4		
I1	I2	I3			
J1	J2				
K1					

APPENDIX 5.5 - A3

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

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774000 775000 776000 777000 778000

6493000 6492000 6491000 6490000 6489000 6488000

WHITBYS CREEK
SPRING GULLY
COXS CREEK
TELARGRA ROAD
PANDORA PASS ROAD
FERNGROVE CREEK
RUSHY CREEK
GAP CREEK
DEEP GULLY

Scale 1:20000 at A3

0 500 1,000 Metres

GDA2020 MGA Zone 55

Legend

- RTS Project Site
- RTS Development Corridor – Wind Farm
- RTS Indicative Development Footprint – Wind Farm
- RTS Indicative Development Footprint – Public Road Upgrades
- Drainage Line
- Water Body
- Roads
- Highly Suitable Koala Habitat

NSW Bionet Atlas TS Records

- Koala

	A2	A3	A4	A5		
	B2	B3	B4	B5		
C1	C2	C3	C4	C5		
D1	D2	D3	D4	D5	D6	
	E2	E3	E4	E5	E6	
		F3	F4	F5	F6	
		G3	G4	G5		
		H2	H3	H4		
	I1	I2	I3			
	J1	J2				
	K1					

APPENDIX 5.5 - A4

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

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779000 780000 781000 782000 783000

6493000 6492000 6491000 6490000 6489000 6488000

TELARGRA ROAD

COXS CREEK

ROCKY CREEK

COOLAH TOPS NATIONAL PARK

Scale 1:20000 at A3

0 500 1,000 Metres

GDA2020 MGA Zone 55

Legend

- RTS Project Site
- RTS Development Corridor – Wind Farm
- RTS Indicative Development Footprint – Wind Farm
- Drainage Line
- Water Body
- Roads
- National Parks (NPWS Estate)
- Highly Suitable Koala Habitat

	A2	A3	A4	A5		
	B2	B3	B4	B5		
C1	C2	C3	C4	C5		
D1	D2	D3	D4	D5	D6	
	E2	E3	E4	E5	E6	
		F3	F4	F5	F6	
		G3	G4	G5		
		H2	H3	H4		
	I1	I2	I3			
	J1	J2				
	K1					

APPENDIX 5.5 - A5

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

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764000 765000 766000 767000 768000

6487000 6486000 6485000 6484000 6483000 6482000 6481000

CATOS CREEK

GUNDARE ROAD

GUNDARE CREEK

COOLABURRAGUNDY RIVER

COOLAH CREEK ROAD

Scale 1:20000 at A3

0 500 1,000 Metres

GDA2020 MGA Zone 55

Legend

- RTS Project Site
- RTS Development Corridor – Wind Farm
- RTS Indicative Development Footprint – Wind Farm
- RTS Indicative Development Footprint – Public Road Upgrades
- Land Category 1 - Exempt Land
- Drainage Line
- Water Body
- Roads
- Highly Suitable Koala Habitat

	A2	A3	A4	A5		
	B2	B3	B4	B5		
C1	C2	C3	C4	C5		
D1	D2	D3	D4	D5	D6	
	E2	E3	E4	E5	E6	
		F3	F4	F5	F6	
		G3	G4	G5		
		H2	H3	H4		
	I1	I2	I3			
	J1	J2				
	K1					

APPENDIX 5.5 - B2

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

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769000 770000 771000 772000 773000

6487000 6486000 6485000 6484000 6483000 6482000 6481000

Scale 1:20000 at A3

0 500 1,000 Metres

GDA2020 MGA Zone 55

Legend

- RTS Project Site
- RTS Development Corridor – Wind Farm
- RTS Indicative Development Footprint – Wind Farm
- RTS Indicative Development Footprint – Public Road Upgrades
- Land Category 1 - Exempt Land
- Drainage Line
- Water Body
- Roads
- Highly Suitable Koala Habitat

	A2	A3	A4	A5		
	B2	B3	B4	B5		
C1	C2	C3	C4	C5		
D1	D2	D3	D4	D5	D6	
	E2	E3	E4	E5	E6	
		F3	F4	F5	F6	
		G3	G4	G5		
	H2	H3	H4			
I1	I2	I3				
J1	J2					
K1						

APPENDIX 5.5 - B3

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

Legend

- RTS Project Site
- RTS Development Corridor – Wind Farm
- RTS Indicative Development Footprint – Wind Farm
- RTS Indicative Development Footprint – Public Road Upgrades
- Drainage Line
- Water Body
- Roads
- Highly Suitable Koala Habitat

	A2	A3	A4	A5		
	B2	B3	B4	B5		
C1	C2	C3	C4	C5		
D1	D2	D3	D4	D5	D6	
	E2	E3	E4	E5	E6	
		F3	F4	F5	F6	
		G3	G4	G5		
		H2	H3	H4		
	I1	I2	I3			
	J1	J2				
	K1					

APPENDIX 5.5 - B4

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

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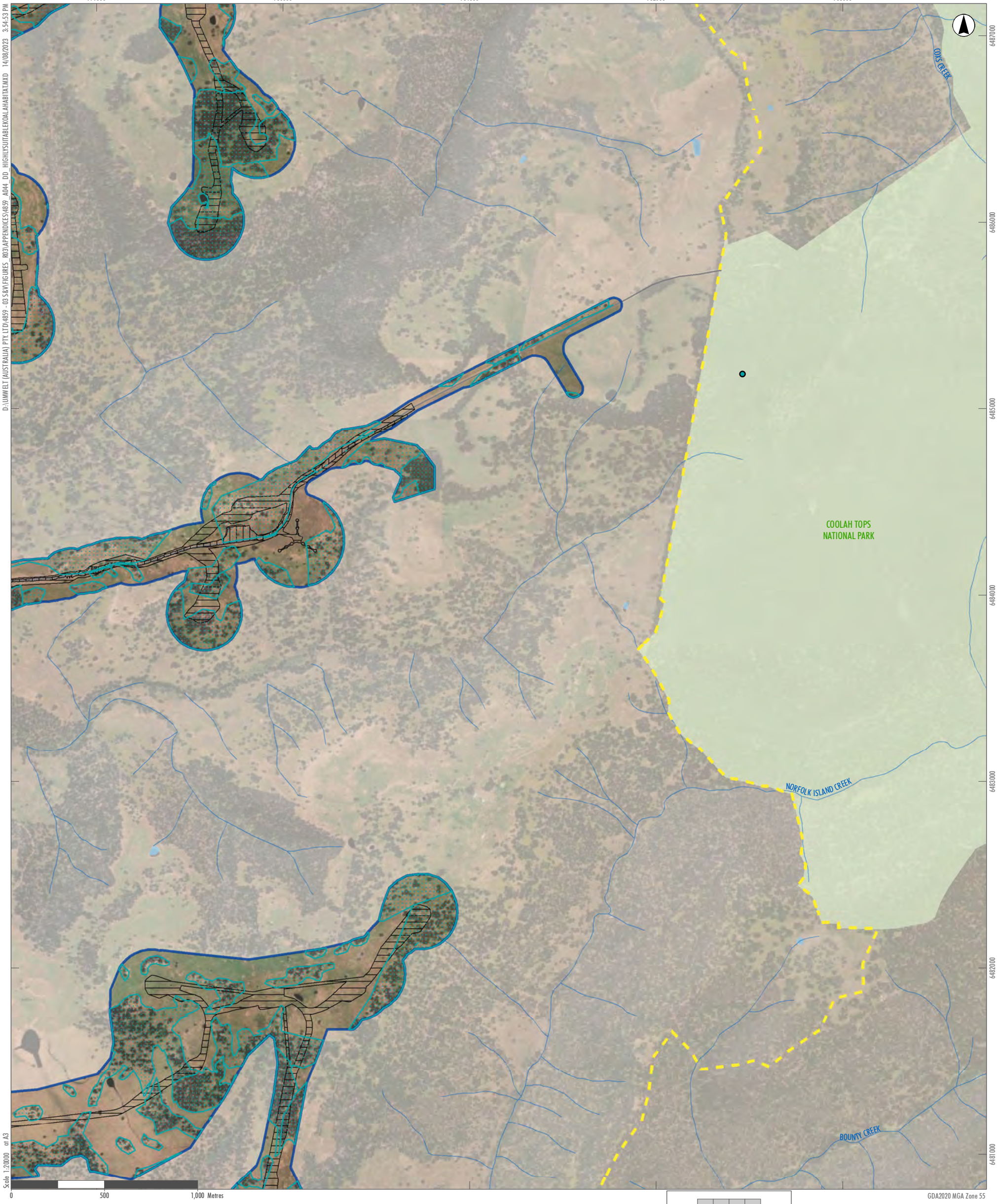


Scale 1:20000 at A3

0 500 1,000 Metres

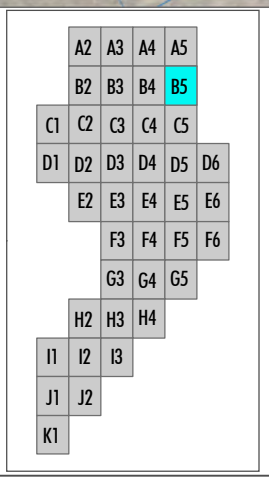
GDA2020 MGA Zone 55

Legend

- RTS Project Site
- RTS Development Corridor – Wind Farm
- RTS Indicative Development Footprint – Wind Farm
- RTS Indicative Development Footprint – Public Road Upgrades
- Drainage Line
- Water Body
- Roads
- National Parks (NPWS Estate)
- Highly Suitable Koala Habitat

NSW Bionet Atlas TS Records

- Koala



APPENDIX 5.5 - B5

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

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759000 760000 761000 762000 763000

6480000 6479000 6478000 6477000 6476000 6475000

CATTOS CREEK
COOKS DRIVE
GUNDARE ROAD
COOLABURRAGUNDY RIVER
COOLAH CREEK ROAD
BLACK STUMP WAY
TOWN WELLS ROAD
MOUNTAIN SIDE ROAD
VINEGAROY ROAD
OBAN ROAD

Scale 1:20000 at A3

0 500 1,000 Metres

GDA2020 MGA Zone 55

Legend

- RTS Project Site
- RTS Indicative Development Footprint – Public Road Upgrades
- Drainage Line
- Water Body
- Roads

	A2	A3	A4	A5	
	B2	B3	B4	B5	
C1	C2	C3	C4	C5	
D1	D2	D3	D4	D5	D6
	E2	E3	E4	E5	E6
		F3	F4	F5	F6
		G3	G4	G5	
		H2	H3	H4	
	I1	I2	I3		
	J1	J2			
	K1				

APPENDIX 5.5 - C1

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

umwelt

764000 765000 766000 767000 768000

6480000 6479000 6478000 6477000 6476000 6475000

COOLAH CREEK ROAD

GIFFINS CREEK

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Scale 1:20000 at A3

0 500 1,000 Metres

GDA2020 MGA Zone 55

Legend

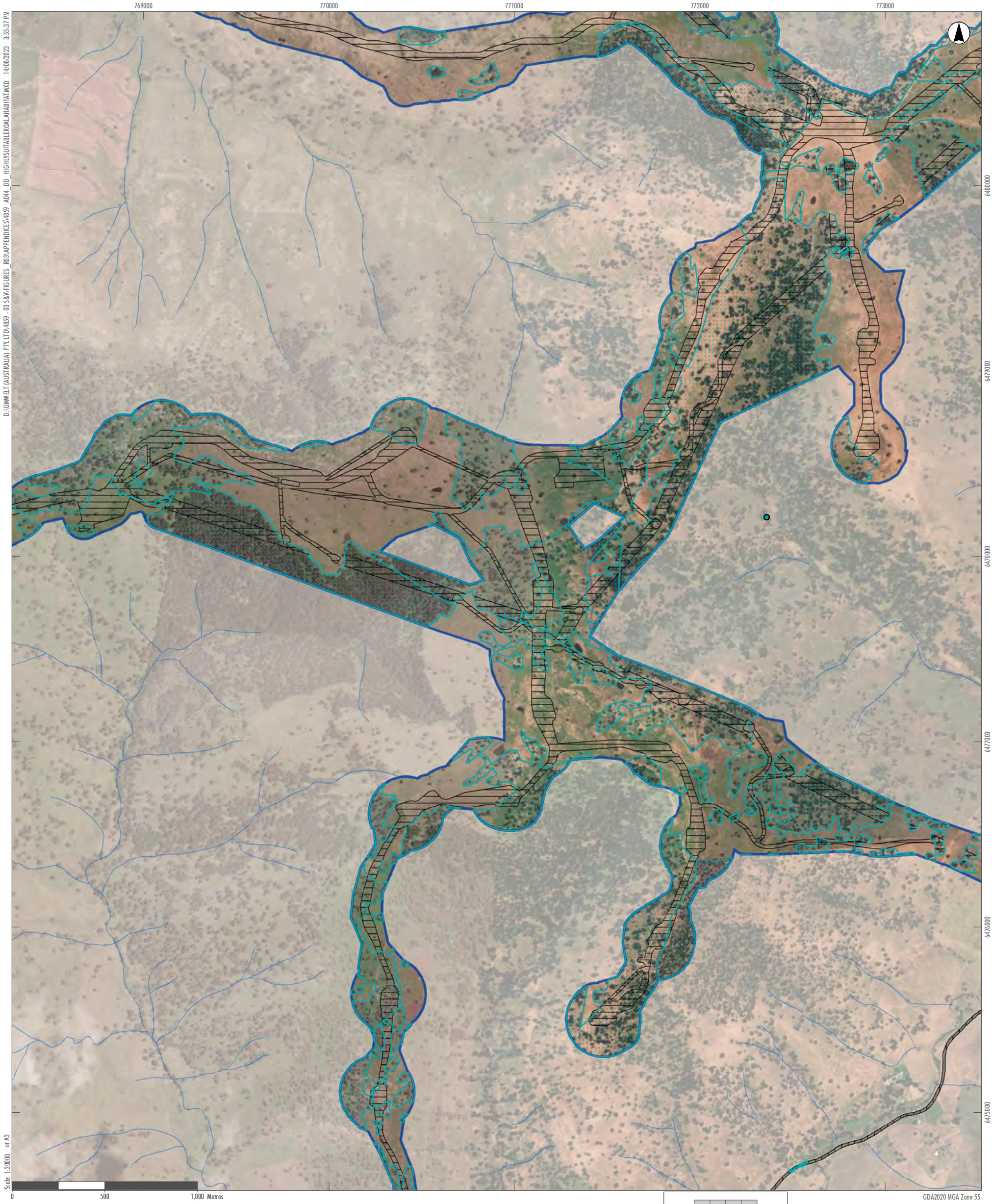
- RTS Project Site
- RTS Development Corridor – Wind Farm
- RTS Indicative Development Footprint – Wind Farm
- RTS Indicative Development Footprint – Public Road Upgrades
- Drainage Line
- Water Body
- Roads
- Highly Suitable Koala Habitat

	A2	A3	A4	A5		
	B2	B3	B4	B5		
C1	C2	C3	C4	C5		
D1	D2	D3	D4	D5	D6	
	E2	E3	E4	E5	E6	
		F3	F4	F5	F6	
		G3	G4	G5		
		H2	H3	H4		
	I1	I2	I3			
	J1	J2				
	K1					

APPENDIX 5.5 - C2

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

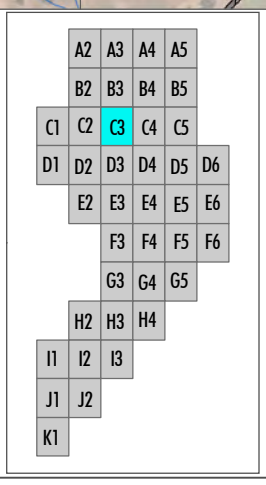


Legend

- RTS Project Site
- RTS Development Corridor – Wind Farm
- RTS Indicative Development Footprint – Wind Farm
- RTS Indicative Development Footprint – Public Road Upgrades
- Drainage Line
- Roads
- Highly Suitable Koala Habitat

NSW Bionet Atlas TS Records

- Koala



APPENDIX 5.5 - C3

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

Legend

- RTS Project Site
- RTS Development Corridor – Wind Farm
- RTS Indicative Development Footprint – Wind Farm
- RTS Indicative Development Footprint – Public Road Upgrades
- Land Category 1 - Exempt Land
- Drainage Line
- Water Body
- Roads
- Highly Suitable Koala Habitat

	A2	A3	A4	A5		
	B2	B3	B4	B5		
C1	C2	C3	C4	C5		
D1	D2	D3	D4	D5	D6	
	E2	E3	E4	E5	E6	
		F3	F4	F5	F6	
		G3	G4	G5		
	H2	H3	H4			
I1	I2	I3				
J1	J2					
K1						

APPENDIX 5.5 - C4

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

779000 780000 781000 782000 783000

6480000 6479000 6478000 6477000 6476000 6475000

BOUNTY CREEK

STRAIGHT CREEK

BUSBYS CREEK

Scale 1:20000 at A3

0 500 1,000 Metres

GDA2020 MGA Zone 55

Legend

- RTS Project Site
- RTS Development Corridor – Wind Farm
- RTS Indicative Development Footprint – Wind Farm
- Drainage Line
- Water Body
- Highly Suitable Koala Habitat

