

Ripley View Residential Subdivision

Preliminary Documentation Report EPBC Referral 2020/8615

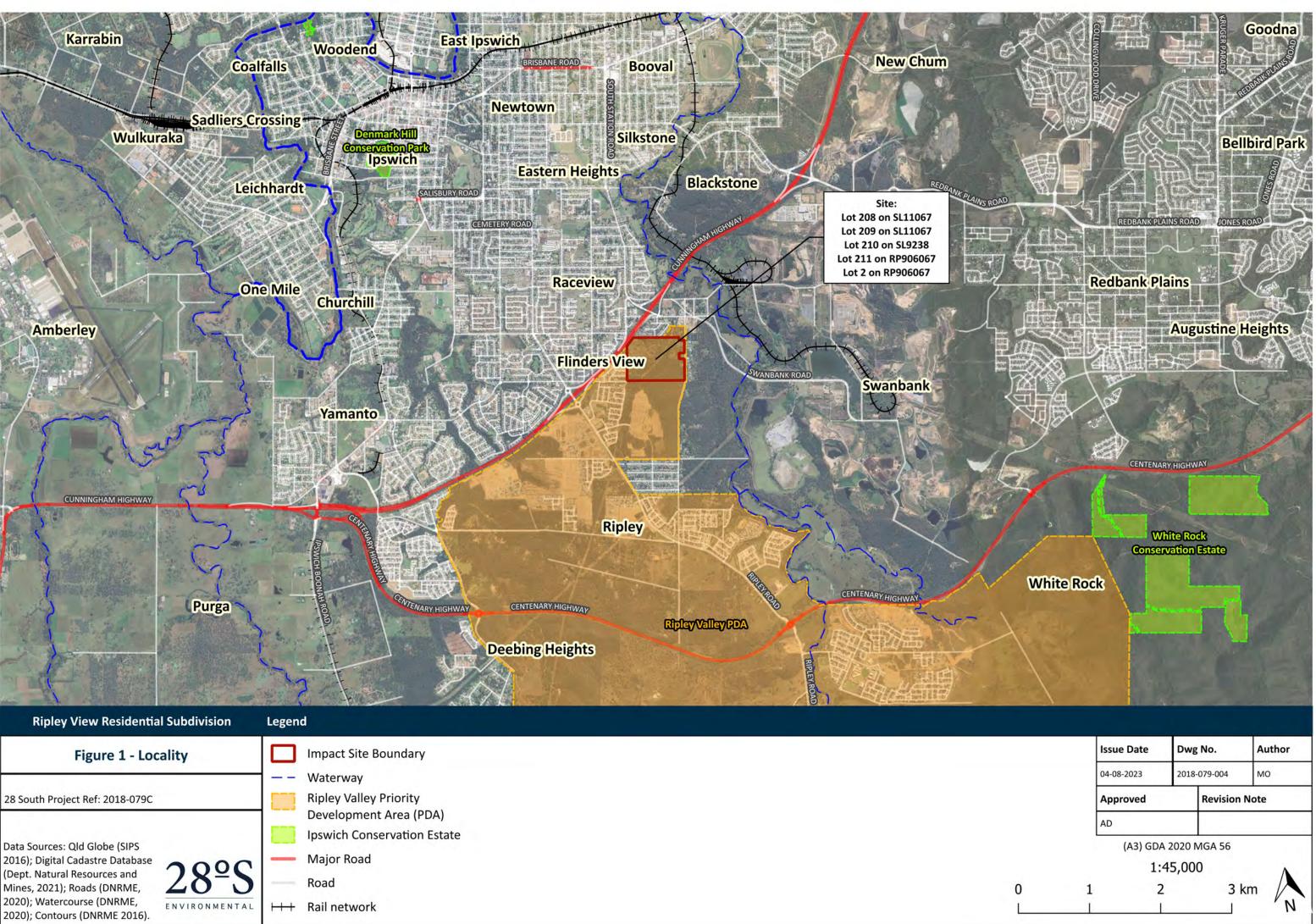
VOLUME 2 - FIGURES

23/02/2024 - version 7.1 Report prepared for Arxhe Ripley View Investment Trust

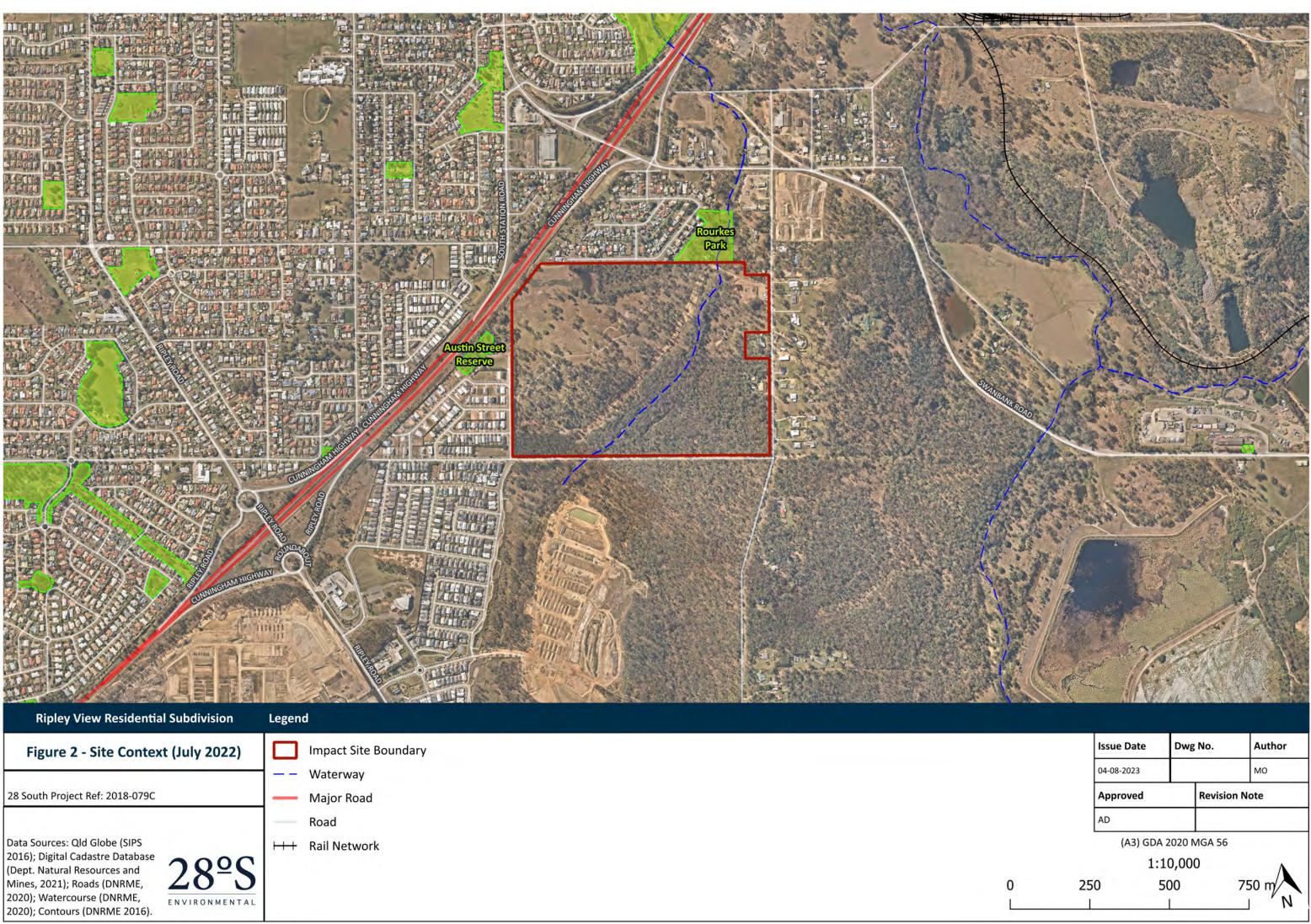
ENVIRONMENTAL PLANNING ° ENVIRONMENTAL MANAGEMENT ° ECOLOGICAL SURVEY & ASSESSMENT THREATENED SPECIES MANAGEMENT ° VEGETATION MANAGEMENT ° BUSHFIRE MANAGEMENT



Figures



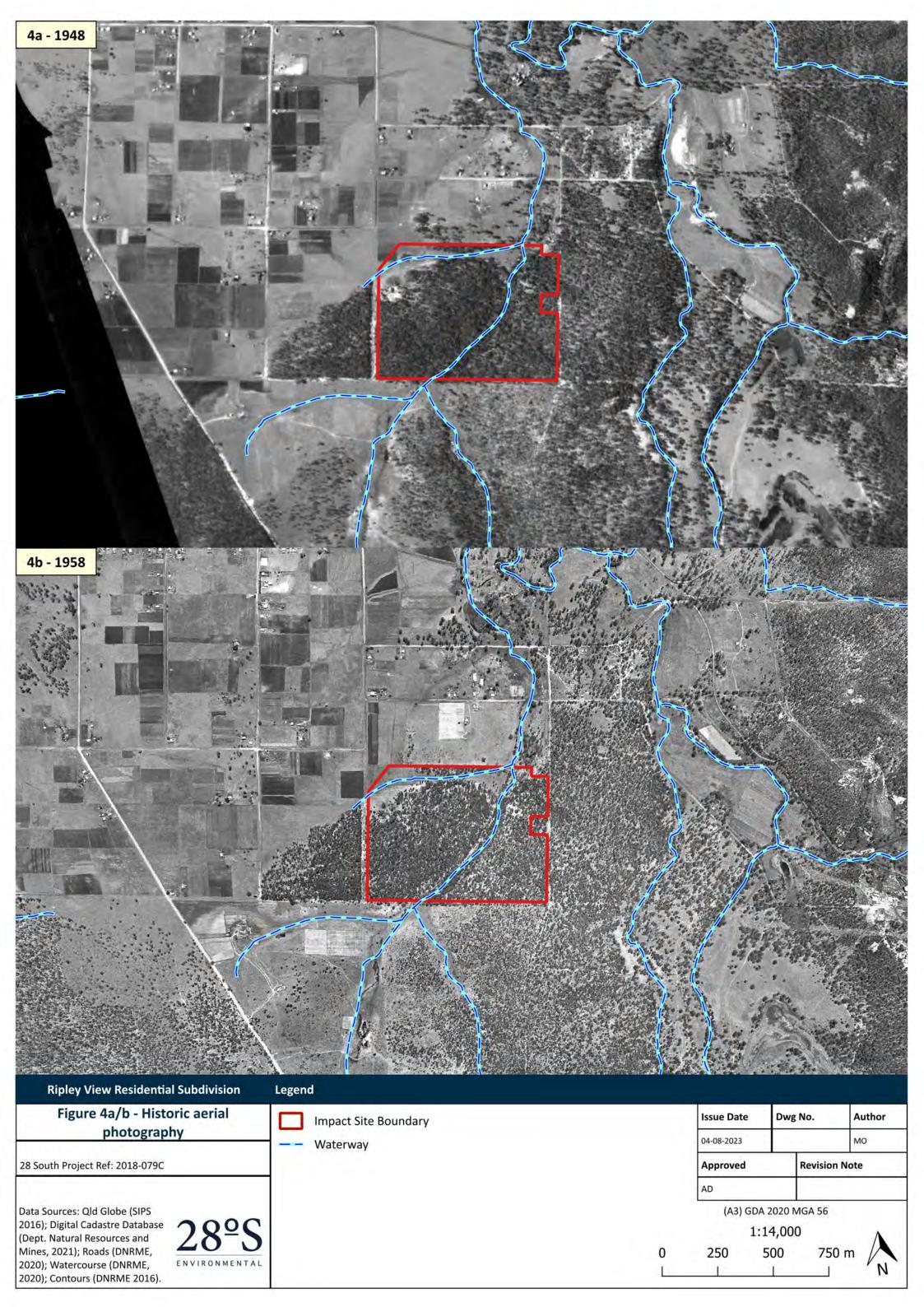
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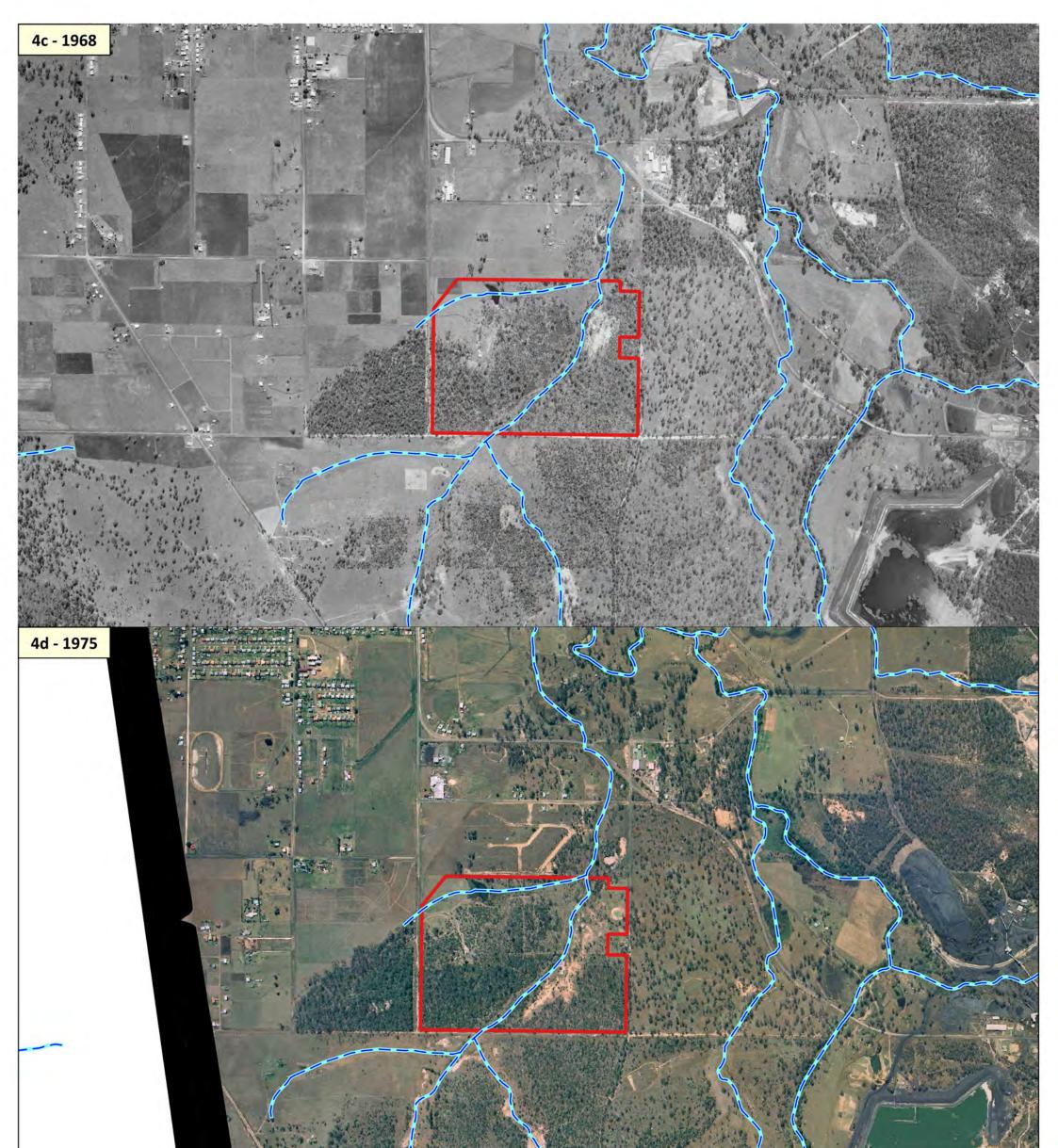


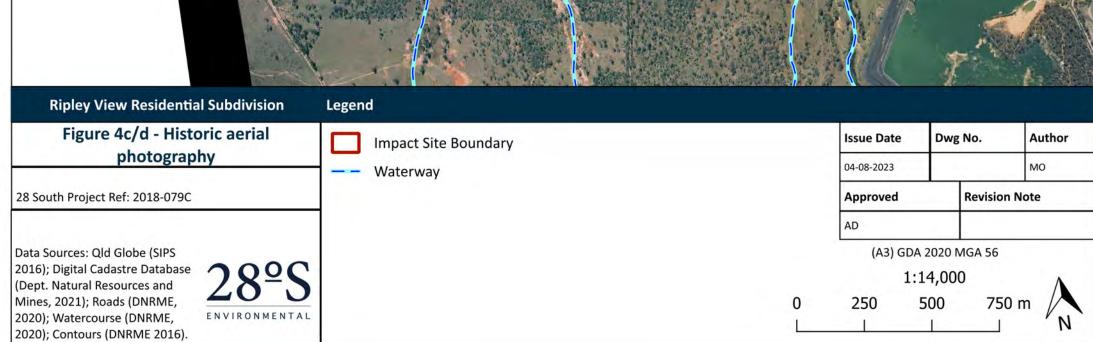
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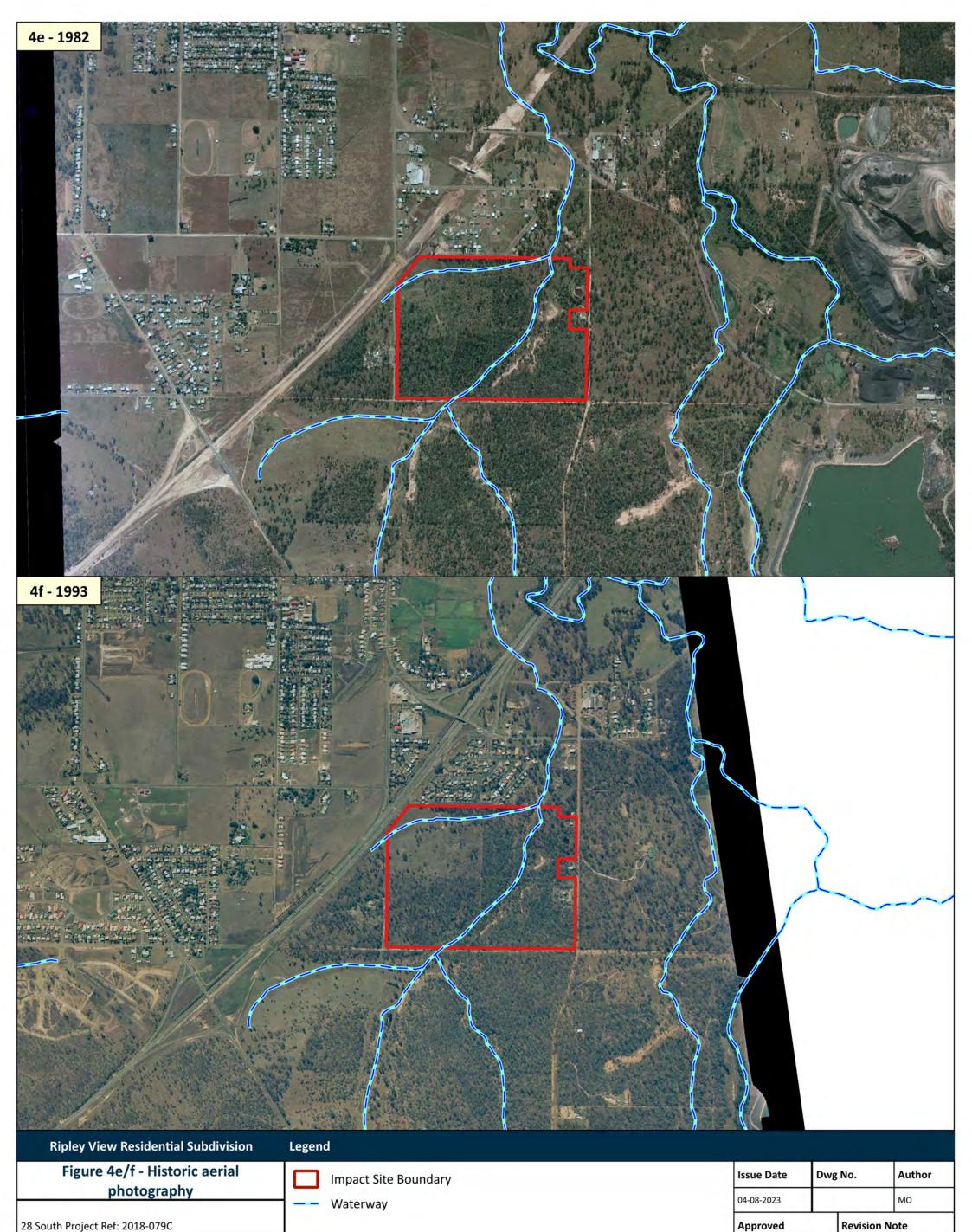


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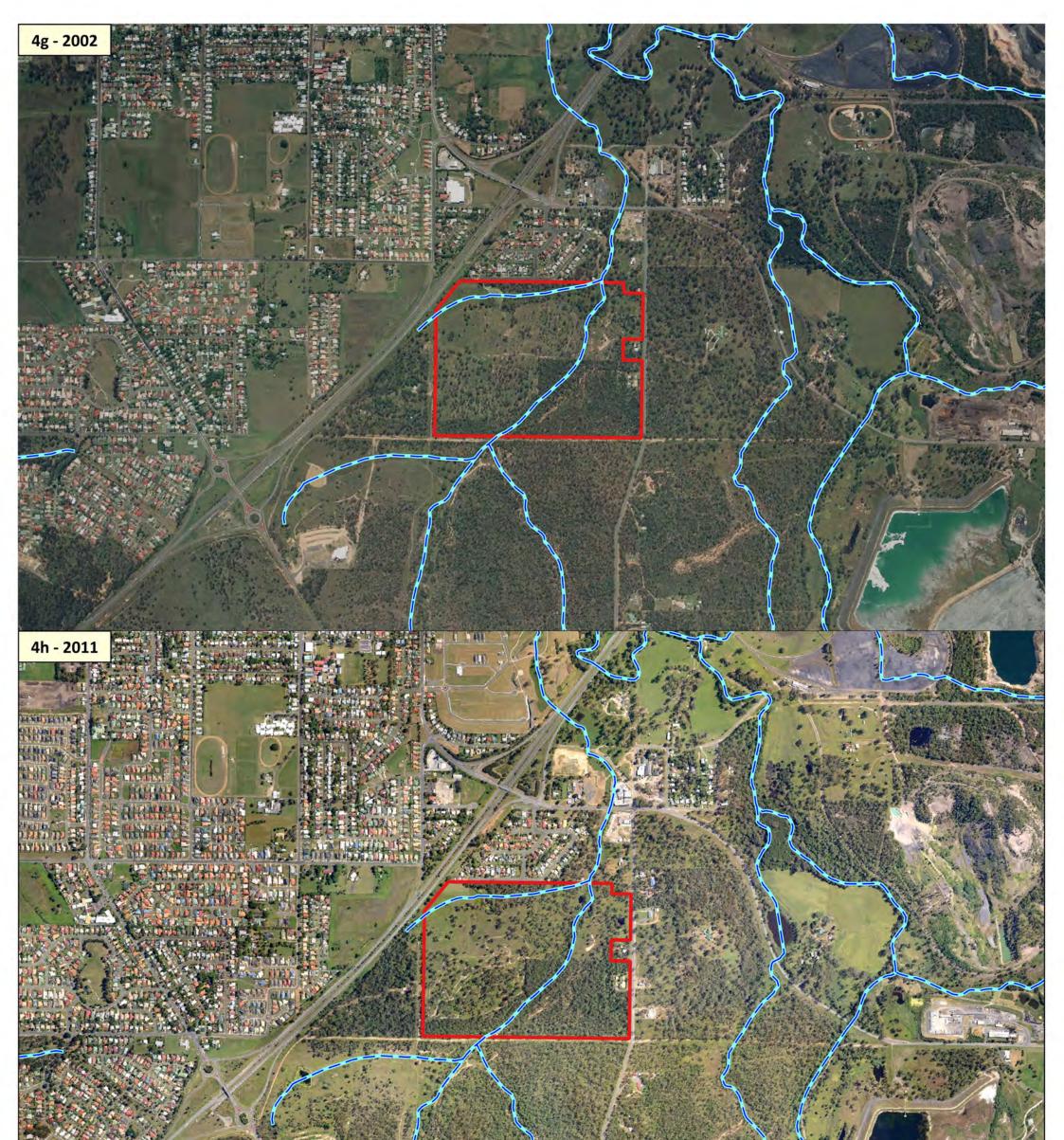
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Data Sources: Qld Globe (SIPS 2016); Digital Cadastre Database (Dept. Natural Resources and Mines, 2021); Roads (DNRME, 2020); Watercourse (DNRME, 2020); Contours (DNRME 2016).



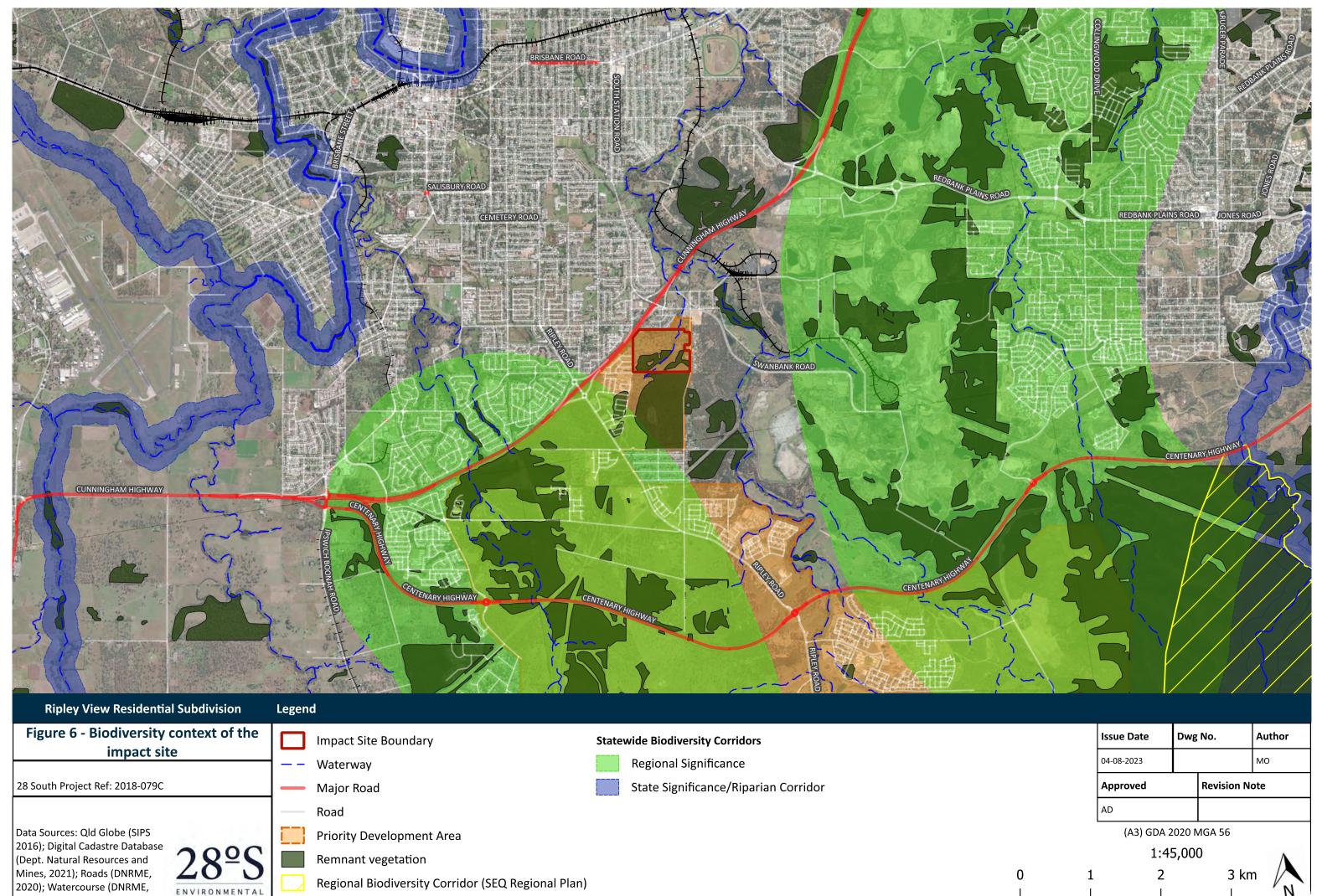




Ripley View Residential Subdivision	Legend				
Figure 4g/h - Historic aerial	Impact Site Boundary		Issue Date	Dwg No.	Author
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2016); Digital Cadastre Database (Dept. Natural Resources and 289			1:	14,000	۸
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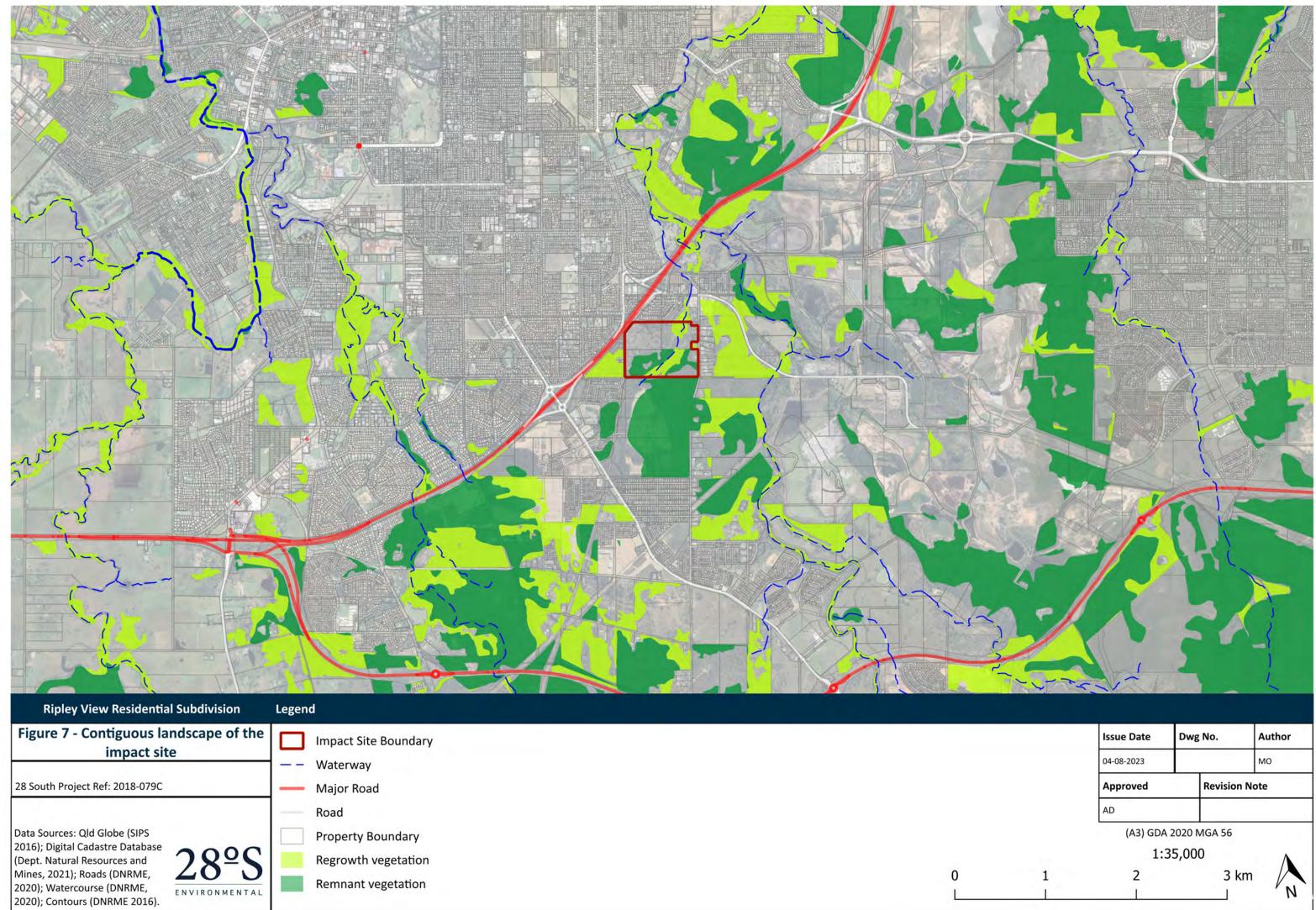


