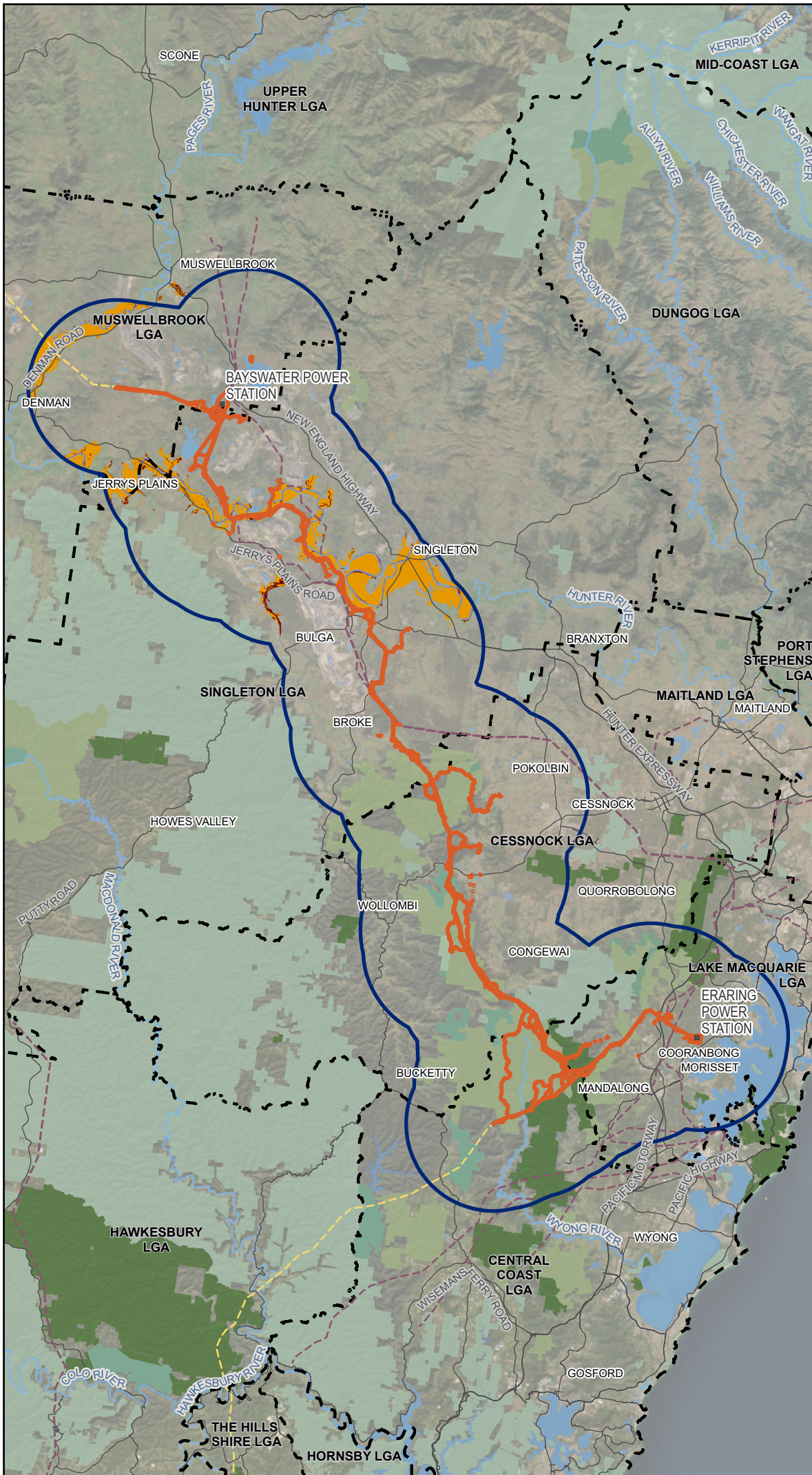


Figure 14.15a
Hunter Floodplain Red Gum Woodland
analysis



Legend

- Biodiversity study area
- 10km locality buffer
- Existing environment
- Road
- Power station
- - 330 kV transmission line
- - 500 kV transmission line
- River
- Waterbody
- NPWS reserve
- State conservation area
- Flora reserve
- State forest
- Local government area
- PCT4089 - Hunter Floodplain Red Gum Woodland
- SVTM NSW 1750 extent
- SVTM NSW current extent (release C2.0.M2.1) Nov 24



Coordinate system: GDA2020 MGA Zone 56
Scale ratio correct when printed at A4

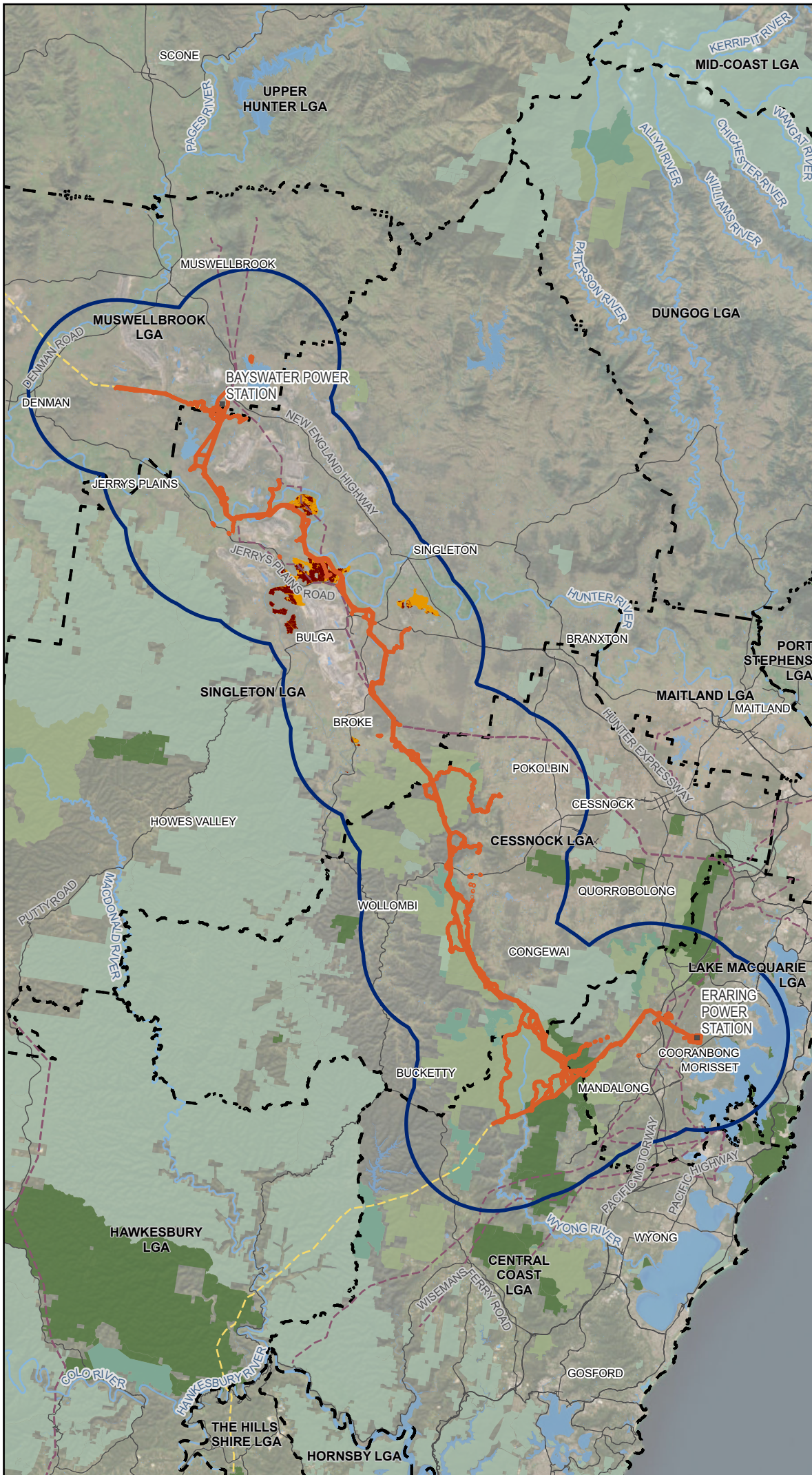


1:600,000 Date: 9/01/2026

Data sources: EMM, Beca, Geoscience Australia, NSW State Government, WSP
World Imagery: Earthstar Geographics

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Figure 14.15b
Warkworth Sands Woodland analysis



Legend

- Biodiversity study area
- 10km locality buffer
- Existing environment
- Road
- Power station
- - 330 kV transmission line
- - 500 kV transmission line
- River
- Waterbody
- NPWS reserve
- State conservation area
- Flora reserve
- State forest
- Local government area
- PCT3636 - Warkworth Sands Woodland
- SVTM NSW 1750 extent
- SVTM NSW current extent (release C2.0.M2.1) Nov 24



Coordinate system: GDA2020 MGA Zone 56
Scale ratio correct when printed at A4

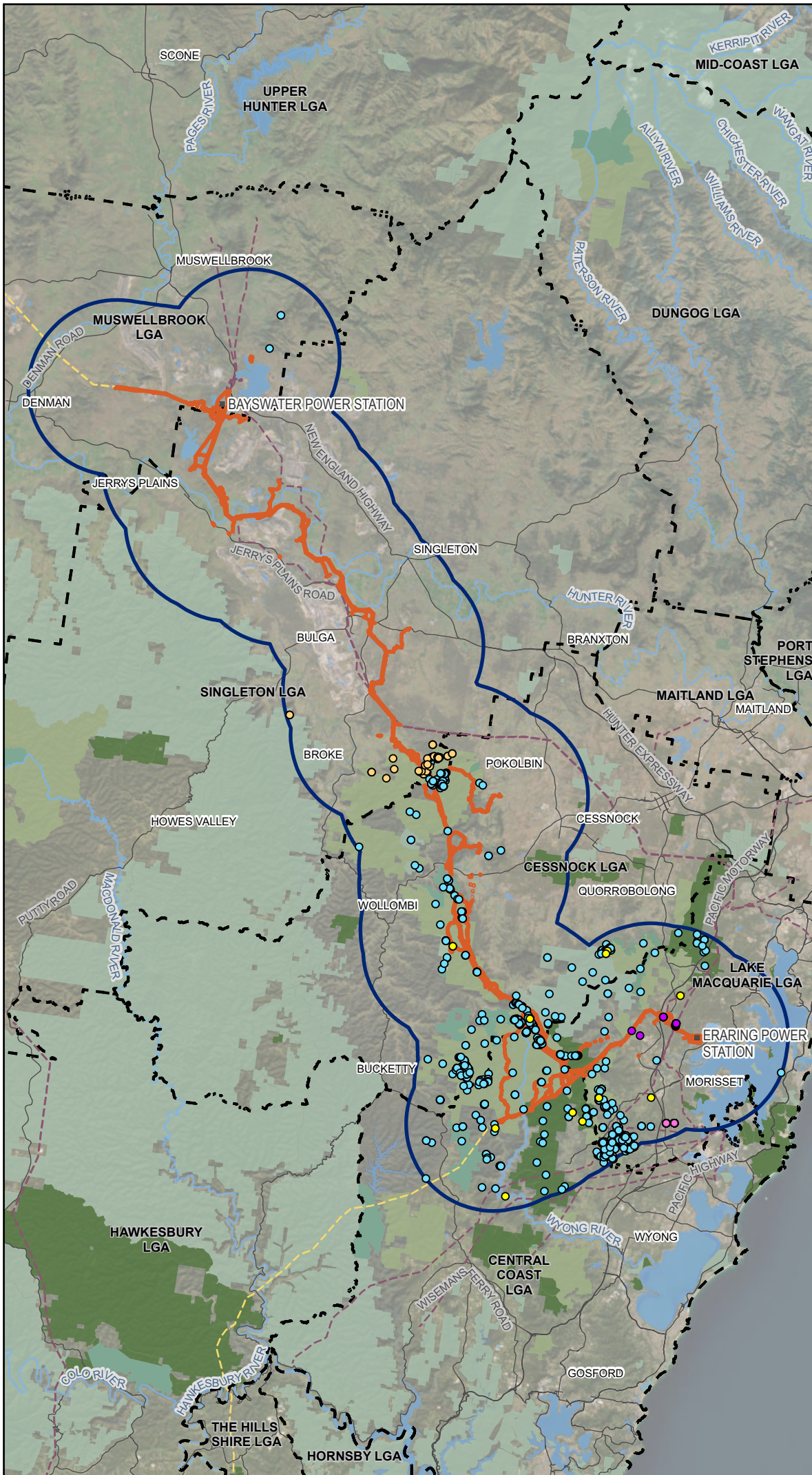


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Data sources: EMM, Beca, Geoscience Australia, NSW State Government, WSP
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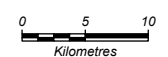
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Figure 14.15c
Current occurrence of SAIL flora



Legend

- Biodiversity study area
- 10km locality buffer
- Existing environment
- Road
- Power station
- - - 330 kV transmission line
- - - 500 kV transmission line
- River
- Waterbody
- NPWS reserve
- State conservation area
- Flora reserve
- State forest
- ▭ Local government area
- Current occurrence of SAIL flora
- *Eucalyptus fracta*
- *Genoplesium branwhiteorum*
- *Genoplesium insigne*
- *Rhodamnia rubescens*
- *Rhodomyrtus psidioides*



Coordinate system: GDA2020 MGA Zone 56
Scale ratio correct when printed at A4

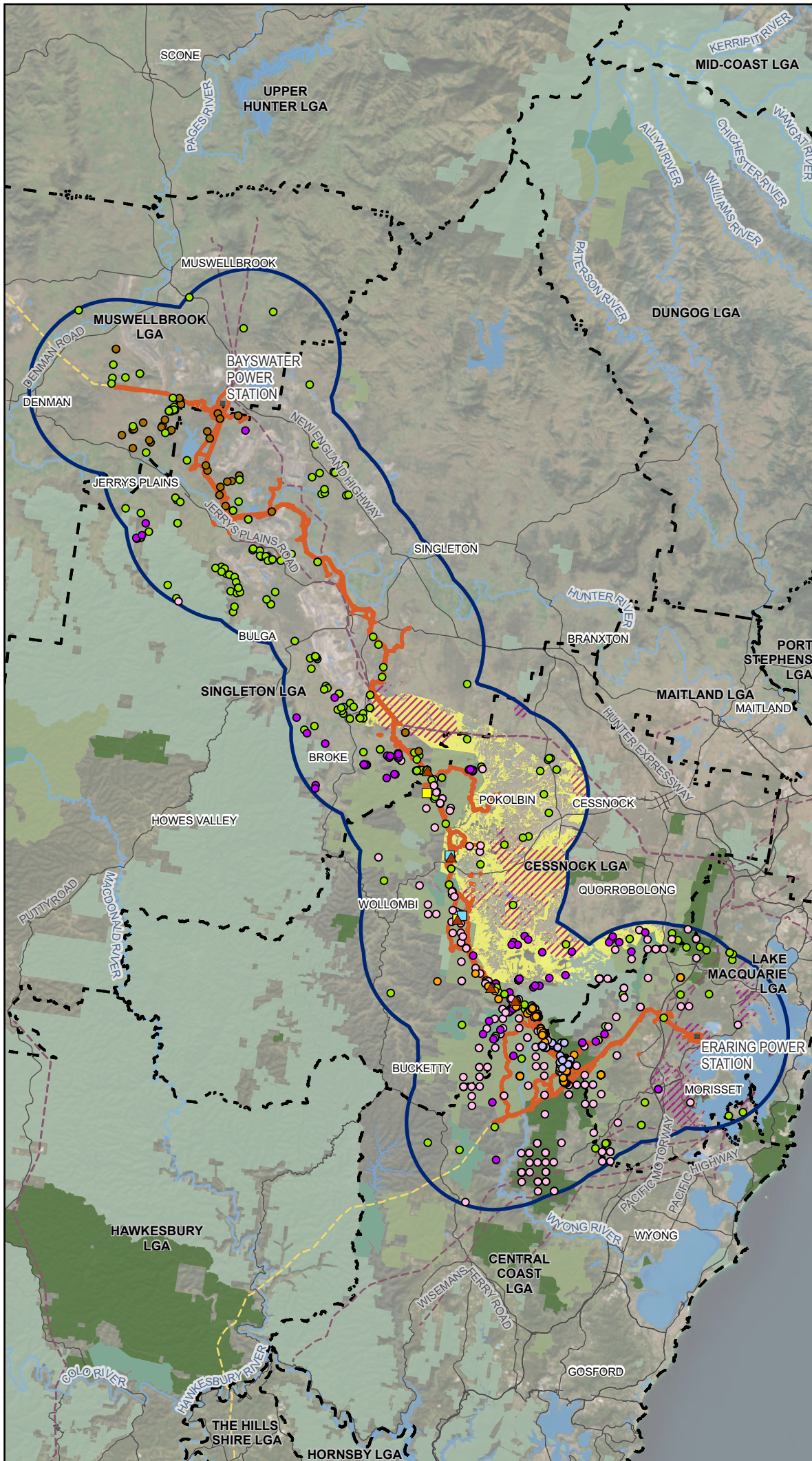


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Data sources: EMM, Beca, Geoscience Australia, NSW State Government, WSP
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Figure 14.15d
Current occurrence of SAIL fauna



Legend

- Biodiversity study area
- 10km locality buffer
- Existing environment
- Road
- Power station
- - - 330 kV transmission line
- - - 500 kV transmission line
- River
- Waterbody
- NPWS reserve
- State conservation area
- Flora reserve
- State forest
- ▭ Local government area
- Current occurrence of SAIL fauna
- Brush-tailed Rock-wallaby
- Large-eared Pied Bat
- Sooty Owl
- Stuttering Frog
- Sooty Owl cave
- Likely Sooty Owl cave
- ▲ Large-eared Pied Bat breeding site
- Current occurrence of important mapped habitat
- ▨ Swift Parrot
- ▨ Regent Honeyeater
- Additional threatened species
- Hunter Valley Delma
- Littlejohn's Tree Frog



Coordinate system: GDA2020 MGA Zone 56
Scale ratio correct when printed at A4



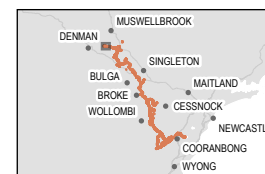
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Data sources: EMM, Beca, Geoscience Australia, NSW State Government, WSP
World Imagery: Earthstar Geographics

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Legend

- Biodiversity study area
- Subject land
- Existing environment
- Road
- - - 500 kV transmission line
- Named watercourse
- Waterbody
- Local government area
- Offset not required
- Offset required



Coordinate system: GDA2020 MGA Zone 56

Scale ratio correct when printed at A4



1:25,000 Date: 29/01/2026

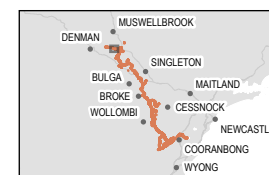
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Legend

- Biodiversity study area
- Subject land
- 500 kV transmission line
- Named watercourse
- Waterbody
- Local government area
- Offset not required
- Offset required



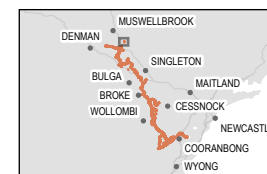
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Legend

- Biodiversity study area
- Subject land
- Existing environment
- Road
- - - 330 kV transmission line
- Named watercourse
- Waterbody
- Local government area
- Offset not required
- Offset required



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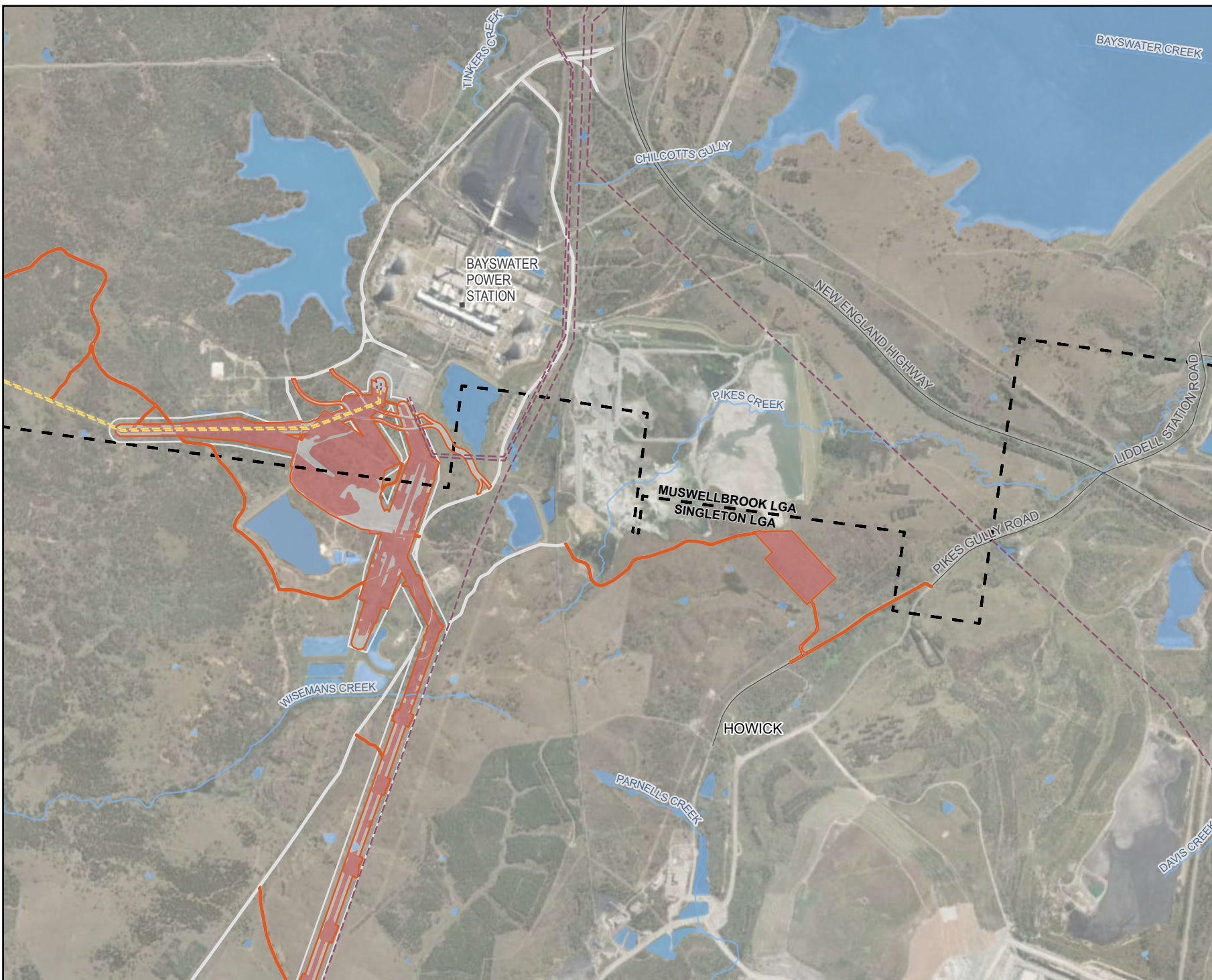
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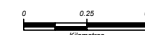
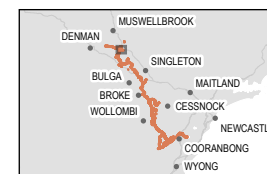
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Legend

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- Road
- Power station
- 330 kV transmission line
- 500 kV transmission line
- Named watercourse
- Waterbody
- Local government area
- Offset not required
- Offset required



Coordinate system: GDA2020 MGA Zone 56

Scale ratio correct when printed at A4



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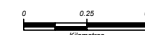
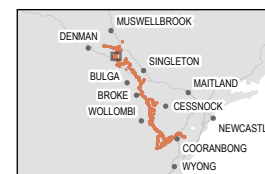
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Legend

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- Existing environment
- Road
- - - 330 kV transmission line
- - - Named watercourse
- Waterbody
- Local government area
- Offset not required
- Offset required



Coordinate system: GDA2020 MGA Zone 56

Scale ratio correct when printed at A4



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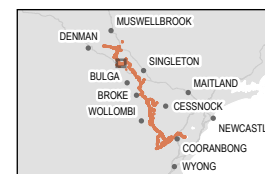
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- Waterbody
- Local government area
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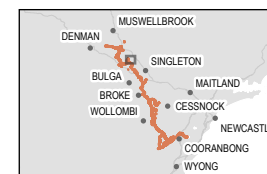
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Legend

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- Road
- - - 330 kV transmission line
- Named watercourse
- Waterbody
- Local government area
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- Offset required



Coordinate system: GDA2020 MGA Zone 56
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GDA 2020 1:30,000 Date: 29/01/2026
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- Legend**
- Biodiversity study area
 - Subject land
 - Existing environment
 - Road
 - - - 330 kV transmission line
 - Named watercourse
 - Waterbody
 - Local government area
 - Offset not required
 - Offset required



Coordinate system: GDA2020 MGA Zone 56
Scale ratio correct when printed at A4

1:30,000 Date: 29/01/2026

Data sources: EMM, Beca, Geoscience Australia, NSW State Government, WSP
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Legend

- Biodiversity study area
- Subject land
- Existing environment
- Road
- - - 330 kV transmission line
- Named watercourse
- Waterbody
- Local government area
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- Offset required



Coordinate system: GDA2020 MGA Zone 56
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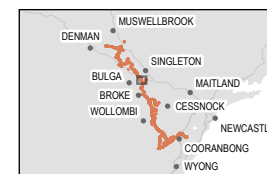
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Legend

- Biodiversity study area
- Subject land
- Existing environment
- Road
- 330 kV transmission line
- Named watercourse
- Waterbody
- Local government area
- Offset not required
- Offset required



0 0.25 0.5
Kilometres



Coordinate system: GDA2020 MGA Zone 56

Scale ratio correct when printed at A4



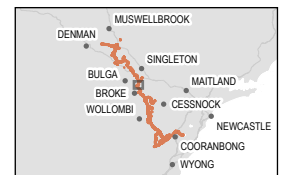
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Data sources: EMM, Beca, Geoscience Australia, NSW State Government, WSP
World Imagery: Earthstar Geographics

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- Legend**
- Biodiversity study area
 - Subject land
 - Existing environment
 - Road
 - - - 330 kV transmission line
 - Named watercourse
 - Waterbody
 - Local government area
 - Offset not required
 - Offset required



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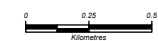
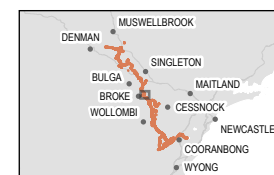
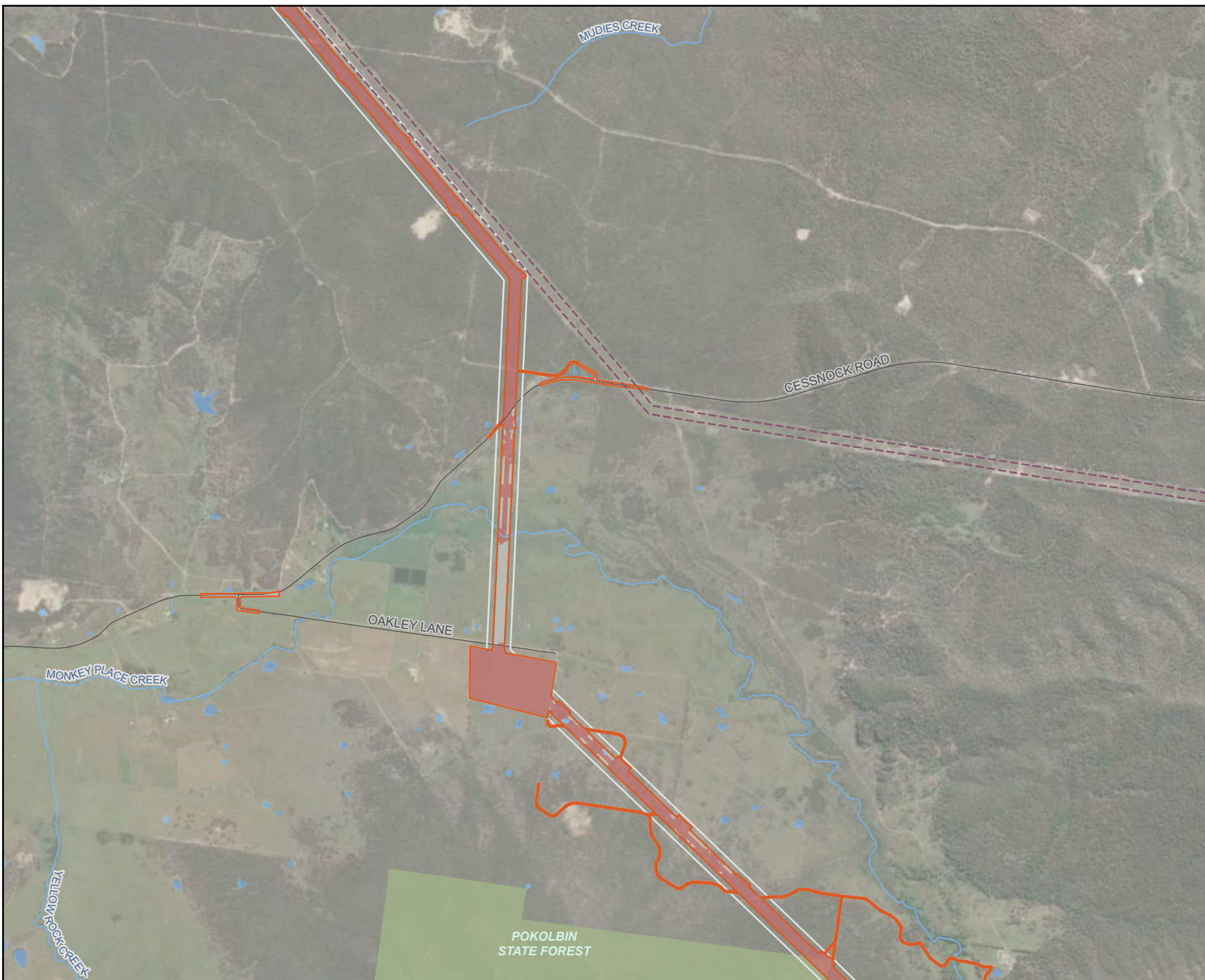
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Legend

- Biodiversity study area
- Subject land
- Existing environment
- Road
- - - 330 kV transmission line
- Named watercourse
- Waterbody
- State forest
- Local government area
- Offset not required
- Offset required



Coordinate system: GDA2020 MGA Zone 56

Scale ratio correct when printed at A4



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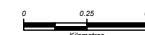
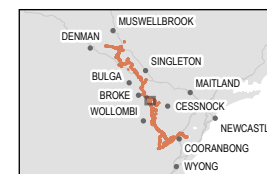
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Legend

- Biodiversity study area
- Subject land
- Existing environment
- Road
- Named watercourse
- Waterbody
- State forest
- Local government area
- Offset not required
- Offset required



Coordinate system: GDA2020 MGA Zone 56

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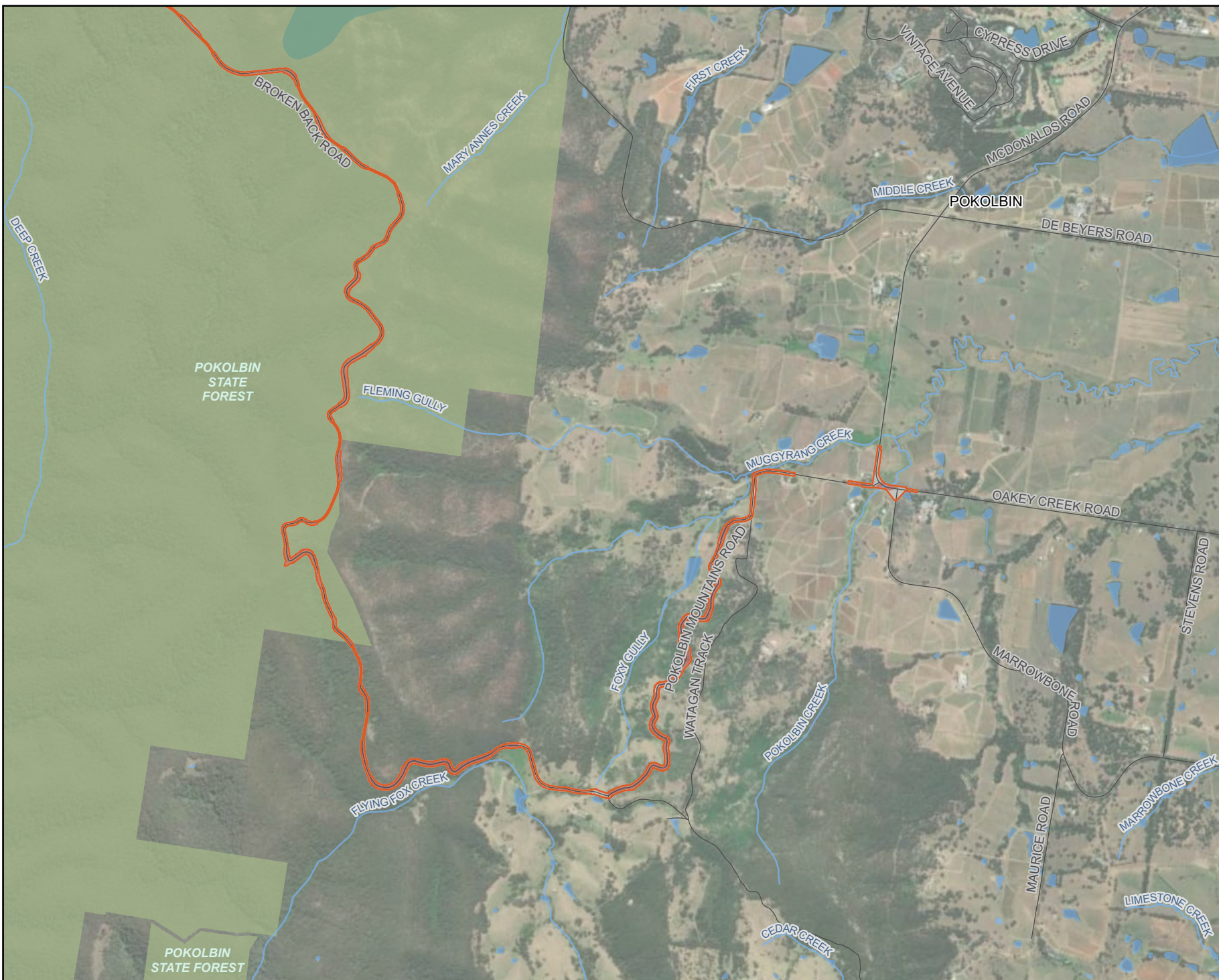


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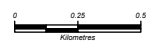
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- Legend**
- Biodiversity study area
 - Subject land
 - Existing environment
 - Road
 - Named watercourse
 - Waterbody
 - Flora reserve
 - State forest
 - Local government area
 - Offset not required
 - Offset required



Coordinate system: GDA2020 MGA Zone 56

Scale ratio correct when printed at A4

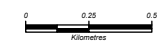
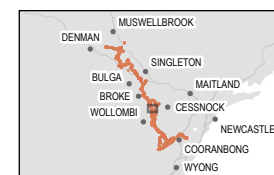
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Legend

- Biodiversity study area
- Subject land
- Existing environment
- Road
- Named watercourse
- Waterbody
- NPWS reserve
- State forest
- Local government area
- Offset not required
- Offset required



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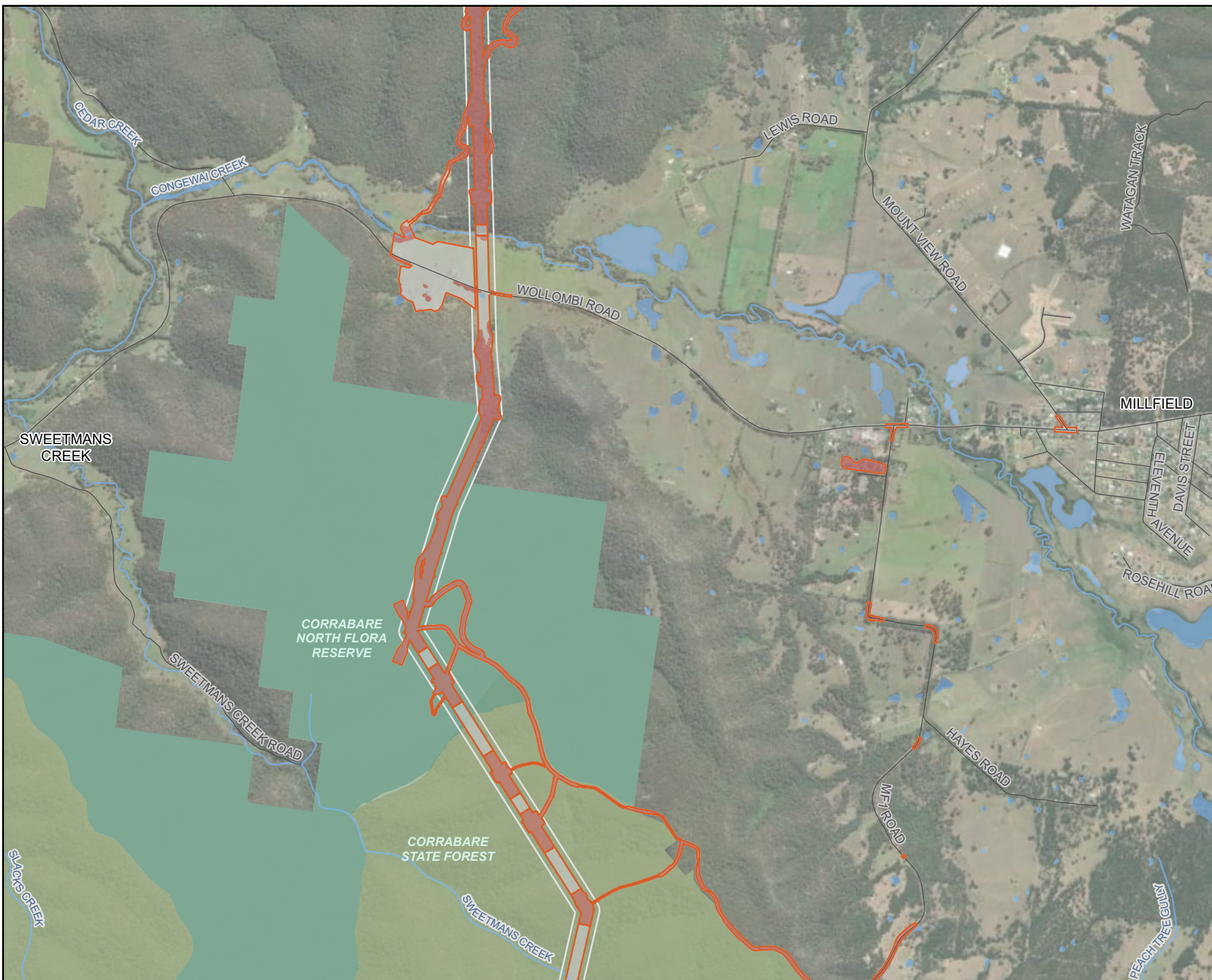
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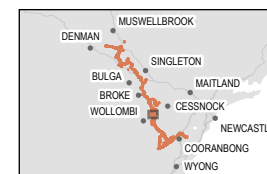
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Legend