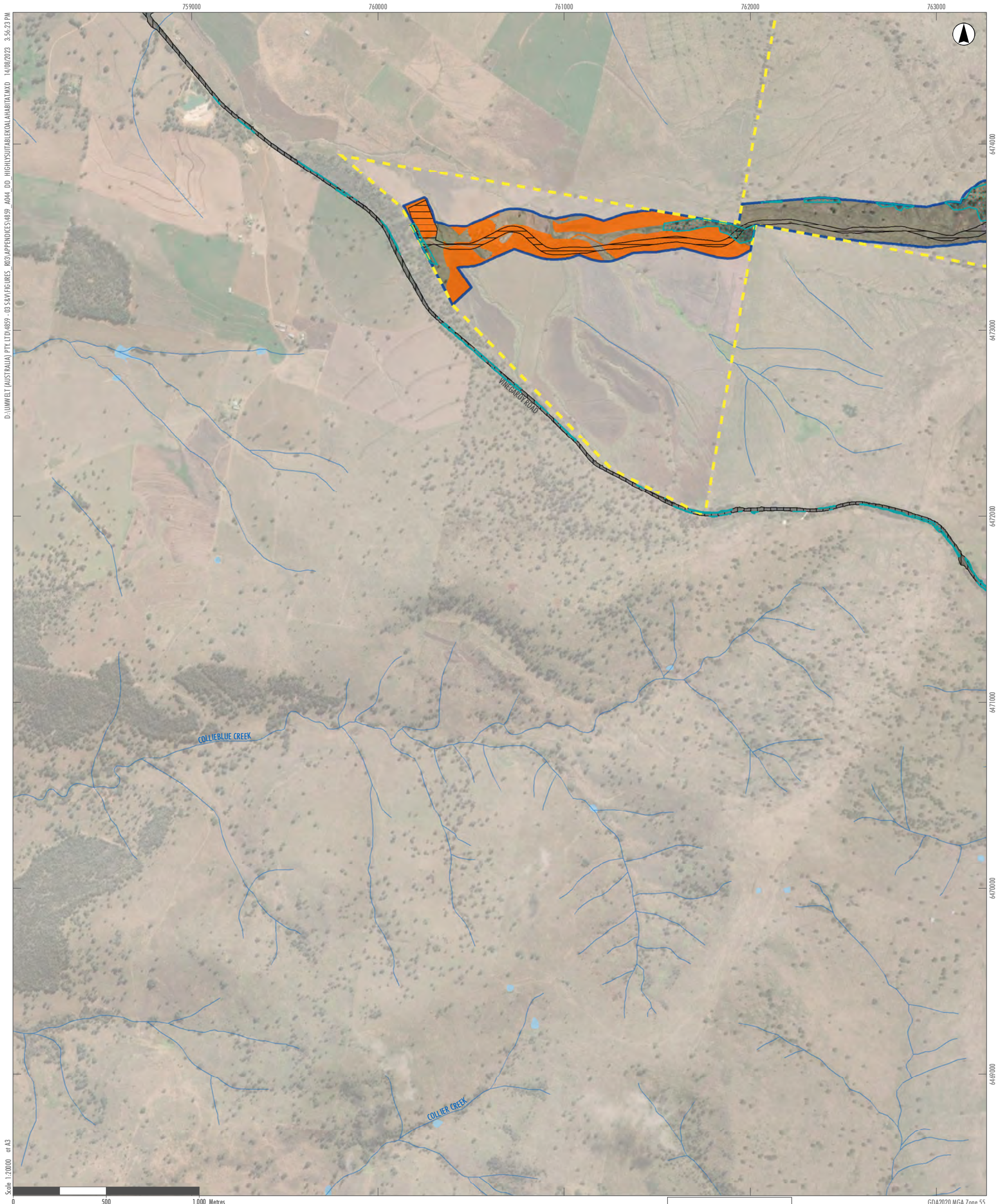
	A2	A3	A4	A5		
	B2	B3	B4	B5		
C1	C2	C3	C4	C5		
D1	D2	D3	D4	D5	D6	
	E2	E3	E4	E5	E6	
		F3	F4	F5	F6	
		G3	G4	G5		
		H2	H3	H4		
I1	I2	I3				
J1	J2					
K1						

APPENDIX 5.5 - C5

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

umwelt



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Legend

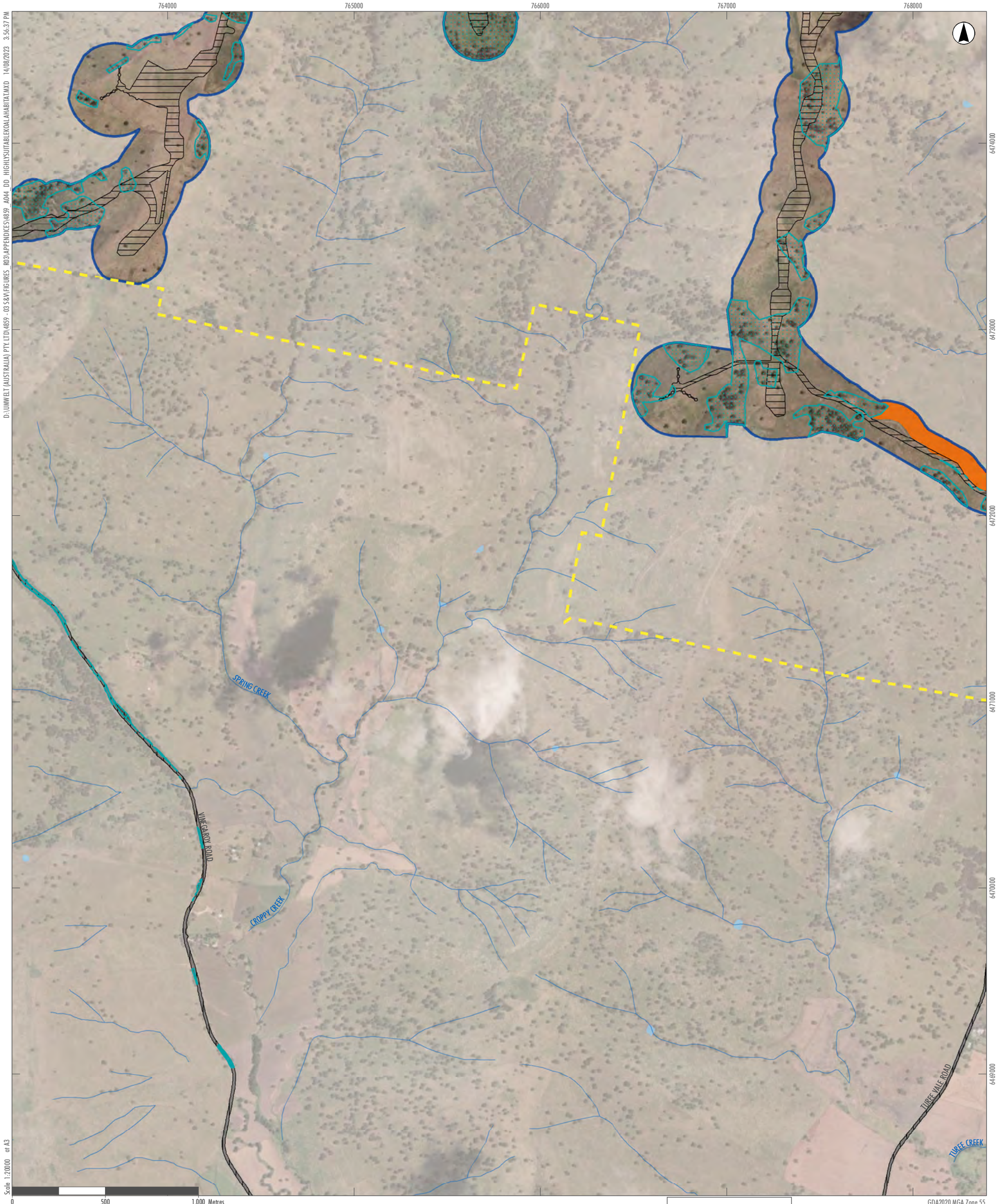
- RTS Project Site
- RTS Development Corridor – Wind Farm
- RTS Indicative Development Footprint – Wind Farm
- RTS Indicative Development Footprint – Public Road Upgrades
- Land Category 1 - Exempt Land
- Drainage Line
- Water Body
- Roads
- Highly Suitable Koala Habitat

	A2	A3	A4	A5		
	B2	B3	B4	B5		
C1	C2	C3	C4	C5		
D1	D2	D3	D4	D5	D6	
	E2	E3	E4	E5	E6	
		F3	F4	F5	F6	
		G3	G4	G5		
	H2	H3	H4			
I1	I2	I3				
J1	J2					
K1						

APPENDIX 5.5 - D1

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)



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Legend

- RTS Project Site
- RTS Development Corridor – Wind Farm
- RTS Indicative Development Footprint – Wind Farm
- RTS Indicative Development Footprint – Public Road Upgrades
- Land Category 1 - Exempt Land
- Drainage Line
- Water Body
- Roads
- Highly Suitable Koala Habitat

	A2	A3	A4	A5	
	B2	B3	B4	B5	
C1	C2	C3	C4	C5	
D1	D2	D3	D4	D5	D6
	E2	E3	E4	E5	E6
		F3	F4	F5	F6
		G3	G4	G5	
		H2	H3	H4	
I1		I2	I3		
J1		J2			
K1					

APPENDIX 5.5 - D2

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

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769000 770000 771000 772000 773000

6474000 6473000 6472000 6471000 6470000 6469000

OAKY CREEK

TUREE CREEK

Scale 1:20000 at A3

0 500 1,000 Metres

GDA2020 MGA Zone 55

Legend

- RTS Project Site
- RTS Development Corridor – Wind Farm
- RTS Indicative Development Footprint – Wind Farm
- RTS Indicative Development Footprint – Public Road Upgrades
- Land Category 1 - Exempt Land
- Drainage Line
- Water Body
- Roads
- Highly Suitable Koala Habitat

	A2	A3	A4	A5		
	B2	B3	B4	B5		
C1	C2	C3	C4	C5		
D1	D2	D3	D4	D5	D6	
	E2	E3	E4	E5	E6	
		F3	F4	F5	F6	
		G3	G4	G5		
		H2	H3	H4		
	I1	I2	I3			
	J1	J2				
	K1					

APPENDIX 5.5 - D3

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

774000 775000 776000 777000 778000

6474000 6473000 6472000 6471000 6470000 6469000

Scale 1:20000 at A3

0 500 1,000 Metres

GDA2020 MGA Zone 55

Legend

- RTS Project Site
- RTS Development Corridor – Wind Farm
- RTS Indicative Development Footprint – Wind Farm
- RTS Indicative Development Footprint – Public Road Upgrades
- Land Category 1 - Exempt Land
- Drainage Line
- Water Body
- Roads
- Highly Suitable Koala Habitat

NSW Bionet Atlas TS Records

- Koala

	A2	A3	A4	A5		
	B2	B3	B4	B5		
C1	C2	C3	C4	C5		
D1	D2	D3	D4	D5	D6	
	E2	E3	E4	E5	E6	
		F3	F4	F5	F6	
		G3	G4	G5		
	H2	H3	H4			
I1	I2	I3				
J1	J2					
K1						

APPENDIX 5.5 - D4

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

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779000 780000 781000 782000 783000

6474000 6473000 6472000 6471000 6470000 6469000

TALBRAGAR RIVER

YARRAWONGA ROAD

Scale 1:20000 at A3

0 500 1,000 Metres

GDA2020 MGA Zone 55

Legend

- RTS Project Site
- RTS Development Corridor – Wind Farm
- RTS Indicative Development Footprint – Wind Farm
- RTS Indicative Development Footprint – Public Road Upgrades
- Land Category 1 - Exempt Land
- Drainage Line
- Water Body
- Roads
- Highly Suitable Koala Habitat

	A2	A3	A4	A5		
	B2	B3	B4	B5		
C1	C2	C3	C4	C5		
D1	D2	D3	D4	D5	D6	
	E2	E3	E4	E5	E6	
		F3	F4	F5	F6	
		G3	G4	G5		
		H2	H3	H4		
I1		I2	I3			
J1		J2				
K1						

APPENDIX 5.5 - D5

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

Legend

- RTS Project Site
- Drainage Line
- Water Body
- Roads

	A2	A3	A4	A5		
	B2	B3	B4	B5		
C1	C2	C3	C4	C5		
D1	D2	D3	D4	D5	D6	
	E2	E3	E4	E5	E6	
		F3	F4	F5	F6	
		G3	G4	G5		
		H2	H3	H4		
I1	I2	I3				
J1	J2					
K1						

APPENDIX 5.5 - D6

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

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764000 765000 766000 767000 768000

6468000 6467000 6466000 6465000 6464000 6463000

VINEGAROY ROAD
TUREE VALE ROAD
CROPPY CREEK
TONGY LANE
TUREE CREEK

Scale 1:20000 at A3

0 500 1,000 Metres

GDA2020 MGA Zone 55

Legend

- RTS Indicative Development Footprint – Public Road Upgrades
- Drainage Line
- Water Body
- Roads
- Highly Suitable Koala Habitat

	A2	A3	A4	A5	
	B2	B3	B4	B5	
C1	C2	C3	C4	C5	
D1	D2	D3	D4	D5	D6
	E2	E3	E4	E5	E6
		F3	F4	F5	F6
		G3	G4	G5	
	H2	H3	H4		
I1	I2	I3			
J1	J2				
K1					

APPENDIX 5.5 - E2

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

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769000 770000 771000 772000 773000

6468000 6467000 6466000 6465000 6464000 6463000

BRAGGATTS CREEK

TALBRAGAR RIVER

CORELLA ROAD

Scale 1:20000 at A3

0 500 1,000 Metres

GDA2020 MGA Zone 55

Legend

- RTS Project Site
- RTS Development Corridor – Wind Farm
- RTS Indicative Development Footprint – Wind Farm
- RTS Indicative Development Footprint – Public Road Upgrades
- Drainage Line
- Water Body
- Roads
- Highly Suitable Koala Habitat

	A2	A3	A4	A5		
	B2	B3	B4	B5		
C1	C2	C3	C4	C5		
D1	D2	D3	D4	D5	D6	
	E2	E3	E4	E5	E6	
		F3	F4	F5	F6	
		G3	G4	G5		
		H2	H3	H4		
	I1	I2	I3			
	J1	J2				
	K1					

APPENDIX 5.5 - E3

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

Legend

- RTS Project Site
- RTS Development Corridor – Wind Farm
- RTS Development Corridor – External Transmission Line
- RTS Indicative Development Footprint – Wind Farm
- RTS Indicative Development Footprint – External Transmission Line
- RTS Indicative Development Footprint – Public Road Upgrades
- Land Category 1 - Exempt Land
- Drainage Line
- Water Body
- Roads
- Highly Suitable Koala Habitat

	A2	A3	A4	A5		
	B2	B3	B4	B5		
C1	C2	C3	C4	C5		
D1	D2	D3	D4	D5	D6	
	E2	E3	E4	E5	E6	
		F3	F4	F5	F6	
		G3	G4	G5		
	H2	H3	H4			
I1	I2	I3				
J1	J2					
K1						

APPENDIX 5.5 - E4

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

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779000 780000 781000 782000 783000

6468000 6467000 6466000 6465000 6464000 6463000

TWO MILE CREEK

Scale 1:20000 at A3

0 500 1,000 Metres

GDA2020 MGA Zone 55

Legend

- RTS Project Site
- RTS Development Corridor – Wind Farm
- RTS Development Corridor – External Transmission Line
- RTS Indicative Development Footprint – Wind Farm
- RTS Indicative Development Footprint – External Transmission Line
- RTS Indicative Development Footprint – Public Road Upgrades
- Land Category 1 - Exempt Land
- Drainage Line
- Water Body
- Roads
- Highly Suitable Koala Habitat

	A2	A3	A4	A5		
	B2	B3	B4	B5		
C1	C2	C3	C4	C5		
D1	D2	D3	D4	D5	D6	
	E2	E3	E4	**E5**	E6	
		F3	F4	F5	F6	
		G3	G4	G5		
		H2	H3	H4		
I1		I2	I3			
J1		J2				
K1						

APPENDIX 5.5 - E5

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

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784000 785000 786000 787000 788000