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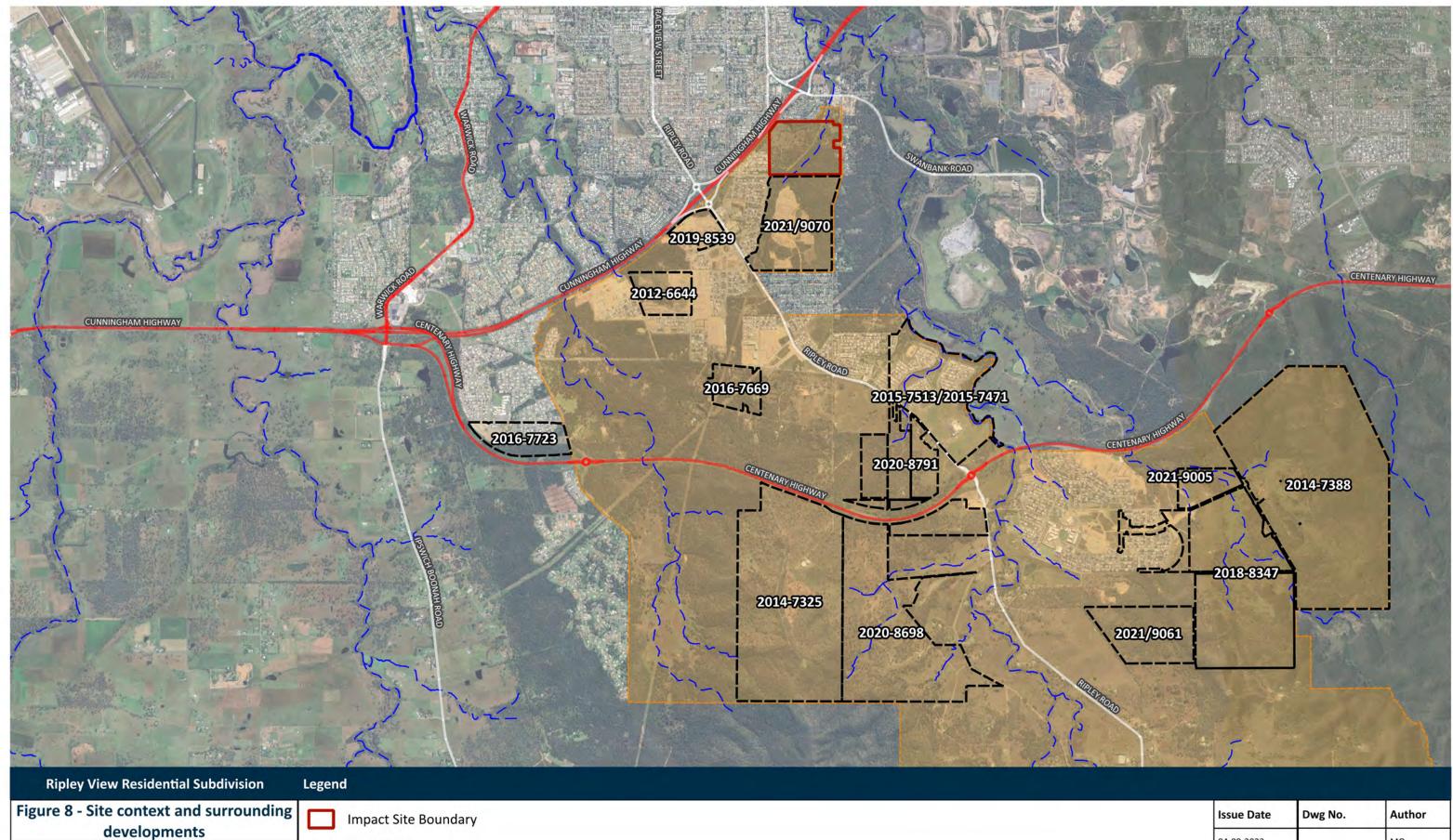


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Data Sources: Qld Globe (SIPS 2016); Digital Cadastre Database (Dept. Natural Resources and Mines, 2021); Roads (DNRME, 2020); Watercourse (DNRME, 2020); Contours (DNRME 2016). 28°S

Waterway

Major Road

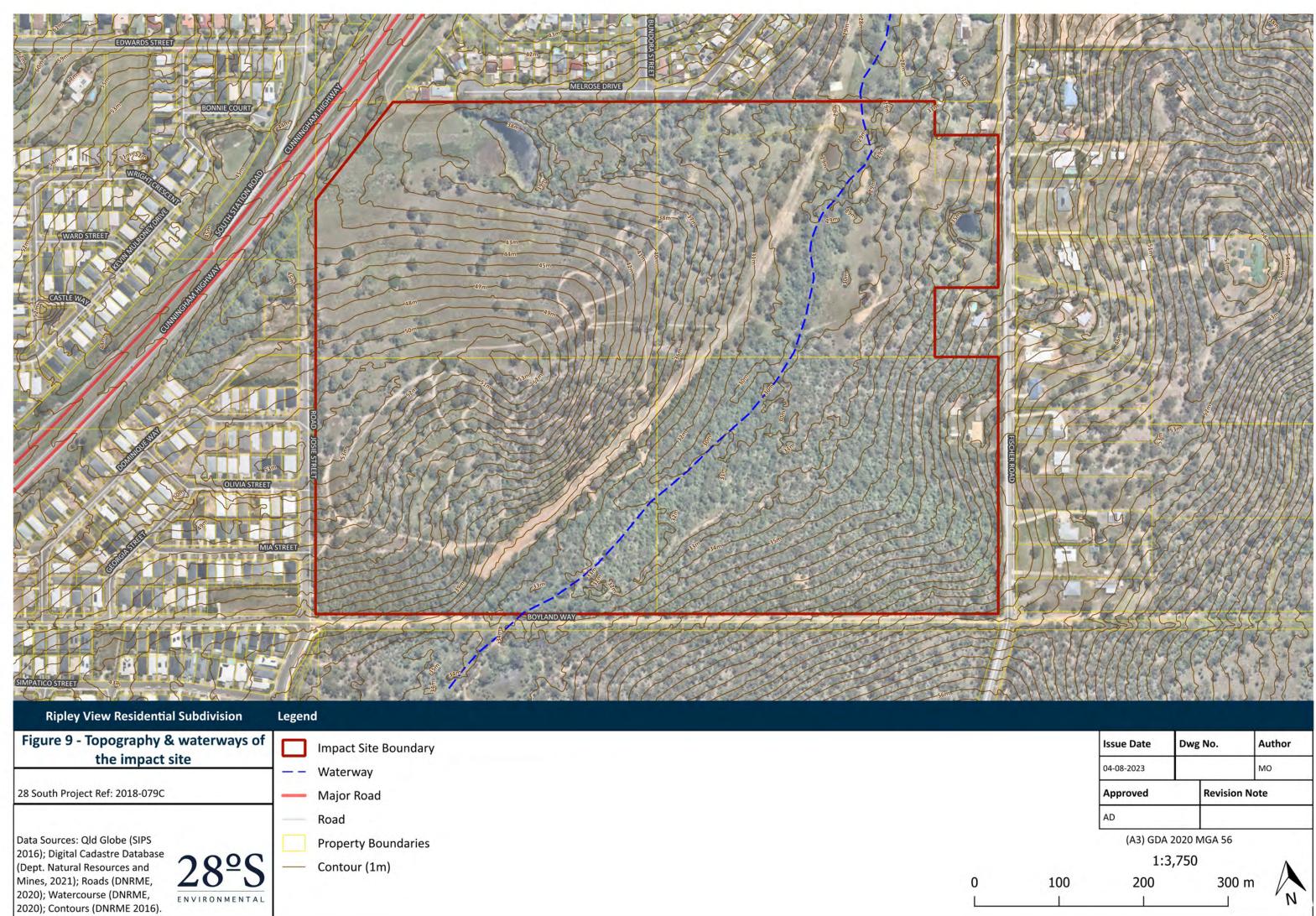
EPBC Referral

Ripley Valley Priority

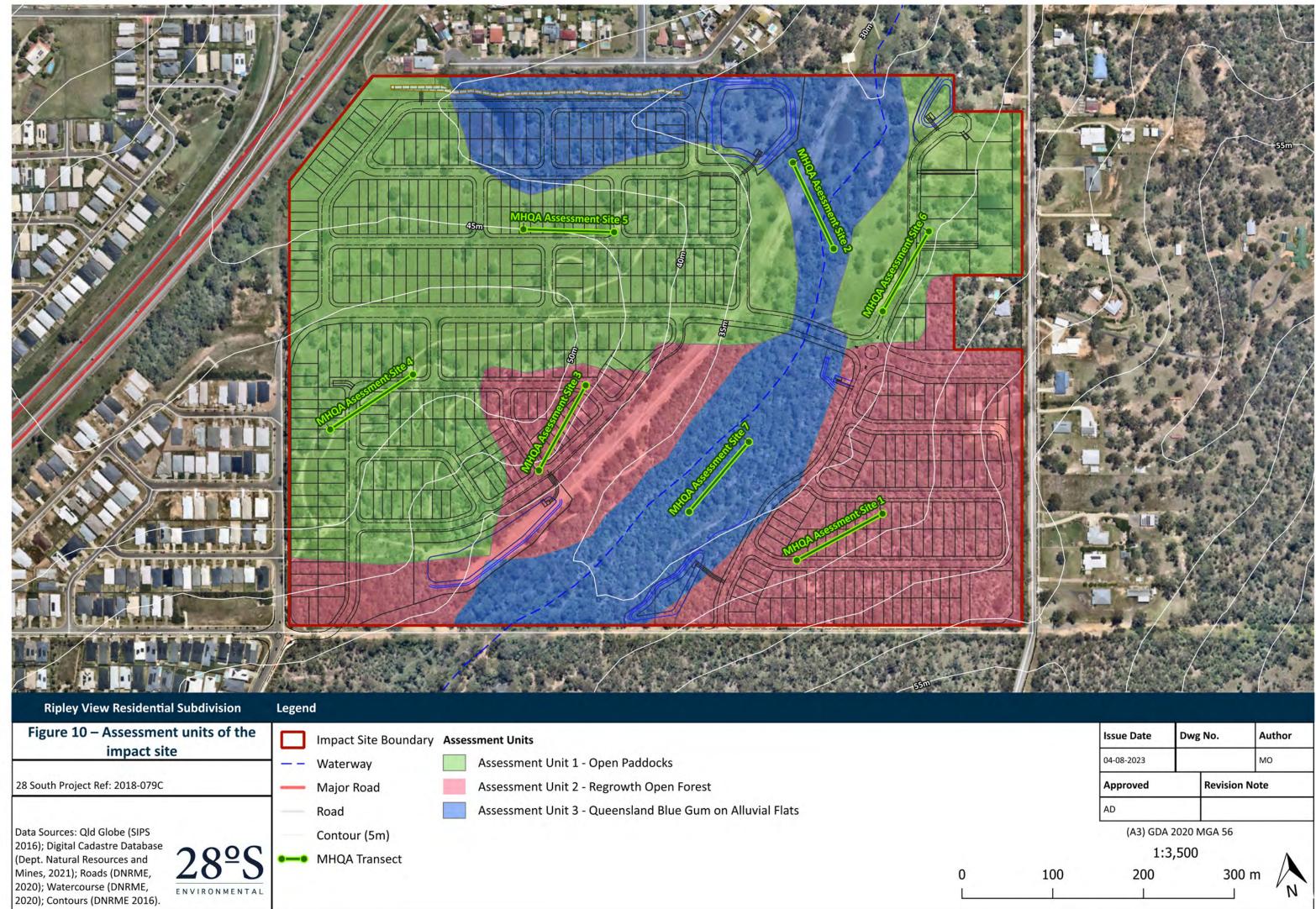
Development Area (PDA)

Road

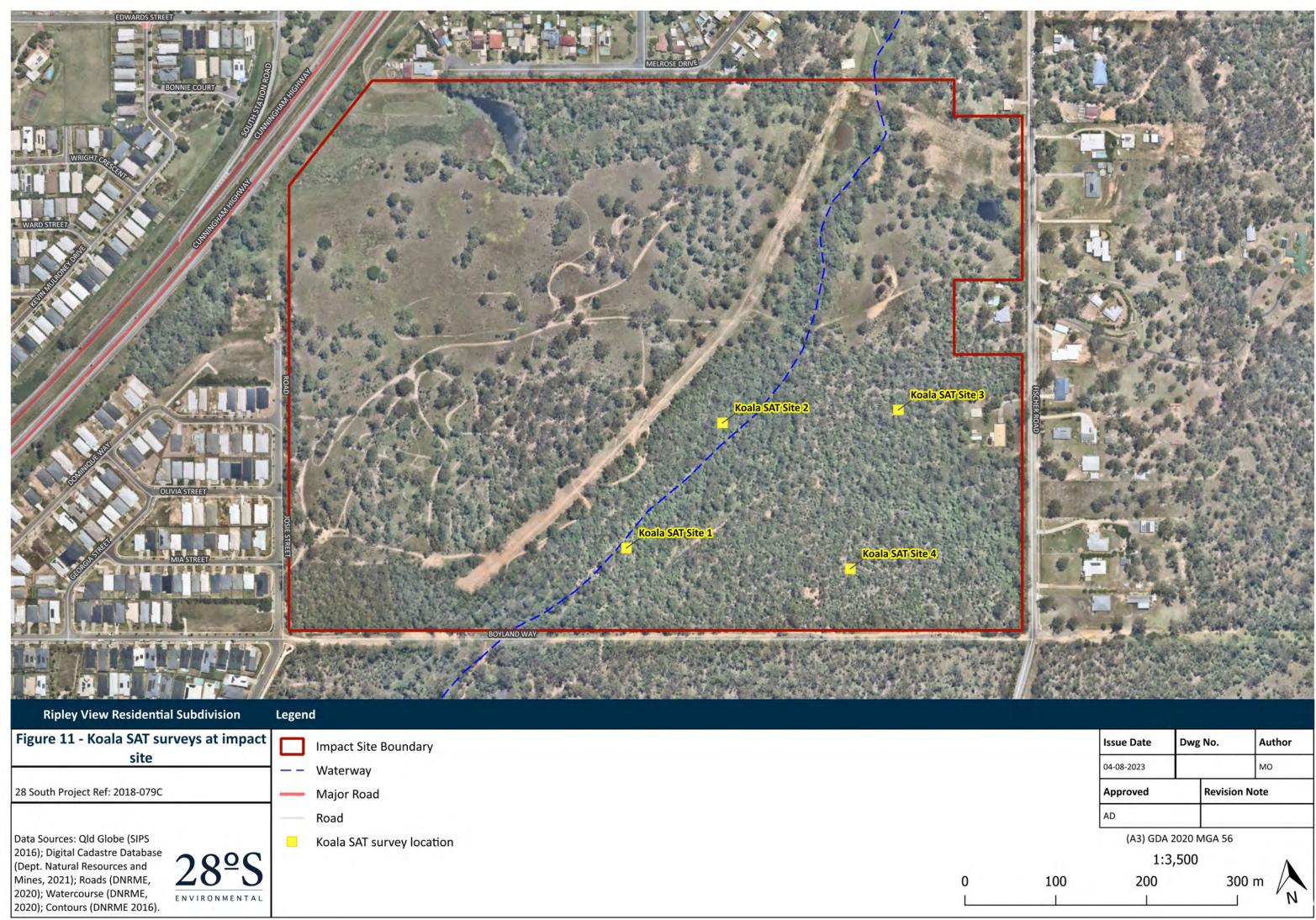
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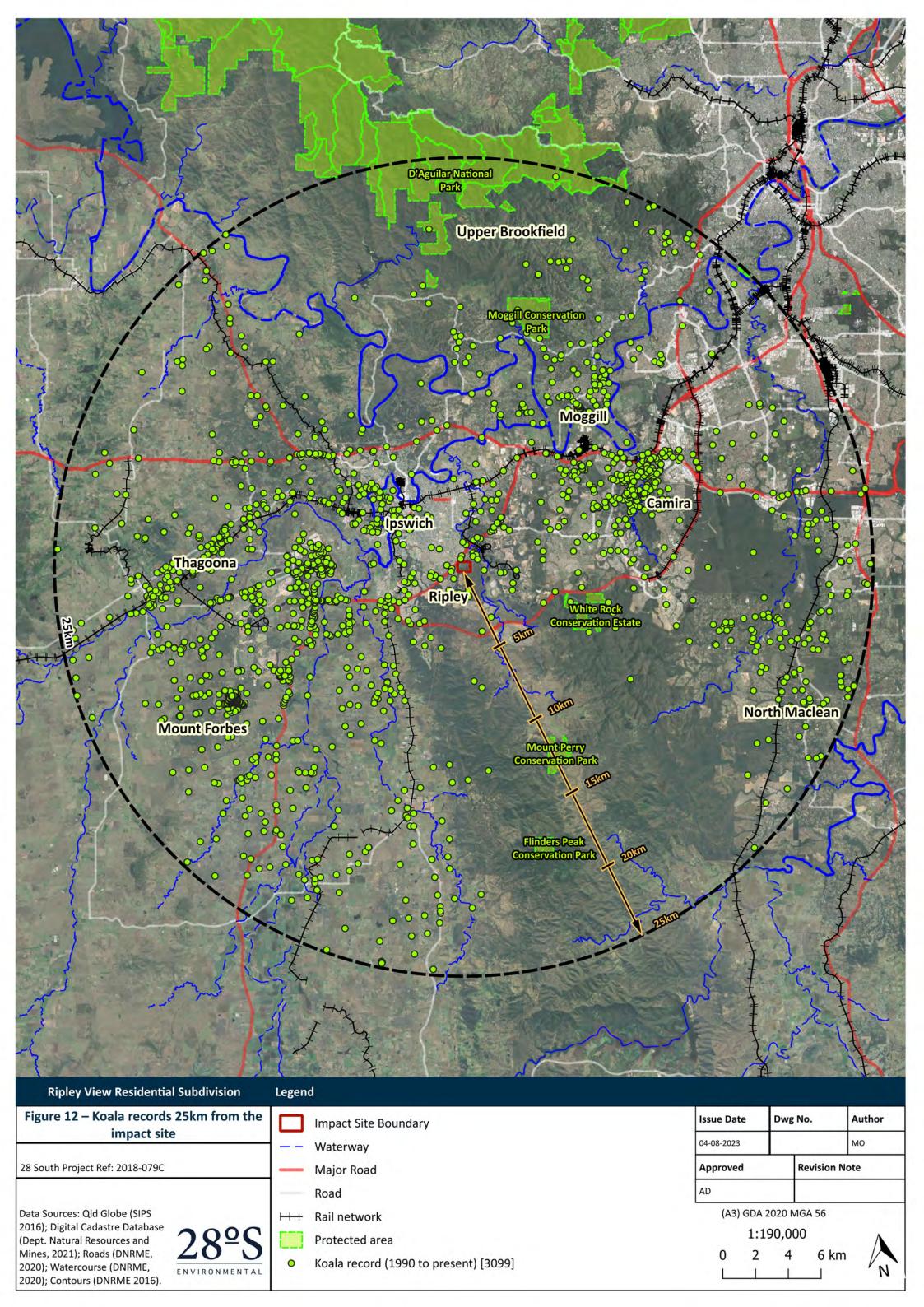
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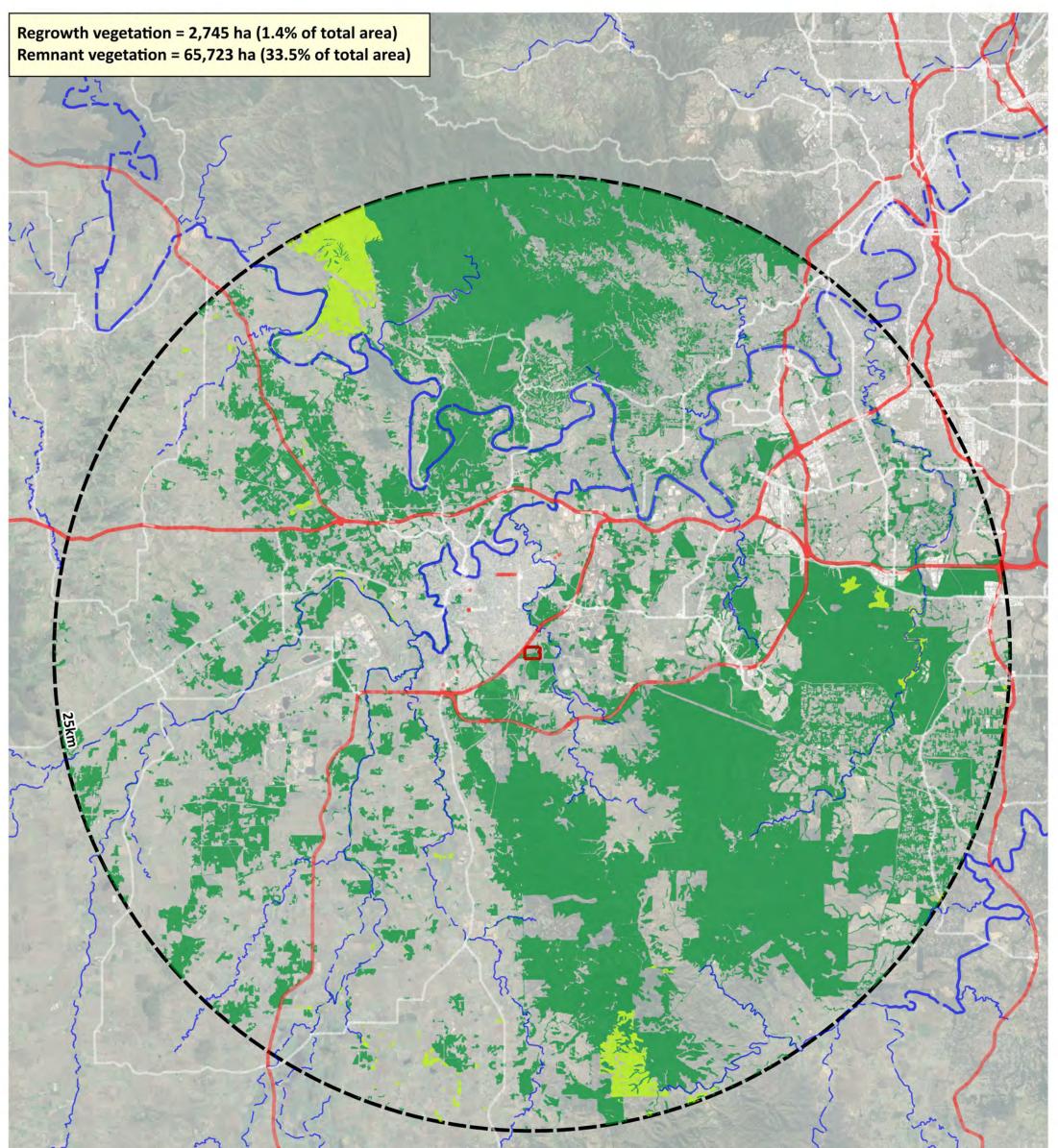


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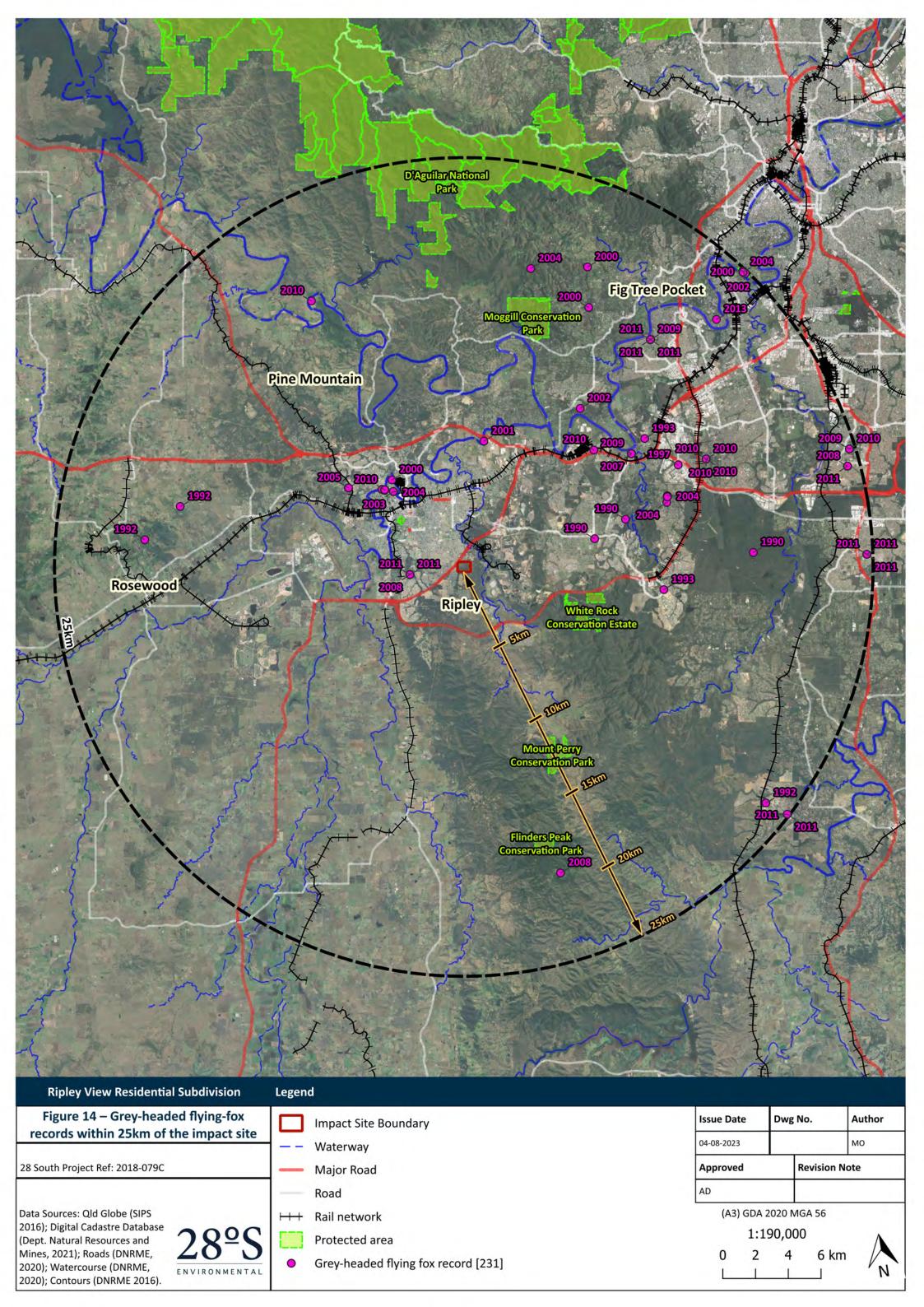


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Ripley View Residential Subdivision	Legend			
Figure 13 – Koala habitat REs within	Impact Site Boundary	Issue Date	Dwg No.	Author
25km of the impact site	— — Waterway	04-08-2023		мо
28 South Project Ref: 2018-079C	Major Road	Approved	Revisio	n Note
	Road	AD		
Data Sources: Qld Globe (SIPS	Regrowth vegetation	(A3) GDA	2020 MGA 56	
2016); Digital Cadastre Database Dept. Natural Resources and	Remnant vegetation	1:1	190,000	Δ
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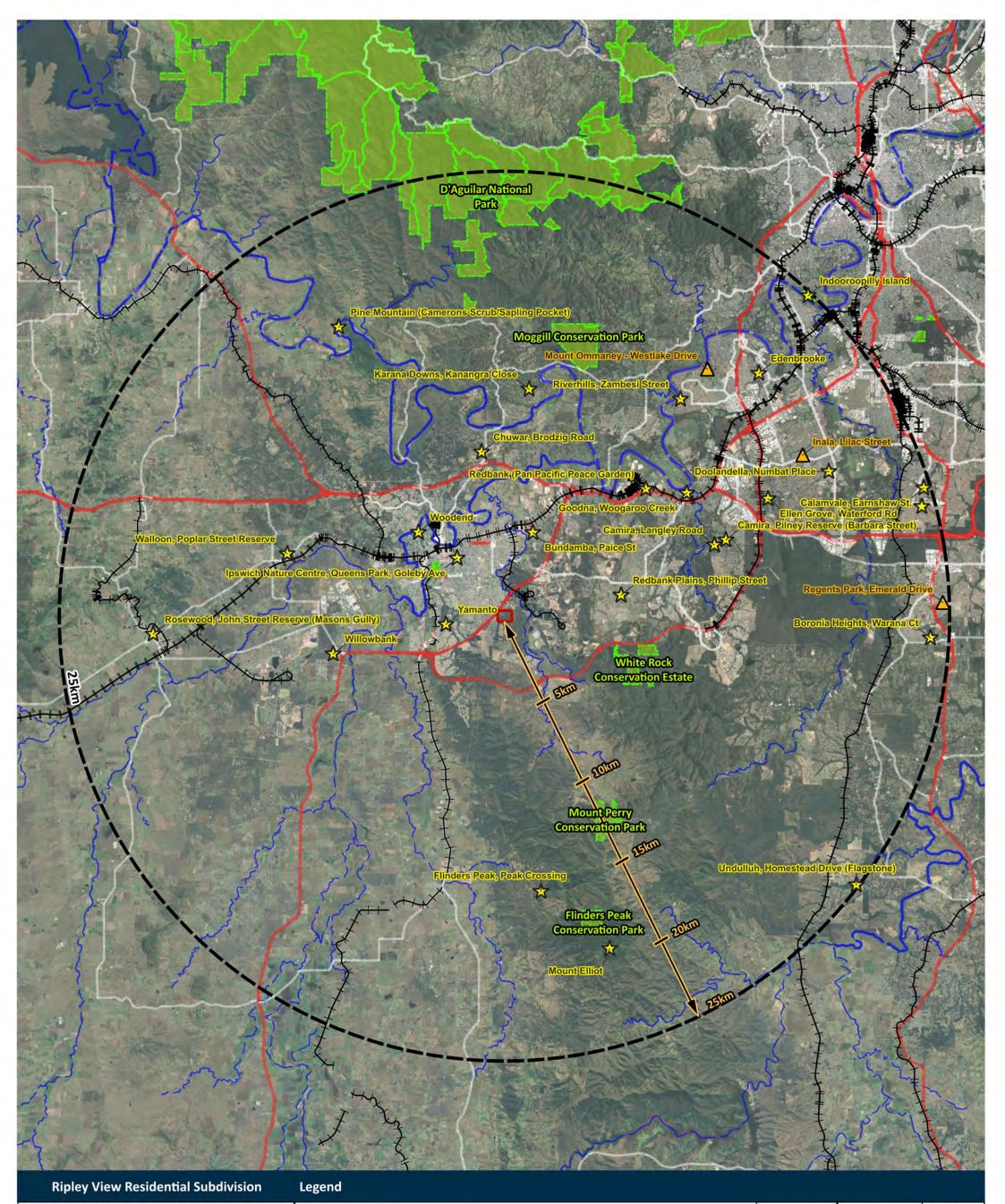


Figure 15 – Grey-headed flying fox camps within 25km of the impact site

28 South Project Ref: 2018-079C

Data Sources: Qld Globe (SIPS 2016); Digital Cadastre Database (Dept. Natural Resources and Mines, 2021); Roads (DNRME, 2020); Watercourse (DNRME, 2020); Contours (DNRME 2016).