- Biodiversity study area
- Subject land
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- Road
- Named watercourse
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- Flora reserve
- State forest
- Local government area
- Offset not required
- Offset required

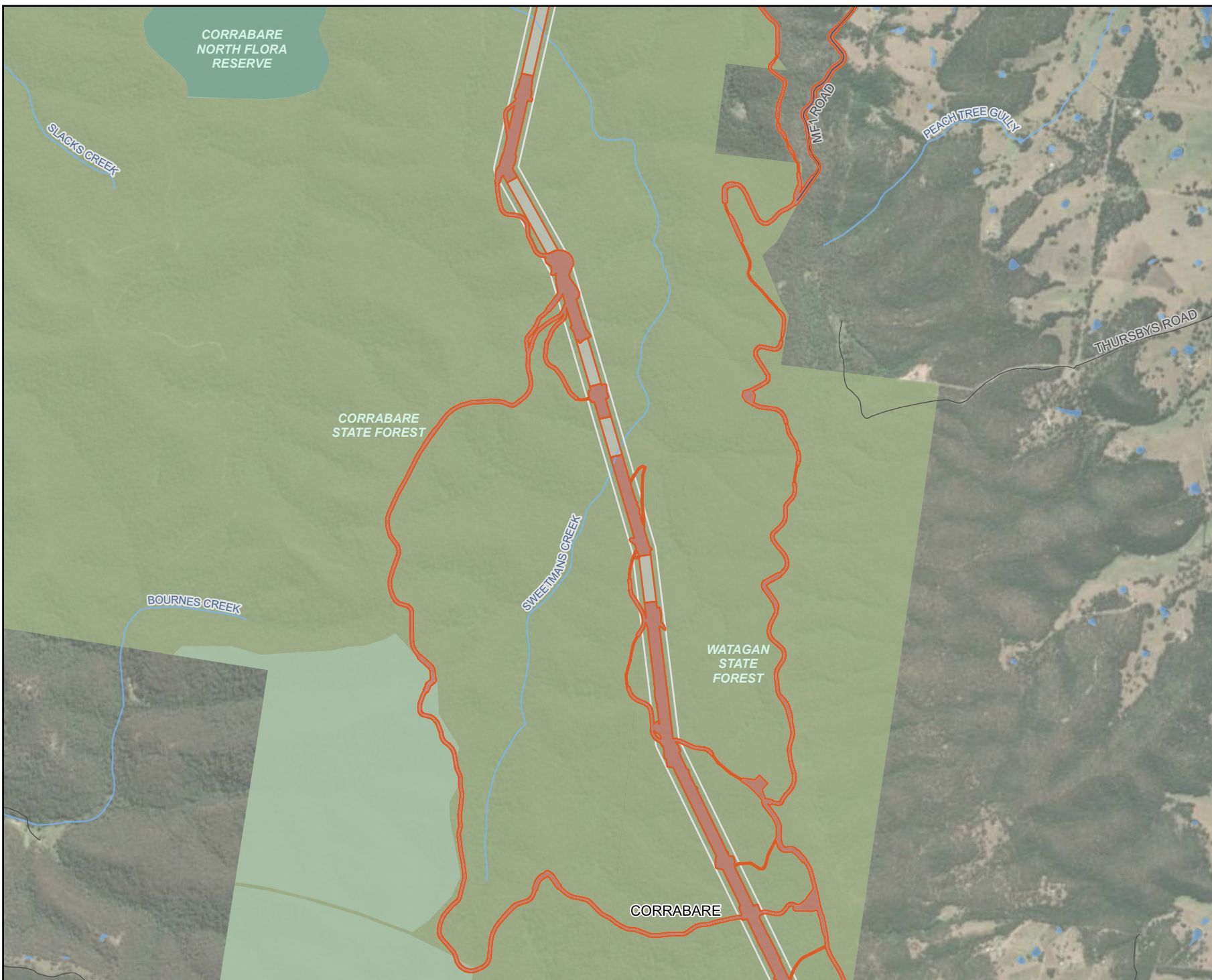


Coordinate system: GDA2020 MGA Zone 56
Scale ratio correct when printed at A4

1:30,000 Date: 29/01/2026

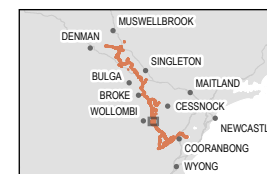
Data sources: EMM, Beca, Geoscience Australia, NSW State Government, WSP
World Imagery: Earthstar Geographics

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Legend

- Biodiversity study area
- Subject land
- Existing environment
- Road
- Named watercourse
- Waterbody
- NPWS reserve
- Flora reserve
- State forest
- Local government area
- Offset not required
- Offset required



Coordinate system: GDA2020 MGA Zone 56

Scale ratio correct when printed at A4



1:30,000 Date: 29/01/2026

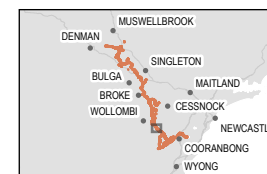
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World Imagery: Earthstar Geographics

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Legend

- Biodiversity study area
- Subject land
- Existing environment
- Road
- Named watercourse
- Waterbody
- NPWS reserve
- State forest
- Local government area
- Offset not required
- Offset required



Coordinate system: GDA2020 MGA Zone 56

Scale ratio correct when printed at A4



1:30,000 Date: 29/01/2026

Data sources: EMM, Beca, Geoscience Australia, NSW State Government, WSP
World Imagery: Earthstar Geographics

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Legend

- Biodiversity study area
- Subject land
- Existing environment
- Road
- Named watercourse
- Waterbody
- NPWS reserve
- State conservation area
- Flora reserve
- State forest
- Local government area
- Offset not required
- Offset required



Coordinate system: GDA2020 MGA Zone 56

Scale ratio correct when printed at A4



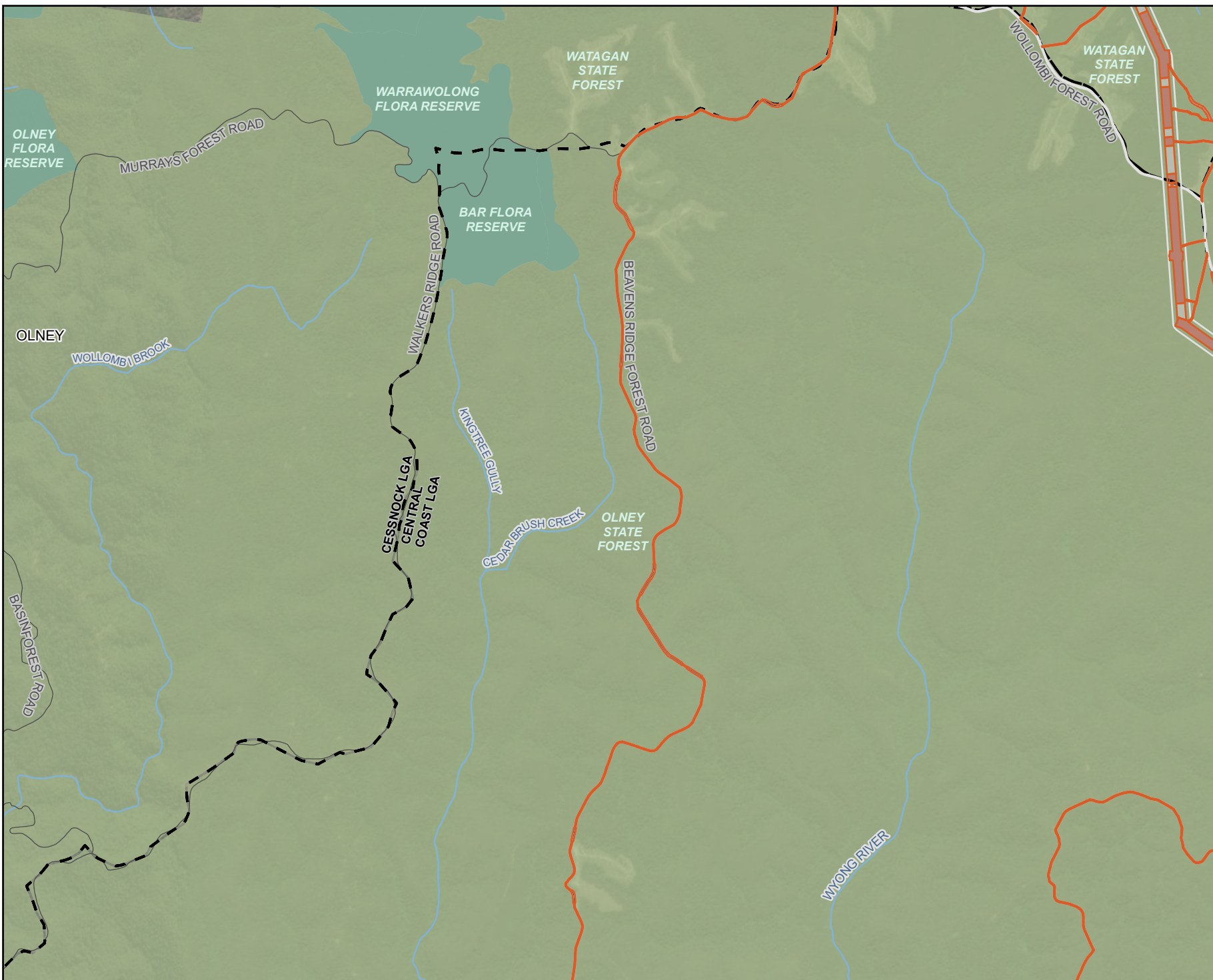
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Data sources: EMM, Beca, Geoscience Australia, NSW State Government, WSP
World Imagery: Earthstar Geographics

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Legend

- Biodiversity study area
- Subject land
- Existing environment
- Road
- Named watercourse
- NPWS reserve
- Flora reserve
- State forest
- Local government area
- Offset not required
- Offset required



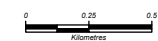
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World Imagery: Earthstar Geographics

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Legend

- Biodiversity study area
- Subject land
- Existing environment
- Road
- 500 kV transmission line
- Named watercourse
- Waterbody
- NPWS reserve
- State conservation area
- State forest
- Local government area
- Offset not required
- Offset required



Coordinate system: GDA2020 MGA Zone 56

Scale ratio correct when printed at A4

GDA 2020 1:30,000 Date: 29/01/2026

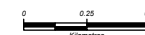
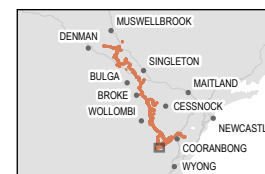
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Legend

- Biodiversity study area
- Subject land
- Existing environment
- Road
- 500 kV transmission line
- Named watercourse
- Waterbody
- NPWS reserve
- State conservation area
- State forest
- Local government area
- Offset not required
- Offset required



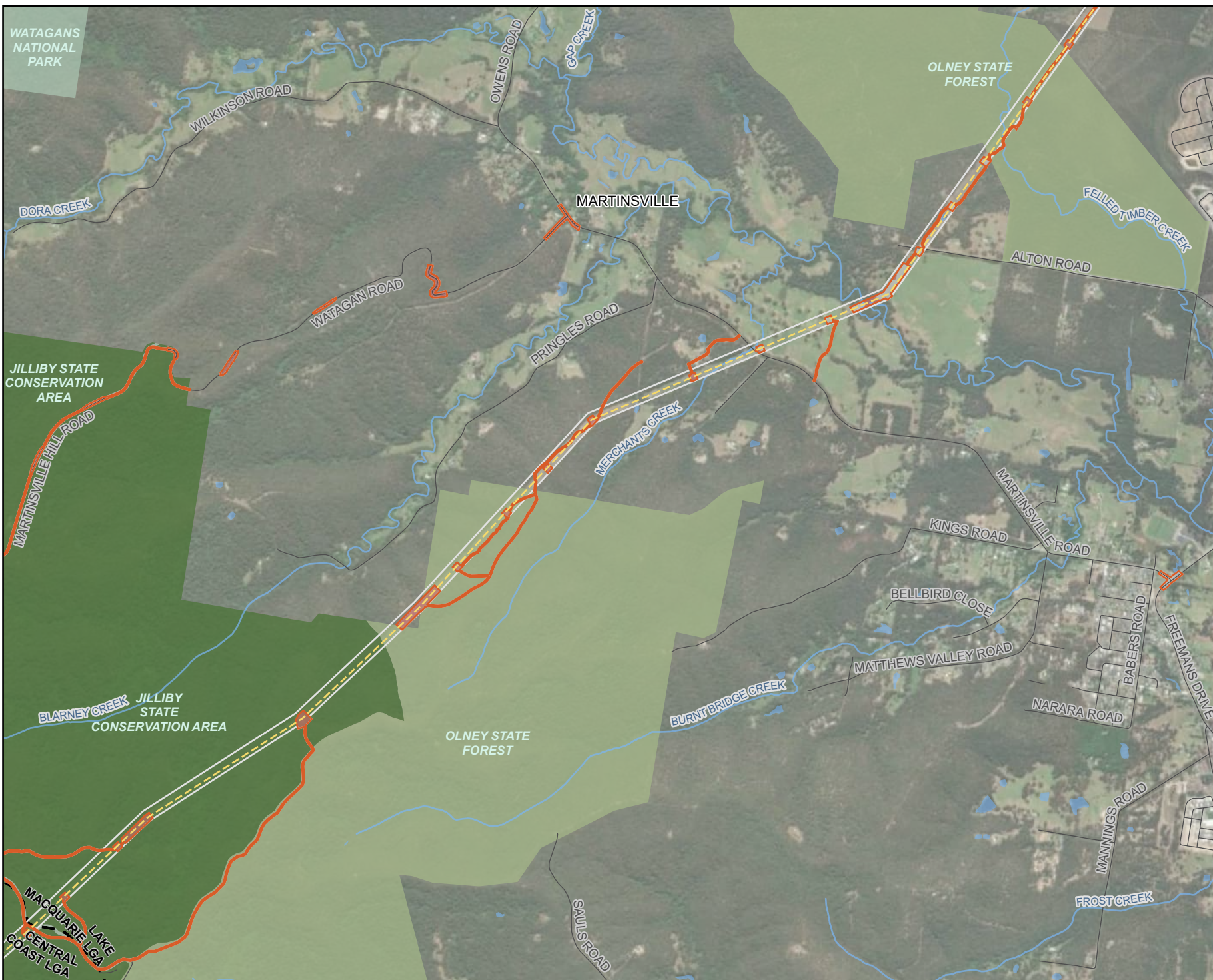
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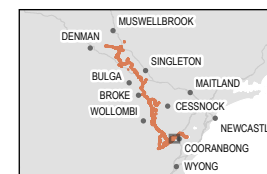
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World Imagery: Earthstar Geographics

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Legend

- Biodiversity study area
- Subject land
- Existing environment
- Road
- 500 kV transmission line
- Named watercourse
- Waterbody
- NPWS reserve
- State conservation area
- State forest
- Local government area
- Offset not required
- Offset required



0 0.25 0.5
Kilometres



Coordinate system: GDA2020 MGA Zone 56

Scale ratio correct when printed at A4

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Legend

- Biodiversity study area
- Subject land
- Existing environment
- Road
- Power station
- - - 330 kV transmission line
- - - 500 kV transmission line
- Named watercourse
- Waterbody
- NPWS reserve
- Flora reserve
- State forest
- Local government area
- Offset not required
- Offset required

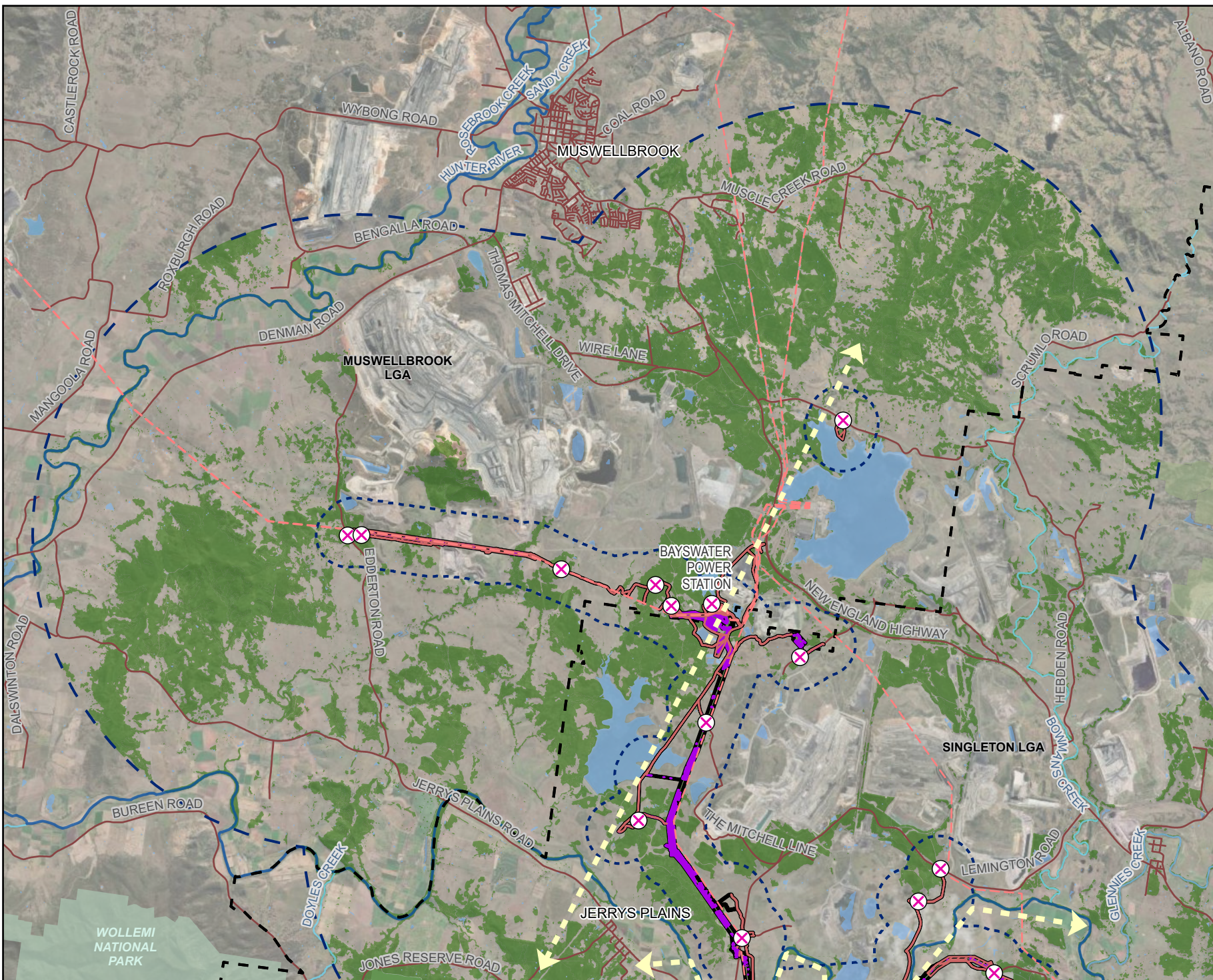


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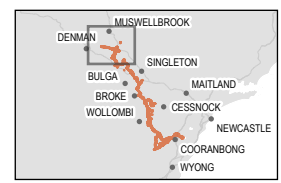
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- Legend**
- Biodiversity study area
 - Local government area
 - Terrestrial connectivity buffers**
 - 1km buffer
 - 10km buffer
 - Barriers**
 - Road
 - Power station
 - Existing transmission line
 - Potential locations of vehicle strike
 - Brownfield areas
 - Habitat features**
 - Waterbody
 - Remnant vegetation (within 10km of subject land)
 - NPWS reserve
 - State forest
 - Broad movement corridor
 - Fauna connectivity locations
 - Watercourses (Strahler stream order)**
 - 6
 - 7
 - 9

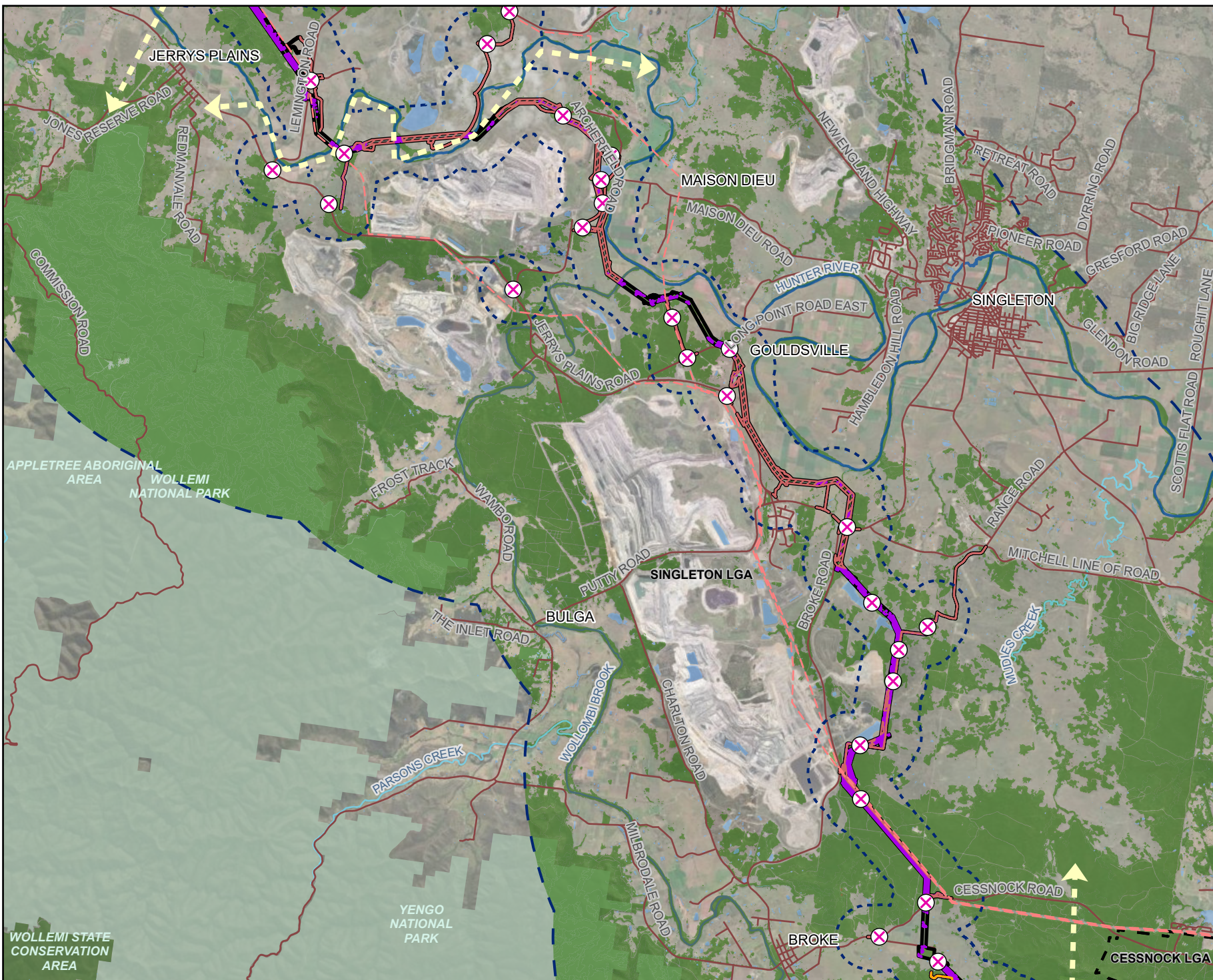


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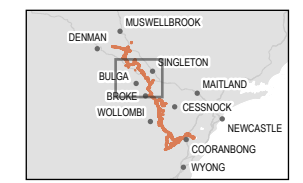
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Data sources: EMM, Beca, Geoscience Australia, NSW State Government, WSP
World Imagery: Earthstar Geographics

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- Legend**
- Biodiversity study area
 - Local government area
 - Terrestrial connectivity buffers**
 - 1km buffer
 - 10km buffer
 - Barriers**
 - Road
 - Existing transmission line
 - Potential locations of vehicle strike
 - Brownfield areas
 - Brownfield areas including potential locations of vehicle strike
 - Habitat features**
 - Waterbody
 - Cliff lines/escarpments
 - Remnant vegetation (within 10km of subject land)
 - NPWS reserve
 - State conservation area
 - State forest
 - Broad movement corridor
 - Fauna connectivity locations
 - Watercourses (Strahler stream order)**
 - 6
 - 7
 - 8
 - 9

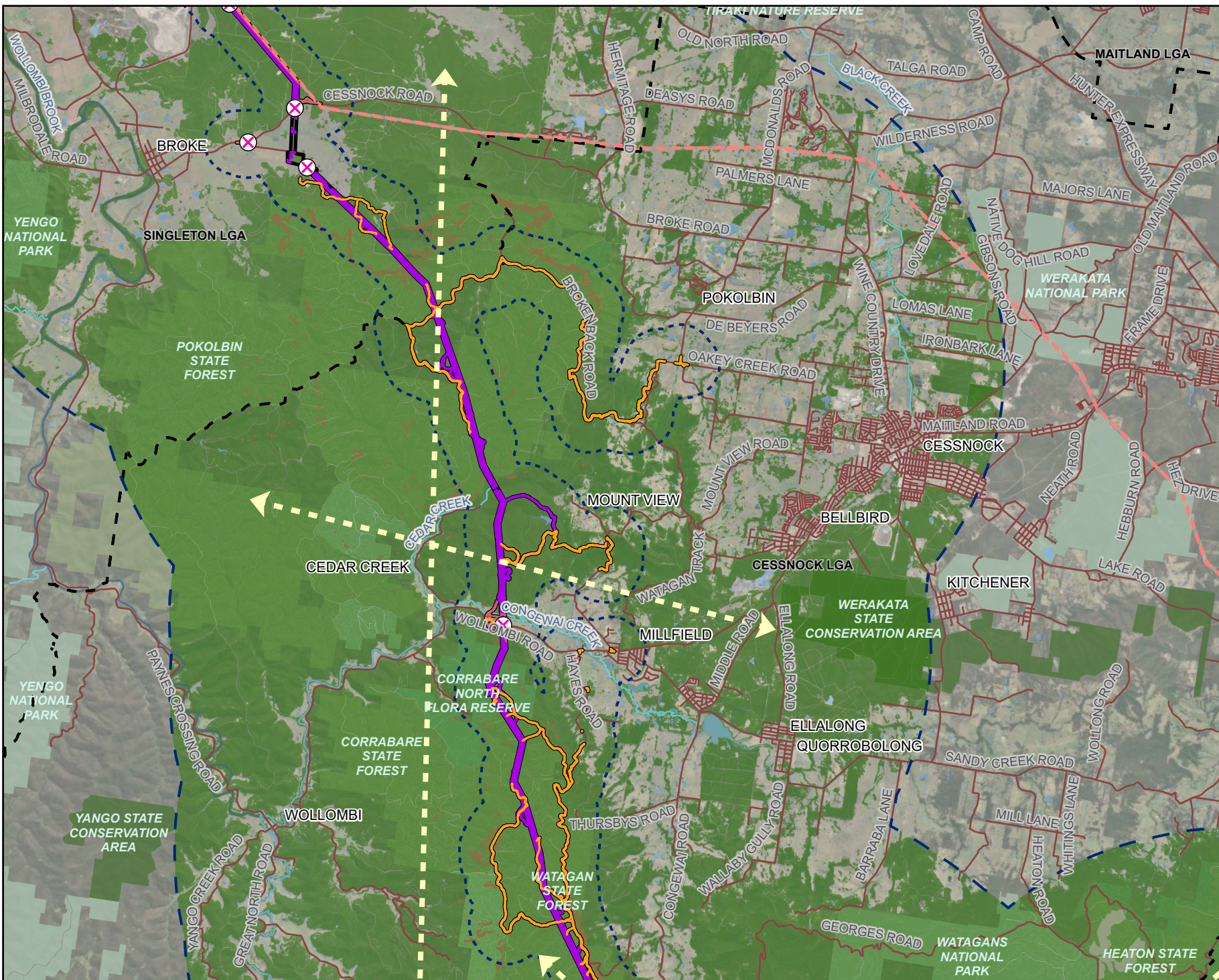


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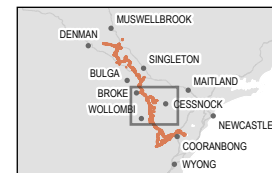
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Legend

- Biodiversity study area
- Local government area
- Terrestrial connectivity buffers**
- 1km buffer
- 10km buffer
- Barriers**
- Road
- Existing transmission line
- Potential locations of vehicle strike
- Brownfield areas
- Brownfield areas including potential locations of vehicle strike
- Habitat features**
- Waterbody
- Cliff lines/escarpments
- Remnant vegetation (within 10km of subject land)
- NPWS reserve
- State conservation area
- Flora reserve
- State forest
- Broad movement corridor
- Fauna connectivity locations
- Watercourses (Strahler stream order)**
- 6
- 7
- 8



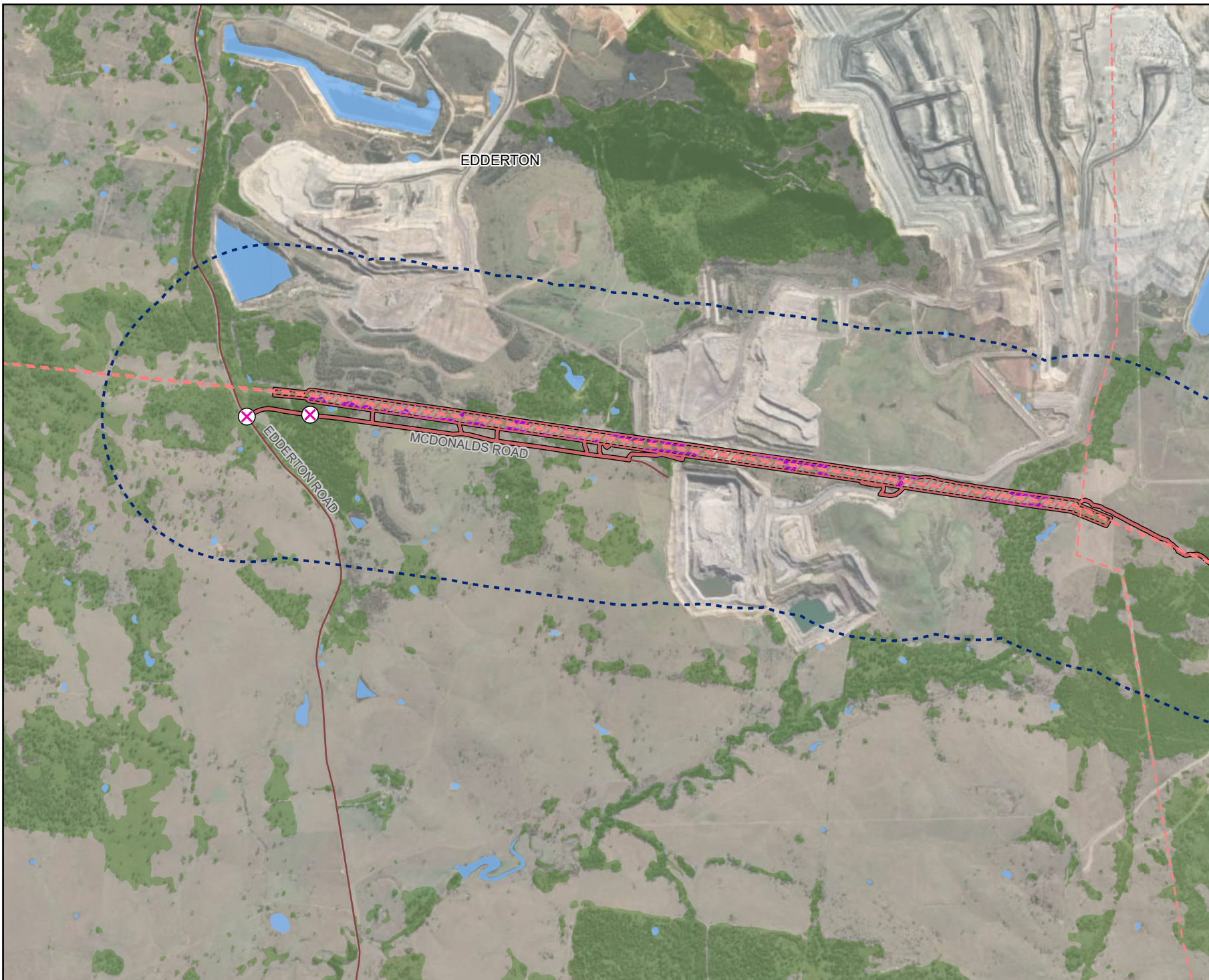
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Scale ratio correct when printed at A4

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Data sources: EMM, Beca, Geoscience Australia, NSW State Government, WSP
World Imagery: Earthstar Geographics

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Legend

- Biodiversity study area
- Local government area
- Terrestrial connectivity buffers**
 - 1km buffer
 - 10km buffer
- Barriers**
 - Road
 - Existing transmission line
 - Potential locations of vehicle strike
 - Brownfield areas
- Habitat features**
 - Waterbody
 - Remnant vegetation (within 10km of subject land)
 - Fauna connectivity locations



Coordinate system: GDA2020 MGA Zone 56

Scale ratio correct when printed at A4



1:35,000 Date: 30/01/2026

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Legend

- Biodiversity study area
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- Terrestrial connectivity buffers
 - 1km buffer
 - 10km buffer
- Barriers
 - Road
 - Power station
 - Existing transmission line
- Potential locations of vehicle strike
- Brownfield areas
- Habitat features
 - Waterbody
 - Remnant vegetation (within 10km of subject land)
 - Fauna connectivity locations



Coordinate system: GDA2020 MGA Zone 56

Scale ratio correct when printed at A4



1:35,000 Date: 30/01/2026

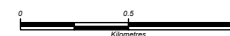
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Legend

- Biodiversity study area
- Local government area
- Terrestrial connectivity buffers**
- 1km buffer
- 10km buffer
- Barriers**
- Road
- Existing transmission line
- Potential locations of vehicle strike
- Brownfield areas
- Habitat features**
- Waterbody
- Remnant vegetation (within 10km of subject land)



Coordinate system: GDA2020 MGA Zone 56

Scale ratio correct when printed at A4



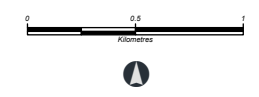
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- Legend**
- Biodiversity study area
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 - Road
 - Power station
 - Existing transmission line
 - Potential locations of vehicle strike
 - Brownfield areas
 - Habitat features**
 - Waterbody
 - Remnant vegetation (within 10km of subject land)
 - Fauna connectivity locations

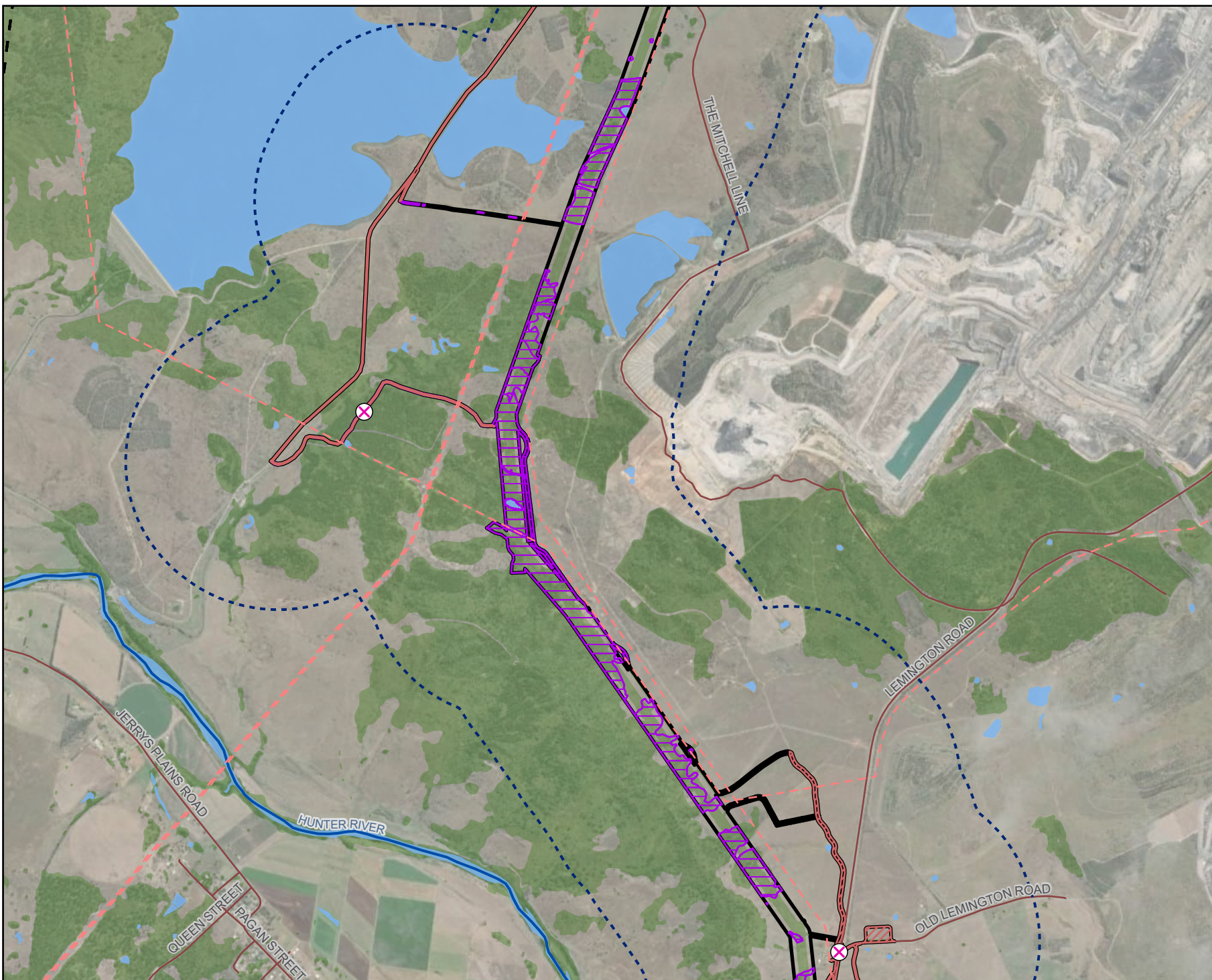


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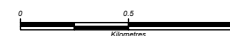
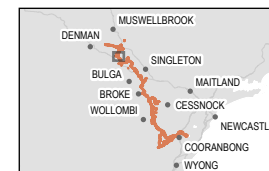
Data sources: EMM, Beca, Geoscience Australia, NSW State Government, WSP
World Imagery: Earthstar Geographics

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Legend

- Biodiversity study area
- Local government area
- Terrestrial connectivity buffers
 - 1km buffer
 - 10km buffer
- Barriers
 - Road
 - Existing transmission line
- Potential locations of vehicle strike
- Brownfield areas
- Habitat features
 - Waterbody
 - Remnant vegetation (within 10km of subject land)
 - Fauna connectivity locations
- Watercourses (Strahler stream order)
 - 9