6468000 6467000 6466000 6465000 6464000 6463000

COOBA BULGA STREAM
COOBA BULGA ROAD
CATTLE CREEK
SNAKE CREEK
CATTLE CREEK ROAD
KULOO ROAD
MUNMURRA RIVER

Scale 1:20000 at A3

0 500 1,000 Metres

GDA2020 MGA Zone 55

Legend

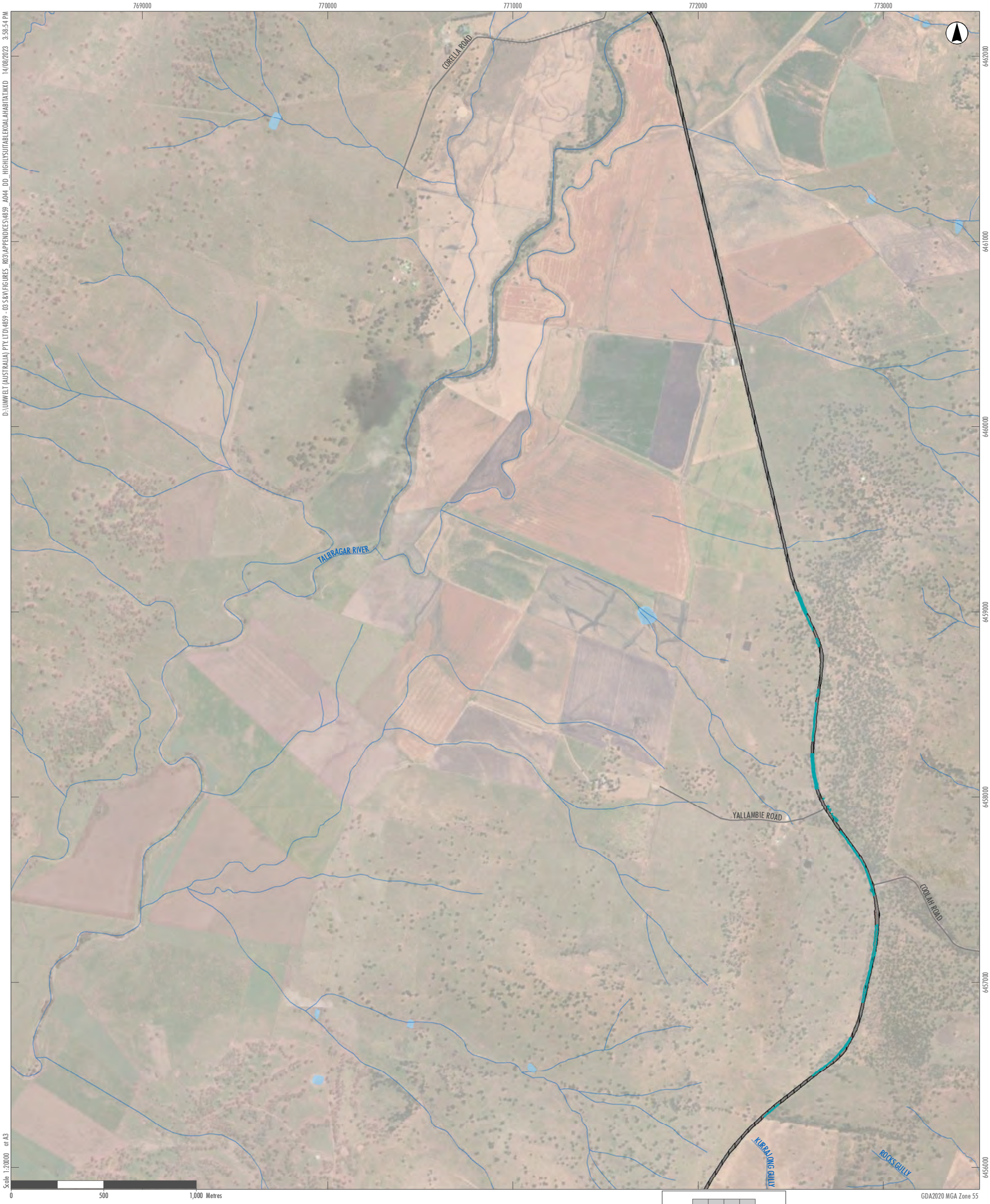
- RTS Project Site
- RTS Development Corridor – Wind Farm
- Drainage Line
- Water Body
- Roads
- Highly Suitable Koala Habitat

	A2	A3	A4	A5	
	B2	B3	B4	B5	
C1	C2	C3	C4	C5	
D1	D2	D3	D4	D5	D6
	E2	E3	E4	E5	E6
		F3	F4	F5	F6
		G3	G4	G5	
	H2	H3	H4		
I1	I2	I3			
J1	J2				
K1					

APPENDIX 5.5 - E6

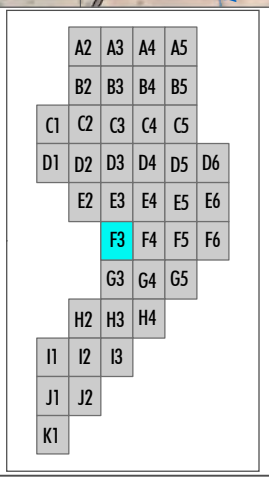
Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)



Legend

- RTS Indicative Development Footprint – Public Road Upgrades
- Drainage Line
- Water Body
- Roads
- Highly Suitable Koala Habitat



APPENDIX 5.5 - F3

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

774000 775000 776000 777000 778000

6462000 6461000 6460000 6459000 6458000 6457000 6456000

COOLAH ROAD

TURILL CREEK

D:\UMWELT (AUSTRALIA) PTY. LTD\4859 - 03 S&V\FIGURES_R03\APPENDICES\4859_A044_DD_HIGHLYSUITABLEKOALAHABITAT.MXD 14/08/2023 3:59:08 PM

Scale 1:20000 at A3

0 500 1,000 Metres

GDA2020 MGA Zone 55

Legend

- RTS Project Site
- RTS Development Corridor – Wind Farm
- RTS Development Corridor – External Transmission Line
- RTS Indicative Development Footprint – Wind Farm
- RTS Indicative Development Footprint – External Transmission Line
- Land Category 1 - Exempt Land
- Drainage Line
- Water Body
- Roads
- Highly Suitable Koala Habitat

	A2	A3	A4	A5		
	B2	B3	B4	B5		
C1	C2	C3	C4	C5		
D1	D2	D3	D4	D5	D6	
	E2	E3	E4	E5	E6	
		F3	F4	F5	F6	
		G3	G4	G5		
	H2	H3	H4			
I1	I2	I3				
J1	J2					
K1						

APPENDIX 5.5 - F4

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

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779000 780000 781000 782000 783000

6462000 6461000 6460000 6459000 6458000 6457000 6456000

LLANGOLLEN ROAD
MUNMURRA RIVER
DARKWOOD ROAD

Scale 1:20000 at A3

0 500 1,000 Metres

GDA2020 MGA Zone 55

Legend

- RTS Project Site
- RTS Development Corridor – Wind Farm
- RTS Development Corridor – External Transmission Line
- RTS Indicative Development Footprint – Wind Farm
- RTS Indicative Development Footprint – Public Road Upgrades
- Land Category 1 - Exempt Land
- Drainage Line
- Water Body
- Roads
- Highly Suitable Koala Habitat

	A2	A3	A4	A5	
	B2	B3	B4	B5	
C1	C2	C3	C4	C5	
D1	D2	D3	D4	D5	D6
	E2	E3	E4	E5	E6
		F3	F4	F5	F6
		G3	G4	G5	
	H2	H3	H4		
I1	I2	I3			
J1	J2				
K1					

APPENDIX 5.5 - F5

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

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umwelt

784000 785000 786000 787000 788000

6462000 6461000 6460000 6459000 6458000 6457000 6456000

CATTLE CREEK ROAD
CATTLE CREEK
COOBA BULGA ROAD
KULOO ROAD
MUNMURRA RIVER
LLANGOLLEN ROAD
PETERS CREEK

Scale 1:20000 at A3

0 500 1,000 Metres

GDA2020 MGA Zone 55

Legend

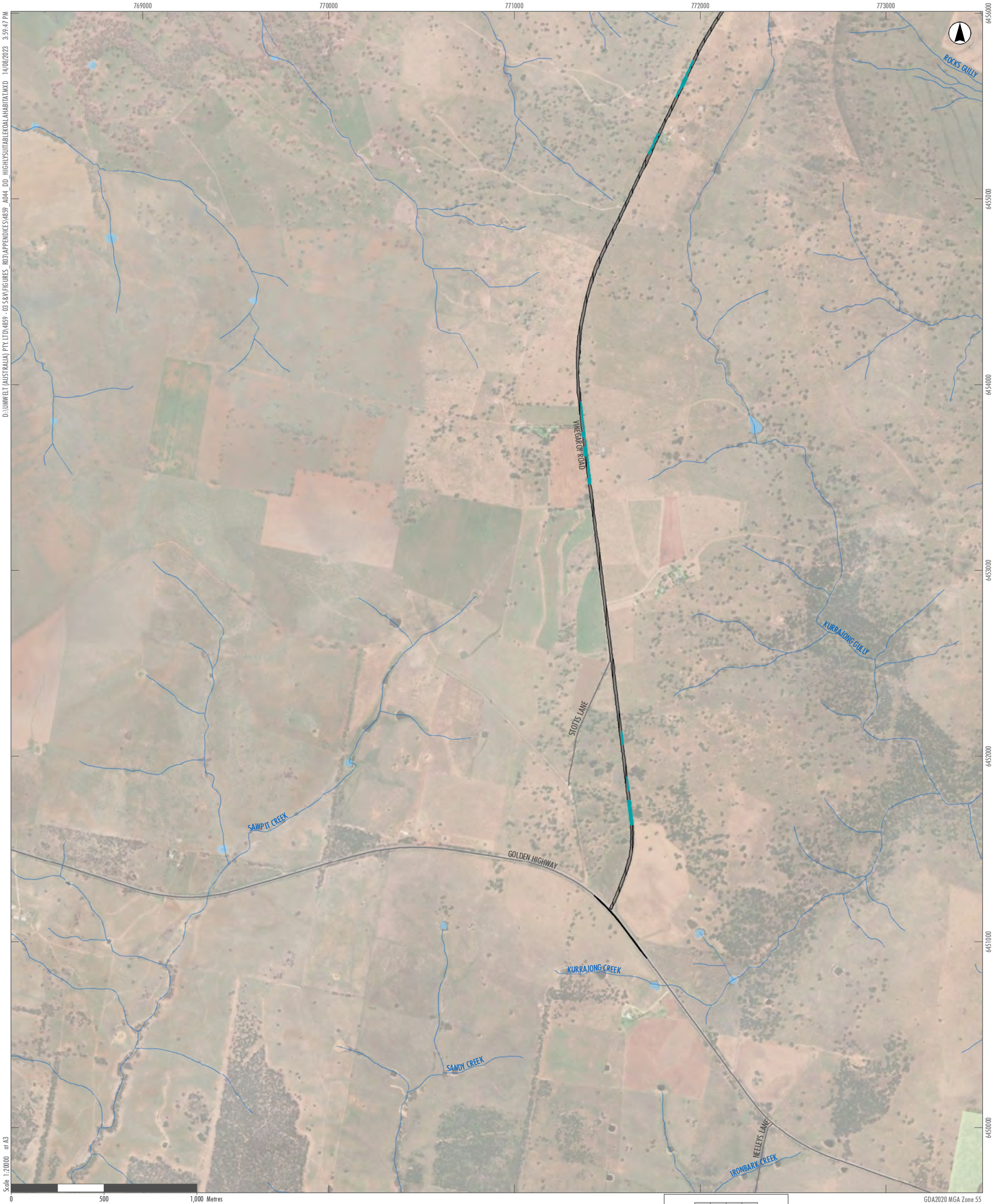
- RTS Project Site
- Drainage Line
- Water Body
- Roads

	A2	A3	A4	A5	
	B2	B3	B4	B5	
C1	C2	C3	C4	C5	
D1	D2	D3	D4	D5	D6
	E2	E3	E4	E5	E6
		F3	F4	F5	F6
		G3	G4	G5	
	H2	H3	H4		
I1	I2	I3			
J1	J2				
K1					

APPENDIX 5.5 - F6

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)



Legend

- RTS Indicative Development Footprint – Public Road Upgrades
- Drainage Line
- Water Body
- Roads
- National Parks (NPWS Estate)
- Highly Suitable Koala Habitat

		A2	A3	A4	A5	
		B2	B3	B4	B5	
C1	C2	C3	C4	C5		
D1	D2	D3	D4	D5	D6	
	E2	E3	E4	E5	E6	
		F3	F4	F5	F6	
		G3	G4	G5		
		H2	H3	H4		
I1	I2	I3				
J1	J2					
K1						

APPENDIX 5.5 - G3

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

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774000 775000 776000 777000 778000

6456000 6455000 6454000 6453000 6452000 6451000 6450000

ROCKS GULLY
TURILL CREEK
FOUR MILE CREEK
KURRAJONG CREEK
IRONBARK CREEK
DURRIDGERE CCA
ZONE 3 STATE
CONSERVATION AREA
GOLDEN HIGHWAY

Scale 1:20000 at A3

0 500 1,000 Metres

GDA2020 MGA Zone 55

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Legend

- RTS Project Site
- RTS Development Corridor – External Transmission Line
- RTS Indicative Development Footprint – External Transmission Line
- Drainage Line
- Water Body
- Roads
- National Parks (NPWS Estate)
- Highly Suitable Koala Habitat

	A2	A3	A4	A5	
	B2	B3	B4	B5	
C1	C2	C3	C4	C5	
D1	D2	D3	D4	D5	D6
	E2	E3	E4	E5	E6
		F3	F4	F5	F6
		G3	G4	G5	
		H2	H3	H4	
	I1	I2	I3		
	J1	J2			
	K1				

APPENDIX 5.5 - G4

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

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779000 780000 781000 782000 783000

6456000 6455000 6454000 6453000 6452000 6451000 6450000

COOLAH ROAD
SCOTT STREET
ANCRUM STREET
DARKWOOD ROAD
MUNMURRA RIVER
UARBRY ROAD
THOMPSONS ROAD
GOLDEN HIGHWAY
TWO MILE HOLLOW CREEK
BORAMBIL RACECOURSE ROAD

Scale 1:20000 at A3

0 500 1,000 Metres

GDA2020 MGA Zone 55

Legend

- RTS Project Site
- RTS Development Corridor – External Transmission Line
- RTS Indicative Development Footprint – External Transmission Line
- Drainage Line
- Water Body
- Roads
- Highly Suitable Koala Habitat

	A2	A3	A4	A5	
	B2	B3	B4	B5	
C1	C2	C3	C4	C5	
D1	D2	D3	D4	D5	D6
	E2	E3	E4	E5	E6
		F3	F4	F5	F6
		G3	G4	G5	
		H2	H3	H4	
	I1	I2	I3		
	J1	J2			
	K1				

APPENDIX 5.5 - G5

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

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764000 765000 766000 767000 768000

6449000 6448000 6447000 6446000 6445000 6444000

DURRIDGERE CCA
ZONE 3 STATE
CONSERVATION AREA

WAGROBIL CREEK

TURILL BUS ROUTE

MURRUMBLINE CREEK

ULAN ROAD

Scale 1:20000 at A3

0 500 1,000 Metres

GDA2020 MGA Zone 55

Legend

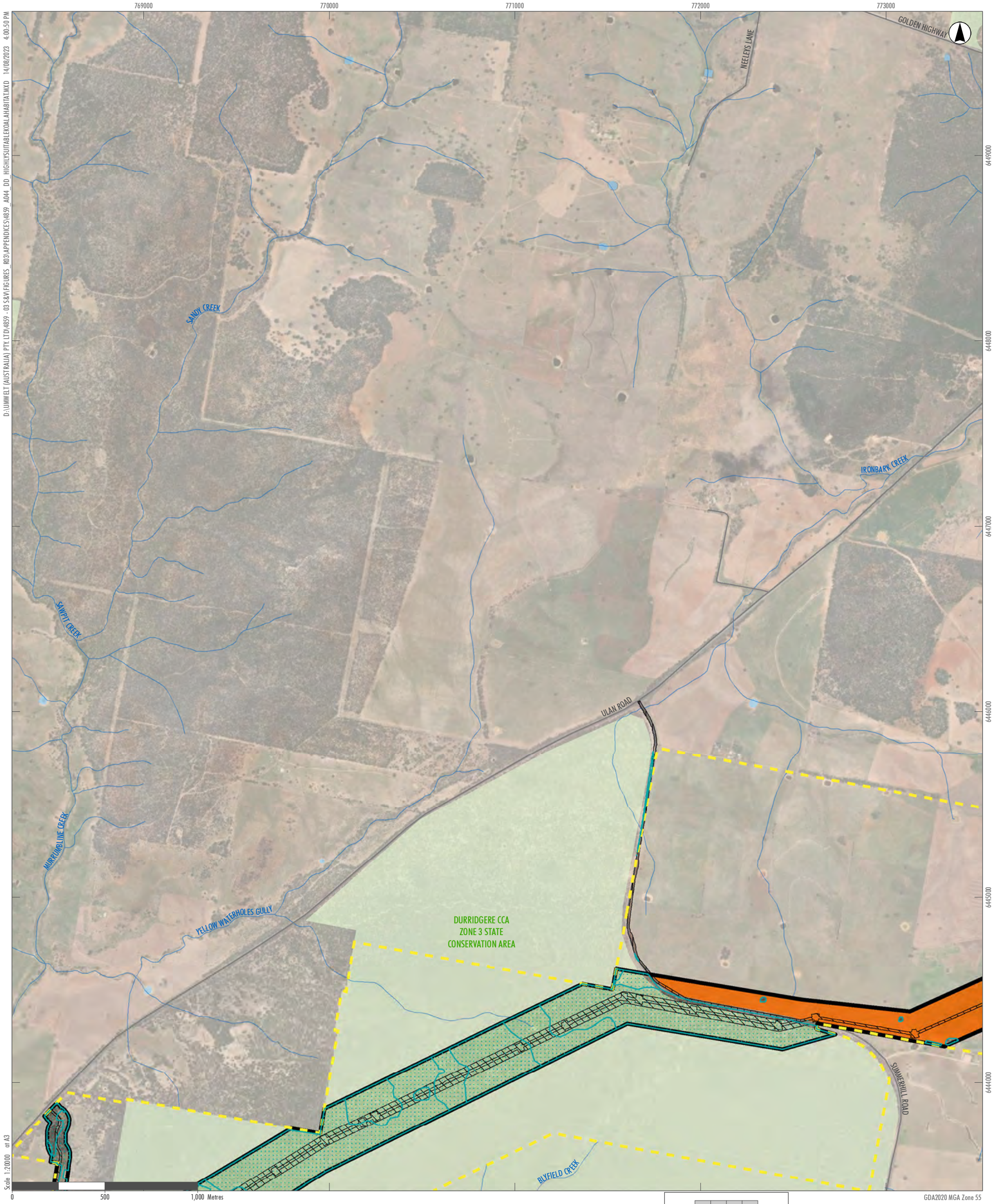
- RTS Project Site
- Drainage Line
- Water Body
- Roads
- National Parks (NPWS Estate)

	A2	A3	A4	A5		
	B2	B3	B4	B5		
C1	C2	C3	C4	C5		
D1	D2	D3	D4	D5	D6	
	E2	E3	E4	E5	E6	
		F3	F4	F5	F6	
		G3	G4	G5		
	H2	H3	H4			
I1	I2	I3				
J1	J2					
K1						

APPENDIX 5.5 - H2

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)



