

APPENDIX

INLAND
RAIL 

L

Matters of National Environmental Significance Technical Report

Part 4 of 4

INLAND RAIL—BORDER TO GOWRIE ENVIRONMENTAL IMPACT STATEMENT

APPENDIX

L

Matters of National Environmental Significance Technical Report

Appendix E Flora Species List

Part 2 of 2

INLAND RAIL—BORDER TO GOWRIE ENVIRONMENTAL IMPACT STATEMENT



Legend

- Localities
 - 5 Chainage (km)
 - Watercourses
 - NSW/QLD border
 - Project footprint
 - ▨ Impact assessment area
- Predicted Habitat**
- Potential habitat



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Anomalopus mackayi* (Five-clawed worm-skink)



Legend

- | | |
|---------------------------------------|--------------------------|
| 5 Chainage (km) | Predicted Habitat |
| --+-- Existing rail (non-operational) | Orange Important habitat |
| Blue Watercourses | Green Potential habitat |
| Yellow Project footprint | |
| Black dashed Impact assessment area | |



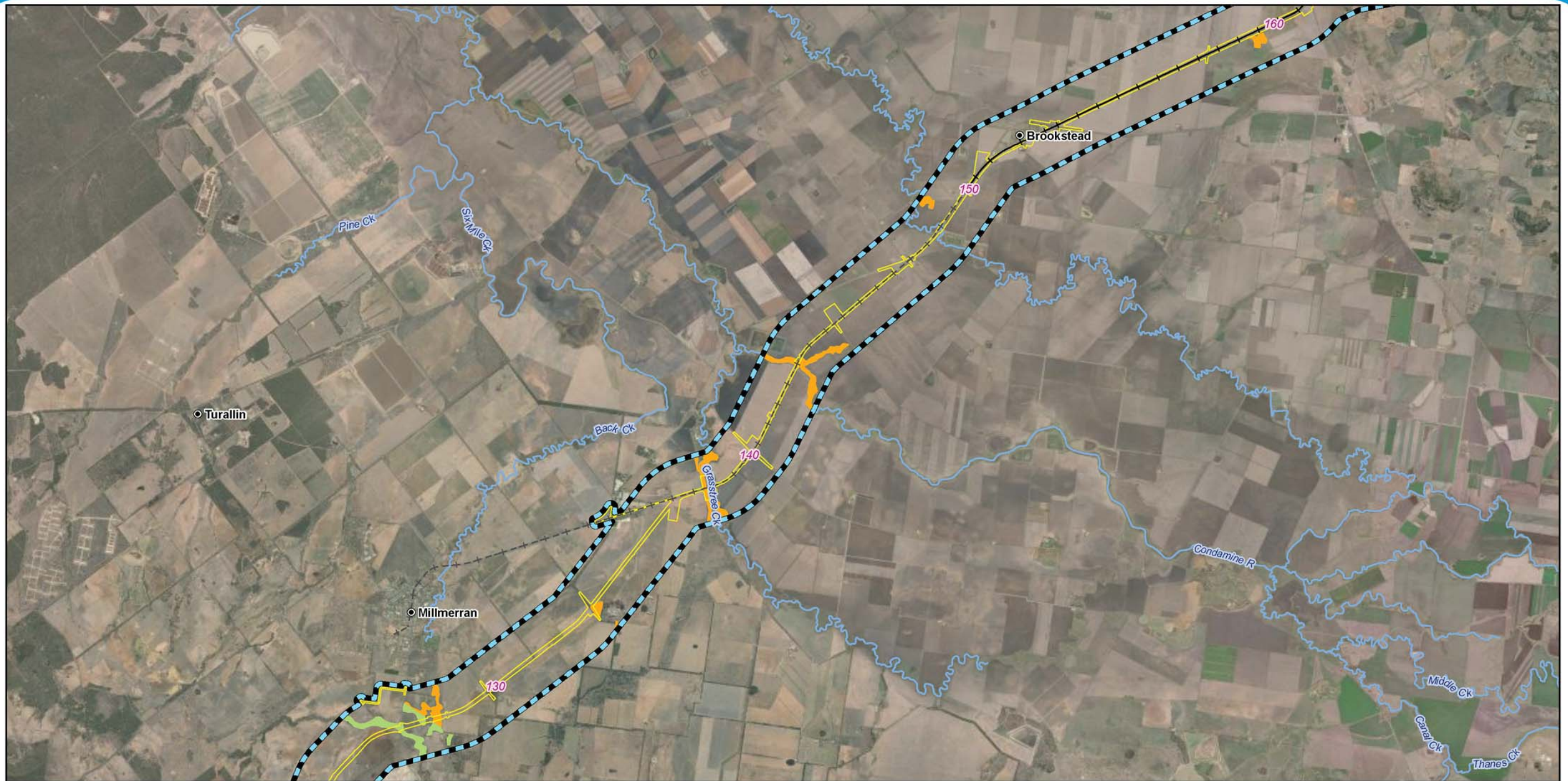
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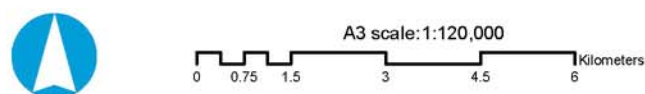
ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Anomalopus mackayi* (Five-clawed worm-skink)



Legend

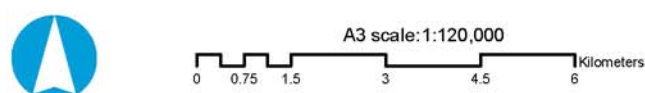
- Localities
 - 5 Chainage (km)
 - Existing rail (operational)
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 - Watercourses
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 - Potential habitat





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Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- Watercourses
- Gowrie to Helidon alignment
- Project footprint
- Impact assessment area

Predicted Habitat

- Important habitat



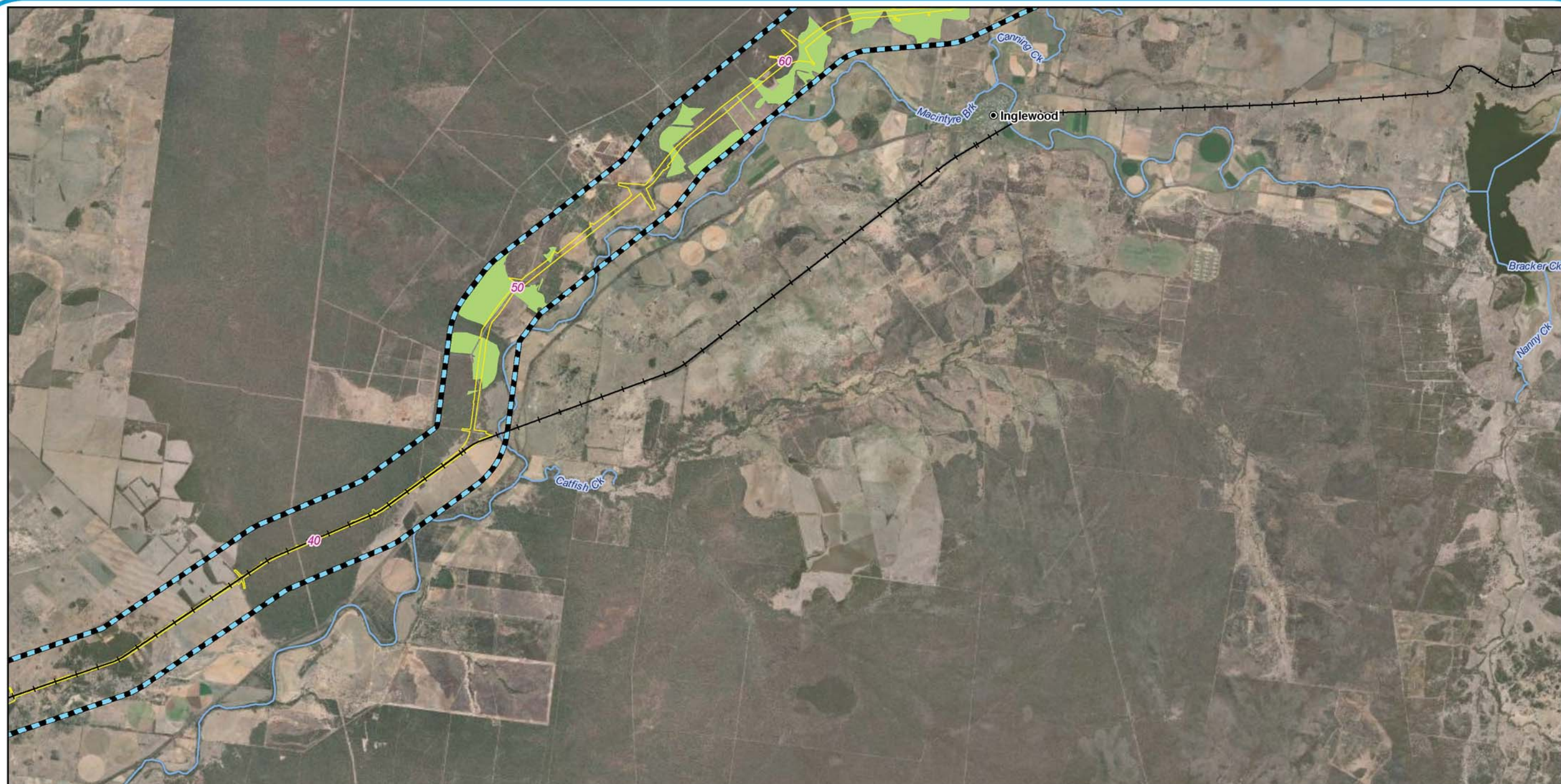
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ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Anomalopus mackayi* (Five-clawed worm-skink)



Legend

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Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Anthochaera phrygia* (Regent honeyeater)



Legend

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ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Anthochaera phrygia* (Regent honeyeater)



Legend

- 5 Chainage (km)
 - +-- Existing rail (non-operational)
 - Watercourses
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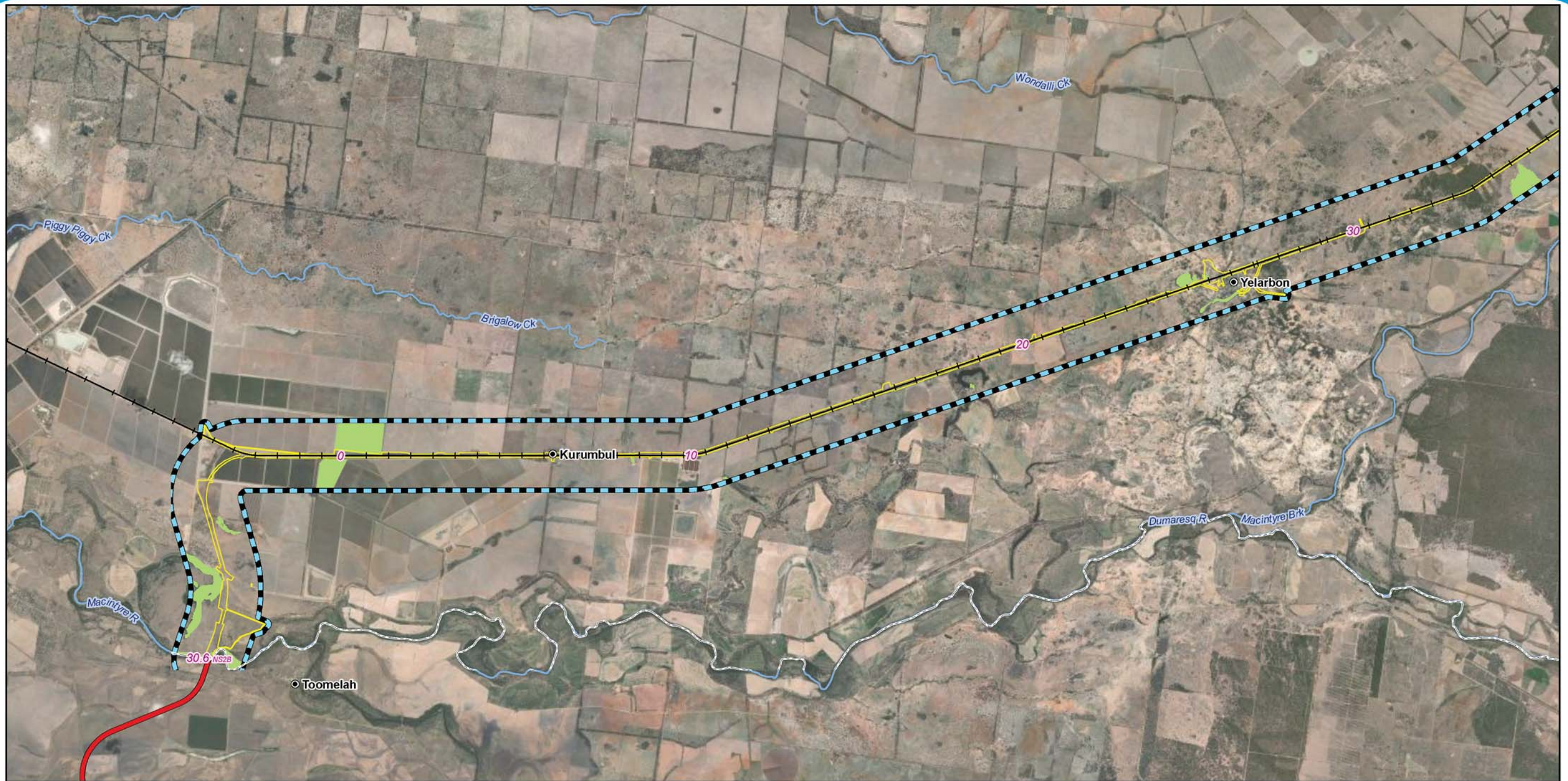
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ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Anthochaera phrygia* (Regent honeyeater)



Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- Watercourses
- NSW/QLD border
- North Star to NSW/QLD border alignment
- Project footprint
- Impact assessment area

Predicted Habitat

- Potential habitat



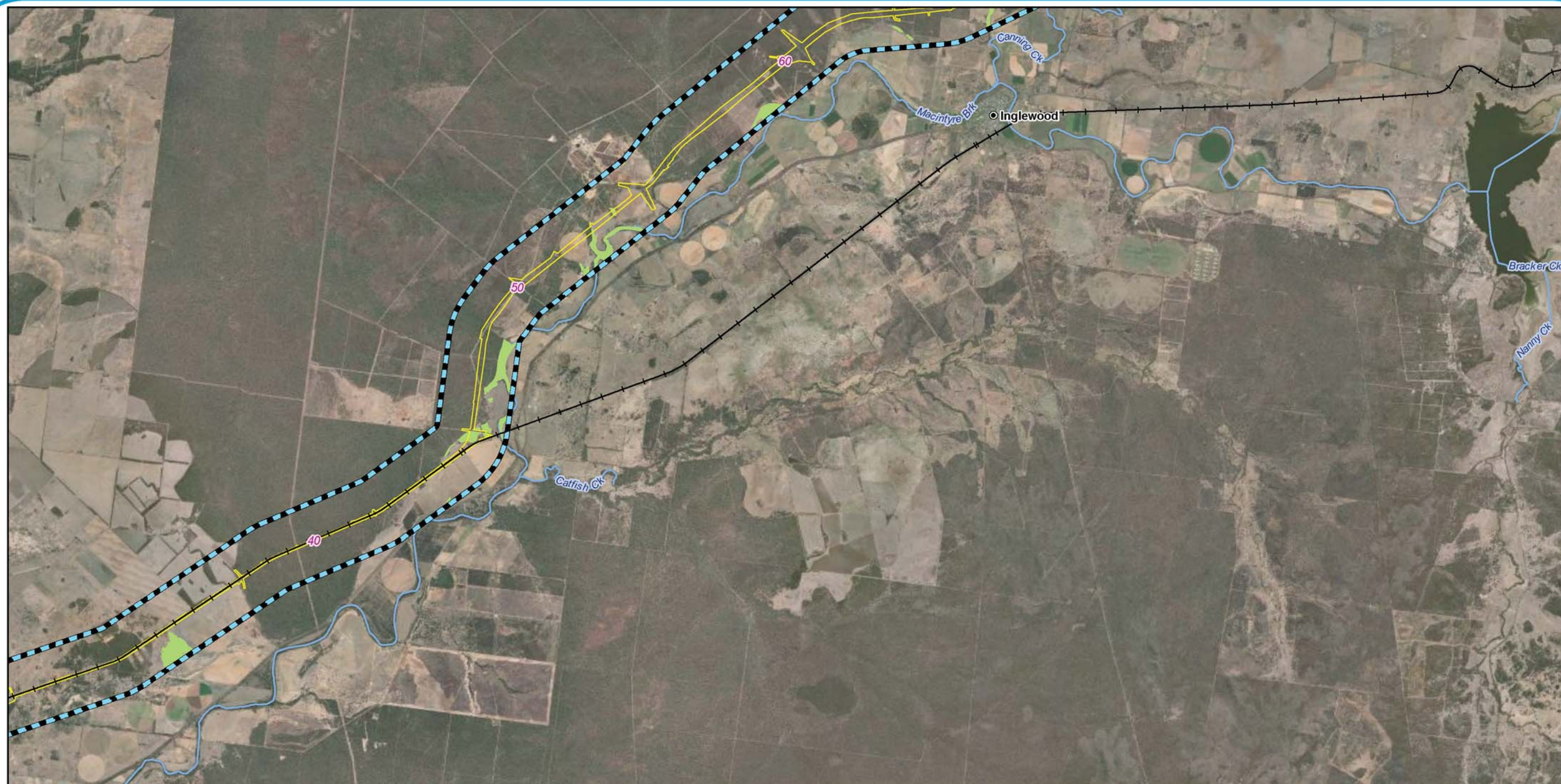
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Issue date: 21/05/2020 Version: 4
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ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Botaurus poiciloptilus* (Australasian bittern)



Legend

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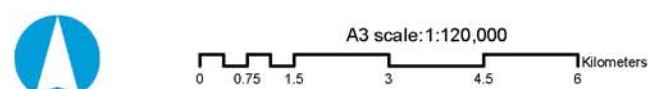
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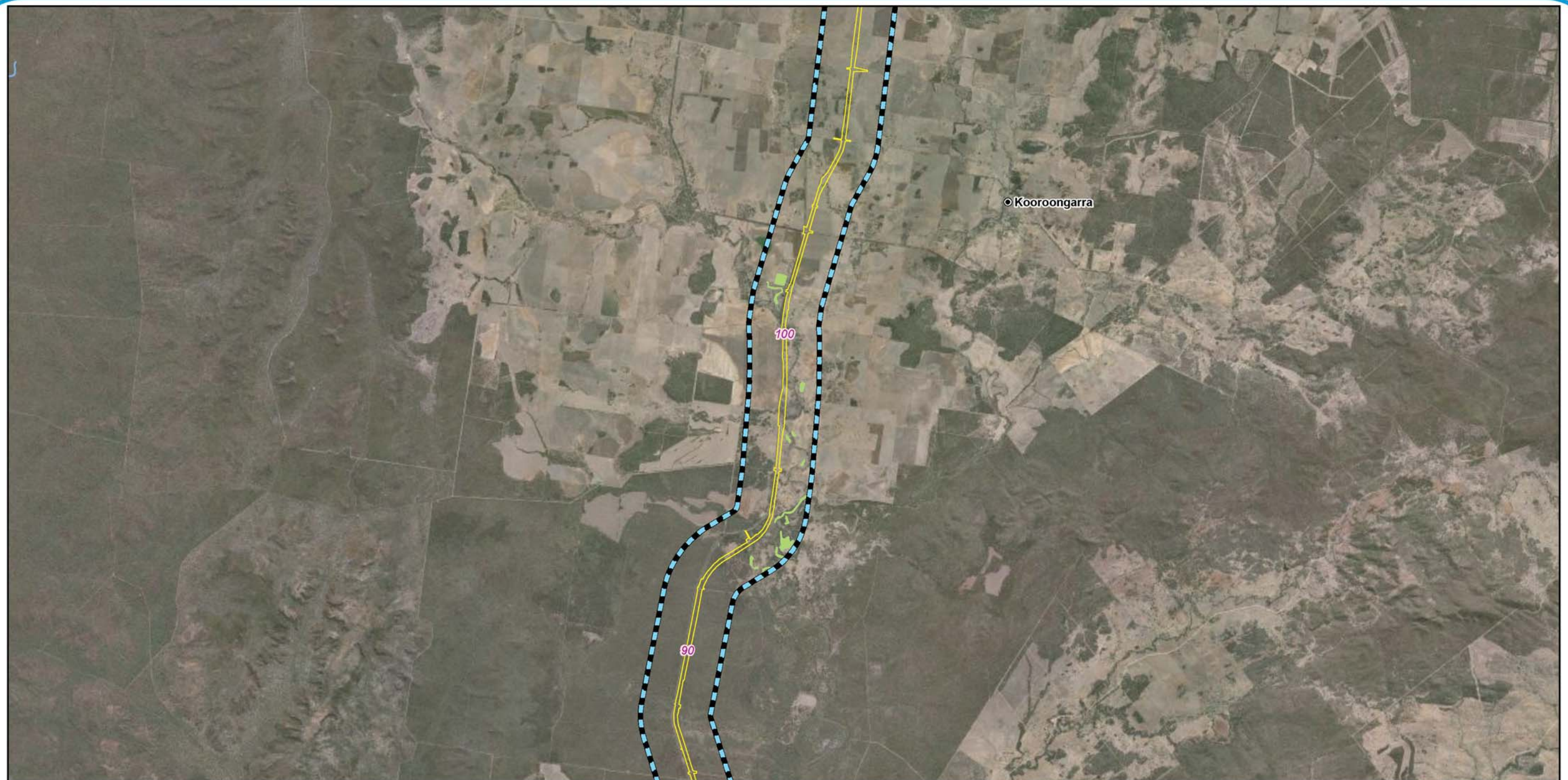
Predicted Habitat: *Botaurus poiciloptilus* (Australasian bittern)



Legend

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ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Botaurus poiciloptilus* (Australasian bittern)



Legend

- 5 Chainage (km)
 - +-- Existing rail (non-operational)
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Predicted Habitat: *Botaurus poiciloptilus* (Australasian bittern)



Legend

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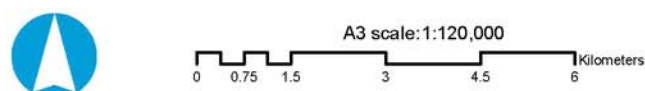
ARTC Inland Rail Study: Border to Gowrie