Coordinate system: GDA2020 MGA Zone 56

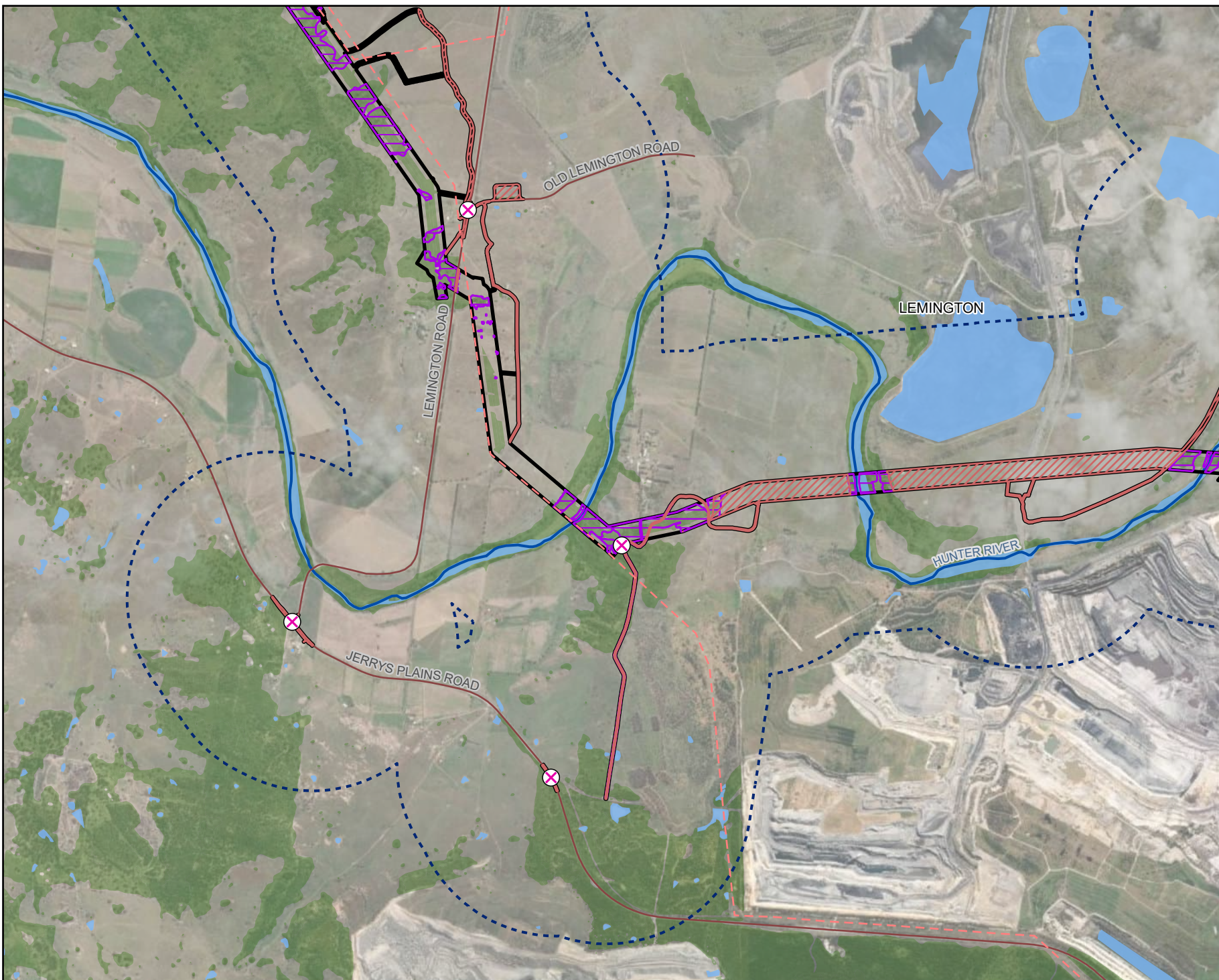
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Data sources: EMM, Beca, Geoscience Australia, NSW State Government, WSP
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- Legend**
- Biodiversity study area
 - Local government area
 - Terrestrial connectivity buffers**
 - 1km buffer
 - 10km buffer
 - Barriers**
 - Road
 - Existing transmission line
 - Potential locations of vehicle strike
 - Brownfield areas
 - Habitat features**
 - Waterbody
 - Remnant vegetation (within 10km of subject land)
 - Fauna connectivity locations
 - Watercourses (Strahler stream order)**
 - 9



Coordinate system: GDA2020 MGA Zone 56
Scale ratio correct when printed at A4

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Legend

- Biodiversity study area
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- Terrestrial connectivity buffers**
- 1km buffer
- 10km buffer
- Barriers**
- Road
- Existing transmission line
- Potential locations of vehicle strike
- Brownfield areas
- Habitat features**
- Waterbody
- Remnant vegetation (within 10km of subject land)
- Fauna connectivity locations
- Watercourses (Strahler stream order)**
- 6
- 7
- 9



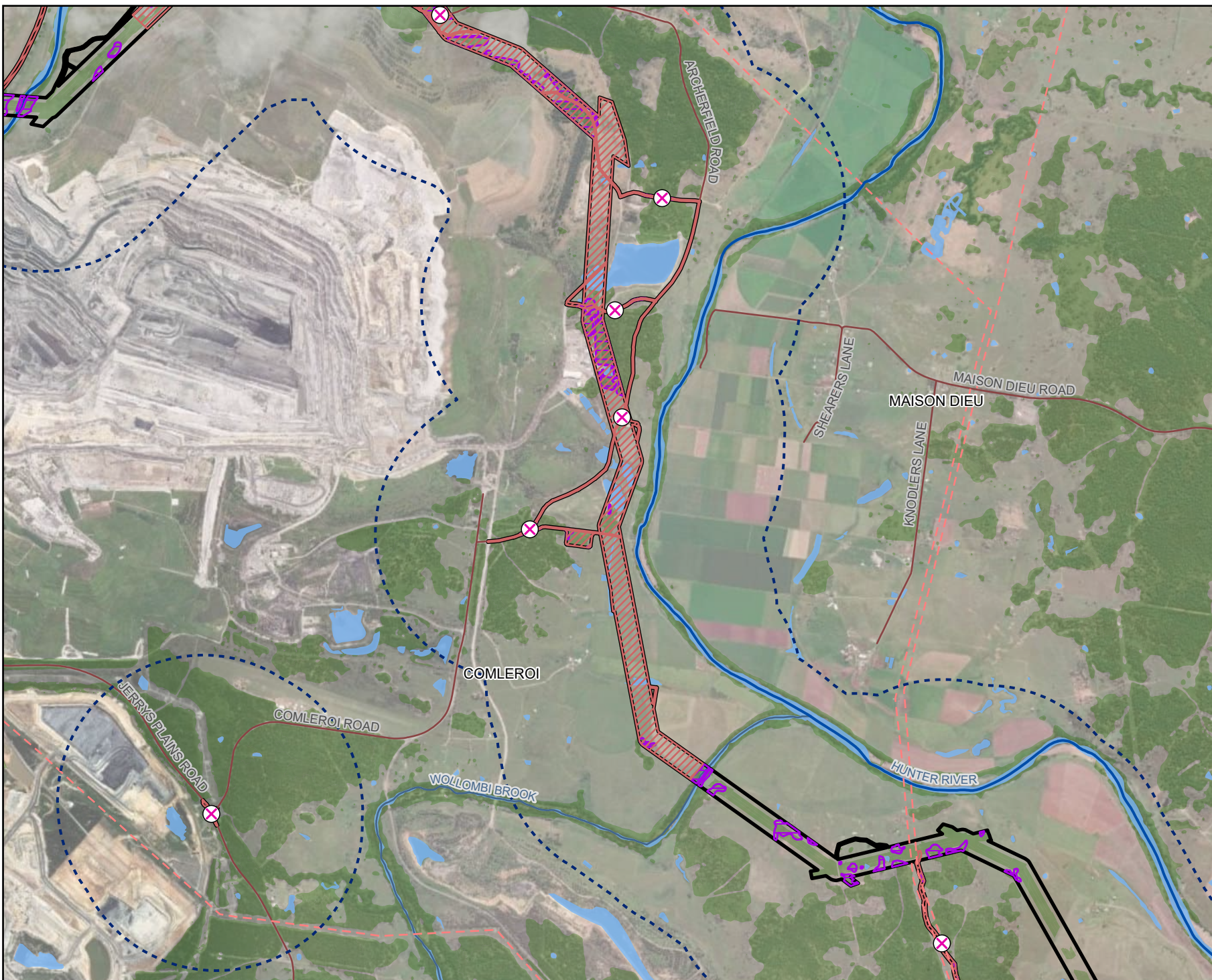
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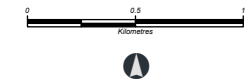
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- Legend**
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 - Road
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 - Potential locations of vehicle strike
 - Brownfield areas
 - Habitat features
 - Waterbody
 - Remnant vegetation (within 10km of subject land)
 - Fauna connectivity locations
 - Watercourses (Strahler stream order)
 - 7
 - 8
 - 9

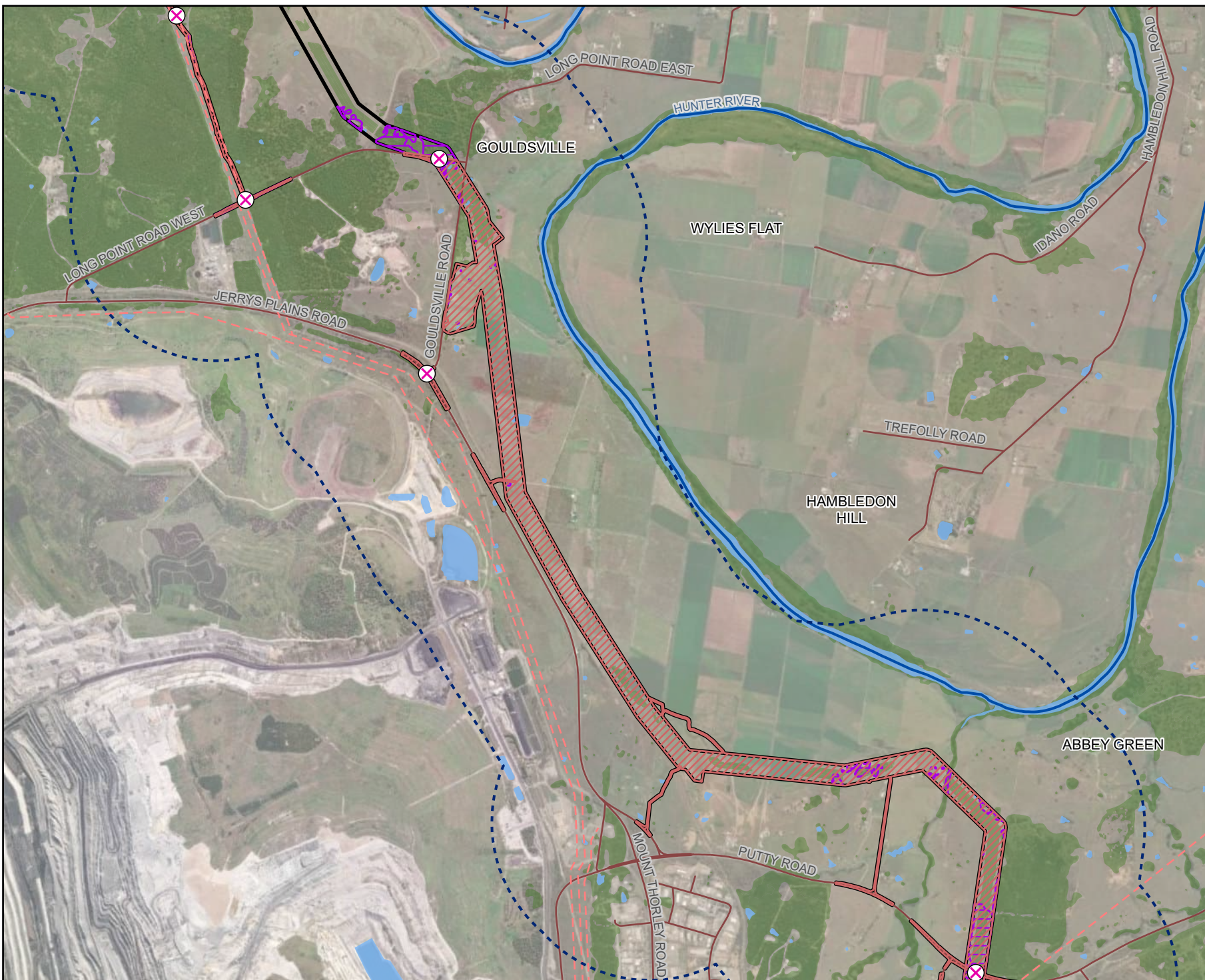


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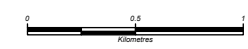
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Data sources: EMM, Beca, Geoscience Australia, NSW State Government, WSP
World Imagery: Earthstar Geographics

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- Legend**
- Biodiversity study area
 - Local government area
 - Terrestrial connectivity buffers**
 - 1km buffer
 - 10km buffer
 - Barriers**
 - Road
 - Existing transmission line
 - Potential locations of vehicle strike
 - Brownfield areas
 - Habitat features**
 - Waterbody
 - Remnant vegetation (within 10km of subject land)
 - Fauna connectivity locations
 - Watercourses (Strahler stream order)**
 - 9

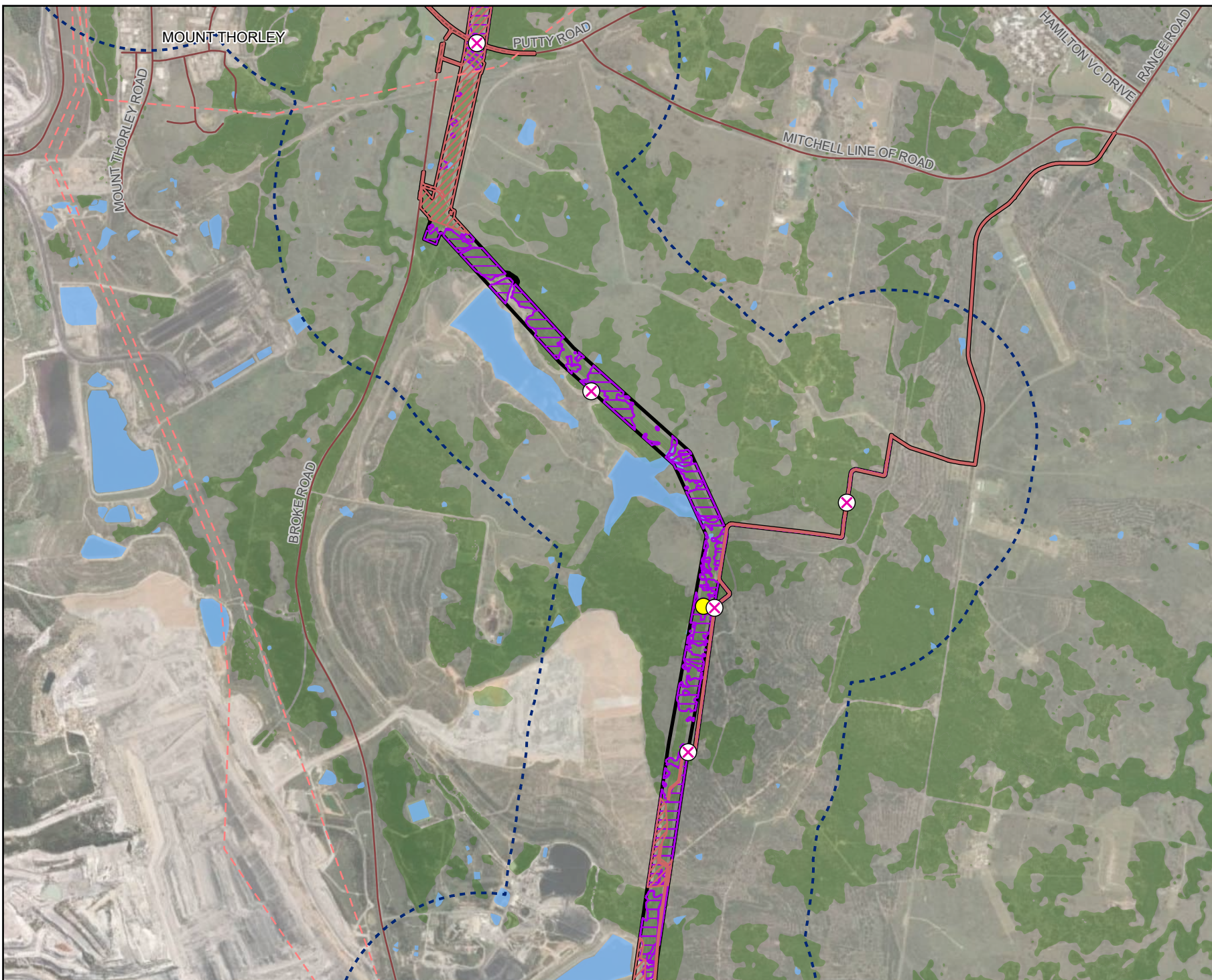


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Legend

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- Brownfield areas
- Habitat features**
- Waterbody
- Remnant vegetation (within 10km of subject land)
- Fauna connectivity locations
- Connectivity structure (indicative only)



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- Habitat features**
- Waterbody
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- Remnant vegetation (within 10km of subject land)
- Fauna connectivity locations
- Connectivity structure (indicative only)
- Watercourses (Strahler stream order)**
- 8



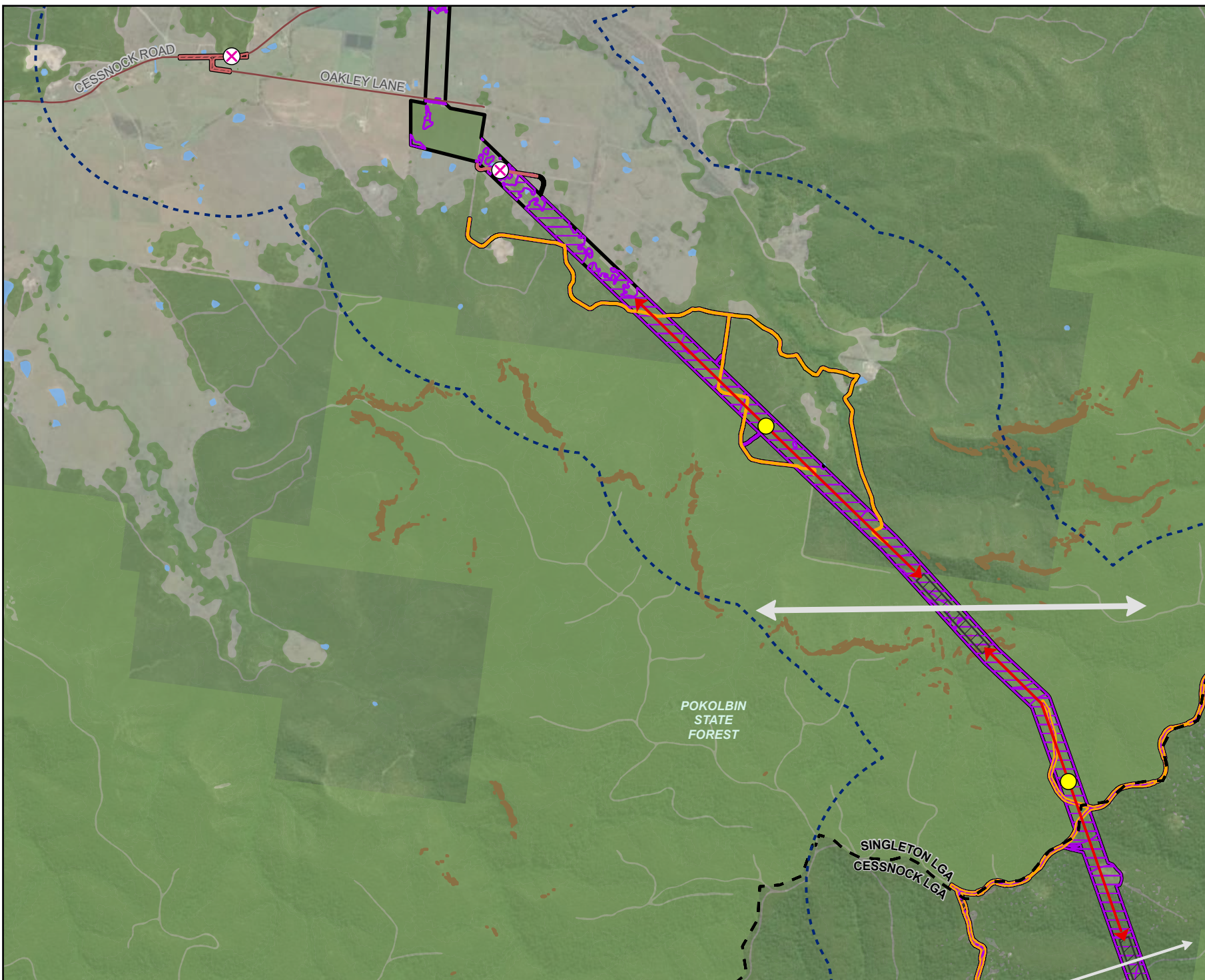
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Legend

- Biodiversity study area
- Non-disturbance area
- Local government area
- Terrestrial connectivity buffers**
- 1km buffer
- 10km buffer
- Barriers**
- Road
- Potential locations of vehicle strike
- Brownfield areas
- Brownfield areas including potential locations of vehicle strike
- New barrier
- Habitat features**
- Waterbody
- Cliff lines/escarpments
- Remnant vegetation (within 10km of subject land)
- State forest
- Fauna connectivity locations
- Connectivity structure (indicative only)
- Terrestrial connectivity (major)
- Terrestrial connectivity (minor)



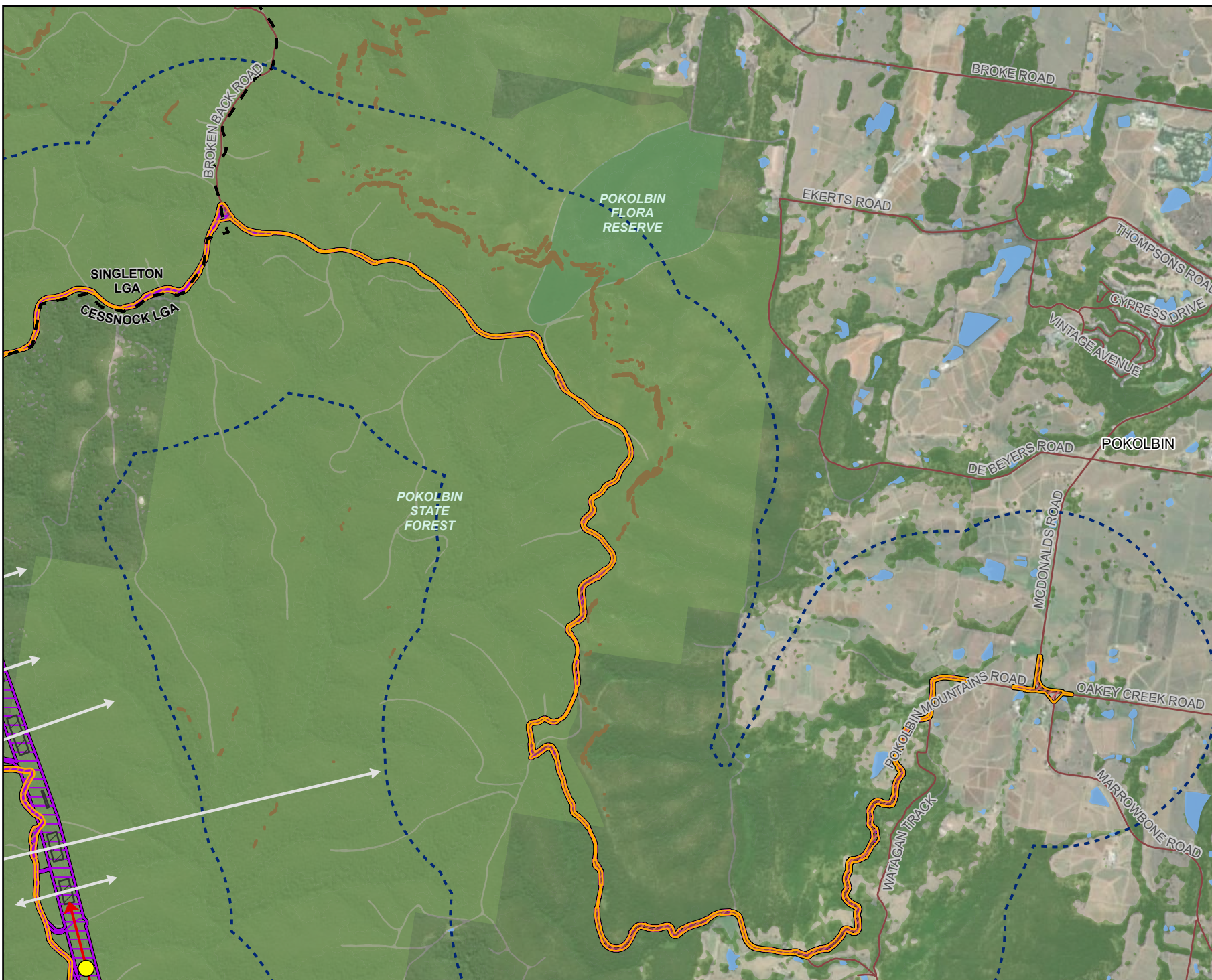
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 - 1km buffer
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 - Barriers**
 - Road
 - Brownfield areas including potential locations of vehicle strike
 - New barrier
 - Habitat features**
 - Waterbody
 - Cliff lines/escarpments
 - Remnant vegetation (within 10km of subject land)
 - Flora reserve
 - State forest
 - Fauna connectivity locations
 - Connectivity structure (indicative only)
 - Terrestrial connectivity (minor)

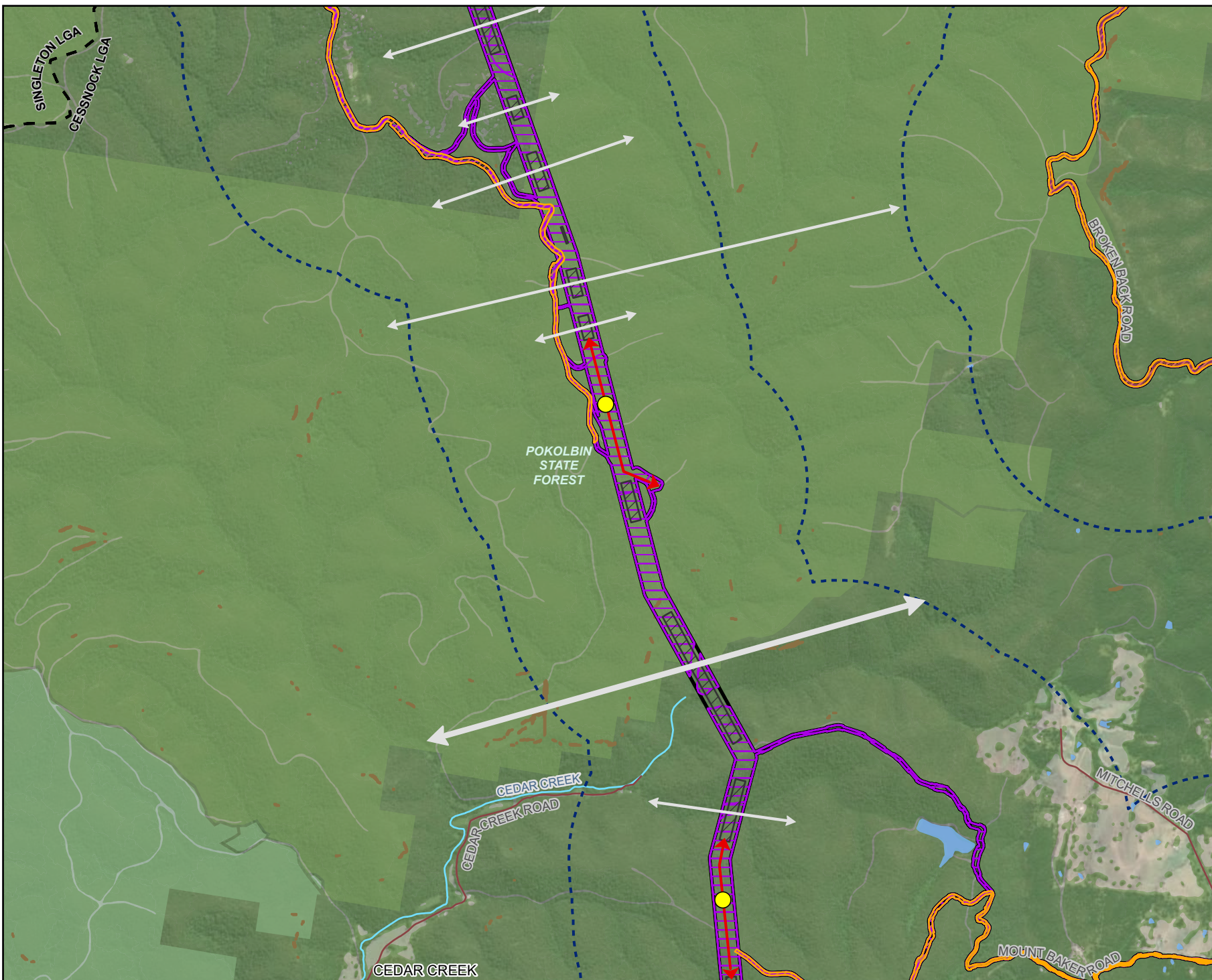


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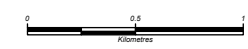
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 - Waterbody
 - Cliff lines/escarpments
 - Remnant vegetation (within 10km of subject land)
 - NPWS reserve
 - State forest
 - Fauna connectivity locations
 - Connectivity structure (indicative only)
 - Terrestrial connectivity (major)
 - Terrestrial connectivity (minor)
 - Watercourses (Strahler stream order)**
 - 6

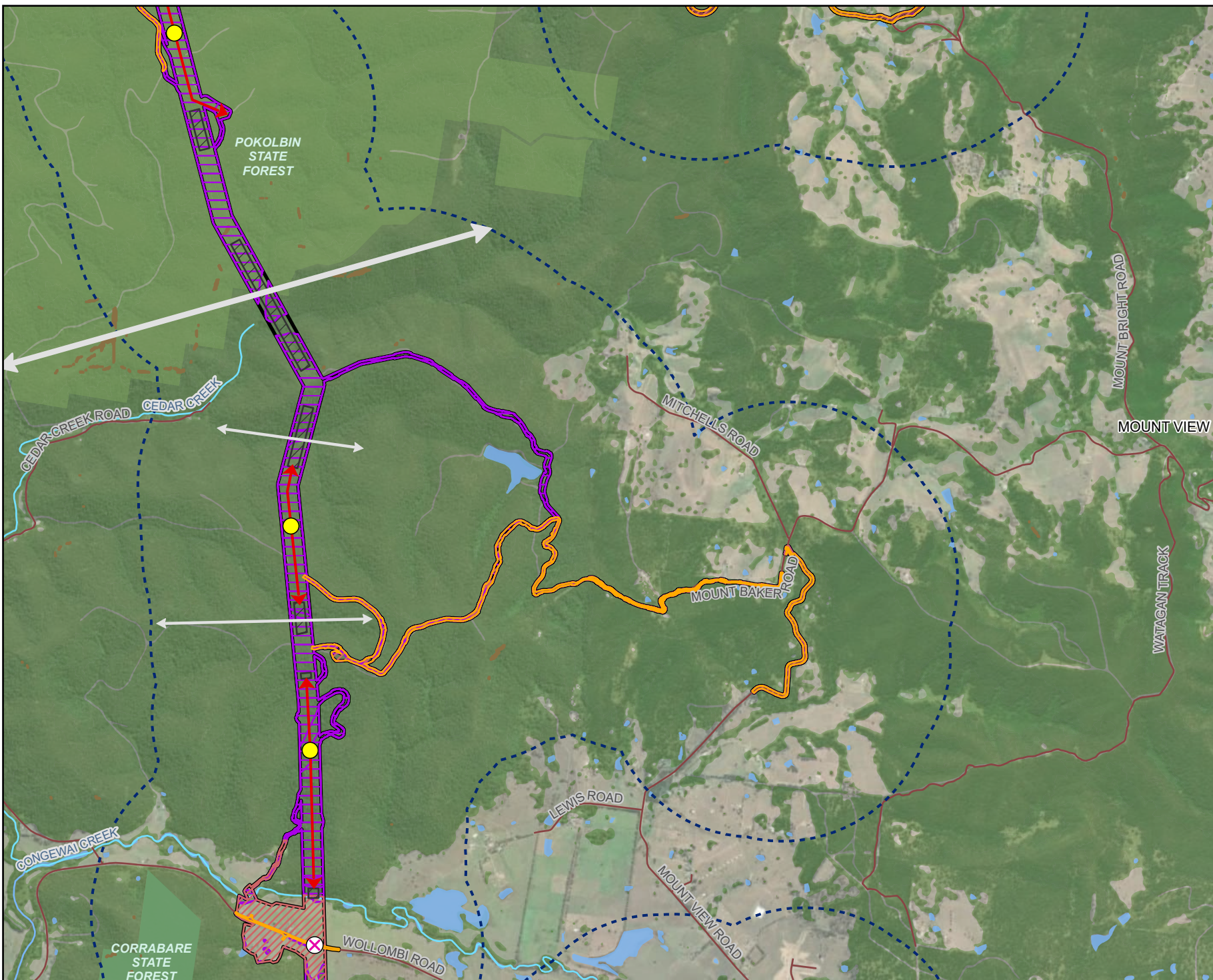


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 - New barrier
 - Habitat features**
 - Waterbody
 - Cliff lines/escarpments
 - Remnant vegetation (within 10km of subject land)
 - NPWS reserve
 - Flora reserve
 - State forest
 - Fauna connectivity locations
 - Connectivity structure (indicative only)
 - Terrestrial connectivity (major)
 - Terrestrial connectivity (minor)
 - Watercourses (Strahler stream order)**
 - 6
 - 7

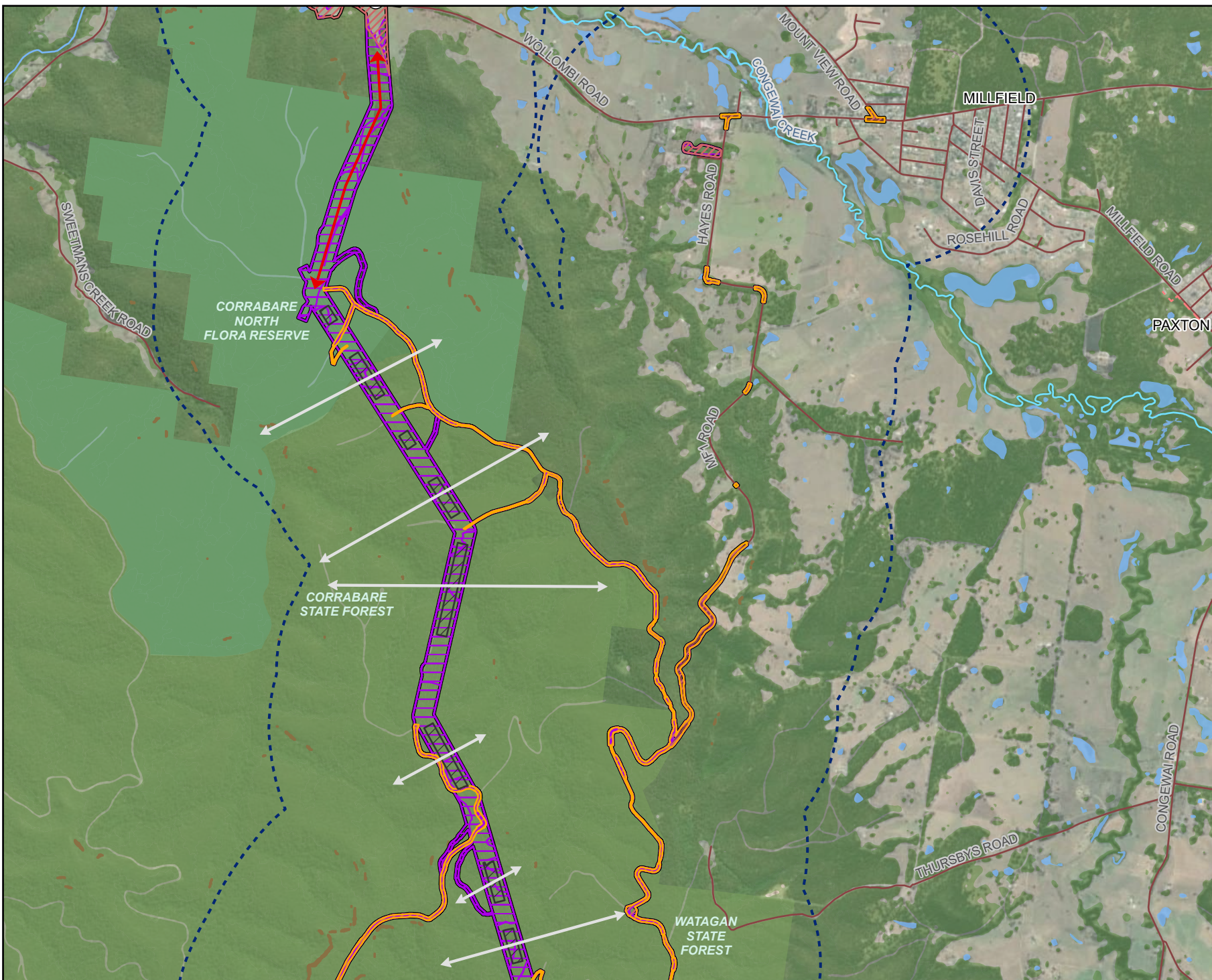


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 - 1km buffer
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 - Barriers**
 - Road
 - Existing transmission line
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 - Brownfield areas
 - Brownfield areas including potential locations of vehicle strike
 - New barrier
 - Habitat features**
 - Waterbody
 - Cliff lines/escarpments
 - Remnant vegetation (within 10km of subject land)
 - NPWS reserve
 - Flora reserve
 - State forest
 - Fauna connectivity locations
 - Terrestrial connectivity (minor)
 - Watercourses (Strahler stream order)**
 - 6
 - 7