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Legend

- RTS Project Site
- RTS Development Corridor – External Transmission Line
- RTS Indicative Development Footprint – External Transmission Line
- RTS Indicative Development Footprint – Public Road Upgrades
- Land Category 1 - Exempt Land
- Drainage Line
- Water Body
- Roads
- National Parks (NPWS Estate)
- Highly Suitable Koala Habitat

	A2	A3	A4	A5		
	B2	B3	B4	B5		
C1	C2	C3	C4	C5		
D1	D2	D3	D4	D5	D6	
	E2	E3	E4	E5	E6	
		F3	F4	F5	F6	
		G3	G4	G5		
	H2	H3	H4			
I1	I2	I3				
J1	J2					
K1						

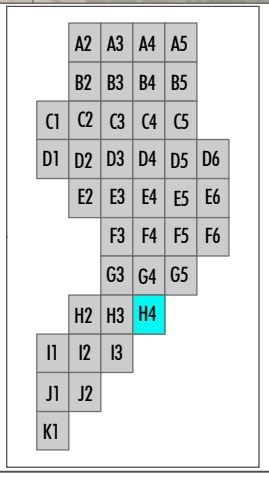
APPENDIX 5.5 - H3

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

Legend

- RTS Project Site
- RTS Development Corridor – External Transmission Line
- RTS Indicative Development Footprint – External Transmission Line
- Land Category 1 - Exempt Land
- Drainage Line
- Water Body
- Roads
- National Parks (NPWS Estate)
- Highly Suitable Koala Habitat



APPENDIX 5.5 - H4

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

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759000 760000 761000 762000 763000

6443000 6442000 6441000 6440000 6439000 6438000

SALTY CREEK
CURRYALL CREEK
CLIFFDALE ROAD
MONA CREEK
DURRIDGERE CCA
ZONE 3 STATE
CONSERVATION AREA
CURRA CREEK
ULAN CREEK
BOBADEEN CREEK
BOBADEEN ROAD

Scale 1:20000 at A3

0 500 1,000 Metres

GDA2020 MGA Zone 55

Legend

- RTS Project Site
- Drainage Line
- Water Body
- Roads
- National Parks (NPWS Estate)

NSW Bionet Atlas TS Records

- Koala

	A2	A3	A4	A5		
	B2	B3	B4	B5		
C1	C2	C3	C4	C5		
D1	D2	D3	D4	D5	D6	
	E2	E3	E4	E5	E6	
		F3	F4	F5	F6	
		G3	G4	G5		
	H2	H3	H4			
I1	I2	I3				
J1	J2					
K1						

APPENDIX 5.5 - I1

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

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764000 765000 766000 767000 768000

6443000 6442000 6441000 6440000 6439000 6438000

DURRIDGERE CCA
ZONE 3 STATE
CONSERVATION AREA

WAGROBIL CREEK
TURILL BUS ROUTE
PHELPS LANE
CLIFFDALE ROAD
ULAN ROAD
MURRUMBLINE CREEK
CURRYALL CREEK
CURRA CREEK

Scale 1:20000 at A3

0 500 1,000 Metres

GDA2020 MGA Zone 55

Legend

- RTS Project Site
- RTS Development Corridor – External Transmission Line
- RTS Indicative Development Footprint – External Transmission Line
- RTS Indicative Development Footprint – Public Road Upgrades
- Land Category 1 - Exempt Land
- Drainage Line
- Water Body
- Roads
- National Parks (NPWS Estate)
- Highly Suitable Koala Habitat

	A2	A3	A4	A5		
	B2	B3	B4	B5		
C1	C2	C3	C4	C5		
D1	D2	D3	D4	D5	D6	
	E2	E3	E4	E5	E6	
		F3	F4	F5	F6	
		G3	G4	G5		
	H2	H3	H4			
I1	I2	I3				
J1	J2					
K1						

APPENDIX 5.5 - I2

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

769000 770000 771000 772000 773000

6443000 6442000 6441000 6440000 6439000 6438000

DURRIDGERE CCA
ZONE 3 STATE
CONSERVATION AREA

BLYFIELD CREEK

SUMMERHILL ROAD

PIPECLAY CREEK

MURRUMBLINE CREEK

Scale 1:20000 at A3

0 500 1,000 Metres

GDA2020 MGA Zone 55

Legend

- RTS Project Site
- RTS Development Corridor – External Transmission Line
- RTS Indicative Development Footprint – External Transmission Line
- Drainage Line
- Water Body
- Roads
- National Parks (NPWS Estate)
- Highly Suitable Koala Habitat

		A2	A3	A4	A5	
		B2	B3	B4	B5	
	C1	C2	C3	C4	C5	
	D1	D2	D3	D4	D5	D6
		E2	E3	E4	E5	E6
			F3	F4	F5	F6
			G3	G4	G5	
		H2	H3	H4		
	I1	I2	I3			
	J1	J2				
	K1					

APPENDIX 5.5 - I3

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

umwelt

759000 760000 761000 762000 763000

6437000 6436000 6435000 6434000 6433000 6432000 6431000

BOBADEEN CREEK
BOBADEEN ROAD
ULAN CREEK
SPRING GULLY
ULAN ROAD

Scale 1:20000 at A3

0 500 1,000 Metres

GDA2020 MGA Zone 55

Legend

- RTS Project Site
- RTS Development Corridor – External Transmission Line
- RTS Indicative Development Footprint – External Transmission Line
- Drainage Line
- Water Body
- Roads
- National Parks (NPWS Estate)
- Highly Suitable Koala Habitat

	A2	A3	A4	A5		
	B2	B3	B4	B5		
C1	C2	C3	C4	C5		
D1	D2	D3	D4	D5	D6	
	E2	E3	E4	E5	E6	
		F3	F4	F5	F6	
		G3	G4	G5		
		H2	H3	H4		
	I1	I2	I3			
	J1	J2				
	K1					

APPENDIX 5.5 - J1

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

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764000 765000 766000 767000 768000

6437000 6436000 6435000 6434000 6433000 6432000 6431000

ULAN ROAD

DUBRIDGERIE ROAD

GOULBURN RIVER NATIONAL PARK

GOULBURN RIVER

SADDLERS CREEK

Scale 1:20000 at A3

0 500 1,000 Metres

GDA2020 MGA Zone 55

Legend

- RTS Project Site
- RTS Development Corridor – External Transmission Line
- RTS Indicative Development Footprint – External Transmission Line
- Drainage Line
- Water Body
- Roads
- National Parks (NPWS Estate)
- Highly Suitable Koala Habitat

	A2	A3	A4	A5		
	B2	B3	B4	B5		
C1	C2	C3	C4	C5		
D1	D2	D3	D4	D5	D6	
	E2	E3	E4	E5	E6	
		F3	F4	F5	F6	
		G3	G4	G5		
		H2	H3	H4		
	I1	I2	I3			
	J1	J2				
	K1					

APPENDIX 5.5 - J2

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)

Legend

- RTS Project Site
- RTS Development Corridor – External Transmission Line
- RTS Indicative Development Footprint – External Transmission Line
- Land Category 1 - Exempt Land
- Drainage Line
- Water Body
- Roads
- Highly Suitable Koala Habitat

NSW Bionet Atlas TS Records

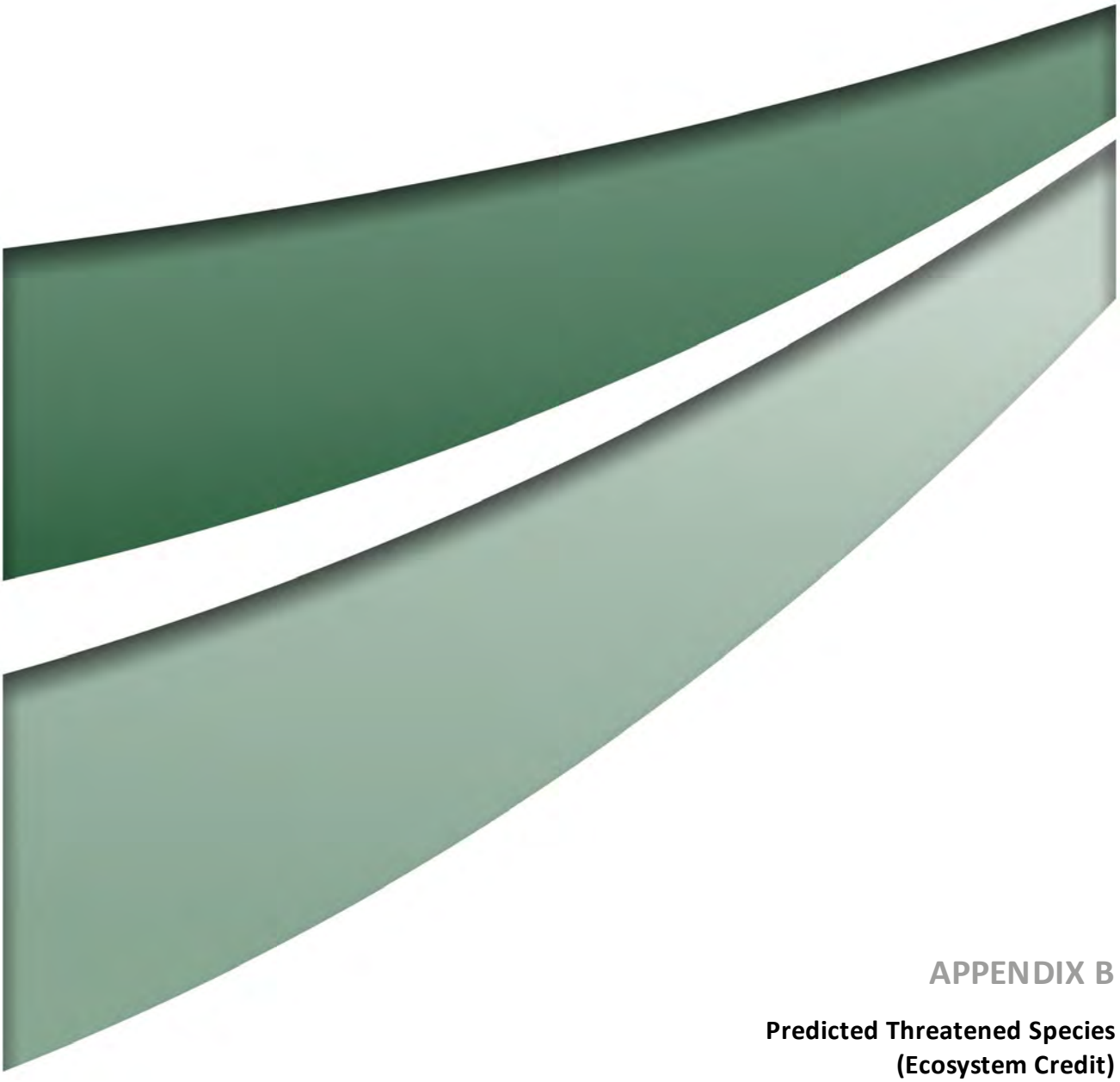
- Koala

	A2	A3	A4	A5		
	B2	B3	B4	B5		
C1	C2	C3	C4	C5		
D1	D2	D3	D4	D5	D6	
	E2	E3	E4	E5	E6	
		F3	F4	F5	F6	
		G3	G4	G5		
	H2	H3	H4			
I1	I2	I3				
J1	J2					
K1						

APPENDIX 5.5 - K1

Liverpool Range Wind Farm
Highly Suitable Koala Habitat

Image Source: ESRI Basemap (2022) Data source: NSW DSFI (2022), NSW Bionet Atlas records (2023), (NGH Environmental 2013a, 2013b and 2017)



APPENDIX B

Predicted Threatened Species (Ecosystem Credit)

Appendix B Predicted Ecosystem-credit Species

Species	BC Act	EPBC Act	Calculator Assessment	Sensitivity to Gain	Habitat Constraint	Geographic Limitations	PCT Prediction	Deselection
Anthochaera phrygia Regent Honeyeater (Foraging)	CE	CE	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin - Kerrabee	High	-	-	84 281 483 488	Nil
Artamus cyanopterus cyanopterus Dusky Woodswallow	V	-	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin - Kerrabee	Moderate	-	-	84 281488 490 495	Nil
Callocephalon fimbriatum Gang-gang Cockatoo (Foraging)	V	-	Sydney Basin - Kerrabee	Moderate	-	-	281	Nil
Calyptorhynchus lathami Glossy Black-Cockatoo (Foraging)	V	V	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin - Kerrabee	High	Presence of *Allocasuarina* and *Casuarina* species	-	488 495	
Chalinolobus picatus Little Pied Bat	V	-	Brigalow Belt South – Piliga	High	-	-	84 281 488	Nil

Species	BC Act	EPBC Act	Calculator Assessment	Sensitivity to Gain	Habitat Constraint	Geographic Limitations	PCT Prediction	Deselection
Chthonicola sagittata Speckled Warbler	V	-	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin - Kerrabee	High	-	-	84 281 488 495	Nil
Circus assimilis Spotted Harrier	V	-	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga	Moderate	-	-	84 281	Nil
Climacteris picumnus victoriae Brown Treecreeper (eastern subspecies)	V	-	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin - Kerrabee	High	-	-	84 281 488 495	Nil
Daphoenositta chrysoptera Varied Sittella	V	-	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin - Kerrabee	Moderate	-	-	84 281 488 495	Nil
Dasyurus maculatus Spotted-tailed Quoll	V	E	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin - Kerrabee	High	-	-	84 281 488 495	Nil

Species	BC Act	EPBC Act	Calculator Assessment	Sensitivity to Gain	Habitat Constraint	Geographic Limitations	PCT Prediction	Deselection
Ephippiorhynchus asiaticus Black-necked Stork	E	-	Brigalow Belt South – Piliga	Moderate	Shallow, open freshwater or saline wetlands or shallow edges of deeper wetlands within 300 m of these; Shallow lakes, lake margins and estuaries within 300 m of these waterbodies	-	84	84 – Habitat constraints not present
Falco hypoleucos *Grey Falcon*	E	-	Brigalow Belt South – Piliga	Moderate	-	-	84	Nil
Falco subniger Black Falcon	V	-	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin - Kerrabee	Moderate	-	-	84 281	Nil
Falsistrellus tasmaniensis Eastern False Pipistrelle	V	-	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga	High	-	-	488 495	Nil
Glossopsitta pusilla Little Lorikeet	V	-	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin - Kerrabee	High	-	-	84 281 483 488	Nil
Grantiella picta Painted Honeyeater	V	V	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin - Kerrabee	Moderate	Mistletoes present at density of greater than 5/ha	-	84 281 483 488 495	Nil

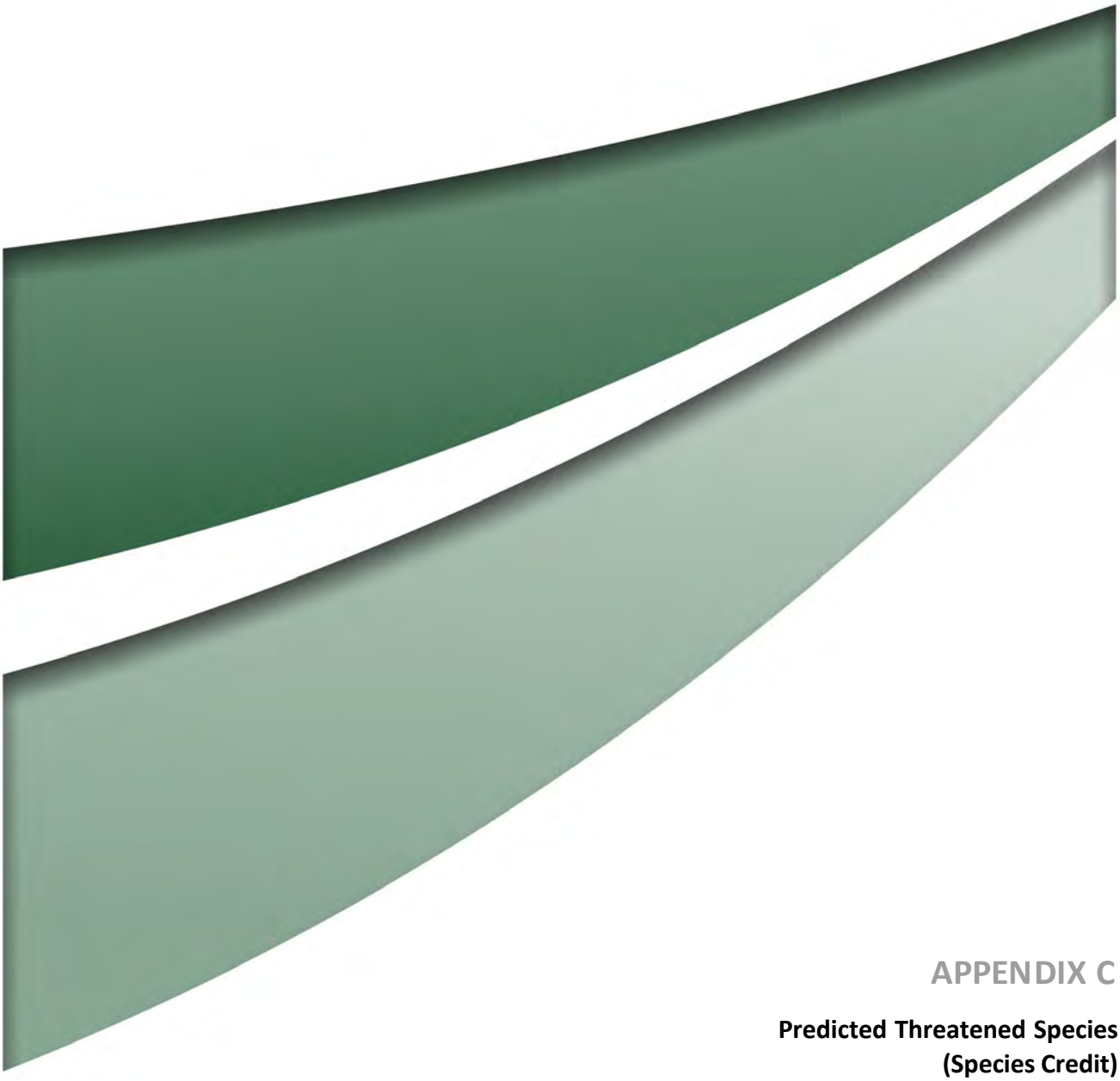
Species	BC Act	EPBC Act	Calculator Assessment	Sensitivity to Gain	Habitat Constraint	Geographic Limitations	PCT Prediction	Deselection
Haliaeetus leucogaster White-bellied Sea-Eagle (Foraging)	V	-	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin - Kerrabee	High	Waterbodies; within 1km of rivers, lakes, large dams or creeks wetlands and coastlines	-	84 281 488 490	Nil
Hamirostra melanosternon Black-breasted Buzzard (Foraging)	V	-	Brigalow Belt South – Piliga	Moderate	-	-	84	Nil
Hieraaetus morphnoides Little Eagle (Foraging)	V	-	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin - Kerrabee	Moderate	-	-	84 281 488 495	Nil
Hirundapus caudacutus White-throated Needletail	-	V	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin - Kerrabee	High	-	-	84 281 483 488 490 495	Nil
Hoplocephalus bungaroides Broad-headed Snake (Foraging)	E	V	Sydney Basin - Kerrabee	High	-	-	1675	Nil