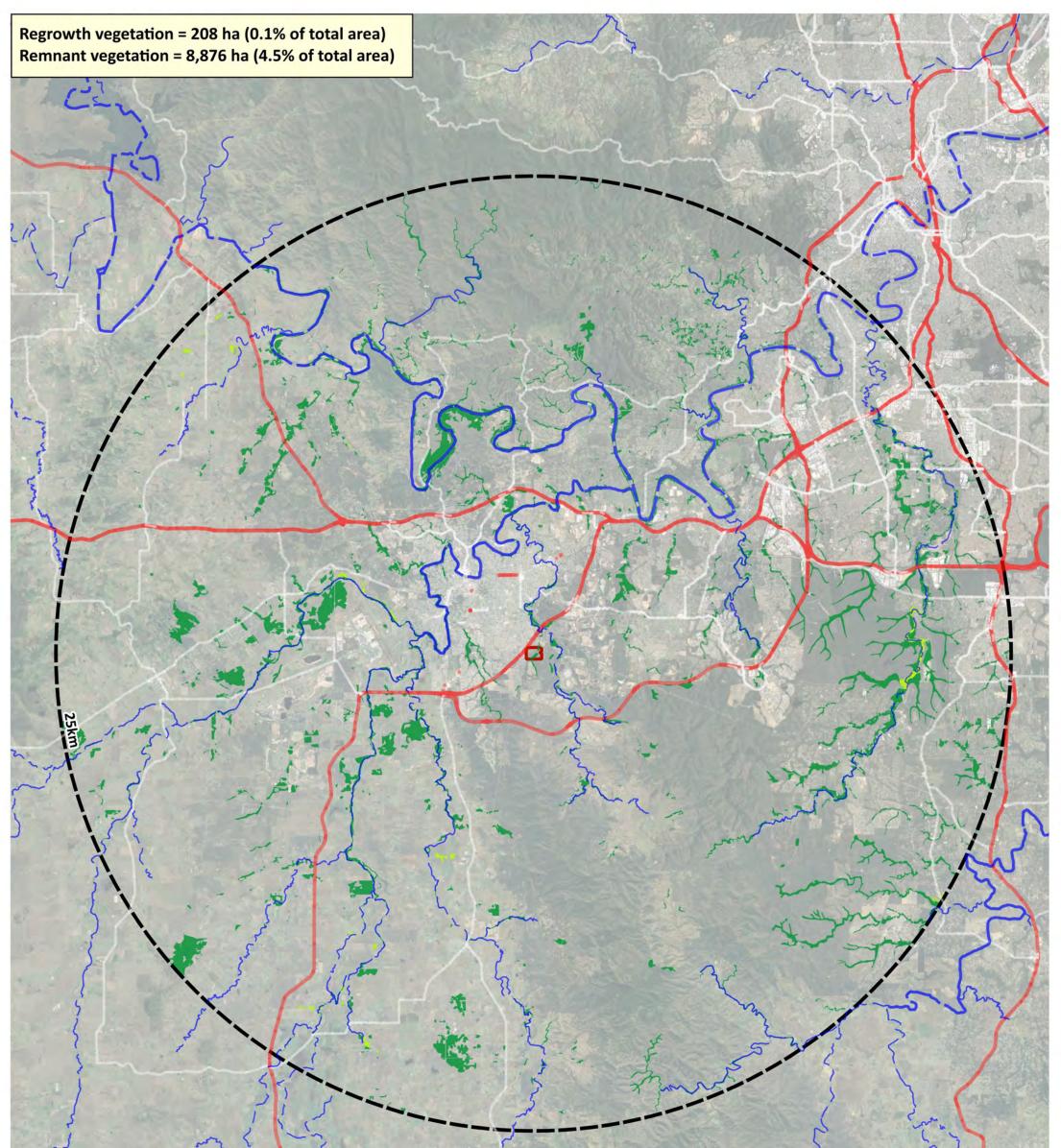
Impact Site Boundary

- - Waterway
 - Major Road
 - Road

- HH Rail network
 - Protected area
 Nationally important grey-headed flying fox camp

Grey-headed flying fox camp

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Figure 16 – Grey-headed flying fox E. tereticornis dominant	Impact Site Boundary	Issue Date	Dwg No.	Author
and co-dominant REs within 25km of the impact site	— — Waterway	04-08-2023		мо
28 South Project Ref: 2018-079C	Major Road	Approved	Revision	Note
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ata Sources: Qld Globe (SIPS	Regrowth vegetation	(A3) GDA	2020 MGA 56	
016); Digital Cadastre Database Dept. Natural Resources and	Remnant vegetation	1:1	90,000	Δ
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Total winter flowering species at impact site = 2,227 Winter flowering species retained = 856 Winter flowering species removed = 1,371 0

Ripley View Residential Subdivision

Figure 18 – Winter flowering grey-headed flying fox forage species at the impact site

28 South Project Ref: 2018-079C

Data Sources: Qld Globe (SIPS 2016); Digital Cadastre Database (Dept. Natural Resources and Mines, 2021); Roads (DNRME, 2020); Watercourse (DNRME, 2020); Contours (DNRME 2016).



Impact Site Boundary

- – Waterway
 - Major Road
 - Road

Legend

Area of vegetation retention •

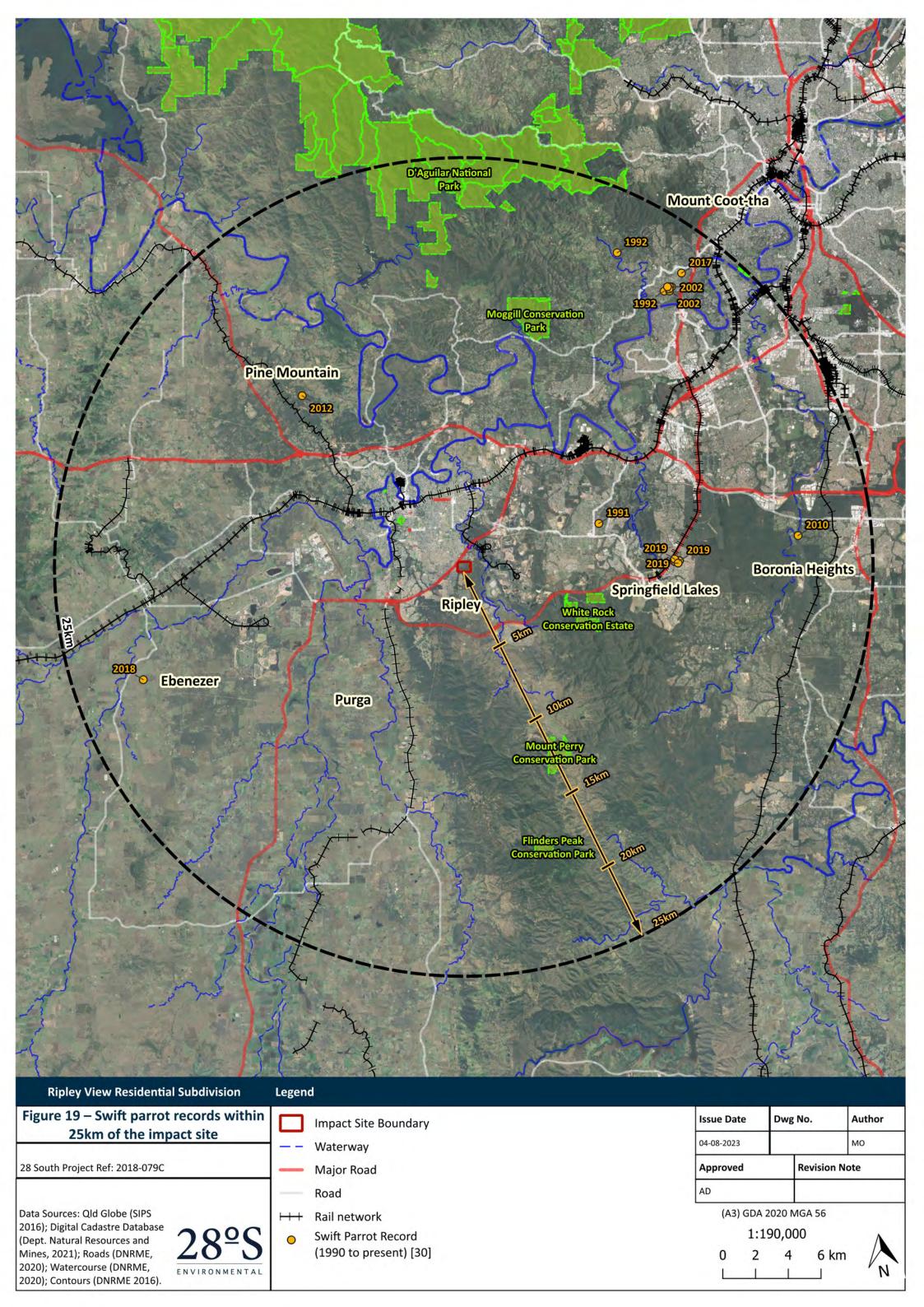
Grey-headed flying fox winter flowering species [2227]

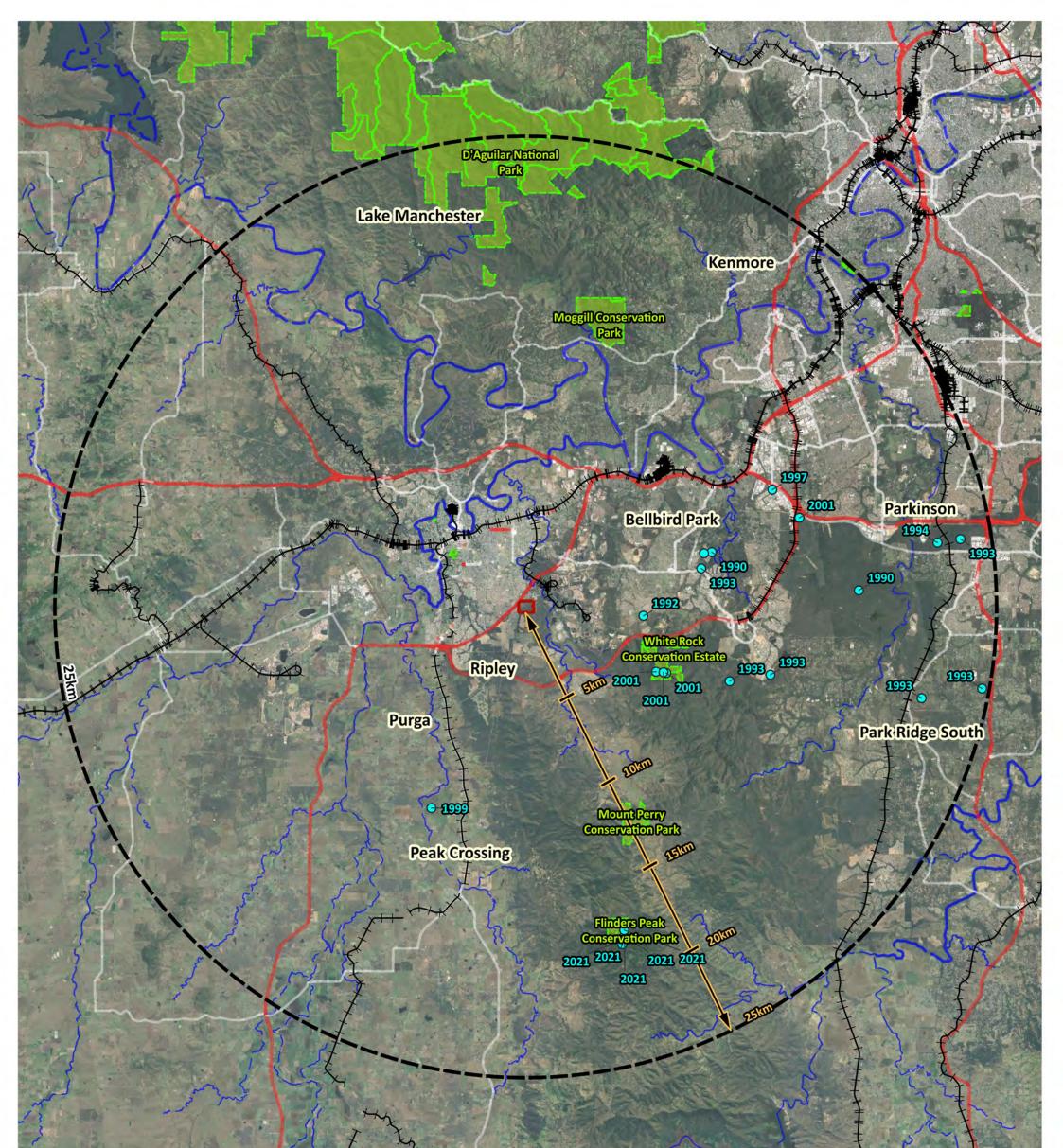
- Corymbia citriodora subsp. variegata [208]
- Corymbia intermedia [413]
- Eucalyptus crebra [45]
- Eucalyptus microcorys [6]
- Eucalyptus tereticornis [1555]

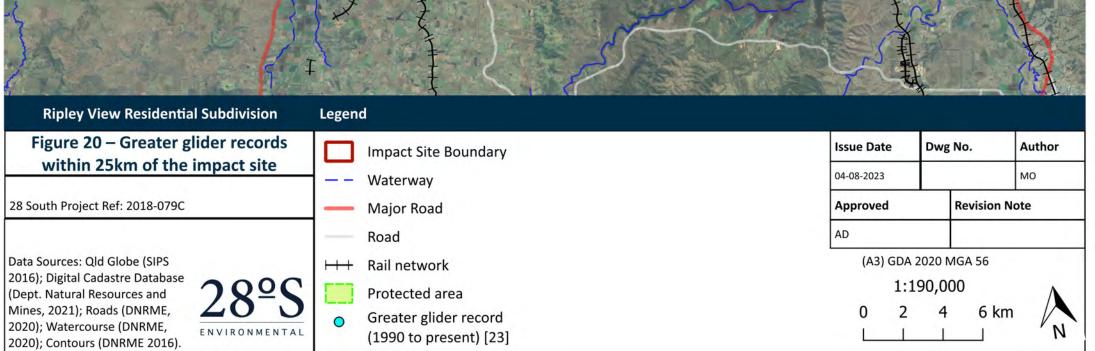
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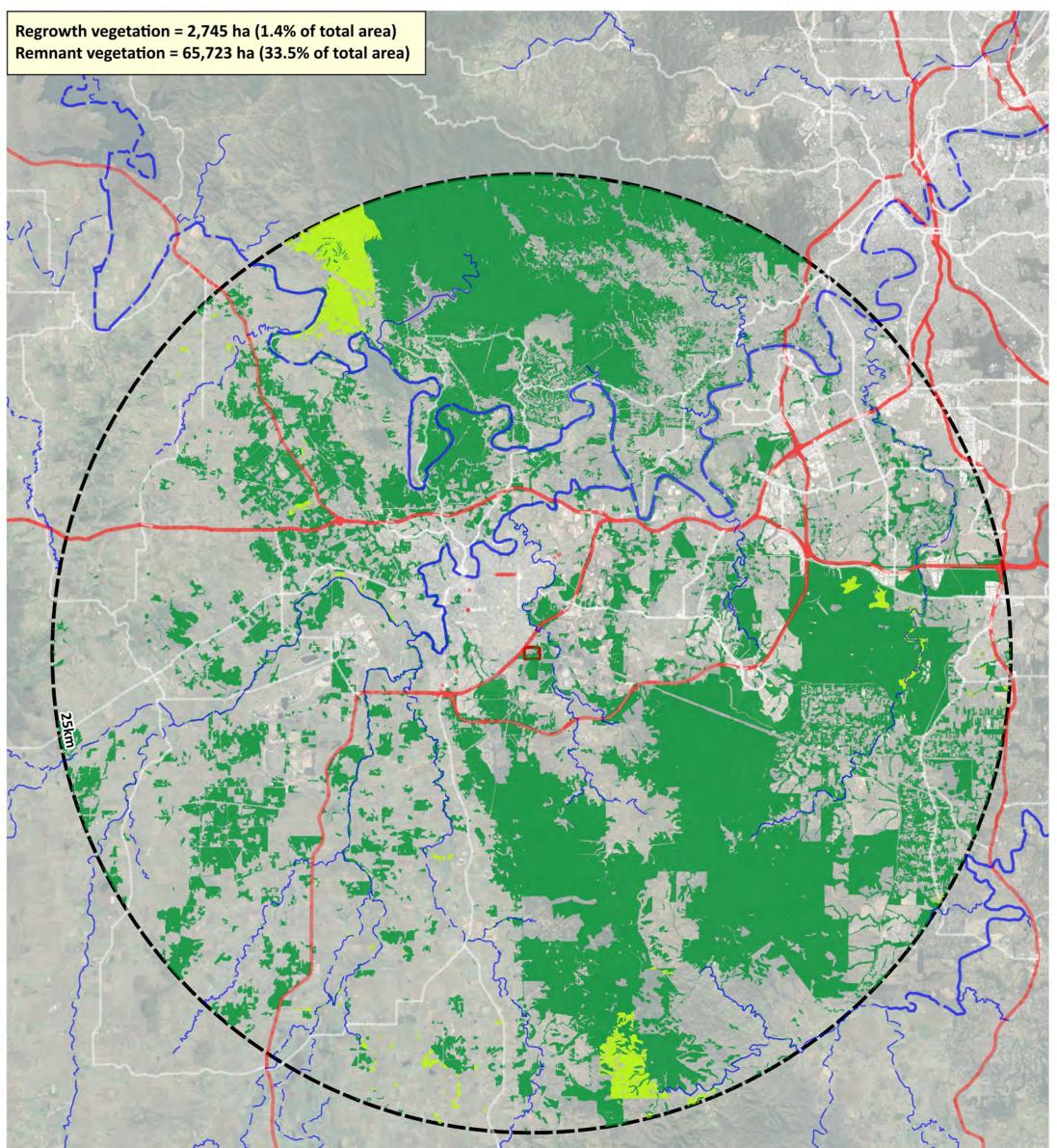


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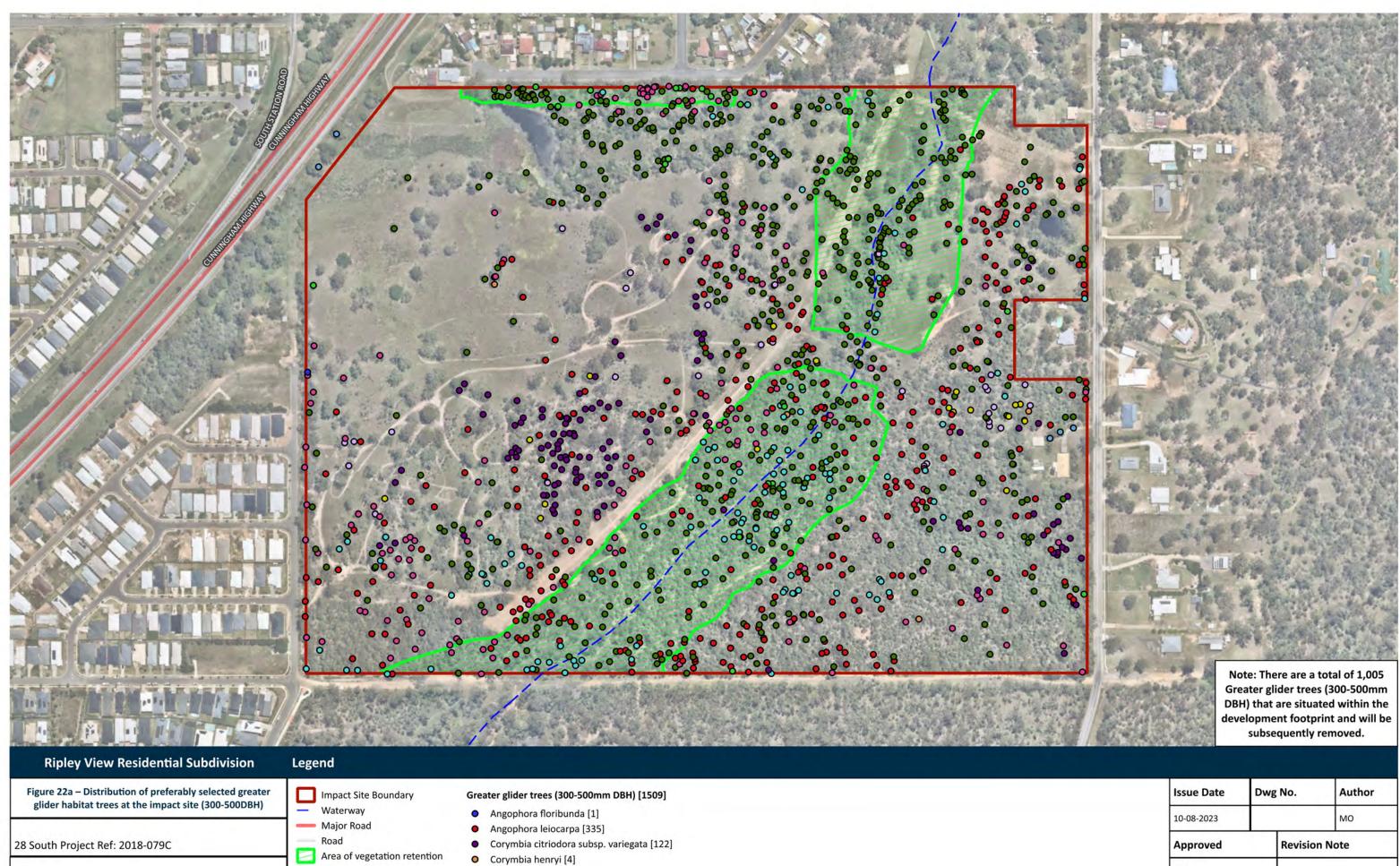








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Ripley View Residential Subdivision	Legend			
Figure 21 – Potential greater glider habitat where key canopy	Impact Site Boundary	Issue Date	Dwg No.	Author
species (Eyre et al 2022) are present within 25km of the impact site	— — Waterway	04-08-2023		мо
28 South Project Ref: 2018-079C	Major Road	Approved	Revision	Note
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ata Sources: Qld Globe (SIPS	Regrowth vegetation	(A3) GDA	2020 MGA 56	
016); Digital Cadastre Database Dept. Natural Resources and	Remnant vegetation	1:1	90,000	۸
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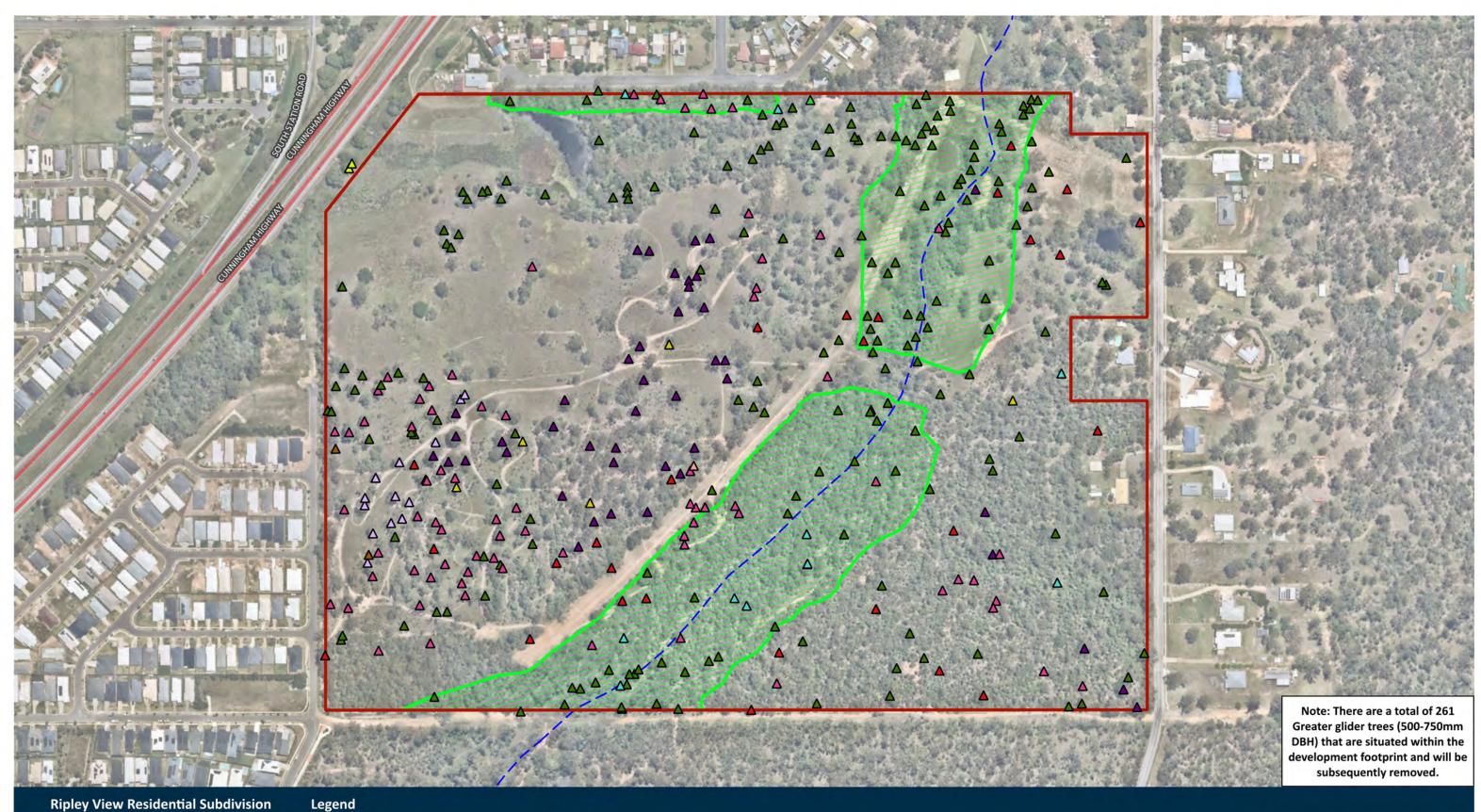
Data Sources: Qld Globe (SIPS 2016); Digital Cadastre Database (Dept. Natural Resources and Mines, 2021); Roads (DNRME, 2020); Watercourse (DNRME, 2020); Contours (DNRME 2016).

00 ENVIRONMENTAL

- Area of vegetation retention
 - - Corymbia intermedia [166] • Corymbia tessellaris [22]
 - Eucalyptus crebra [17]

 - Eucalyptus microcorys [5] • Eucalyptus siderophloia [30]
 - Eucalyptus tereticornis [688]
 - Lophostemon suaveolens [119]

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Ripley View Residential Subdivision

Figure 22b – Distribution of preferably selected greater glider habitat trees at the impact site (500-750mm DBH)

28 South Project Ref: 2018-079C

Data Sources: Qld Globe (SIPS 2016); Digital Cadastre Database (Dept. Natural Resources and Mines, 2021); Roads (DNRME, 2020); Watercourse (DNRME, 2020); Contours (DNRME 2016).



Impact Site Boundary Waterway Waterway

- Major Road Road
- Area of vegetation retention
- Corymbia tessellaris [1] Dead tree [2] Δ

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- Eucalyptus crebra [5] Δ
- Eucalyptus fibrosa [1] Δ

Angophora leiocarpa [27]

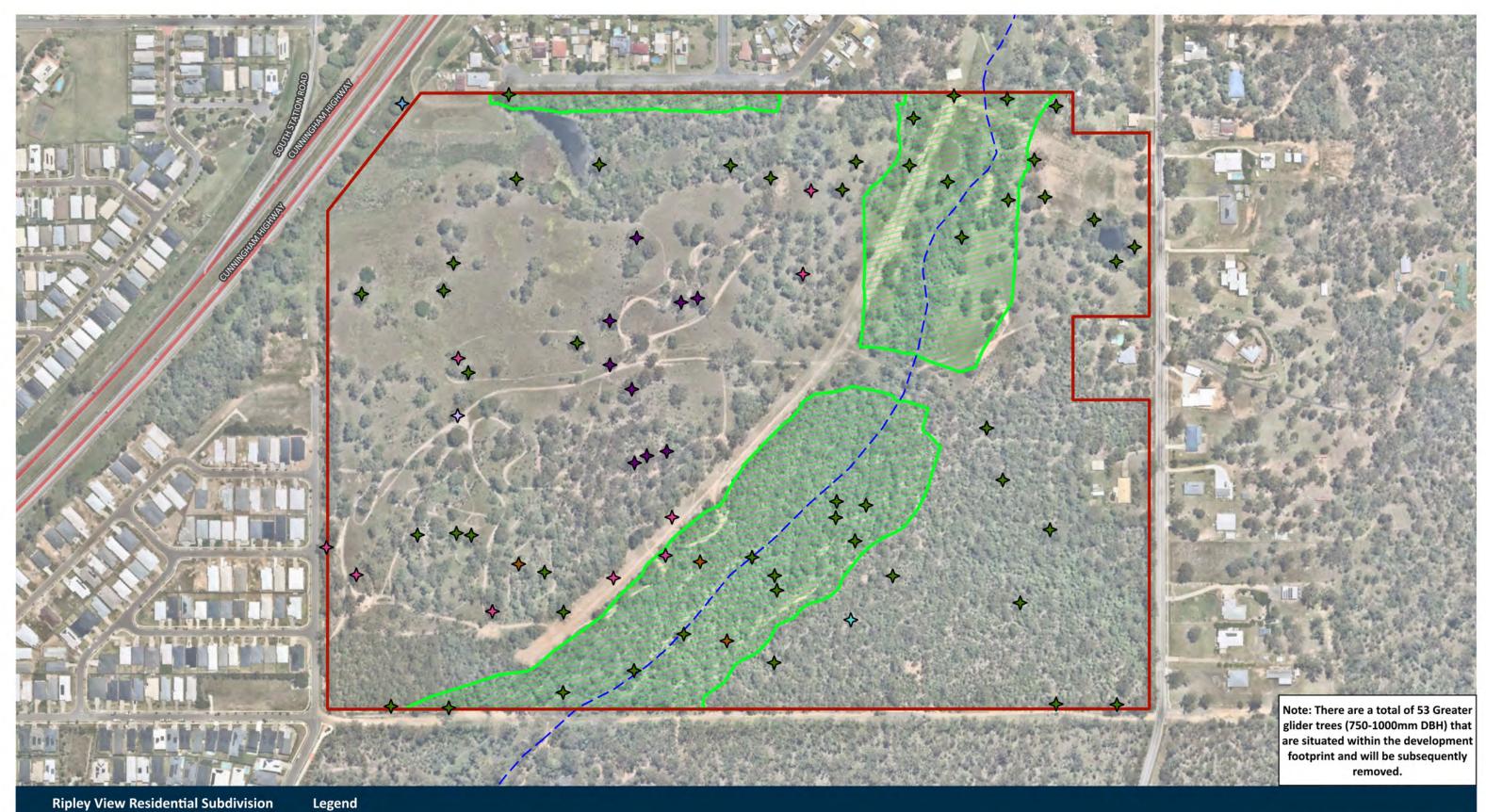
Corymbia intermedia [75]

- ▲ Eucalyptus grandis [2]
- ▲ Eucalyptus siderophloia [13]
- Lucalyptus tereticornis [192]
- ▲ Lophostemon suaveolens [10]

Greater glider trees (500-750mm DBH) [373]

Corymbia citriodora subsp. variegata [45]

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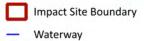


Ripley View Residential Subdivision

- Figure 22c Distribution of preferably selected greater glider habitat trees at the impact site (750-1000mm DBH)
- 28 South Project Ref: 2018-079C

Data Sources: Qld Globe (SIPS 2016); Digital Cadastre Database (Dept. Natural Resources and Mines, 2021); Roads (DNRME, 2020); Watercourse (DNRME, 2020); Contours (DNRME 2016).