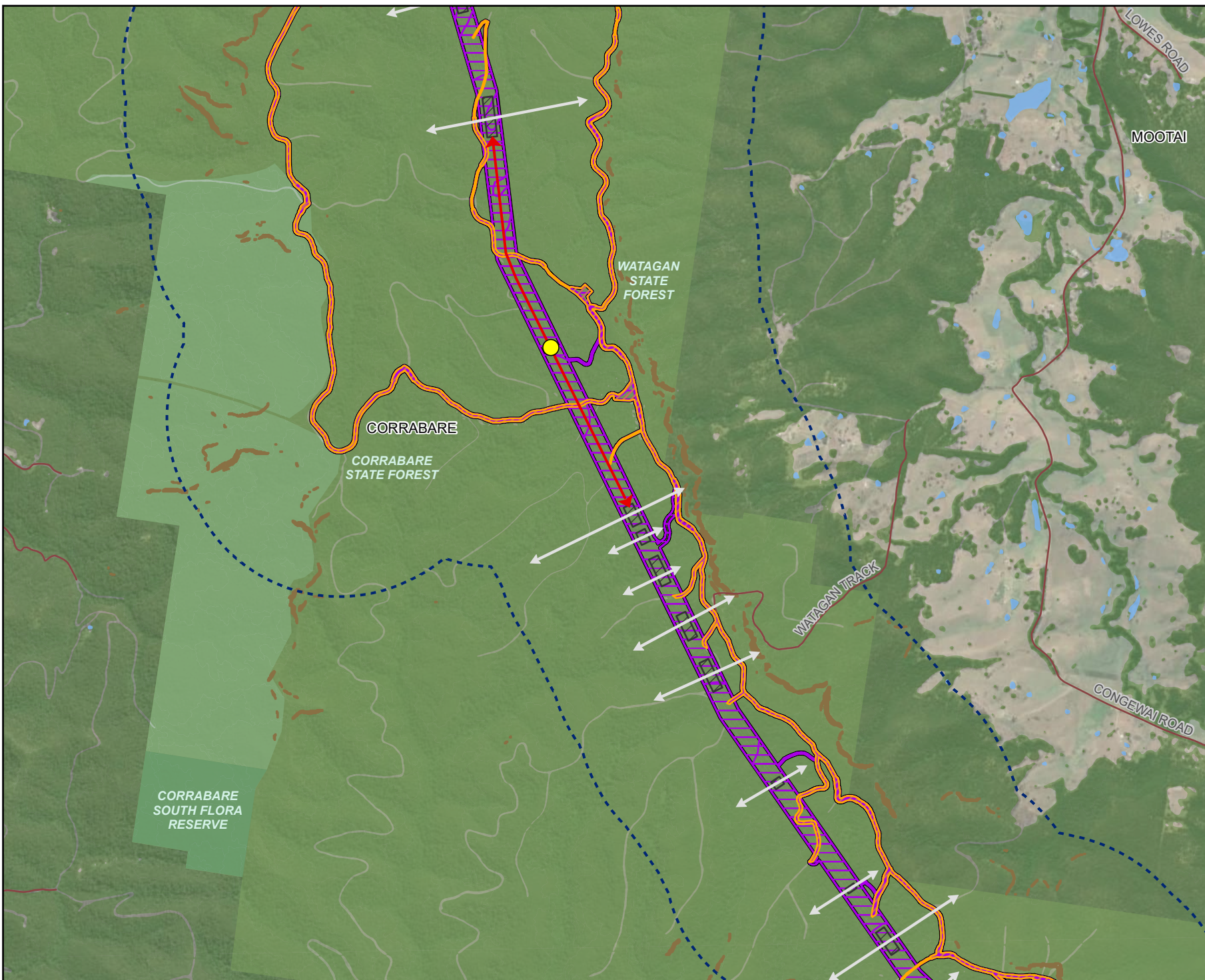


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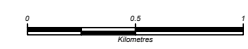
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 - Cliff lines/escarpments
 - Remnant vegetation (within 10km of subject land)
 - NPWS reserve
 - Flora reserve
 - State forest
 - Fauna connectivity locations
 - Connectivity structure (indicative only)
 - Terrestrial connectivity (minor)

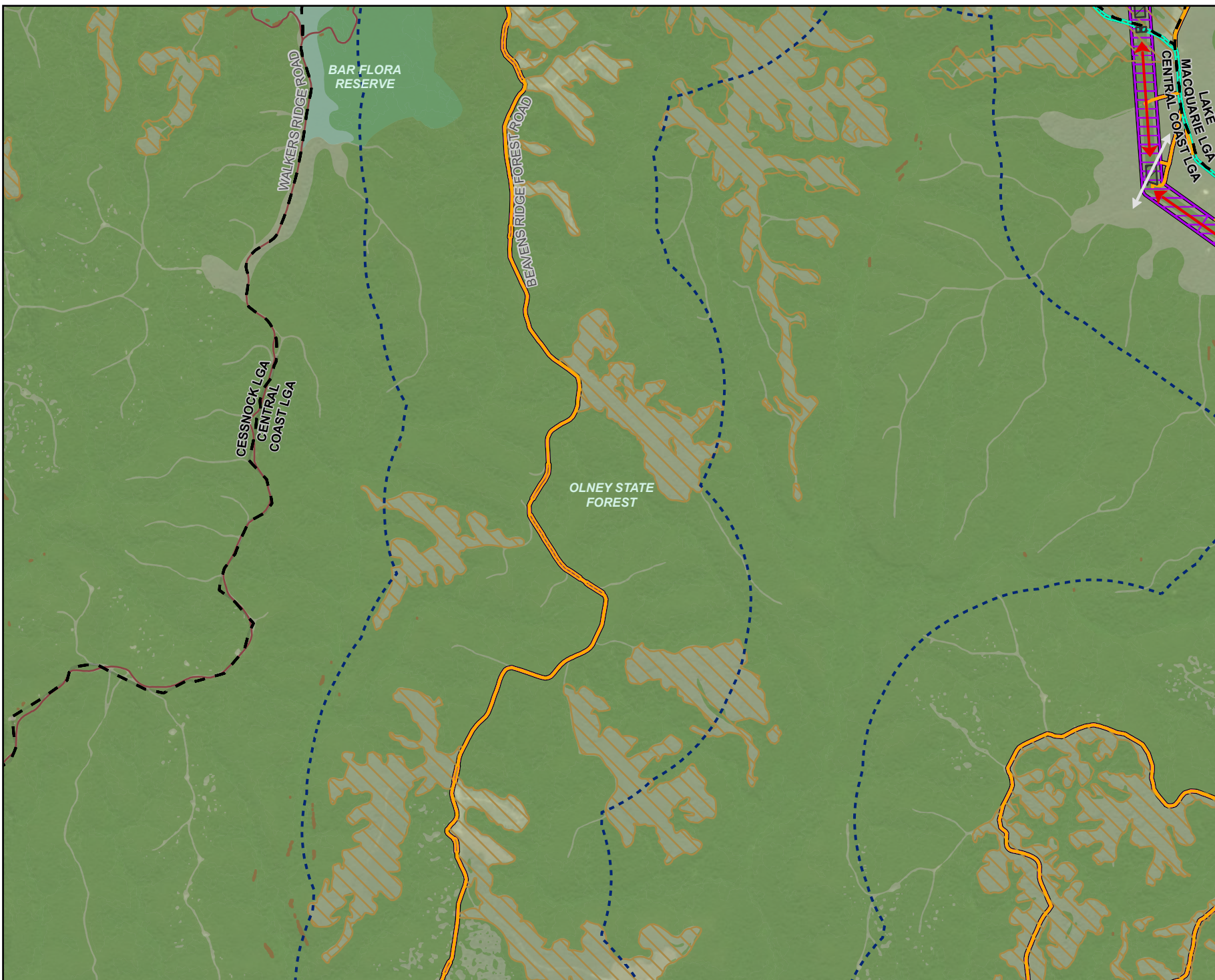


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- Legend**
- Biodiversity study area
 - Non-disturbance area
 - Local government area
 - Terrestrial connectivity buffers**
 - 1km buffer
 - 10km buffer
 - Barriers**
 - Road
 - Brownfield areas including potential locations of vehicle strike
 - Forestry road where increased vehicle strike is possible
 - New barrier
 - Cliff lines/escarpments
 - Remnant vegetation (within 10km of subject land)
 - NPWS reserve
 - Flora reserve
 - State forest
 - Hardwood plantation zone
 - Fauna connectivity locations
 - Terrestrial connectivity (minor)



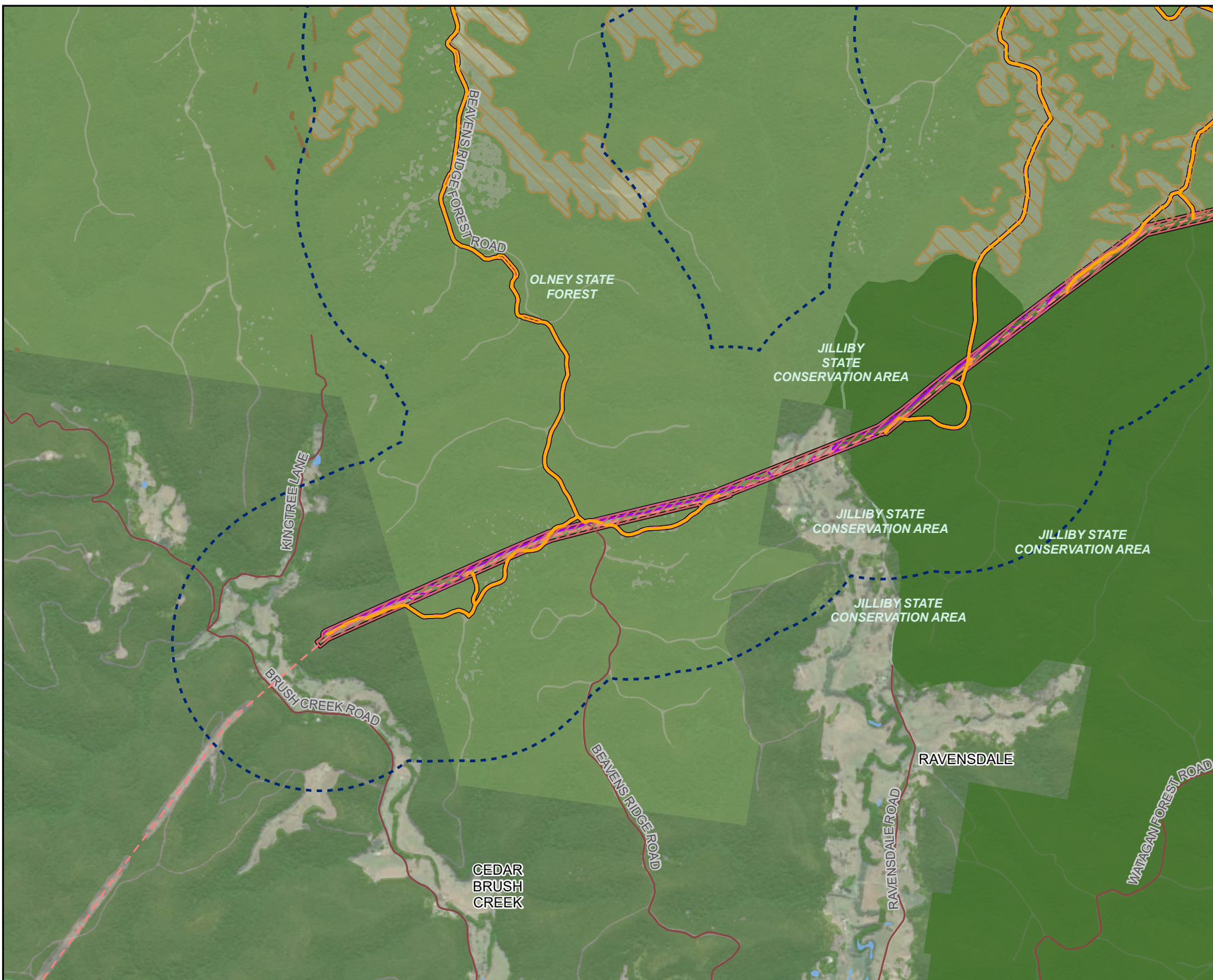
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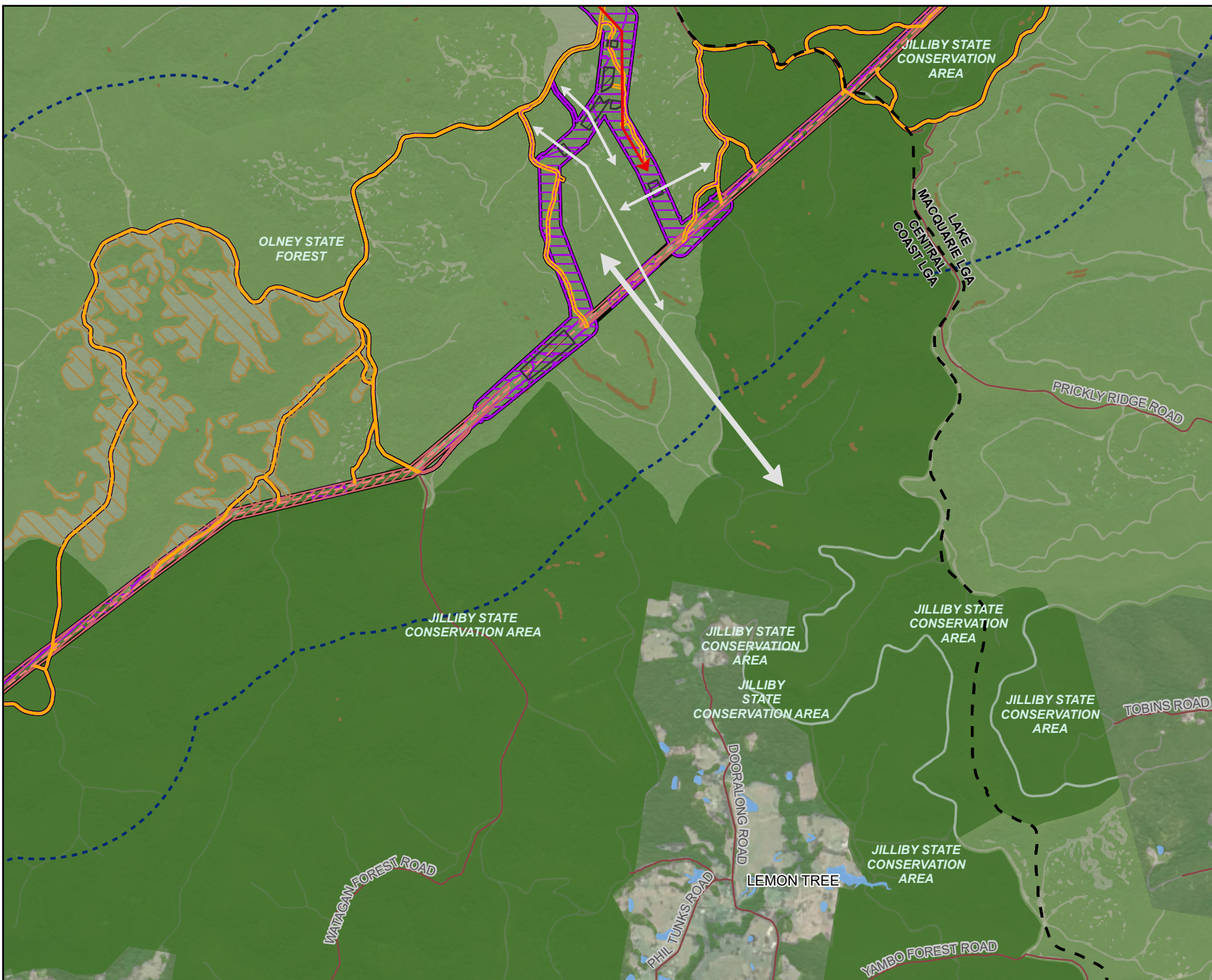
- Legend**
- Biodiversity study area
 - Local government area
 - Terrestrial connectivity buffers**
 - 1km buffer
 - 10km buffer
 - Barriers**
 - Road
 - Existing transmission line
 - Brownfield areas
 - Brownfield areas including potential locations of vehicle strike
 - Habitat features**
 - Waterbody
 - Cliff lines/escarpments
 - Remnant vegetation (within 10km of subject land)
 - NPWS reserve
 - State conservation area
 - Flora reserve
 - State forest
 - Hardwood plantation zone
 - Fauna connectivity locations



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 - NPWS reserve
 - State conservation area
 - State forest
 - Hardwood plantation zone
 - Fauna connectivity locations
 - Terrestrial connectivity (major)
 - Terrestrial connectivity (minor)

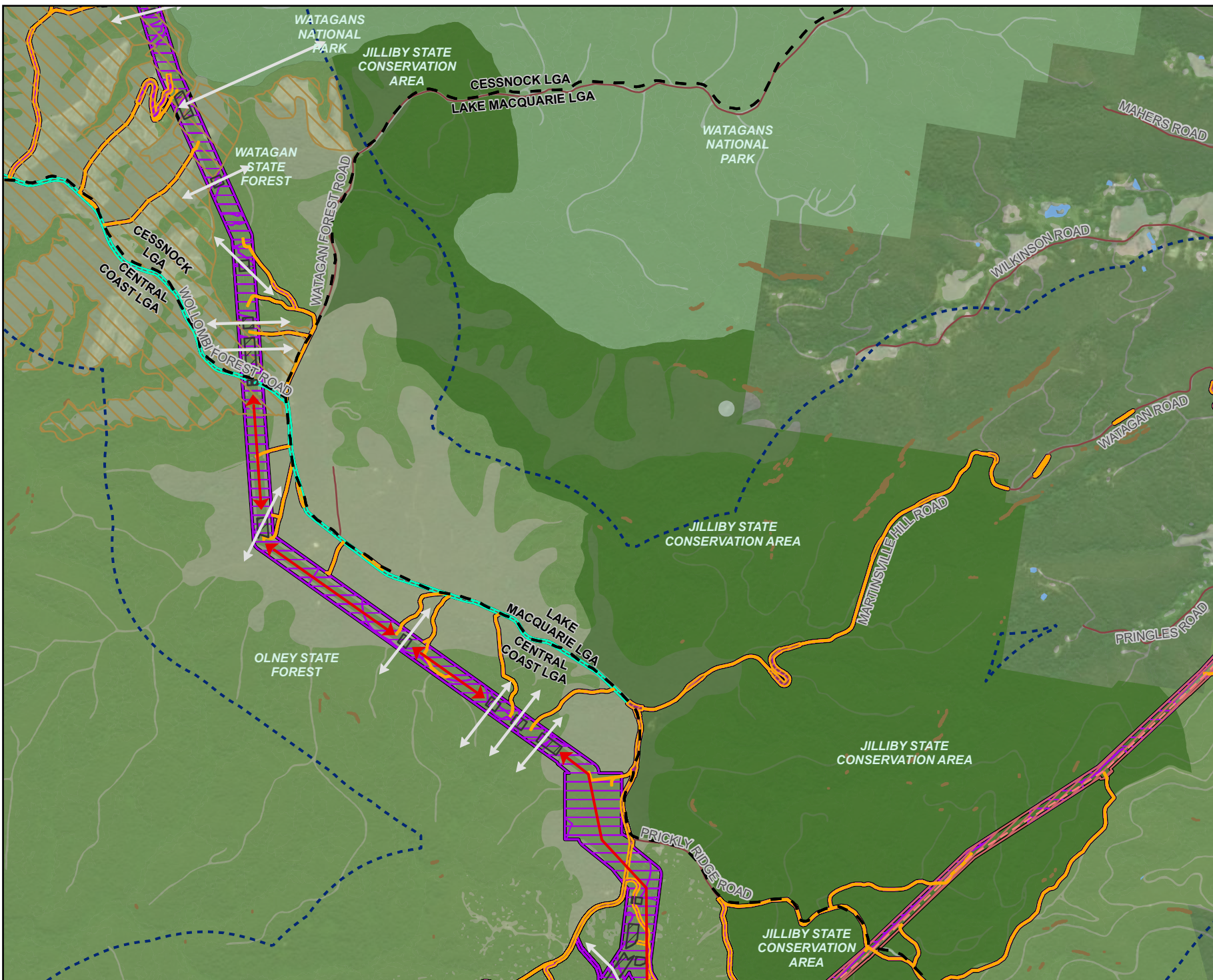


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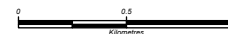
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Legend

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- Barriers**
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- Brownfield areas including potential locations of vehicle strike
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- Remnant vegetation (within 10km of subject land)
- NPWS reserve
- State conservation area
- State forest
- Hardwood plantation zone
- Fauna connectivity locations
- Terrestrial connectivity (minor)



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- Remnant vegetation (within 10km of subject land)
- NPWS reserve
- State conservation area
- State forest
- Fauna connectivity locations
- Watercourses (Strahler stream order)**
- 6



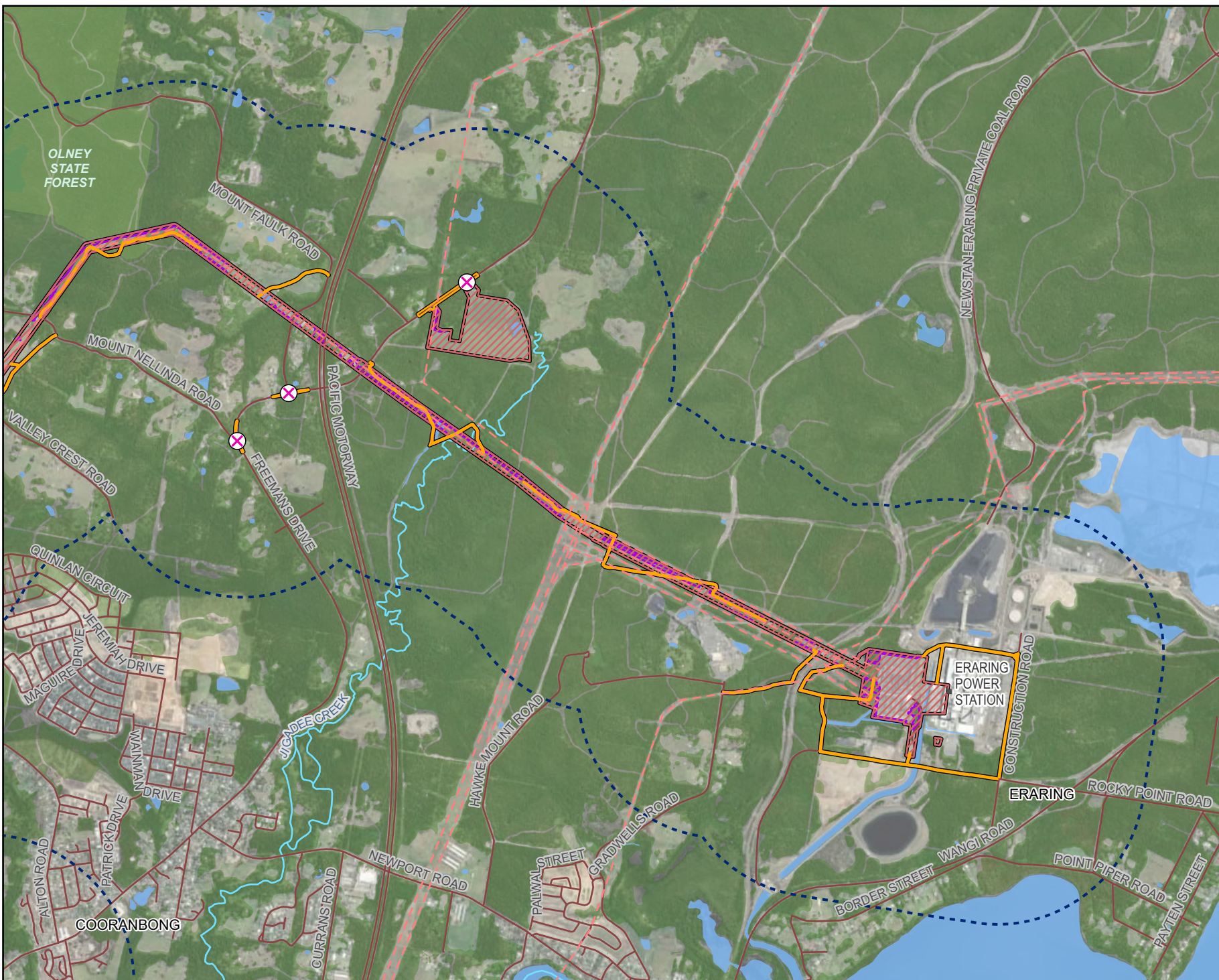
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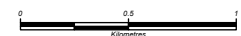
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Legend

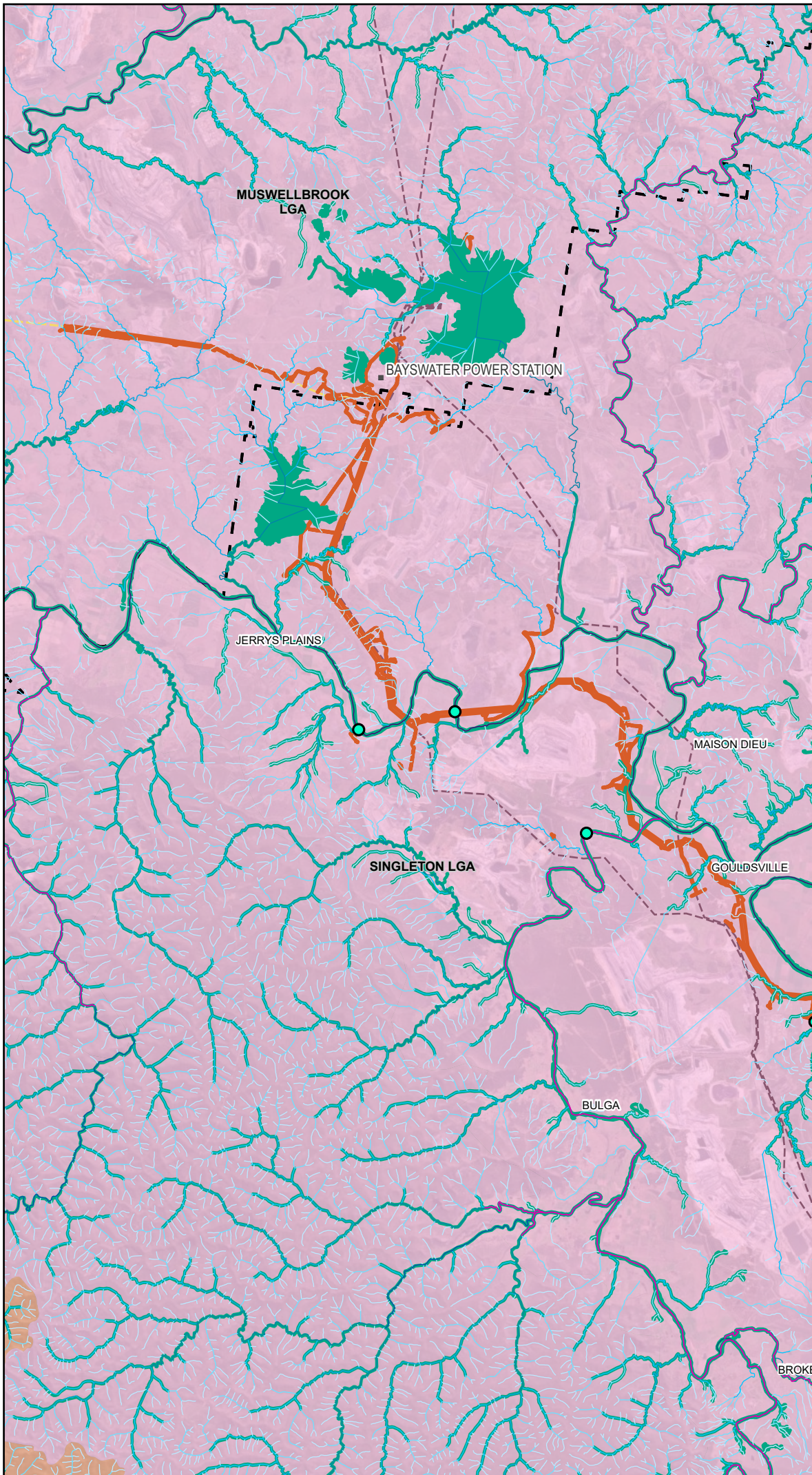
- Biodiversity study area
- Local government area
- Terrestrial connectivity buffers**
- 1km buffer
- 10km buffer
- Barriers**
- Road
- Power station
- Existing transmission line
- Potential locations of vehicle strike
- Brownfield areas
- Brownfield areas including potential locations of vehicle strike
- Habitat features**
- Waterbody
- Remnant vegetation (within 10km of subject land)
- Flora reserve
- State forest
- Fauna connectivity locations
- Watercourses (Strahler stream order)**
- 6



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Legend

- Biodiversity study area
 - Power station
 - 330 kV transmission line
 - 500 kV transmission line
 - Local government area
 - Southern Purple Spotted Gudgeon Indicative Distribution
 - Key fish habitat
 - Catchment boundary
 - Hawkesbury/Nepean
 - Hunter/Central Rivers
- Watercourse (strahler stream order)
- 1
 - 2
 - 3
 - 4
 - 5
 - 6
 - 7
 - 8
 - 9

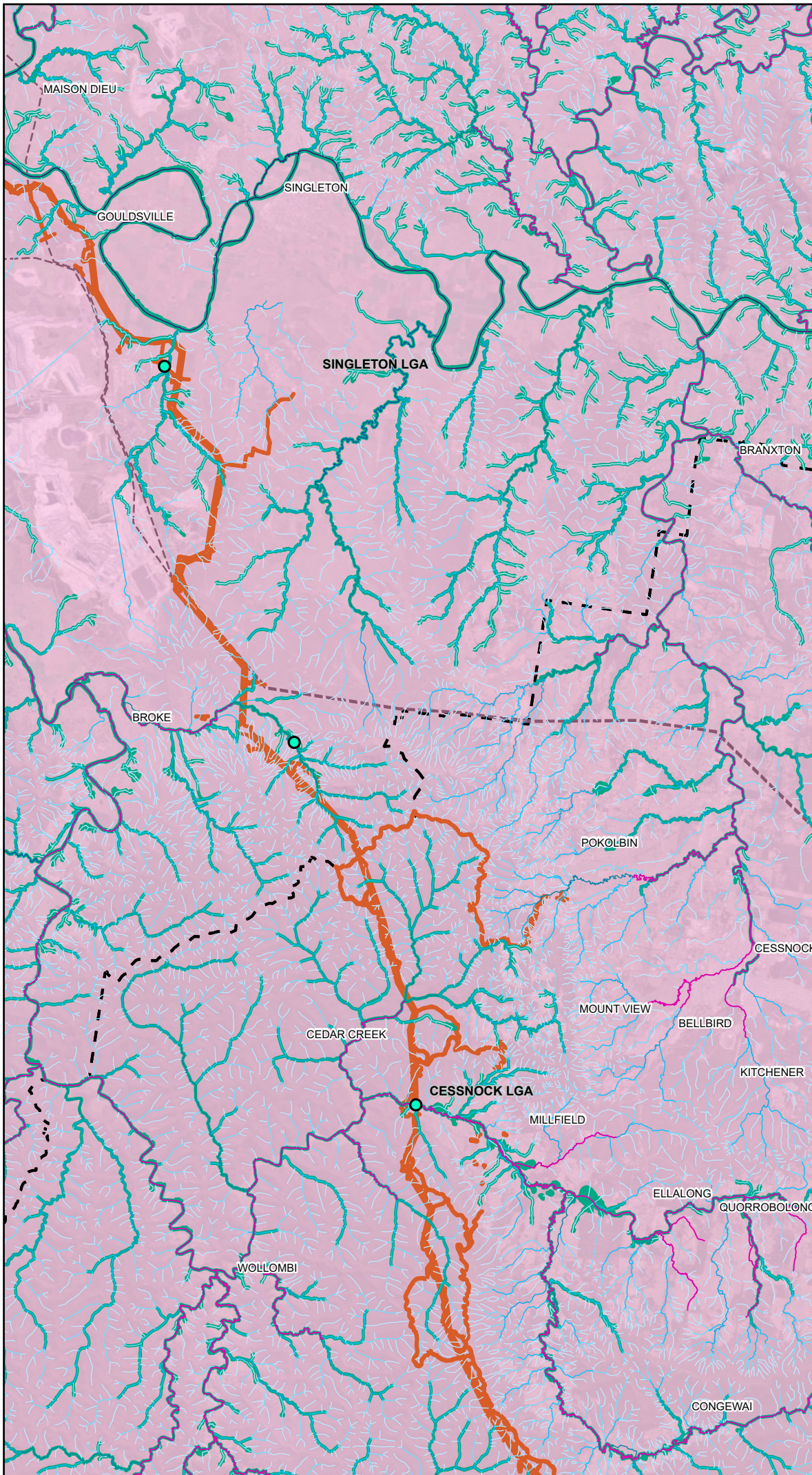


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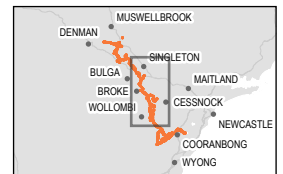
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Legend

- Biodiversity study area
- 330 kV transmission line
- - - Local government area
- Southern Purple Spotted Gudgeon Indicative Distribution
- Key fish habitat
- Catchment boundary
- Hunter/Central Rivers
- Watercourse (strahler stream order)
 - 1
 - 2
 - 3
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 - 8
 - 9



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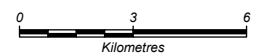
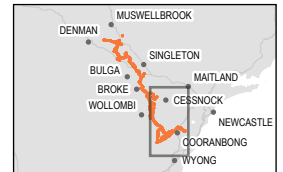
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Data sources: EMM, Beca, Geoscience Australia, NSW State Government, WSP
World Imagery: Earthstar Geographics

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Legend

- Biodiversity study area
- Power station
- 330 kV transmission line
- 500 kV transmission line
- Local government area
- Southern Purple Spotted Gudgeon Indicative Distribution
- Key fish habitat
- Catchment boundary**
- Hawkesbury/Nepean
- Hunter/Central Rivers
- Watercourse (strahler stream order)**
- 1
- 2
- 3
- 4
- 5
- 6

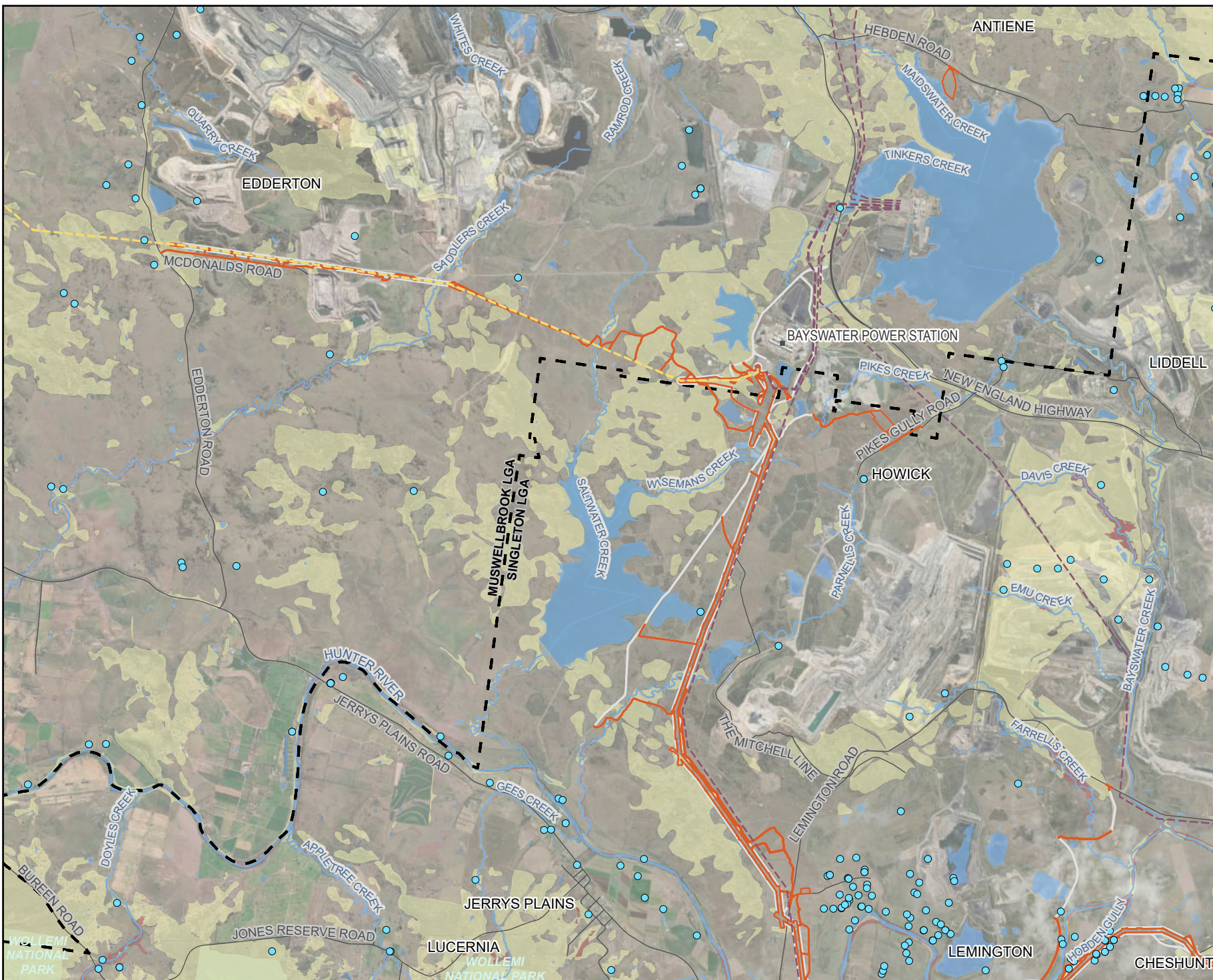


Coordinate system: GDA2020 MGA Zone 56
Scale ratio correct when printed at A4

1:200,000 Date: 12/01/2026

Data sources: EMM, Beca, Geoscience Australia, NSW State Government, WSP
World Imagery: Earthstar Geographics

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Legend

- Biodiversity study area
- Subject land
- Existing environment
- Road
- Power station
- - - 330 kV transmission line
- - - 500 kV transmission line
- Named watercourse
- Waterbody
- NPWS reserve
- Local government area
- Registered groundwater wells
- High potential GDE
- Low potential GDE



Coordinate system: GDA2020 MGA Zone 56

Scale ratio correct when printed at A4



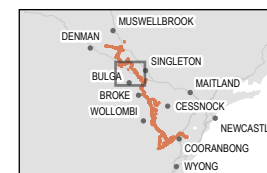
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Data sources: EMM, Beca, Geoscience Australia, NSW State Government, WSP
World Imagery: Earthstar Geographics

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Legend

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- Subject land
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- Road
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- Named watercourse
- Waterbody
- NPWS reserve
- Local government area
- Registered groundwater wells
- High potential GDE
- Moderate potential GDE
- Low potential GDE