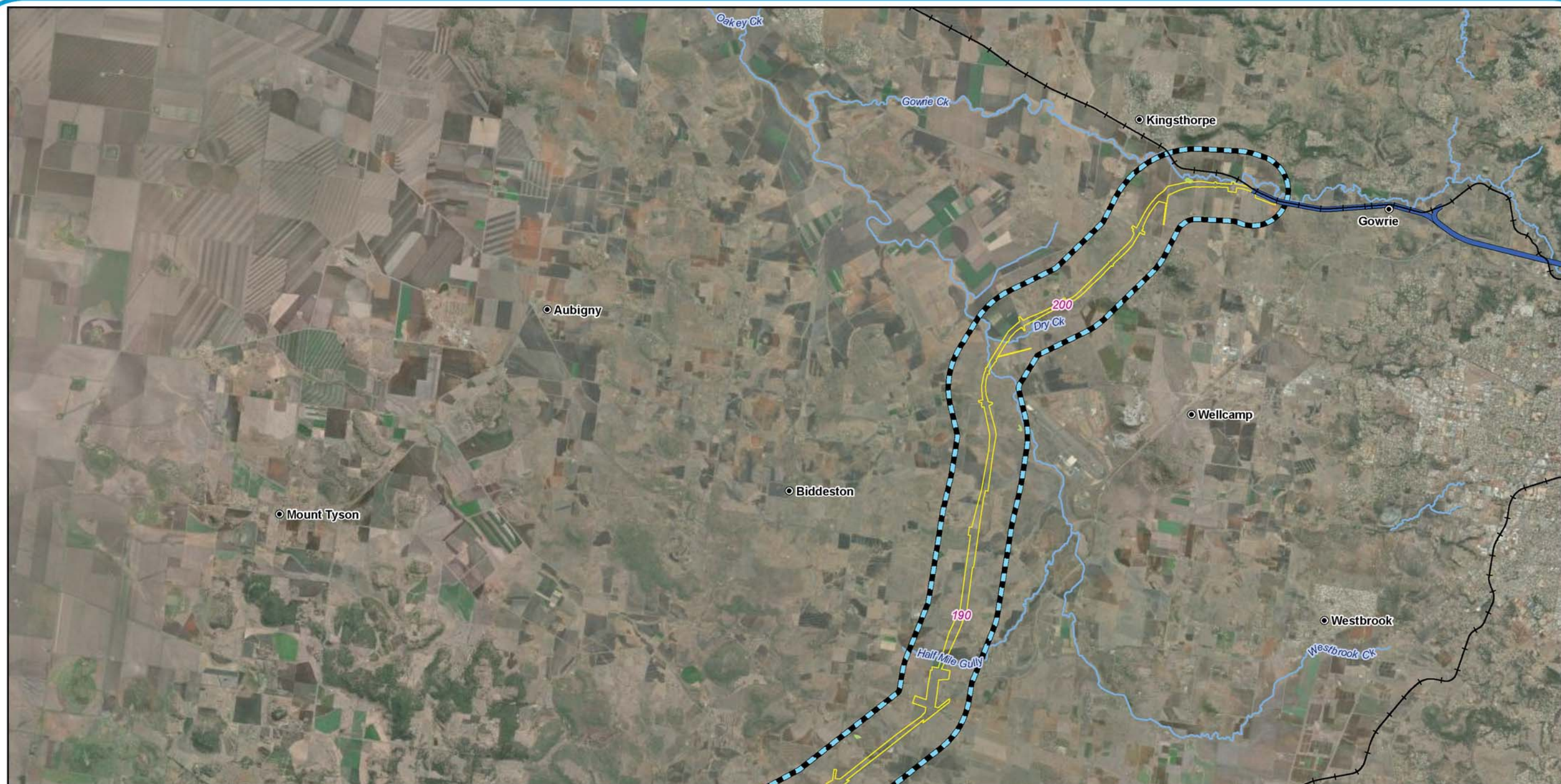
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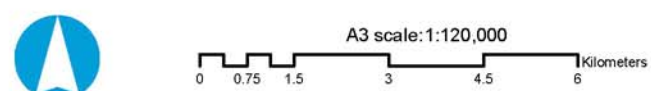


Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- Watercourses
- Gowrie to Helidon alignment
- Project footprint
- Impact assessment area

Predicted Habitat

- Potential habitat





Legend

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Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Calidris ferruginea* (Curlew sandpiper)



Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- - - Existing rail (non-operational)
- Watercourses
- Project footprint
- Impact assessment area

Predicted Habitat

- Potential habitat



A3 scale: 1:120,000
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Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

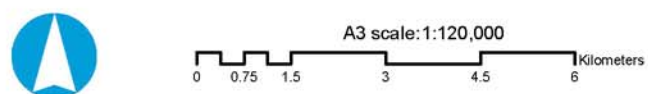
ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Calidris ferruginea* (Curlew sandpiper)



Legend

- Localities
 - 5 Chainage (km)
 - Existing rail (operational)
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Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- Watercourses
- Gowrie to Helidon alignment
- Project footprint
- Impact assessment area

Predicted Habitat

- Potential habitat



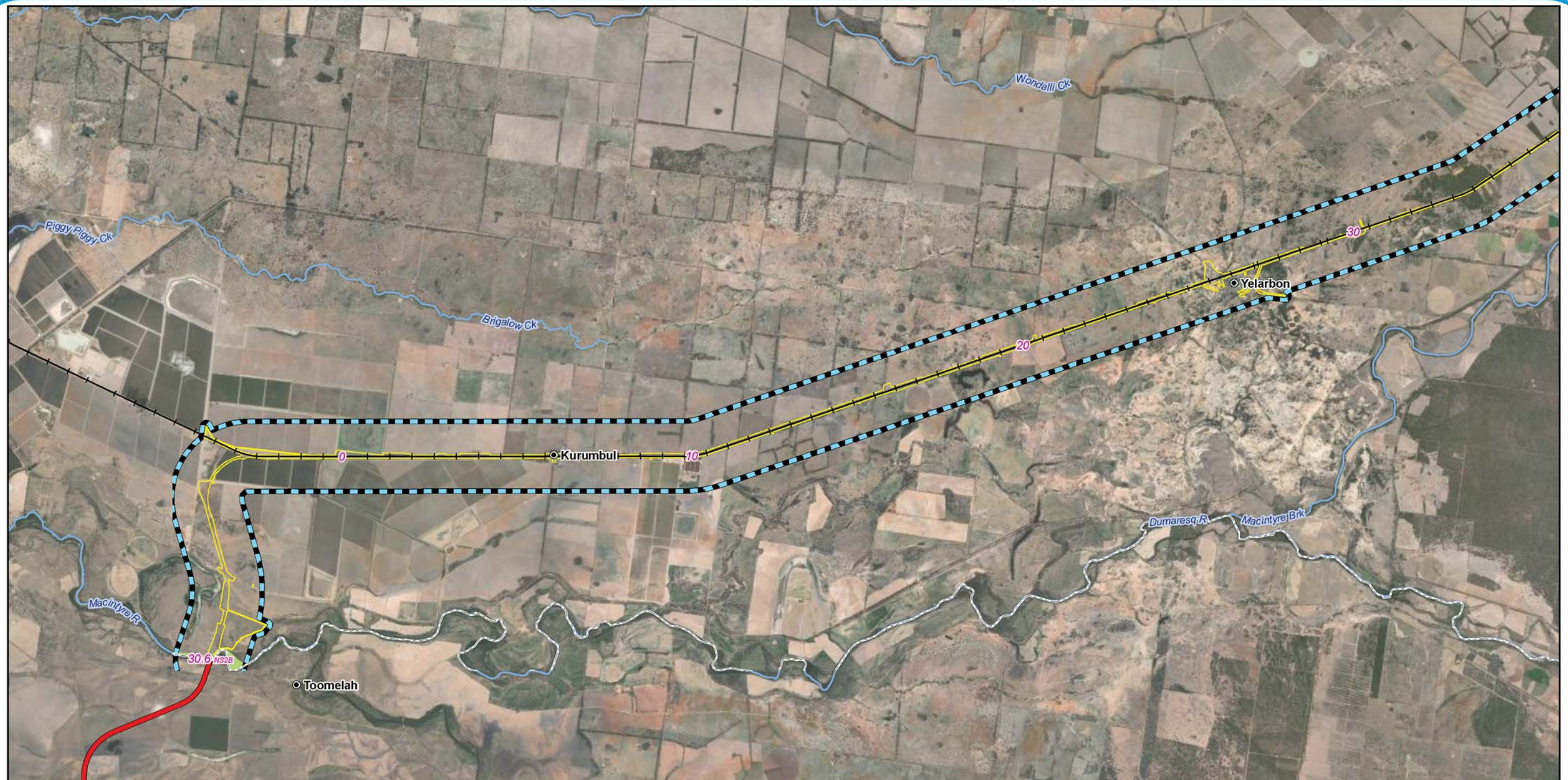
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ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Calidris ferruginea* (Curlew sandpiper)

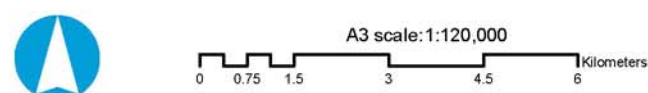


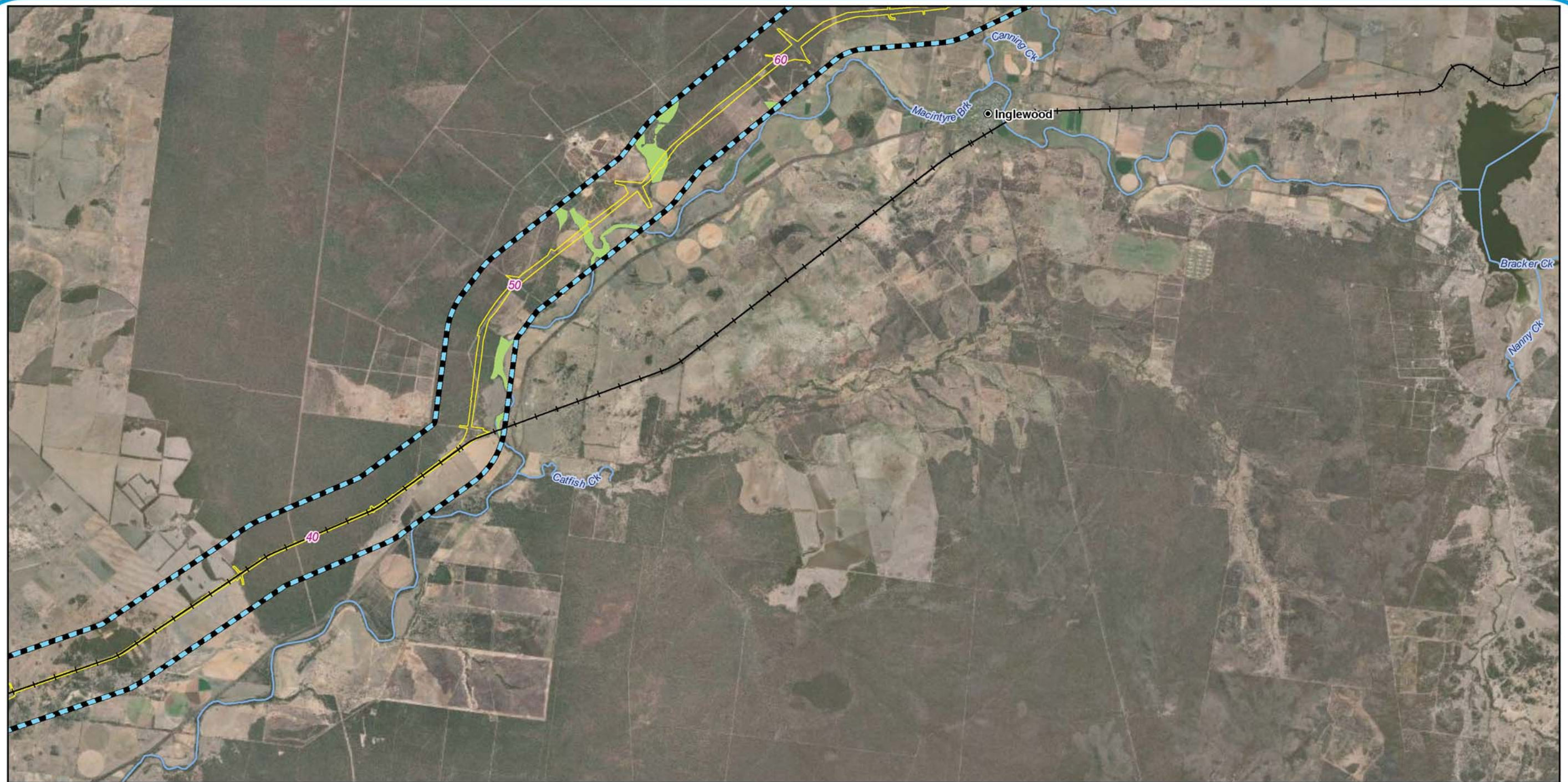
Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- Watercourses
- NSW/QLD border
- North Star to NSW/QLD border alignment
- Project footprint
- Impact assessment area

Predicted Habitat

- Potential habitat





Legend

- Localities
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 - Existing rail (operational)
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 - Impact assessment area
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Issue date: 21/05/2020 Version: 4
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ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Chalinolobus dwyeri* (Large-eared pied bat)



Legend

- Localities
 - 5 Chainage (km)
 - Existing rail (operational)
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ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Chalinolobus dwyeri* (Large-eared pied bat)



Legend

- Localities
- 5 Chainage (km)
- Watercourses
- NSW/QLD border
- Project footprint
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Predicted Habitat

- Potential habitat



A3 scale: 1:120,000
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ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Chalinolobus dwyeri* (Large-eared pied bat)



Legend

- 5 Chainage (km)
 - +-- Existing rail (non-operational)
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A3 scale: 1:120,000
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ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Chalinolobus dwyeri* (Large-eared pied bat)



Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
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- Watercourses
- Project footprint
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Predicted Habitat

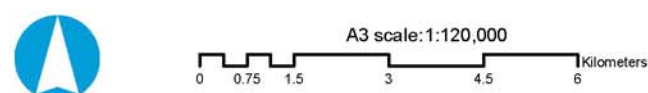
- Potential habitat

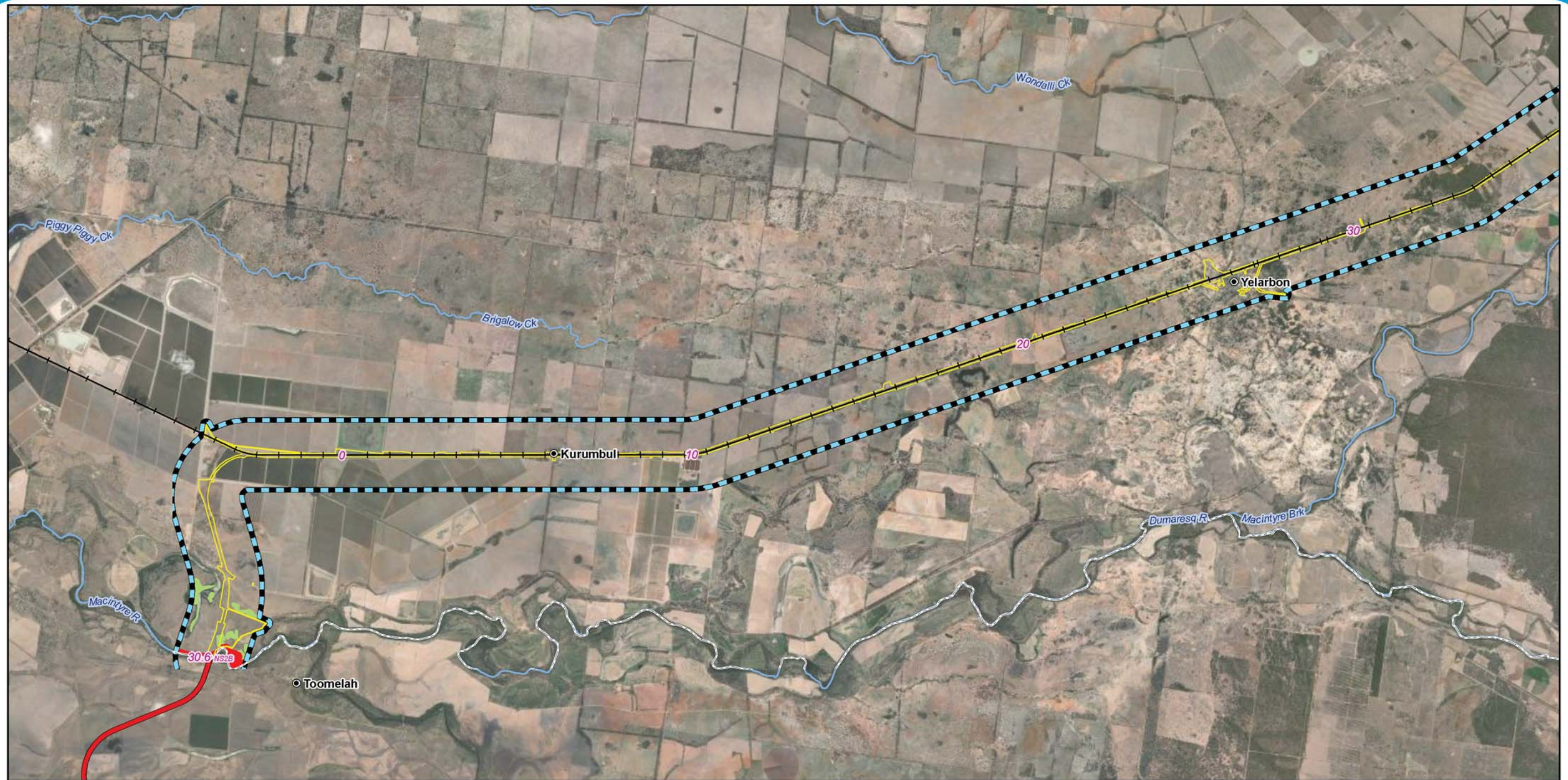




Legend

- Localities
 - 5 Chainage (km)
 - Existing rail (operational)
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 - Watercourses
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- Potential habitat



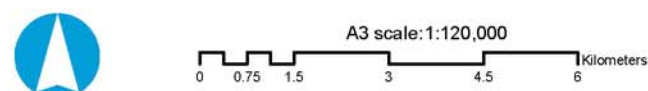


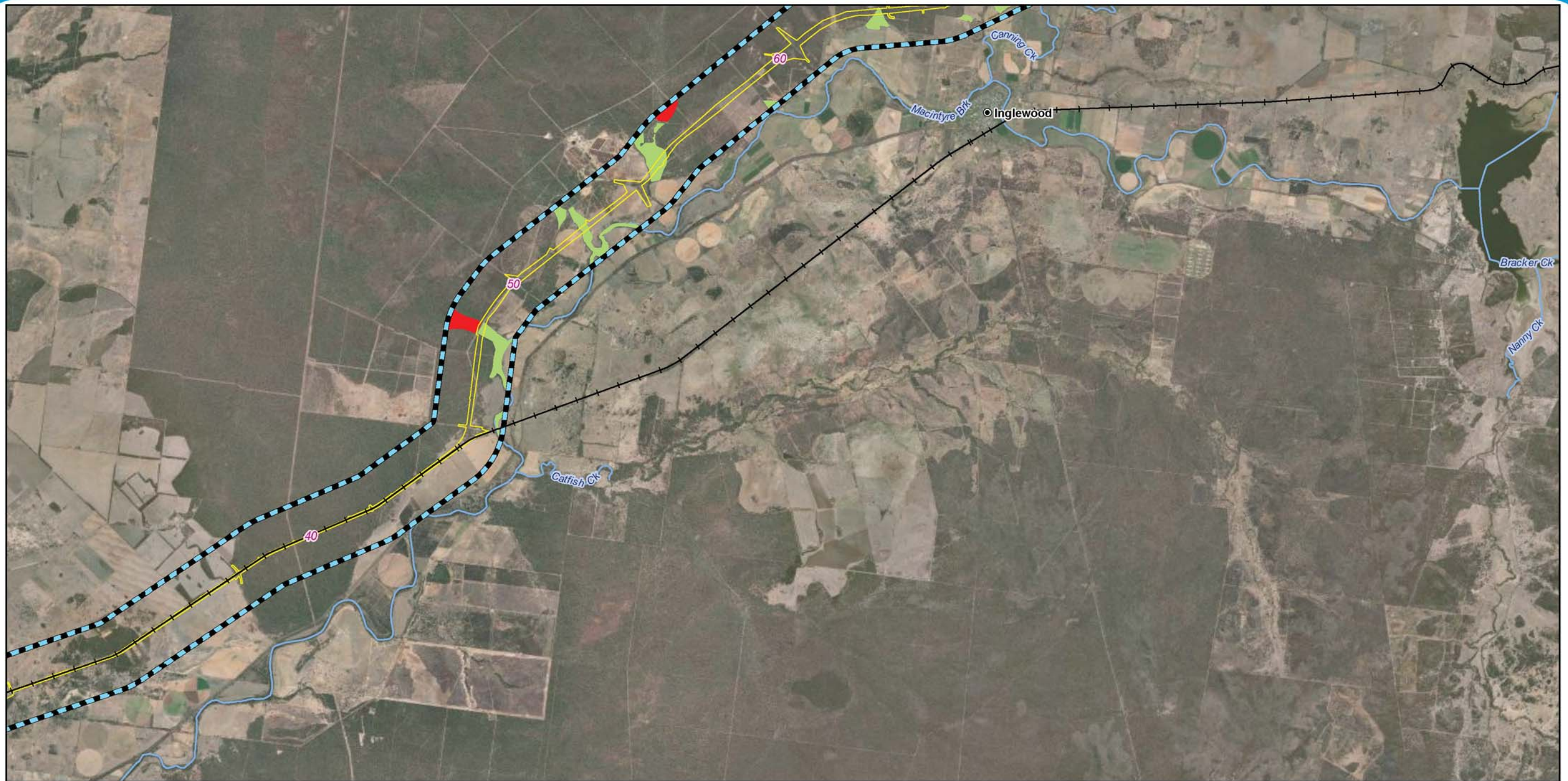
Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- Watercourses
- NSW/QLD border
- North Star to NSW/QLD border alignment
- Project footprint
- Impact assessment area

Predicted Habitat

- Habitat critical to the survival of the species
- Potential habitat





Legend

- Localities
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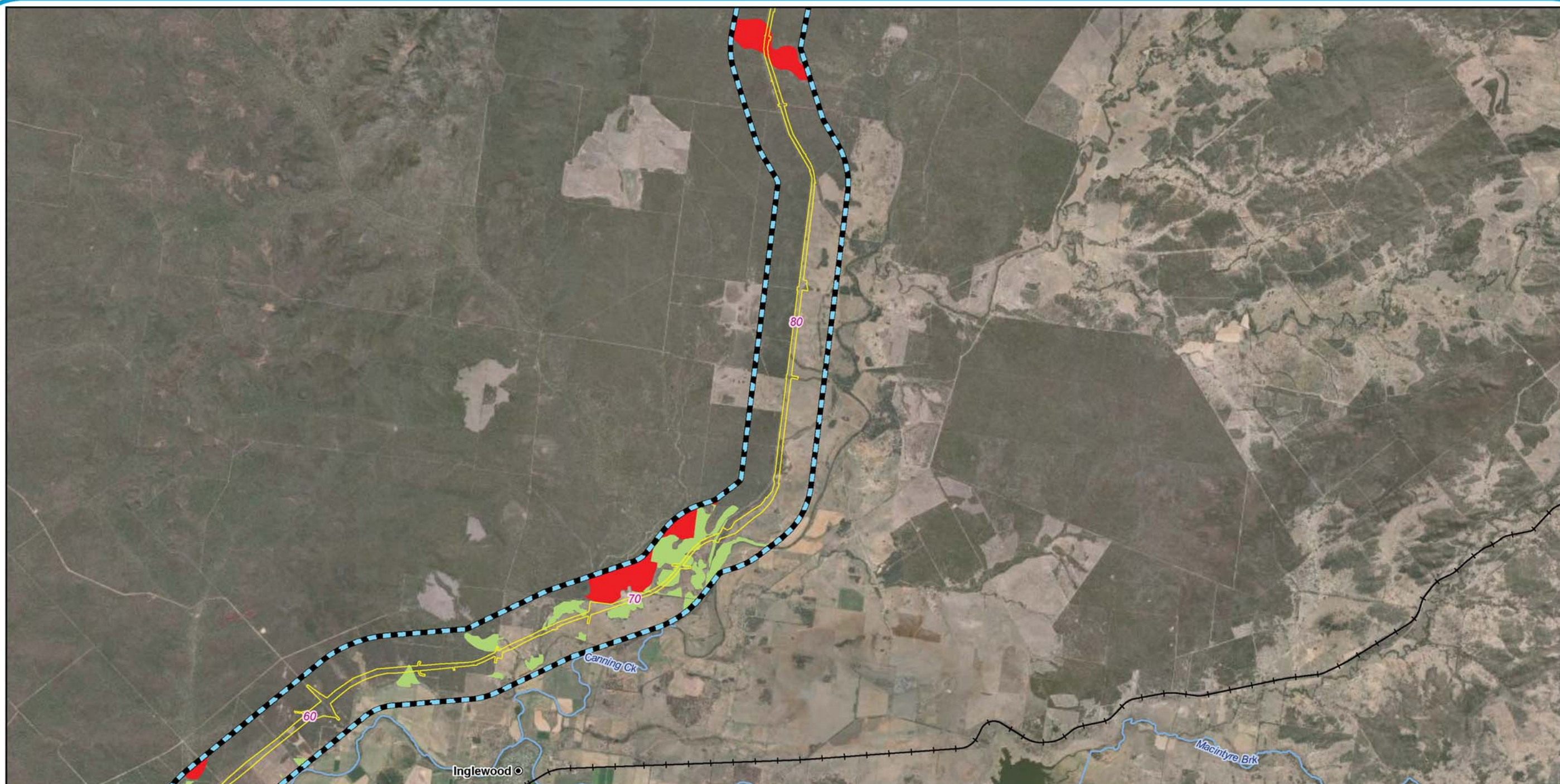
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ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Dasyurus maculatus maculatus* (Spotted-tailed quoll)