Species	BC Act	EPBC Act	Calculator Assessment	Sensitivity to Gain	Habitat Constraint	Geographic Limitations	PCT Prediction	Deselection
Lathamus discolor Swift Parrot (Foraging)	E	CE	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin - Kerrabee	Moderate	-	-	281 488 495	Nil
Lophochroa leadbeateri Major Mitchell's Cockatoo (Foraging)	V	-	Brigalow Belt South – Piliga	Moderate	-	-	84	Nil
Lophoictinia isura Square-tailed Kite (Foraging)	V	-	Brigalow Belt South – Piliga Sydney Basin - Kerrabee	Moderate	-	-	84 281 488 1661 1675	Nil
Melanodryas cucullata cucullata Hooded Robin (south-eastern form)	V	-	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin - Kerrabee	Moderate	-	-	84 281 488 495	Nil
Melithreptus gularis gularis Black-chinned Honeyeater (easetern subspecies)	V	-	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin - Kerrabee	Moderate	-	-	84 281 488	Nil

Species	BC Act	EPBC Act	Calculator Assessment	Sensitivity to Gain	Habitat Constraint	Geographic Limitations	PCT Prediction	Deselection
Miniopterus orianae oceanensis Large Bent-winged Bat (Foraging)	V	-	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin - Kerrabee	High	-	-	84 281 488 495	Nil
Neophema pulchella Turquoise Parrot	V	-	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin - Kerrabee	High	-	-	84 281 483 488	Nil
Ninox connivens Barking Owl (Foraging)	V	-	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin - Kerrabee	High	-	-	84 281 483 488 490 495 1661 1675	Nil
Ninox strenua Powerful Owl (Foraging)	V	-	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin - Kerrabee	High	-	-	84 281	Nil
Nyctophilus corbeni Corben's Long-eared Bat	V	V	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin - Kerrabee	High	-	-	84 488	Nil

Species	BC Act	EPBC Act	Calculator Assessment	Sensitivity to Gain	Habitat Constraint	Geographic Limitations	PCT Prediction	Deselection
Petroica boodang Scarlet Robin	V	-	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin - Kerrabee	Moderate	-	-	84 281 488 495	Nil
Petroica phoenicea Flame Robin	V	-	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin - Kerrabee	Moderate	-	-	281 488 495	Nil
Phascolarctos cinereus Koala (Foraging)	V	V	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin - Kerrabee	High	-	-	84 281 488 495	Nil
Polytelis swainsonii Superb Parrot (Foraging)	V	V	Brigalow Belt South – Piliga	Moderate	-	-	84 281	Nil
Pomatostomus temporalis temporalis Grey-crowned Babbler (eastern subspecies)	V	-	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin - Kerrabee	Moderate	-	-	84 281	Nil
Pteropus poliocephalus Grey-headed Flying-fox (Foraging)	V	V	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin - Kerrabee	High	-	-	84 281 488 495	Nil

Species	BC Act	EPBC Act	Calculator Assessment	Sensitivity to Gain	Habitat Constraint	Geographic Limitations	PCT Prediction	Deselection
Saccolaimus flaviventris Yellow-bellied Sheathtail-bat	V	-	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin - Kerrabee	High	-	-	84 281 488 495	Nil
Scoteanax rueppellii Greater Broad-nosed Bat	V	-	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga	High	-	-	488 495	Nil
Stagonopleura guttata Diamond Firetail	V	-	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin - Kerrabee	Moderate	-	-	84 281 488 495	Nil
Tyto novaehollandiae Masked Owl (Foraging)	V	-	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin - Kerrabee	High	-	-	84 281 488 495	Nil
Varanus rosenbergi Rosenberg's Goanna	V	-	Sydney Basin - Kerrabee	High	-	-	281	Nil



APPENDIX C

Predicted Threatened Species (Species Credit)

Appendix C Predicted Species-credit Species

Species	BC Act	EPBC Act	Sensitivity to Gain	Calculator	Habitat Constraint	Geographic Limitations	Survey Period	SAII Entity	Survey Method / Deselection and Justification
Acacia ausfeldii Ausfeld's Wattle	V	-	High	Brigalow Belt South – Piliga Sydney Basin – Kerrabee	Footslopes and low rises on sandstone	-	Aug–Oct	-	**Species present. Recorded by NGH in previous design, but this record has been avoided by the RTS Project.** There are extensive records (+100) of the species within 10 km of the transmission line of the RTS Development Corridor (DPIE 2021). There are 76 records of this species within the RTS Development Corridor (DPIE 2021) near the entry to Ulan Mine. **These records have been used to prepare a species polygon.** Threatened species transects, random meanders, BAM Vegetation Integrity Plots, Floristic Plots and opportunistic surveys undertaken within the RTS Development Corridor in Oct 2012[1], Oct 2013[1], Oct 2016[1], Aug and Oct 2020 and Sept 2021 in suitable habitat. NGH Environmental recorded the species at three locations, two along Golden Highway and one along Turill Bus Route Road. All three of these records are being avoided by the RTS Project.
Anthochaera phrygia Regent Honeyeater (Breeding)	CE	CE	High	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin – Kerrabee	As per mapped areas	-	N/A	✓	**The species was deselected as the RTS Project does not intersect with the mapped areas for this species. Furthermore, species not present.** The nearest known record is approximately 7 km to the southwest of the southern extent of the RTS Development Corridor (DPIE 2021). Targeted surveys via call playback and diurnal bird surveys within suitable habitat was undertaken in Aug 2020. Opportunistic surveys have also been undertaken in May 2020, Jun 2020 and May 2021. The species was not recorded despite surveys (targeted and opportunistic) since 2020.
Aprasia parapulchella Pink-tailed Legless Lizard	V	V	High	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin – Kerrabee	Rocky areas; Or within 50 m of rocky areas	-	Sep–Nov	-	**Species not present**. The nearest known record is approximately 20 km to the east of the southern extent of the Project (DPIE 2021). Targeted surveys via targeted herpetofauna surveys in suitable habitat was undertaken in Oct 2012[1] and Oct 2013[1]. The species was not recorded despite targeted surveys in 2012 and 2013.
Ardeotis australis Australian Bustard	E	-	High	Brigalow Belt South – Piliga	-	-	All year	-	**Species not present**. There are no known records of the species within 10 km of the RTS Development Corridor (DPIE 2021). Habitat assessments and opportunistic surveys were conducted during all surveys on the Project. Being Oct 2012[1], Oct 2013[1], March 2015[1], Oct 2016[1], Apr 2020, May 2020, Jun 2020, Aug 2020, Oct 2020, Jan 2021, May 2021 and Sep 2021. The species was not recorded despite extensive surveys since 2012.
Burhinus grallarius Bush Stone-curlew	E	-	High	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin – Kerrabee	Fallen/standing dead timber including logs	-	All year	-	**Species not present**. There are no known records of the species within 10 km of the RTS Development Corridor (DPIE 2021). The nearest known record is 11 km southwest of the RTS Development Corridor (DPIE 2021). Habitat assessments and opportunistic surveys were conducted during all surveys on the Project. Being Oct 2012[1], Oct 2013[1], March 2015[1], Oct 2016[1], Apr 2020, May 2020, Jun 2020, Aug 2020, Oct 2020, Jan 2021, May 2021 and Sep 2021. The species was not recorded despite intensive surveys since 2012.

Species	BC Act	EPBC Act	Sensitivity to Gain	Calculator	Habitat Constraint	Geographic Limitations	Survey Period	SAII Entity	Survey Method / Deselection and Justification
Callocephalon fimbriatum Gang-gang Cockatoo (Breeding)	V	-	High	Sydney Basin – Kerrabee	Hollow bearing trees; eucalypt tree species with hollows greater than 9 cm diameter	-	Oct–Jan	-	**No further survey required**. The vegetation present is not considered suitable breeding habitat for this species as it typically breeds in tall mountain forests. There are four known record locations of the species within 10 km of the transmission line of the RTS Development Corridor (DPIE 2021). Opportunistic observations and bird surveys were completed during all surveys for the Project. Being Oct 2012[1], Oct 2013[1], Oct 2016[1], Oct 2020 and Jan 2021. The species was not recorded despite intensive surveys since 2012.
Calyptorhynchus lathami Glossy Black-Cockatoo (Breeding)	V	-	High	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin – Kerrabee	Hollow bearing trees; living or dead tree with hollows greater than 15 cm diameter and greater than 8 m above ground	-	Apr–Aug	-	**Species present**. There are two known records of the species within approximately 3 km east of the RTS Development Corridor within Coolah Tops National Park; there are numerous records of the species within 10 km of the transmission line of the RTS Development Corridor (DPIE 2021). Habitat assessments, bird surveys and opportunistic surveys were conducted during all surveys on the Project. Being Oct 2012[1], Oct 2013[1], March 2015[1], Oct 2016[1], Apr 2020, May 2020, Jun 2020, Aug 2020, Oct 2020, Jan 2021, May 2021 and Sep 2021. NGH Environmental recorded the species at 28 locations (including 11 passive records i.e. chewed sheoak cones) during surveys of the transmission line[1] all are south of the Golden Highway. Umwelt did not record the species.
Cercartetus nanus Eastern Pygmy-possum	V	-	High	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin – Kerrabee	-	-	Oct–Mar	-	**Species not present.** There are no known records of the species within 10 km of the RTS Development Corridor (DPIE 2021). The nearest known record is some 40 km southwest of the RTS Development Corridor (DPIE 2021). Remote survey cameras were installed by NGH Environmental during October 2013, the documentation is unclear how many cameras were installed, however 67 surveys (assumed nights) are stated[1]. Remote survey cameras (incl. Bushnell Trophy Cam HD, Reconyx and Swift Enduro models) were installed by Umwelt at 10 locations in October 2020 and a further 10 locations in May 2021 within the RTS Development Corridor. At each site, a remote camera was mounted on a tree trunk and positioned towards a bait station containing peanut butter, honey and oats. Bait stations were also sprayed heavily with honey water. Cameras were set to take three photos in quick succession when movement was detected. October 2020 were deployed for 50 nights, May 2021 were deployed for 137 nights. Cameras were not re-baited during deployment, however analysis of the survey photos confirms bait remained as an attractant as animal activity was recorded throughout. Despite this, for the purpose of this assessment, only two weeks of survey has been considered in survey nights. While camera deployment totalled 1,870 nights, survey nights totalled 280 nights. The species was not detected despite extensive survey since 2012.
Chalinolobus dwyeri *Large-eared Pied Bat*	V	V	Very High	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin – Kerrabee	Cliffs; Within two kilometres of rocky areas containing caves, overhangs, escarpments, outcrops, or crevices, or within two kilometres of old mines or tunnels	-	Nov–Jan	✓	**Species present.** There are more than 20 known records of the species within 10 km of the transmission line of the RTS Development Corridor (DPIE 2021). NGH Environmental survey effort included 15 survey sites, totalling 21 nights of survey data. This survey effort recorded this species at five locations as part of the original assessment, primarily within and adjacent to the Durridgere State Conservation Area as well as one location in the wind farm component of the Project (NGH 2013a, 2013b and 2017). Umwelt survey effort including six anabat units were deployed within the RTS Development Corridor in May 2020, four of which were at/near ground level, while two were deployed on a meteorological mast approximately 20–30 m high. There were a total of 13 nights worth of data. Umwelt survey effort did not record this species despite extensive surveys.

Species	BC Act	EPBC Act	Sensitivity to Gain	Calculator	Habitat Constraint	Geographic Limitations	Survey Period	SAII Entity	Survey Method / Deselection and Justification
Commersonia procumbens	V	V	High	Brigalow Belt South – Piliga Sydney Basin – Kerrabee	Piliga sandstone	-	Aug–May	-	**Species not present.** There is one known record approximately 2 km east of the transmission line of the RTS Development Corridor (DPIE 2021). Threatened species transects, random meanders, BAM Vegetation Integrity Plots, Floristic Plots and opportunistic surveys undertaken within the RTS Development Corridor in Oct 2012[1], Oct 2013[1], Mar 2015[1], Oct 2016[1], Apr 2020, May 2020, Aug and Oct 2020, Jan 2021, May 2021 and Sept 2021 in suitable habitat. The species was not detected despite extensive surveys since 2012.
Delma impar Striped Legless Lizard	V	V	Moderate	Brigalow Belt South – Liverpool Range Sydney Basin – Kerrabee	-	-	Sep–Dec	-	**No further survey required**. There are no known records of the species within 10 km of the RTS Development Corridor (DPIE 2021). Furthermore, there are no known records within the broader region (~approximately 50 km) (DPIE 2021).
Dichanthium setosum Bluegrass	V	V	High	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga	-	-	Nov–May	-	**Species not present.** There are no known records of the species within 10 km of the RTS Development Corridor (DPIE 2021). The closest known record is some 20 km east of the transmission line of the RTS Development Corridor (DPIE 2021). Threatened species transects, random meanders, BAM Vegetation Integrity Plots, Floristic Plots and opportunistic surveys undertaken within the RTS Development Corridor in Mar 2015[1], Apr 2020, May 2020, Jan 2021 and May 2021 in suitable habitat. The species was not recorded despite extensive surveys since 2015.
Digitaria porrecta Finger Panic Grass	E	-	Moderate	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga	-	-	Jan–Feb	-	**Species not present.** There are two known records of the species within 10 km of the northern boundary of the RTS Development Corridor (DPIE 2021). Threatened species transects, random meanders, BAM Vegetation Integrity Plots, Floristic Plots and opportunistic surveys undertaken within the RTS Development Corridor in Jan 2021 in suitable habitat. The species was not recorded despite extensive surveys in 2021.
Diuris tricolor Pine Donkey Orchid	V	-	Moderate	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin – Kerrabee	-	-	Sep–Oct	-	**Species not present.** There are two known records within 5 km of the southern extent of the transmission line of the RTS Development Corridor (DPIE 2021). Threatened species transects, random meanders, BAM Vegetation Integrity Plots, Floristic Plots and opportunistic surveys undertaken within the RTS Development Corridor in Oct 2012[1], Oct 2013[1], Mar 2015[1], Oct 2016[1], Oct 2020 and Sept 2021 in suitable habitat. The species was not recorded despite extensive surveys since 2012.
Haliaeetus leucogaster White-bellied Sea-Eagle (Breeding)	V	-	High	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin – Kerrabee	Living or dead mature trees within suitable vegetation within 1 km of a rivers, lakes, large dams or creeks, wetlands and coastlines	-	Jul–Dec	-	**Species not present.** There are seven known records within 10 km of the transmission line of the RTS Development Corridor (DPIE 2021). Habitat assessments, bird surveys and opportunistic surveys were conducted during all surveys on the Project. Being Oct 2012[1], Oct 2013[1], Oct 2016[1], Aug 2020, Oct 2020 and Sep 2021. The species was not recorded despite extensive surveys since 2012.
Hamirostra melanosternon Black-breasted Buzzard (Breeding)	V	-	Moderate	Brigalow Belt South – Piliga	Waterbodies; Land within 40 m of riparian woodland on inland watercourses/waterholes containing dead or dying eucalypts	-	Sep–Nov	-	**Species not present.** There is one known record approximately 7 km west of the transmission line of the RTS Development Corridor (DPIE 2021). Habitat assessments and opportunistic surveys were conducted during all surveys on the Project. Being Oct 2012[1], Oct 2013[1], Oct 2016[1], Oct 2020 and Sep 2021. Furthermore, bird surveys were conducted in Oct 2012 and Oct 2013. The species was not recorded despite extensive surveys since 2012.