Coordinate system: GDA2020 MGA Zone 56

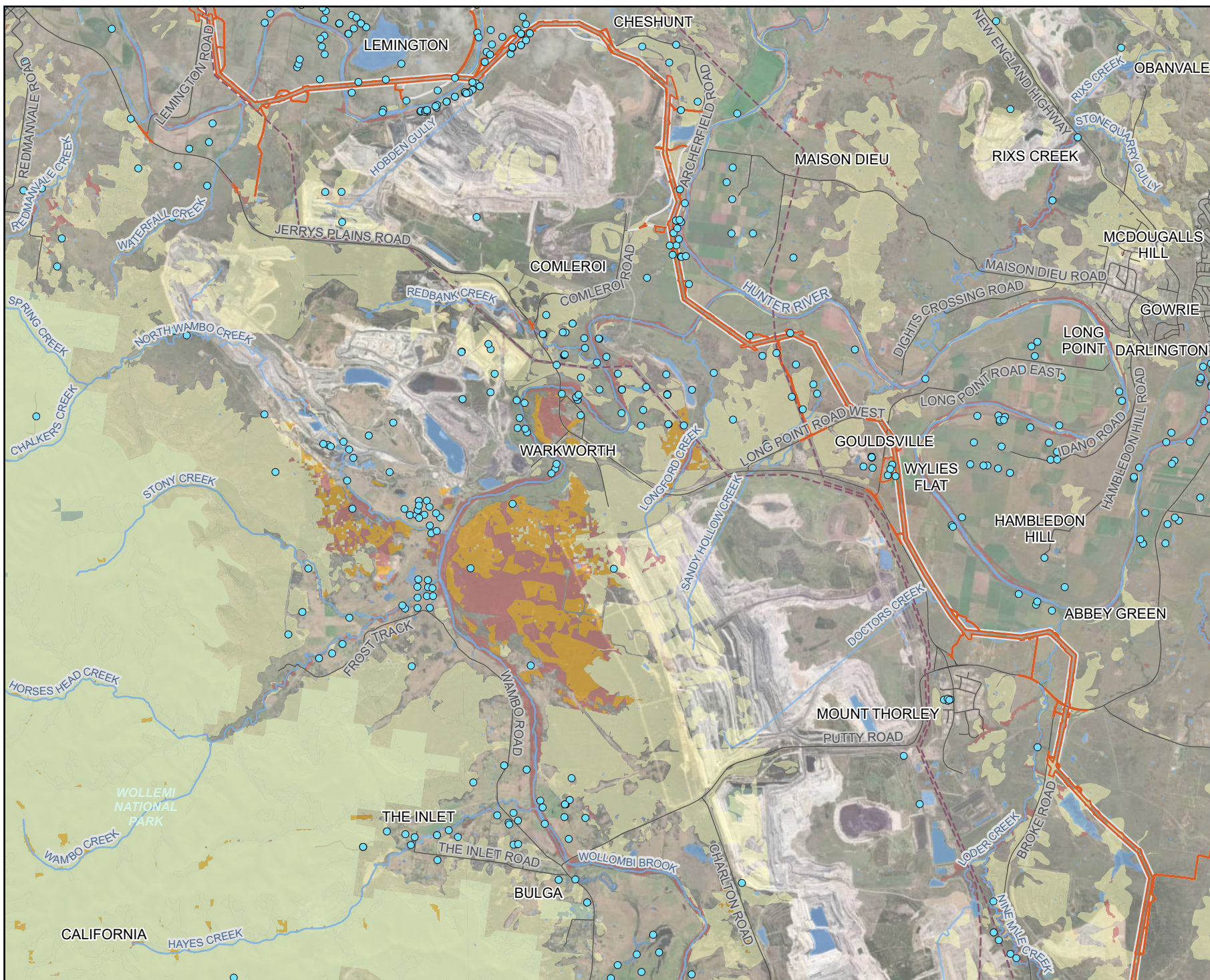
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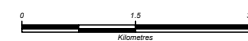
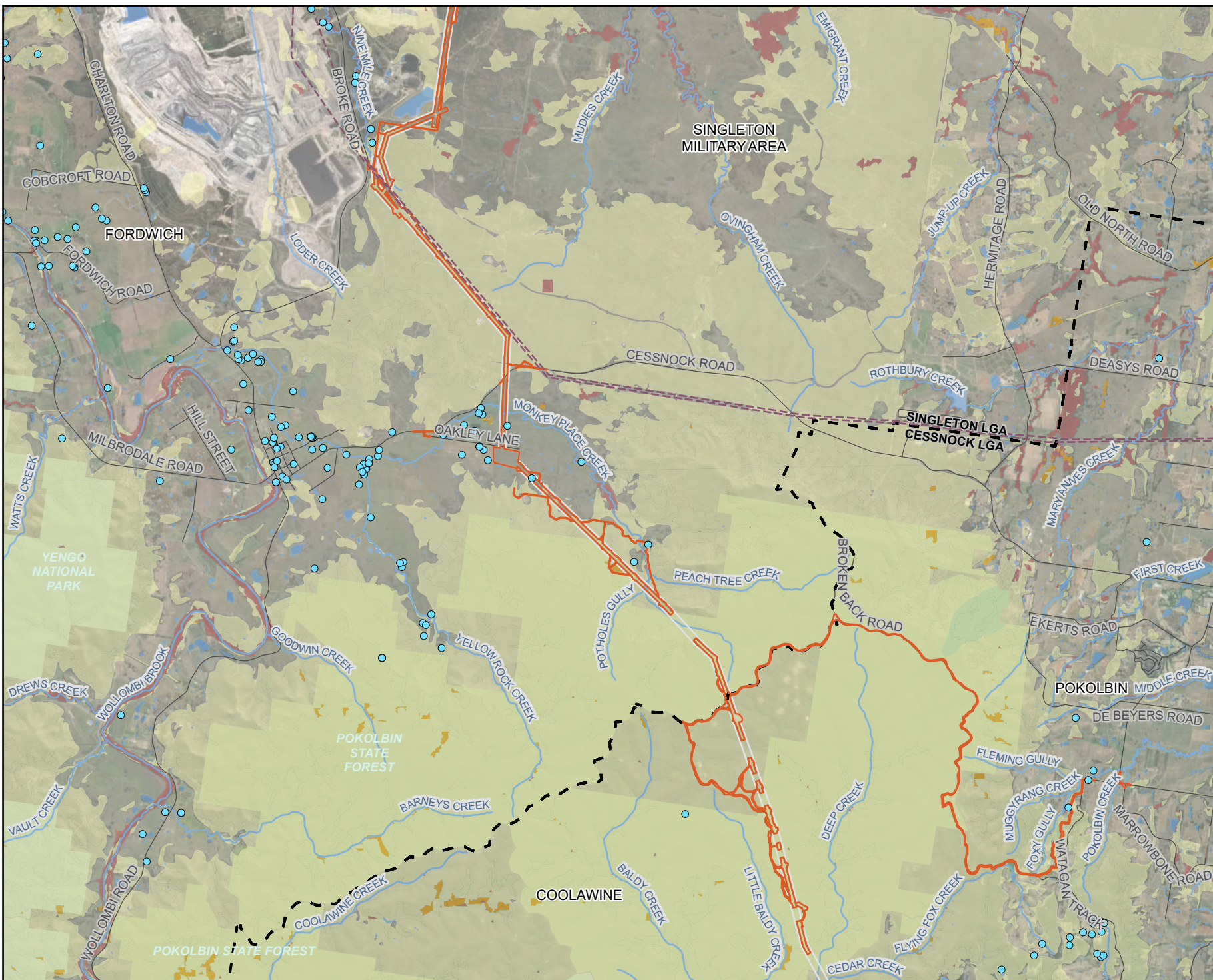
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Legend

- Biodiversity study area
- Subject land
- Existing environment
- Road
- 330 kV transmission line
- Named watercourse
- Waterbody
- NPWS reserve
- Flora reserve
- State forest
- Local government area
- Registered groundwater wells
- High potential GDE
- Moderate potential GDE
- Low potential GDE

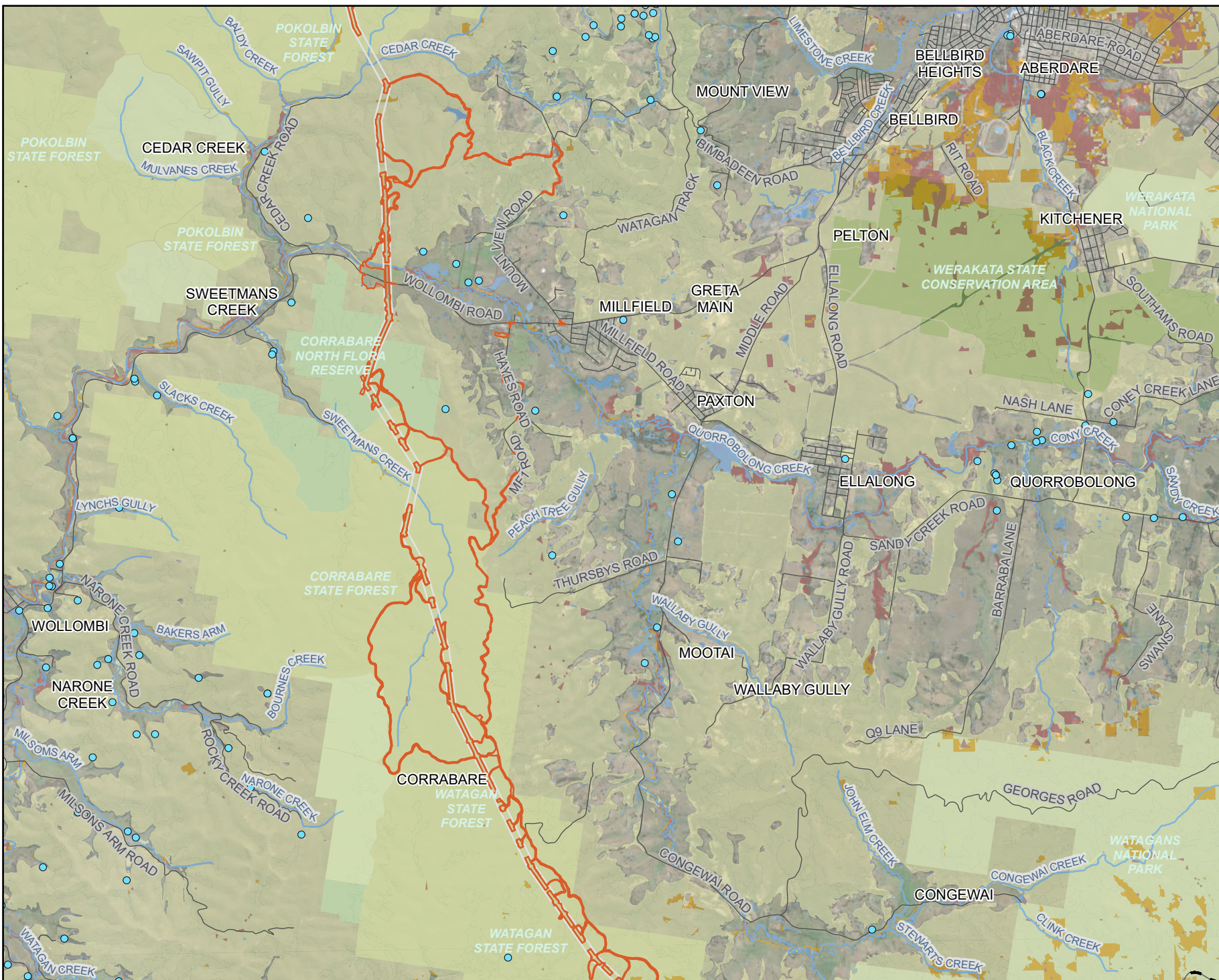


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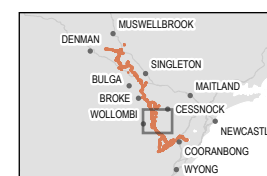
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Legend

- Biodiversity study area
- Subject land
- Existing environment
- Road
- Named watercourse
- Waterbody
- NPWS reserve
- State conservation area
- Flora reserve
- State forest
- Local government area
- Registered groundwater wells
- High potential GDE
- Moderate potential GDE
- Low potential GDE



Coordinate system: GDA2020 MGA Zone 56

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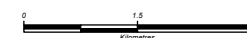
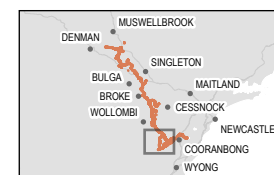
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Legend

- Biodiversity study area
- Subject land
- Existing environment
- Road
- 330 kV transmission line
- 500 kV transmission line
- Named watercourse
- Waterbody
- NPWS reserve
- State conservation area
- Flora reserve
- State forest
- Local government area
- Registered groundwater wells
- High potential GDE
- Moderate potential GDE
- Low potential GDE



Coordinate system: GDA2020 MGA Zone 56

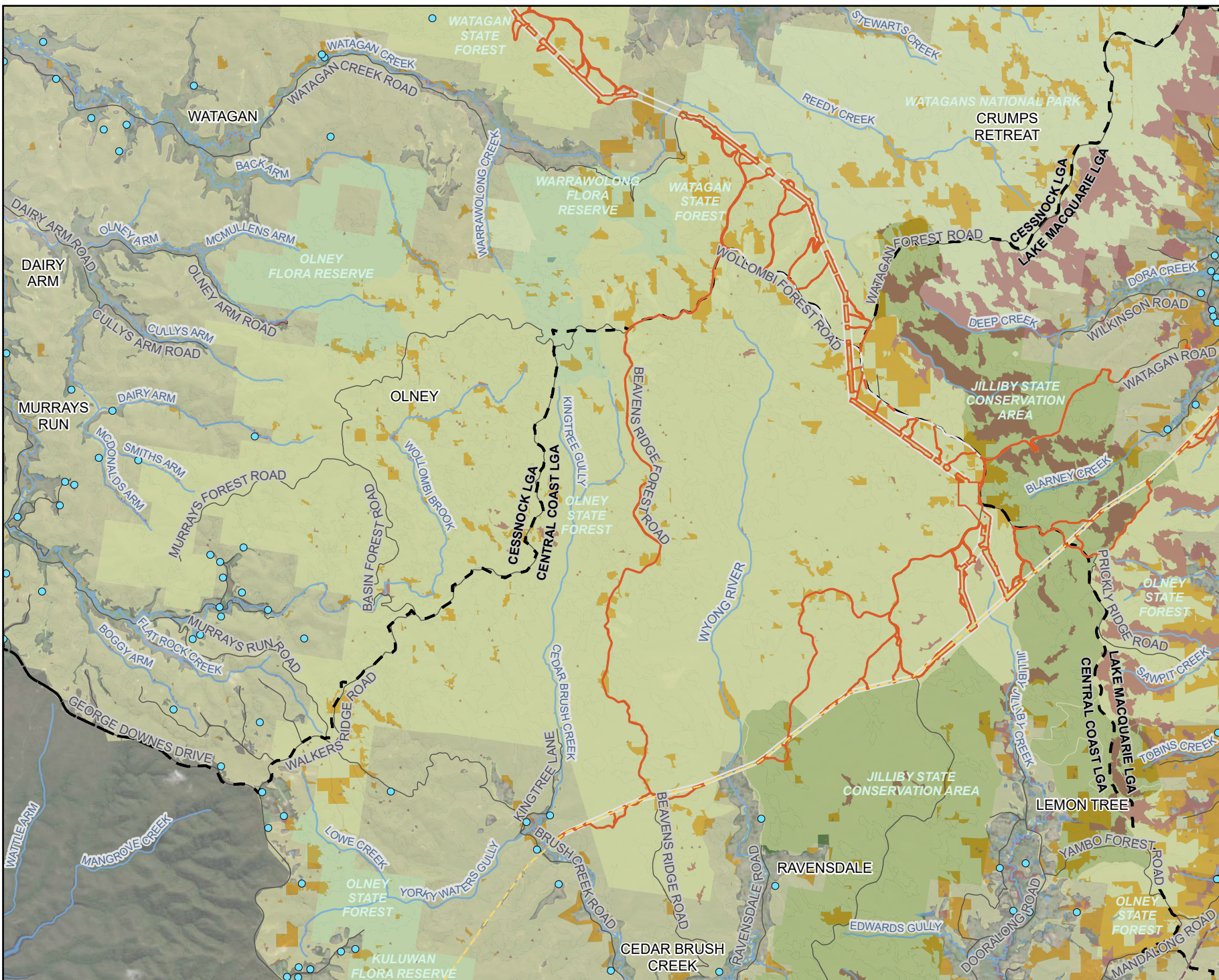
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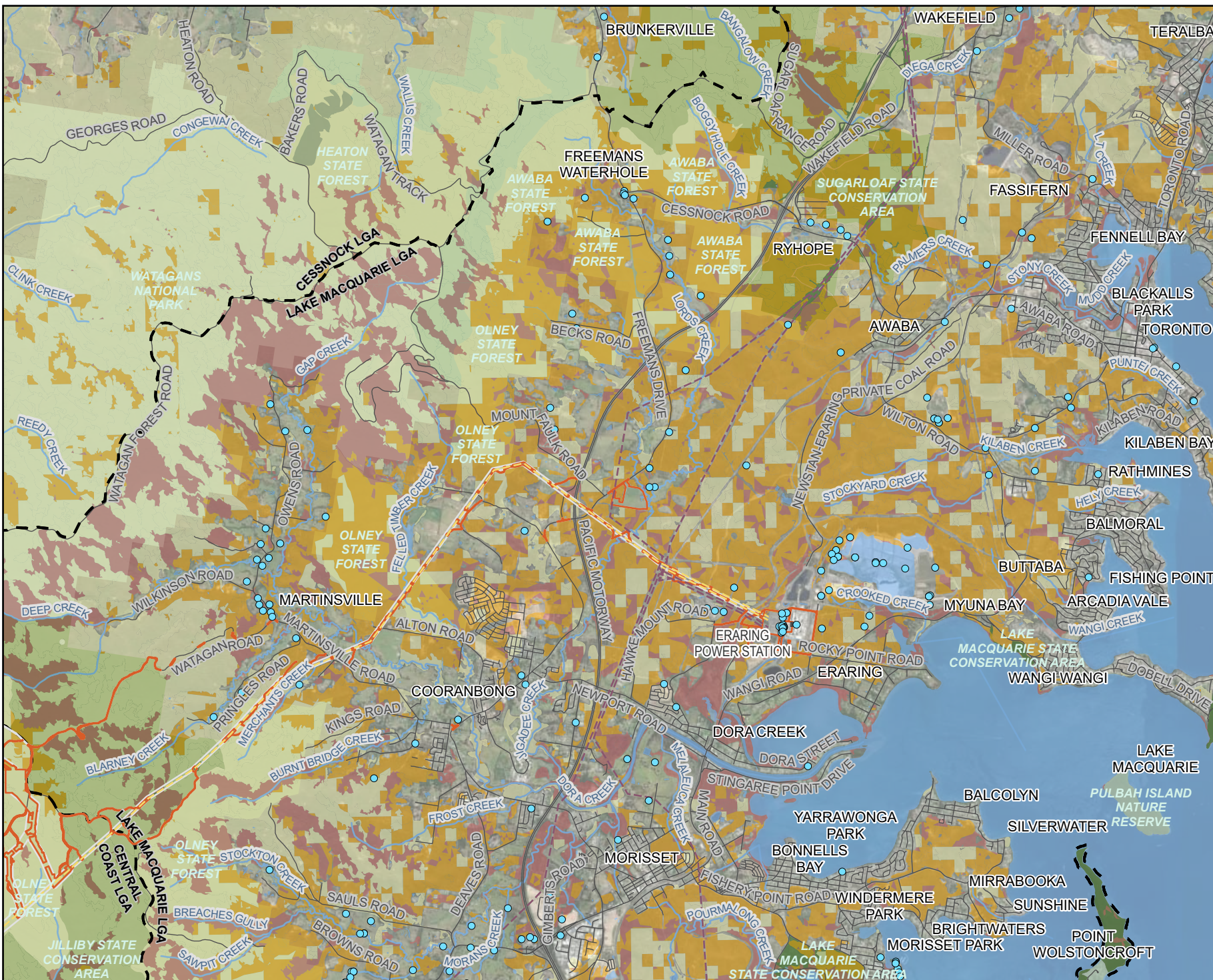
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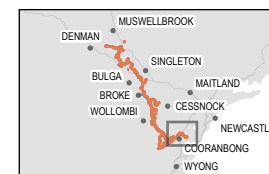
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- Biodiversity study area
- Subject land
- Existing environment
- Road
- Power station
- 330 kV transmission line
- 500 kV transmission line
- Named watercourse
- Waterbody
- NPWS reserve
- State conservation area
- Flora reserve
- State forest
- Local government area
- Registered groundwater wells
- High potential GDE
- Moderate potential GDE
- Low potential GDE



0 1.5 3
Kilometres



Coordinate system: GDA2020 MGA Zone 56

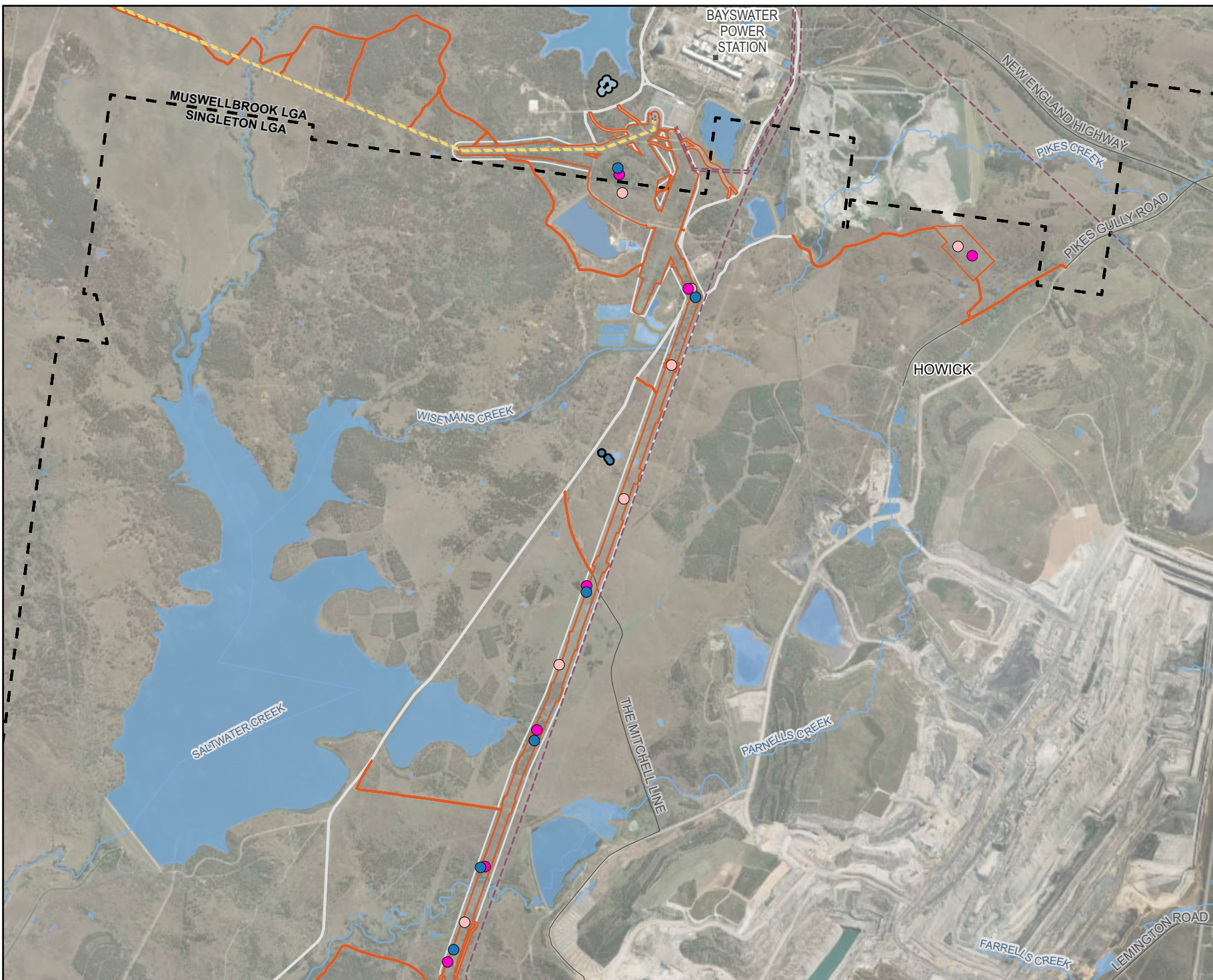
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Data sources: EMM, Beca, Geoscience Australia, NSW State Government, WSP
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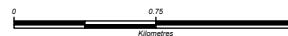
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Figure 14.21
Locations to target avoidance and
minimisation of TECs, threatened species
habitats and connectivity during detailed design
Page 1 of 16



Legend

- Biodiversity study area
- Subject land
- Existing environment
- Road
- Power station
- 330 kV transmission line
- 500 kV transmission line
- Named watercourse
- Waterbody
- Local government area
- Avoidance micro-siting areas
- Threatened species habitats and connectivity
- Central Hunter Grey Box-Ironbark Woodland TEC
- Central Hunter Valley eucalypt forest and woodland TEC
- Sensitive biodiversity area (flora)
- Diuris tricolor*
- Eucalyptus camaldulensis*



Coordinate system: GDA2020 MGA Zone 56

Scale ratio correct when printed at A4



1:40,000 Date: 30/01/2026

Data sources: EMM, Beca, Geoscience Australia, NSW State Government, WSP
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Figure 14.21
Locations to target avoidance and
minimisation of TECs, threatened species
habitats and connectivity during detailed design
Page 2 of 16



Legend

- Biodiversity study area
- Subject land
- Existing environment
- Road
- - - 330 kV transmission line
- Named watercourse
- Waterbody
- Local government area
- Avoidance micro-siting areas
- Threatened species habitats and connectivity
- Central Hunter Grey Box-Ironbark Woodland TEC
- Central Hunter Valley eucalypt forest and woodland TEC
- Hunter Floodplain Red Gum Woodland TEC
- Eucalyptus camaldulensis* Sensitive biodiversity area (flora)
- Cymbidium canaliculatum*
- Eucalyptus camaldulensis*



Coordinate system: GDA2020 MGA Zone 56

Scale ratio correct when printed at A4

GDA 2020 1:40,000 Date: 30/01/2026

Data sources: EMM, Beca, Geoscience Australia, NSW State Government, WSP
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Figure 14.21
Locations to target avoidance and
minimisation of TECs, threatened species
habitats and connectivity during detailed design
Page 3 of 16



Legend

- Biodiversity study area
- Subject land
- Existing environment
- Road
- 330 kV transmission line
- Named watercourse
- Waterbody
- Local government area
- Avoidance micro-siting areas
- Threatened species habitats and connectivity
- Central Hunter Grey Box-Ironbark Woodland TEC
- Central Hunter Valley eucalypt forest and woodland TEC
- Hunter Floodplain Red Gum Woodland TEC
- Eucalyptus camaldulensis* Sensitive biodiversity area (flora)
- Eucalyptus camaldulensis*



Coordinate system: GDA2020 MGA Zone 56

Scale ratio correct when printed at A4

1:40,000 Date: 30/01/2026

Data sources: EMM, Beca, Geoscience Australia, NSW State Government, WSP World Imagery, Vantor

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Figure 14.21
Locations to target avoidance and
minimisation of TECs, threatened species
habitats and connectivity during detailed design
Page 4 of 16



- Legend**
- Biodiversity study area
 - ▭ Subject land
 - Existing environment
 - Road
 - - - 330 kV transmission line
 - Named watercourse
 - Waterbody
 - Local government area
 - Avoidance micro-siting areas
 - Threatened species habitats and connectivity
 - Central Hunter Grey Box-Ironbark Woodland TEC
 - Central Hunter Valley eucalypt forest and woodland TEC



Coordinate system: GDA2020 MGA Zone 56
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GDA 2020 1:40,000 Date: 30/01/2026

Data sources: EMM, Beca, Geoscience Australia, NSW State Government, WSP
World Imagery: Vantor

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Figure 14.21
Locations to target avoidance and
minimisation of TECs, threatened species
habitats and connectivity during detailed design
Page 5 of 16



Legend

- Biodiversity study area
- Subject land
- Existing environment
- Road
- 330 kV transmission line
- Named watercourse
- Waterbody
- Local government area
- Swift parrot important areas
- Avoidance micro-siting areas
- Threatened species habitats and connectivity
- Central Hunter Grey Box-Ironbark Woodland TEC
- Central Hunter Valley eucalypt forest and woodland TEC



Coordinate system: GDA2020 MGA Zone 56

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1:40,000 Date: 30/01/2026

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Figure 14.21
Locations to target avoidance and
minimisation of TECs, threatened species
habitats and connectivity during detailed design
Page 6 of 16



Legend

- Biodiversity study area
- Subject land
- Existing environment
- Road
- 330 kV transmission line
- Named watercourse
- Waterbody
- State forest
- Local government area
- Swift parrot important areas
- Regent honeyeater important areas
- Avoidance micro-siting areas
- Threatened species habitats and connectivity
- Central Hunter Grey Box-Ironbark Woodland TEC
- Central Hunter Valley eucalypt forest and woodland TEC
- Central Hunter Ironbark TEC
- Lower Hunter Spotted Gum Ironbark Forest TEC
- Pterostylis gibbosa*
- Rhodamnia rubescens*
- Sensitive biodiversity area (flora)
- Cymbidium canaliculatum*
- Prostanthera cineolifera*
- Pterostylis gibbosa*



Coordinate system: GDA2020 MGA Zone 56

Scale ratio correct when printed at A4



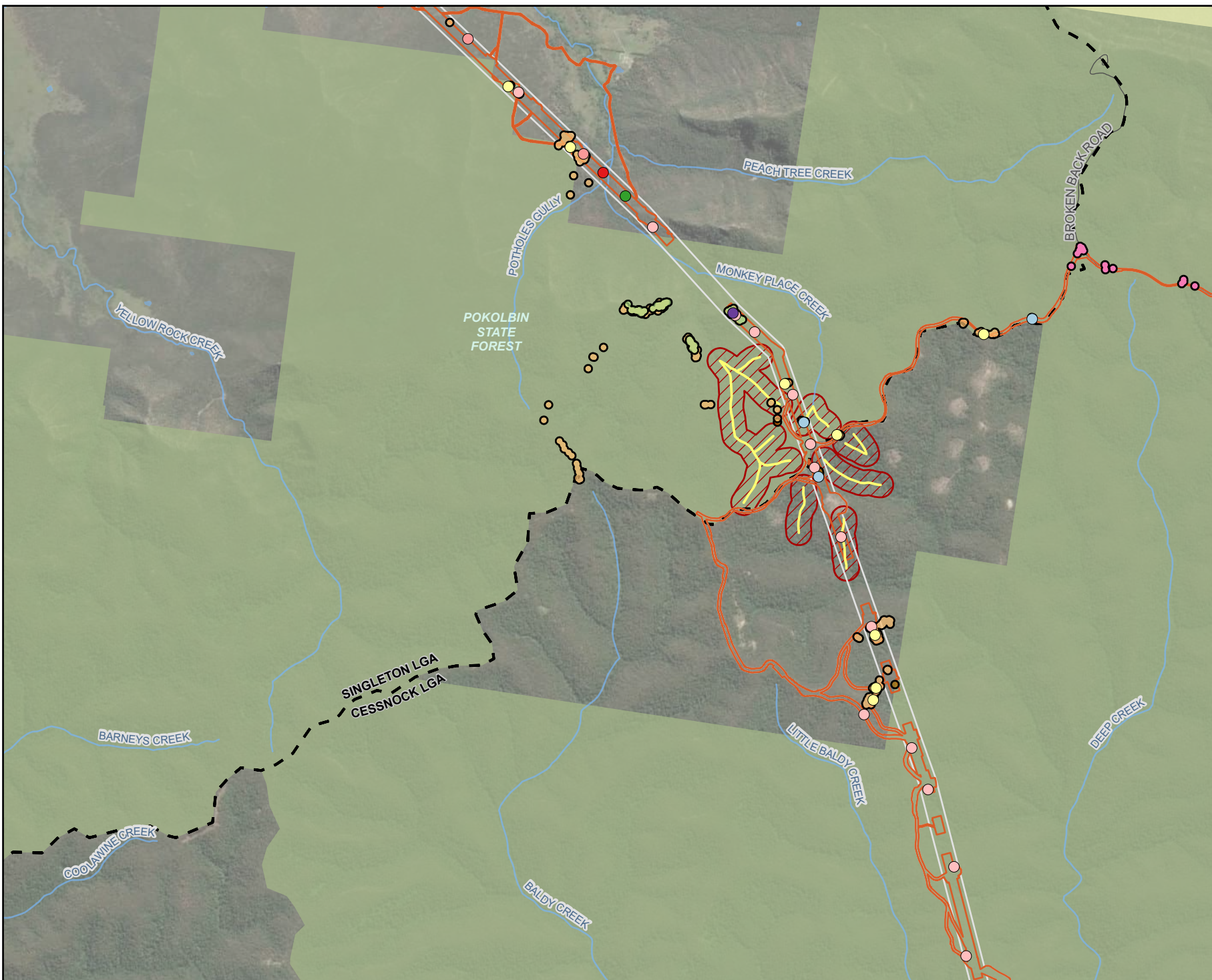
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Figure 14.21
Locations to target avoidance and
minimisation of TECs, threatened species
habitats and connectivity during detailed design
Page 7 of 16



Legend

- Biodiversity study area
- Subject land
- Existing environment
- Road
- Named watercourse
- Waterbody
- State forest
- Local government area
- Regent honeyeater important areas
- Avoidance micro-siting areas
- Threatened species habitats and connectivity
- Hunter Lowland Redgum Forest TEC
- Lower Hunter Spotted Gum Ironbark Forest TEC
- River-Flat Eucalypt Forest on Coastal Floodplains TEC
- Eucalyptus fracta*
- Prostanthera cineolifera*
- Rhodannia rubescens*
- Sensitive biodiversity area (flora)
- Brachyscome brownii*
- Eucalyptus fracta*
- Prostanthera cineolifera*
- Sensitive biodiversity area (*Rhodannia rubescens*)
- Sensitive biodiversity area (riparian ground protection)
- Sensitive biodiversity area (amphibians)
- Red-crowned Toadlet



Coordinate system: GDA2020 MGA Zone 56

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Figure 14.21
Locations to target avoidance and
minimisation of TECs, threatened species
habitats and connectivity during detailed design
Page 8 of 16



Legend

- Biodiversity study area
- Subject land
- Existing environment
- Road
- Named watercourse
- Waterbody
- Flora reserve
- State forest
- Local government area
- Regent honeyeater important areas
- Avoidance micro-siting areas
- Threatened species habitats and connectivity
- Prostanthera cineolifera*
- Rhodammia rubescens*
- Sensitive biodiversity area (flora)
- Brachyscome brownii*
- Prostanthera cineolifera*
- Sensitive biodiversity area (*Rhodammia rubescens*)
- Sensitive biodiversity area (riparian ground protection)
- Sensitive biodiversity area (amphibians)
- Red-crowned Toadlet



Coordinate system: GDA2020 MGA Zone 56

Scale ratio correct when printed at A4

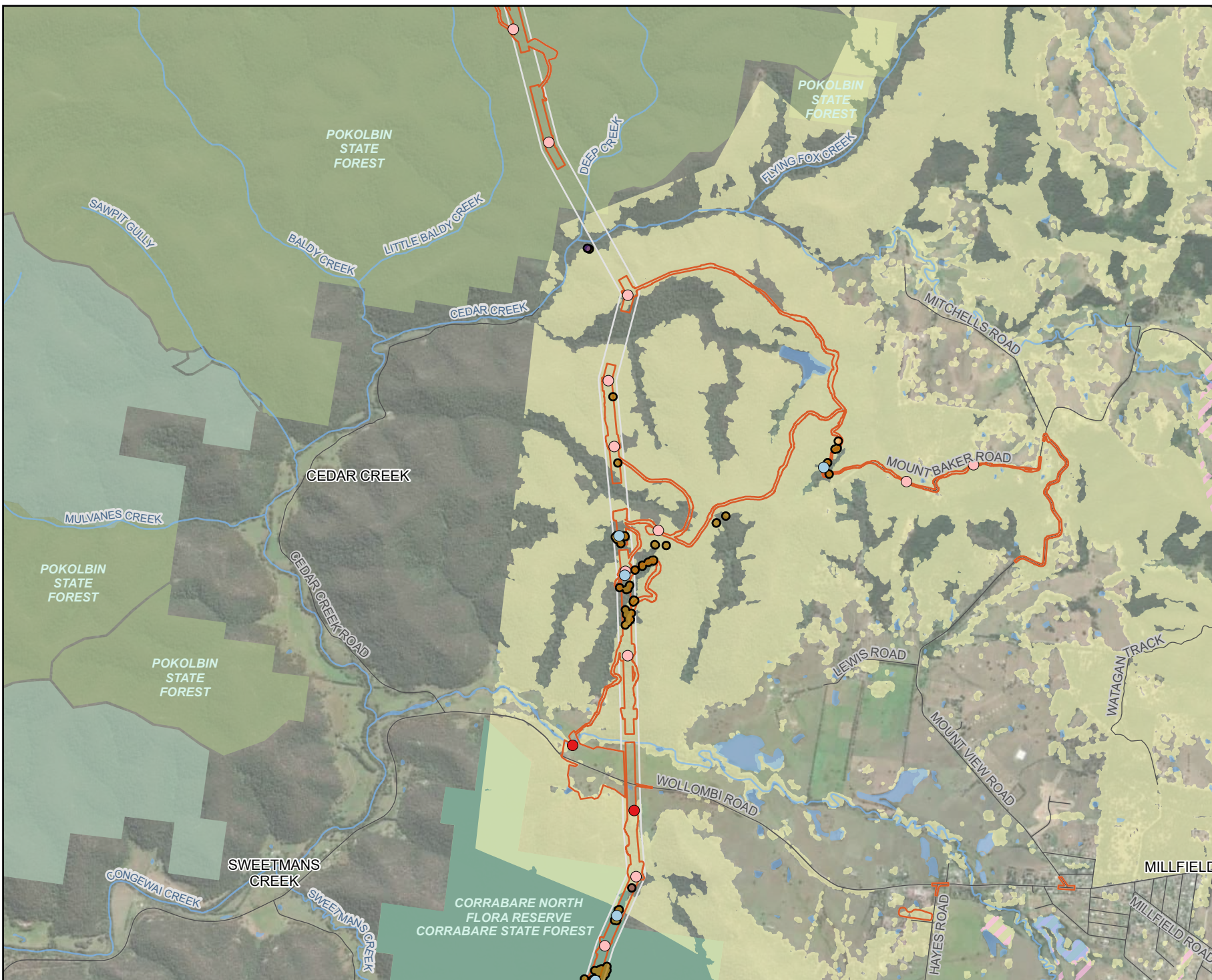


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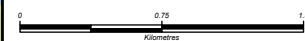
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Figure 14.21
Locations to target avoidance and
minimisation of TECs, threatened species
habitats and connectivity during detailed design
Page 9 of 16



- Legend**
- Biodiversity study area
 - ▭ Subject land
 - Existing environment
 - Road
 - Named watercourse
 - Waterbody
 - NPWS reserve
 - Flora reserve
 - State forest
 - Local government area
 - Swift parrot important areas
 - Regent honeyeater important areas
 - Avoidance micro-siting areas
 - Threatened species habitats and connectivity
 - River-Flat Eucalypt Forest on Coastal Floodplains TEC
 - Rhodamnia rubescens*
 - Sensitive biodiversity area (flora)
 - Melaleuca groveana*
 - Prostanthera cineolifera*
 - Senna acclinis*
 - Sensitive biodiversity area (*Rhodamnia rubescens*)