Legend

- Localities
 - 5 Chainage (km)
 - Existing rail (operational)
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ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Dasyurus maculatus maculatus* (Spotted-tailed quoll)



Legend

- Localities
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Predicted Habitat

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ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Dasyurus maculatus maculatus* (Spotted-tailed quoll)



Legend

- 5 Chainage (km)
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ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Dasyurus maculatus maculatus* (Spotted-tailed quoll)



Legend

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- Habitat critical to the survival of the species
- Potential habitat



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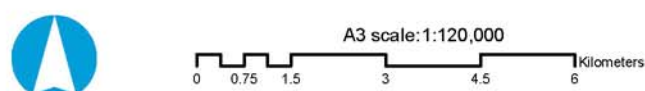
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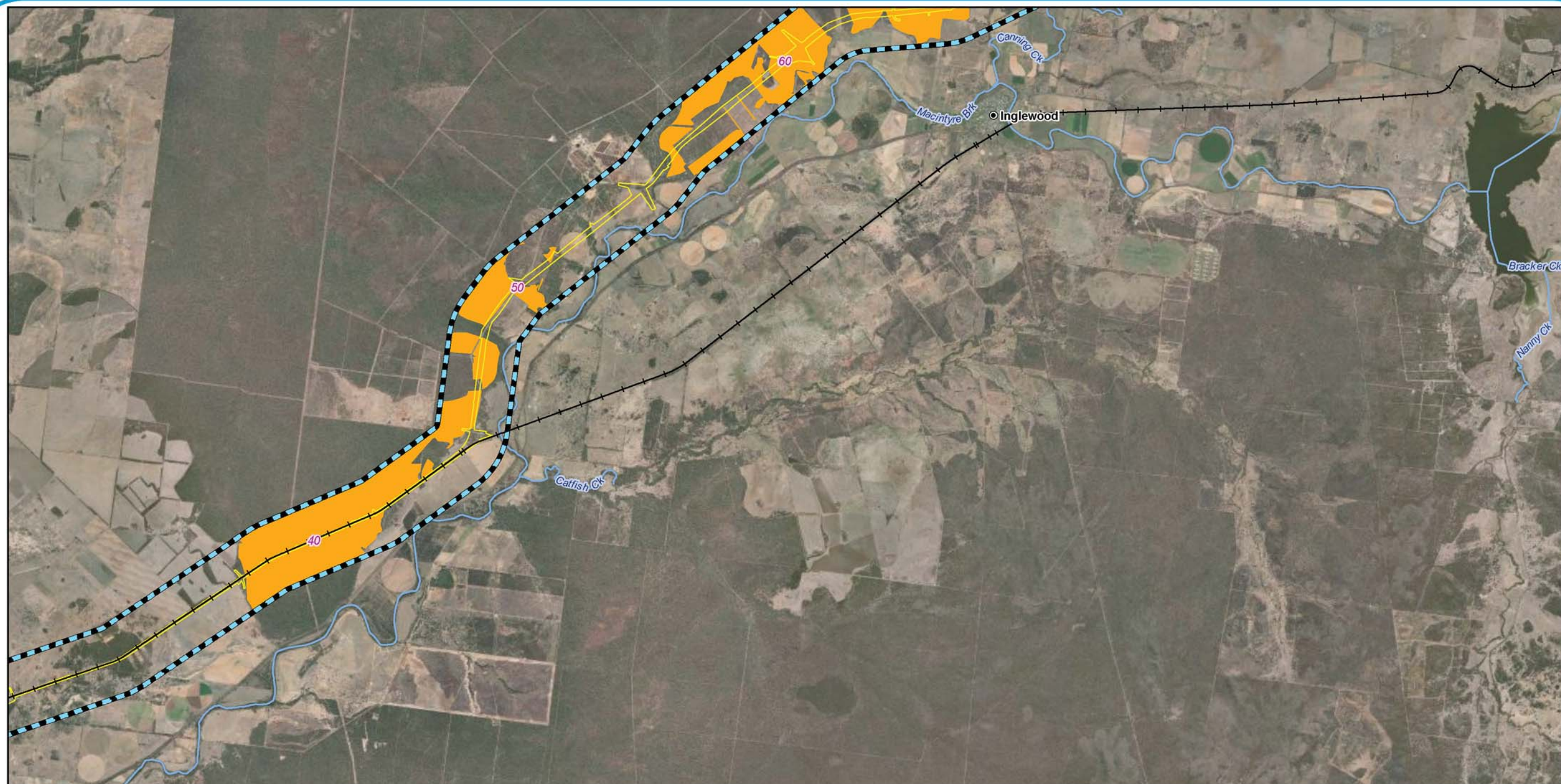
Predicted Habitat: *Dasyurus maculatus maculatus* (Spotted-tailed quoll)



Legend

- Localities
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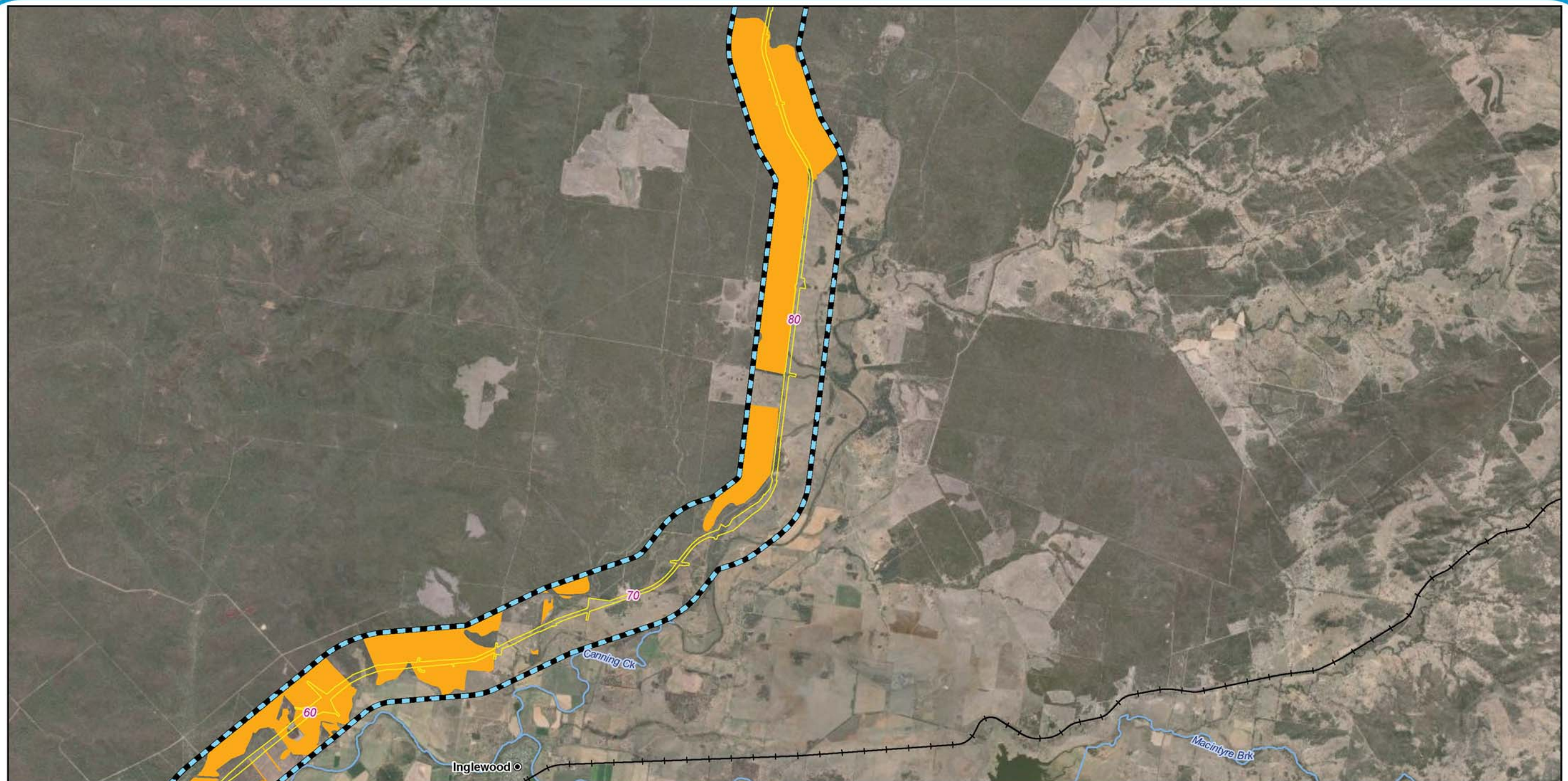
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Issue date: 21/05/2020 Version: 4
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ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Delma torquata* (Collared delma)



Legend

- Localities
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ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Delma torquata* (Collared delma)



Legend

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Predicted Habitat

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ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Delma torquata* (Collared delma)



Legend

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Predicted Habitat: *Delma torquata* (Collared delma)



Legend

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Predicted Habitat

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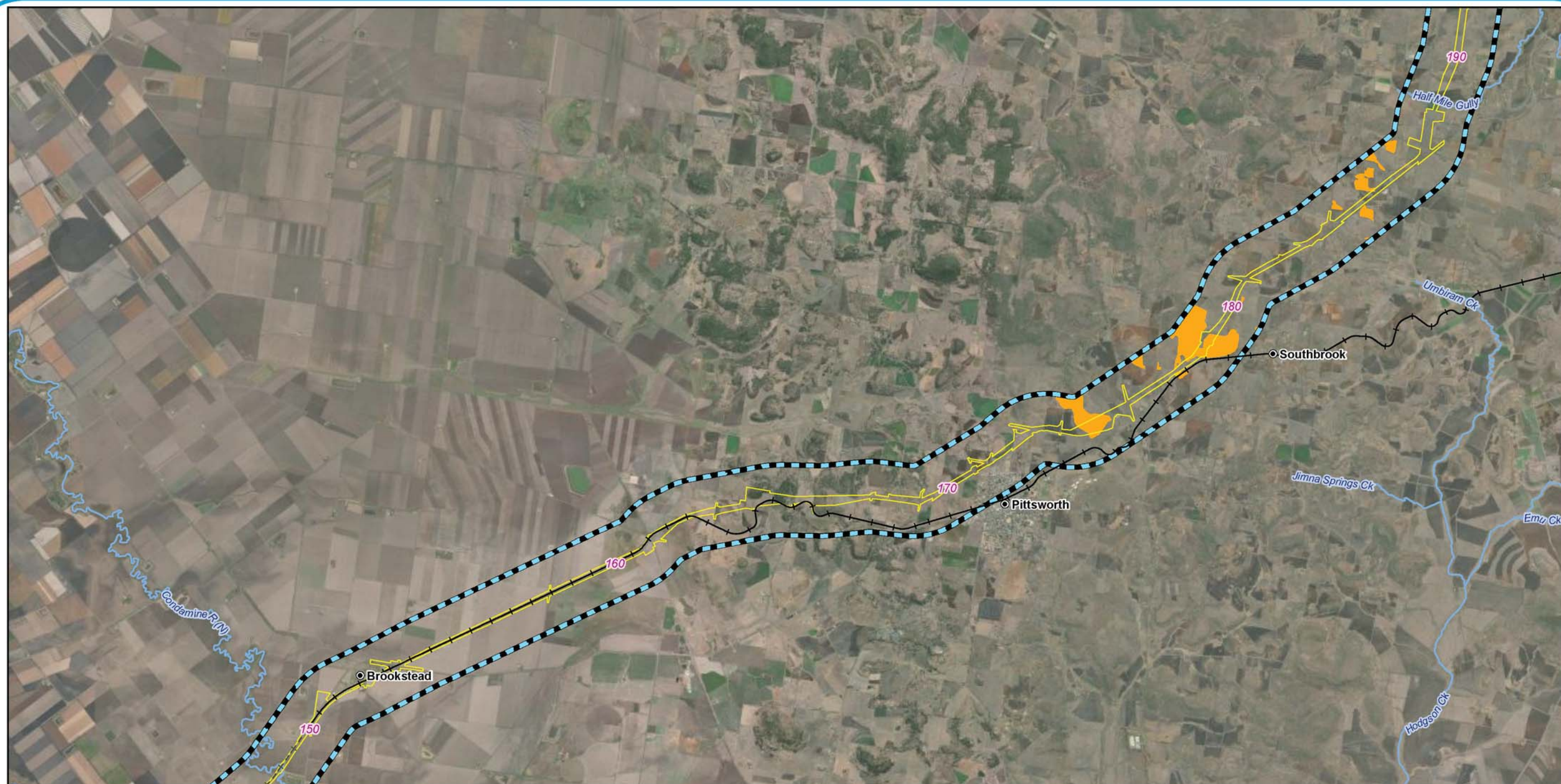
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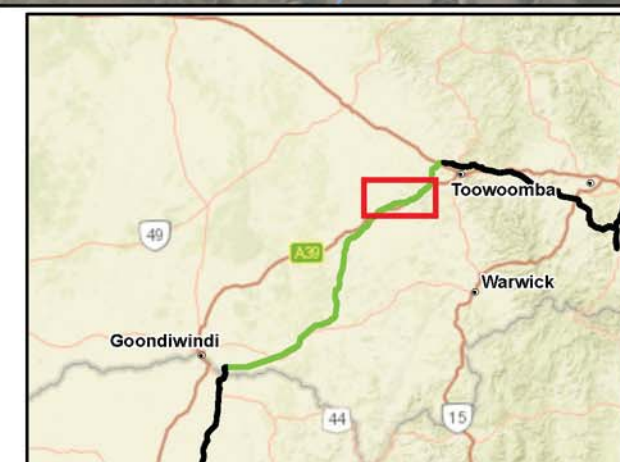
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Predicted Habitat: *Delma torquata* (Collared delma)



Legend

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Predicted Habitat: *Delma torquata* (Collared delma)



Legend

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 - Existing rail (operational)
 - Watercourses
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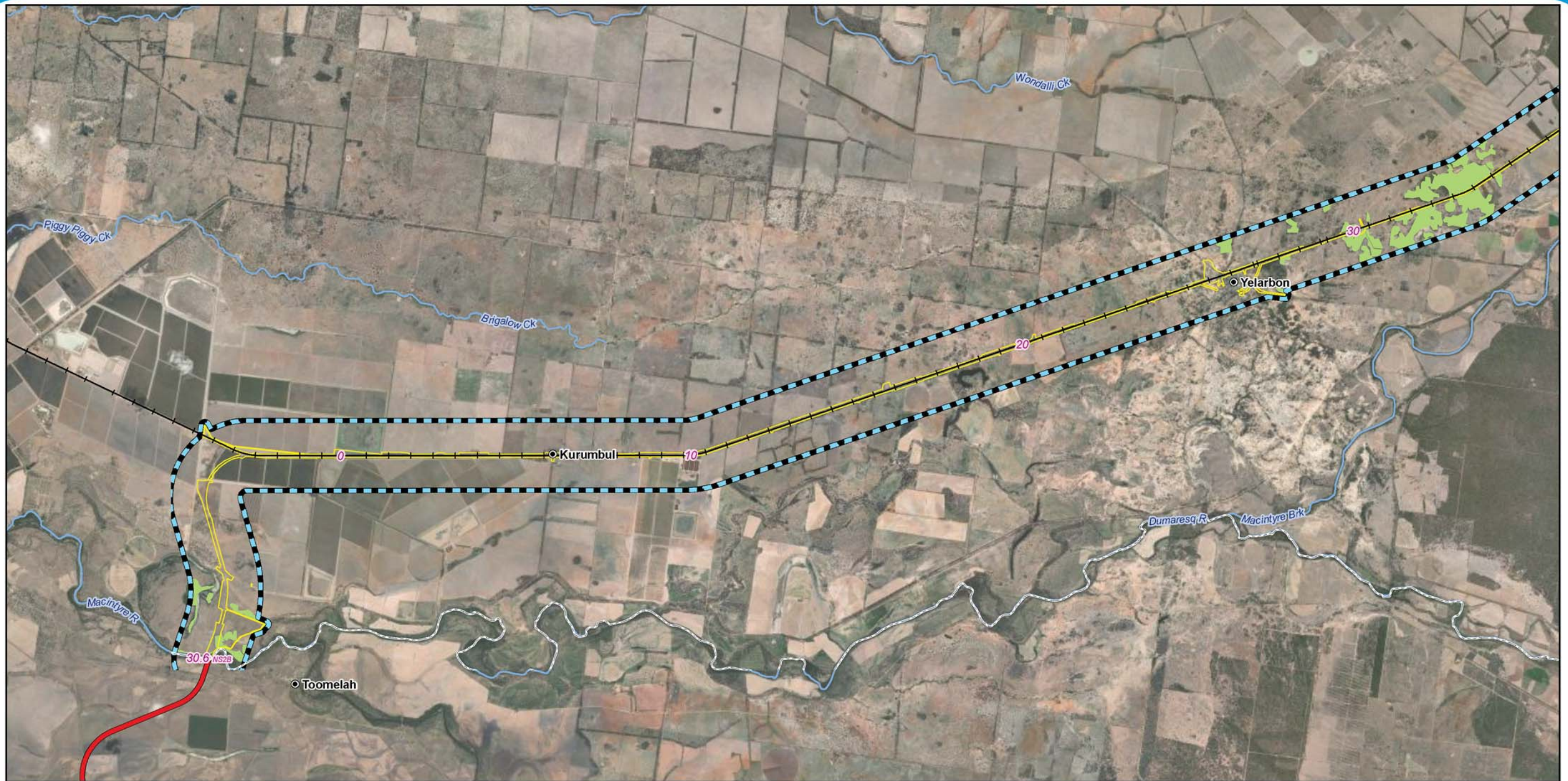
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Predicted Habitat: *Delma torquata* (Collared delma)



Legend

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Predicted Habitat

- Potential habitat



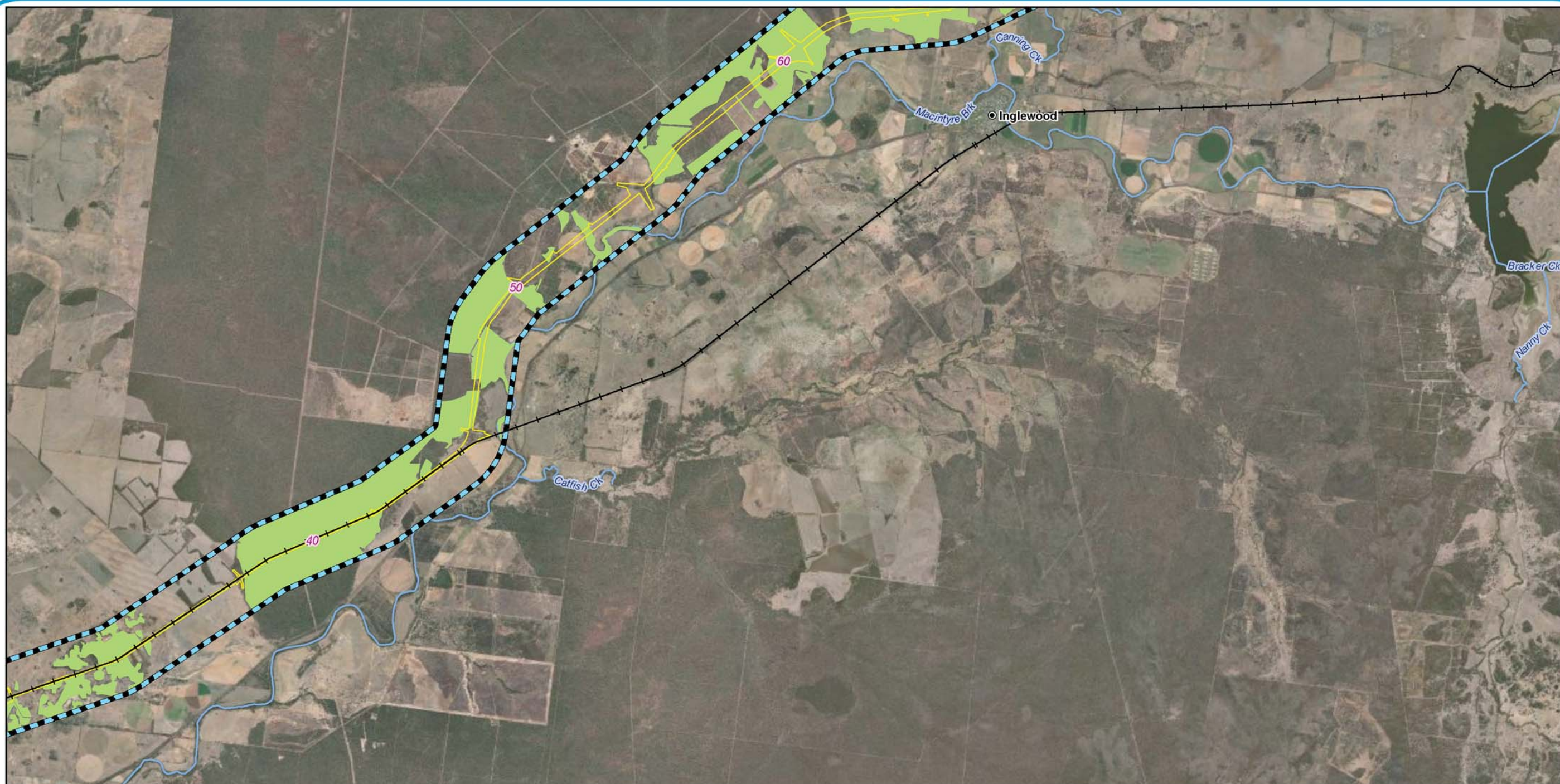
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ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Egernia rugosa* (Yakka skink)



Legend

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ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Egernia rugosa* (Yakka skink)