QQC ENVIRONMENTAL



- Major Road
- Road
- Area of vegetation retention
 - Eucalyptus microcorys [1] Eucalyptus siderophloia [1]

Dead tree [3]

Eucalyptus tereticornis [51]

Corymbia intermedia [9]

Lophostemon suaveolens [1]

Greater glider trees (750-1000mm DBH) [75]

Corymbia citriodora subsp. variegata [9]

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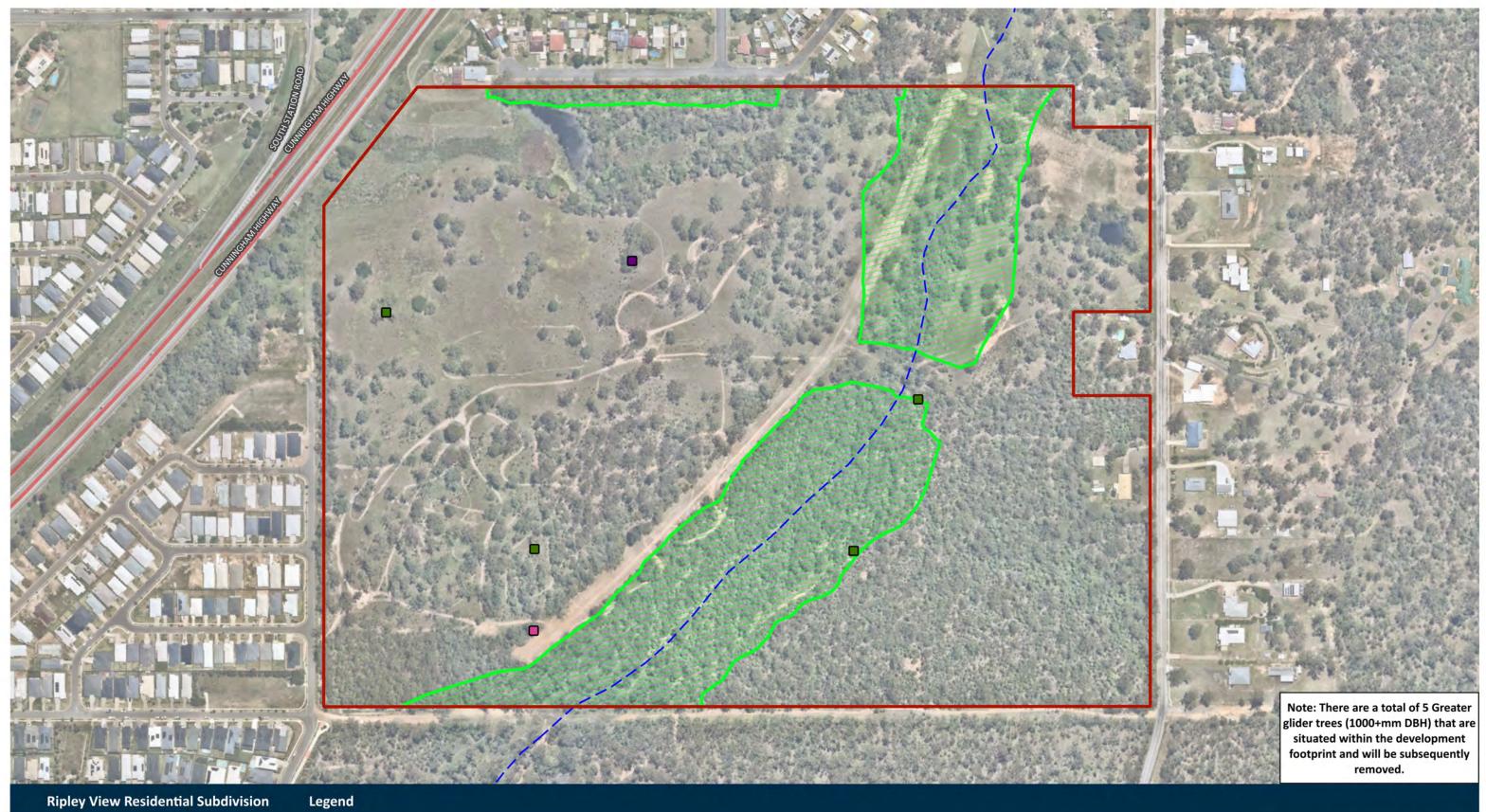


Figure 22d – Distribution of preferably selected greater glider habitat trees at the impact site (1000+mm DBH)

28 South Project Ref: 2018-079C

Data Sources: Qld Globe (SIPS 2016); Digital Cadastre Database (Dept. Natural Resources and Mines, 2021); Roads (DNRME, 2020); Watercourse (DNRME, 2020); Contours (DNRME 2016).

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Greater glider trees (1000+mm DBH) [6]

Area of vegetation retention

Impact Site Boundary

WaterwayMajor Road

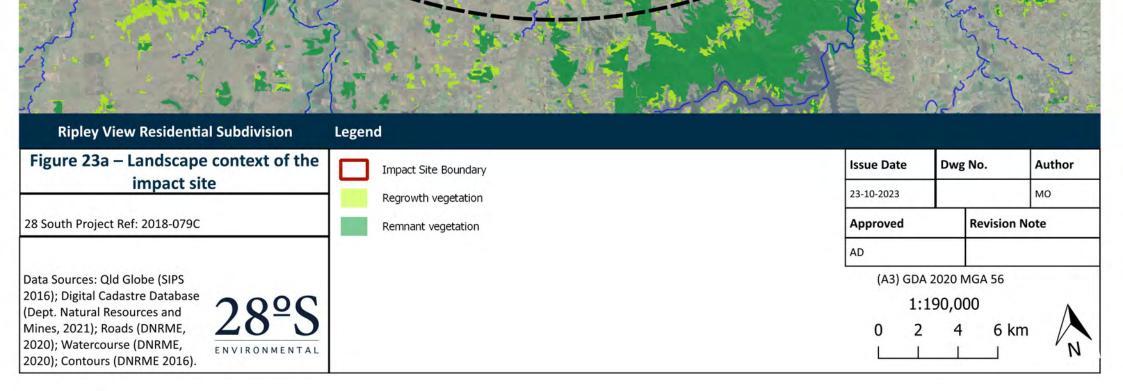
Road

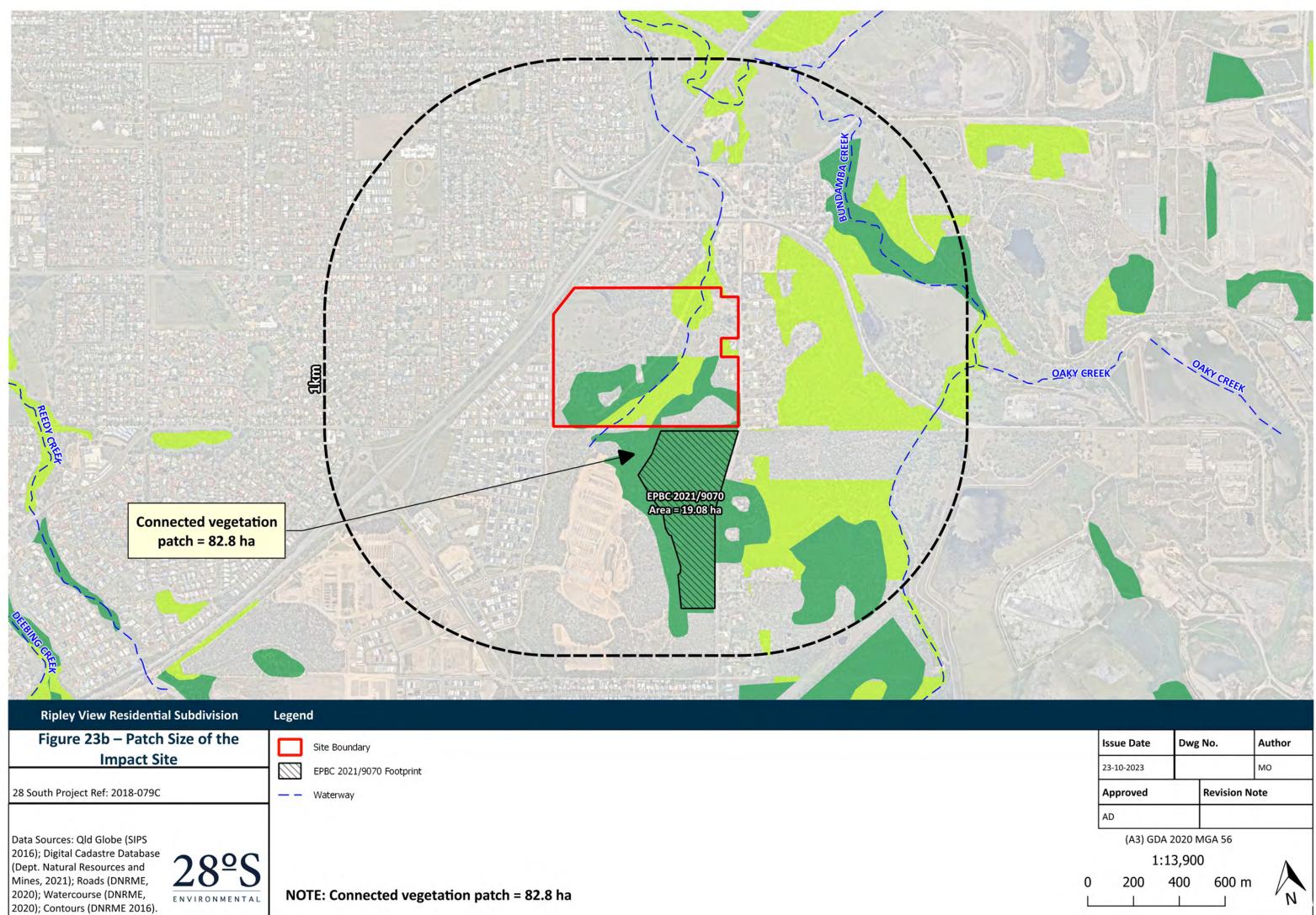
- Corymbia citriodora subsp. variegata [1]
- Corymbia intermedia [1]
- Eucalyptus tereticornis [4]

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Regrowth vegetation (within 25km) = 20,075 ha (10.2% of total area) Remnant vegetation (within 25km) = 51,954 ha (26.5% of total area)

Regrowth vegetation (on-site) = 7.4 ha (15.6% of total area) Remnant vegetation (on-site) = 10.7 ha (22.5% of total area)



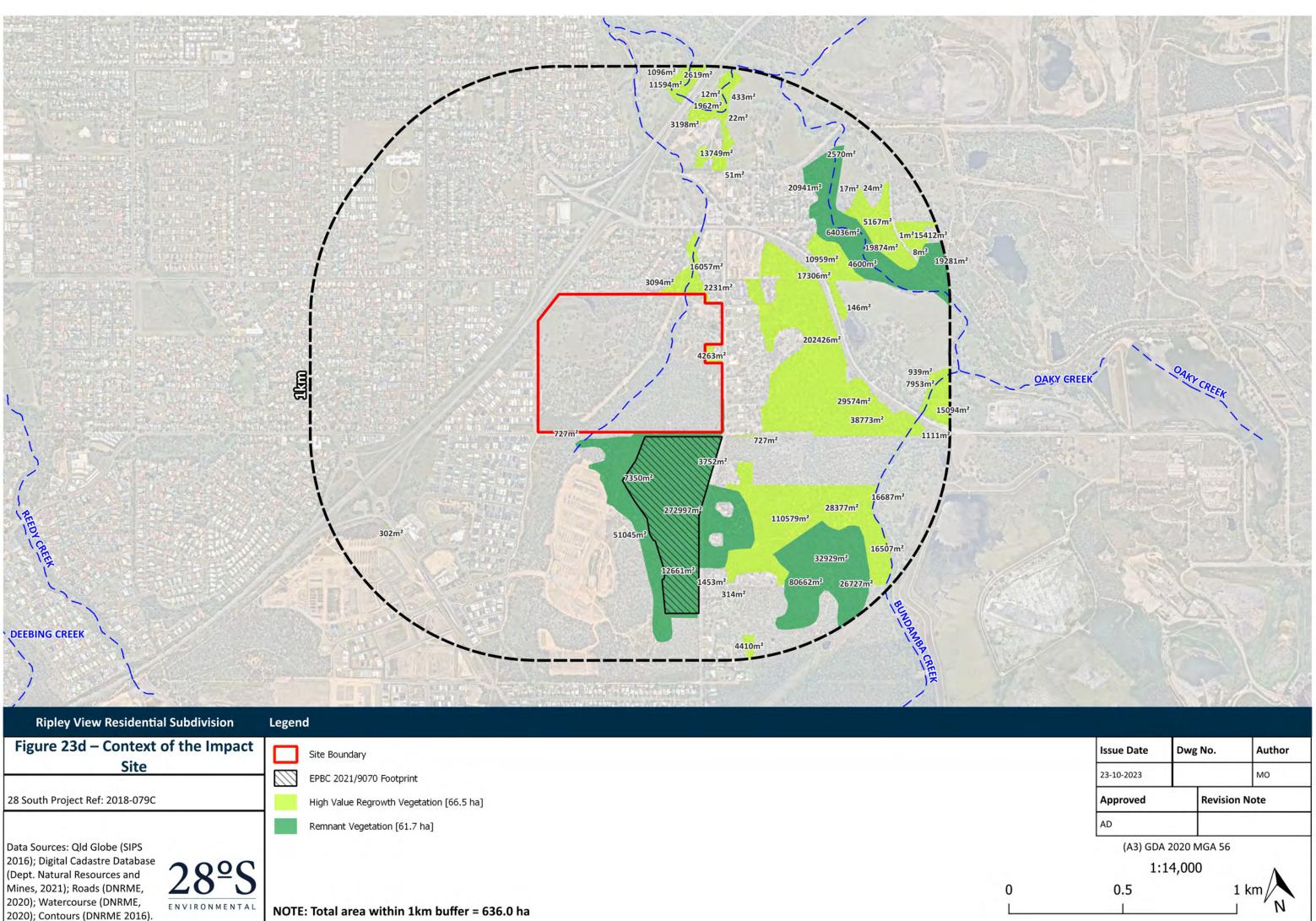


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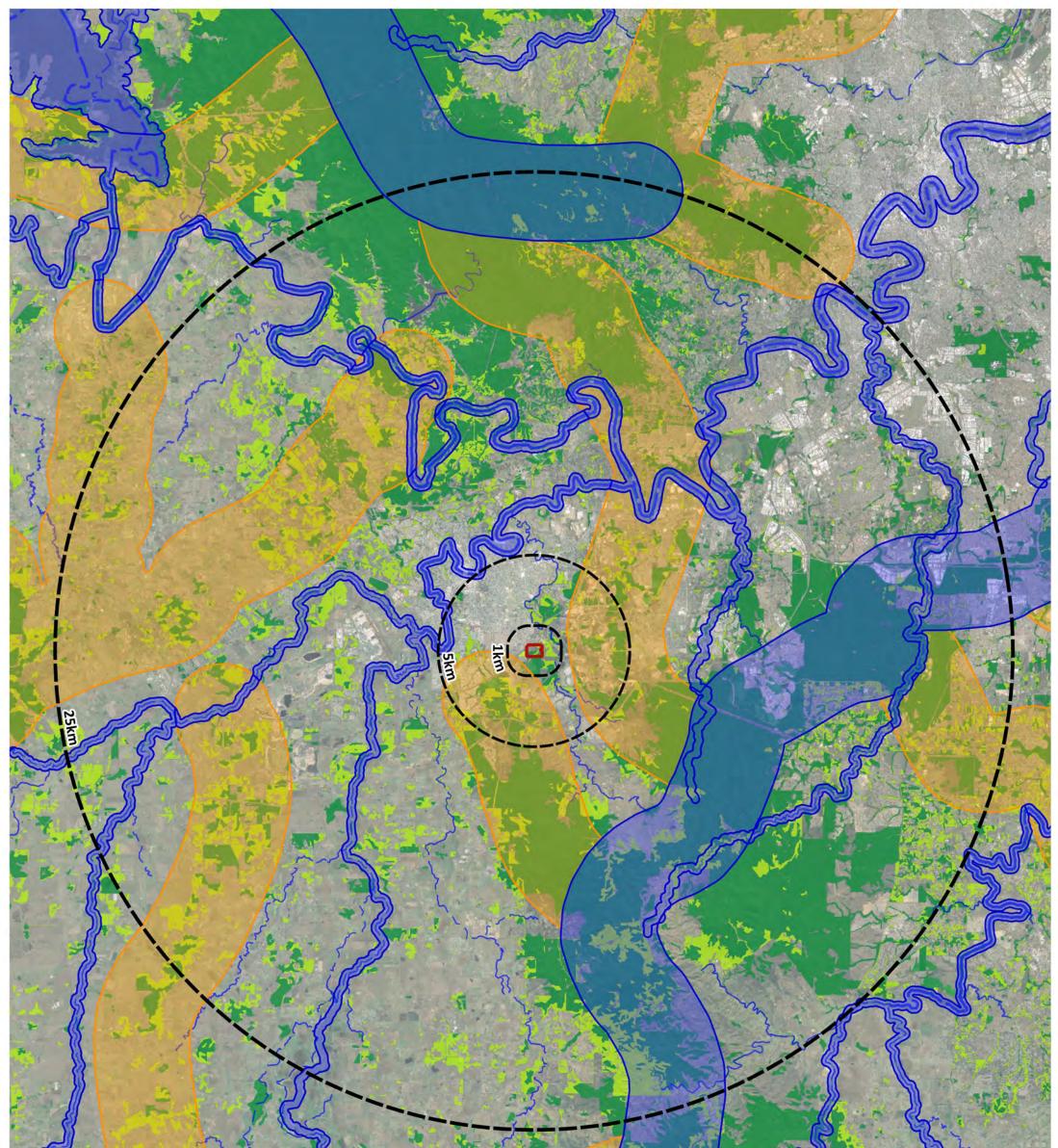


2020); Contours (DNRME 2016).