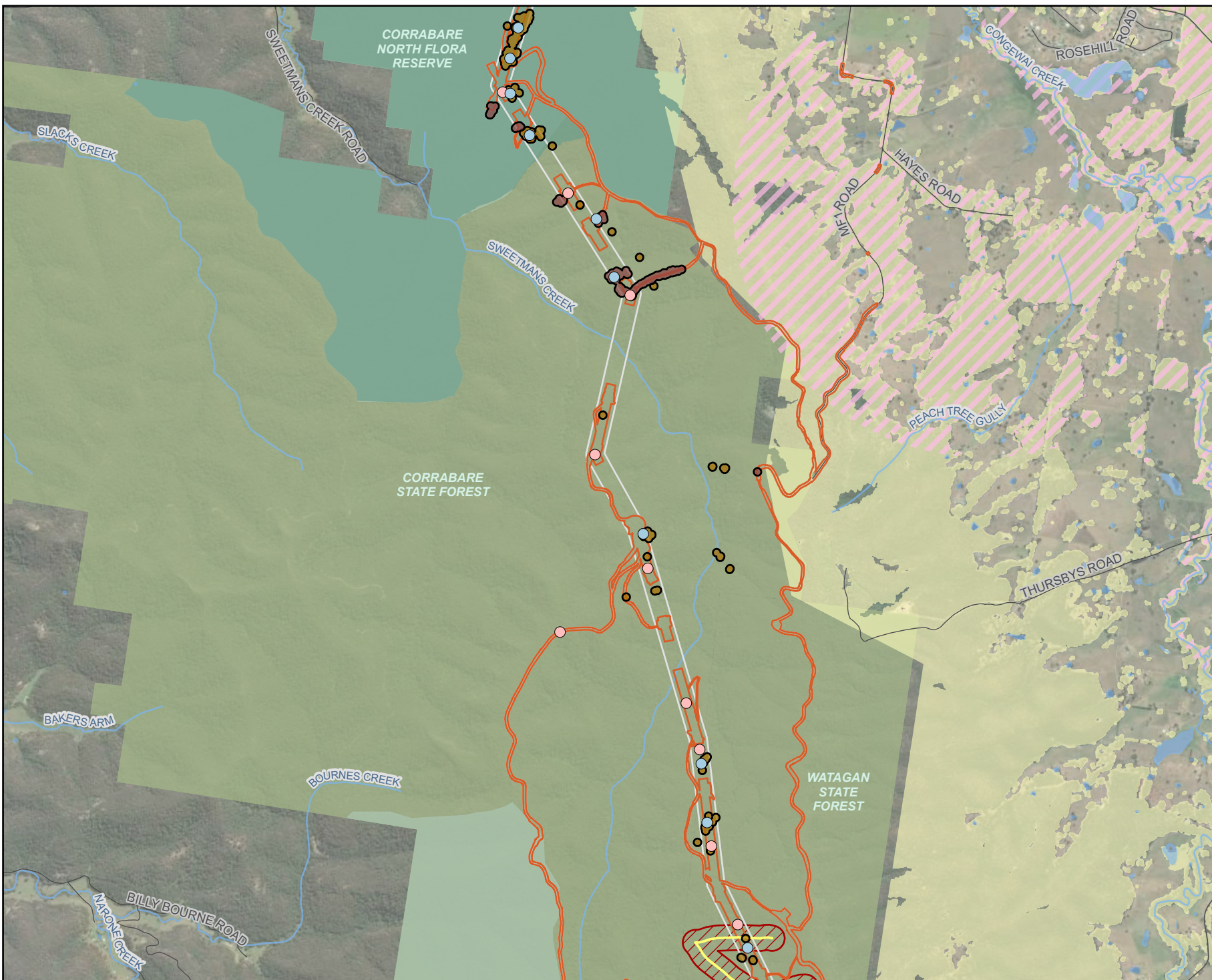
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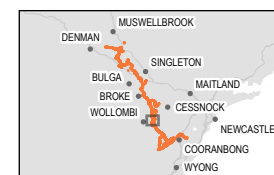
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Figure 14.21
Locations to target avoidance and
minimisation of TECs, threatened species
habitats and connectivity during detailed design
Page 10 of 16



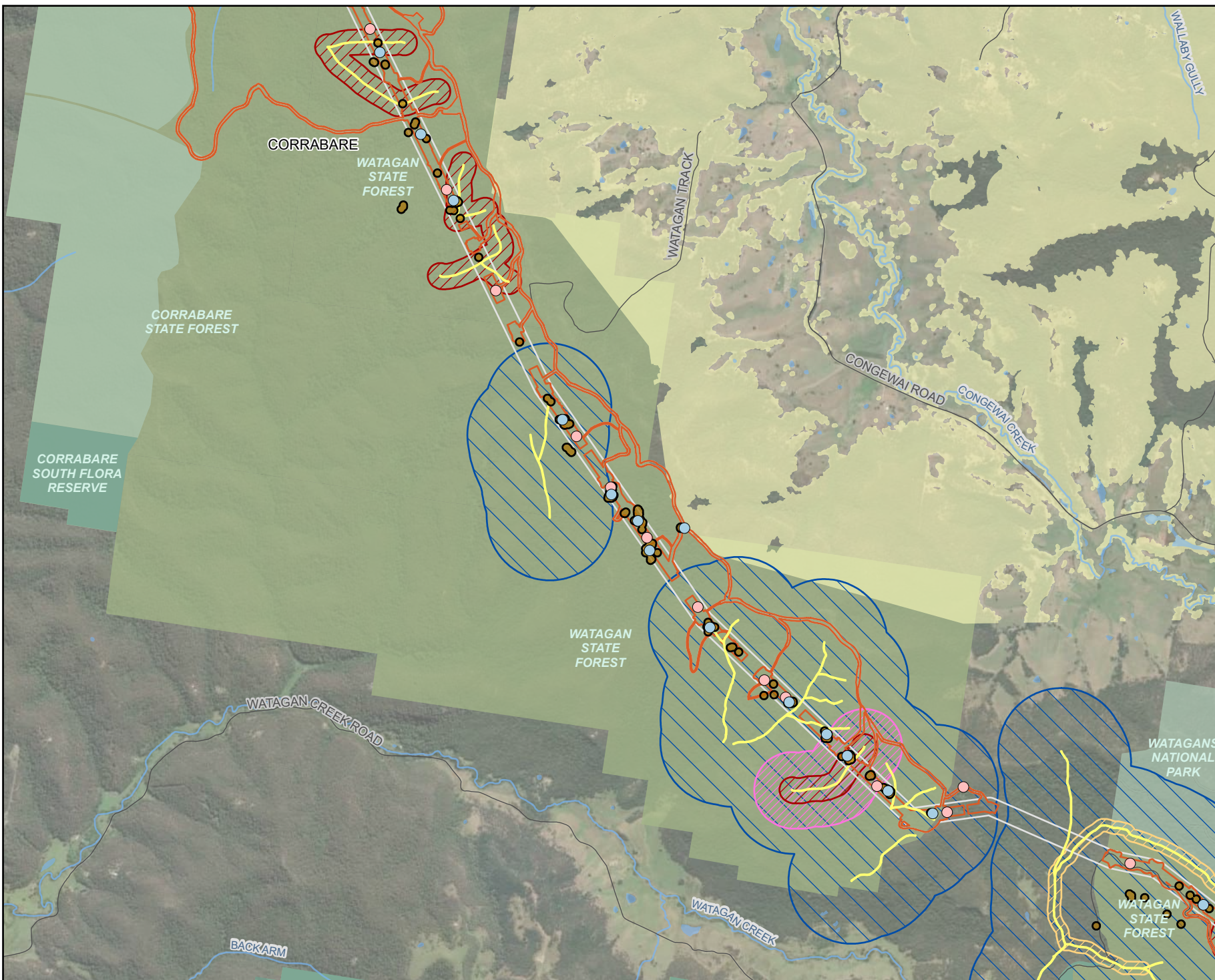
- Legend**
- Biodiversity study area
 - ▭ Subject land
 - Existing environment
 - Road
 - Named watercourse
 - Waterbody
 - NPWS reserve
 - Flora reserve
 - State forest
 - Local government area
 - Swift parrot important areas
 - Regent honeyeater important areas
 - Avoidance micro-siting areas
 - Threatened species habitats and connectivity
 - *Rhodammia rubescens*
 - Sensitive biodiversity area (flora)
 - *Melaleuca groveana*
 - Sensitive biodiversity area (*Rhodammia rubescens*)
 - Sensitive biodiversity area (riparian ground protection)
 - Sensitive biodiversity area (amphibians)
 - ▨ Red-crowned Toadlet



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GDA 2020 1:40,000 Date: 30/01/2026

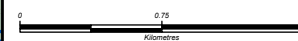
Data sources: EMM, Beca, Geoscience Australia, NSW State Government, WSP
World Imagery: Earthstar Geographics
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Figure 14.21
Locations to target avoidance and
minimisation of TECs, threatened species
habitats and connectivity during detailed design
Page 11 of 16



Legend

- Biodiversity study area
- Subject land
- Existing environment
- Road
- Named watercourse
- Waterbody
- NPWS reserve
- Flora reserve
- State forest
- Local government area
- Regent honeyeater important areas
- Avoidance micro-siting areas
- Threatened species habitats and connectivity
- Rhodamnia rubescens*
- Sensitive biodiversity area (*Rhodamnia rubescens*)
- Sensitive biodiversity area (riparian ground protection)
- Sensitive biodiversity area (amphibians)
- Giant Barred Frog
- Giant Burrowing Frog
- Red-crowned Toadlet
- Stuttering Frog



Coordinate system: GDA2020 MGA Zone 56

Scale ratio correct when printed at A4

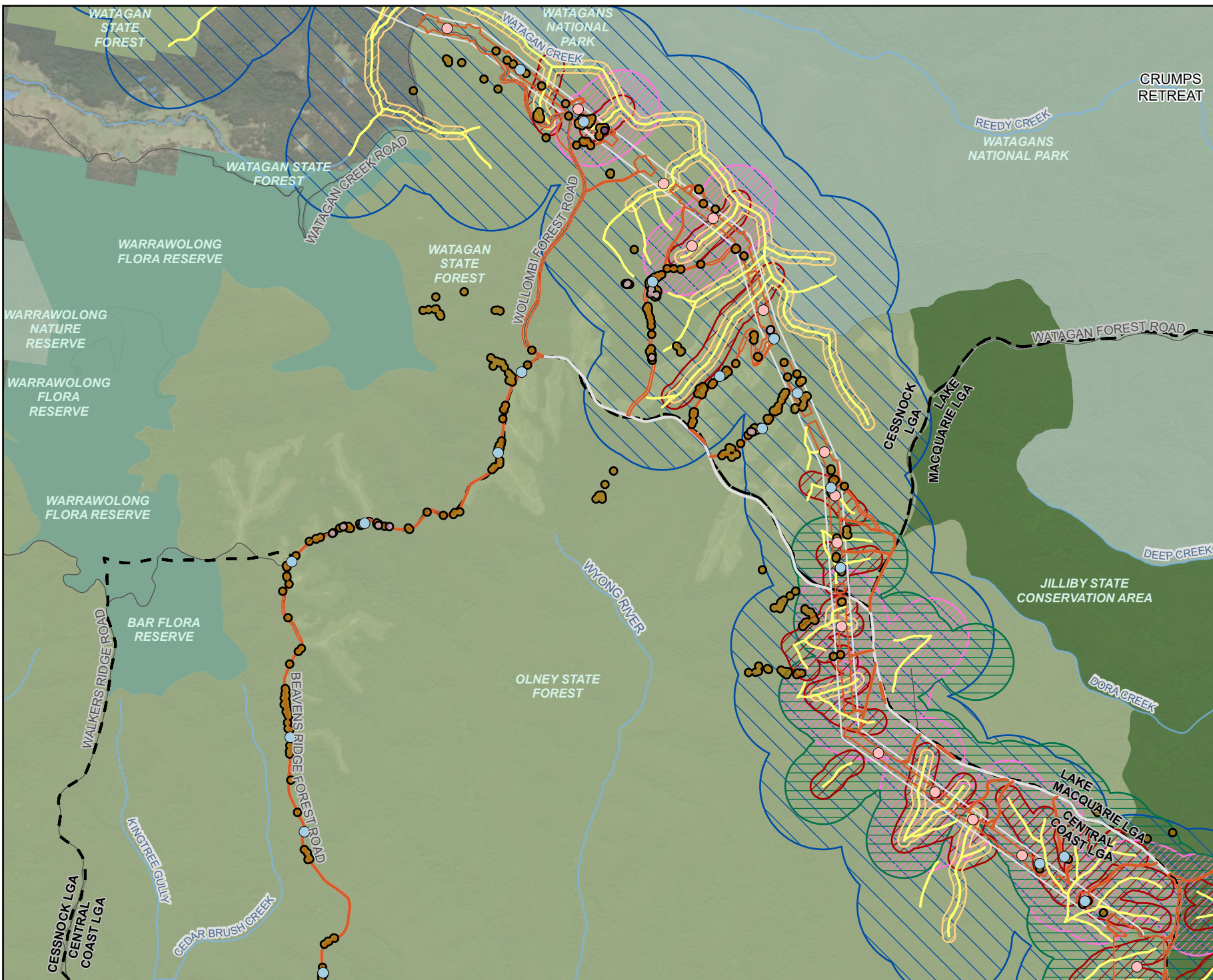


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Data sources: EMM, Beca, Geoscience Australia, NSW State Government, WSP
World Imagery: Earthstar Geographics

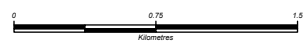
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Figure 14.21
Locations to target avoidance and
minimisation of TECs, threatened species
habitats and connectivity during detailed design
Page 12 of 16



Legend

- Biodiversity study area
- Subject land
- Existing environment
- Road
- Named watercourse
- Waterbody
- NPWS reserve
- State conservation area
- Flora reserve
- State forest
- Local government area
- Avoidance micro-siting areas
- Threatened species habitats and connectivity
- Rhodamnia rubescens*
- Sensitive biodiversity area (*Rhodamnia rubescens*)
- Senna acclinis*
- Sensitive biodiversity area
- Sensitive biodiversity area (riparian ground protection)
- Sensitive biodiversity area (amphibians)
- Giant Barred Frog
- Giant Burrowing Frog
- Littlejohn's Tree Frog
- Red-crowned Toadlet
- Stuttering Frog



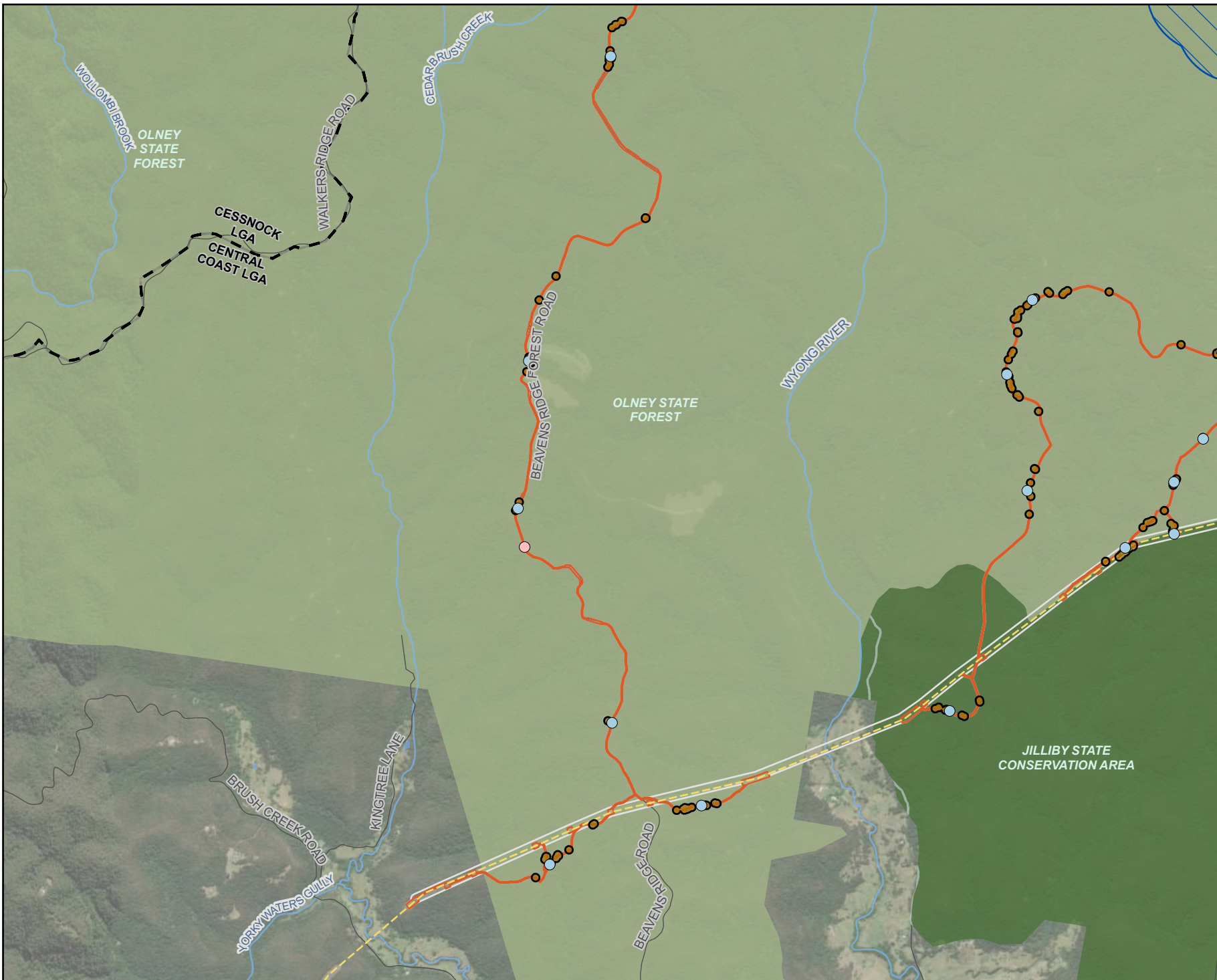
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World Imagery: Earthstar Geographics

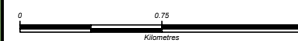
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Figure 14.21
Locations to target avoidance and
minimisation of TECs, threatened species
habitats and connectivity during detailed design
Page 13 of 16



Legend

- Biodiversity study area
- Subject land
- Existing environment
- Road
- 500 kV transmission line
- Named watercourse
- Waterbody
- NPWS reserve
- State conservation area
- State forest
- Local government area
- Avoidance micro-siting areas
- Threatened species habitats and connectivity
- Rhodamnia rubescens*
- Sensitive biodiversity area (*Rhodamnia rubescens*)
- Sensitive biodiversity area (amphibians)
- Stuttering Frog



Coordinate system: GDA2020 MGA Zone 56

Scale ratio correct when printed at A4

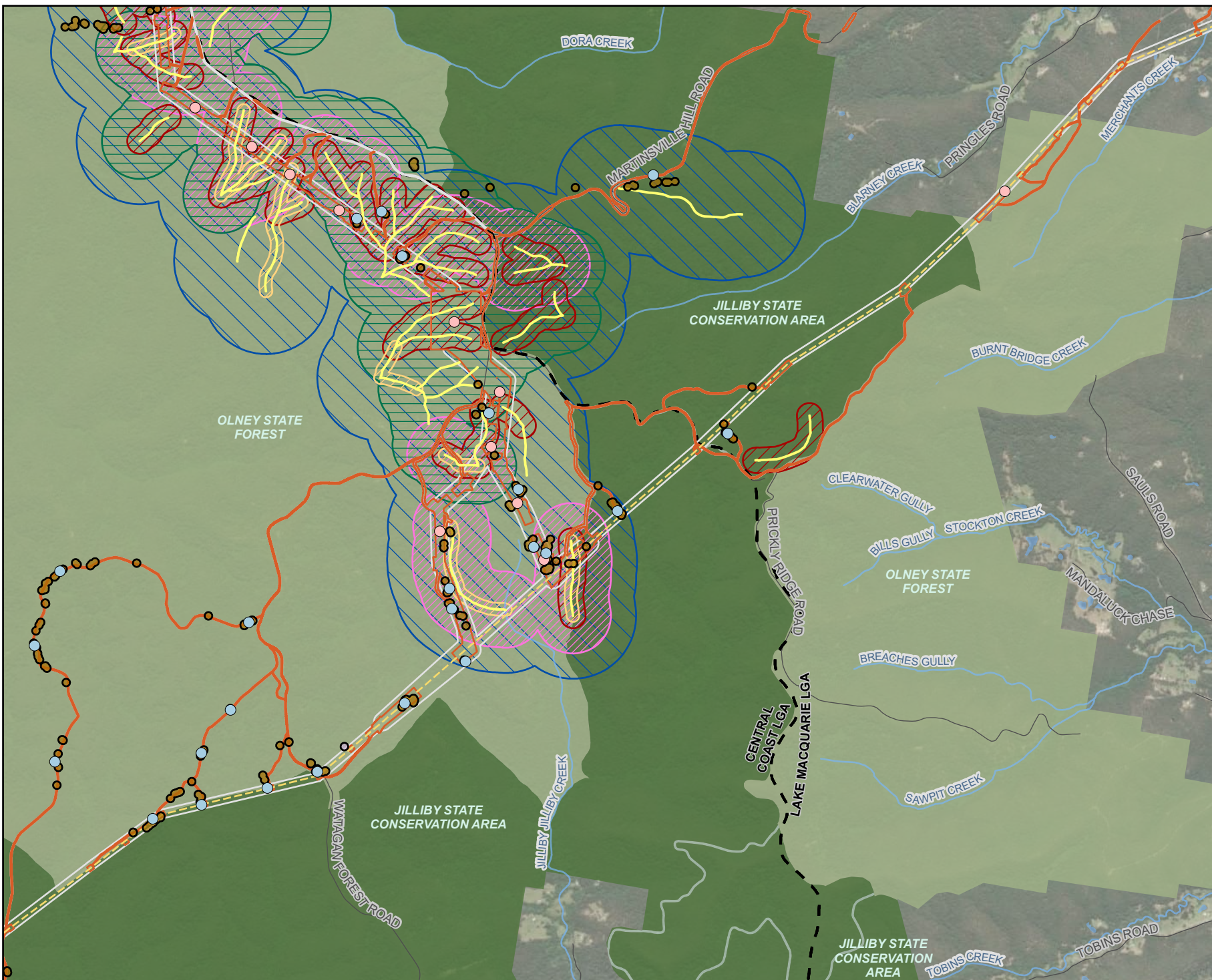


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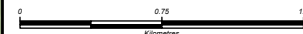
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Figure 14.21
Locations to target avoidance and
minimisation of TECs, threatened species
habitats and connectivity during detailed design
Page 14 of 16



Legend

- Biodiversity study area
- ▭ Subject land
- Existing environment
- Road
- 500 kV transmission line
- Named watercourse
- Waterbody
- NPWS reserve
- State conservation area
- State forest
- Local government area
- Avoidance micro-siting areas
- Threatened species habitats and connectivity
- Rhodamnia rubescens
- Rhodomirtus psidioides (flora)
- Sensitive biodiversity area (Rhodamnia rubescens)
- Sensitive biodiversity area (riparian ground protection)
- Sensitive biodiversity area (amphibians)
- Giant Barred Frog
- Giant Burrowing Frog
- Littlejohn's Tree Frog
- Red-crowned Toadlet
- Stuttering Frog



Coordinate system: GDA2020 MGA Zone 56

Scale ratio correct when printed at A4

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Data sources: EMM, Beca, Geoscience Australia, NSW State Government, WSP
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Figure 14.21
Locations to target avoidance and
minimisation of TECs, threatened species
habitats and connectivity during detailed design
Page 15 of 16



Legend

- Biodiversity study area
- Subject land
- Existing environment
- Road
- 330 kV transmission line
- 500 kV transmission line
- Named watercourse
- Waterbody
- NPWS reserve
- State conservation area
- Flora reserve
- State forest
- Local government area
- Swift parrot important areas
- Avoidance micro-siting areas
- Threatened species habitats and connectivity
- Sensitive biodiversity area (flora)
- Genoplesium insigne*
- Grevillea parviflora subsp. parviflora*
- Tetratheca juncea*
- Sensitive biodiversity area (*Rhodamnia rubescens*)
- Sensitive biodiversity area (riparian ground protection)
- Sensitive biodiversity area (amphibians)
- Giant Barred Frog
- Stuttering Frog



Coordinate system: GDA2020 MGA Zone 56
Scale ratio correct when printed at A4

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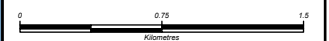
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Figure 14.21
Locations to target avoidance and
minimisation of TECs, threatened species
habitats and connectivity during detailed design
Page 16 of 16



- Legend**
- Biodiversity study area
 - Subject land
 - Existing environment
 - Road
 - Power station
 - - - 330 kV transmission line
 - - - 500 kV transmission line
 - Named watercourse
 - Waterbody
 - NPWS reserve
 - Flora reserve
 - State forest
 - Local government area
 - Swift parrot important areas
 - Avoidance micro-siting areas
 - Threatened species habitats and connectivity
 - Sensitive biodiversity area (flora)
 - Genoplesium insigne
 - Grevillea parviflora subsp. parviflora
 - Tetratheca juncea



Coordinate system: GDA2020 MGA Zone 56

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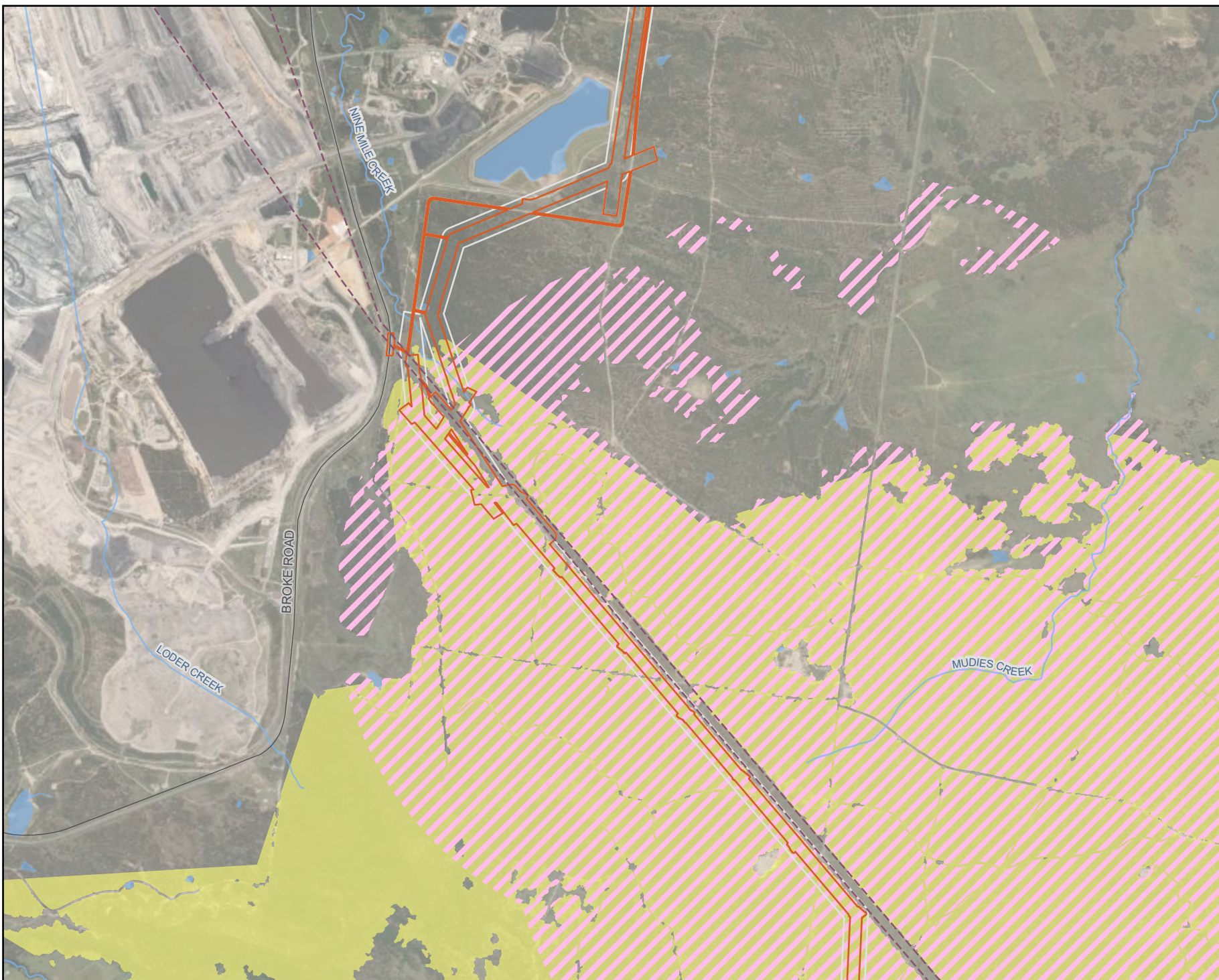
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World Imagery: Earthstar Geographics

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Legend

- Biodiversity study area
- Subject land
- Existing environment
- Road
- - - 330 kV transmission line
- Named watercourse
- Waterbody
- Local government area
- Swift Parrot important habitat
- Regent Honeyeater important habitat



Coordinate system: GDA2020 MGA Zone 56

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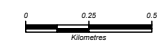
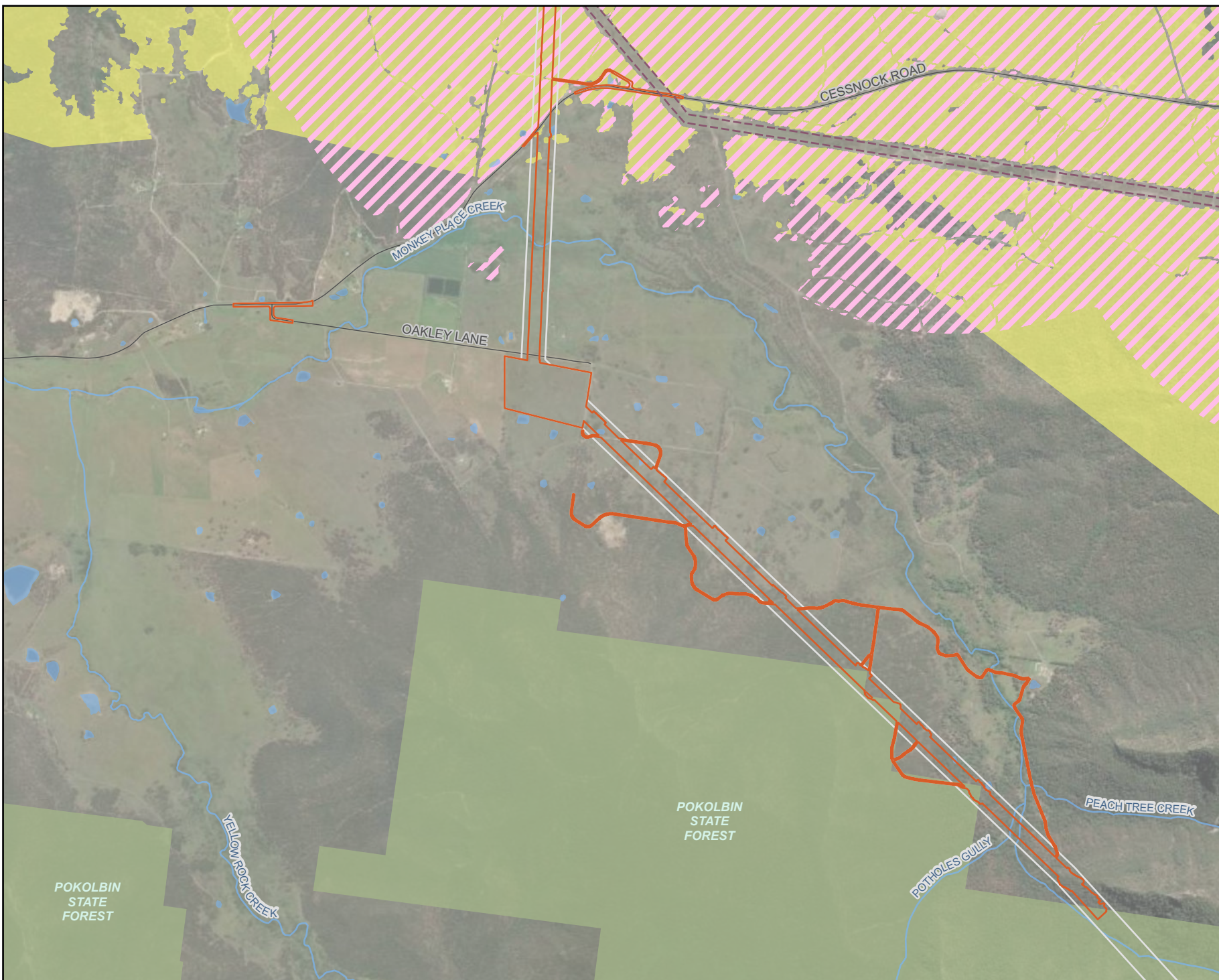
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Legend

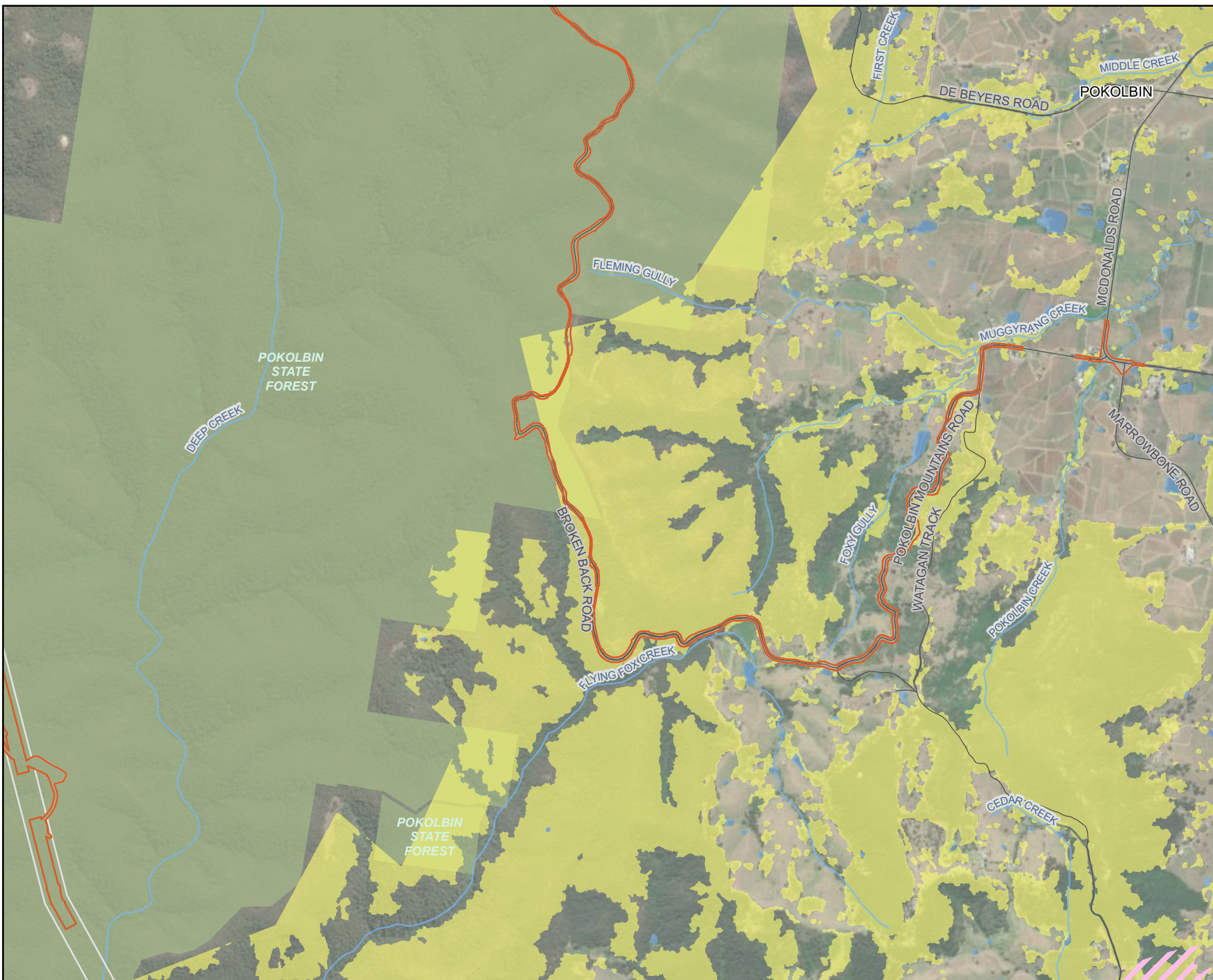
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- Subject land
- Existing environment
- Road
- - - 330 kV transmission line
- Named watercourse
- Waterbody
- State forest
- Local government area
- Swift Parrot important habitat
- Regent Honeyeater important habitat



Coordinate system: GDA2020 MGA Zone 56
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Data sources: EMM, Beca, Geoscience Australia, NSW State Government, WSP
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Legend

- Biodiversity study area
- Subject land
- Existing environment
- Road
- Named watercourse
- Waterbody
- State forest
- Local government area
- Swift Parrot important habitat
- Regent Honeyeater important habitat



Coordinate system: GDA2020 MGA Zone 56

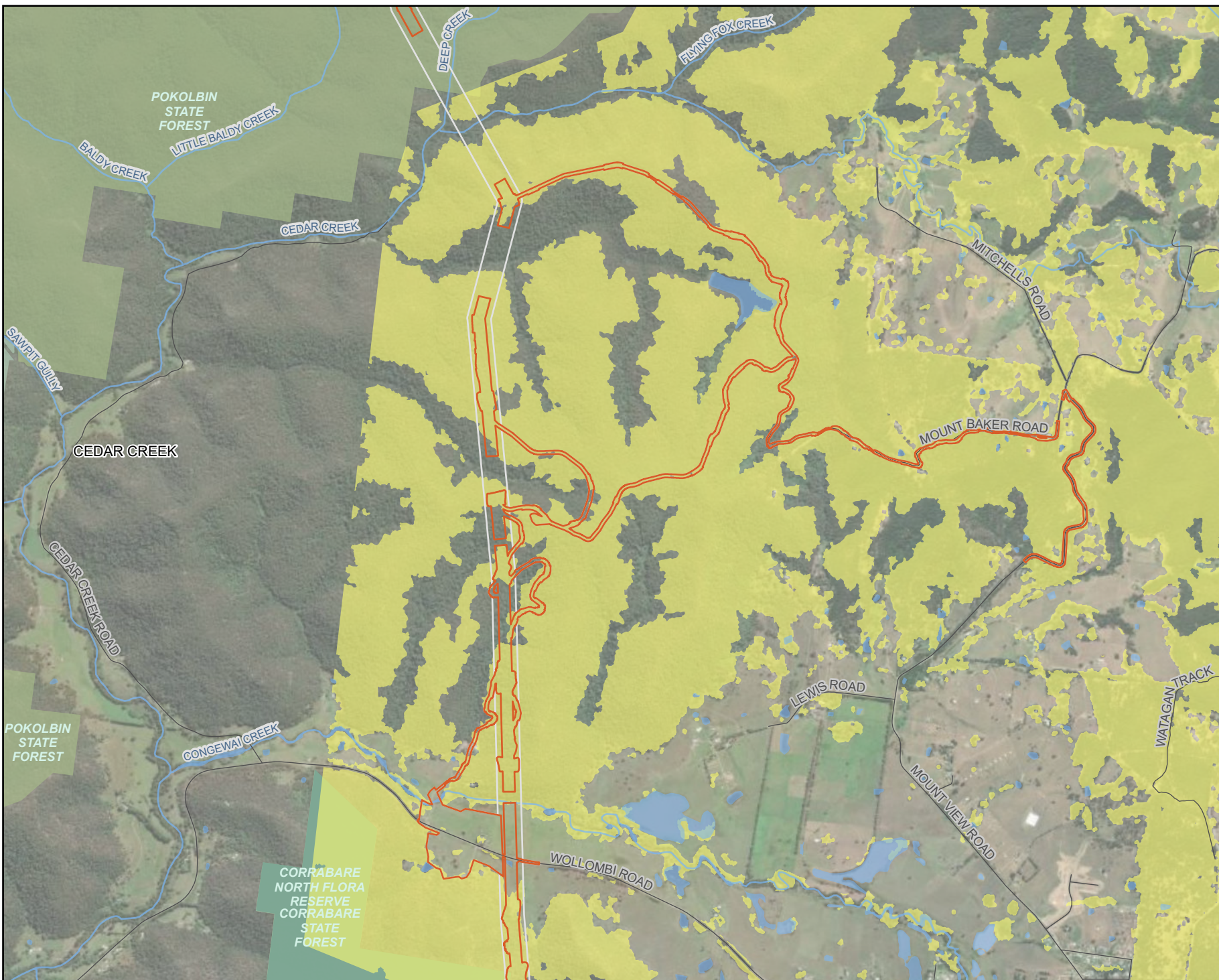
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Legend