Legend

- Localities
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Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Egernia rugosa* (Yakka skink)



Legend

- Localities
 - 5 Chainage (km)
 - Watercourses
 - NSW/QLD border
 - Project footprint
 - ▨ Impact assessment area
- Predicted Habitat**
- Potential habitat



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Egernia rugosa* (Yakka skink)



Legend

- 5 Chainage (km)
 - +-- Existing rail (non-operational)
 - Watercourses
 - Project footprint
 - ▨ Impact assessment area
- Predicted Habitat**
- Potential habitat



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Egernia rugosa* (Yakka skink)



Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- - - Existing rail (non-operational)
- Watercourses
- Project footprint
- Impact assessment area

Predicted Habitat

- Potential habitat



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

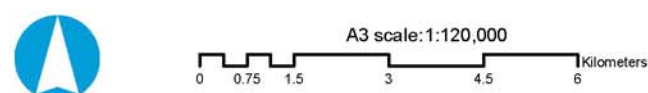
ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Egernia rugosa* (Yakka skink)



Legend

- Localities
 - 5 Chainage (km)
 - Existing rail (operational)
 - - - Existing rail (non-operational)
 - Watercourses
 - Project footprint
 - Impact assessment area
- Predicted Habitat**
- Potential habitat





Legend

- Localities
 - 5 Chainage (km)
 - Existing rail (operational)
 - Watercourses
 - NSW/QLD border
 - Project footprint
 - Impact assessment area
- Predicted Habitat**
- Habitat critical to the survival of the species
 - Potential habitat



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Erythroriorchis radiatus* (Red goshawk)



Legend

- 5 Chainage (km)
 - +-- Existing rail (non-operational)
 - Watercourses
 - Project footprint
 - ▨ Impact assessment area
- Predicted Habitat**
- Potential habitat



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

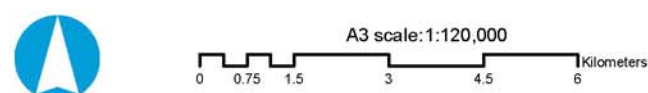
ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Erythroriorchis radiatus* (Red goshawk)



Legend

- Localities
 - 5 Chainage (km)
 - Existing rail (operational)
 - - - Existing rail (non-operational)
 - Watercourses
 - Project footprint
 - ▨ Impact assessment area
- Predicted Habitat**
- Potential habitat





Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- Watercourses
- Gowrie to Helidon alignment
- Project footprint
- Impact assessment area

Predicted Habitat

- Potential habitat



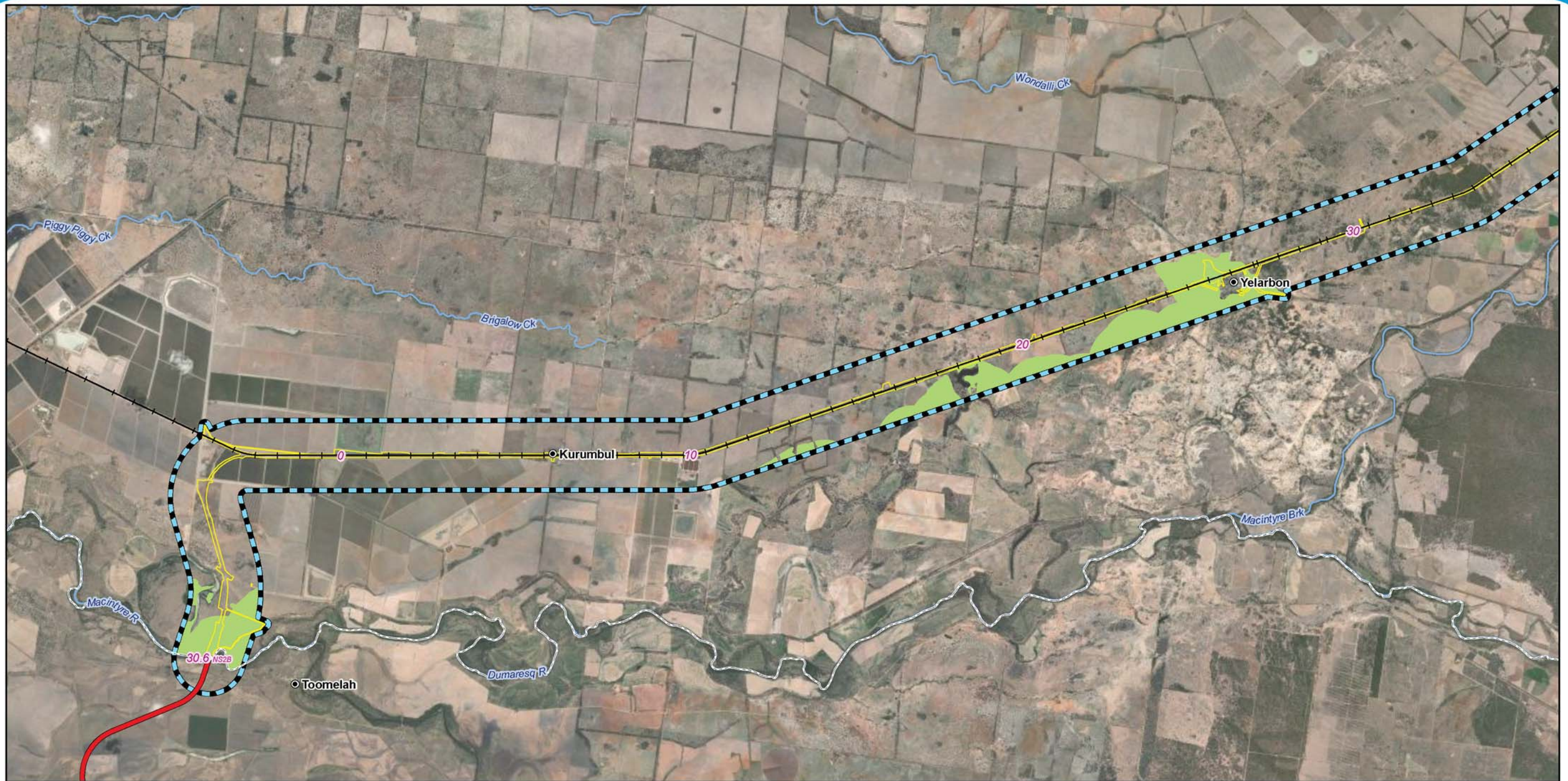
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Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Erythroriorchis radiatus* (Red goshawk)



Legend

- Localities
 - 5 Chainage (km)
 - Existing rail (operational)
 - Watercourses
 - NSW/QLD border
 - North Star to NSW/QLD border alignment
 - Project footprint
 - ▤ Impact assessment area
- Predicted Habitat**
- Potential habitat



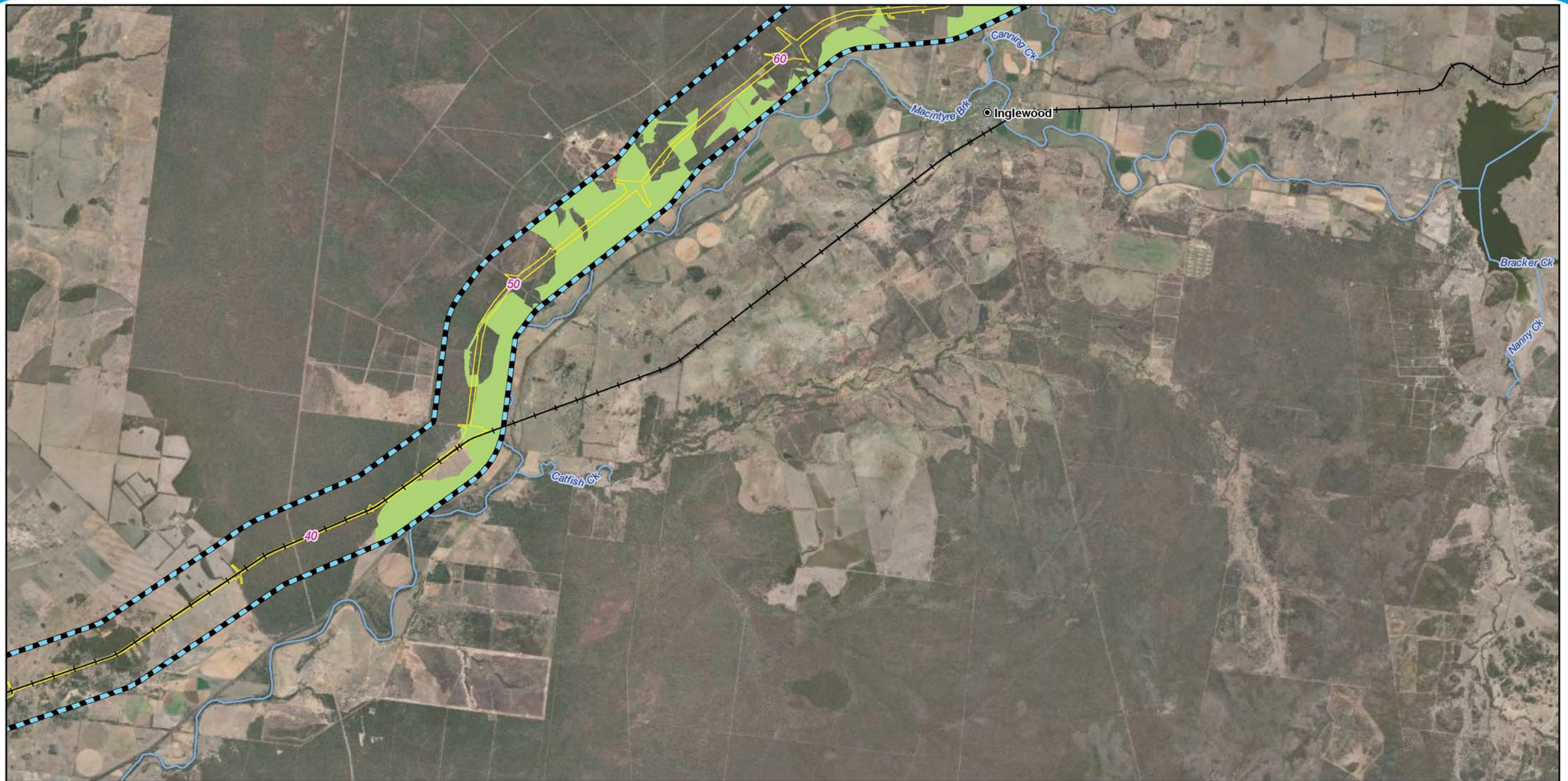
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Issue date: 17/09/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Falco hypoleucos* (Grey falcon)



Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- Watercourses
- Project footprint
- ▨ Impact assessment area
- Predicted Habitat**
- Potential habitat



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 17/09/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Falco hypoleucos* (Grey falcon)



Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- Watercourses
- Project footprint
- Impact assessment area
- Predicted Habitat**
- Potential habitat



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 17/09/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Falco hypoleucos* (Grey falcon)



Legend

- Localities
- 5 Chainage (km)
- Watercourses
- Project footprint
- Impact assessment area
- Predicted Habitat**
- Potential habitat



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 17/09/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Falco hypoleucos* (Grey falcon)



Legend

- 5 Chainage (km)
- +-- Existing rail (non-operational)
- Watercourses
- Project footprint
- Impact assessment area
- Predicted Habitat**
 - Potential habitat



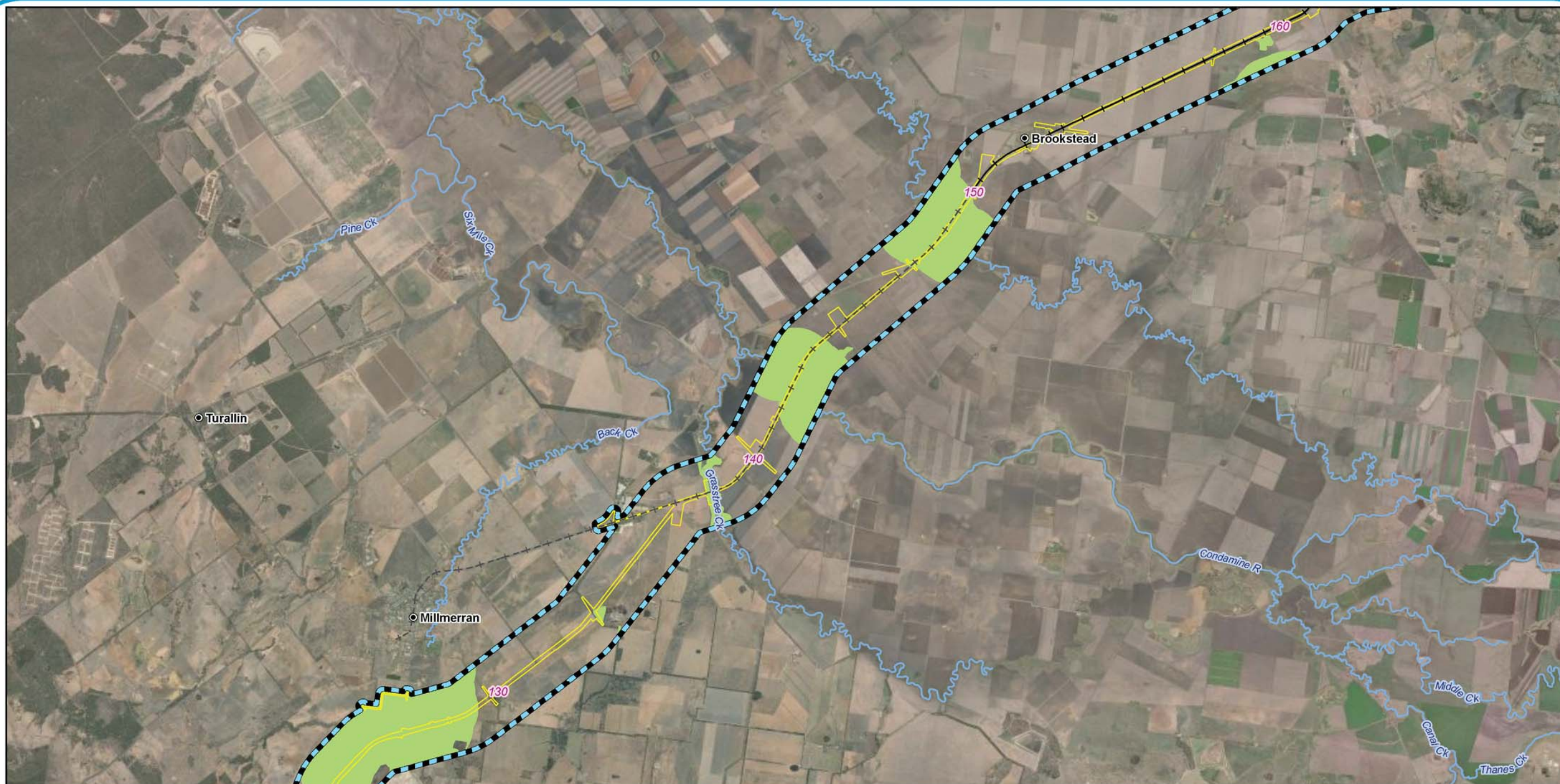
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0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 17/09/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Falco hypoleucos* (Grey falcon)



Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- - - Existing rail (non-operational)
- Watercourses
- Project footprint
- Impact assessment area
- Predicted Habitat**
- Potential habitat



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 17/09/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Falco hypoleucos* (Grey falcon)



Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- - - Existing rail (non-operational)
- Watercourses
- Project footprint
- ▤ Impact assessment area
- Predicted Habitat**
- Potential habitat



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 17/09/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Falco hypoleucos* (Grey falcon)



Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- Watercourses
- Gowrie to Helidon alignment
- Project footprint
- Impact assessment area
- Predicted Habitat**
- Potential habitat



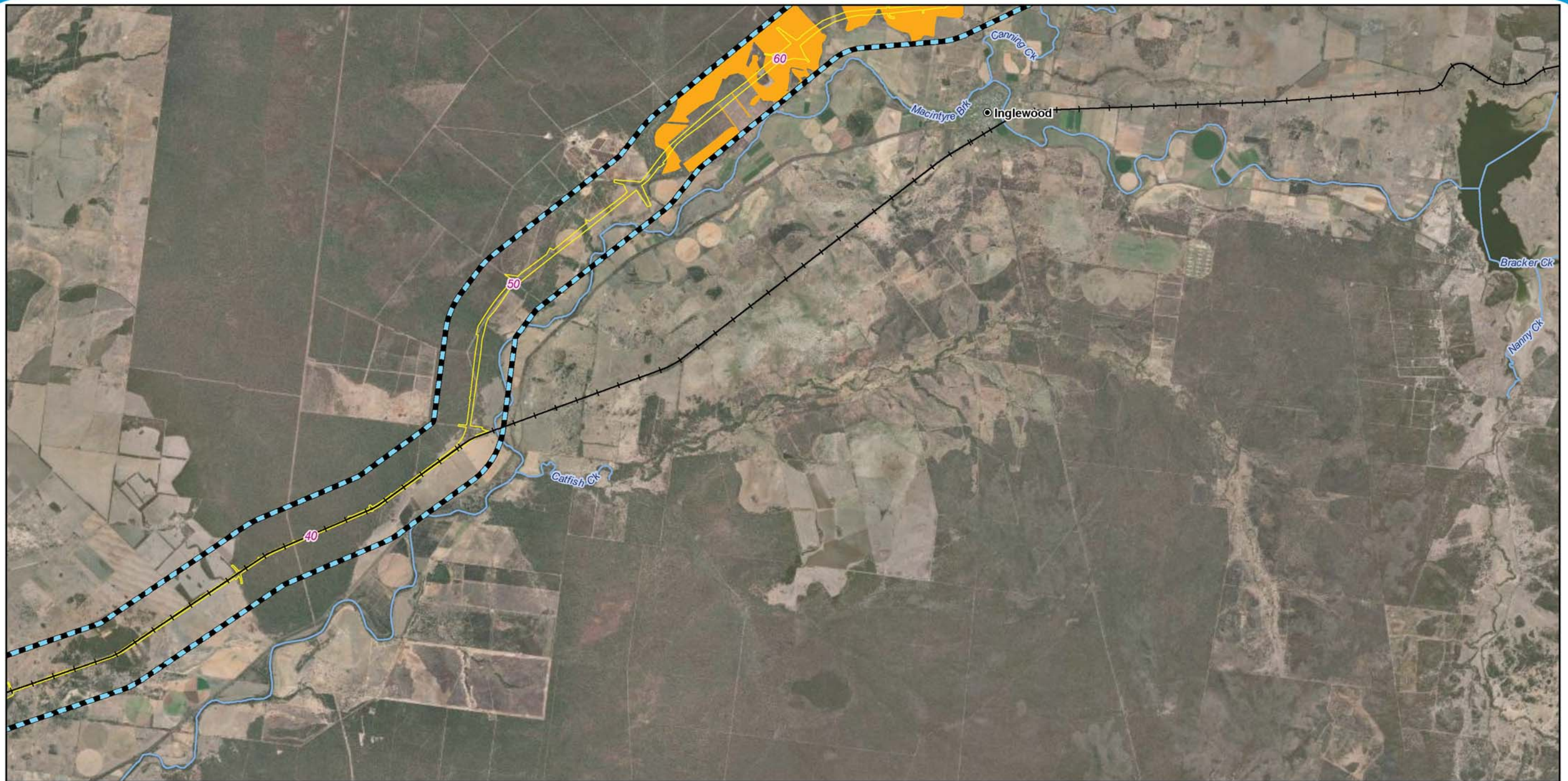
A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 17/09/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Falco hypoleucos* (Grey falcon)



Legend

- Localities
 - 5 Chainage (km)
 - Existing rail (operational)
 - Watercourses
 - NSW/QLD border
 - Project footprint
 - Impact assessment area
- Predicted Habitat**
- Important habitat



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Furina dunmalli* (Dunmall's snake)



Legend

- Localities
 - 5 Chainage (km)
 - Existing rail (operational)
 - Watercourses
 - NSW/QLD border
 - Project footprint
 - ▨ Impact assessment area
- Predicted Habitat**
- Important habitat



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Furina dunmalli* (Dunmalls snake)



Legend

- Localities
- 5 Chainage (km)
- Watercourses
- NSW/QLD border
- Project footprint
- ▨ Impact assessment area

Predicted Habitat

- Important habitat



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Furina dunmalli* (Dunmall's snake)



Legend

- 5 Chainage (km)
 - +-- Existing rail (non-operational)
 - Watercourses
 - Project footprint
 - ▨ Impact assessment area
- Predicted Habitat**
- Important habitat



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

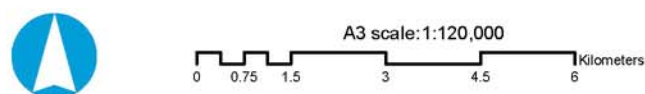
ARTC Inland Rail Study: Border to Gowrie

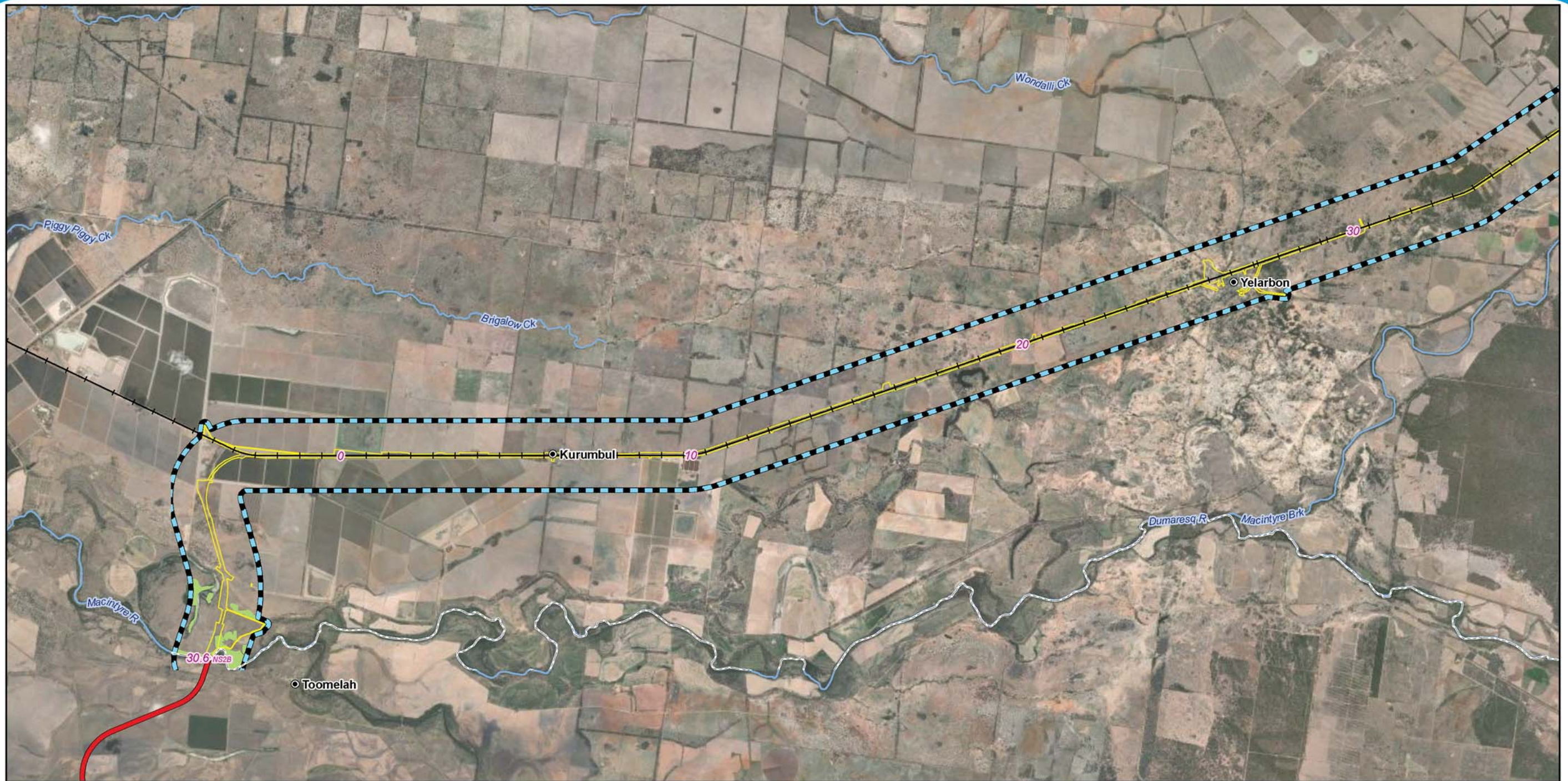
Predicted Habitat: *Furina dunmalli* (Dunmall's snake)