Species	BC Act	EPBC Act	Sensitivity to Gain	Calculator	Habitat Constraint	Geographic Limitations	Survey Period	SAII Entity	Survey Method / Deselection and Justification
Heleioporus australiacus Giant Burrowing Frog	V	V	Moderate	Sydney Basin – Kerrabee	-	-	Sep–May	-	**No further survey required.** There are no known records of the species within 10 km of the RTS Development Corridors (DPIE 2021). The nearest known record is some 70 km southeast (DPIE 2021).
Hieraaetus morphnoides Little Eagle (Breeding)	V	-	Moderate	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin – Kerrabee	Nest trees – live (occasionally dead) large old trees within vegetation)	-	Aug–Oct	-	**Species not present.** There are approximately 12 known records of the species within 10 km Development Corridors (DPIE 2021). This includes in Coolah Tops National Park, in the township of Coolah and in proximity to the transmission line of the RTS Development Corridors. Habitat assessments and opportunistic surveys were conducted during all surveys on the Project. Being Oct 2012[1], Oct 2013[1], Oct 2016[1], Aug 2020, Oct 2020 and Sep 2021. Furthermore, bird surveys were conducted in Oct 2012, Oct 2013 and Aug 2020. The species was not recorded despite extensive surveys since 2012.
Hoplocephalus bitorquatus Pale-headed Snake	V	-	High	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin – Kerrabee	-	-	Nov–Mar	-	**No further survey required.** There are no known records of the species within 10 km of the RTS Development Corridor (DPIE 2021). Furthermore, there are no known records within the broader region (~approximately 50 km) (DPIE 2021).
Lathamus discolor Swift Parrot (Breeding)	E	CE	Moderate	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin – Kerrabee	As per mapped areas	-	N/A	✓	**The species was deselected as the RTS Project does not intersect with the mapped areas for this species. Furthermore, species not present.** There are three known records of the species within 6 km of the transmission line of the RTS Development Corridor (DPIE 2021). Targeted surveys via call playback and diurnal bird surveys within suitable habitat was undertaken in Aug 2020. Opportunistic surveys have also been undertaken in May 2020, Jun 2020 and May 2021. The species was not recorded despite surveys (targeted and opportunistic) since 2020.
Lophochroa leadbeateri Major Mitchell's Cockatoo (Breeding)	V	-	High	Brigalow Belt South – Piliga	Hollow bearing trees; living or dead tree with hollows greater than 10 cm diameter	-	Sep–Dec	-	**No further survey required.** There are no known records of the species within 10 km of the RTS Development Corridor (DPIE 2021). The nearest known record is some 40 km southwest of the RTS Development Corridor (DPIE 2021).
Lophoictinia isura Square-tailed Kite (Breeding)	V	-	Moderate	Brigalow Belt South – Piliga Sydney Basin – Kerrabee	Nest trees	-	Sep–Jan	-	**Species present.** There are no known records of the species within 10 km of the RTS Development Corridor (DPIE 2021). The nearest known record is 12 km southwest of the RTS Development Corridor (DPIE 2021). A breeding nest was recorded by NGH Environmental in proximity to the transmission line easement and an associated access track[1]. The nest itself has been avoided by the RTS Project, however native woody and non-woody vegetation within a 300 m buffer of the nest does occur. Umwelt did not record the species.

Species	BC Act	EPBC Act	Sensitivity to Gain	Calculator	Habitat Constraint	Geographic Limitations	Survey Period	SAII Entity	Survey Method / Deselection and Justification
Miniopterus orianae oceanensis Large Bent-winged Bat (Breeding)	V	-	Very High	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin – Kerrabee	Cave, tunnel, mine, culvert or other structure known or suspected to be used for breeding including species records with microhabitat code "IC - in cave; " observation type code "E nest-roost; " with numbers of individuals >500	-	Dec–Feb	✓	**Species recorded previously by NGH Environmental[1] and by Umwelt; however breeding habitat has not been identified.** There are more than 20 known records of the species within 10 km of the transmission line of the RTS Development Corridors, and one known record east of the RTS Development Corridor within Coolah Tops National Park (DPIE 2021). NGH Environmental survey effort included 15 survey sites, totalling 21 nights of survey data[1]. Documentation of the results is unclear whether the species recorded from these surveys was the threatened Large Bent-winged Bat or the non-threatened species Common bent-winged bat (*Miniopterus schreibersii*) [1]. Records of this species group occurred at seven locations across the entire Project[1]. Umwelt survey effort including six anabat units were deployed within the RTS Development Corridor in May 2020, four of which were at/near ground level, while two were deployed on a meteorological mast approximately 20–30 m high. There were a total of 13 nights worth of data. Umwelt survey effort recorded this species to a possible or species group confidence. It was recorded at one location.
Monotaxis macrophylla Large-leafed Monotaxis	E	-	High	Brigalow Belt South – Piliga Sydney Basin – Kerrabee	-	-	Aug–Feb	-	**No further survey required**. There are no known records of the species within 10 km of the RTS Development Corridor (DPIE 2021). The nearest known record is some 75 km east of the RTS Development Corridor (DPIE 2021). Threatened species transects, random meanders, BAM Vegetation Integrity Plots, Floristic Plots and opportunistic surveys undertaken within the RTS Development Corridor in Oct 2012[1], Oct 2013[1], Mar 2015[1], Oct 2016[1], Aug 2020, Oct 2020, Jan 2021 and Sept 2021 in suitable habitat. The species was not detected despite extensive surveys since 2012.
Myotis macropus southern Myotis	V	-	High	Nil	Hollow bearing trees within 200 m of riparian zone; Bridges, caves or artificial structures within 200 m of riparian zone; This includes rivers, creeks, billabongs, lagoons, dams and other waterbodies on or within 200 m of the site	-	Oct–Mar	-	**Species recorded by Umwelt.** There are no known records of the species within 10 km of the RTS Development Corridor (DPIE 2021). The nearest known record is some 73 km east of the RTS Development Corridor (DPIE 2021). NGH Environmental survey effort included 15 survey sites, totalling 21 nights of survey data. The species was not recorded through NGH Environmental survey effort. Umwelt survey effort including six anabat units were deployed within the RTS Development Corridor in May 2020, four of which were at/near ground level, while two were deployed on a meteorological mast approximately 20–30 m high. There were a total of 13 nights worth of data. Umwelt survey effort recorded this species to a possible or species group confidence. It was recorded at one location.
Ninox connivens Barking Owl (Breeding)	V	-	High	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin – Kerrabee	Hollow bearing trees; living or dead with hollows greater than 20 cm diameter and greater than 4 m above the ground	-	May–Dec	-	**Species present, but breeding habitat not present.** There are 13 known records within 10 km of the RTS Development Corridor (DPIE 2021). Including in Coolah Tops National Park, in Coolah and in proximity to the transmission line of the RTS Development Corridor (DPIE 2021). Targeted call playback and spotlighting surveys were undertaken in suitable habitat in Oct 2012, Oct 2013, March 2015, May 2020 and May 2021. Habitat assessments were conducted during all surveys on the Project. Being Oct 2012[1], Oct 2013[1], March 2015[1], Oct 2016[1], Apr 2020, May 2020, Jun 2020, Aug 2020, Oct 2020, Jan 2021, May 2021 and Sep 2021. Umwelt recorded one individual during surveys in May 2020. No breeding activity (including potential) was recorded. NGH Environmental did not record the species[1].

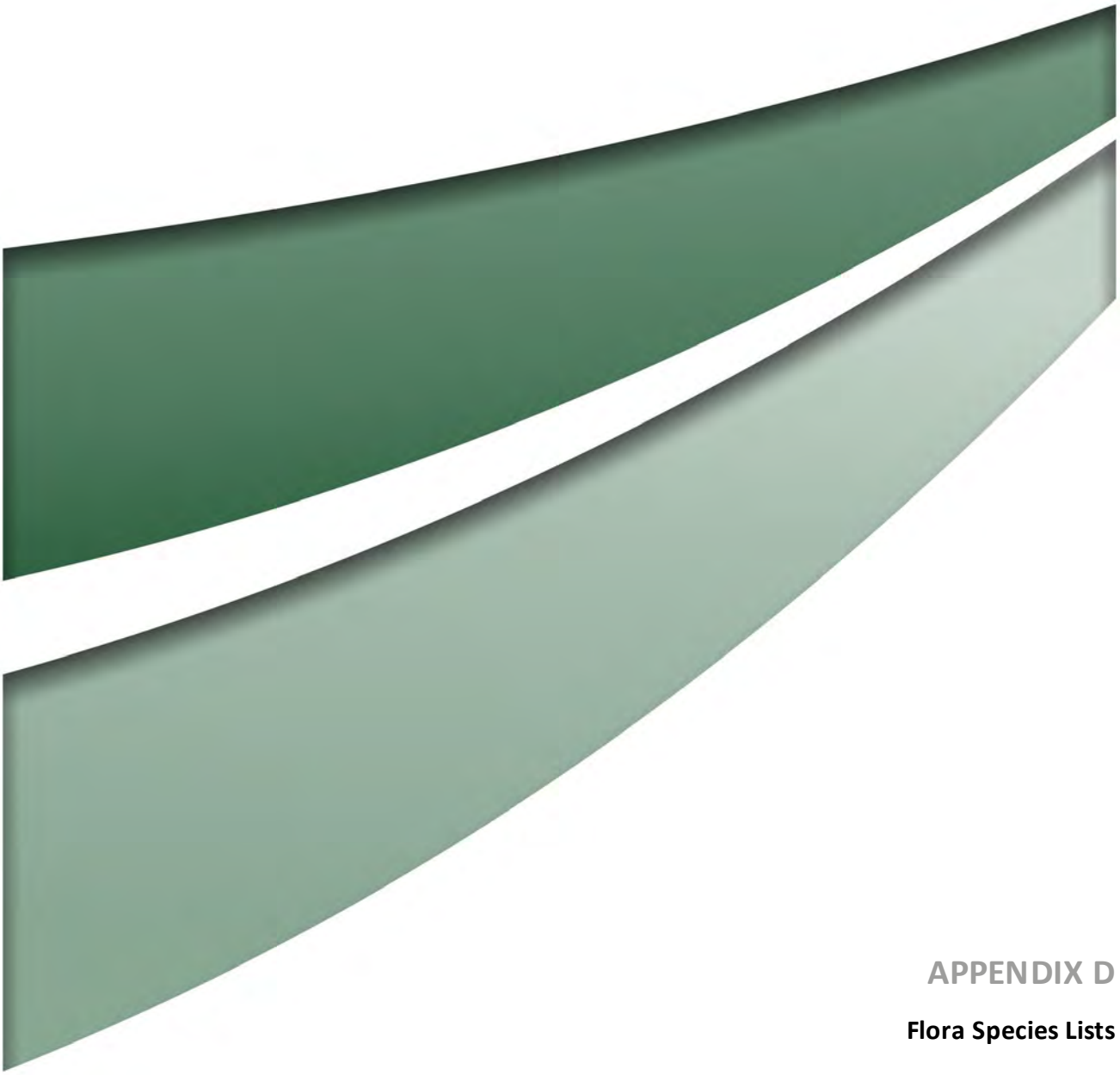
Species	BC Act	EPBC Act	Sensitivity to Gain	Calculator	Habitat Constraint	Geographic Limitations	Survey Period	SAII Entity	Survey Method / Deselection and Justification
Ninox strenua Powerful Owl (Breeding)	V	-	High	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin – Kerrabee	Hollow bearing trees; living or dead with hollow greater than 20 cm diameter	-	May–Aug	-	**Species present, but breeding habitat not present.** There are 17 known records within 10 km of the RTS Development Corridor (DPIE 2021). Including in Coolah Tops National Park and in proximity to the transmission line of the RTS Development Corridor (DPIE 2021). Targeted call playback and spotlighting surveys were undertaken in suitable habitat in Oct 2012, Oct 2013, Mar 2015, May 2020 and May 2021. Habitat assessments were conducted during all surveys on the Project. Being Oct 2012[1], Oct 2013[1], Mar 2015[1], Oct 2016[1], Apr 2020, May 2020, Jun 2020, Aug 2020, Oct 2020, Jan 2021, May 2021 and Sep 2021. Umwelt did not record the species despite surveys in 2020 and 2021. NGH Environmental recorded the species at two locations within the transmission line of the RTS Development Corridor[1]. No breeding activity (including potential) was recorded.
Petaurus norfolcensis Squirrel Glider	V	-	High	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin – Kerrabee	-	-	All year	-	**Species present.** There are 16 known records within 10 km of the transmission line of the RTS Development Corridor (DPIE 2021). Remote survey cameras were installed by NGH Environmental during October 2013, the documentation is unclear how many cameras were installed, however 67 surveys (assumed nights) are stated[1]. Remote survey cameras (incl. Bushnell Trophy Cam HD, Reconyx and Swift Enduro models) were installed by Umwelt at 10 locations in October 2020 and a further 10 locations in May 2021 within the RTS Development Corridor. At each site, a remote camera was mounted on a tree trunk and positioned towards a bait station containing peanut butter, honey and oats. Bait stations were also sprayed heavily with honey water. Cameras were set to take three photos in quick succession when movement was detected. October 2020 were deployed for 50 nights, May 2021 were deployed for 137 nights. Cameras were not re-baited during deployment, however analysis of the survey photos confirms bait remained as an attractant as animal activity was recorded throughout. Despite this, for the purpose of this assessment, only two weeks of survey has been considered in survey nights. While camera deployment totalled 1,870 nights, survey nights totalled 280 nights. **The species was recorded at four locations.**
Petrogale penicillata Brush-tailed Rock-wallaby	E	V	Very High	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin – Kerrabee	Land within 1 km of rocky escarpments, gorges, steep slopes, boulder piles, rock outcrops or cliff lines	-	All year	✓	**Species not present.** There is one known record of the species, 3 km west of the transmission line of the RTS Development Corridor (DPIE 2021). The rocky habitat and steep slopes within the RTS Development Corridor is considered marginal. However more suitable habitat is recognised to occur within 1 km of it. Opportunistic surveys were conducted during all surveys on the Project. Being Oct 2012[1], Oct 2013[1], March 2015[1], Oct 2016[1], Apr 2020, May 2020, Jun 2020, Aug 2020, Oct 2020, Jan 2021, May 2021 and Sep 2021. Species was not recorded despite extensive surveys since 2012.

Species	BC Act	EPBC Act	Sensitivity to Gain	Calculator	Habitat Constraint	Geographic Limitations	Survey Period	SAII Entity	Survey Method / Deselection and Justification
Phascogale tapoatafa Brush-tailed Phascogale	V	-	High	Brigalow Belt South – Liverpool Range Sydney Basin – Kerrabee	-	-	Dec–Jun	-	**Species not present.** There are no known records of the species within 10 km of the RTS Development Corridor (DPIE 2021). Furthermore, there are no known records within the broader region (~approximately 50 km) (DPIE 2021). Remote survey cameras were installed by NGH Environmental during October 2013, the documentation is unclear how many cameras were installed, however 67 surveys (assumed nights) are stated[1]. Remote survey cameras (incl. Bushnell Trophy Cam HD, Reconyx and Swift Enduro models) were installed by Umwelt at 10 locations in May 2021 within the RTS Development Corridor. At each site, a remote camera was mounted on a tree trunk and positioned towards a bait station containing peanut butter, honey and oats. Bait stations were also sprayed heavily with honey water. Cameras were set to take three photos in quick succession when movement was detected. May 2021 were deployed for 137 nights. Cameras were not re- baited during deployment, however analysis of the survey photos confirms bait remained as an attractant as animal activity was recorded throughout. Despite this, for the purpose of this assessment, only two weeks of survey per survey program has been considered in survey nights. While camera deployment totalled 1,370 nights, survey nights totalled 140 nights. The species was not recorded despite extensive surveys since 2013.
Phascolarctos cinereus Koala (Breeding)	V	V	High	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin – Kerrabee	Areas identified via survey as important habitat	-	All year	-	**Species not present.** There are nine known records of the species within 10 km of the RTS Development Corridors (DPIE 2021). Including four within the wind farm component of the Project, the remaining occur in proximity to the transmission line of the RTS Development Corridor (DPIE 2021). Spotlighting surveys were undertaken in Oct 2012, Oct 2013, March 2015, May 2020 and May 2021. Additionally, SAT searches were undertaken in May 2020, Jun 2020, Oct 2020, Jan 2021 and May 2021. Habitat assessments and opportunistic surveys were conducted during all surveys on the Project. Being Oct 2012[1], Oct 2013[1], March 2015[1], Oct 2016[1], Apr 2020, May 2020, Jun 2020, Aug 2020, Oct 2020, Jan 2021, May 2021 and Sep 2021. The species was not recorded despite extensive surveys since 2012.
Polytelis swainsonii Superb Parrot (Breeding)	V	V	High	Brigalow Belt South – Piliga	Hollow bearing trees; living or dead E. blakelyi, E. melliodora, E. albens, E. camaldulensis, E. microcarpa, E. polyanthemos, E. mannifera, E. intertexta with hollows greater than 5 cm diameter; greater than 4 m above ground or trees with a DBH of greater than 30 cm	-	Sep–Nov	-	**Species not present.** The species was recorded incidentally during surveys in the township of Coolah. There is just one known record of the species approximately 6 km west of the RTS Development Corridor, north of the township of Coolah (DPIE 2021). Habitat assessments and opportunistic surveys were conducted during all surveys on the Project. Being Oct 2012[1], Oct 2013[1], Oct 2016[1], Oct 2020 and Sep 2021. Additionally, bird surveys were completed in Oct 2012 and Oct 2013. The species was not recorded despite extensive surveys since 2012.
Pomaderris cotoneaster Cotoneaster Pomaderris	E	E	High	Sydney Basin – Kerrabee	-	-	Oct–Nov	-	**Species not present.** There are no known records of the species within 10 km of the Project. The closest known location is south of the external transmission line connection point. This single record is the northern most known extent of the species, with the core population of the species being south of Sydney (DPIE 2023). Threatened species transects, random meanders, BAM Vegetation Integrity Plots, Floristic Plots and opportunistic surveys undertaken within the RTS Development Corridor in Oct 2012[1], Oct 2013[1], March 2015[1], Oct 2016[1] and Oct 2020. The species was not recorded despite extensive surveys since 2012.