- Biodiversity study area
- Subject land
- Existing environment
- Road
- Named watercourse
- Waterbody
- NPWS reserve
- Flora reserve
- State forest
- Local government area
- Regent Honeyeater important habitat



Coordinate system: GDA2020 MGA Zone 56

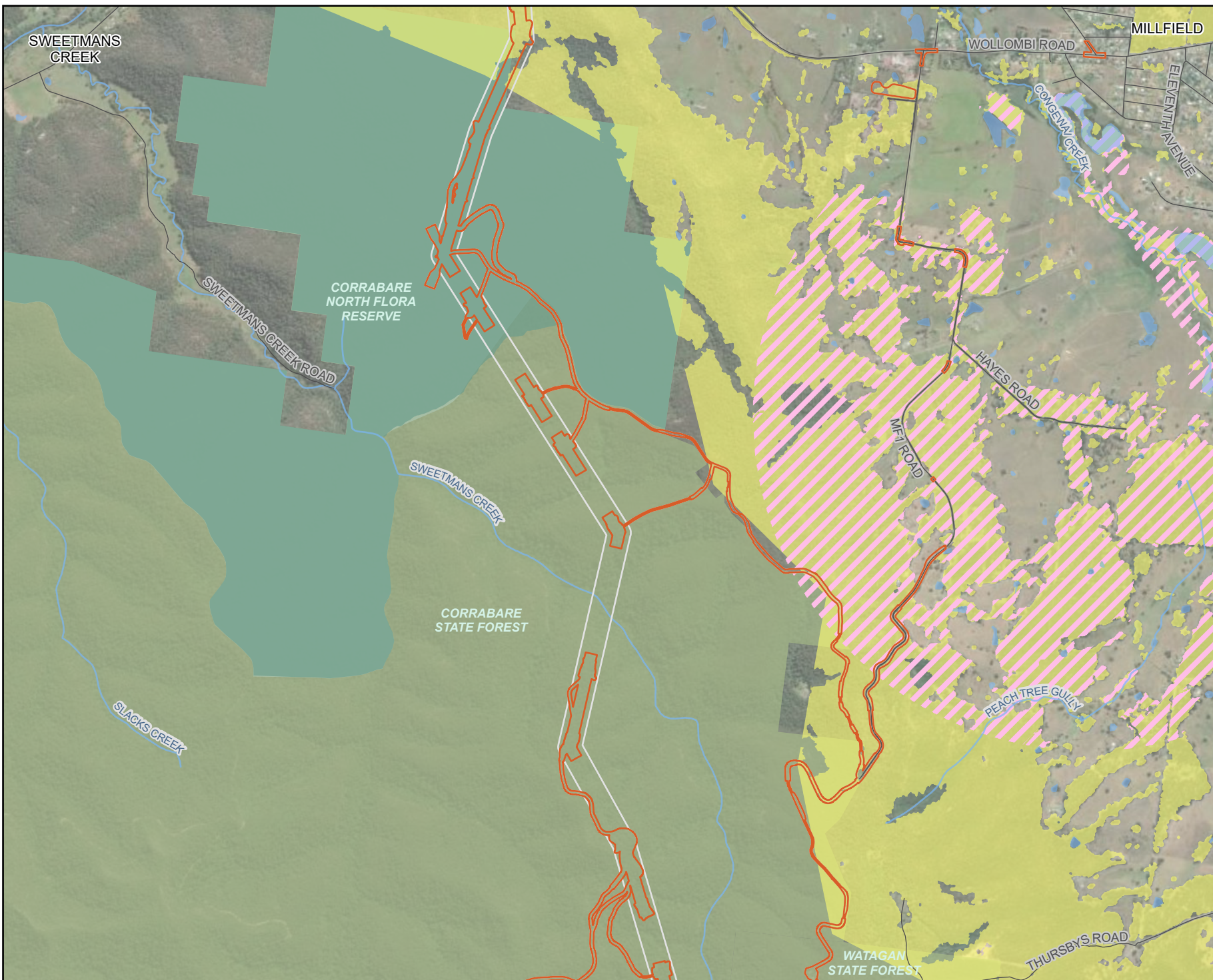
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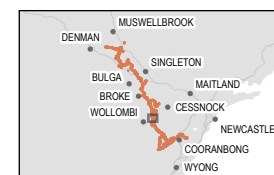
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Legend

- Biodiversity study area
- Subject land
- Existing environment
- Road
- Named watercourse
- Waterbody
- NPWS reserve
- Flora reserve
- State forest
- Local government area
- Swift Parrot important habitat
- Regent Honeyeater important habitat



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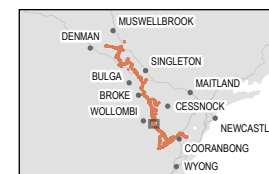
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Legend

- Biodiversity study area
- Subject land
- Existing environment
- Road
- Named watercourse
- Waterbody
- NPWS reserve
- Flora reserve
- State forest
- Local government area
- Swift Parrot important habitat
- Regent Honeyeater important habitat



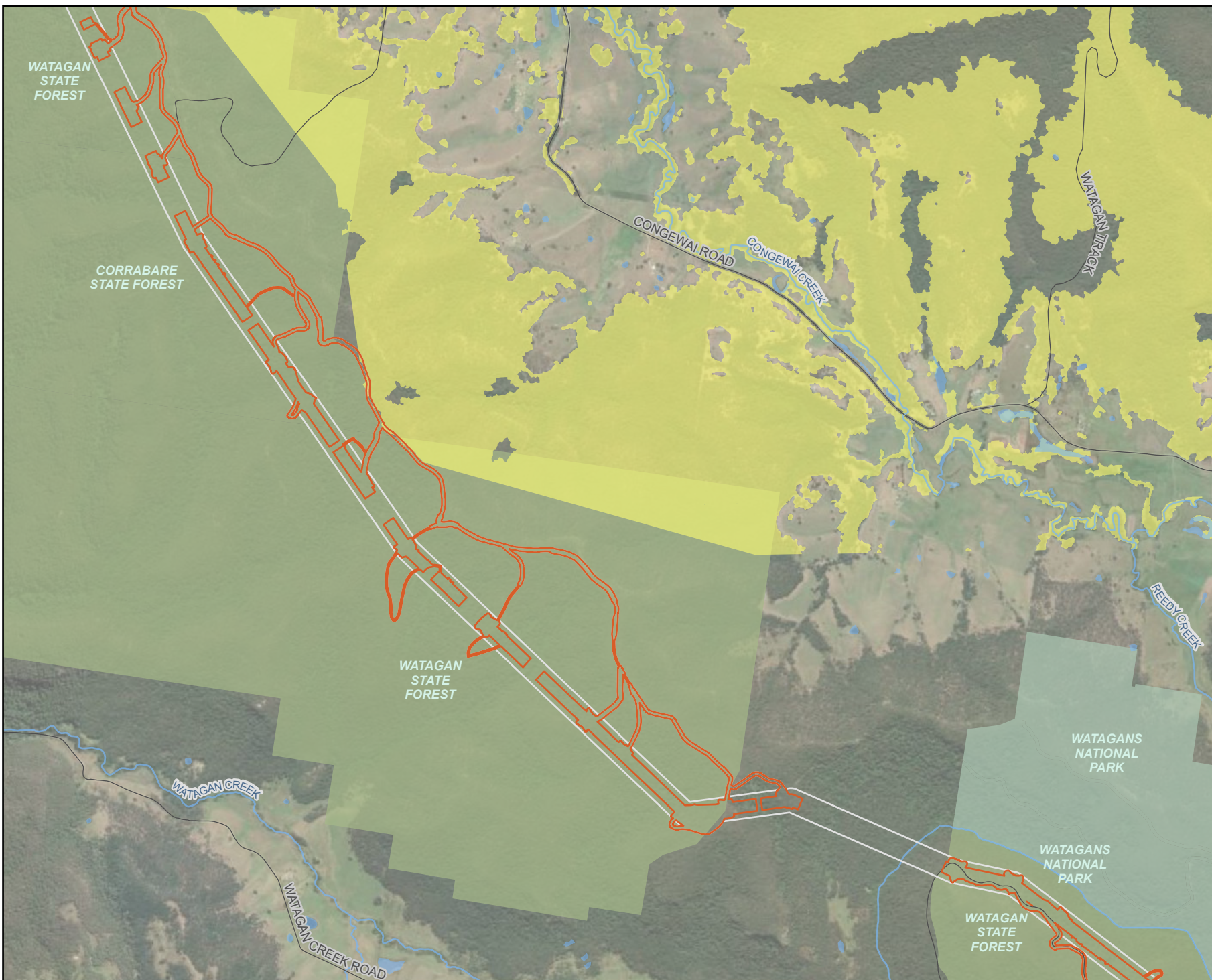
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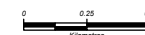
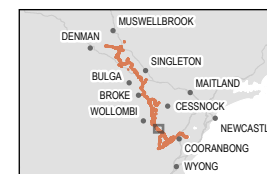
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Legend

- Biodiversity study area
- Subject land
- Existing environment
- Road
- Named watercourse
- Waterbody
- NPWS reserve
- State forest
- Local government area
- Regent Honeyeater important habitat



Coordinate system: GDA2020 MGA Zone 56

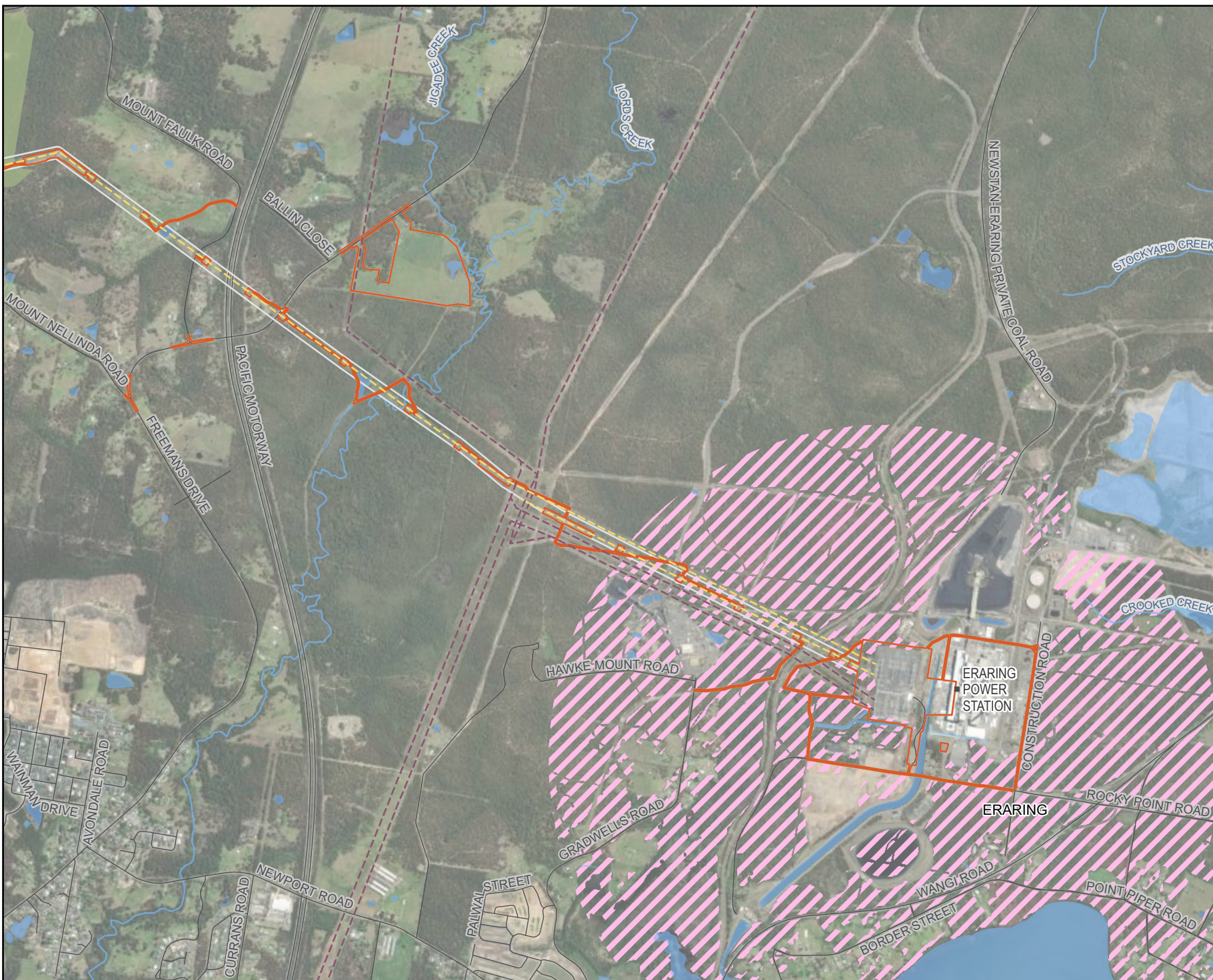
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- Legend**
- Biodiversity study area
 - Subject land
 - Existing environment
 - Road
 - Power station
 - - - 330 kV transmission line
 - - - 500 kV transmission line
 - Named watercourse
 - Waterbody
 - State forest
 - Local government area
 - Swift Parrot important habitat



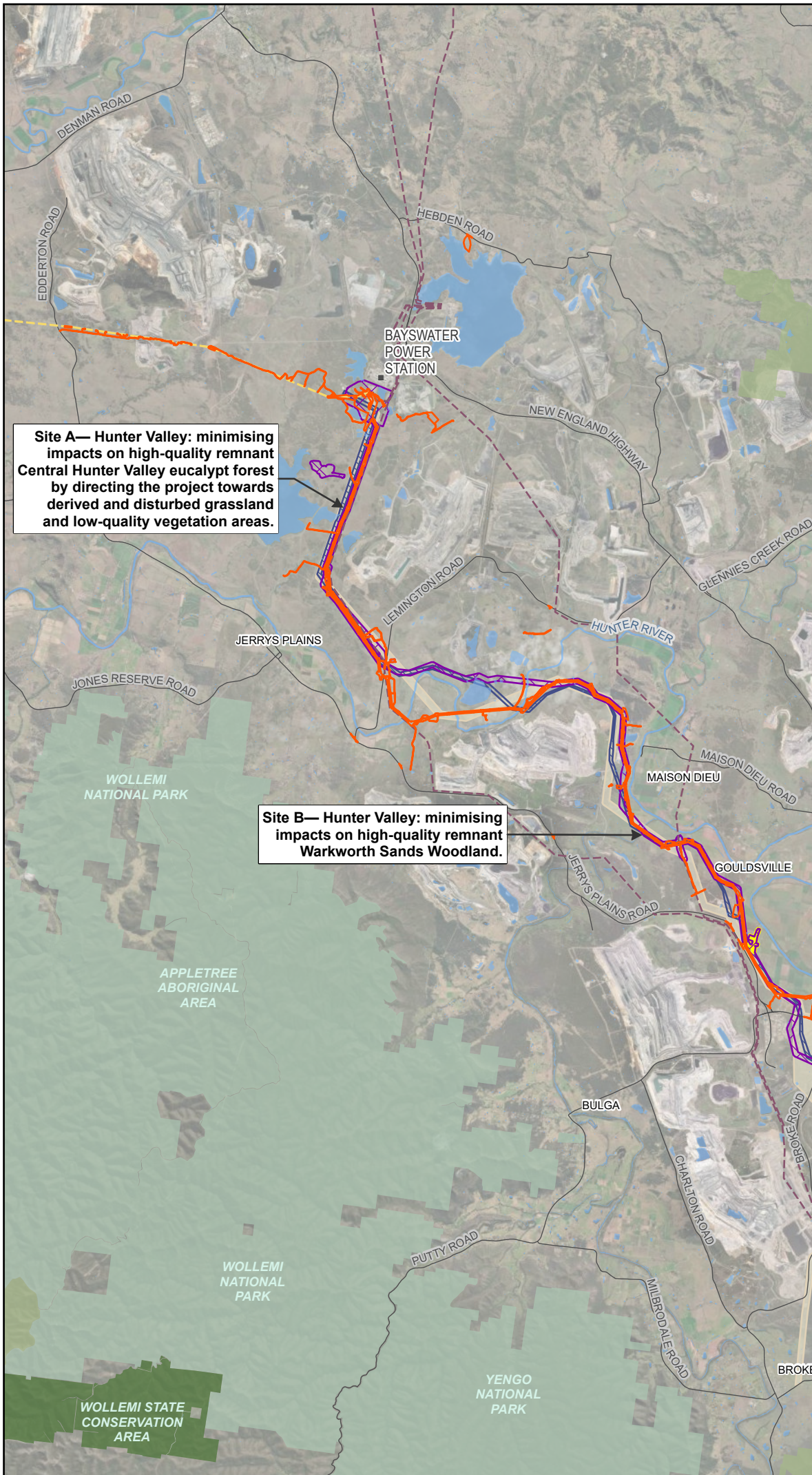
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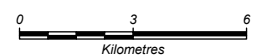


Site A— Hunter Valley: minimising impacts on high-quality remnant Central Hunter Valley eucalypt forest by directing the project towards derived and disturbed grassland and low-quality vegetation areas.

Site B— Hunter Valley: minimising impacts on high-quality remnant Warkworth Sands Woodland.

Legend

- Subject land
- Site A** Key areas of avoidance
- Existing environment
 - Road
 - Power station
 - - - 330 kV transmission line
 - - - 500 kV transmission line
 - River
 - Waterbody
 - NPWS reserve
 - State conservation area
 - State forest
- Previous alignment options
 - Project study area (06/06/2023)
 - Construction easement (19/10/2023)
 - Construction compound design (18/03/2024)
 - Disturbance footprint (02/04/2024)

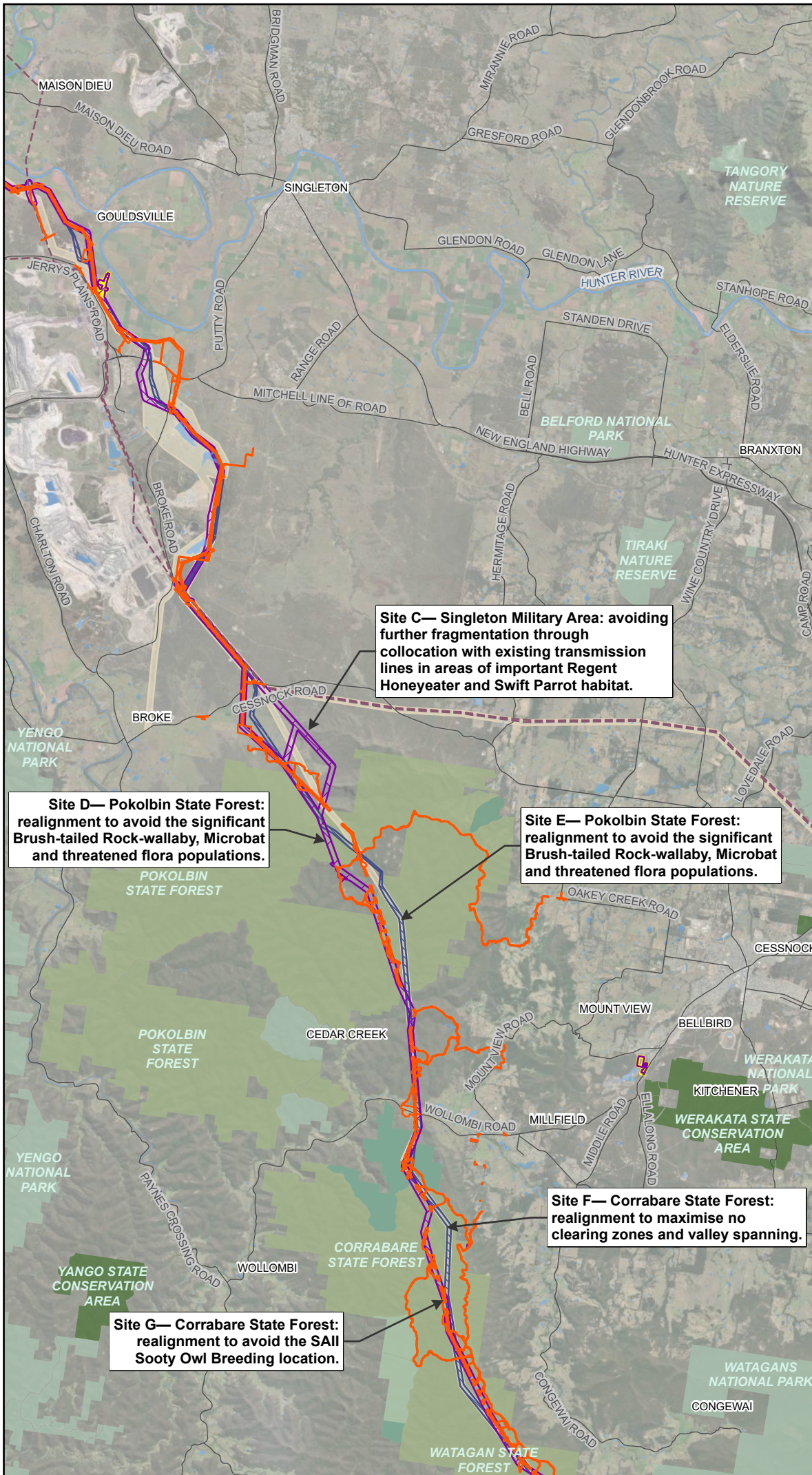


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Legend

- Subject land
- Site A** Key areas of avoidance
- Existing environment
 - Road
 - - - 330 kV transmission line
 - River
 - Waterbody
 - NPWS reserve
 - State conservation area
 - Flora reserve
 - State forest
- Previous alignment options
 - Project study area (06/06/2023)
 - Construction easement (19/10/2023)
 - Construction compound design (18/03/2024)
 - Disturbance footprint (02/04/2024)



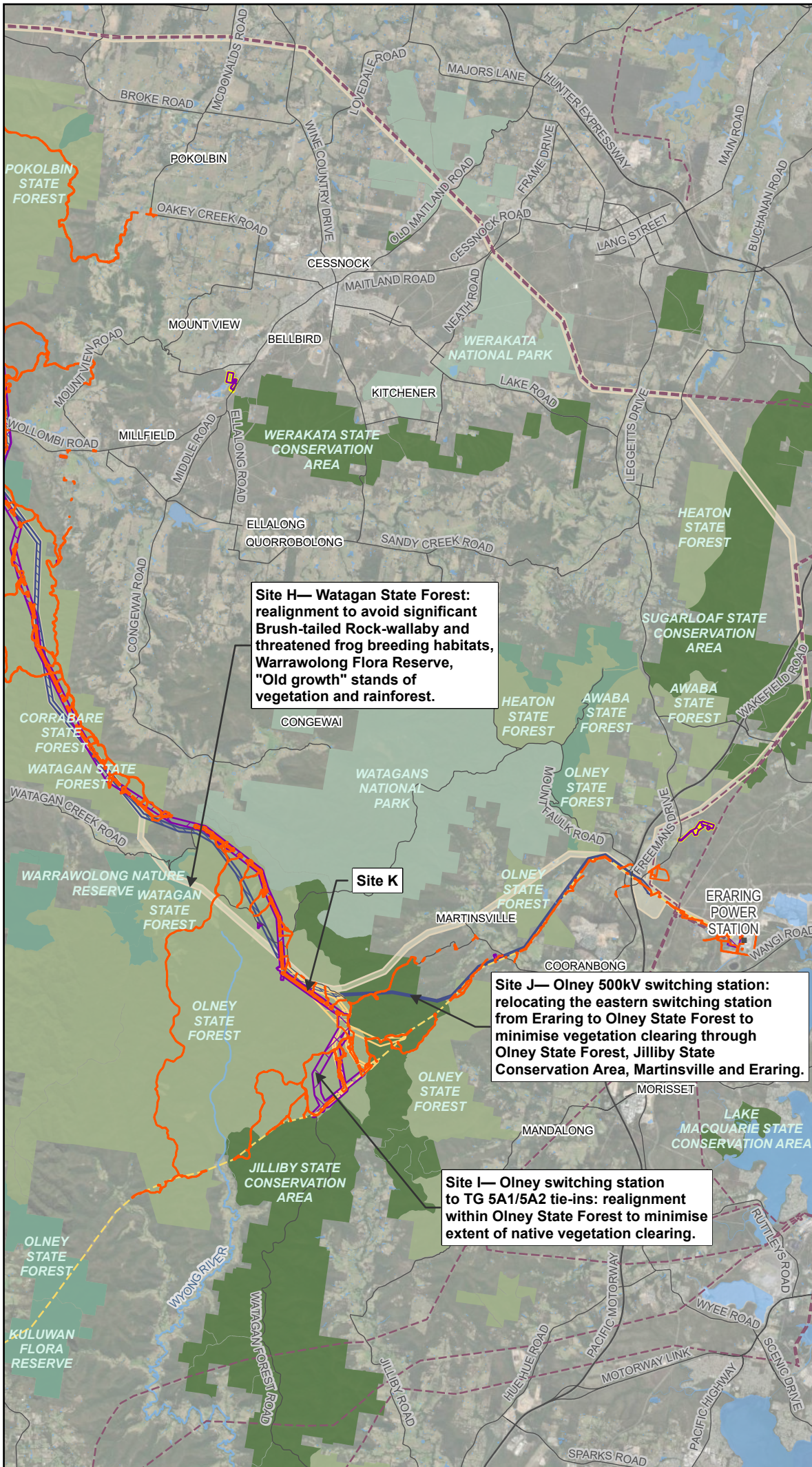
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Site H— Watagan State Forest:
realignment to avoid significant
Brush-tailed Rock-wallaby and
threatened frog breeding habitats,
Warrawolong Flora Reserve,
"Old growth" stands of
vegetation and rainforest.

Site J— Olney 500kV switching station:
relocating the eastern switching station
from Eraring to Olney State Forest to
minimise vegetation clearing through
Olney State Forest, Jilliby State
Conservation Area, Martinsville and Eraring.

Site I— Olney switching station
to TG 5A1/5A2 tie-ins: realignment
within Olney State Forest to minimise
extent of native vegetation clearing.

- Legend**
- Subject land
 - Site A** Key areas of avoidance
- Existing environment
- Road
 - Power station
 - - - 330 kV transmission line
 - - - 500 kV transmission line
 - River
 - Waterbody
 - NPWS reserve
 - State conservation area
 - Flora reserve
 - State forest
- Previous alignment options
- Project study area (06/06/2023)
 - Construction easement (19/10/2023)
 - Construction compound design (18/03/2024)
 - Disturbance footprint (02/04/2024)
 - Proposed Watagan substation option (16/02/2024)



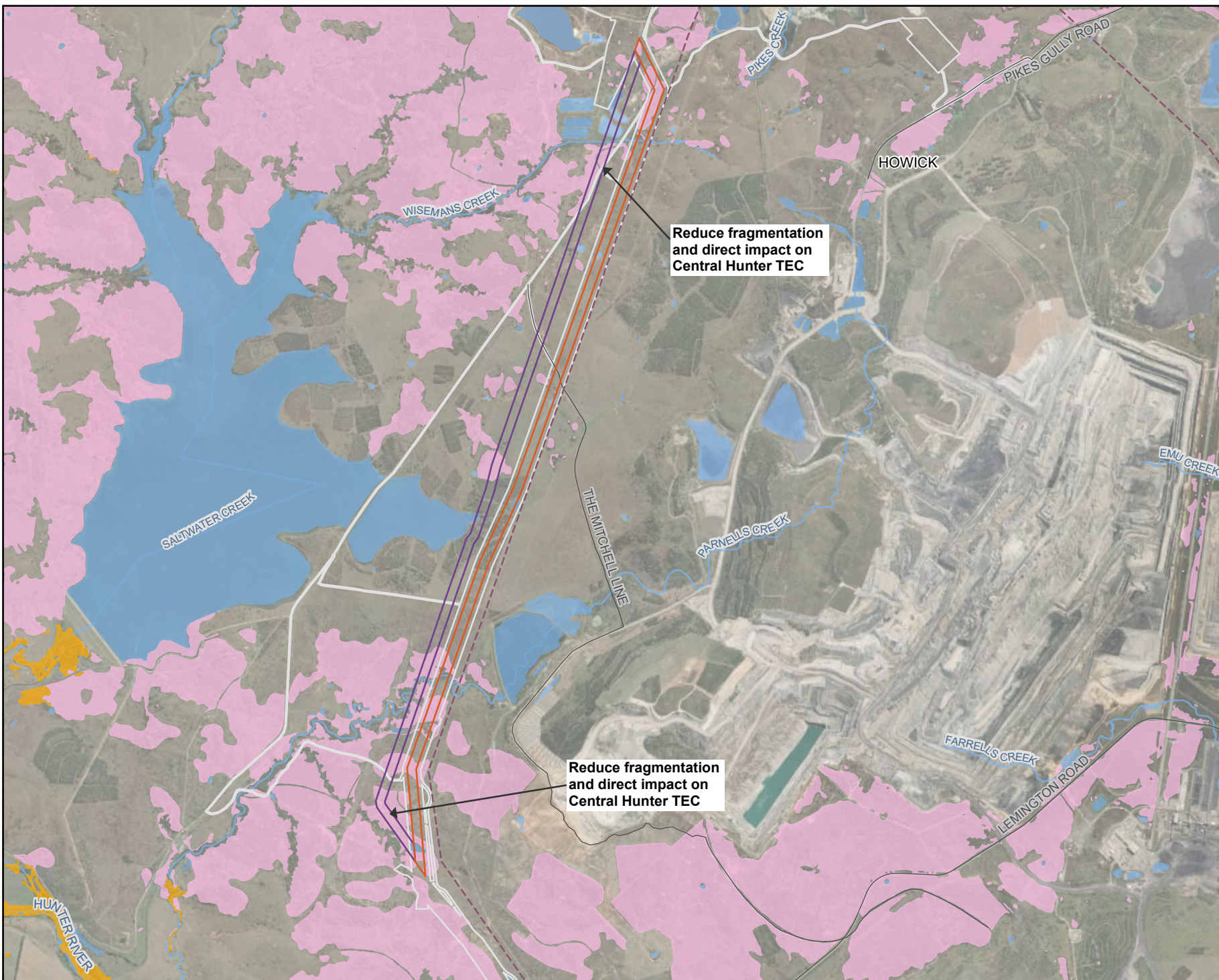
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Data sources: EMM, Beca, Geoscience Australia, NSW State Government, WSP
World Imagery: Earthstar Geographics

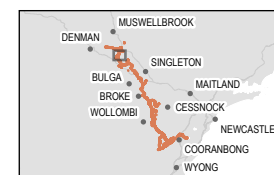
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Figure 14.24
Impact avoidance detail
Site A



Legend

- Biodiversity study area
- Subject land
- Previous alignment option
- Alternative alignment (19/10/2023)
- Existing environment
- Road
- 330 kV transmission line
- Named watercourse
- Waterbody
- BC Act listed TECs
- Central Hunter Grey Box-Ironbark Woodland in the New South Wales North Coast and Sydney Basin Bioregions
- Hunter Floodplain Red Gum Woodland in the NSW North Coast and Sydney Basin Bioregions



Coordinate system: GDA2020 MGA Zone 56

Scale ratio correct when printed at A4

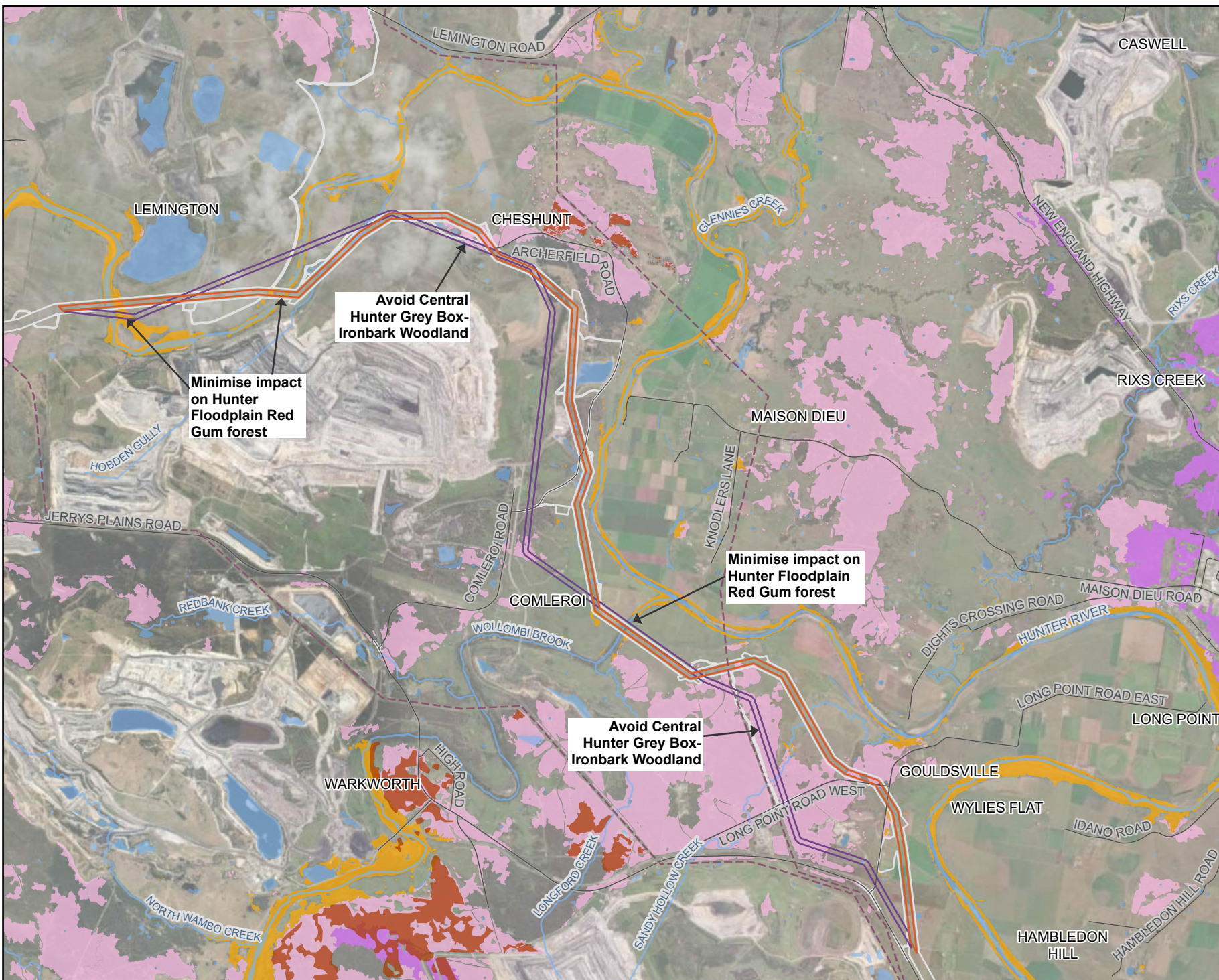


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Data sources: EMM, Beca, Geoscience Australia, NSW State Government, WSP World Imagery: Vantor

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Figure 14.24
Impact avoidance detail
Site B



- Legend**
- Biodiversity study area
 - Subject land
 - Previous alignment option
 - Alternative alignment (06/06/2023)
 - Existing environment
 - Road
 - 330 kV transmission line
 - Named watercourse
 - Waterbody
 - BC Act listed TECs
 - Central Hunter Grey Box-Ironbark Woodland in the New South Wales North Coast and Sydney Basin Bioregions; Warkworth Sands Woodland in the Sydney Basin Bioregion
 - Central Hunter Ironbark-Spotted Gum-Grey Box Forest in the New South Wales North Coast and Sydney Basin Bioregions
 - Hunter Floodplain Red Gum Woodland in the NSW North Coast and Sydney Basin Bioregions
 - Warkworth Sands Woodland in the Sydney Basin Bioregion



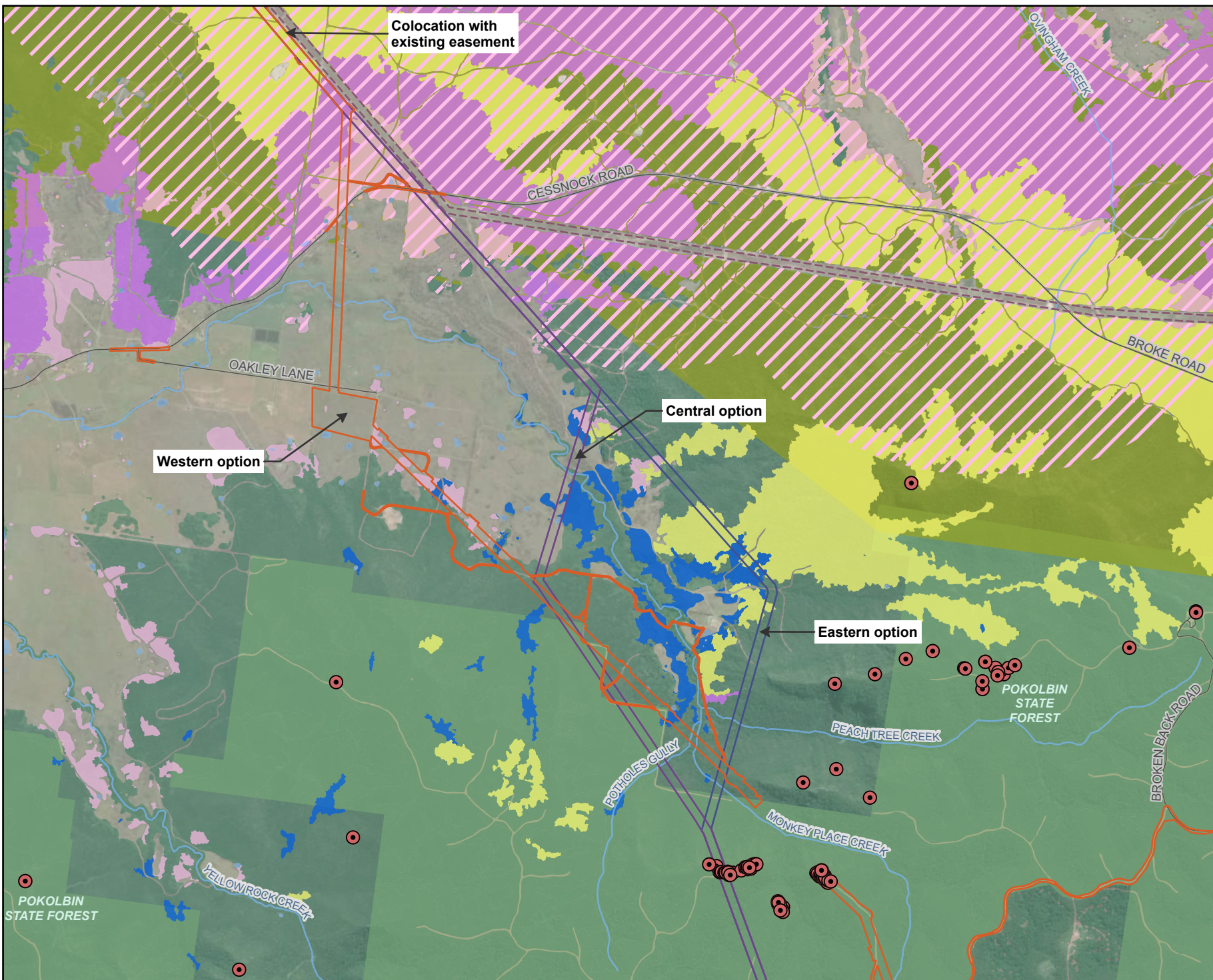
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Data sources: EMM, Beca, Geoscience Australia, NSW State Government, WSP
World Imagery: Earthstar Geographics