Legend

- Localities
 - 5 Chainage (km)
 - Existing rail (operational)
 - - - Existing rail (non-operational)
 - Watercourses
 - Project footprint
 - Impact assessment area
- Predicted Habitat**
- Important habitat





Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- Watercourses
- NSW/QLD border
- North Star to NSW/QLD border alignment
- Project footprint
- Impact assessment area

Predicted Habitat

- Potential habitat



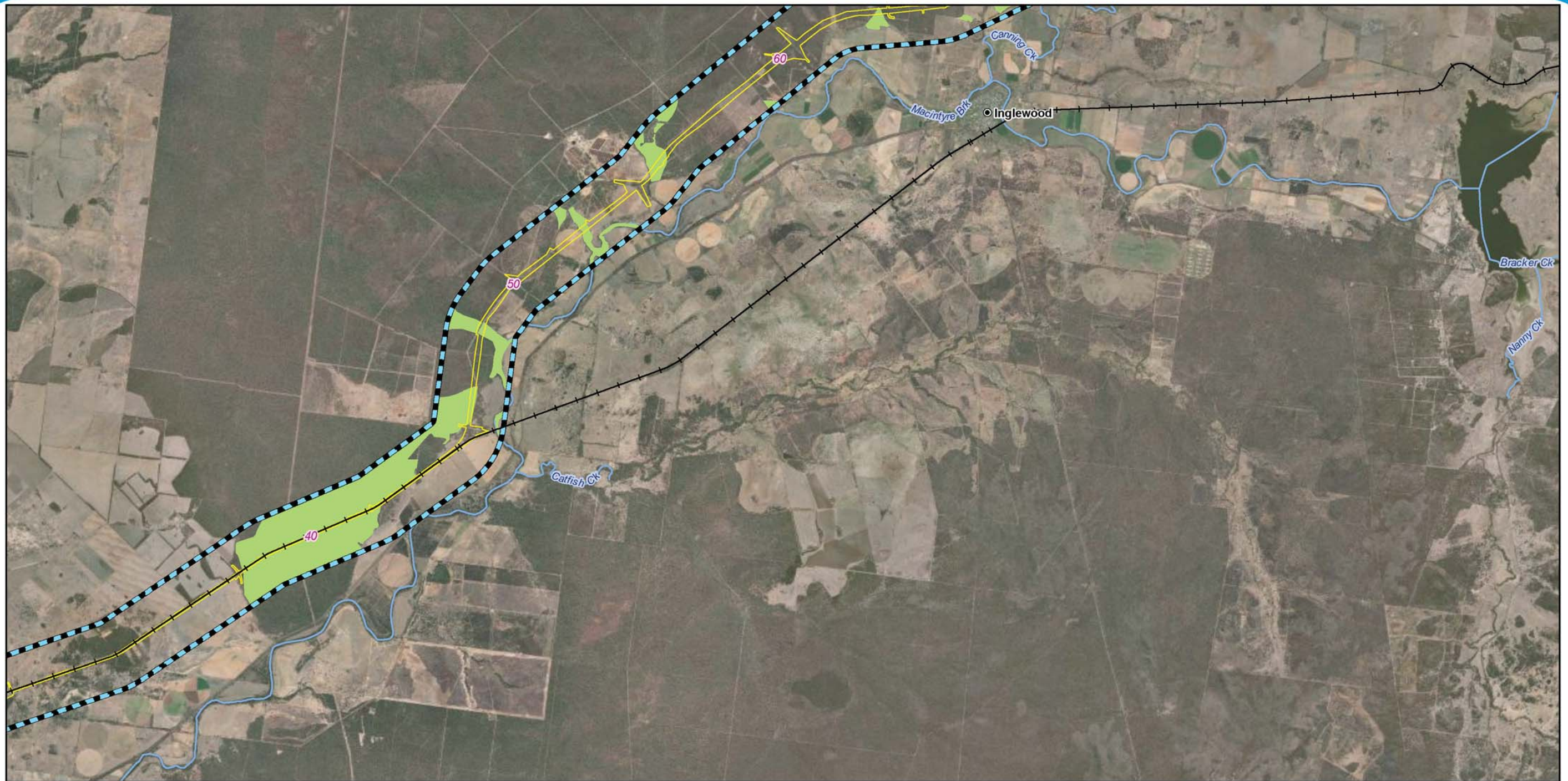
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Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

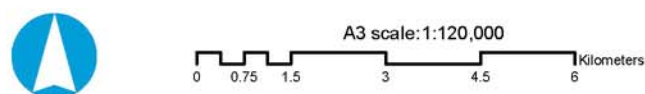
ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Geophaps scripta scripta* (Squatter pigeon (southern subspecies))



Legend

- Localities
 - 5 Chainage (km)
 - Existing rail (operational)
 - Watercourses
 - NSW/QLD border
 - Project footprint
 - Impact assessment area
- Predicted Habitat**
- Potential habitat





Legend

- Localities
 - 5 Chainage (km)
 - Existing rail (operational)
 - Watercourses
 - NSW/QLD border
 - Project footprint
 - ▨ Impact assessment area
- Predicted Habitat**
- Potential habitat



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Geophaps scripta scripta* (Squatter pigeon (southern subspecies))



Legend

- Localities
 - 5 Chainage (km)
 - Watercourses
 - NSW/QLD border
 - Project footprint
 - ▨ Impact assessment area
- Predicted Habitat**
- Potential habitat



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Geophaps scripta scripta* (Squatter pigeon (southern subspecies))



Legend

- 5 Chainage (km)
 - +-- Existing rail (non-operational)
 - Watercourses
 - Project footprint
 - ▨ Impact assessment area
- Predicted Habitat**
- Potential habitat



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Geophaps scripta scripta* (Squatter pigeon (southern subspecies))



Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- - - Existing rail (non-operational)
- Watercourses
- Project footprint
- Impact assessment area

Predicted Habitat

- Potential habitat



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

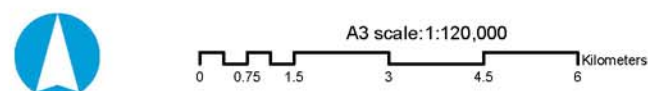
ARTC Inland Rail Study: Border to Gowrie

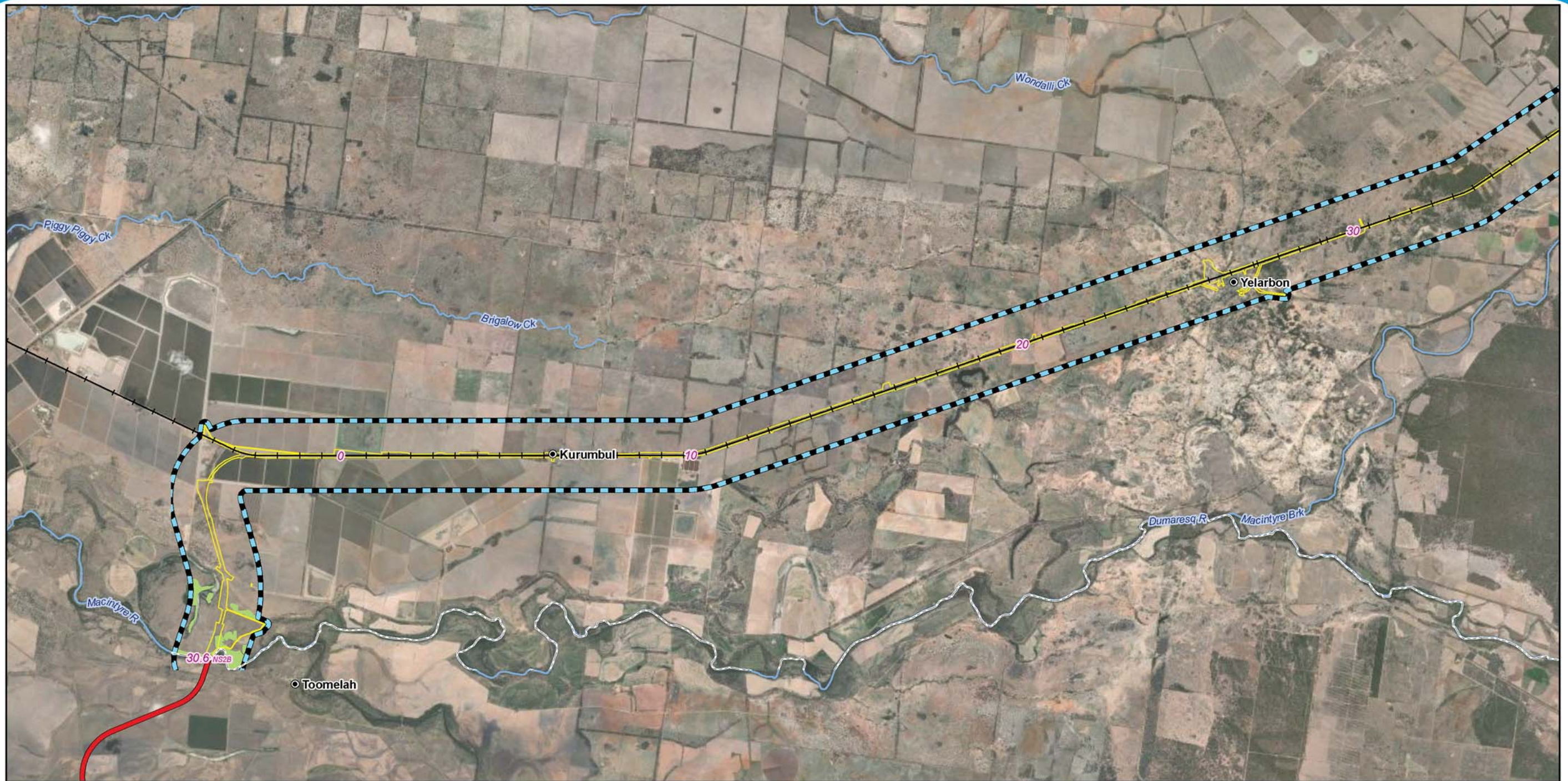
Predicted Habitat: *Geophaps scripta scripta* (Squatter pigeon (southern subspecies))



Legend

- Localities
 - 5 Chainage (km)
 - Existing rail (operational)
 - - - Existing rail (non-operational)
 - Watercourses
 - Project footprint
 - Impact assessment area
- Predicted Habitat**
- Potential habitat





Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- Watercourses
- NSW/QLD border
- North Star to NSW/QLD border alignment
- Project footprint
- Impact assessment area

Predicted Habitat

- Potential habitat



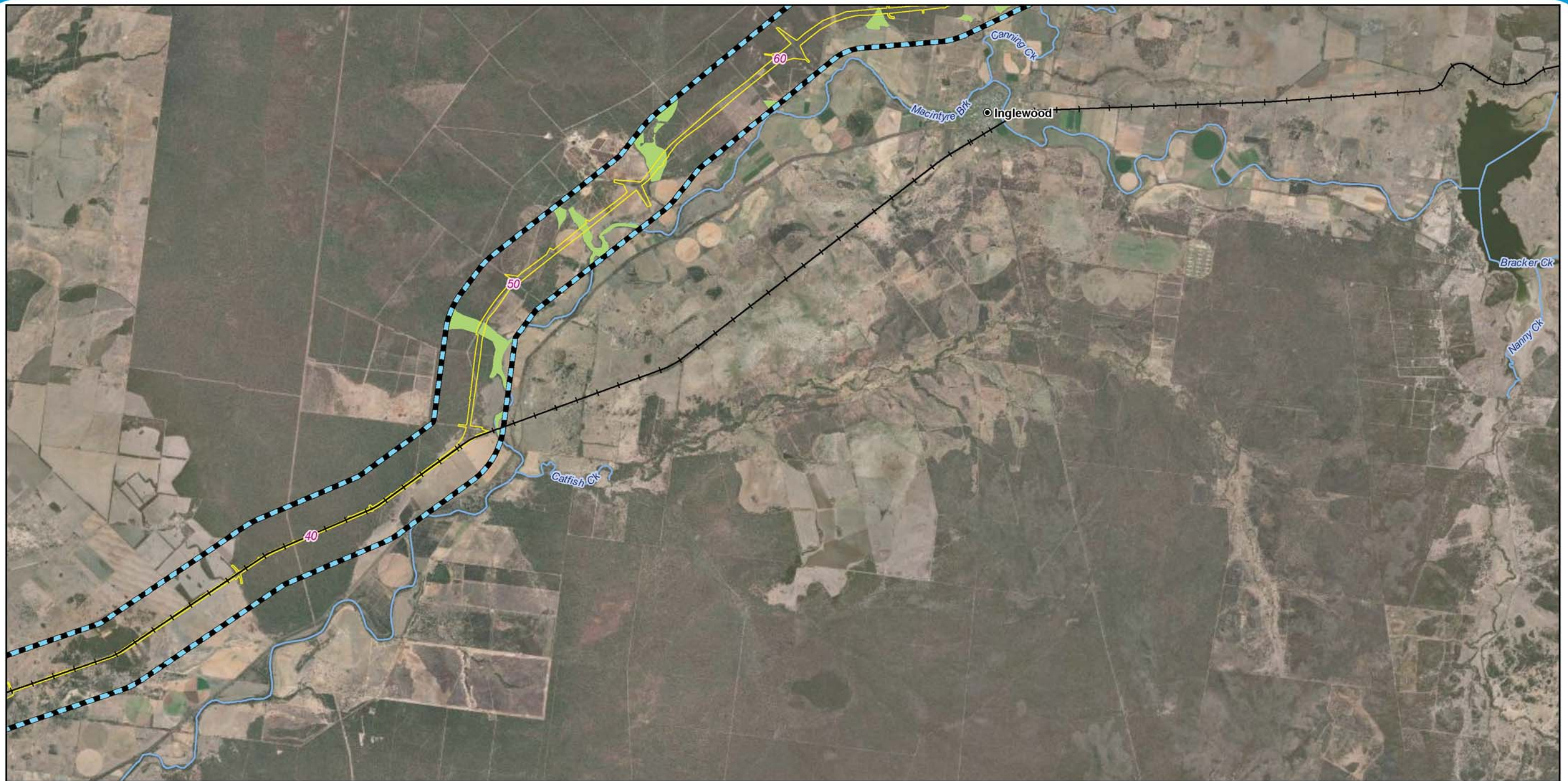
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0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Grantiella picta* (Painted honeyeater)



Legend

- Localities
 - 5 Chainage (km)
 - Existing rail (operational)
 - Watercourses
 - NSW/QLD border
 - Project footprint
 - ▨ Impact assessment area
- Predicted Habitat**
- Potential habitat



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Grantiella picta* (Painted honeyeater)



Legend

- Localities
 - 5 Chainage (km)
 - Existing rail (operational)
 - Watercourses
 - NSW/QLD border
 - Project footprint
 - ▨ Impact assessment area
- Predicted Habitat**
- Potential habitat



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Grantiella picta* (Painted honeyeater)



Legend

- Localities
- 5 Chainage (km)
- Watercourses
- NSW/QLD border
- Project footprint
- ▨ Impact assessment area

Predicted Habitat

- Potential habitat



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Grantiella picta* (Painted honeyeater)



Legend

- 5 Chainage (km)
 - +-- Existing rail (non-operational)
 - Watercourses
 - Project footprint
 - ▨ Impact assessment area
- Predicted Habitat**
- Potential habitat



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Grantiella picta* (Painted honeyeater)



Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- - - Existing rail (non-operational)
- Watercourses
- Project footprint
- Impact assessment area

Predicted Habitat

- Potential habitat



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

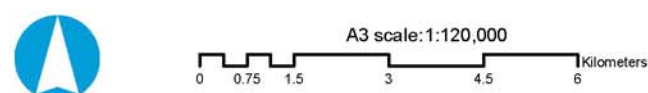
ARTC Inland Rail Study: Border to Gowrie

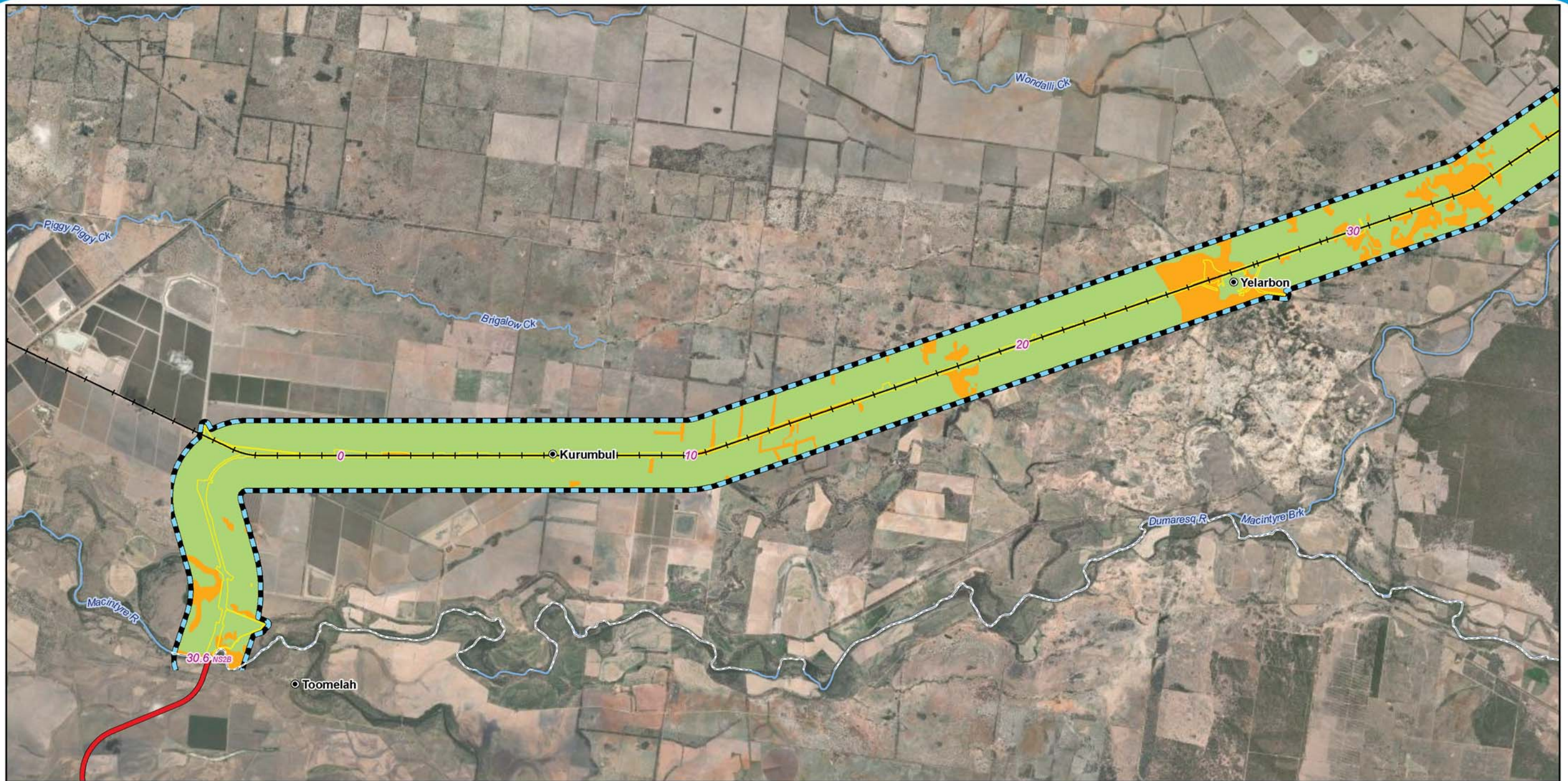
Predicted Habitat: *Grantiella picta* (Painted honeyeater)



Legend

- Localities
 - 5 Chainage (km)
 - Existing rail (operational)
 - - - Existing rail (non-operational)
 - Watercourses
 - Project footprint
 - ▨ Impact assessment area
- Predicted Habitat**
- Potential habitat





Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- Watercourses
- NSW/QLD border
- North Star to NSW/QLD border alignment
- Project footprint
- Impact assessment area

Predicted Habitat

- Important habitat
- Potential habitat



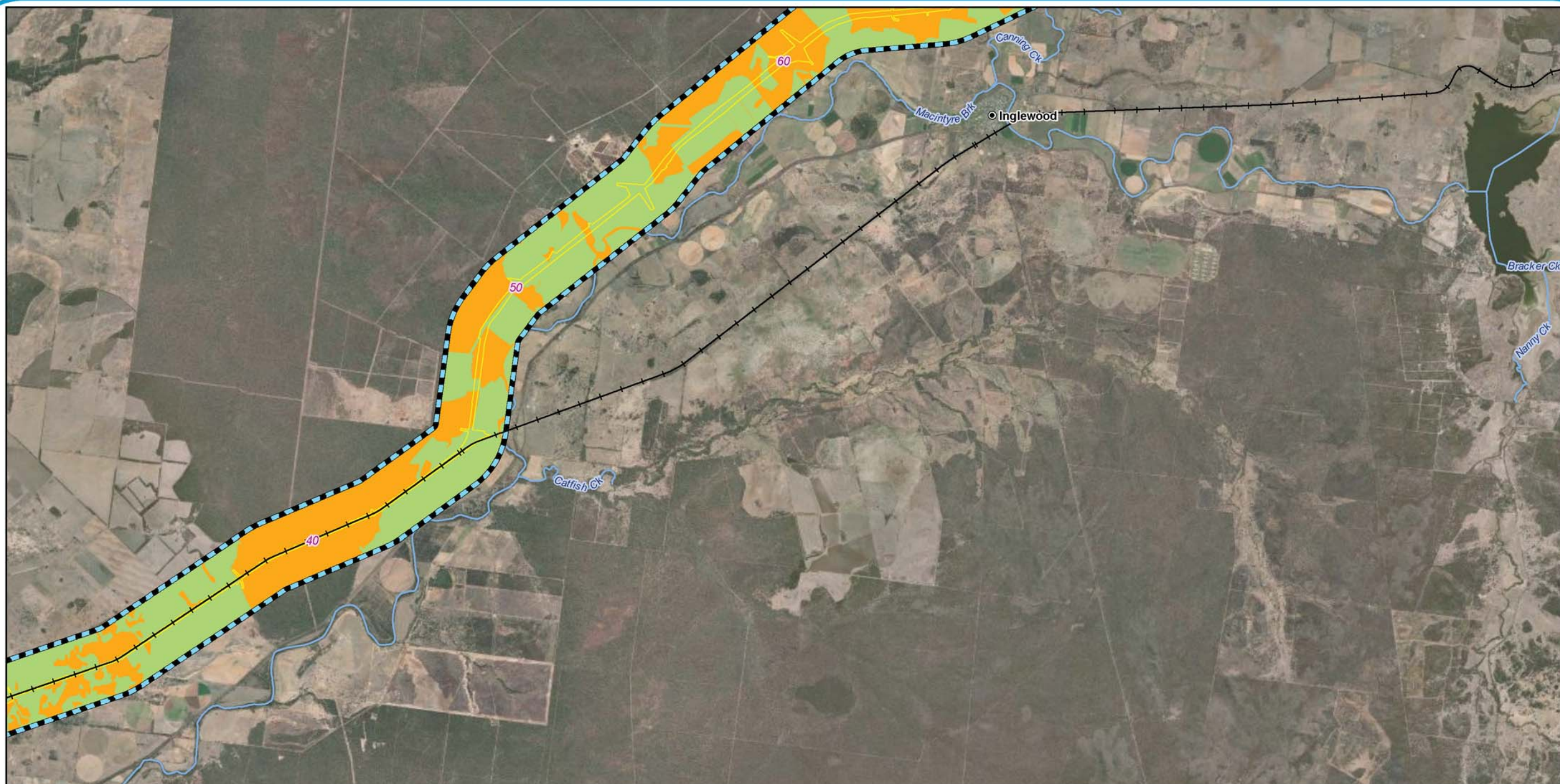
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Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Hirundapus caudacutus* (White-throated needletail)