Species	BC Act	EPBC Act	Sensitivity to Gain	Calculator	Habitat Constraint	Geographic Limitations	Survey Period	SAII Entity	Survey Method / Deselection and Justification
Pomaderris queenslandica Scant Pomaderris	E	-	High	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin – Kerrabee	-	-	All year	-	**Species not present.** There are five known records of the species, all approximately 5 km south of the transmission line of the RTS Development Corridor (DPIE 2021). Threatened species transects, random meanders, BAM Vegetation Integrity Plots, Floristic Plots and opportunistic surveys undertaken within the RTS Development Corridor in Oct 2012[1], Oct 2013[1], March 2015[1], Oct 2016[1], Apr 2020, May 2020, Jun 2020, Aug 2020, Oct 2020, Jan 2021, May 2021 and Sep 2021. The species was not recorded despite extensive surveys since 2012.
Prasophyllum petilum	E	E	High	Sydney Basin – Kerrabee	-	-	Sep–Dec	-	**No further survey required**. There are two records of *Prasophyllum petillum* within 10 km of the transmission lie of the RTS Development Corridor, however the precise location of these is withheld (DPIE 2021). Threatened species transects, random meanders, BAM Vegetation Integrity Plots, Floristic Plots and opportunistic surveys undertaken within the RTS Development Corridor in Oct 2012[1], Oct 2013[1], Oct 2016[1], Oct 2020 and Sep 2021. Neither *Prasophyllum sp. Wybong* or *Prasophyllum petillum* were recorded despite extensive survey since 2012.
Prasophyllum sp. Wybong	-	CE	Moderate	Brigalow Belt South – Piliga Sydney Basin – Kerrabee	-	-	Sep–Oct	✓	**No further survey required**. There are no known records of the species within 10 km of the RTS Development Corridor (DPIE 2021). Furthermore, there are no known records within the broader region (~approximately 50 km) (DPIE 2021). RTSThreatened species transects, random meanders, BAM Vegetation Integrity Plots, Floristic Plots and opportunistic surveys undertaken within the RTS Development Corridor in Oct 2012[1], Oct 2013[1], Oct 2016[1], Oct 2020 and Sep 2021. Neither *Prasophyllum sp. Wybong* or *Prasophyllum petillum* were recorded despite extensive survey since 2012.
Pseudophryne australis Red-crowned Toadlet	V	-	Moderate	Sydney Basin – Kerrabee	-	-	All year	-	**No further survey required.** There are no known records of the species within 10 km of the RTS Development Corridor (DPIE 2021). The nearest known record is some 50 km east of the RTS Development Corridor (DPIE 2021).
Pteropus poliocephalus Grey-headed Flying-fox (Breeding)	V	V	High	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin – Kerrabee	Breeding camps	-	Oct–Dec	-	**Species not present.** There are no known records of the species within 10 km of the RTS Development Corridor (DPIE 2021). The nearest known record is some 24 km south of the RTS Development Corridor (DPIE 2021). Habitat assessments and opportunistic surveys were conducted during all surveys on the Project. Being Oct 2012[1], Oct 2013[1], Oct 2016[1], Oct 2020. Species not recorded despite extensive surveys since 2012.
Swainsona sericea Silky Swainson-pea	V	-	High	Brigalow Belt South – Piliga Sydney Basin – Kerrabee	-	-	Sep–Nov	-	**Species present. Previously recorded by NGH Environmental[1].** There are no known records of the species within 10 km of the RTS Development Corridor (DPIE 2021). Furthermore, there are no known records within the broader region (~approximately 50 km) (DPIE 2021). Threatened species transects, random meanders, BAM Vegetation Integrity Plots, Floristic Plots and opportunistic surveys undertaken within the RTS Development Corridor in Oct 2012[1], Oct 2013[1], Oct 2016[1], Oct 2020 and Sep 2021. NGH Environmental recorded the species in one locality south of the Golden Highway in or near the transmission line easement. Three records were made in total, one occurs within the RTS Development Corridor, the remaining two do not. The species was not recorded by Umwelt, nor were the previous NGH Environmental records relocated.

Species	BC Act	EPBC Act	Sensitivity to Gain	Calculator	Habitat Constraint	Geographic Limitations	Survey Period	SAII Entity	Survey Method / Deselection and Justification
Thesium australe Austral Toadflax	V	V	Moderate	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga	-	-	Nov–Feb	-	**Species not present.** There are two known records within 6 km of the RTS Development Corridor (DPIE 2021). Threatened species transects, random meanders, BAM Vegetation Integrity Plots, Floristic Plots and opportunistic surveys undertaken within the RTS Development Corridor in Jan 2021. The species was not recorded despite extensive surveys in 2021.
Tylophora linearis	V	V	High	Brigalow Belt South – Piliga Sydney Basin – Kerrabee	-	-	Oct–May	-	**Further survey not required.** There are no known records of the species within 10 km of the RTS Development Corridor (DPIE 2021). The nearest known record is some 26 km west of the RTS Development Corridor (DPIE 2021). Threatened species transects, random meanders, BAM Vegetation Integrity Plots, Floristic Plots and opportunistic surveys undertaken within the RTS Development Corridor in Oct 2012[1], Oct 2013[1], March 2015[1], Oct 2016[1], Apr 2020, May 2020, Oct 2020, Jan 2021 and May 2021. The species was not recorded despite extensive surveys since 2012.
Tyto novaehollandiae Masked Owl (Breeding)	V	-	High	Brigalow Belt South – Liverpool Range Brigalow Belt South – Piliga Sydney Basin – Kerrabee	Hollow bearing trees; Living or dead trees with hollows greater than 20 cm diameter	-	May–Aug	-	**Species not present.** There are three known records of the species within 10 km of the RTS Development Corridor (DPIE 2021). Including two in the Coolah Tops National Park and one south of the transmission line of the RTS Development Corridor (DPIE 2021). Targeted call playback and spotlighting surveys were undertaken in suitable habitat in Oct 2012, Oct 2013, Mar 2015, May 2020 and May 2021. Habitat assessments were conducted during all surveys on the Project. Being Oct 2012[1], Oct 2013[1], Mar 2015[1], Oct 2016[1], Apr 2020, May 2020, Jun 2020, Aug 2020, Oct 2020, Jan 2021, May 2021 and Sep 2021. The species was not recorded despite extensive surveys since 2012.
Vespadelus troughtoni Eastern Cave Bat	V	-	Very High	Brigalow Belt South – Liverpool Range Brigalow Belt Sydney Basin – Kerrabee South – Piliga	Caves; Within two kilometres of rocky areas containing caves, overhangs, escarpments, outcrops, crevices or boulder piles, or within two kilometres of old mines, tunnels, old buildings or sheds."	-	Nov–Jan	✓	**Species recorded previously by NGH Environmental[1] and by Umwelt.** There are 14 known records of the species within 10 km of the transmission line of the RTS Development Corridor (DPIE 2021). NGH Environmental survey effort including 15 survey sites for a totalling 21 nights of survey data. This survey effort recorded this species at 7 locations, spanning the north of the Project to Durridgere State Conservation Area. Umwelt survey effort included six anabat units were deployed within the RTS Development Corridor in May 2020, four of which were at/near ground level, while two were deployed on a meteorological mast approximately 20–30 m high. There were a total of 13 nights worth of data. Umwelt survey effort recorded this species to a possible or species group confidence. It was recorded at one location.

[1] *NGH Environmental 2013a, 2013b and 2017.*



APPENDIX D

Flora Species Lists

Flora Species List

The following list was developed from the floristic plot surveys. It includes all species of vascular plants observed during these surveys. It is acknowledged that the list is not comprehensive, as not all species are readily detected at any one time of the year. Many species flower only during restricted periods of the year, and some flower only once in several years. In the absence of flowering material, many of these species cannot be identified, or even detected.

Any species that could not be identified to the lowest taxonomic level are denoted in the following manner:

spp.	specimens that are identified to genus level only.

The following abbreviations or symbols are used in the list:

A	denotes abundance rating according to BAM
C	cover (%) measure according to BAM
EG	Fern
EX	denotes species non-native species
FG	Forb
GF	Growth Form
GG	Grass and Grasslike
HT	denotes High Threat Weed species under the BAM
OG	Other
SG	Shrub
TG	Tree
subsp.	subspecies and
var.	variety.

All vascular plants recorded or collected were identified using keys and nomenclature in Harden (1992, 1993, 2000 and 2002). Where known, changes to nomenclature and classification have been incorporated into the results, as derived from PlantNET (Botanic Gardens Trust 2021), the on-line plant name database maintained by the National Herbarium of New South Wales.

The two tables below present the cover and abundance values for all plant species recorded within the BAM Vegetation Integrity Plots completed for the RTS Project. **Table 1** presents the BAM Vegetation Integrity Plots that were completed by Umwelt in 2020 and 2021 and exhibited for the Mod-1 Project, while **Table 2** presents the data from the additional BAM Vegetation Integrity Plots completed for the RTS Project.

Table 1 BAM Vegetation Integrity Plots Undertaken 2020 and 2021

		P_4859a_001		P_4859a_002		P_4859a_003		P_4859a_004		P_4859a_005		P_4859a_006		P_4859a_007		P_4859a_008		P_4859a_009		P_4859a_010		P_4859a_011		P_4859a_012		P_4859a_013		P_4859a_014	
Species Name	**GF**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**
Acacia buxifolia	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acacia conferta	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acacia crassa subsp. *crassa*	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acacia decora	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acacia doratoxylon	TG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acacia implexa	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acacia leucoclada	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acacia leucolobia	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acacia linearifolia	TG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acacia longifolia	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acacia paradoxa	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acacia penninervis	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acacia spectabilis	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acacia spp.	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acacia stenophylla	TG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acaena agnipila	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acaena echinata	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acaena novae-zelandiae	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acaena spp.	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Acetosella vulgaris	HT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Adiantum aethiopicum	EG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agrostis venusta	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aira cupaniana	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ajuga australis	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	5
Allocasuarina gymnanthera	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Allocasuarina littoralis	TG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Allocasuarina nana	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Alternanthera pungens	HT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amaranthus hybridus	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amaranthus spp.	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ammi majus	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amyema miquelii	OG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Amyema spp.	OG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anagallis arvensis	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Angophora floribunda	TG	0	0	0	0	0	0	0	0	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Anthosachne scabra	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arctotheca calendula	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Argemone ochroleuca	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aristida personata	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aristida platychaeta	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

		P_4859a_001		P_4859a_002		P_4859a_003		P_4859a_004		P_4859a_005		P_4859a_006		P_4859a_007		P_4859a_008		P_4859a_009		P_4859a_010		P_4859a_011		P_4859a_012		P_4859a_013		P_4859a_014	
Species Name	**GF**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**
Aristida ramosa	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aristida spp.	GG	0	0	0	0	0	0	0.1	200	0	0	0	0	0	0	1	200	0	0	0	0	30	1000	0	0	5	100	10	200
Aristida vagans	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arthropodium fimbriatum	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arthropodium milleflorum	FG	0	0	0.1	20	0	0	0	0	0	0	0.1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.7	200	0.2	20
Arthropodium sp. B	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arthropodium spp.	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arundinella nepalensis	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Asperula conferta	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	20	0	0	0	0
Aster subulatus	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Astroloma humifusum	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Atriplex semibaccata	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Austrostipa aristiglumis	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	500	0	0	0	0	0	0	0	0	0	0	0	0
Austrostipa bigeniculata	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Austrostipa densiflora	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Austrostipa ramosissima	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Austrostipa scabra	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Austrostipa scabra subsp. *scabra*	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	500	0	0	0	0	0	0	0	0	0	0	0	0
Austrostipa spp.	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Austrostipa verticillata	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Avena fatua	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Baeckea brevifolia	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Baeckea diosmifolia	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bidens pilosa	HT	0.1	100	50	1000	5	500	0.1	50	0	0	10	200	0	0	0.1	3	1	250	0	0	0.1	100	0.2	20	0.1	2	0	0
Bidens subalternans	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	1	0	0	0	0	0	0	0	0	0	0
Billardiera scandens	OG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Boerhavia dominii	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bossiaea rhombifolia	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bothriochloa macra	GG	0	0	0.1	1	0	0	0	0	0	0	0	0	5	50	0	0	0	0	0.1	10	0.1	10	0	0	0.1	5	0	0
Brachychiton populneus	TG	0	0	10	2	0.1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	20	0	0
Brachyloma daphnoides	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brachyscome sieberi	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	10
Brassica fruticulosa	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brassica juncea	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brassica napus	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brassica nigra	EX	0	0	0	0	0.1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brassica rapa	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Brassica spp.	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bromus catharticus	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	50	0	0	0	0	0	0	0	0	0	0
Bromus diandrus	HT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Bromus hordeaceus	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

		P_4859a_001		P_4859a_002		P_4859a_003		P_4859a_004		P_4859a_005		P_4859a_006		P_4859a_007		P_4859a_008		P_4859a_009		P_4859a_010		P_4859a_011		P_4859a_012		P_4859a_013		P_4859a_014	
Species Name	**GF**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**
Bursaria spinosa	SG	0	0	0	0	1	1	0	0	2	3	10	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Caladenia spp.	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callistemon sieberi	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callitris endlicheri	TG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Callitris glaucophylla	TG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calochilus robertsonii	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calotis cuneifolia	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calotis lappulacea	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	500	0	0	0	0	0	0	0.1	2	0	0	0	0
Calystegia spp.	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Capsella bursa-pastoris	EX	0	0	0	0	0	0	0	0	0.1	200	0	0	0.1	10	0	0	0	0	0.1	1	0.1	20	0.1	10	0	0	0	0
Carduus pycnocephalus	EX	0.1	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carex appressa	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carex inversa	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carthamus lanatus	HT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Carthamus spp.	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cassinia aculeata	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cassinia arcuata	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cassinia cunninghamii	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cassinia quinquefaria	SG	0	0	0	0	0.1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cassytha glabella	OG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Casuarina cunninghamiana	TG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Centaurea calcitrapa	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Centaurea solstitialis	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Centaurium tenuiflorum	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheilanthes distans	EG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheilanthes sieberi	EG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cheilanthes sieberi subsp. *sieberi*	EG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	2	0	0
Chenopodium album	EX	0	0	0	0	0.1	1	0	0	0	0	0	0	0	0	0.5	20	0.2	10	0	0	0.2	200	0.2	20	0.1	1	0	0
Chenopodium glaucum	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chenopodium pumilio	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chloris truncata	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chloris ventricosa	GG	0	0	0.1	50	0	0	0.1	200	0	0	0	0	5	200	0.2	100	0	0	0.2	50	0	0	0	0	0	0	0	0
Chondrilla juncea	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chrysocephalum apiculatum	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chrysocephalum semipapposum	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cineraria lyratiformis	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cirsium vulgare	EX	0	0	0	0	0.1	1	0	0	0	0	0	0	0	0	0.1	10	0	0	0	0	0.1	10	0.1	3	0	0	0	0
Clematis aristata	OG	0	0	0	0	0.1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	4	0	0
Convolvulus erubescens	OG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conyza bonariensis	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Conyza sumatrensis	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

		P_4859a_001		P_4859a_002		P_4859a_003		P_4859a_004		P_4859a_005		P_4859a_006		P_4859a_007		P_4859a_008		P_4859a_009		P_4859a_010		P_4859a_011		P_4859a_012		P_4859a_013		P_4859a_014	
Species Name	**GF**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**
Cotula australis	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1000	0	0	0	0	0	0
Crassula sieberiana	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cryptandra spp.	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cucumis myriocarpus	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	1	0	0	5	500	0	0	0.2	5	0	0	0	0
Cullen tenax	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyclospermum leptophyllum	EX	0	0	0	0	0	0	0	0	0.1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cymbonotus lawsonianus	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cymbopogon refractus	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cynodon dactylon	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	1000	0	0	0	0	0	0	0	0
Cynoglossum australe	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	1	0	0	0	0	0	0	0	0	0	0
Cyperus aggregatus	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyperus gracilis	GG	0	0	0	0	0.1	20	0.1	100	0	0	0	0	2	50	0	0	0	0	0	0	0.1	50	0	0	7	500	0	0
Cyperus lhotskyanus	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cyperus spp.	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dactylis glomerata	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daucus carota	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daucus glochidiatus	FG	0	0	1	500	2	500	0	0	0.1	20	0.1	100	0	0	0.1	20	0.1	50	0	0	0	0	0.1	10	0.5	500	0	0
Desmodium rhytidophyllum	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Desmodium varians	OG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	20	0.1	5
Dianella caerulea	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dianella longifolia	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dianella revoluta	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dichanthium sericeum	GG	0	0	0	0	0	0	0.1	100	0	0	0	0	0	0	10	1000	0	0	0	0	0	0	0	0	0	0	0	0
Dichelachne micrantha	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	50
Dichelachne spp.	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dichondra repens	FG	0.1	500	0.1	100	0.1	30	0	0	0.5	200	0.1	100	0.2	200	0.1	100	0.2	100	0	0	0.1	10	0.1	50	3	500	0.1	20
Dichopogon fimbriatus	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Digitaria brownii	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Digitaria diffusa	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Digitaria ramularis	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Digitaria sanguinalis	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dillwynia retorta	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Dodonaea viscosa	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Drosera peltata	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Drosera spp.	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Echinochloa crus-galli	EX	0	0	0	0	0.2	100	0.1	200	0	0	0	0	0	0	0	0	0	0	30	1000	0	0	0	0	0	0	0	0
Echinopogon caespitosus	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Echinopogon ovatus	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Echium plantagineum	EX	0.2	1000	0.1	10	0	0	30	700	0	0	0.1	50	0	0	0.1	1	0.2	20	0.1	5	0.1	1	0.2	5	0.1	1	0	0
Ehrharta erecta	HT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Einadia hastata	FG	0.2	500	1	700	0	0	0	0	0.1	20	0	0	0.1	5	0	0	0.1	20	0	0	0.1	15	0	0	0.1	10	0	0