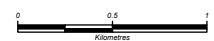
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Figure 14.24
Impact avoidance detail
Site C



Legend

- Subject land (western option)
- Previous alignment option
- Alternative alignment (central option) (02/04/2024)
- Alternative alignment (eastern option) (02/04/2024)
- Existing environment
- Road
- - - 330 kV transmission line
- - - Named watercourse
- Waterbody
- State forest
- *Eucalyptus fracta* record (Bionet)
- Swift Parrot important habitat
- Regent Honeyeater important habitat
- Remnant vegetation
- BC Act listed TECs
- Central Hunter Grey Box-Ironbark Woodland in the New South Wales
- North Coast and Sydney Basin Bioregions
- Central Hunter Ironbark-Spotted Gum-Grey Box Forest in the New South Wales North Coast and Sydney Basin Bioregions
- Lower Hunter Spotted Gum Ironbark Forest in the Sydney Basin and NSW North Coast Bioregions
- River-Flat Eucalypt Forest on Coastal Floodplains of the New South Wales North Coast, Sydney Basin and South East Corner Bioregions



Coordinate system: GDA2020 MGA Zone 56
Scale ratio correct when printed at A4

1:40,000 Date: 30/01/2026

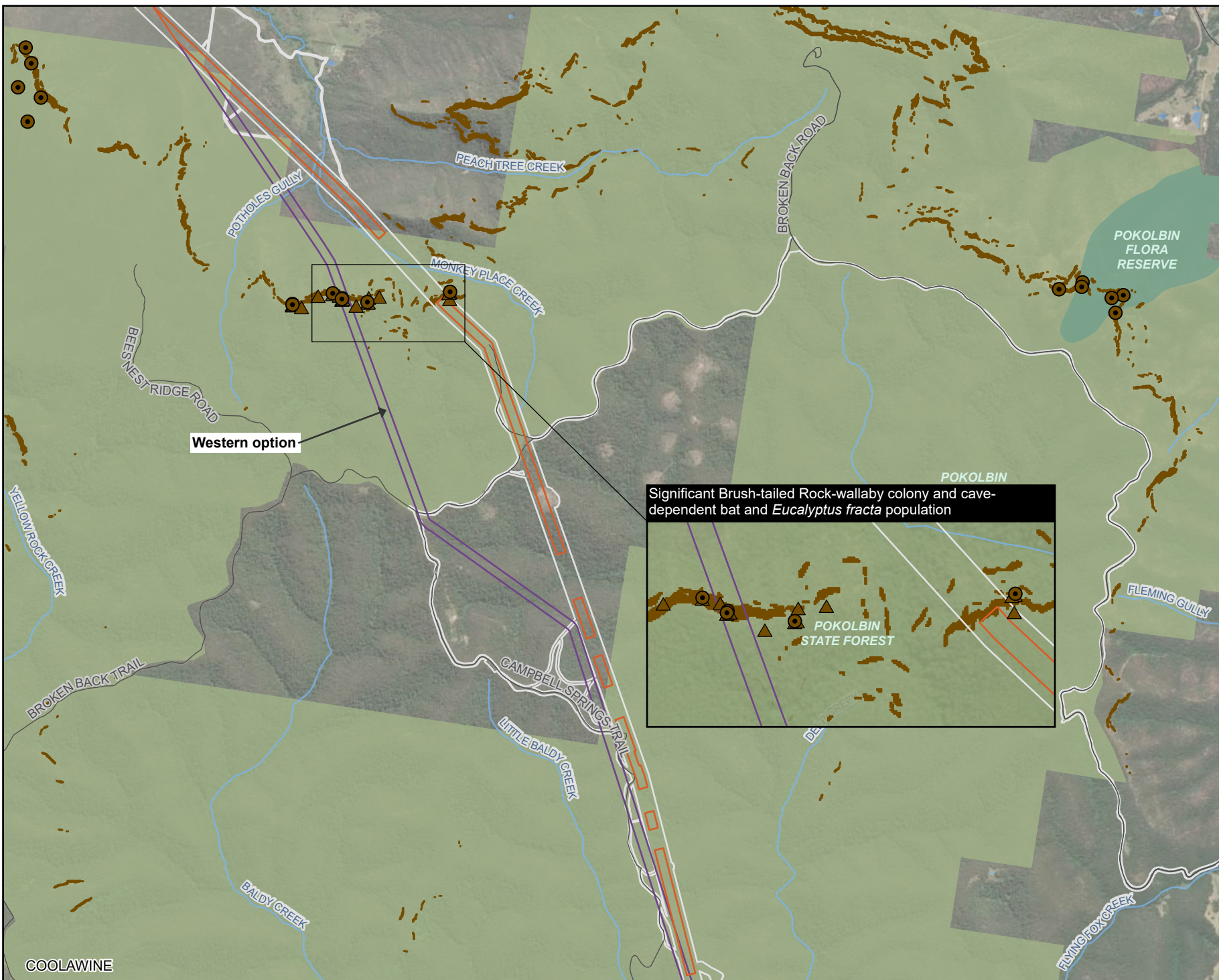
Data sources: EMM, Beca, Geoscience Australia, NSW State Government, WSP
World Imagery: Vantor

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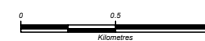
Figure 14.24
Impact avoidance detail
Site D

Legend

- Biodiversity study area
- Subject land
- Previous alignment option
- Alternative alignment (02/04/2024)
- Existing environment
- Road
- Named watercourse
- Waterbody
- Flora reserve
- State forest
- Cliff lines/escarpments
- Brush-tailed Rock-wallaby record (Bionet)
- Brush-tailed Rock-wallaby record (WSP)



Significant Brush-tailed Rock-wallaby colony and cave-dependent bat and *Eucalyptus fracta* population



Coordinate system: GDA2020 MGA Zone 56

Scale ratio correct when printed at A4



1:40,000 Date: 30/01/2026

Data sources: EMM, Beca, Geoscience Australia, NSW State Government, WSP
World Imagery: Vantor

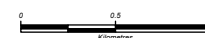
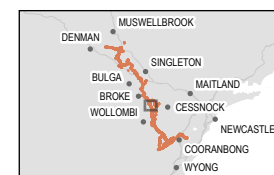
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COOLAWINE

Figure 14.24
Impact avoidance detail
Site E

Legend

- Biodiversity study area
- Subject land
- Previous alignment option
- Alternative alignment (19/10/2023)
- Existing environment
- Road
- Named watercourse
- Waterbody
- NPWS reserve
- Flora reserve
- State forest
- Cliff lines/escarpments



Coordinate system: GDA2020 MGA Zone 56

Scale ratio correct when printed at A4

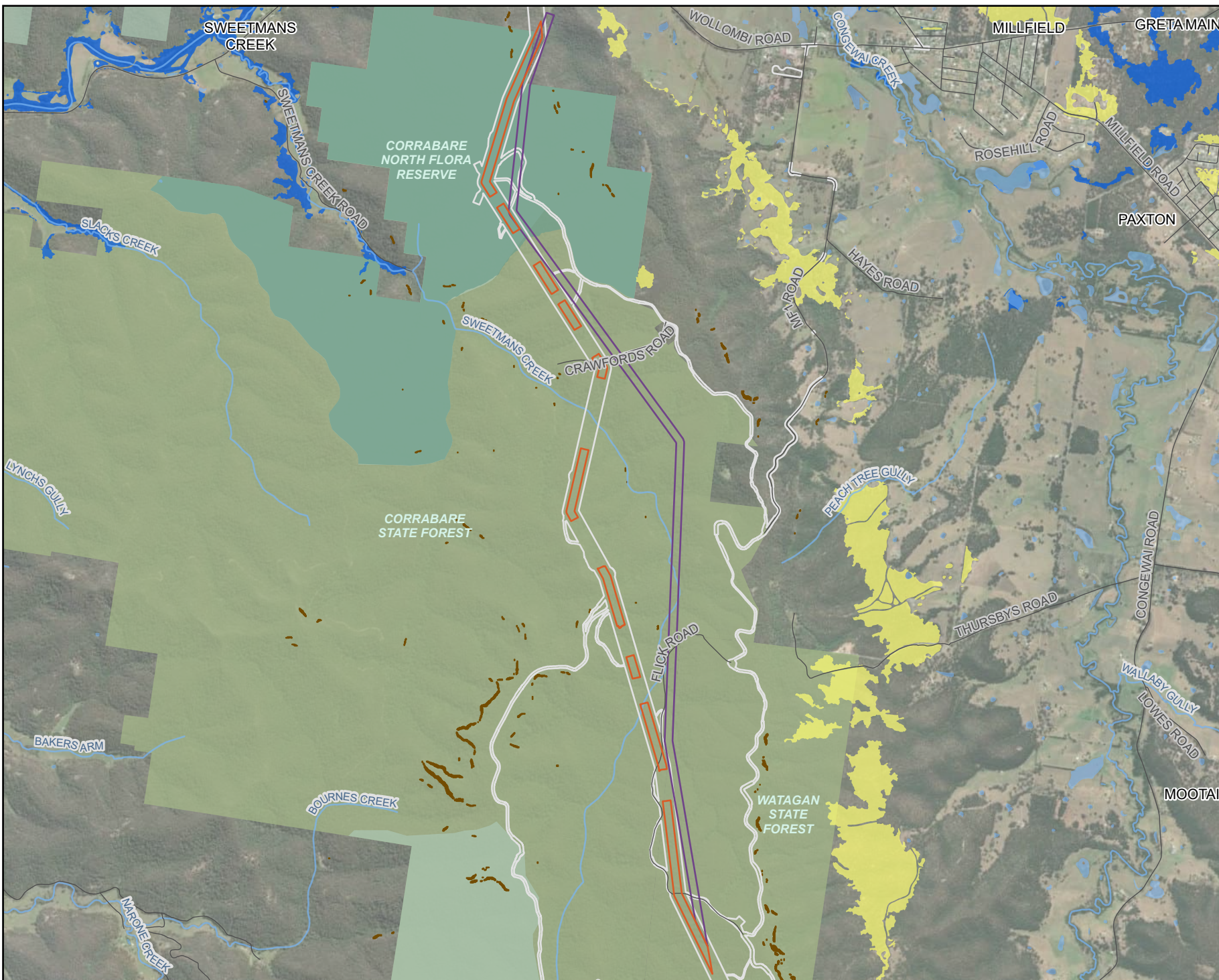


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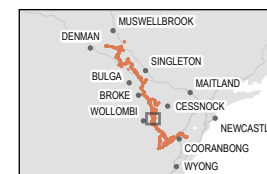
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Figure 14.24
Impact avoidance detail
Site F



Legend

- Biodiversity study area
- Subject land
- Previous alignment option
- Alternative alignment (19/10/2023)
- Existing environment
- Road
- Named watercourse
- Waterbody
- NPWS reserve
- Flora reserve
- State forest
- Cliff lines/escarpments
- BC Act listed TECs
- Lower Hunter Spotted Gum
- Ironbark Forest in the Sydney Basin and NSW North Coast Bioregions
- River-Flat Eucalypt Forest on Coastal Floodplains of the New South Wales North Coast, Sydney Basin and South East Corner Bioregions
- South Wales North Coast, Sydney Basin and South East Corner Bioregions



Coordinate system: GDA2020 MGA Zone 56

Scale ratio correct when printed at A4

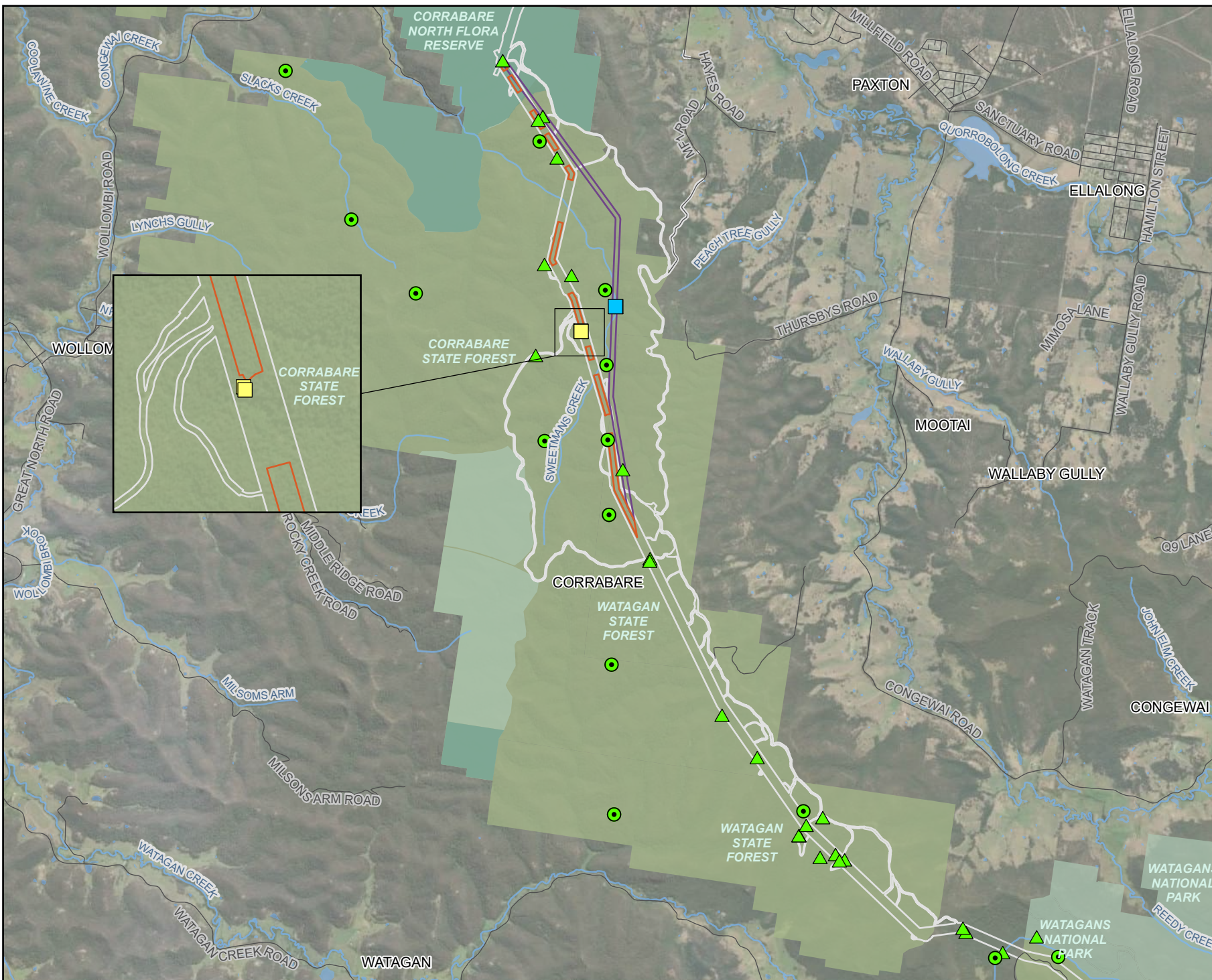


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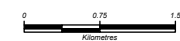
Data sources: EMM, Beca, Geoscience Australia, NSW State Government, WSP World Imagery: Vantor

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Figure 14.24
Impact avoidance detail
Site G



- Legend**
- Biodiversity study area
 - Subject land
 - Previous alignment option
 - Alternative alignment (06/06/2023)
 - Existing environment
 - Road
 - Named watercourse
 - Waterbody
 - NPWS reserve
 - Flora reserve
 - State forest
 - Sooty Owl record (Bionet)
 - ▲ Sooty Owl record (WSP)
 - Sooty Owl cave
 - Likely Sooty Owl cave



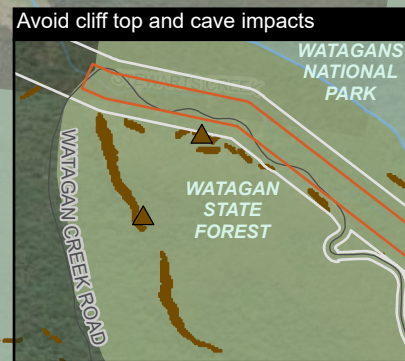
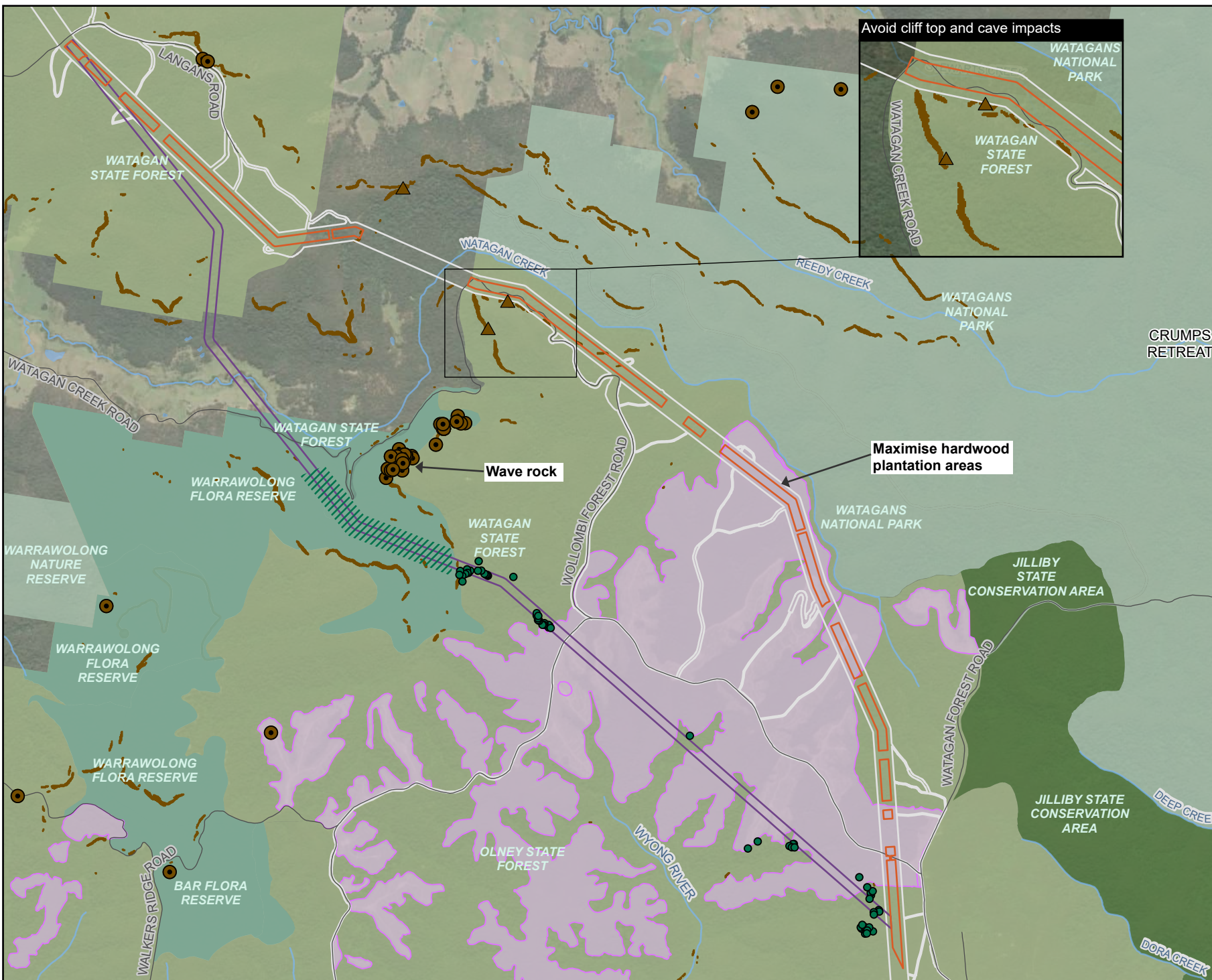
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World Imagery: Vantor

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Figure 14.24
Impact avoidance detail
Site H



- Legend**
- Biodiversity study area
 - Subject land
 - Previous alignment option
 - Alternative alignment (06/06/2023)
 - Existing environment
 - Road
 - Named watercourse
 - Waterbody
 - NPWS reserve
 - State conservation area
 - Flora reserve
 - State forest
 - Hardwood plantations zone
 - Cliff lines/escarpments
 - Brush-tailed Rock-wallaby record (Bionet)
 - Brush-tailed Rock-wallaby record (WSP)
 - Old growth forest tree
 - Old growth forest patch

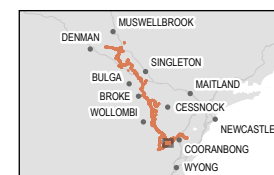
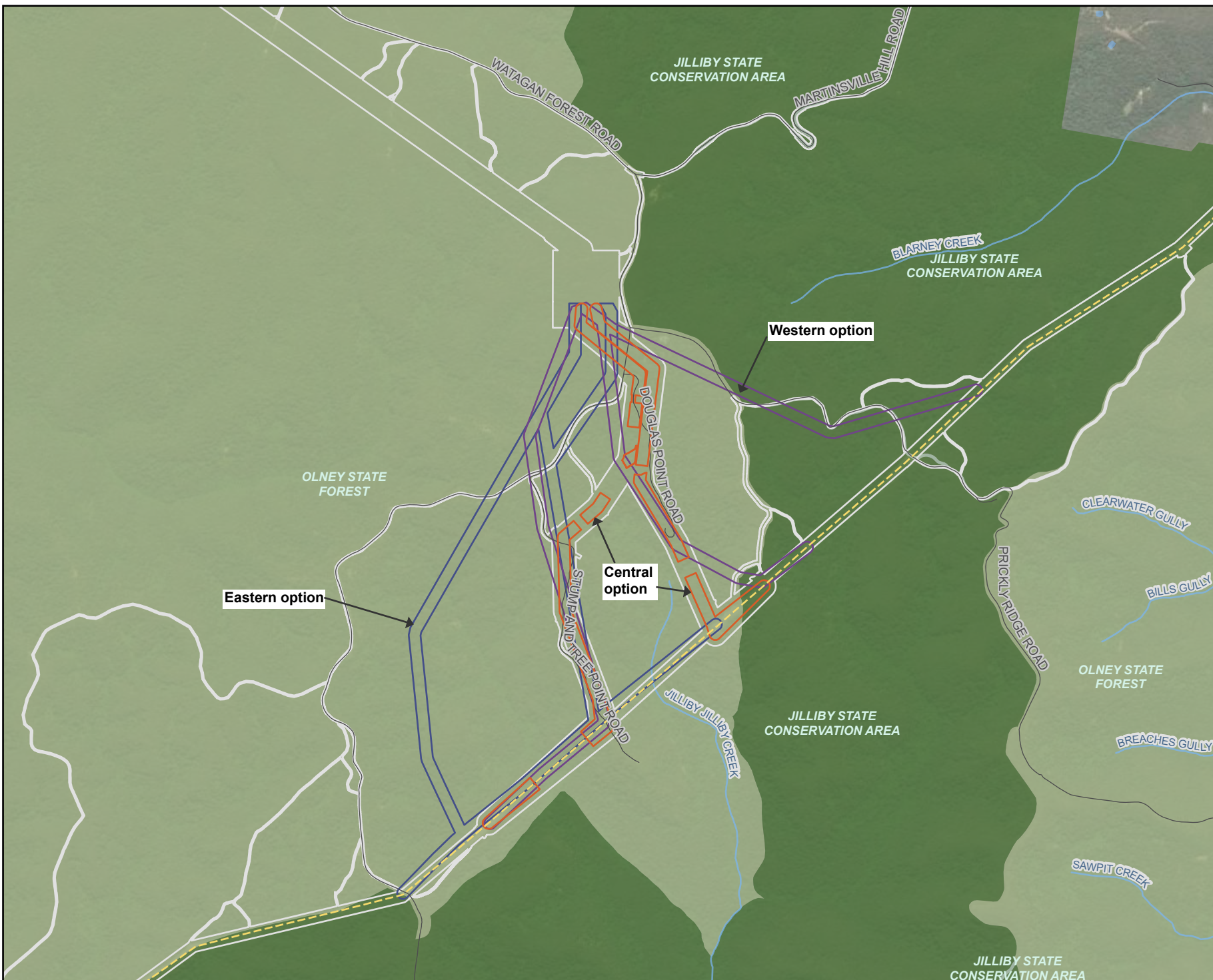


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Figure 14.24
Impact avoidance detail
Site 1

Legend

- Biodiversity study area
- Subject land (central option)
- Previous alignment options
- Alternative alignment (western option) (16/02/2024)
- Alternative alignment (eastern option) (02/04/2024)
- Existing environment
- Road
- 500 kV transmission line
- Named watercourse
- Waterbody
- NPWS reserve
- State conservation area
- State forest



Coordinate system: GDA2020 MGA Zone 56

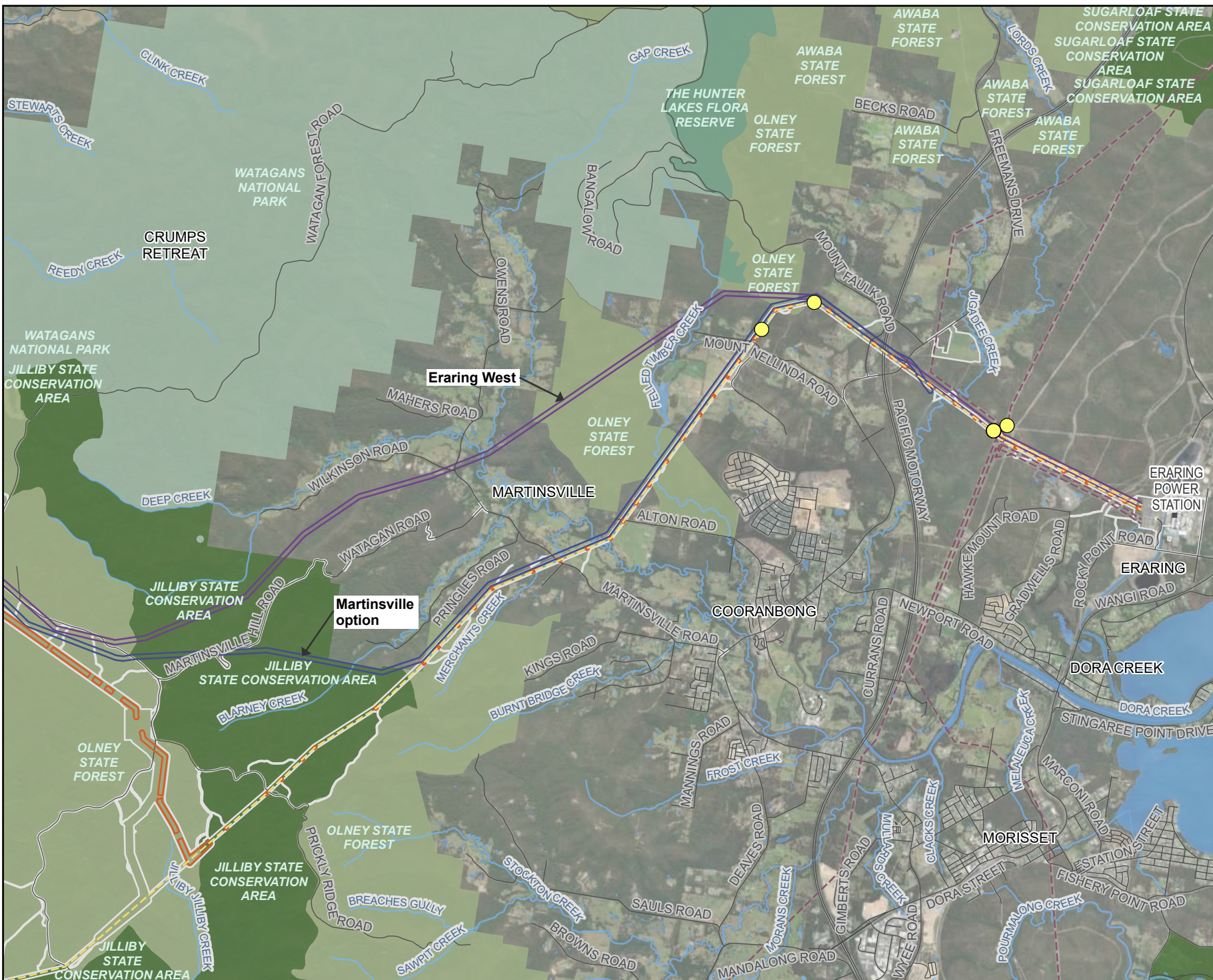
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Figure 14.24
Impact avoidance detail
Site J



Legend

- Biodiversity study area
- Subject land
- Previous alignment options
- Alternative alignment (Eraring West option) (06/06/2023)
- Alternative alignment (Martinsville option) (19/10/2023)
- Existing environment
- Road
- Power station
- 330 kV transmission line
- 500 kV transmission line
- Named watercourse
- Waterbody
- NPWS reserve
- State conservation area
- Flora reserve
- State forest
- Genoplesium insigne* record (WSP)



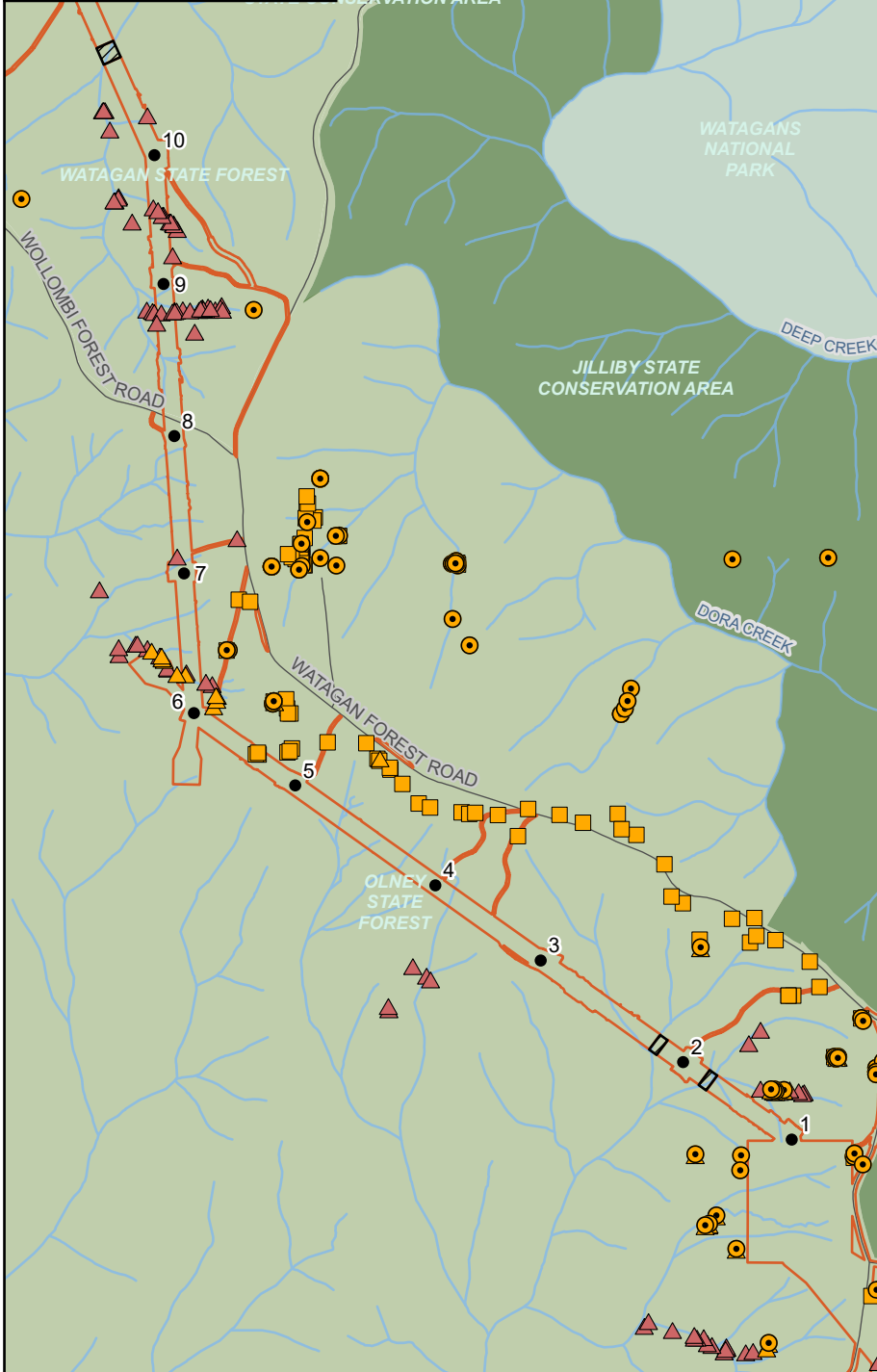
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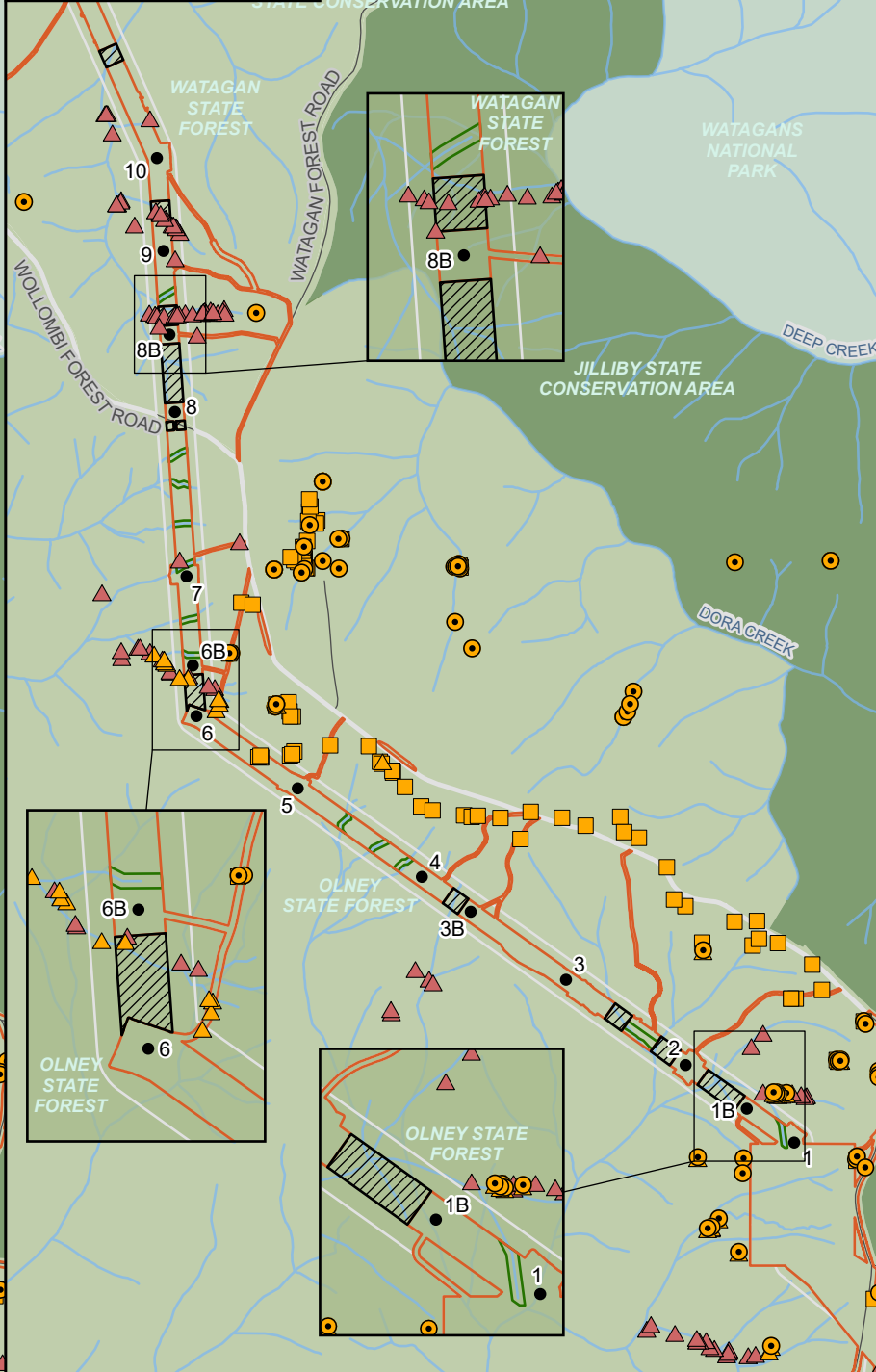
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Previous alignment option



Current alignment option



**Hunter Transmission Project
Biodiversity Development
Assessment Report**

Figure 14.24
Impact avoidance detail
Site K

- Legend**
- Current alignment option
 - Biodiversity study area
 - Subject land
 - Non-disturbance area
 - Sensitive hand clearing
 - Transmission towers
 - Previous alignment option
 - Subject land (19/02/2025)
 - Non-disturbance area (19/02/2025)
 - Existing environment
 - Road
 - Creeks
 - NPWS reserve
 - State conservation area
 - State forest
 - Local government area
 - Littlejohn's Tree Frog record (Bionet)
 - Littlejohn's Tree Frog record (WSP)
 - Littlejohn's Tree Frog breeding ponds
 - Stuttering Frog record (WSP)



Coordinate system: GDA2020 MGA Zone 56
Scale ratio correct when printed at A4

GDA 2020 1:27,500 Date: 30/01/2026

Data sources: EMM, Beca, Geoscience Australia, NSW State Government, WSP

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