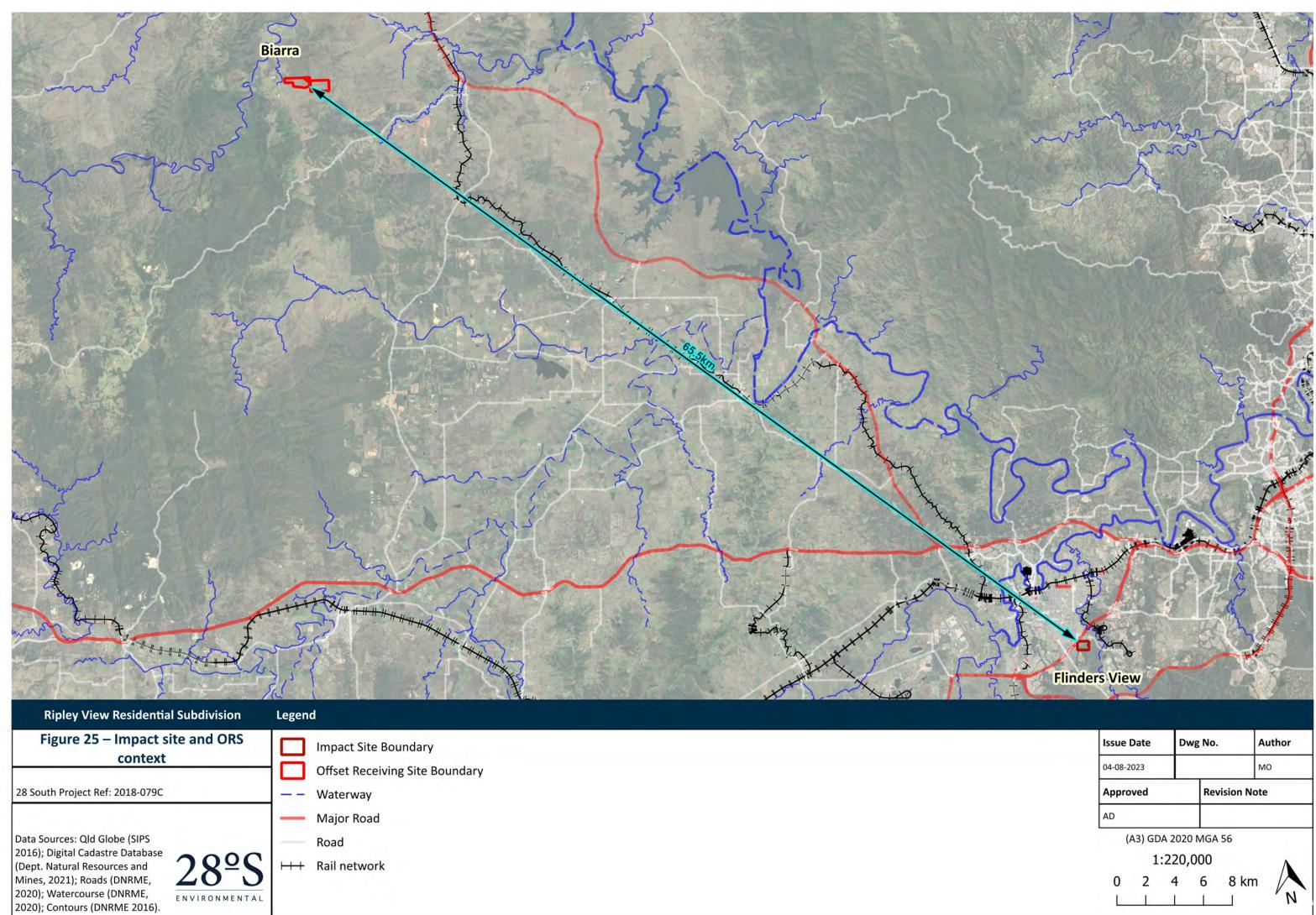
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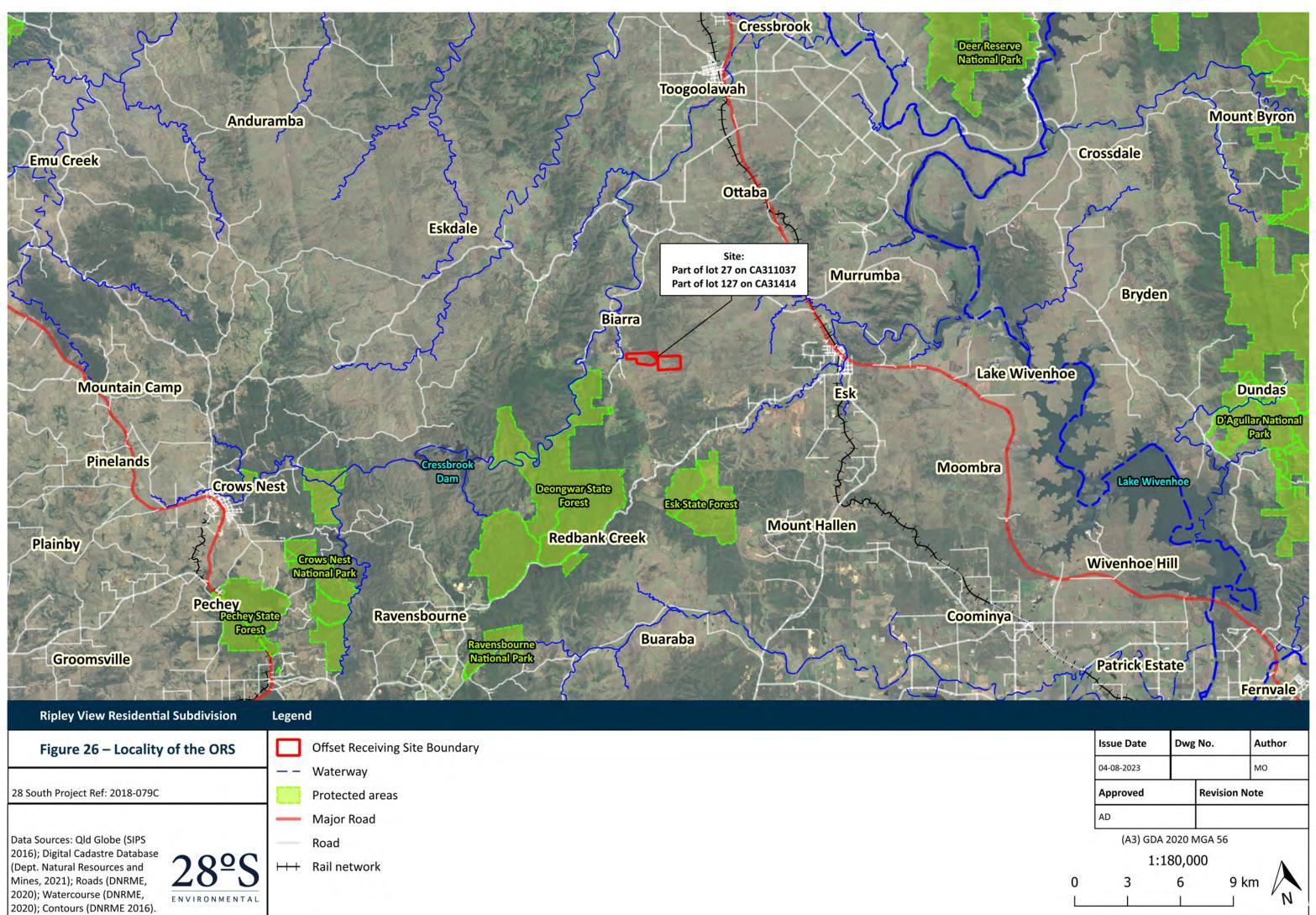
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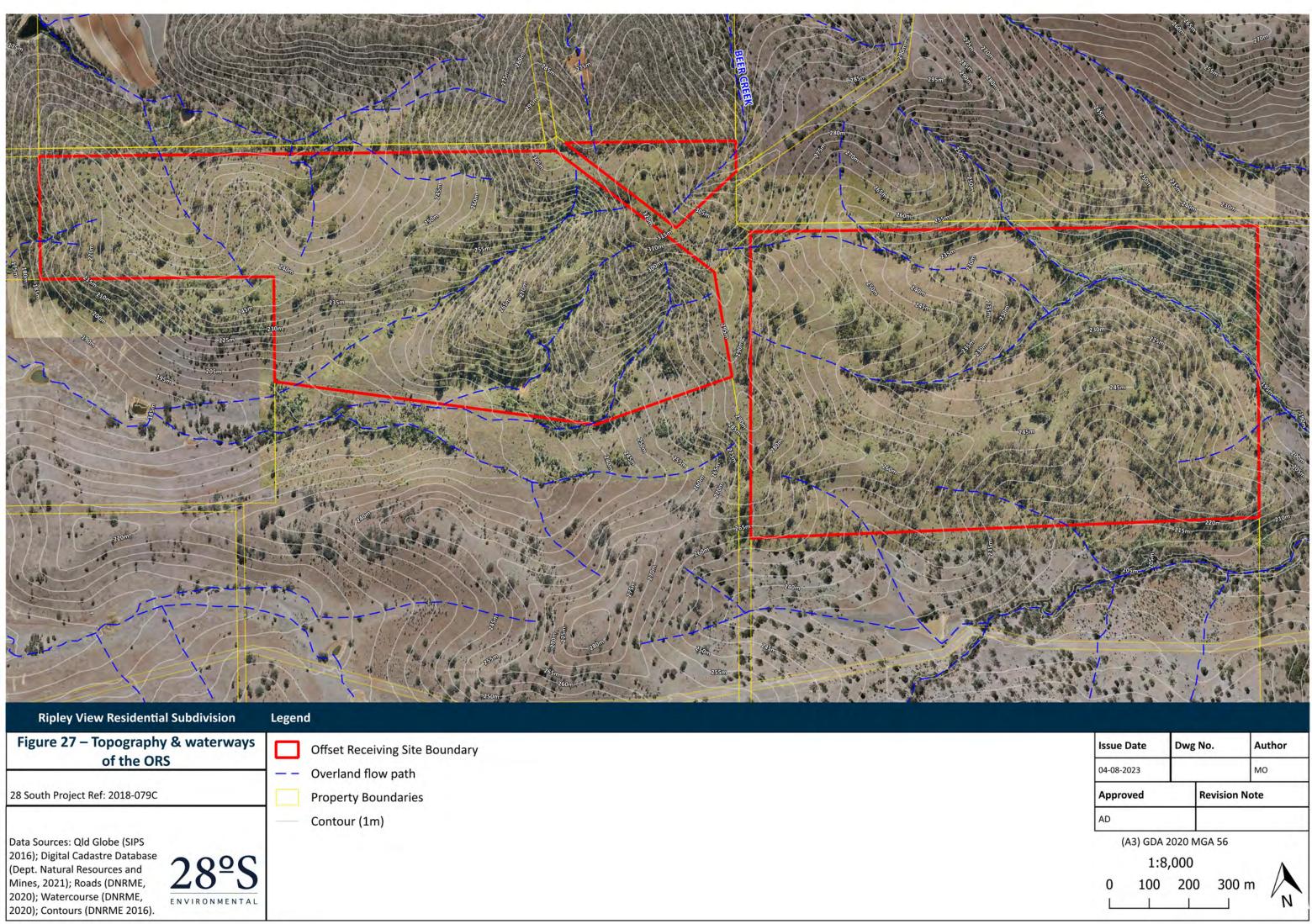
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Ripley View Residential Subdivision	Legend			
Figure 24 – Landscape connectedness	Impact Site Boundary	Issue Date	Dwg No.	Author
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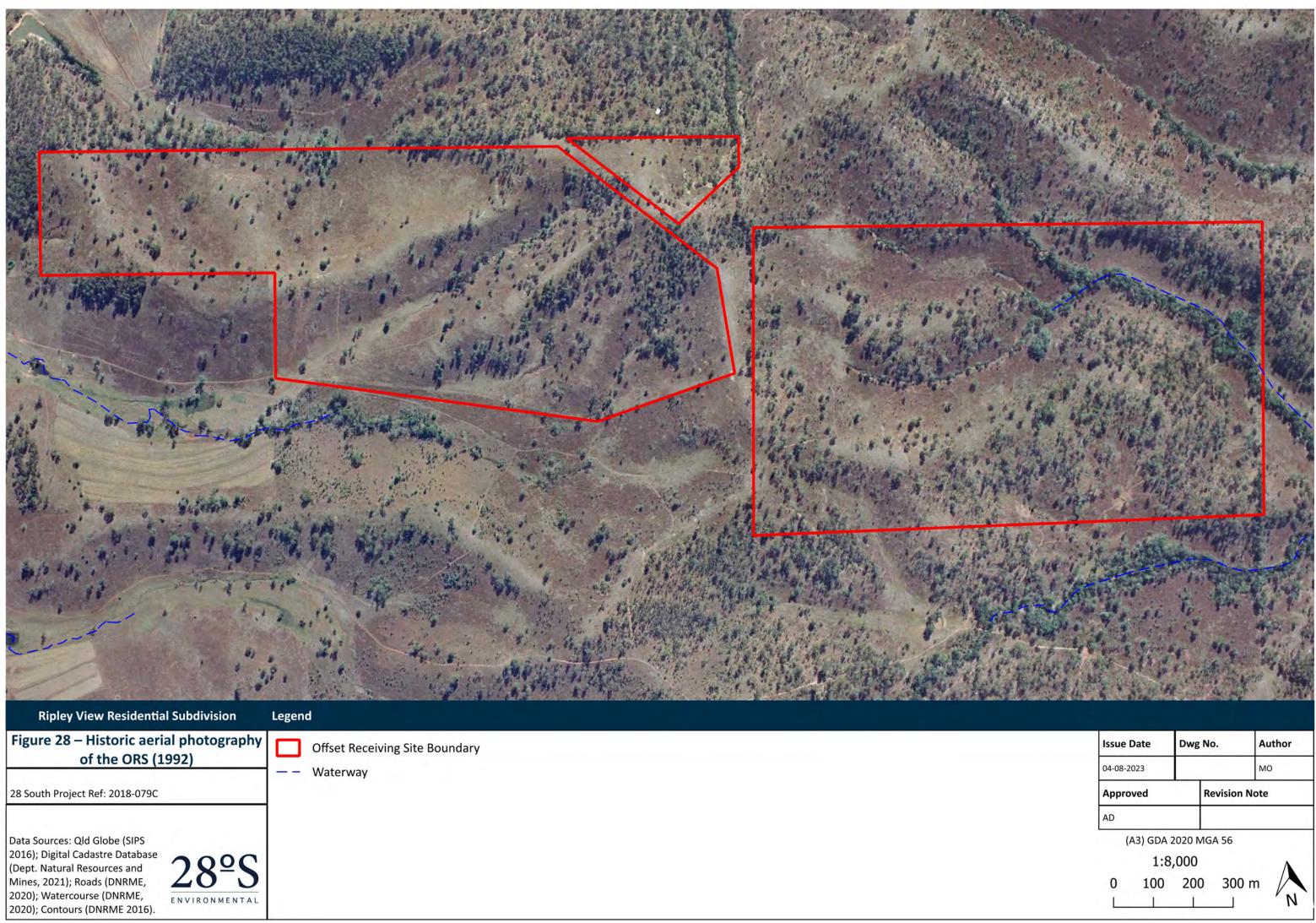
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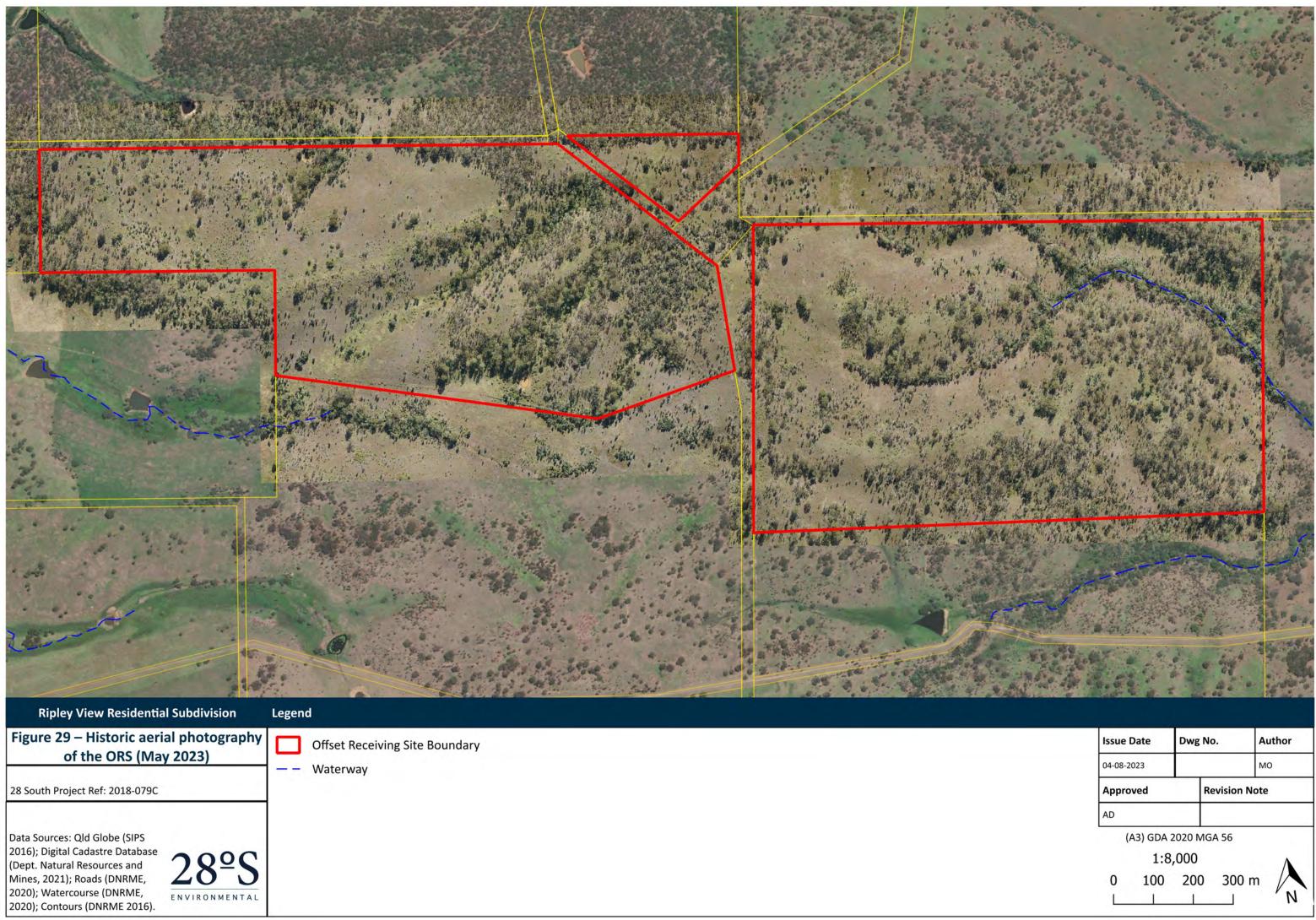
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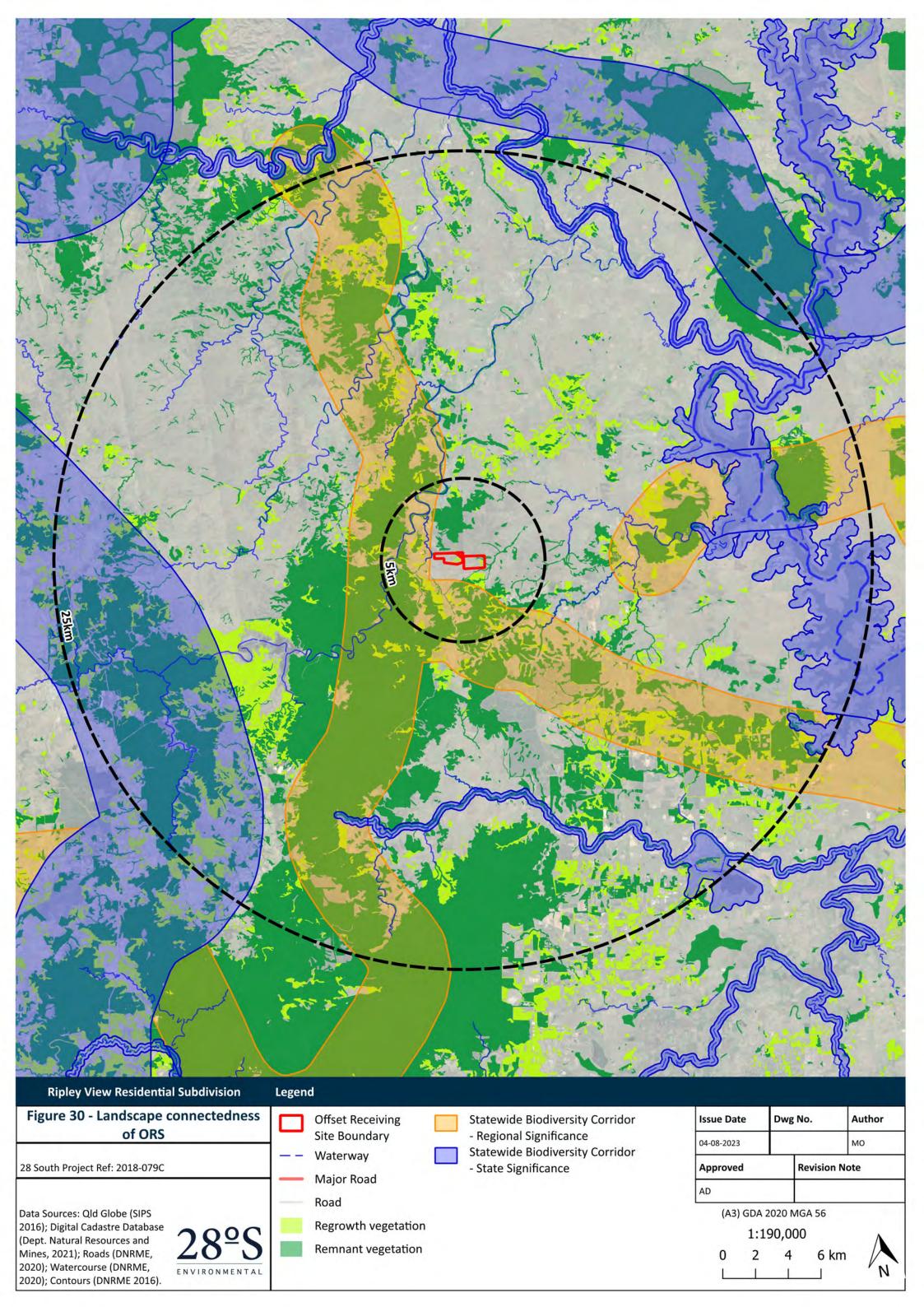
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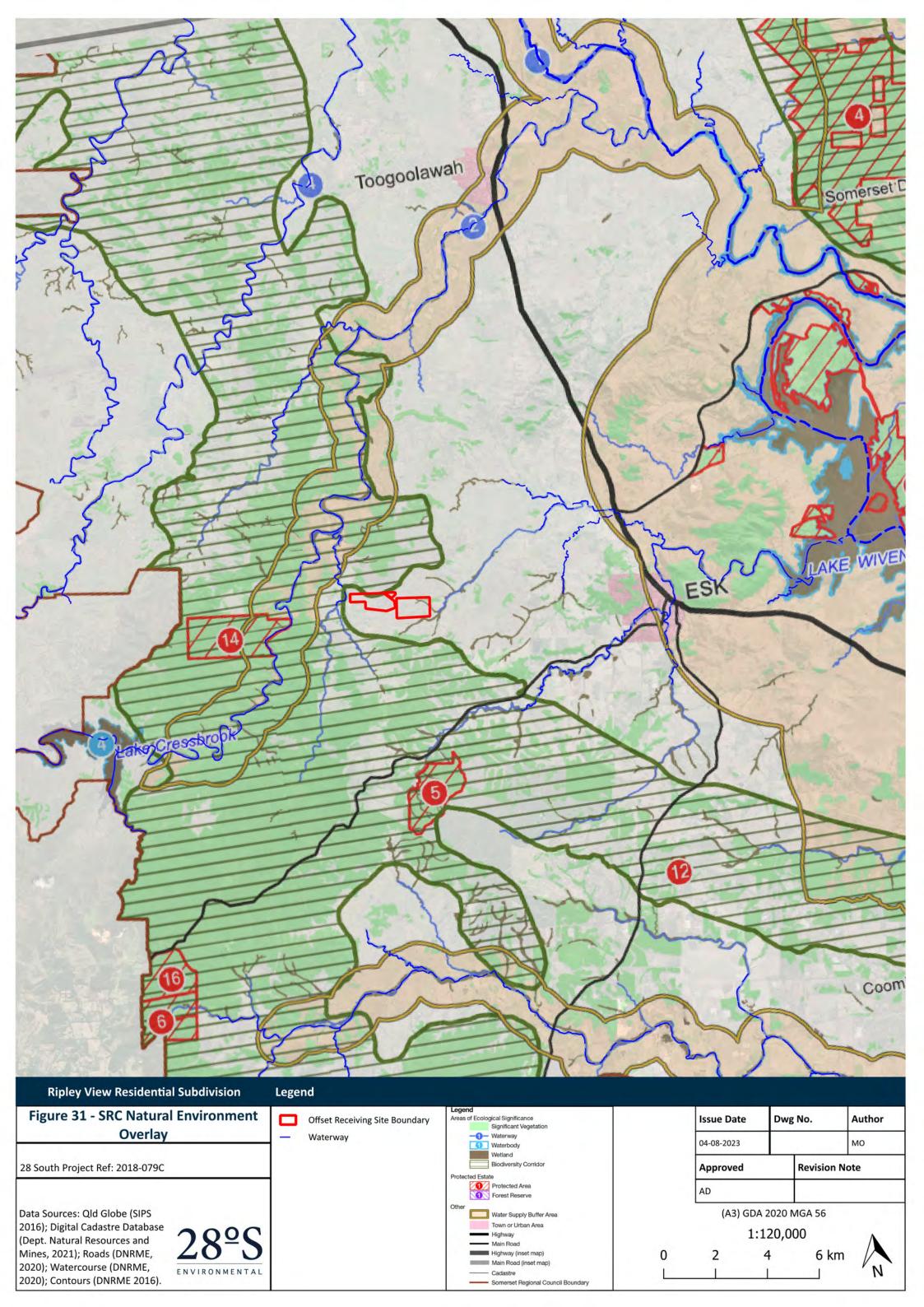


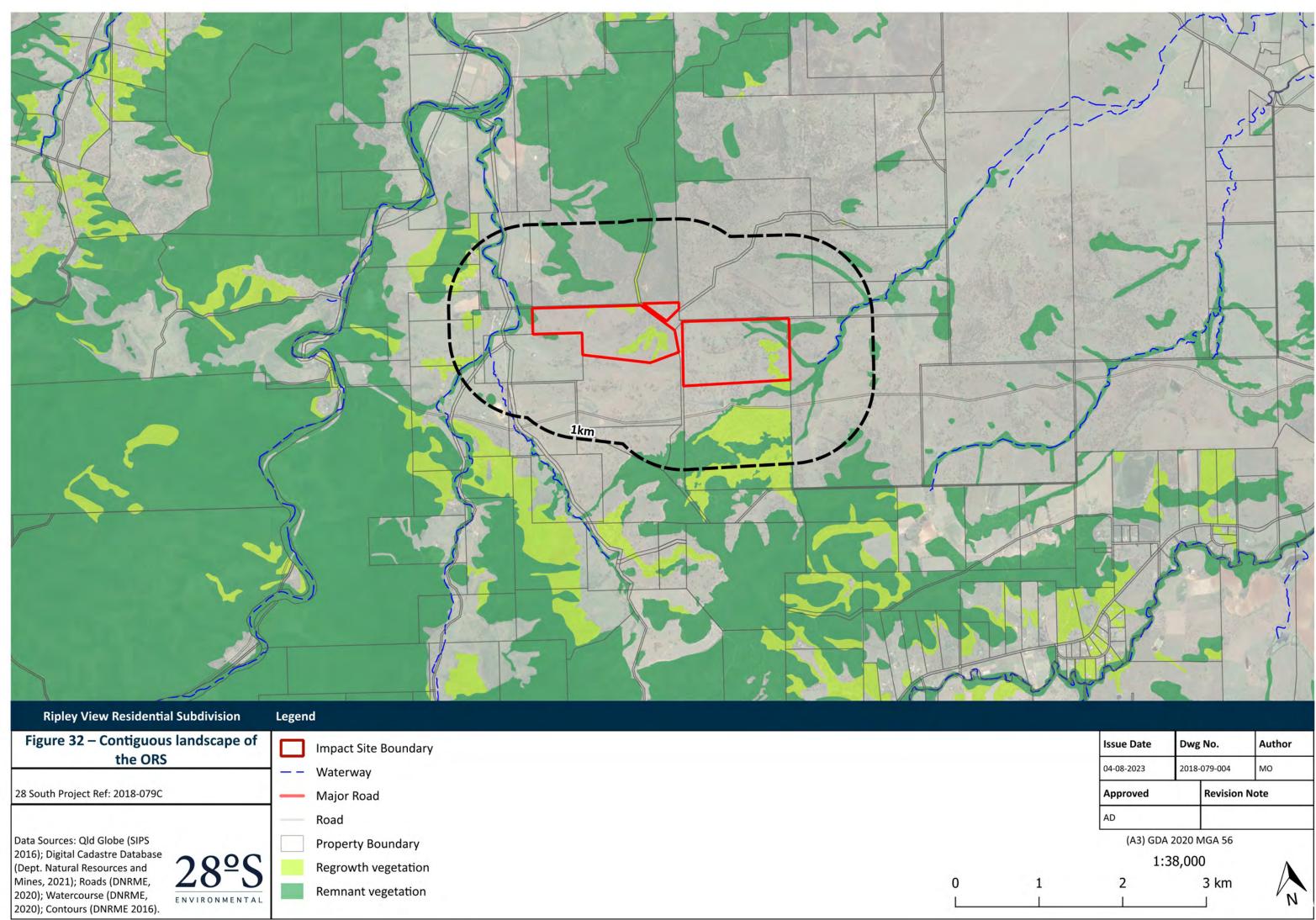
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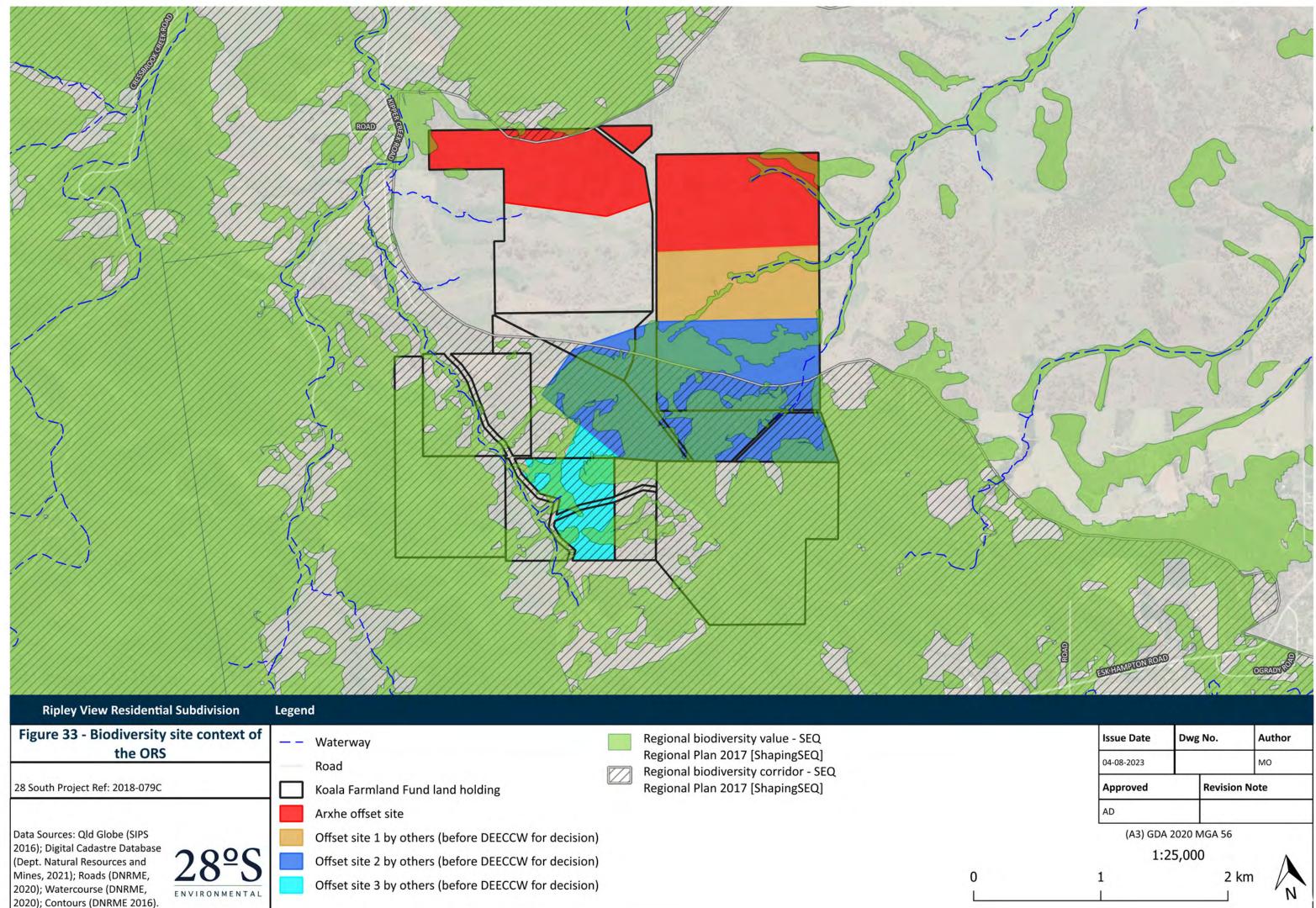
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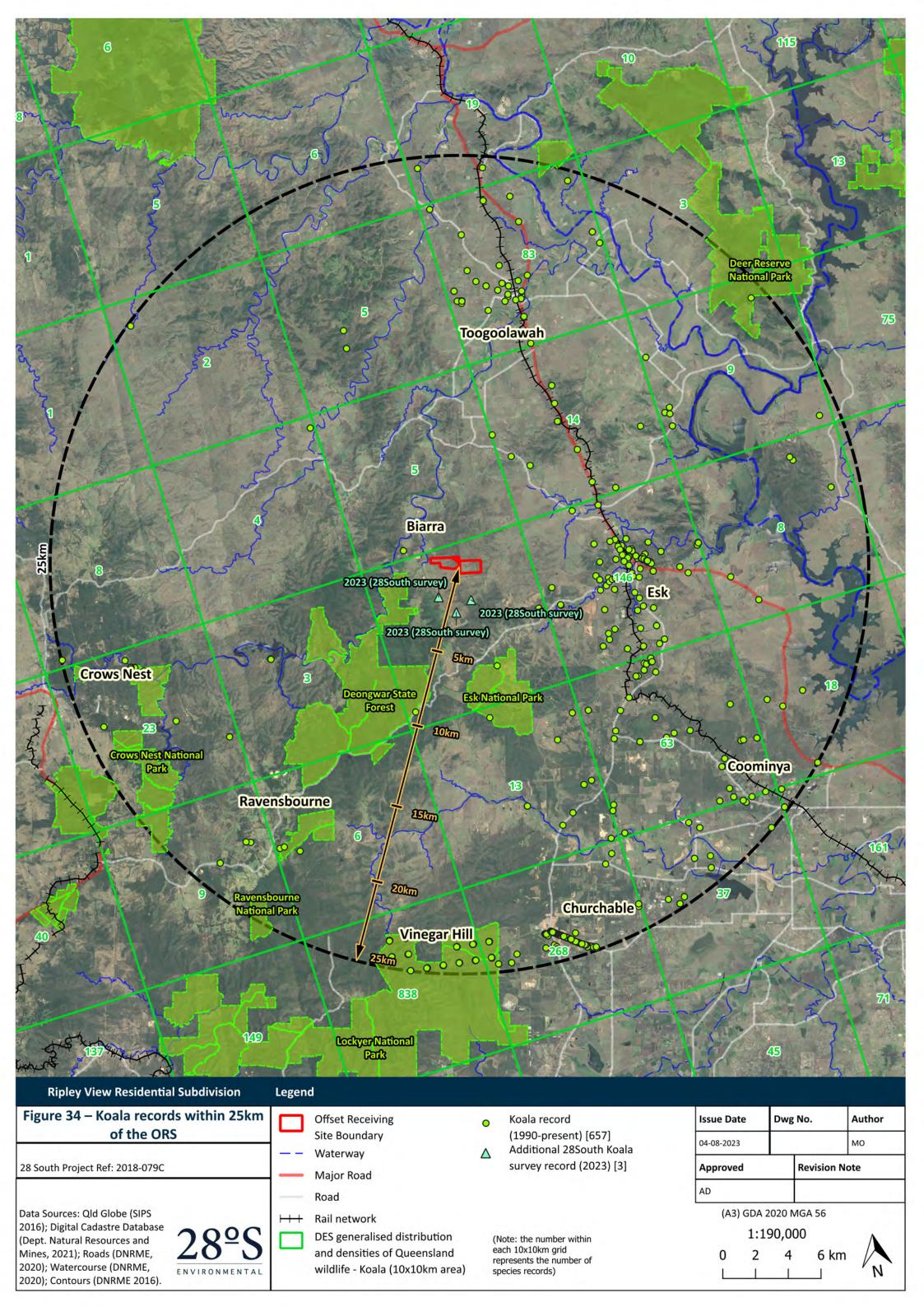


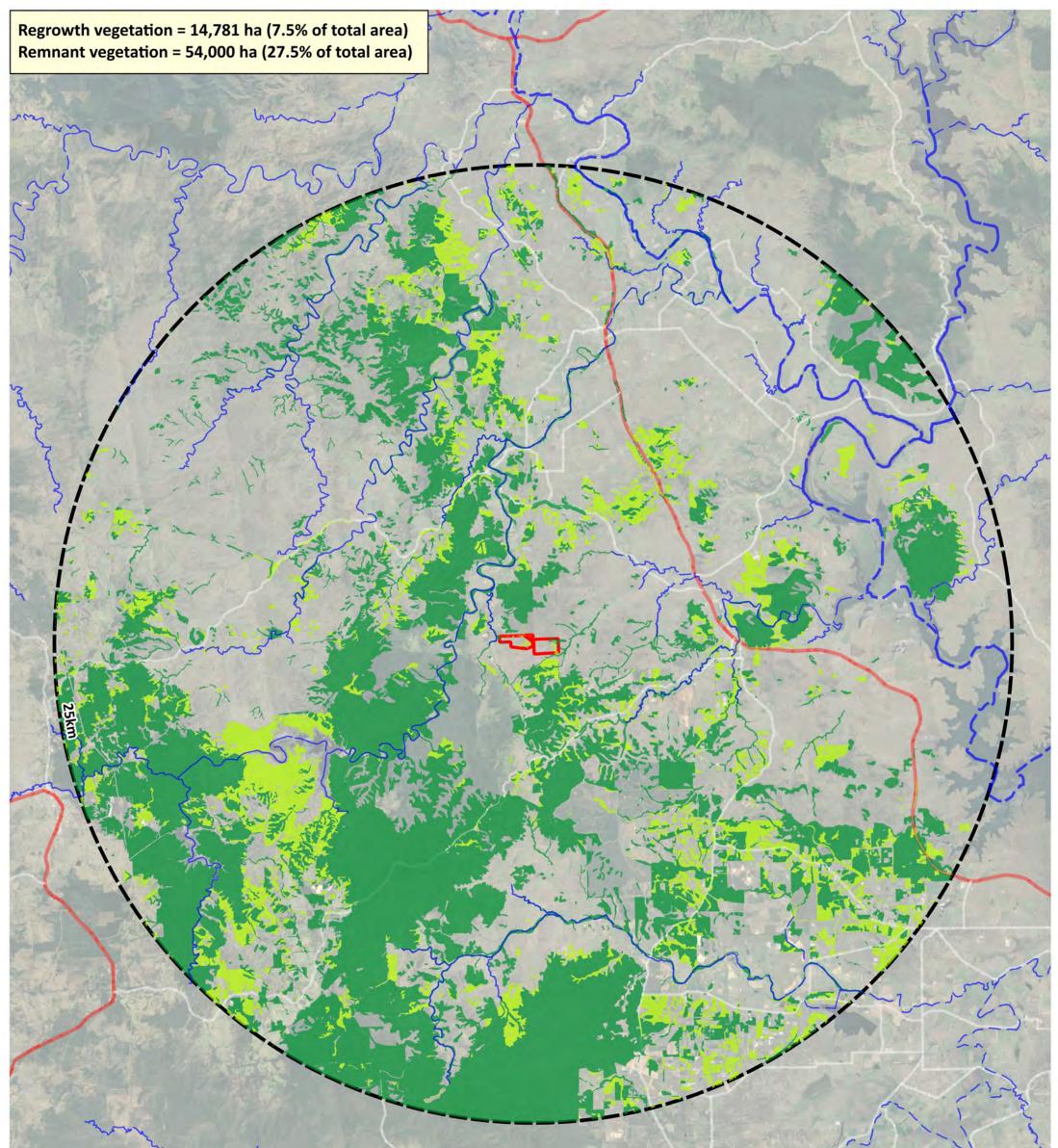


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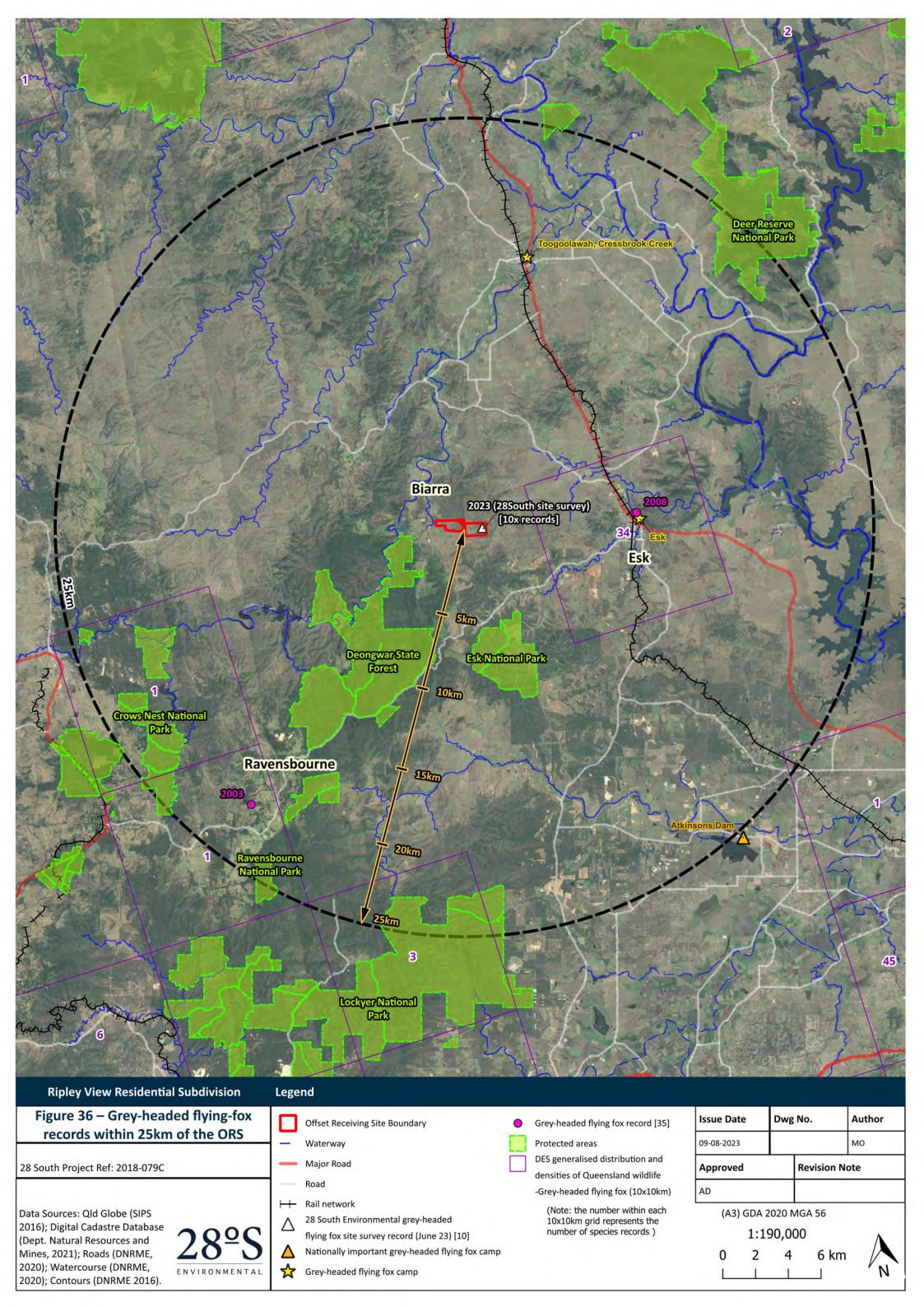