		P_4859a_001		P_4859a_002		P_4859a_003		P_4859a_004		P_4859a_005		P_4859a_006		P_4859a_007		P_4859a_008		P_4859a_009		P_4859a_010		P_4859a_011		P_4859a_012		P_4859a_013		P_4859a_014	
Species Name	**GF**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**
Einadia nutans	FG	1	500	0.1	100	0.1	10	0	0	0.1	15	0.1	100	2	200	0.2	100	0.1	100	0.1	10	0.1	50	0.1	5	0.1	10	0.1	5
Einadia trigonos	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eleusine tristachya	EX	0	0	0	0	0	0	0	0	0	0	0	0	0.1	1	0	0	0	0	0	0	0	0	20	1000	0	0	0	0
Elymus scaber	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Entolasia marginata	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Epaltes australis	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eragrostis brownii	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eragrostis cilianensis	EX	0	0	0	0	0	0	0.1	100	0	0	0	0	25	50	0.1	50	0	0	5	1000	0	0	0	0	0.1	1	0	0
Eragrostis curvula	HT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eragrostis leptostachya	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eriochloa pseudoacrotricha	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Erodium cicutarium	EX	0	0	0	0	0	0	0.1	100	0.1	1	0	0	0	0	0.2	500	0	0	0.5	500	0	0	0.1	50	0	0	0.1	50
Erodium crinitum	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Erodium moschatum	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eucalyptus albens	TG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eucalyptus blakelyi	TG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eucalyptus crebra	TG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eucalyptus dalrympleana	TG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	6
Eucalyptus fibrosa	TG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eucalyptus laevopinea	TG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	4	0	0	20	6	20	4
Eucalyptus macrorhyncha	TG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eucalyptus mannifera	TG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eucalyptus melliodora	TG	30	5	0	0	0	0	0	0	0	0	15	3	0	0	0	0	15	6	0	0	15	6	0	0	0	0	0	0
Eucalyptus microcarpa	TG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eucalyptus moluccana	TG	0	0	20	5	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eucalyptus nortonii	TG	0	0	0	0	35	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	8	1	1	0	0
Eucalyptus nubila	TG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eucalyptus praecox	TG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eucalyptus punctata	TG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eucalyptus rossii	TG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eucalyptus sideroxylon	TG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eucalyptus sparsifolia	TG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euchiton involucratus	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euchiton sphaericus	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euphorbia drummondii	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Eustrephus latifolius	OG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	1	0.2	20
Fimbristylis dichotoma	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Foeniculum vulgare	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gahnia aspera	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Galium aparine	EX	0.1	50	0	0	0.1	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	200	0	0	0	0	0	0
Galium australe	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

		P_4859a_001		P_4859a_002		P_4859a_003		P_4859a_004		P_4859a_005		P_4859a_006		P_4859a_007		P_4859a_008		P_4859a_009		P_4859a_010		P_4859a_011		P_4859a_012		P_4859a_013		P_4859a_014	
Species Name	**GF**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**
Galium ciliare	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Galium leptogonium	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	10	0	0	0	0
Galium spp.	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Geranium homeanum	FG	0	0	0	0	5	1000	0	0	0	0	0	0	0	0	0.1	10	0.5	500	0	0	10	1000	0.5	200	3	500	0	0
Geranium molle subsp. molle	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Geranium retrorsum	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Geranium solanderi	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Geranium spp.	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glossodia major	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycine clandestina	OG	0	0	0.2	500	0.1	10	0.1	50	0	0	0	0	0	0	0.2	200	0	0	0	0	0	0	0.1	20	0	0	0	0
Glycine latifolia	OG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Glycine tabacina	OG	0	0	0.1	200	0.1	20	0	0	0	0	0	0	0	0	0.2	150	0.1	20	0	0	0	0	0	0	0	0	0.2	100
Gomphocarpus fruticosus	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gomphrena celosioides	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gonocarpus teucrioides	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Goodenia bellidifolia	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Goodenia hederacea	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Goodenia hederacea subsp. *hederacaea*	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Goodenia paniculata	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grevillea spp.	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Grevillea triternata	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Haloragis aspera	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Haloragis heterophylla	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hardenbergia violacea	OG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hibbertia acicularis	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hibbertia fasciculata	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hibbertia linearis	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	10
Hibbertia obtusifolia	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hirschfeldia incana	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Holcus lanatus	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hordeum leporinum	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hovea linearis	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hydrocotyle laxiflora	FG	0.1	500	5	1000	1	1000	0	0	0	0	0	0	0	0	0	0	0.1	1	0	0	0	0	5	500	20	1000	1	500
Hydrocotyle tripartita	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hypericum gramineum	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hypericum perforatum	HT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hypochaeris radicata	EX	0	0	0	0	0	0	0	0	0.2	50	0.1	20	0.1	10	0.1	10	0	0	0.2	50	0.2	100	0.2	50	0	0	0.1	5
Isolepis spp.	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Joycea pallida	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juncus spp.	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Juncus usitatus	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

		P_4859a_001		P_4859a_002		P_4859a_003		P_4859a_004		P_4859a_005		P_4859a_006		P_4859a_007		P_4859a_008		P_4859a_009		P_4859a_010		P_4859a_011		P_4859a_012		P_4859a_013		P_4859a_014	
Species Name	**GF**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**
Kunzea capitata	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lachnagrostis filiformis	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lactuca serriola	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lagenophora stipitata	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lambertia formosa	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laxmannia gracilis	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lepidium africanum	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lepidosperma laterale	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	1	0	0
Leptospermum polygalifolium	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leucopogon ericoides	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leucopogon juniperinus	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leucopogon lanceolatus	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leucopogon microphyllus	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leucopogon microphyllus var. *microphyllus*	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leucopogon muticus	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lobelia purpurascens	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lolium perenne	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lomandra filiformis	GG	0	0	0	0	0.2	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	1	0	0	0	0	15	50
Lomandra glauca	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lomandra longifolia	GG	0	0	2	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lomandra multiflora	GG	0	0	5	50	0.1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	0.2	20
Lomandra multiflora subsp. *multiflora*	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lomandra spp.	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lomatia spp.	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lotus spp.	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Macrozamia communis	OG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Macrozamia spp.	OG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malva parviflora	EX	0	0	0	0	0	0	5	200	5	200	0.1	10	2	200	2	500	15	200	0	0	0	0	0	0	0	0	0	0
Marrubium vulgare	EX	5.1	2050	0	0	5	100	0	0	3	200	26	600	2	20	0.1	20	1	100	0.2	5	0.1	1	0.2	10	0	0	0	0
Medicago arabica	EX	0.2	1000	0	0	0.1	50	0.1	200	0.1	50	0.1	50	0	0	0	0	0.1	50	0.2	100	1	100	0.2	100	0	0	0	0
Medicago spp.	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Melia azedarach	TG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Melichrus urceolatus	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Melicytus dentatus	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mentha diemenica	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	150
Mentha satureioides	FG	0	0	0.5	1000	0.1	200	1	500	0.1	200	1	500	0	0	0.1	100	0	0	0	0	0.2	200	0	0	0	0	0	0
Microlaena stipoides	GG	0	0	0.2	1000	0	0	0	0	0.2	100	0	0	5	100	60	2000	0.1	50	0	0	5	1000	0.5	100	0	0	0	0
Microlaena stipoides var. *stipoides*	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Microtis spp.	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Modiola caroliniana	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monotoca elliptica	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

		P_4859a_001		P_4859a_002		P_4859a_003		P_4859a_004		P_4859a_005		P_4859a_006		P_4859a_007		P_4859a_008		P_4859a_009		P_4859a_010		P_4859a_011		P_4859a_012		P_4859a_013		P_4859a_014	
Species Name	**GF**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**
Nassella trichotoma	HT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Neptunia gracilis	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	10	0	0	0	0	0	0	0	0
Notelaea microcarpa	TG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oenothera indecora	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Olearia elliptica	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	50	0	0
Olearia viscosa	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Onopordum acanthium subsp. *acanthium*	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Opercularia diphylla	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Opuntia stricta	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Opuntia stricta var. *stricta*	HT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oxalis exilis	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oxalis perennans	FG	0.1	200	0.1	500	0	0	0.1	500	0.1	100	0.1	200	20	500	0.5	500	0.1	20	0.2	100	0.1	20	0.1	100	0	0	0.1	20
Oxalis pes-caprae	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oxytes brachypoda	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ozothamnus spp.	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pandorea pandorana	OG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Panicum effusum	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Panicum simile	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Panicum spp.	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paronychia brasiliana	EX	0	0	0	0	0	0	0	0	0.1	10	0	0	0	0	0.1	5	0.2	50	0.1	5	0.1	50	0	0	0	0	0	0
Paspalidium distans	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paspalidium gracile	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Paspalum dilatatum	HT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Patersonia sericea	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Patersonia spp.	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pellaea calidirupium	EG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Persoonia curvifolia	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Persoonia linearis	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Petrorhagia nanteuilii	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phalaris aquatica	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phebalium obcordatum	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phyllanthus hirtellus	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Physalis ixocarpa	EX	0	0	0	0	0	0	0.2	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Phytolacca octandra	EX	0	0	0.1	10	5	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pimelea curviflora	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pimelea linifolia subsp. *linifolia*	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pimelea strigosa	SG	0	0	0	0	0.1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	2	0	0
Plantago debilis	FG	0	0	0	0	0	0	0	0	0.1	100	0	0	0	0	0	0	0	0	0	0	0.2	100	0	0	0.1	1	0	0
Plantago lanceolata	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	5	0	0	0	0	0	0
Plantago varia	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	1	0	0	0.1	1	0	0	0	0	0	0
Poa annua	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Species Name	GF	P_4859a_001		P_4859a_002		P_4859a_003		P_4859a_004		P_4859a_005		P_4859a_006		P_4859a_007		P_4859a_008		P_4859a_009		P_4859a_010		P_4859a_011		P_4859a_012		P_4859a_013		P_4859a_014	
		C	A	C	A	C	A	C	A	C	A	C	A	C	A	C	A	C	A	C	A	C	A	C	A	C	A	C	A
Poa labillardierei	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1000
Poa sieberiana	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poa sieberiana var. *sieberiana*	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	500	0	0
Poa spp.	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Podolepis neglecta	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonum arenastrum	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polygonum aviculare	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Polymeria calycina	OG	0	0	0	0	0	0	0.1	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pomax umbellata	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poranthera microphylla	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Portulaca oleracea	FG	0	0	0.1	20	0	0	0.1	20	2	10	0.1	5	0	0	0.2	50	0.1	1	0.2	20	0.1	10	0.1	10	0	0	0	0
Pratia concolor	FG	0	0	0.1	50	0	0	0	0	0	0	0.1	50	0	0	0	0	0	0	0	0	0.2	200	0	0	0.1	5	0	0
Pratia purpurascens	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pteridium esculentum	EG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	10
Pterostylis spp.	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pultenaea daphnoides	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pultenaea rosmarinifolia	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pultenaea spp.	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ranunculus sessiliflorus	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosa rubiginosa	HT	0	0	0	0	0.1	2	0.1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rubus anglocandicans	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rubus fruticosus	HT	0	0	0.1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rumex acetosella	FG	0	0	0	0	0	0	0	0	0	0	0	0	1	200	0	0	0	0	0	0	0	0	0	0	0	0	0.1	10
Rumex brownii	FG	0.2	500	0.1	50	0.2	50	0.2	50	3	200	0.2	150	0	0	0.1	20	0.1	5	0	0	0.1	50	0	0	1	100	0	0
Rumex crispus	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rytidosperma bipartitum	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rytidosperma caespitosum	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rytidosperma carphoides	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rytidosperma monticola	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	5	0	0	0	0	0	0	0	0	0	0	0	0
Rytidosperma penicillatum	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rytidosperma pilosum	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	20	0	0	0	0	0	0	0	0
Rytidosperma racemosum	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rytidosperma racemosum var. *racemosum*	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	100	0	0	7	500	0	0
Rytidosperma setaceum	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rytidosperma spp.	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	10	0	0	0	0	0	0	0	0
Salvia reflexa	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	5	0	0	0	0	0	0	0	0
Salvia verbenaca	EX	0	0	0	0	0	0	0	0	0.1	50	55	1000	0.1	1	0	0	0	0	0	0	0	0	0.2	100	0	0	0	0
Schenkia australis	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Schkuhria pinnata	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Schoenus apogon	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Schoenus ericetorum	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

		P_4859a_001		P_4859a_002		P_4859a_003		P_4859a_004		P_4859a_005		P_4859a_006		P_4859a_007		P_4859a_008		P_4859a_009		P_4859a_010		P_4859a_011		P_4859a_012		P_4859a_013		P_4859a_014	
Species Name	**GF**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**
Scleranthus annuus	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	50
Senecio bathurstianus	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Senecio madagascariensis	HT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Senecio microbasis	FG	0	0	0.1	50	0.1	50	40	500	0	0	0.1	10	0.1	1	0	0	0	0	0	0	0	0	0	0	0.1	1	0.1	5
Senecio quadridentatus	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Senecio spp.	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Setaria parviflora	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sida corrugata	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sida rhombifolia	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sida spinosa	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sida subspicata	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sigesbeckia australiensis	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	150	0	0
Sigesbeckia orientalis	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Silene gallica	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Silybum marianum	EX	60	300	0.1	20	20	500	2	200	15	200	2	100	0	0	0	0	5	100	2	50	1	20	5	100	0.1	1	0	0
Sisymbrium irio	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	50	0	0	0	0	0	0	0	0	0	0
Sisymbrium officinale	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	4	0	0	0.1	50	0	0	0.1	20	0	0
Solanum chenopodioides	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solanum cinereum	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solanum nigrum	EX	0.1	20	0.1	5	0.2	50	0.1	5	0	0	0	0	0	0	0	0	0.1	5	0	0	0.2	20	0	0	0.2	50	0.1	3
Solanum prinophyllum	FG	0	0	0	0	0	0	0	0	0	0	0.1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solanum pseudocapsicum	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solanum seaforthianum	HT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solanum sisymbriifolium	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solanum stelligerum	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Solenogyne bellioides	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	5	0	0	0	0	0	0
Solenogyne dominii	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Soliva sessilis	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sonchus oleraceus	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sonchus spp.	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sorghum leiocladum	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sporobolus creber	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stellaria angustifolia	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stellaria media	EX	0	0	0	0	25	1000	0	0	1	500	0.2	500	0	0	0.1	20	20	2000	0	0	15	1000	15	1000	2	200	1	200
Stenotaphrum secundatum	HT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stuartina muelleri	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Styphelia triflora	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Styphelia tubiflora	SG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Swainsona galegifolia	FG	0	0	0	0	0	0	0	0	0	0	0.1	5	0	0	0.1	5	0	0	0	0	0.1	1	0.2	15	0.5	20	1	100
Swainsona spp.	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tagetes minuta	EX	0.1	50	0.1	20	0	0	0	0	0	0	0	0	0	0	0	0	0.1	20	0	0	0	0	0	0	0	0	0	0

		P_4859a_001		P_4859a_002		P_4859a_003		P_4859a_004		P_4859a_005		P_4859a_006		P_4859a_007		P_4859a_008		P_4859a_009		P_4859a_010		P_4859a_011		P_4859a_012		P_4859a_013		P_4859a_014	
Species Name	**GF**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**	**C**	**A**
Taraxacum officinale	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	20	0	0	0.1	10	0.1	1	0	0
Teucrium betchei	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Thelymitra spp.	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Themeda triandra	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tragus australianus	GG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tribulus terrestris	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tricoryne elatior	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trifolium angustifolium	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trifolium arvense	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trifolium campestre	EX	0.1	200	0	0	0.1	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	10	0	0
Trifolium globosum	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trifolium glomeratum	EX	0	0	0	0	0.1	10	0	0	0.2	70	0	0	0	0	5	1000	0.1	100	0	0	0.1	10	0	0	0	0	0.1	10
Trifolium repens	EX	0.1	500	0.1	500	0.2	200	5	1000	0.2	500	0.1	200	15	1000	5	1000	0.3	250	30	1000	20	2000	10	2000	0.1	20	0.1	50
Trifolium spp.	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Trifolium subterraneum	EX	0	0	0.1	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	20	0	0
Urochloa panicoides	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urtica dioica	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Urtica incisa	FG	5	200	0.1	10	0.1	10	0	0	10	200	0	0	0	0	0	0	0.5	200	3	100	0.1	50	10	200	0	0	0	0
Urtica urens	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	1000	0	0	0	0	0	0	0	0	0	0
Verbascum thapsus	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Verbena bonariensis	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Veronica plebeia	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vicia hirsuta	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vicia sativa	EX	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Viola betonicifolia	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	5	0.1	50
Viola spp.	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vittadinia cuneata	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	3	0	0	0	0	0	0	0	0	0	0	0	0
Vittadinia gracilis	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vittadinia muelleri	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vittadinia pterochaeta	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vittadinia sulcata	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wahlenbergia communis	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wahlenbergia gracilis	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wahlenbergia luteola	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wahlenbergia spp.	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wahlenbergia stricta	FG	0	0	0.1	10	0	0	0	0	0	0	0	0	0	0	0.5	100	0	0	0	0	0.1	10	0.1	10	0	0	0	0
Wahlenbergia stricta subsp. *stricta*	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	500	0	0
Wurmbea biglandulosa	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wurmbea dioica	FG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Xanthium occidentale	EX	0	0	0	0	0	0	0.2	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Xanthium spinosum	HT	5	200	0.1	20	2	100	1	100	0.5	50	0.5	50	0.1	1	0.1	10	0.1	50	2	100	0.1	50	0.5	20	0	0	0	0