Legend

- Localities
 - 5 Chainage (km)
 - Existing rail (operational)
 - Watercourses
 - NSW/QLD border
 - Project footprint
 - ▨ Impact assessment area
- Predicted Habitat**
- Important habitat
 - Potential habitat



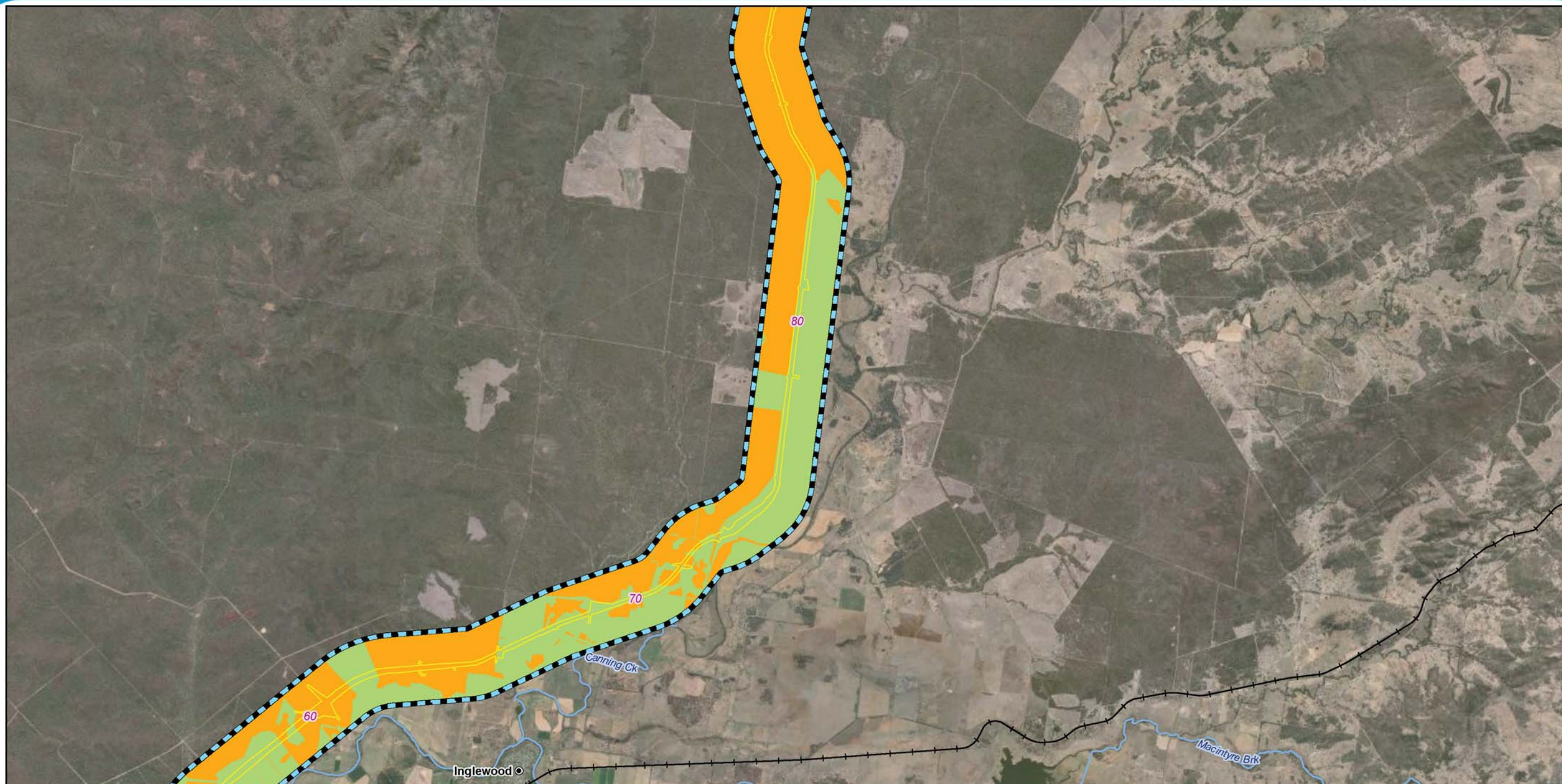
A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Hirundapus caudacutus* (White-throated needletail)



Legend

- Localities
 - 5 Chainage (km)
 - Existing rail (operational)
 - Watercourses
 - NSW/QLD border
 - Project footprint
 - ▨ Impact assessment area
- Predicted Habitat**
- Important habitat
 - Potential habitat



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Hirundapus caudacutus* (White-throated needletail)



Legend

- Localities
- 5 Chainage (km)
- Watercourses
- NSW/QLD border
- Project footprint
- ▤ Impact assessment area

Predicted Habitat

- Important habitat
- Potential habitat



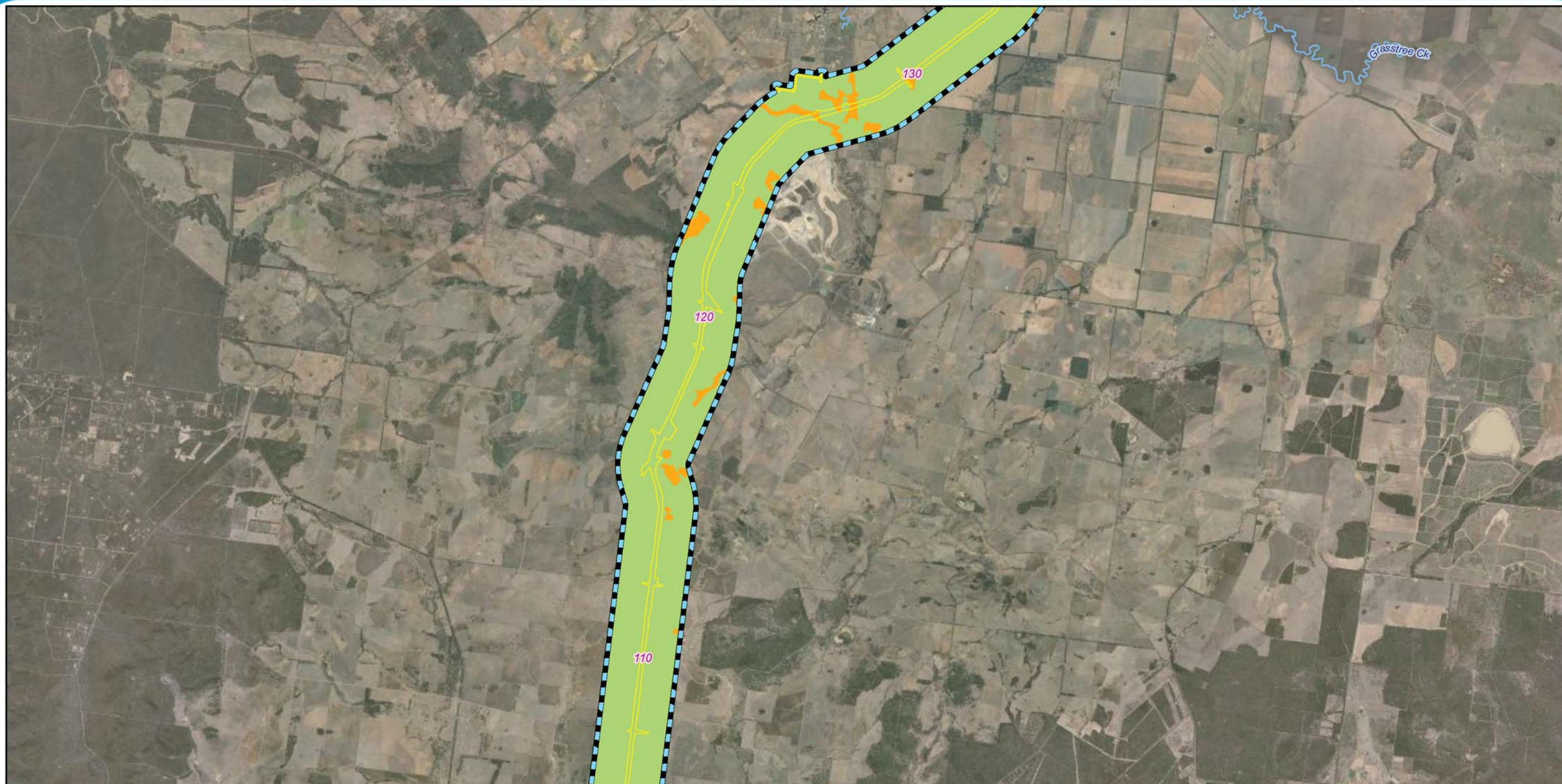
A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Hirundapus caudacutus* (White-throated needletail)



Legend

- | | |
|---------------------------------------|--------------------------|
| 5 Chainage (km) | Predicted Habitat |
| --+-- Existing rail (non-operational) | Orange Important habitat |
| Blue Watercourses | Green Potential habitat |
| Yellow Project footprint | |
| Black dashed Impact assessment area | |



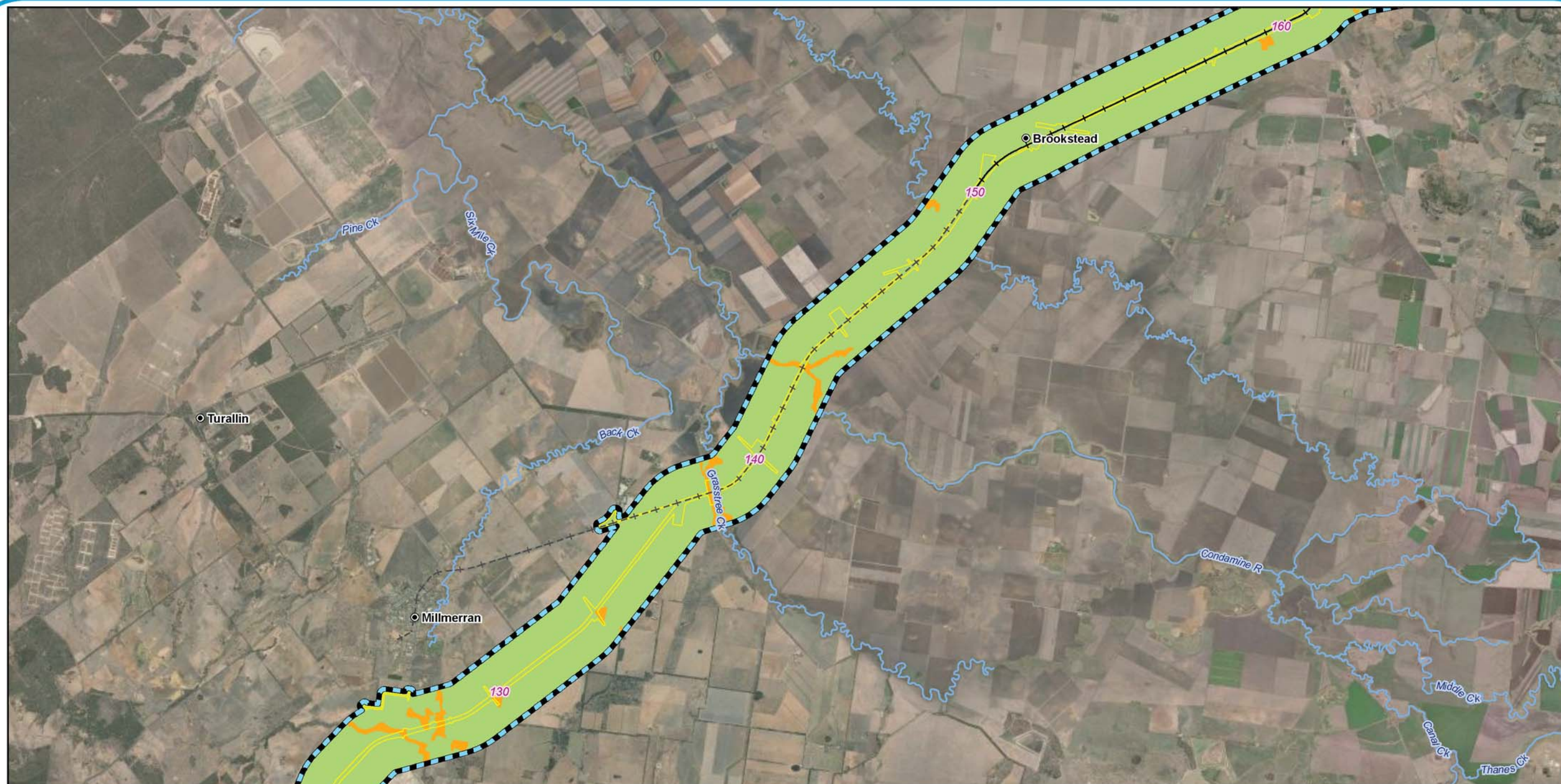
A3 scale: 1:120,000
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Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

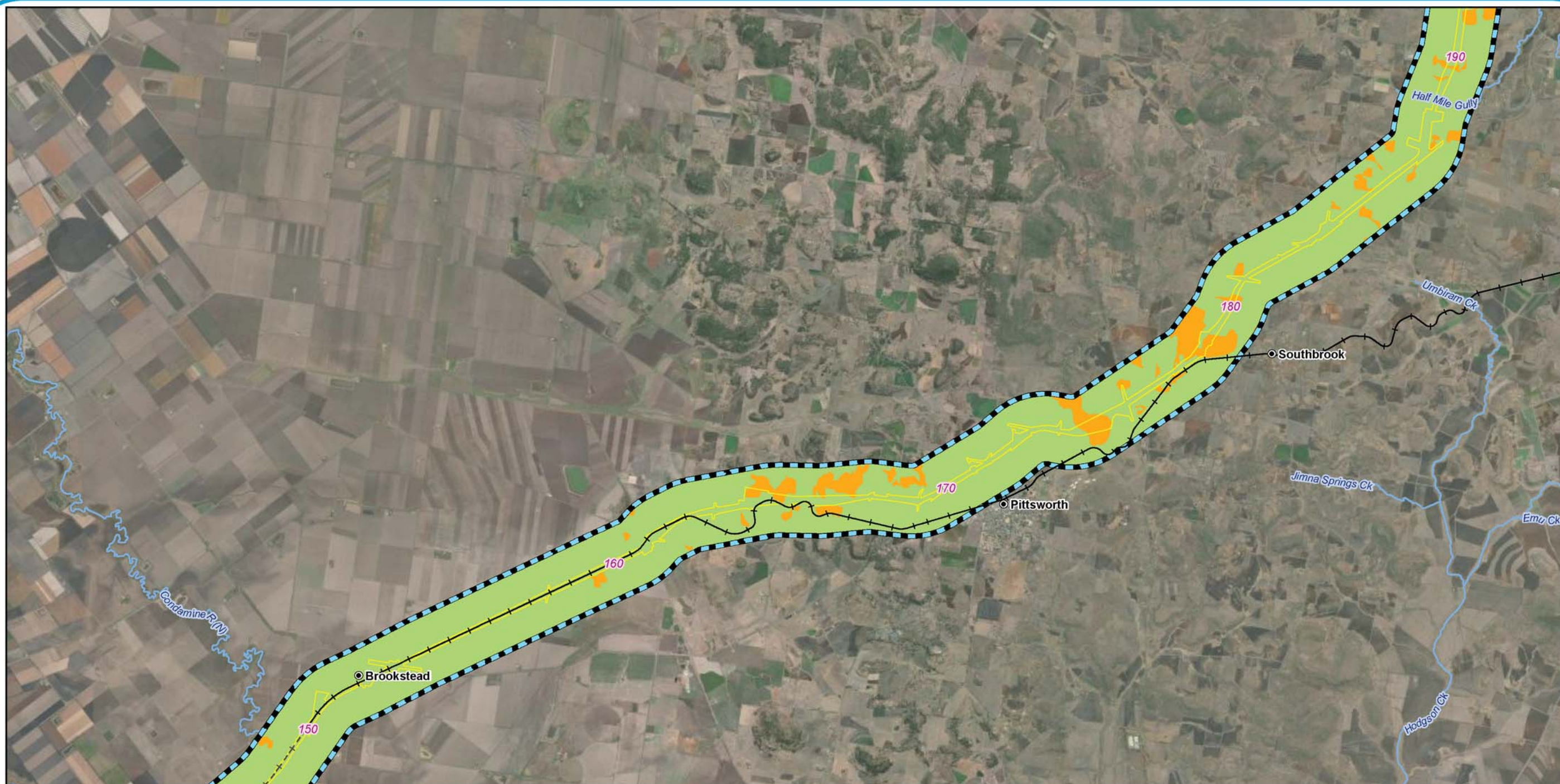
Predicted Habitat: *Hirundapus caudacutus* (White-throated needletail)



Legend

- Localities
 - 5 Chainage (km)
 - Existing rail (operational)
 - - - Existing rail (non-operational)
 - Watercourses
 - Project footprint
 - ▨ Impact assessment area
- Predicted Habitat**
- Important habitat
 - Potential habitat





Legend

- Localities
 - 5 Chainage (km)
 - Existing rail (operational)
 - - - Existing rail (non-operational)
 - Watercourses
 - Project footprint
 - ▬ Impact assessment area
- Predicted Habitat**
- Important habitat
 - Potential habitat



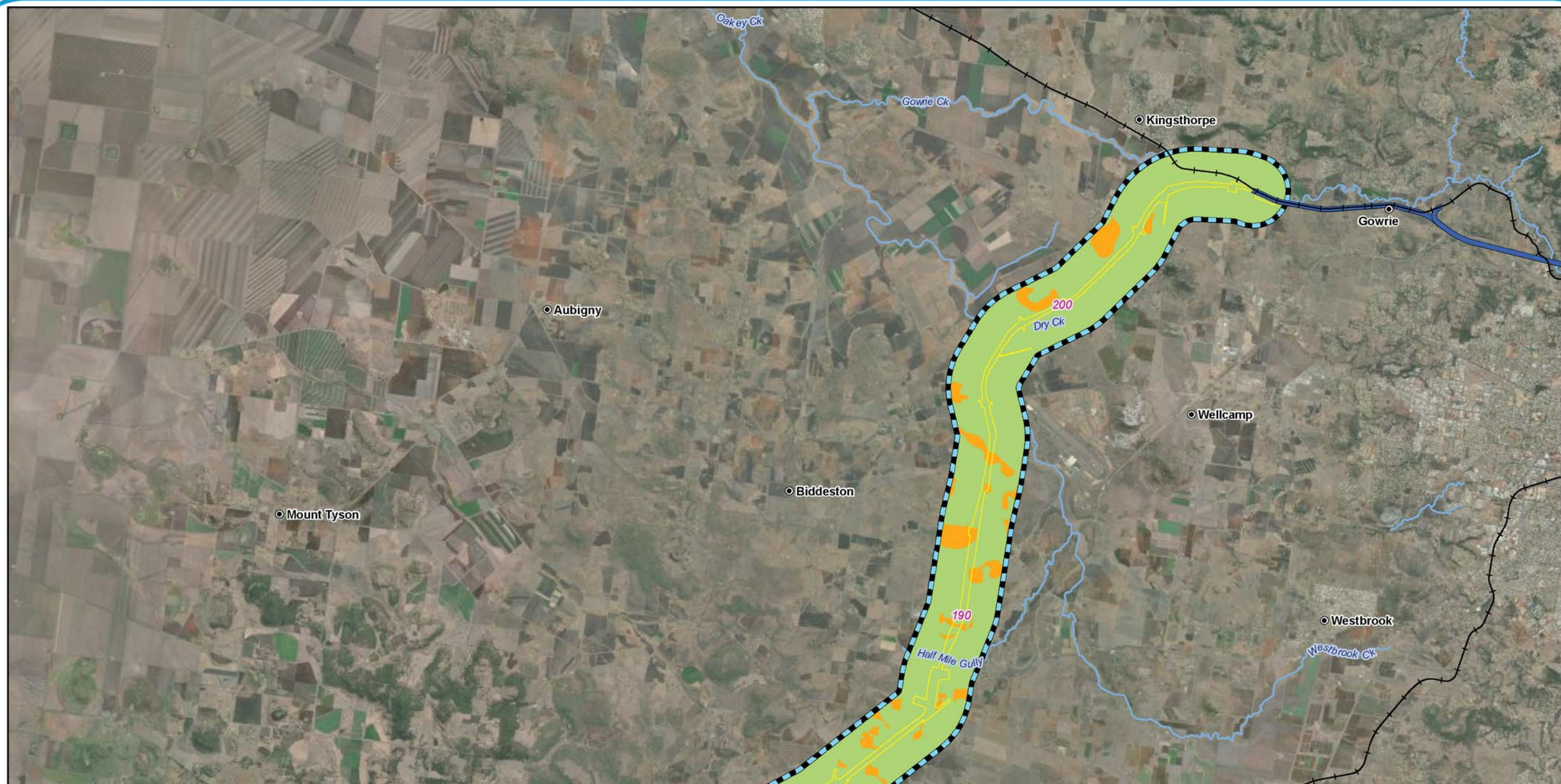
A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

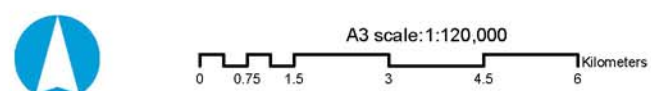
ARTC Inland Rail Study: Border to Gowrie