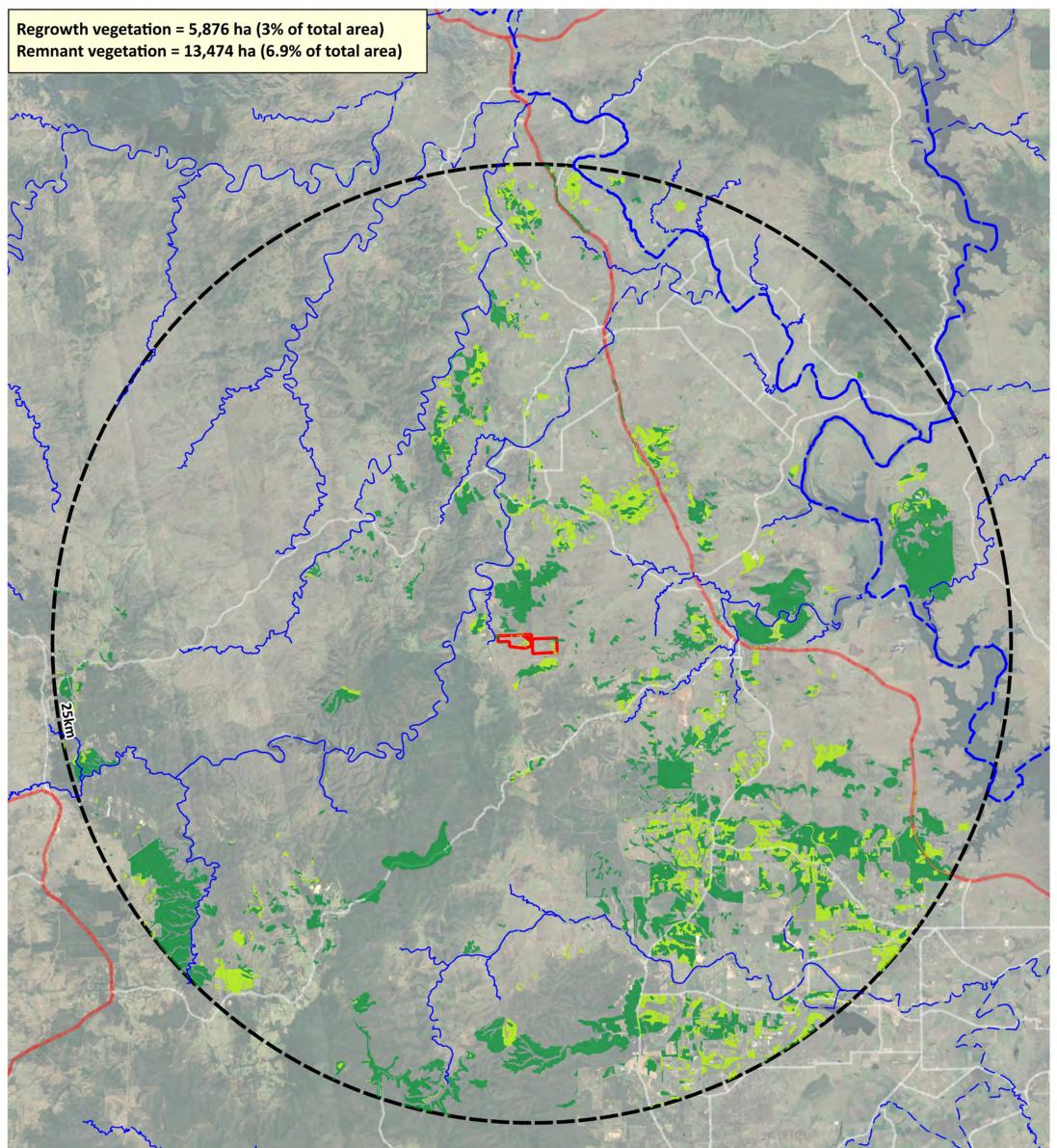
Issue Date	Dwg No.	Author
04-08-2023		мо
Approved	Revisio	n Note
AD		
(A3) GDA	2020 MGA 56	
1:	25,000	٨
L	2	km
1	1	1



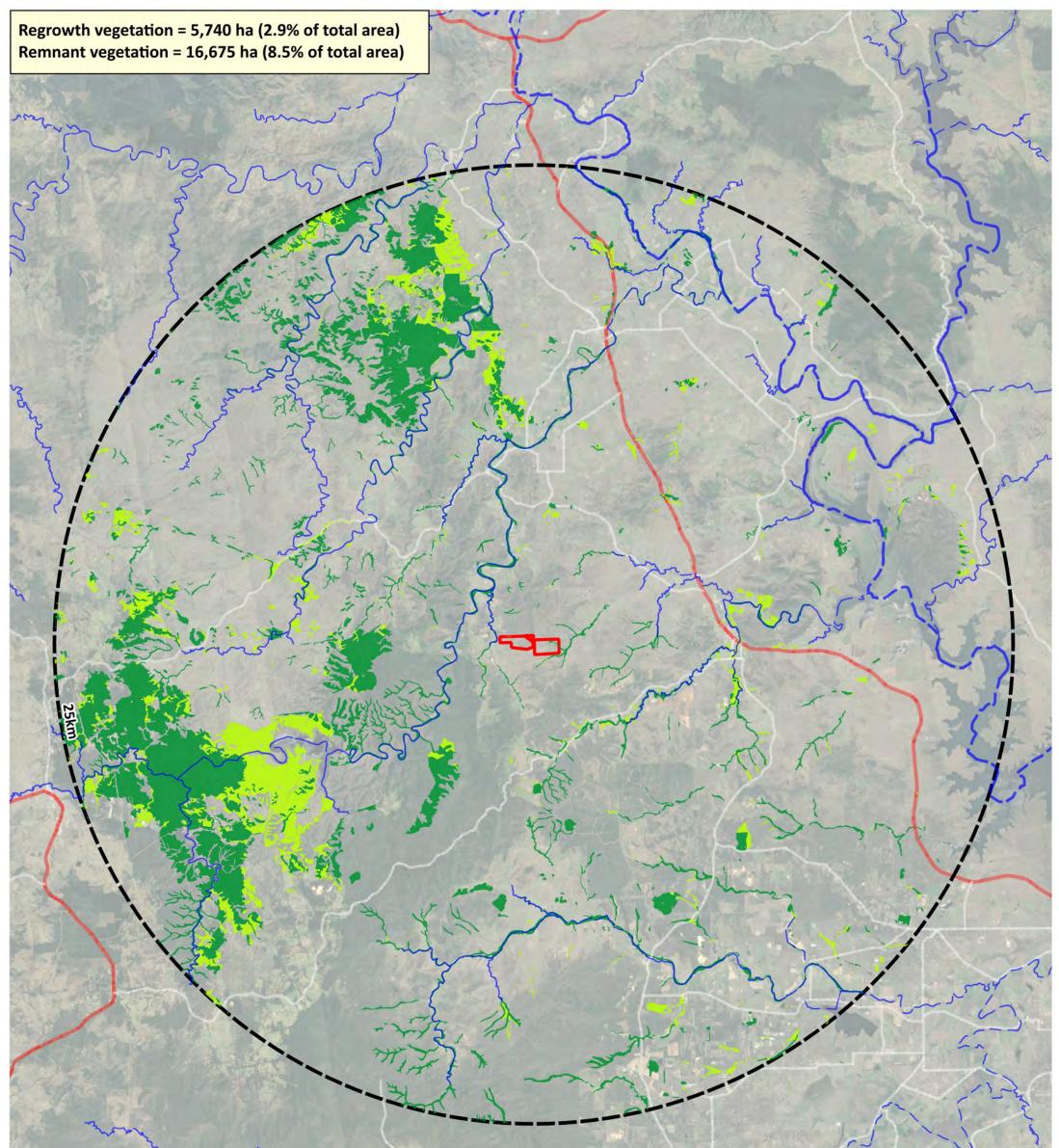


and a series of the series of		rand for	- The second	
Ripley View Residential Subdivision	Legend			
Figure 35 – Koala habitat REs within	Offset Receiving Site Boundary	Issue Date	Dwg No.	Author
25km of the ORS	— — Waterway	04-08-2023		мо
8 South Project Ref: 2018-079C	Major Road	Approved	Revision	Note
	Road	AD		
ata Sources: Qld Globe (SIPS	Regrowth vegetation	(A3) GDA 2	2020 MGA 56	
016); Digital Cadastre Database Dept. Natural Resources and	Remnant vegetation	1:1	90,000	Δ
Alines, 2021); Roads (DNRME, 020); Watercourse (DNRME, 020); Contours (DNRME 2016).		0 2	4 6 kr	n N

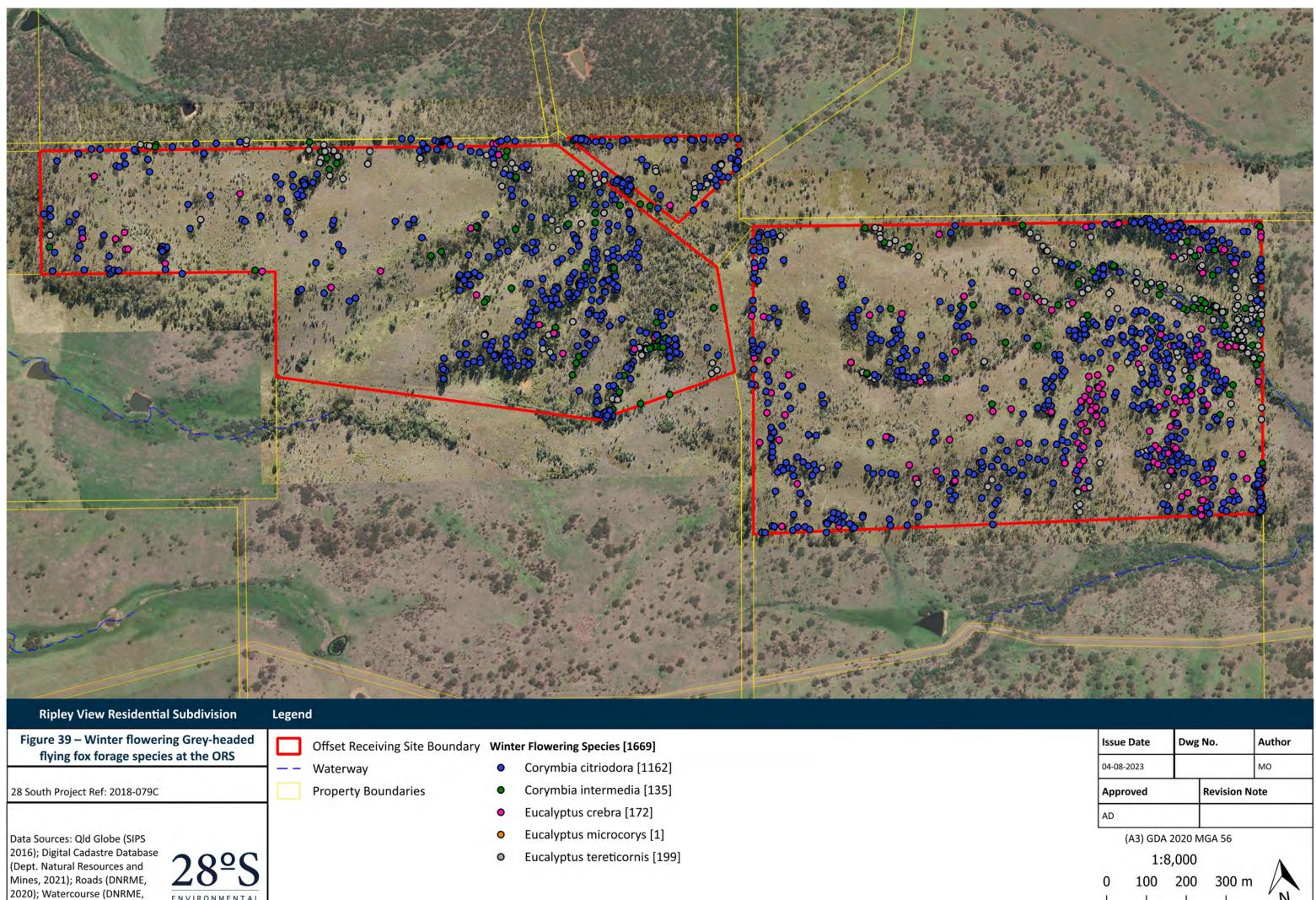




John Sundal			- T	
Ripley View Residential Subdivision	Legend			
Figure 37 – Grey-headed flying-fox E. tereticornis dominant	Offset Receiving Site Boundary	Issue Date	Dwg No.	Author
and co-dominant REs within 25km of the ORS	— — Waterway	04-08-2023		мо
28 South Project Ref: 2018-079C	Major Road	Approved	Revision	Note
	Road	AD		
Data Sources: Qld Globe (SIPS	Regrowth vegetation	(A3) GDA	2020 MGA 56	
2016); Digital Cadastre Database Dept. Natural Resources and	Remnant vegetation	1:1	190,000	۸
Mines, 2021); Roads (DNRME, 2020); Watercourse (DNRME, 2020); Contours (DNRME 2016).		0 2 L L	4 6 k	m N



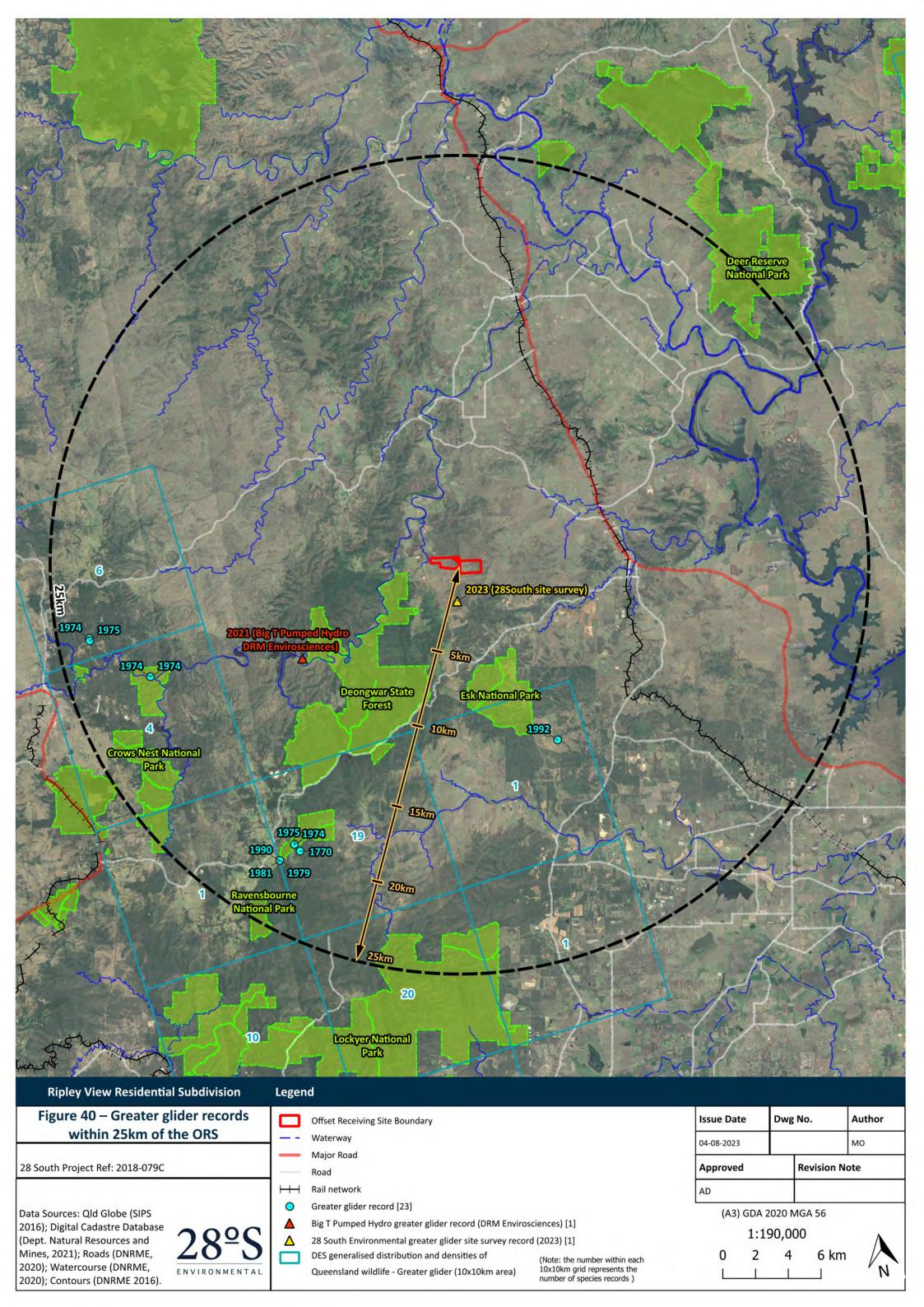
and a man a sure of the			21	2
Ripley View Residential Subdivision	Legend			
Figure 38 - Grey-headed flying-fox E. tereticornis	Offset Receiving Site Boundary	Issue Date	Dwg No.	Author
sub-dominant and associated REs within 25km of the ORS	— — Waterway	04-08-2023		мо
28 South Project Ref: 2018-079C	Major Road	Approved	Revision	Note
	Road	AD		
Data Sources: Qld Globe (SIPS	Regrowth vegetation	(A3) GDA	2020 MGA 56	
2016); Digital Cadastre Database (Dept. Natural Resources and	Remnant vegetation	1:	190,000	۸
Mines, 2021); Roads (DNRME, 2020); Watercourse (DNRME, 2020); Contours (DNRME 2016).		0 2 	4 6 ki	m N

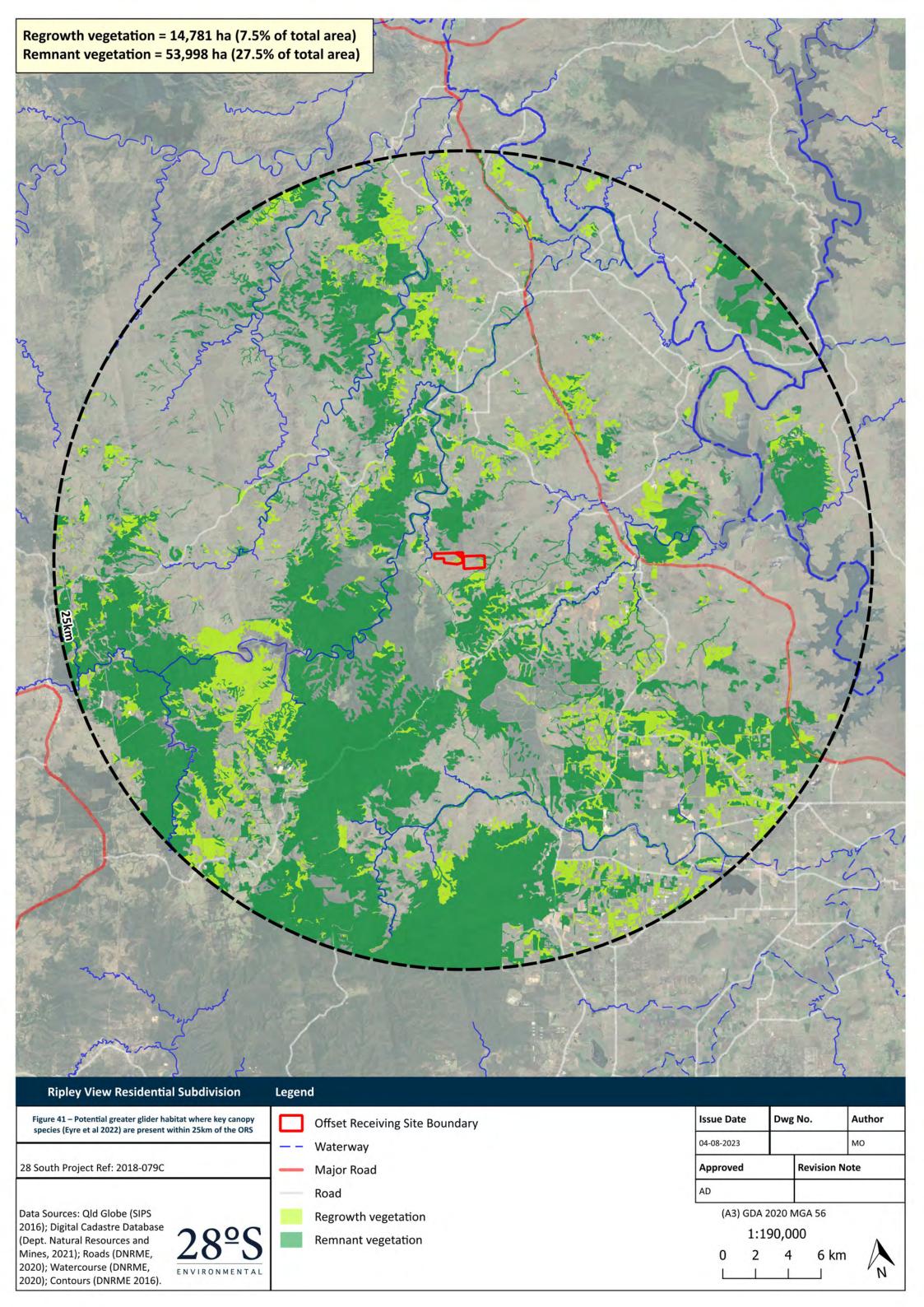


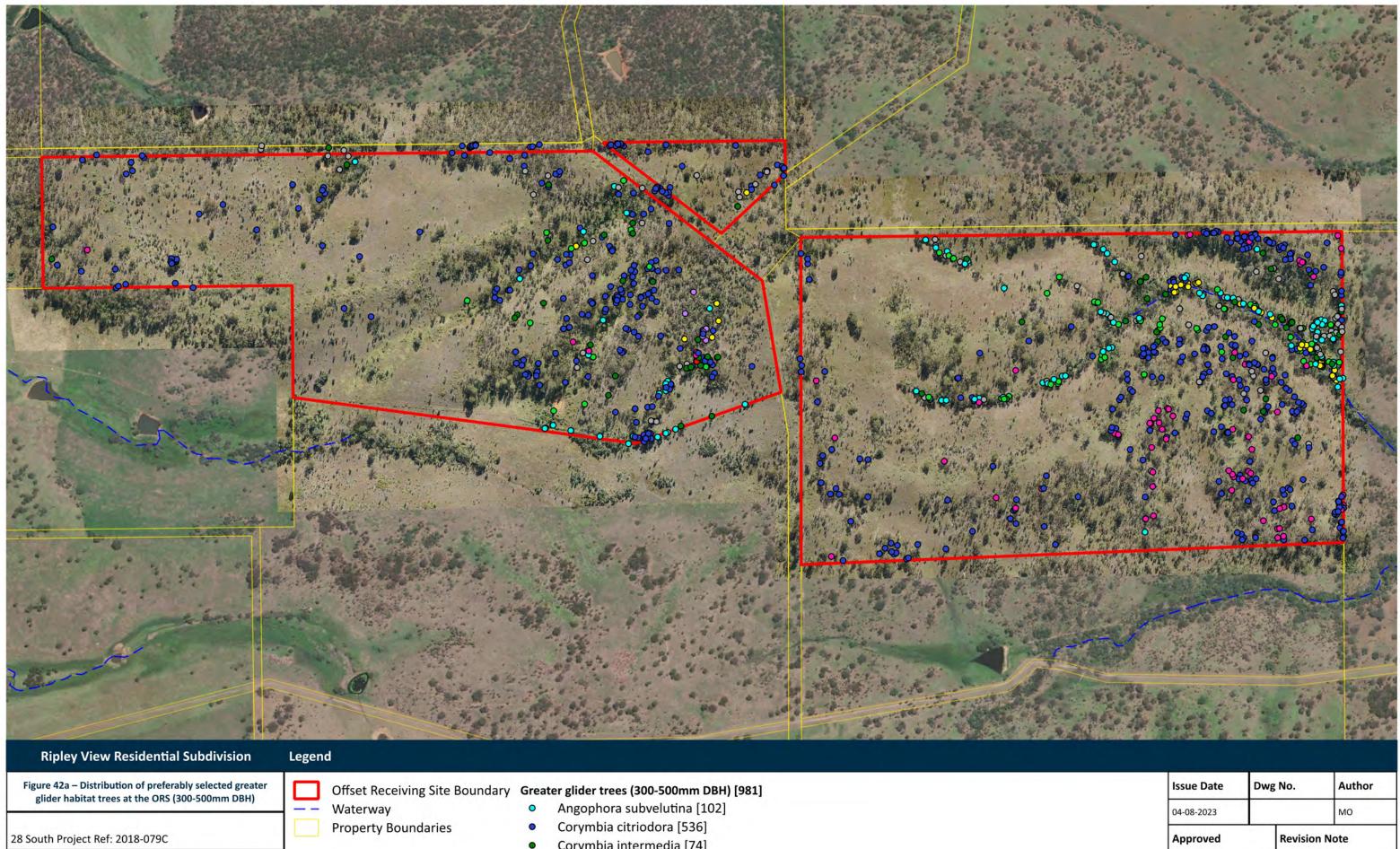
ENVIRONMENTAL

2020); Contours (DNRME 2016).

Issue	e Date	Dwg	No.	Author
04-08-2023				мо
Approved		Revision	Note	
AD				
	(A3) GDA	2020 N	/IGA 56	
	1:	8,000		Δ
0	100	200	300 n	n 🔨
		1		'N







Data Sources: Qld Globe (SIPS 2016); Digital Cadastre Database (Dept. Natural Resources and Mines, 2021); Roads (DNRME, 2020); Watercourse (DNRME, 2020); Contours (DNRME 2016).



- Corymbia intermedia [74]
- Corymbia tessellaris [58] 0
- Corymbia trachyphloia [1] •
- Eucalyptus carnea [6] 0
- Eucalyptus crebra [71] 0
- Eucalyptus tereticornis [95] 0
- 0 Lophostemon suaveolens [38]

Issue	e Date	Dwg	No.	Author
04-08-2023				мо
Approved		Revision I	Note	
AD				
	(A3) GDA	2020 N	/IGA 56	
	1:8	8,000		۸
0	100	200	300 n	n 🔨
	1	1		'N

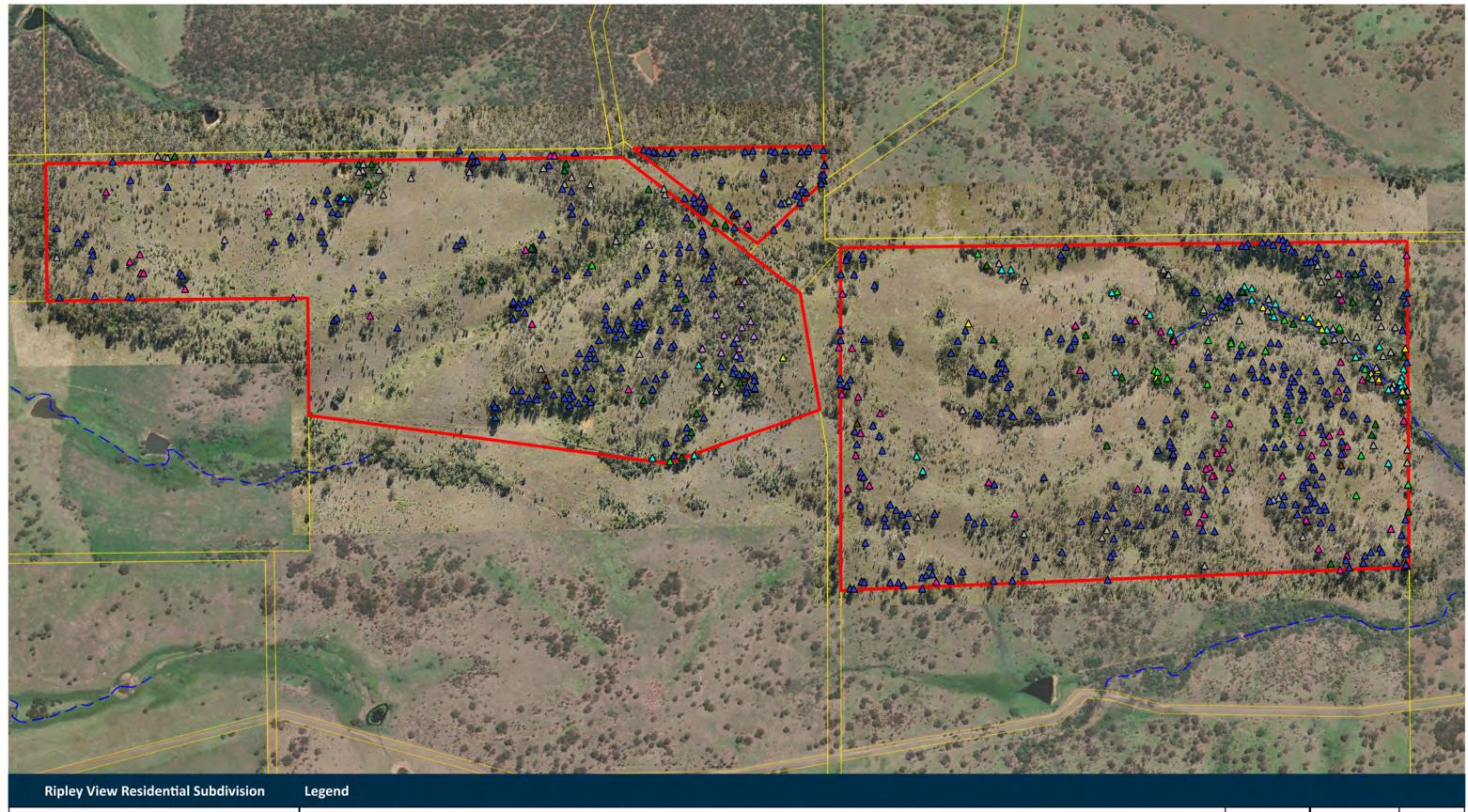


Figure 42b – Distribution of preferably selected greater glider habitat trees at the ORS (500-750mm DBH)

28 South Project Ref: 2018-079C

Data Sources: Qld Globe (SIPS 2016); Digital Cadastre Database (Dept. Natural Resources and Mines, 2021); Roads (DNRME, 2020); Watercourse (DNRME, 2020); Contours (DNRME 2016).



Offset Receiving Site Boundary Greater glider trees (500-750mm DBH) [790]

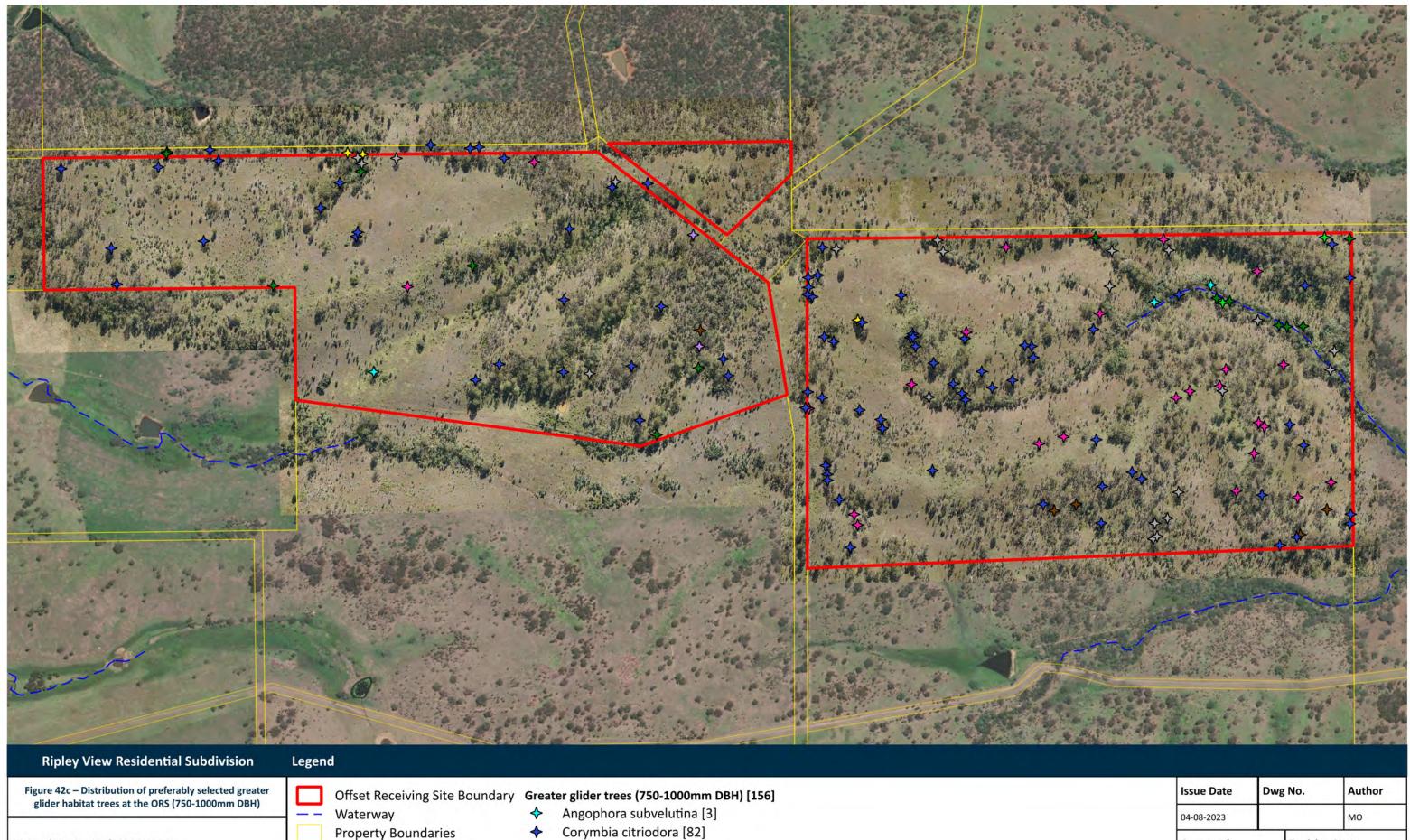
Offset Receiving Site I — - Waterway Property Boundaries

Troperty boundaries

- ▲ Angophora subvelutina [31]
- ▲ Corymbia citriodora [511]
- ▲ Corymbia clarksoniana [1]
- ▲ Corymbia intermedia [43]
- ▲ Corymbia tessellaris [25]
- ▲ Dead tree [6]
- ▲ Eucalyptus carnea [13]
- ▲ Eucalyptus crebra [71]
- ▲ Eucalyptus microcorys [1]
- △ Eucalyptus sp. [1]

- ▲ Eucalyptus tereticornis [76]
- △ Lophostemon suaveolens [11]

Issue	e Date	Dwg	No.	Author
04-08-2023			мо	
Approved		Revision I	Note	
AD				
	(A3) GDA	2020 N	/IGA 56	
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0	100	200	300 n	n 🔨
	1	1		'N



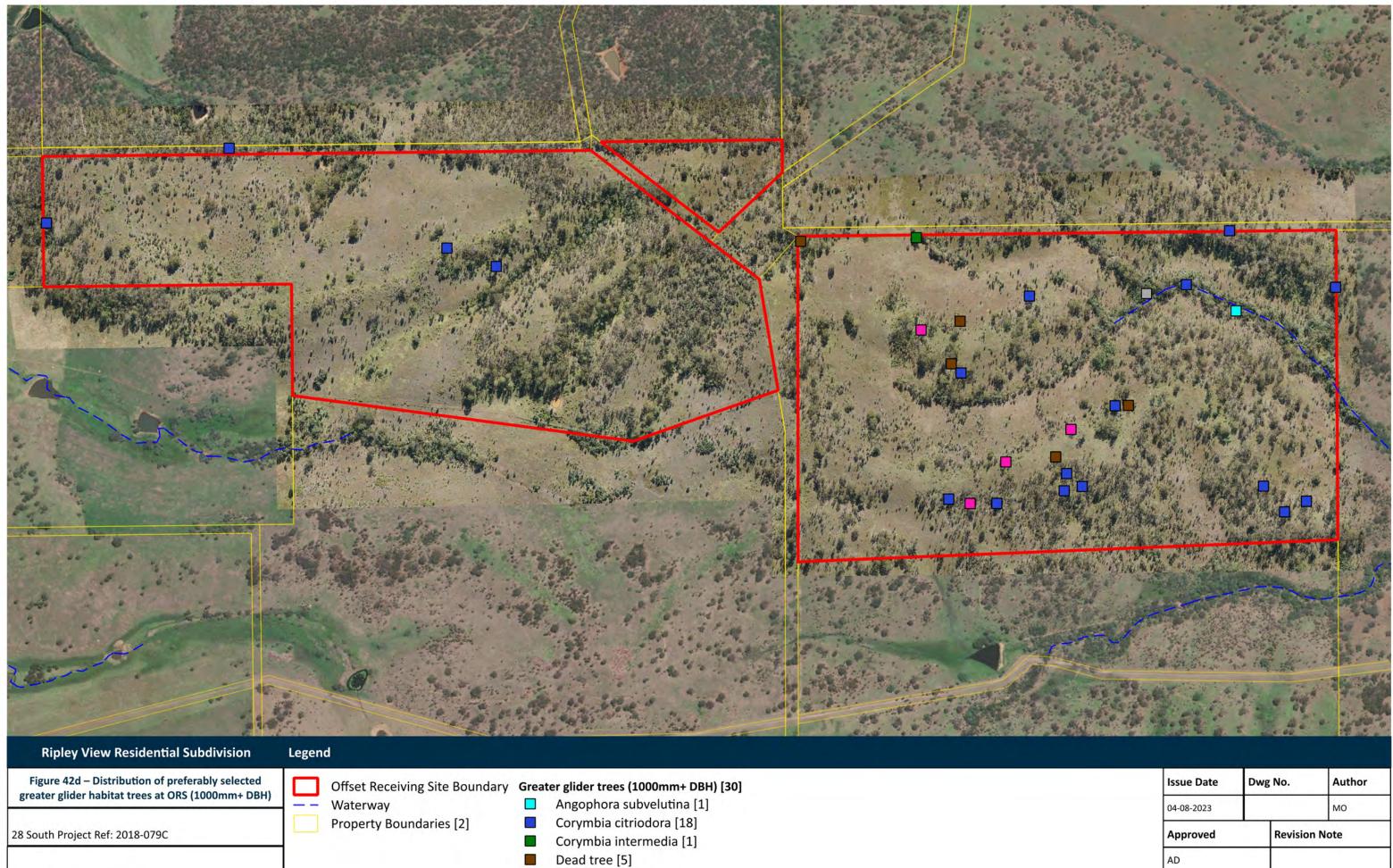
28 South Project Ref: 2018-079C

Data Sources: Qld Globe (SIPS 2016); Digital Cadastre Database (Dept. Natural Resources and Mines, 2021); Roads (DNRME, 2020); Watercourse (DNRME, 2020); Contours (DNRME 2016).



- Corymbia intermedia [14]
- Corymbia tessellaris [2]
- Dead tree [5]
- Eucalyptus carnea [2]
- Eucalyptus crebra [24]
- Eucalyptus tereticornis [21]
- Lophostemon suaveolens [3] \diamond

Issue	e Date Dwg		No.	Author
04-08-2023				мо
Approved		Revision I	Note	
AD				
	(A3) GDA	2020 N	AGA 56	
	1:8	8,000		۸
0	100	200	300 n	n 🔨
1		1		'N



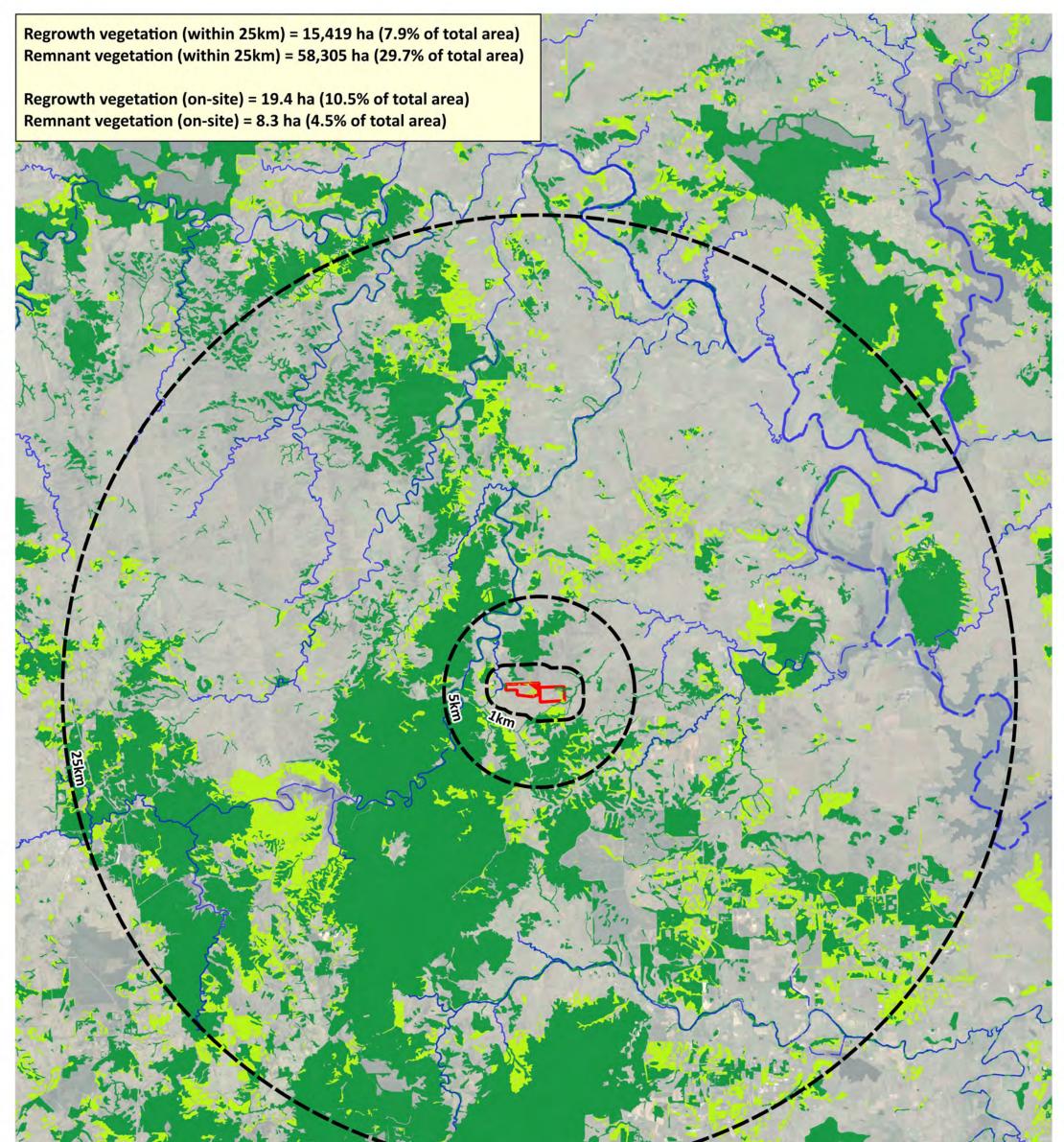
Eucalyptus crebra [4]

Eucalyptus tereticornis [1]

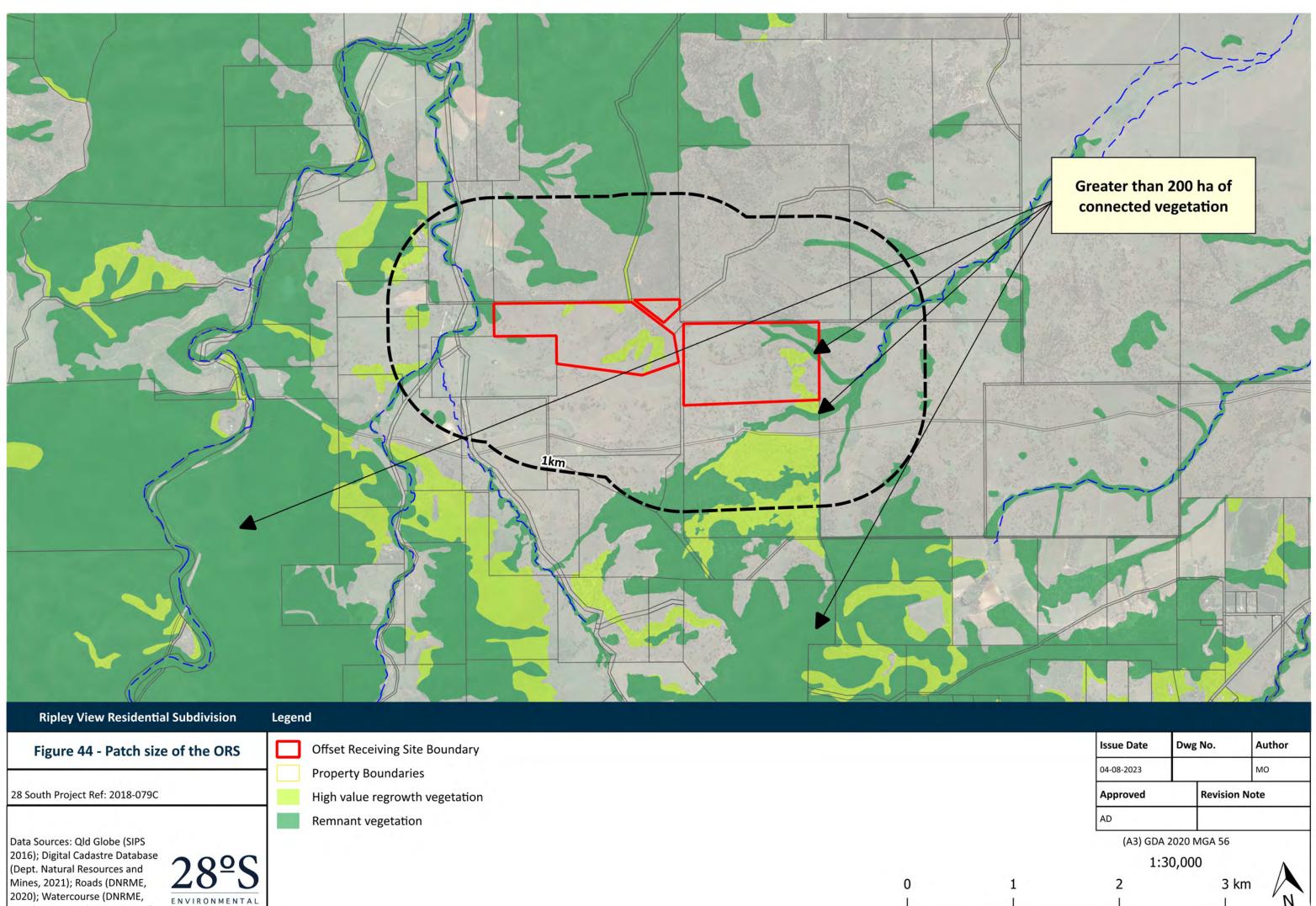
Data Sources: Qld Globe (SIPS 2016); Digital Cadastre Database (Dept. Natural Resources and Mines, 2021); Roads (DNRME, 2020); Watercourse (DNRME, 2020); Contours (DNRME 2016).



Issue Date 04-08-2023		Dwg	No.	Author
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Approved		Revision I	Note	
AD				
	(A3) GDA	2020 N	/IGA 56	
	1:8	8,000		Δ
0	100	200	300 n	n 🔨
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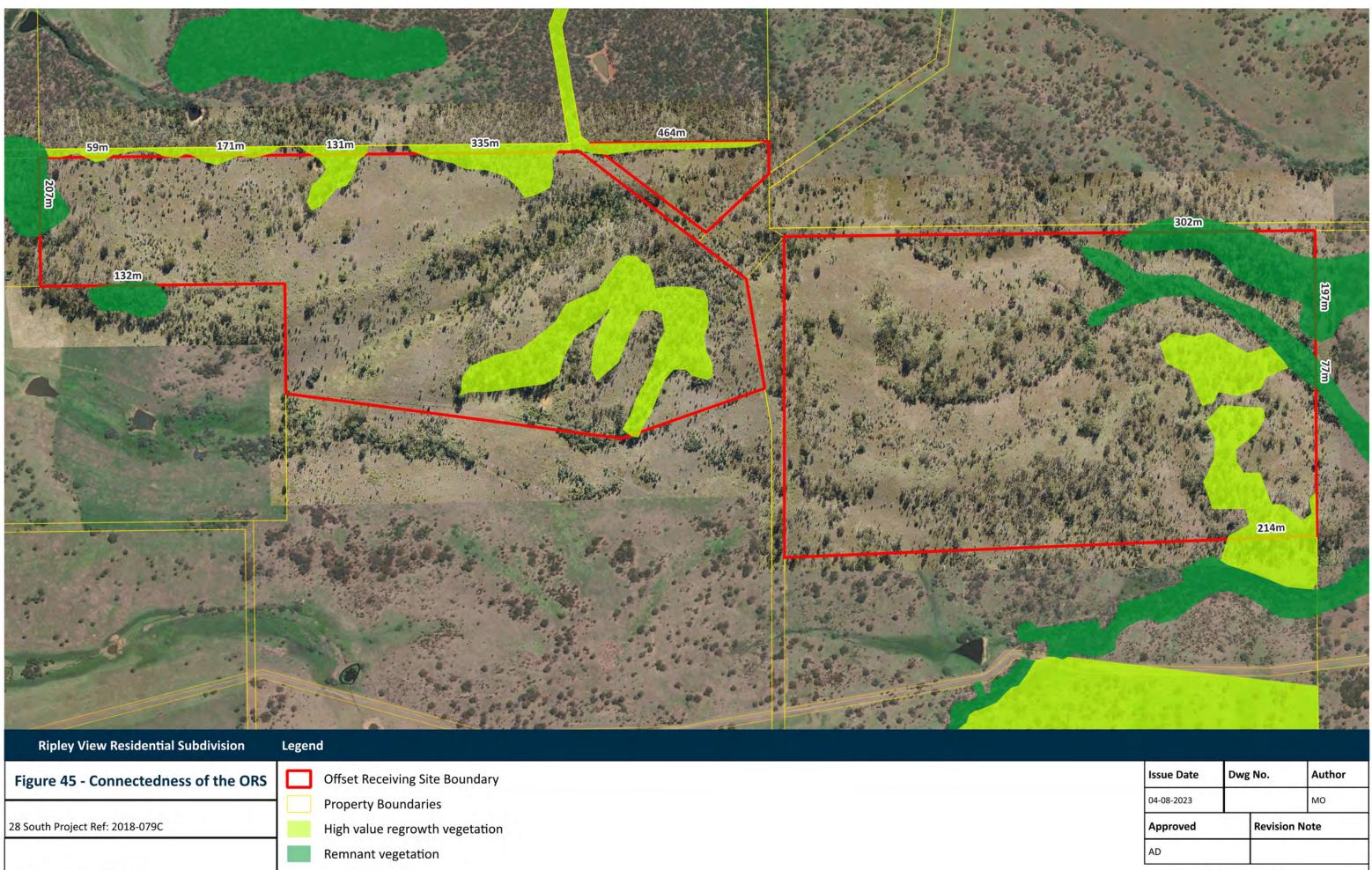


	Contraction of the second seco	ing nation
Ripley View Residential Subdivision	Legend	
Figure 43 - Landscape context of the ORS	Offset Receiving Site Boundary	Issue Date Dwg No. Author
	— — Waterway	07-08-2023 MO
28 South Project Ref: 2018-079C	Major Road	Approved Revision Note
	Road	AD
ata Sources: Qld Globe (SIPS	Regrowth vegetation	(A3) GDA 2020 MGA 56
016); Digital Cadastre Database Dept. Natural Resources and	Remnant vegetation	1:190,000
Mines, 2021); Roads (DNRME,		0 2 4 6 km
2020); Watercourse (DNRME, 2020); Contours (DNRME 2016).		



2020); Contours (DNRME 2016).

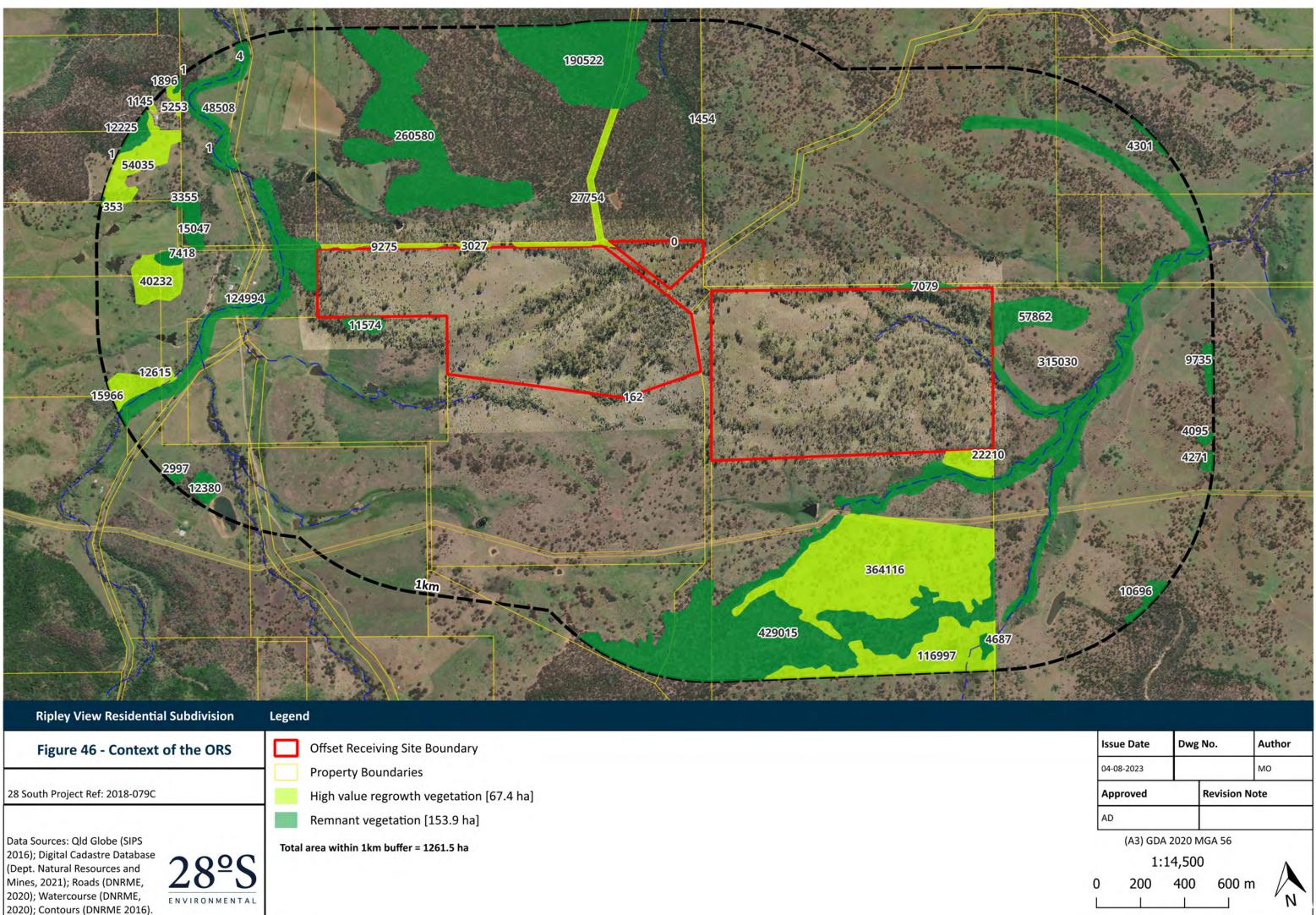
Issue Date	Dwg	No.	Author		
04-08-2023			мо		
Approved		Revision No	on Note		
AD					
(A3) GDA 2	2020 N	/IGA 56			
1:30	0,00	D	Δ		
2		3 km			
1		1	N		



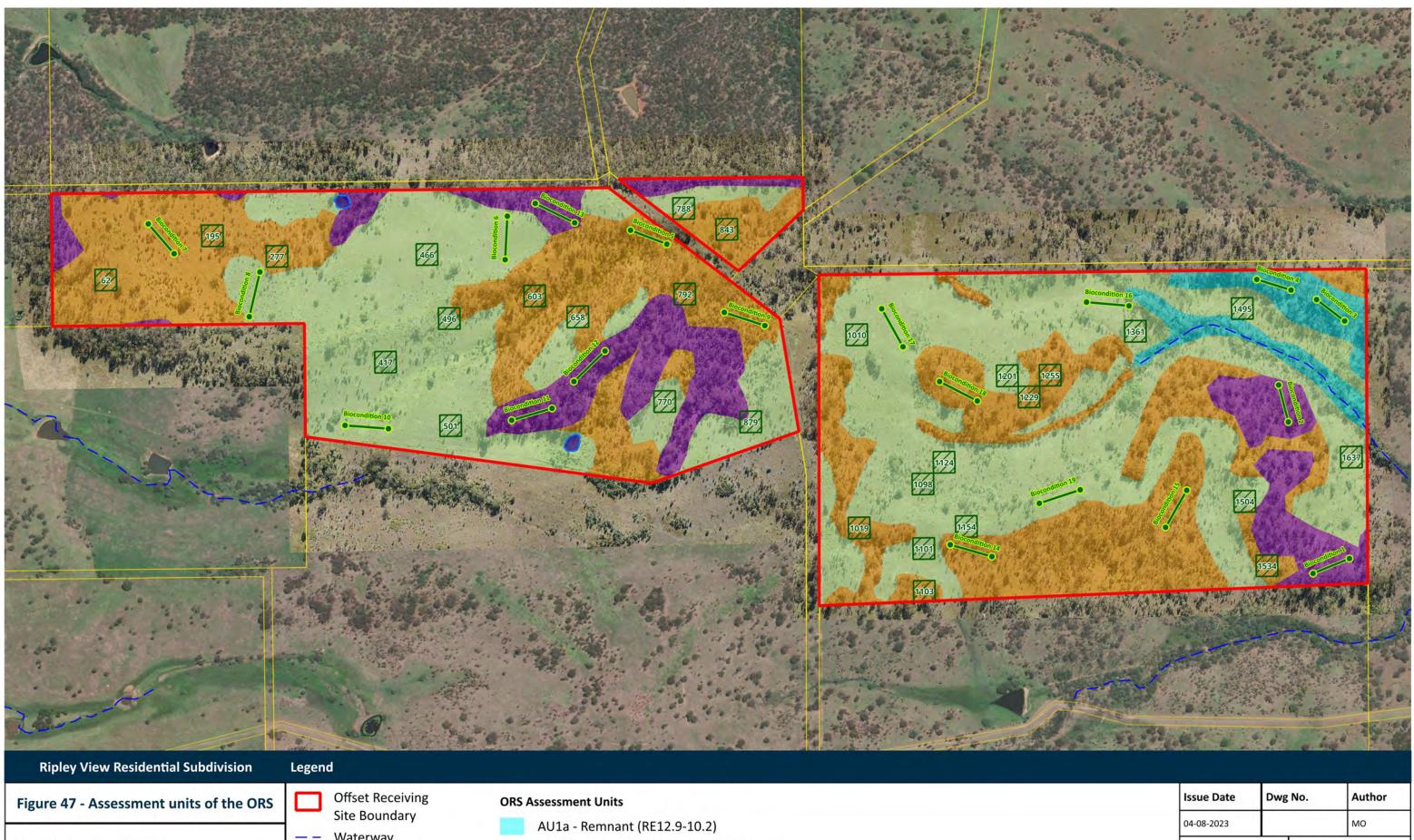
Data Sources: Qld Globe (SIPS 2016); Digital Cadastre Database (Dept. Natural Resources and Mines, 2021); Roads (DNRME, 2020); Watercourse (DNRME, 2020); Contours (DNRME 2016).

OOC ENVIRONMENTAL Total perimeter of ORS = 9,539m

Issue Date 04-08-2023		Dwg	Dwg No. A		uthor		
					0		
Approved			Revisio	n Note	i:		
AD	AD						
(A3) GDA 2	2020 N	MGA 56				
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0	100	200	0 30	0 m			
		1			'N		



Iss	Issue Date 04-08-2023		Dwg No. A		uthor	
04-					C	
Ар	Approved		Revision	Note		
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	(A3) GDA	A 2020 M	AGA 56			
	1:	14,50	0		۸	
0	200	400	600	m		
	-	1			'N	



28 South Project Ref: 2018-079C

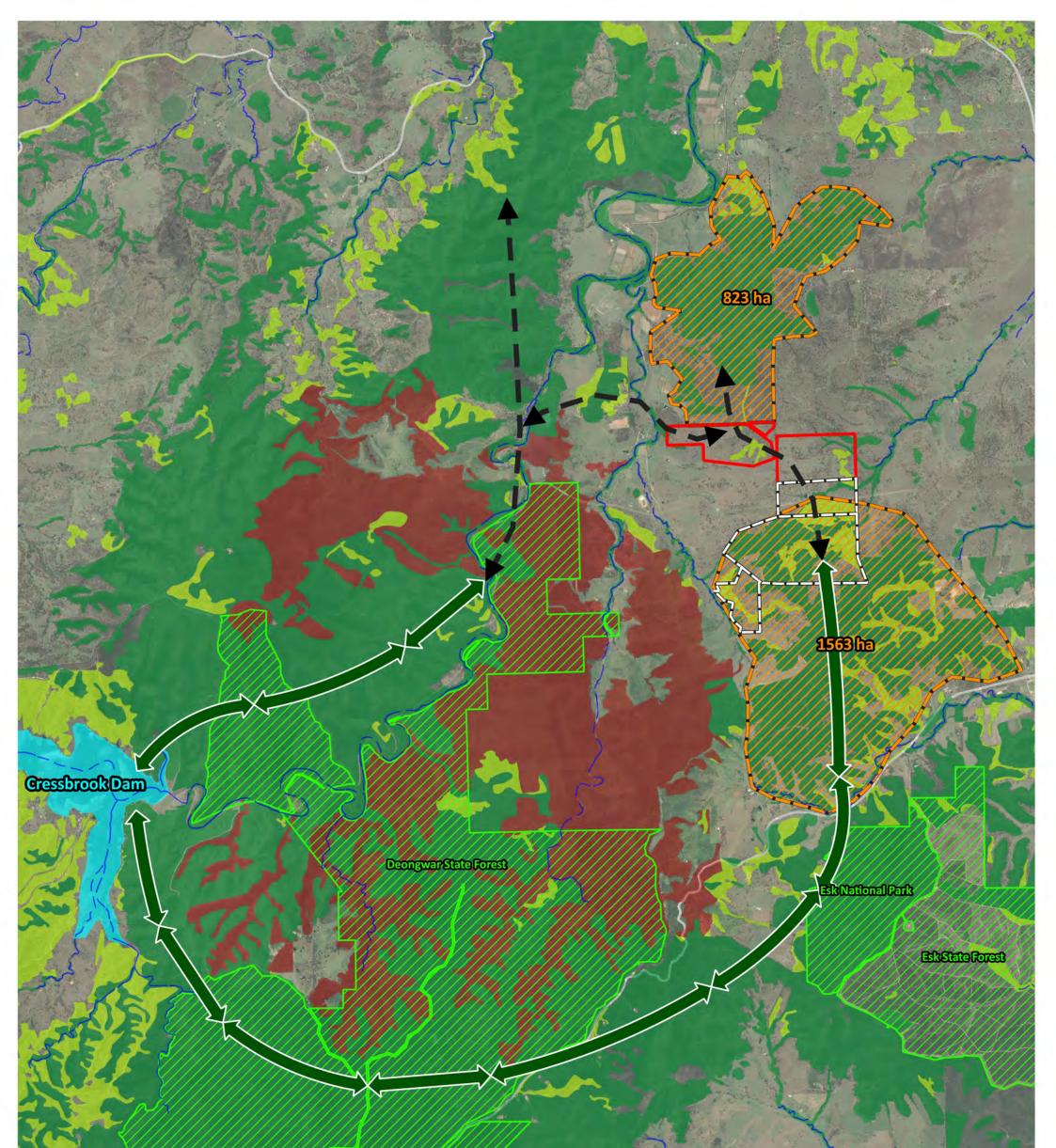
Data Sources: Qld Globe (SIPS 2016); Digital Cadastre Database (Dept. Natural Resources and Mines, 2021); Roads (DNRME, 2020); Watercourse (DNRME, 2020); Contours (DNRME 2016).

inits of the OKS		Site Boundary	
		Waterway	-
		Property Boundaries	
		Farm Dam	
0000	••	MHQA Transect	
28-5		50 x 50m recruitment	
ENVIRONMENTAL		and weed assessment plot	

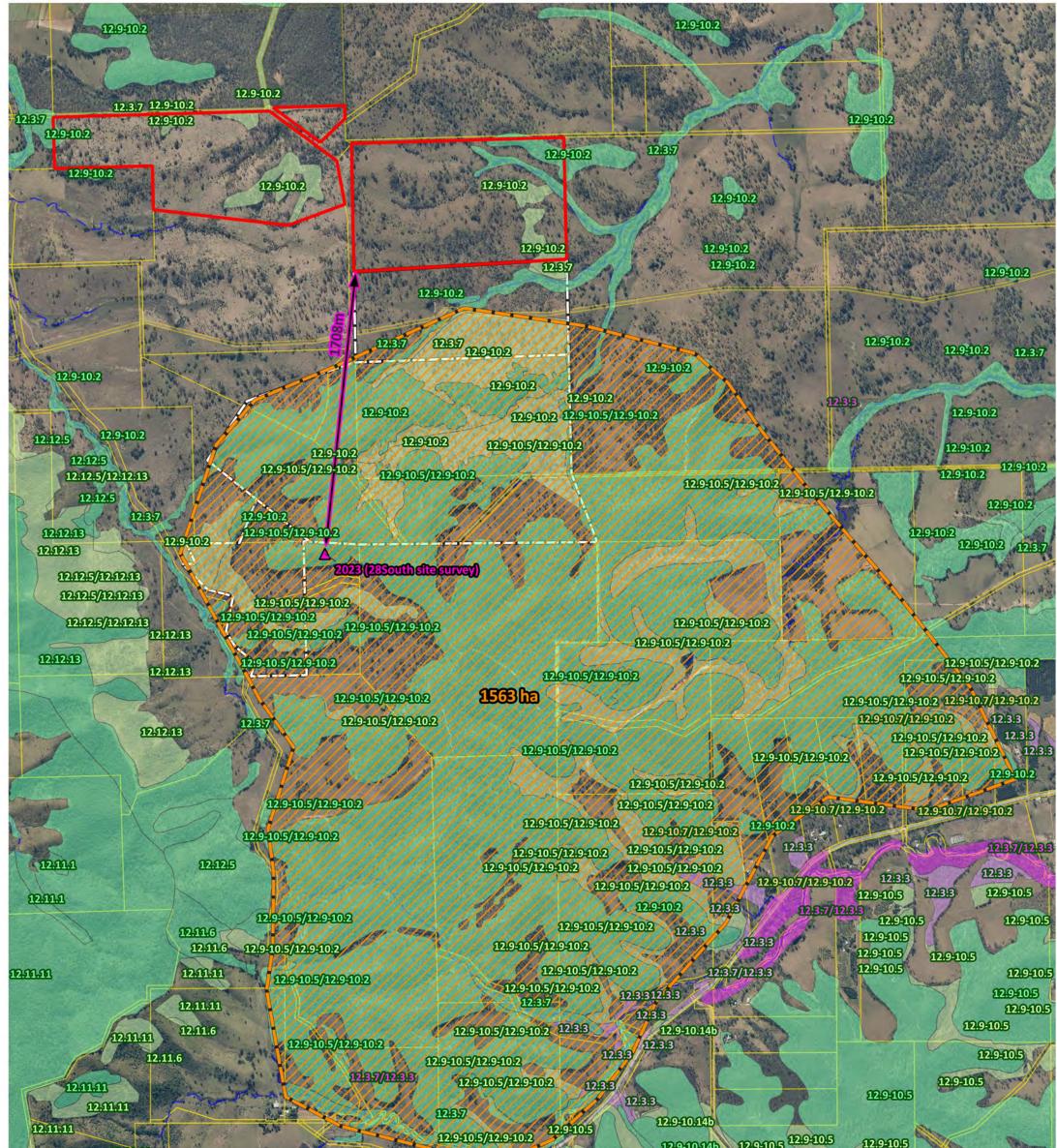
AU1b - High Value Regrowth (RE12.9-10.2)

- AU2 Young Regrowth (preclear RE12.9-10.2)
- AU3 Pastural Grassland (preclear RE12.9-10.2)

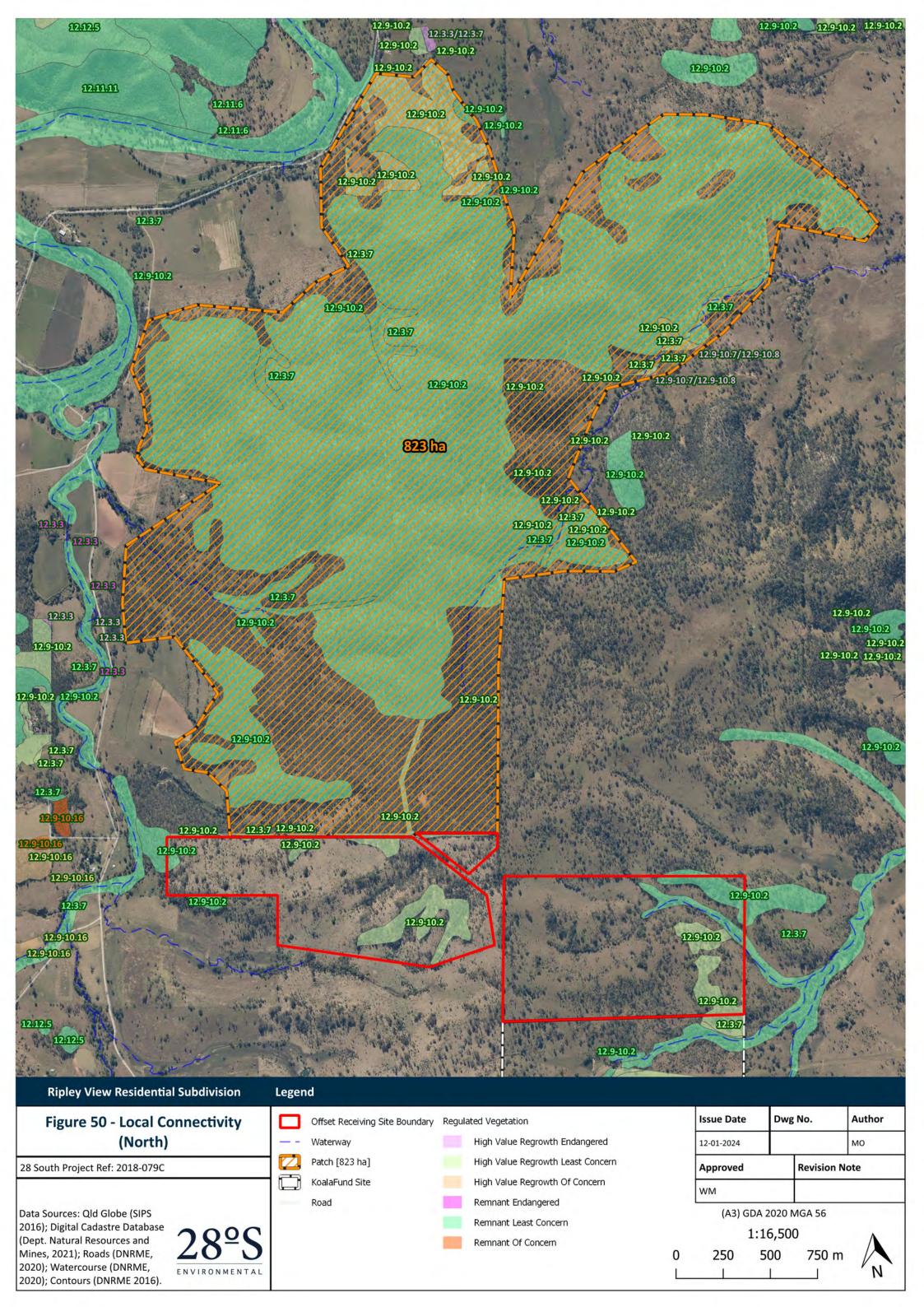
Issue Date 04-08-2023		Dwg	No.	Author			
Approved			Revision	sion Note			
AD	AD						
(A3) GDA	2020 N	1GA 56				
	1:8	,000			Δ		
0	100	200	300	m			
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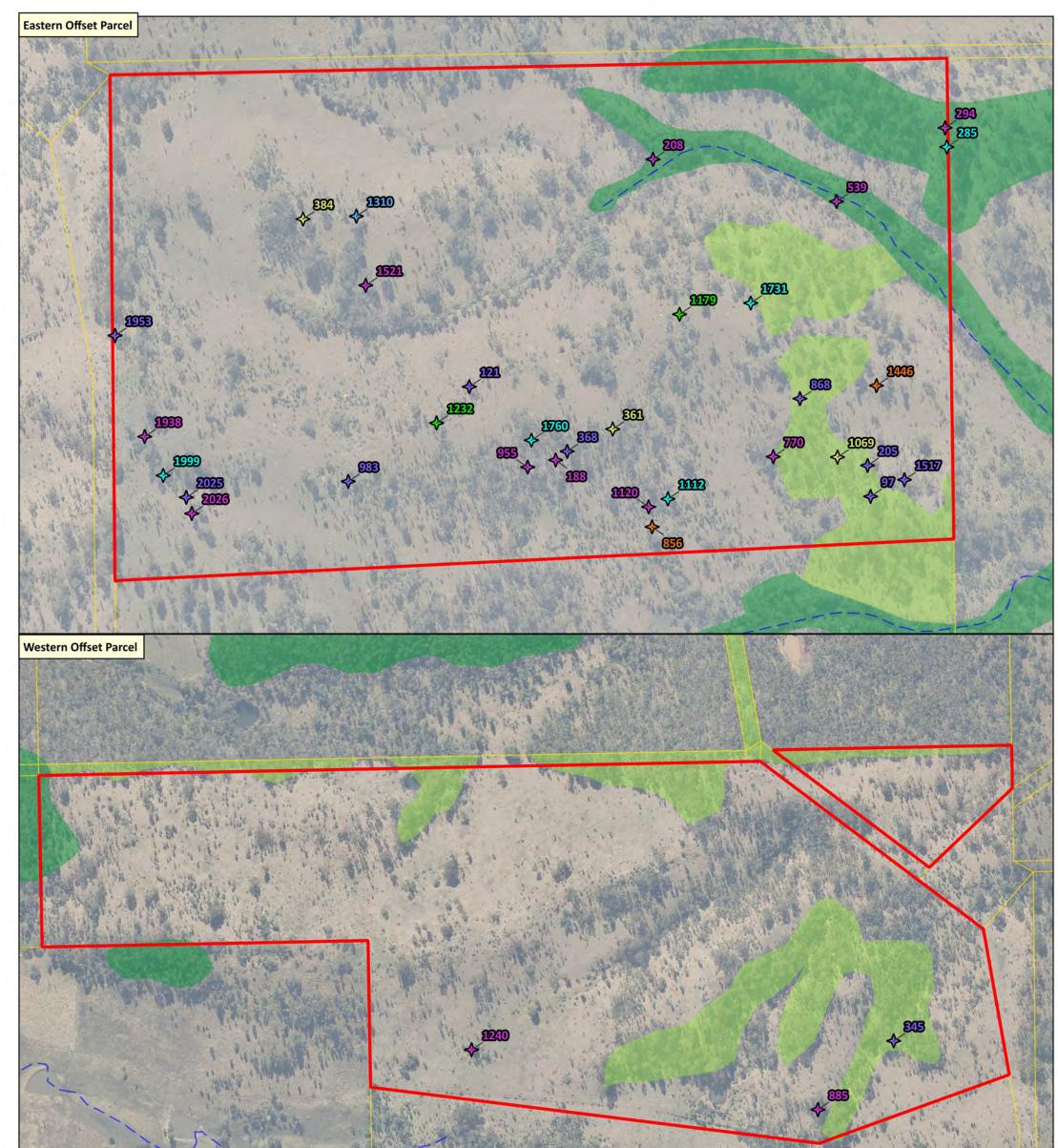


Ripley View Residential Subdivision	Legend			and a second		1-4
Figure 48 – Cressbrook Dam Greater	Offset Receiving Site Boundary			Issue Date	Dwg No.	Author
glider Connection Corridor	C KoalaFund Site Road		Γ	12-01-2024		мо
28 South Project Ref: 2018-079C	Waterway Cressbrook Dam			Approved	Rev	ision Note
	 QLD Protected Areas Greater glider regrowth regional ecosystems (as per Eyre et al 2022) Greater glider remnant regional ecosystems (as per Eyre et al 2022) 			AD		
Data Sources: Qld Globe (SIPS				(A3) GDA	A 2020 MGA	56
2016); Digital Cadastre Database Dept. Natural Resources and	Vine forest regional ecosystem not suitable for Greater gliders			1:	58,000	۸
Mines, 2021); Roads (DNRME, 20	 Patch [823 ha] Greater glider movement corridor 	0	1	2	3 km	
2020); Watercourse (DNRME, 2020); Contours (DNRME 2016).	 Fragmentation - Revegetation will improve moevement opportunities 	L	1			'N



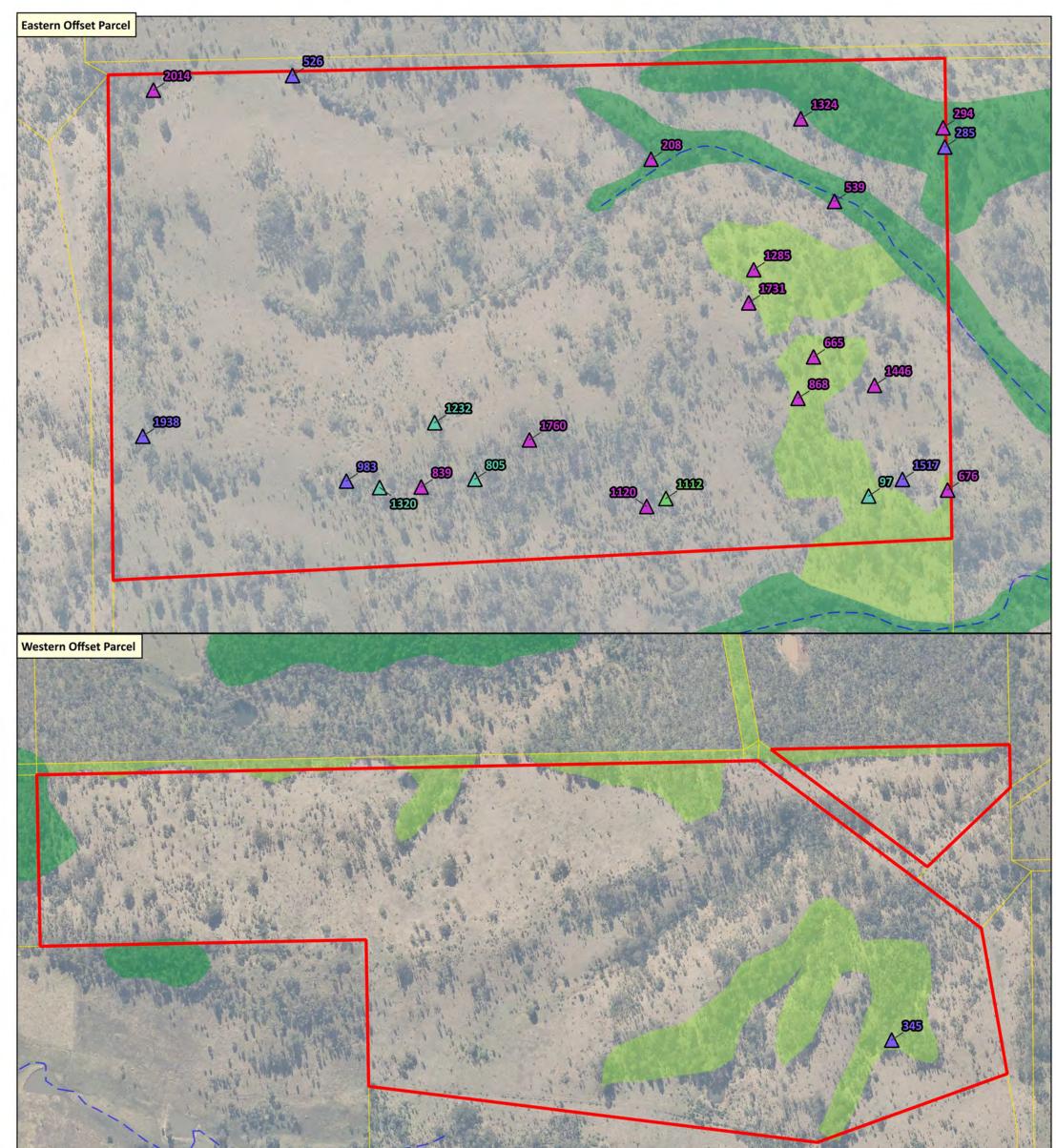
12.11.11 12.11.11 12.11.11 12.9-10.16 12.3.7/12.3.3 12.11.11 12.11.11 12.910.2 12.910.2 12.910.2 12.910.2 12.910.2	12.3.7/12.3.3 12.9-10.2 12.9-10.2 12.9-10.2 12.9-10.2 12.9-10.2 12.9-10.2 12.9-10.2	1219-10.5 1219-101415 1219-1015 1219-10.5 1219-101415	0.5	12.9-10.5	
Figure 49 - Greater glider record and	Offset Receiving Site Boundary	Regulated Vegetation	Issue Date	Dwg No.	Author
Local Connectivity (South)	Property Boundaries	High Value Regrowth Endangered	12-01-2024	1	мо
28 South Project Ref: 2018-079C	- Road — Waterway	High Value Regrowth Least Concern High Value Regrowth Of Concern	Approved	Revision	Note
	▲ 28 South Environmental Greater glider site survey record (May 2023)	Remnant Endangered	WM		
Data Sources: Qld Globe (SIPS 2016); Digital Cadastre Database (Dept. Natural Resources and Mines, 2021); Roads (DNRME, 2020); Watercourse (DNRME, 2020); Contours (DNRME 2016).	KoalaFund Site Patch [1,563 ha]			2020 MGA 56 22,000 0 500 750	m / N







Ripley View Residential Subdivision Legend Figure 51 - Trees with Dwg No. **Issue Date** Offset Receiving Site Boundary Trees with suitable Greater glider hollows Author **Property Boundaries Suitable Hollows** Tree with 1 hollow [12] мо 12-01-2024 Waterway Tree with 2 hollows [10] 28 South Project Ref: 2018-079C **Revision Note** Approved Tree with 3 hollows [5] WM Tree with 4 hollows [2] Data Sources: Qld Globe (SIPS (A3) GDA 2020 MGA 56 2016); Digital Cadastre Database (Dept. Natural Resources and Tree with 5 hollows [3] 1:5,500 Tree with 6 hollows [2] 200 Mines, 2021); Roads (DNRME, 100 300 m 0 ENVIRONMENTAL Note: While ID numbers fall Tree with 7 hollows [1] 2020); Watercourse (DNRME, outside the site boundary, all tree 1 T 2020); Contours (DNRME 2016). points are within the boundary.





Ripley View Residential Subdivision

Figure 51 - Trees with Amendably **Suitable Hollows**

28 South Project Ref: 2018-079C

Data Sources: Qld Globe (SIPS 2016); Digital Cadastre Database (Dept. Natural Resources and Mines, 2021); Roads (DNRME, 2020); Watercourse (DNRME, 2020); Contours (DNRME 2016).



Offset Receiving Site Boundary

Property Boundaries

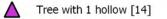
Waterway

Legend

_

Δ

Trees with amendably suitable Greater glider hollows



Tree with 2 hollows [6]

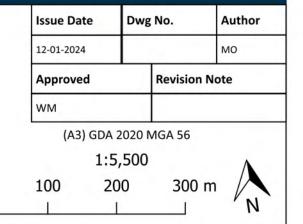
Tree with 3 hollows [4] Δ

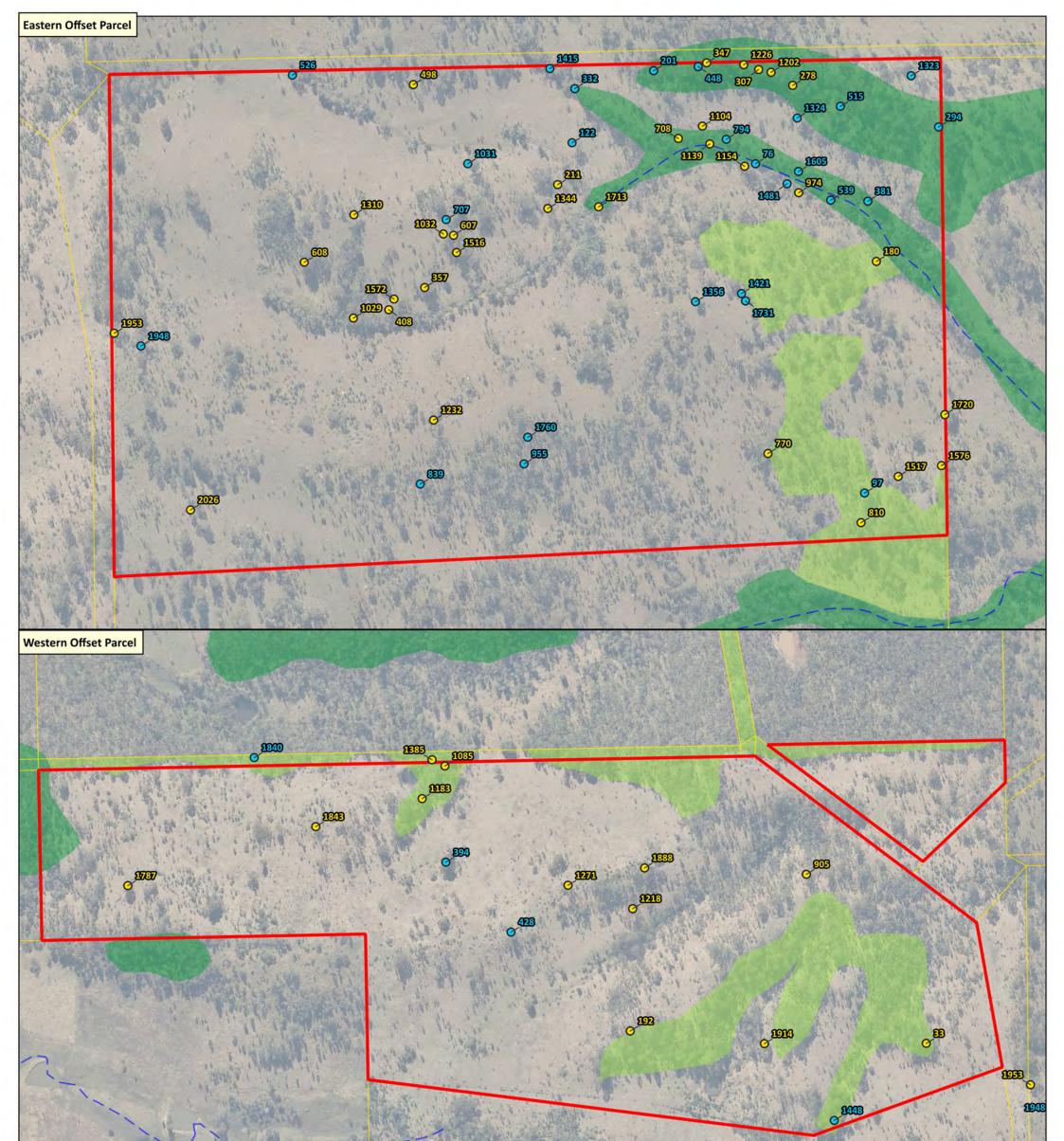
Note: While ID numbers fall outside the site boundary, all tree points are within the boundary.

Regulated Vegetation Regrowth Vegetation

Remnant Vegetation

0







Ripley View Residential Subdivision

Figure 53 - Arbor Australis **Constructed Hollows**

28 South Project Ref: 2018-079C

Data Sources: Qld Globe (SIPS 2016); Digital Cadastre Database (Dept. Natural Resources and Mines, 2021); Roads (DNRME, 2020); Watercourse (DNRME, 2020); Contours (DNRME 2016).



- Offset Receiving Site Boundary **Property Boundaries**
- Waterway

Legend

Arbor Australis Constructed Hollows [74]

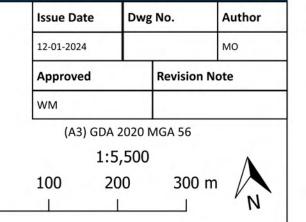
- 0 Chainsaw Cut Hollow [44]
- Hollowhog Cut Hollow [30] 0

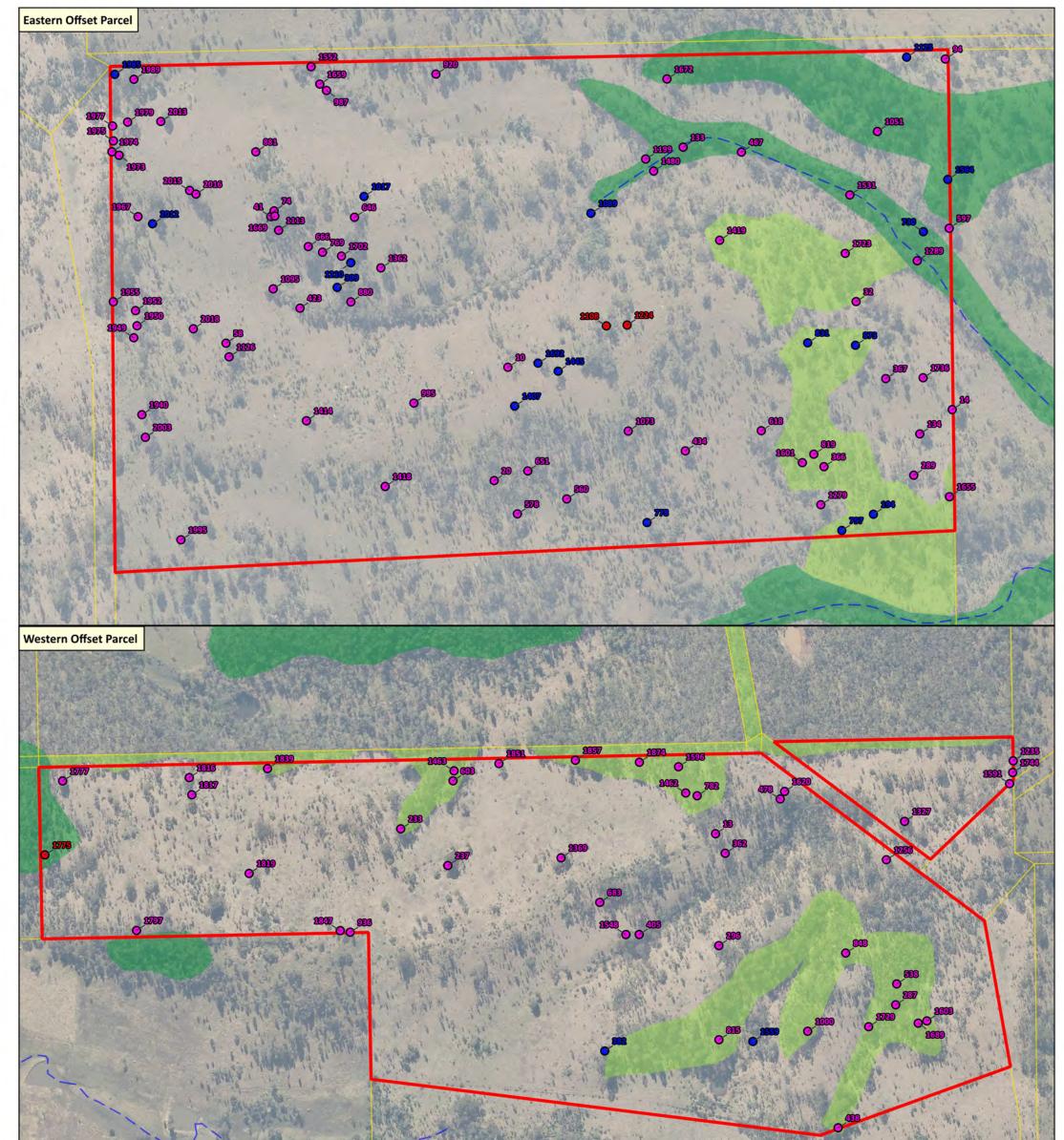
Regulated Vegetation Regrowth Vegetation

Remnant Vegetation

0

T







Ripley View Residential Subdivision

Figure 54 - Other Late Mature and Over-Mature Trees

28 South Project Ref: 2018-079C

Data Sources: Qld Globe (SIPS 2016); Digital Cadastre Database (Dept. Natural Resources and Mines, 2021); Roads (DNRME, 2020); Watercourse (DNRME, 2020); Contours (DNRME 2016).



Offset Receiving Site Boundary Property Boundaries

Waterway

Legend

_

Other Late Mature and Over Mature Trees [134]

- 701 900 [112] 0
- 901 1100 [19] 0
- 1101 1400 [3] •

Note: While ID numbers fall outside the site boundary, all tree points are within the boundary.

Regulated Vegetation Regrowth Vegetation

Remnant Vegetation

0