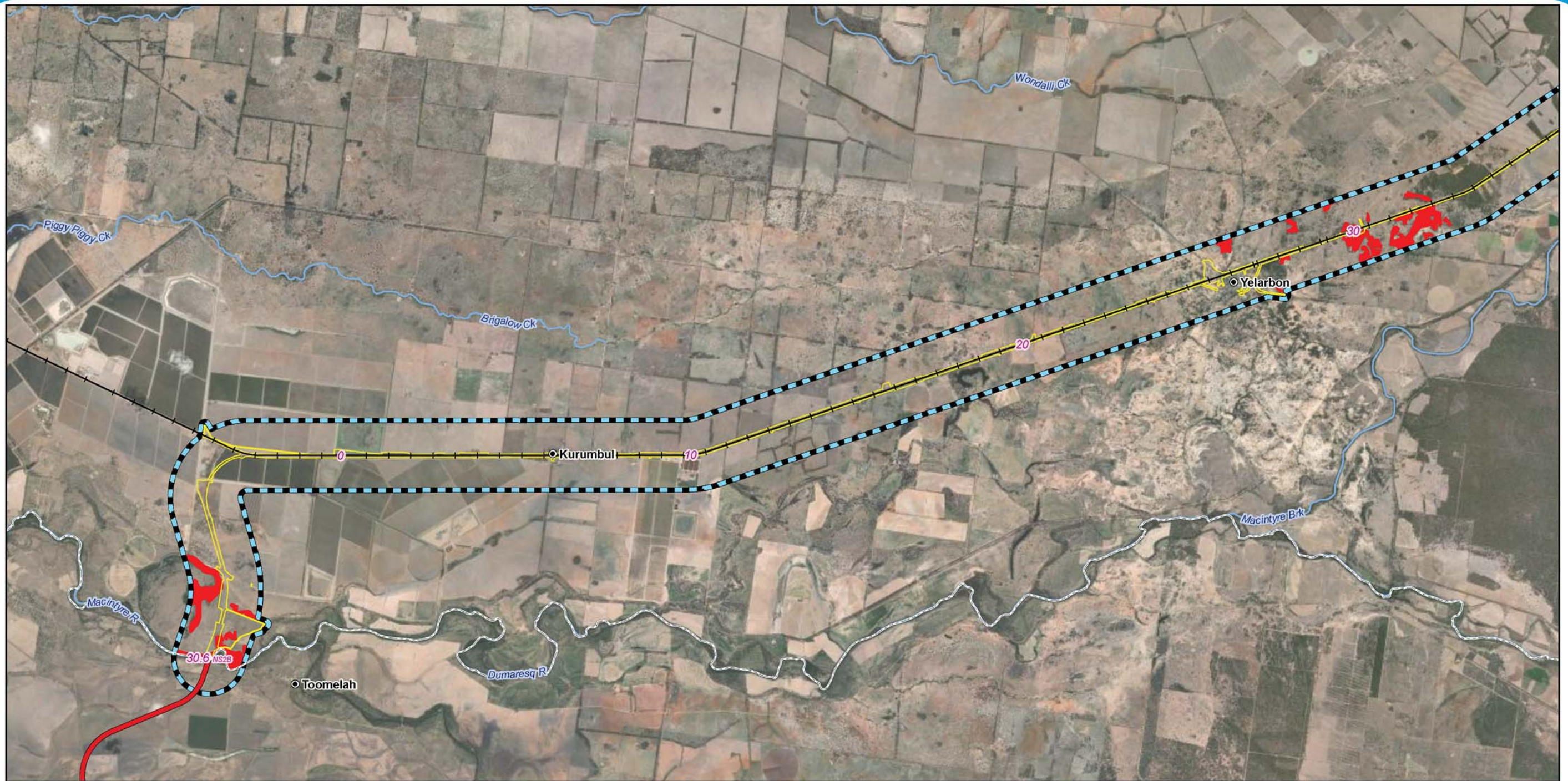
Predicted Habitat: *Hirundapus caudacutus* (White-throated needletail)



Legend

- Localities
 - 5 Chainage (km)
 - Existing rail (operational)
 - Watercourses
 - Gowrie to Helidon alignment
 - Project footprint
 - Impact assessment area
- Predicted Habitat**
- Orange: Important habitat
 - Green: Potential habitat





Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- Watercourses
- NSW/QLD border
- North Star to NSW/QLD border alignment
- Project footprint
- ▤ Impact assessment area
- Predicted Habitat**
- Habitat critical to the survival of the species



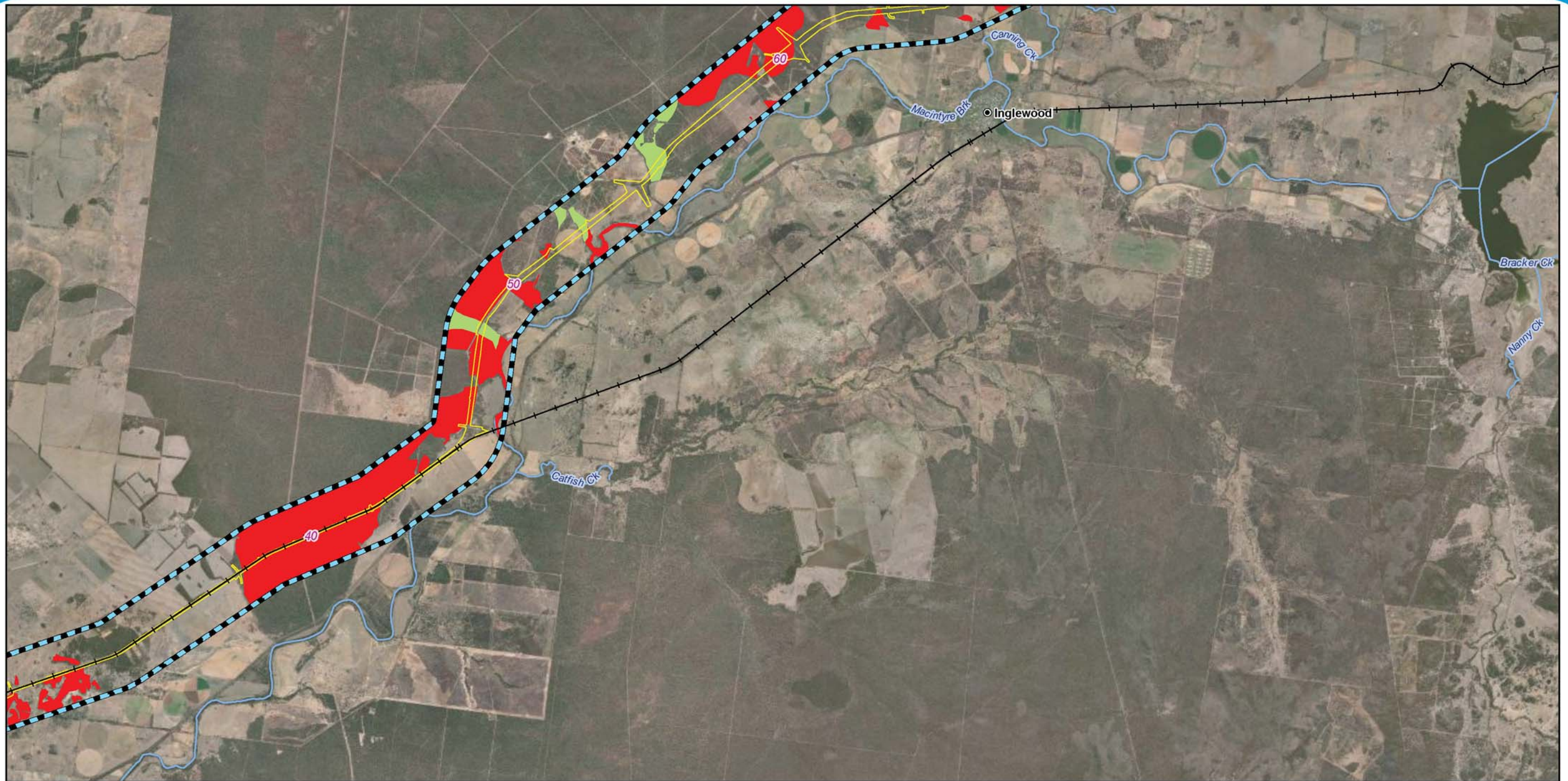
A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 17/09/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Lathamus discolor* (Swift parrot)



Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- Watercourses
- Project footprint
- ▨ Impact assessment area
- Predicted Habitat**
 - Habitat critical to the survival of the species
 - Potential habitat



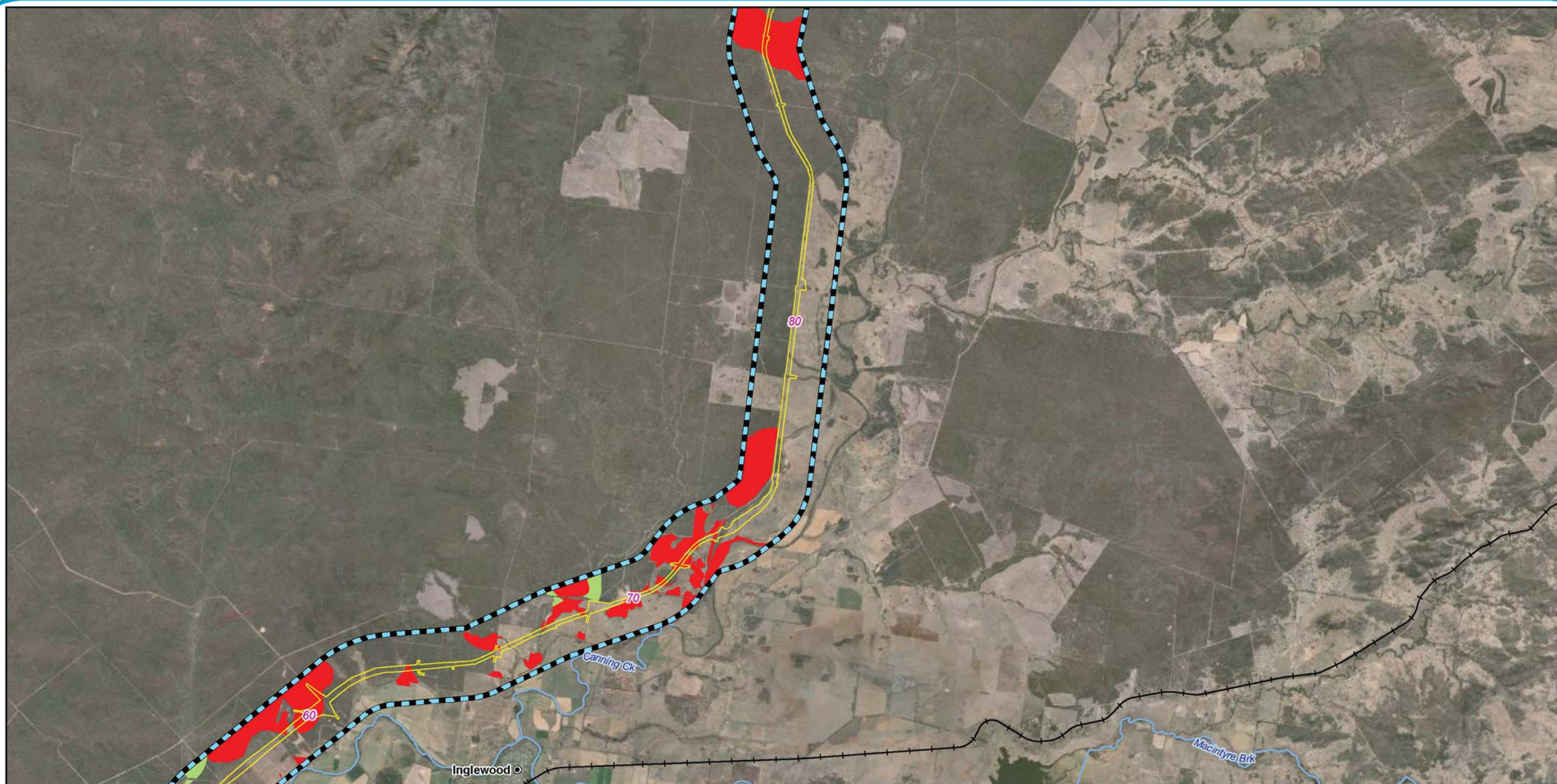
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Issue date: 17/09/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Lathamus discolor* (Swift parrot)



Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- Watercourses
- Project footprint
- ▨ Impact assessment area
- Predicted Habitat**
 - Habitat critical to the survival of the species
 - Potential habitat



A3 scale: 1:120,000
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Issue date: 17/09/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Lathamus discolor* (Swift parrot)



Legend

- Localities
- 5 Chainage (km)
- Watercourses
- Project footprint
- Impact assessment area
- Predicted Habitat**
 - Habitat critical to the survival of the species



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 17/09/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Lathamus discolor* (Swift parrot)



Legend

- 5 Chainage (km)
- +-- Existing rail (non-operational)
- Watercourses
- Project footprint
- Impact assessment area
- Predicted Habitat**
- Habitat critical to the survival of the species



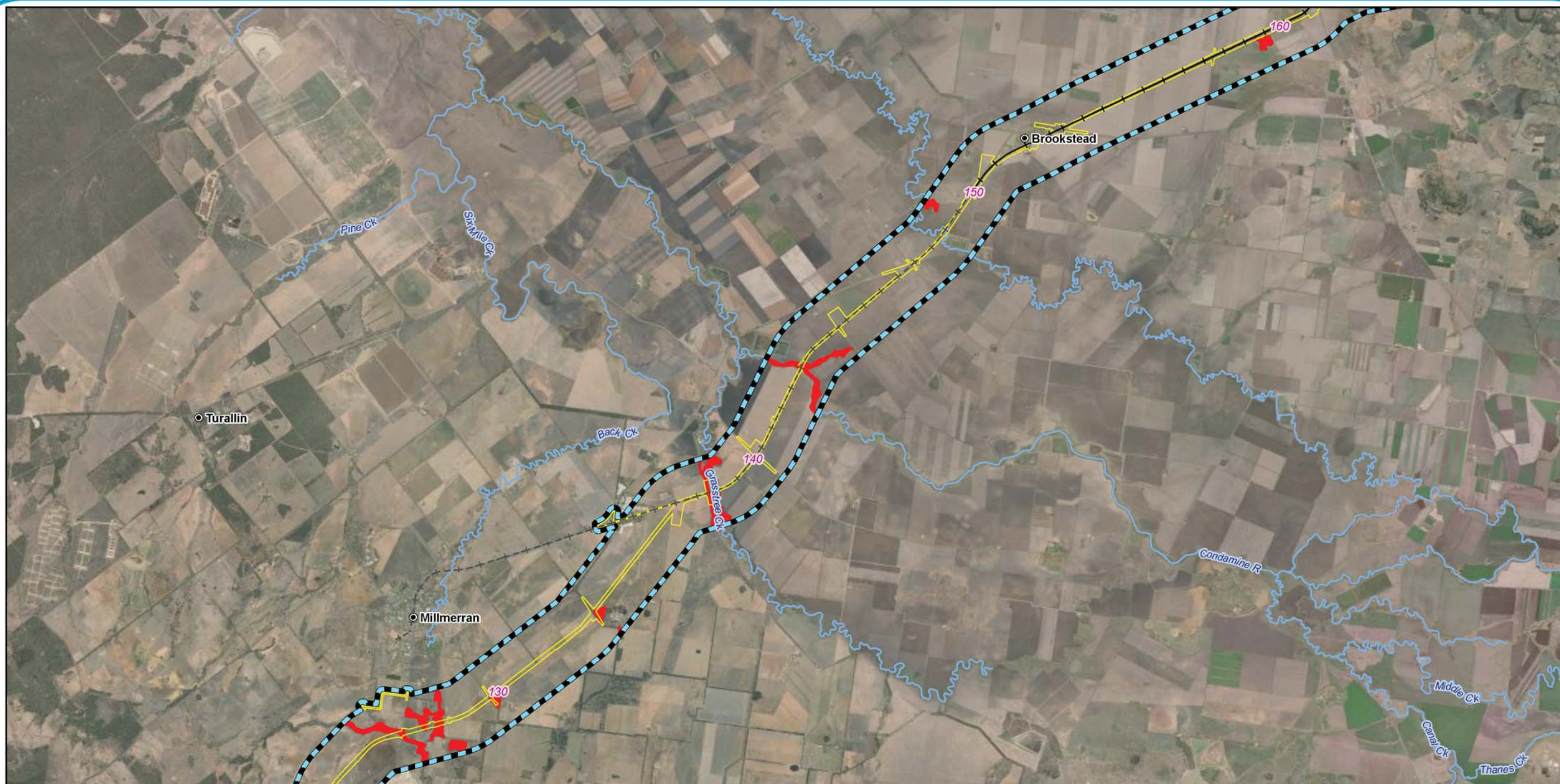
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Issue date: 17/09/2020 Version: 4
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ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Lathamus discolor* (Swift parrot)



Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- - - Existing rail (non-operational)
- Watercourses
- Project footprint
- Impact assessment area
- Predicted Habitat**
- Habitat critical to the survival of the species



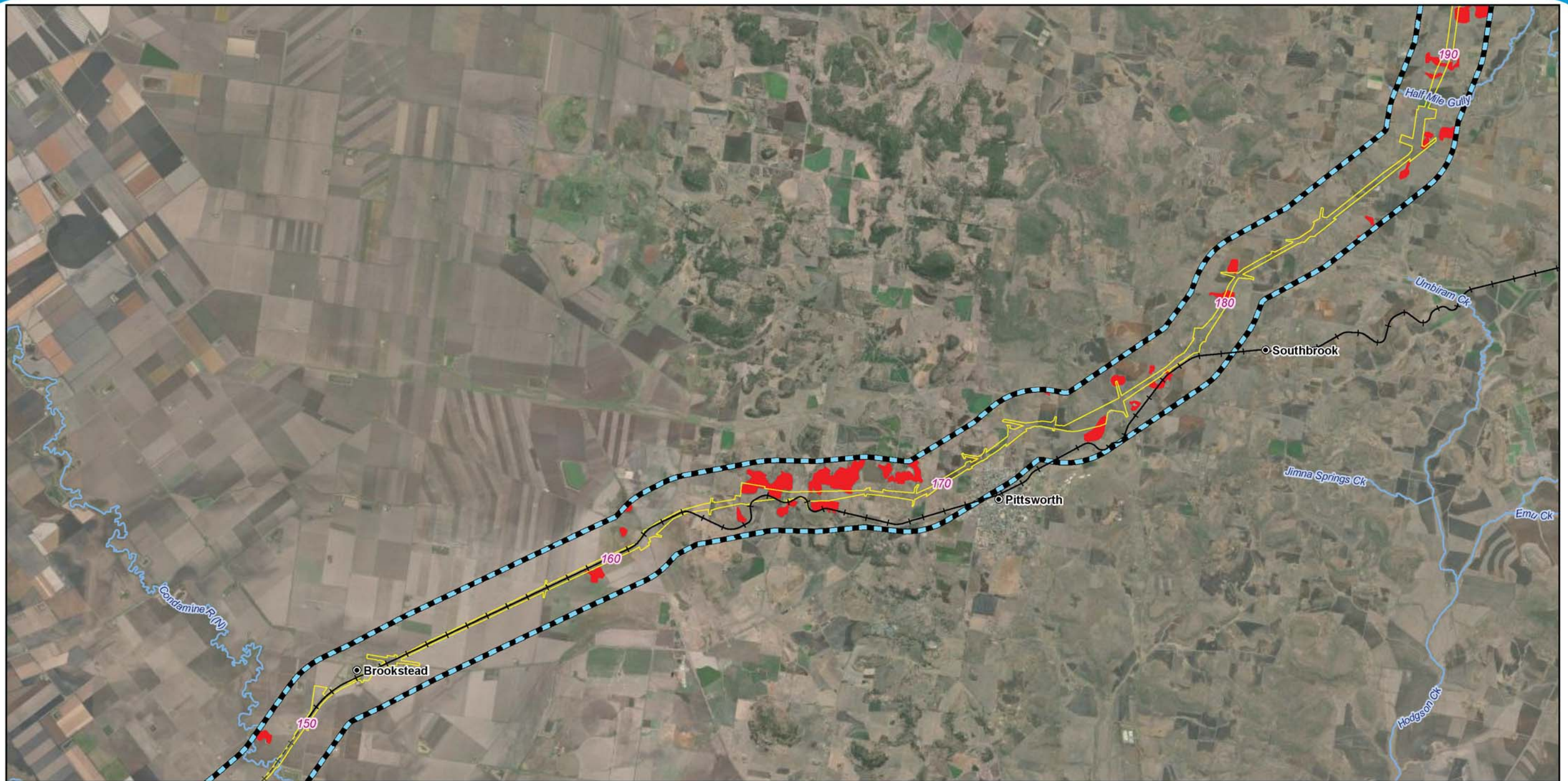
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Issue date: 17/09/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Lathamus discolor* (Swift parrot)



Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- - - Existing rail (non-operational)
- Watercourses
- Project footprint
- ▨ Impact assessment area
- Predicted Habitat**
- Habitat critical to the survival of the species



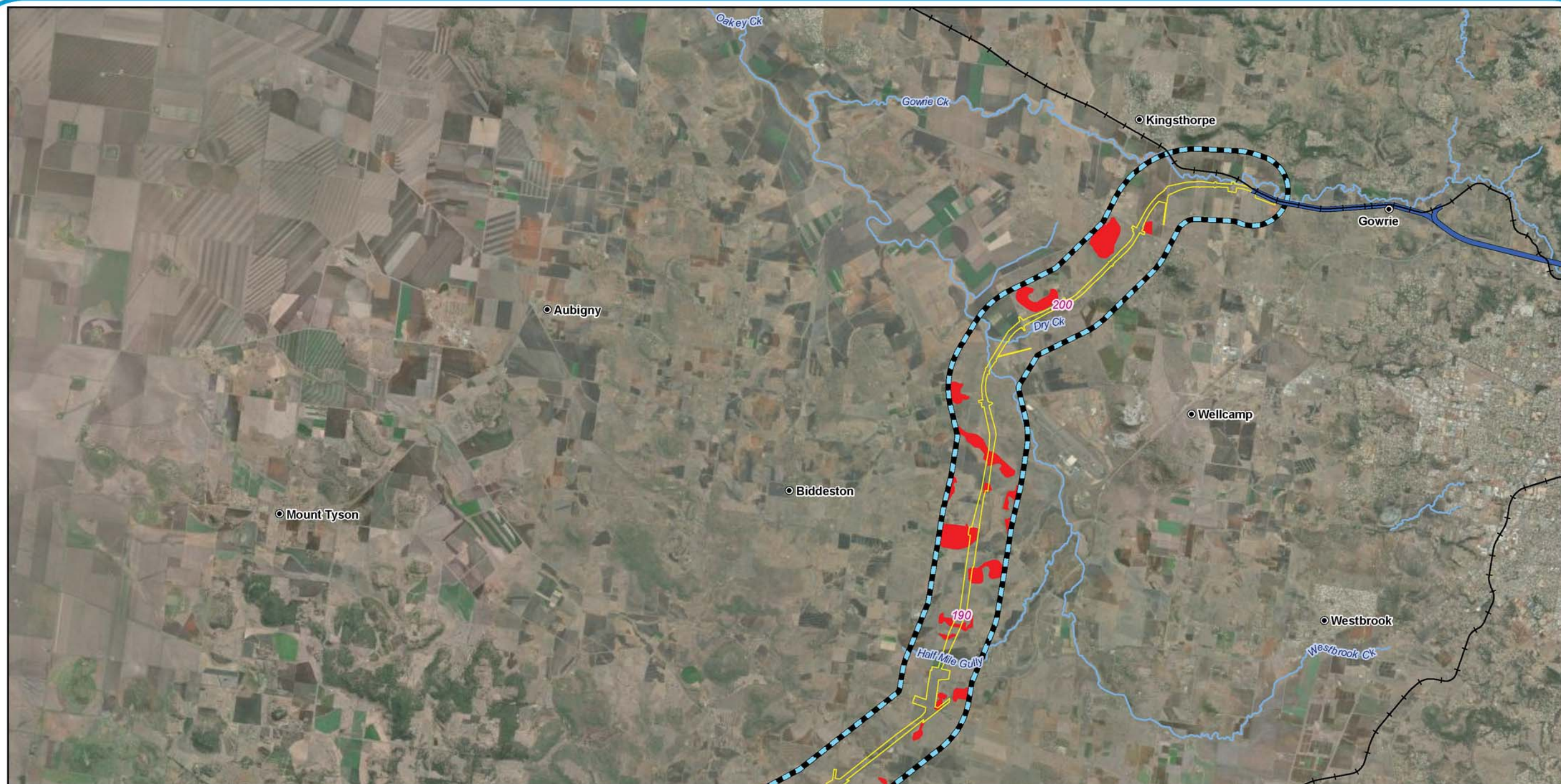
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Issue date: 17/09/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Lathamus discolor* (Swift parrot)



Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- Watercourses
- Gowrie to Helidon alignment
- Project footprint
- ▬ Impact assessment area
- Predicted Habitat**
- Habitat critical to the survival of the species



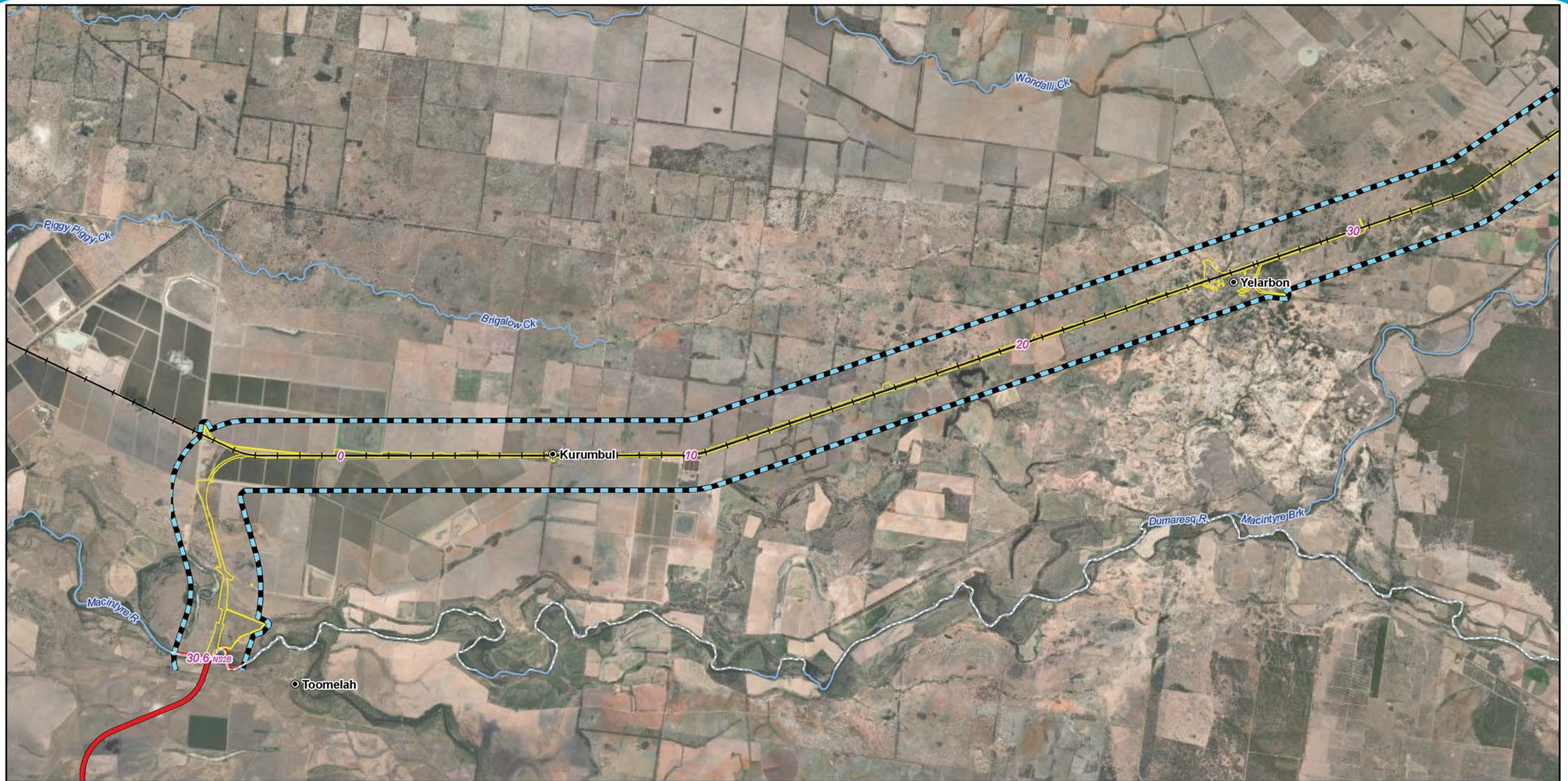
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Issue date: 17/09/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Lathamus discolor* (Swift parrot)

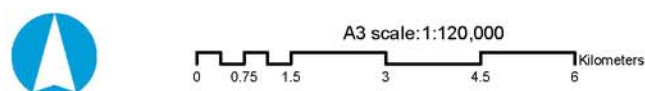


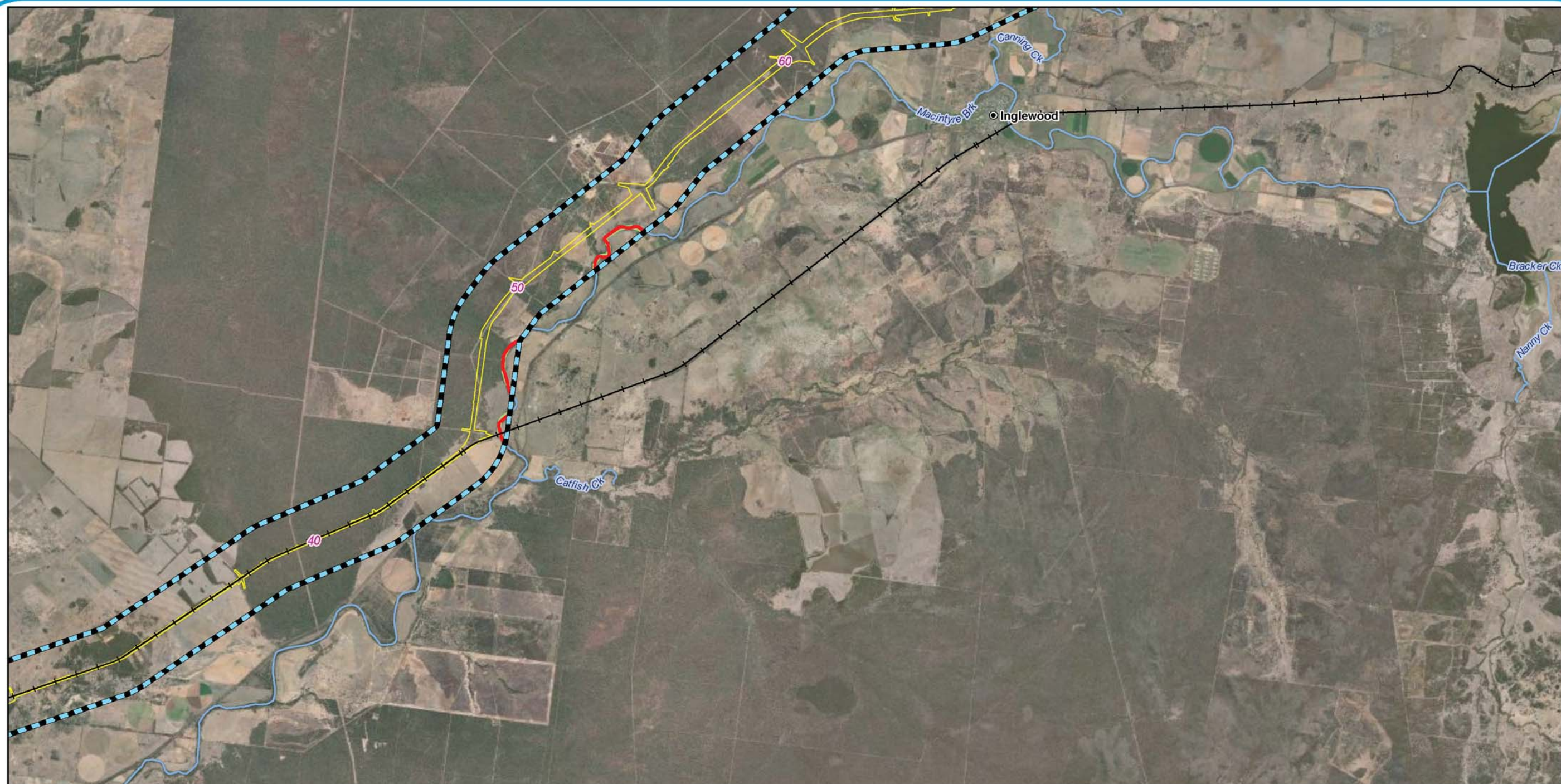
Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- Watercourses
- NSW/QLD border
- North Star to NSW/QLD border alignment
- Project footprint
- Impact assessment area

Predicted Habitat

- Habitat critical to the survival of the species
- Potential habitat





Legend

- Localities
 - 5 Chainage (km)
 - Existing rail (operational)
 - Watercourses
 - NSW/QLD border
 - Project footprint
 - Impact assessment area
- Predicted Habitat**
- Habitat critical to the survival of the species
 - Potential habitat



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Maccullochella peelii* (Murray cod)



Legend

- Localities
 - 5 Chainage (km)
 - Existing rail (operational)
 - Watercourses
 - NSW/QLD border
 - Project footprint
 - ▨ Impact assessment area
- Predicted Habitat**
- Habitat critical to the survival of the species
 - Potential habitat



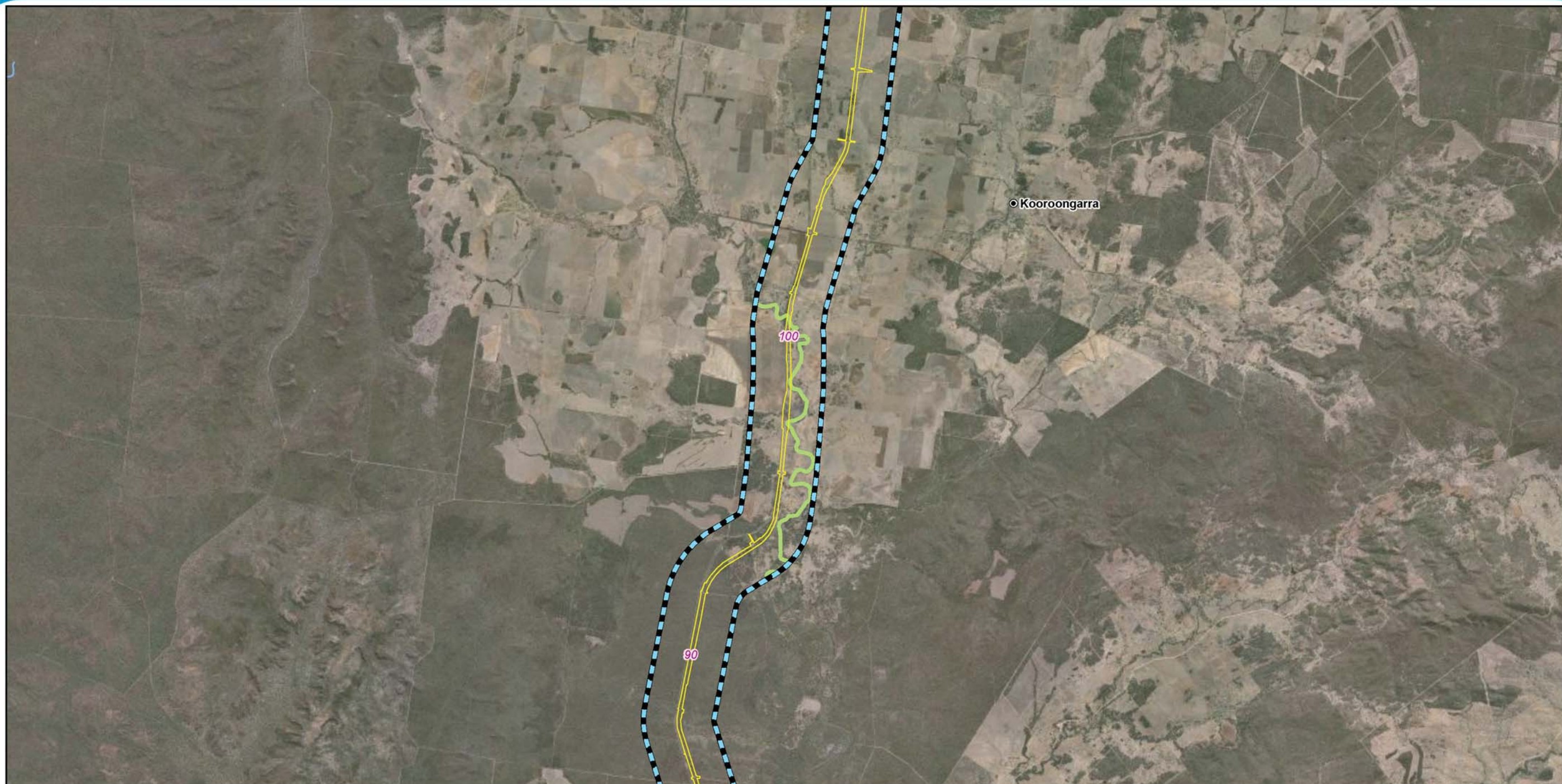
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Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Maccullochella peelii* (Murray cod)



Legend

- Localities
- 5 Chainage (km)
- Watercourses
- NSW/QLD border
- Project footprint
- ▨ Impact assessment area

Predicted Habitat

- Habitat critical to the survival of the species
- Potential habitat



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Maccullochella peelii* (Murray cod)



Legend

- 5 Chainage (km)
 - Existing rail (non-operational)
 - Watercourses
 - Project footprint
 - Impact assessment area
- Predicted Habitat**
- Habitat critical to the survival of the species
 - Potential habitat



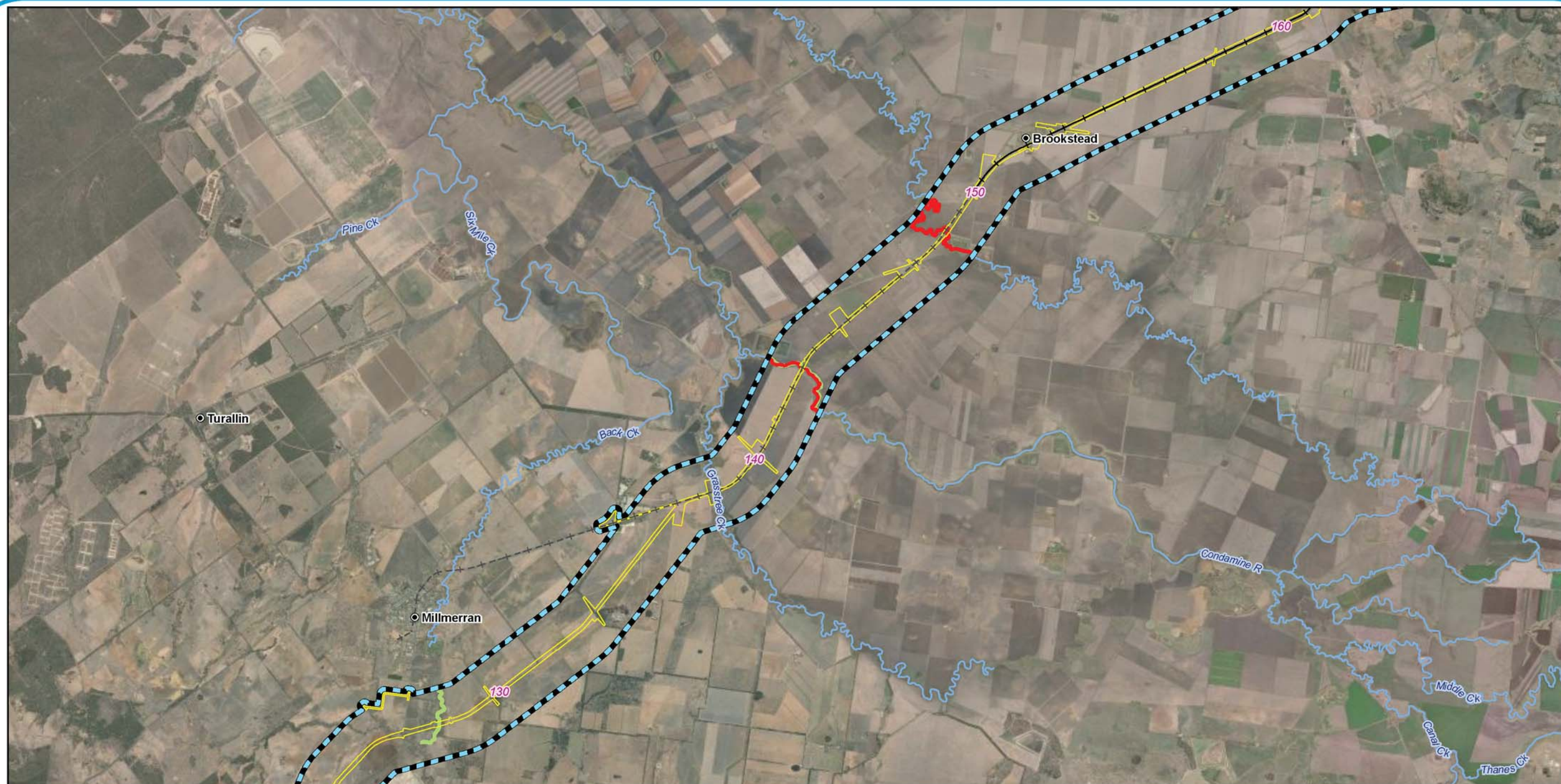
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Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Maccullochella peelii* (Murray cod)

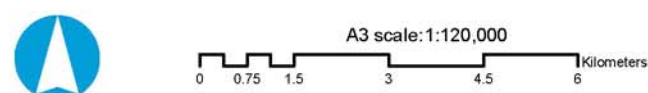


Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- - - Existing rail (non-operational)
- Watercourses
- Project footprint
- ▨ Impact assessment area

Predicted Habitat

- Habitat critical to the survival of the species
- Potential habitat



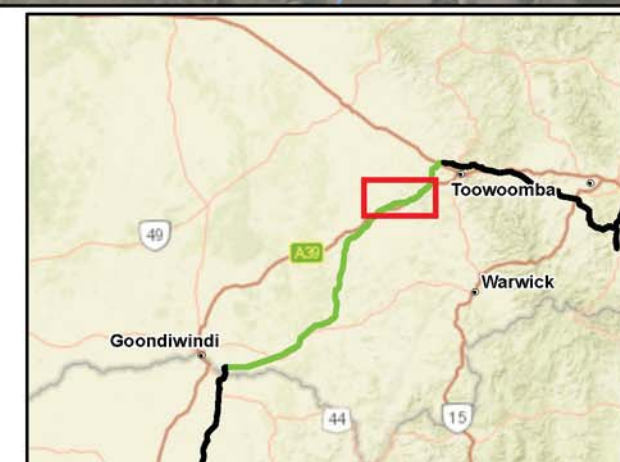


Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- - - Existing rail (non-operational)
- Watercourses
- Project footprint
- Impact assessment area

Predicted Habitat

- Habitat critical to the survival of the species



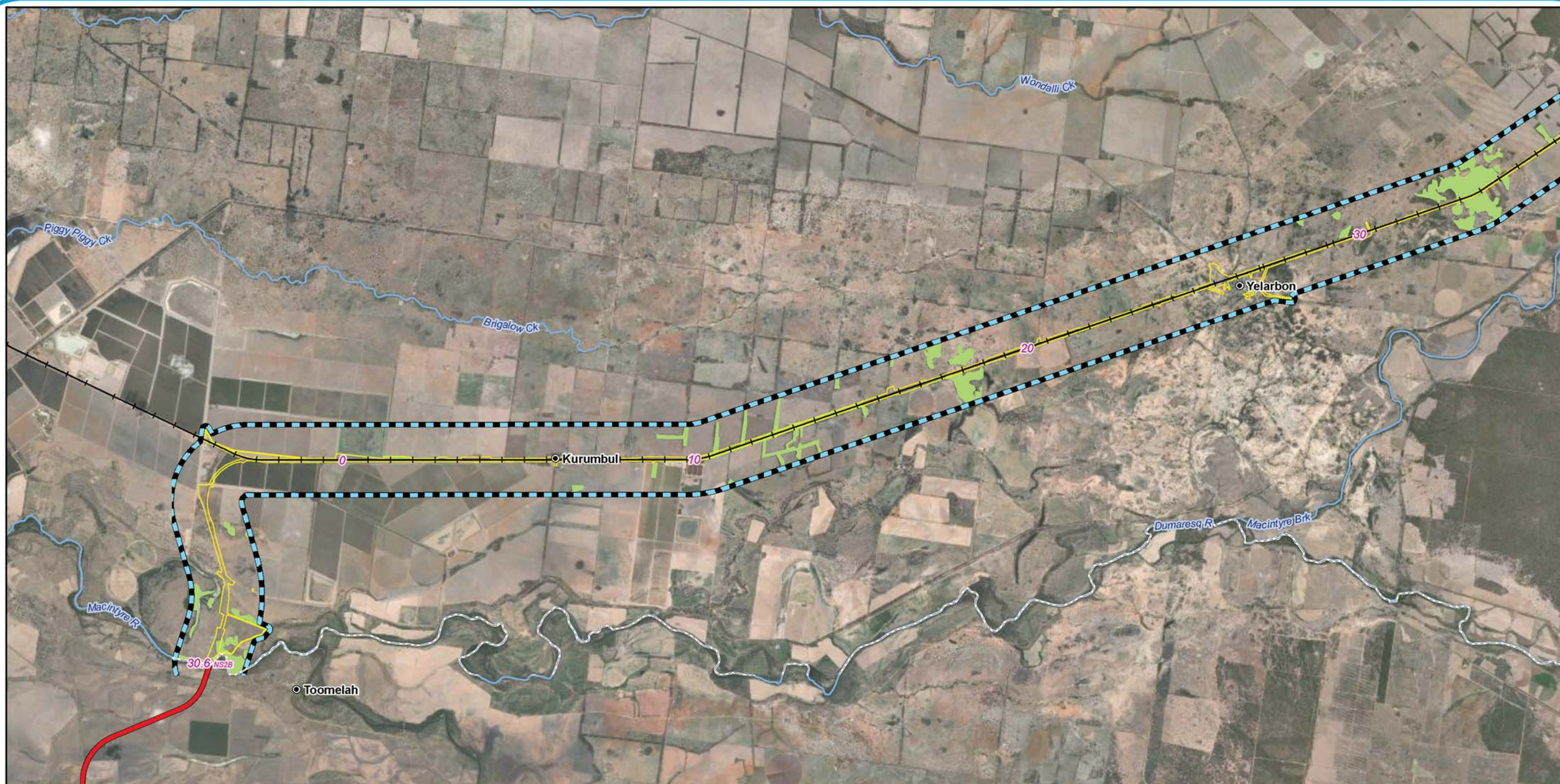
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Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Maccullochella peelii* (Murray cod)

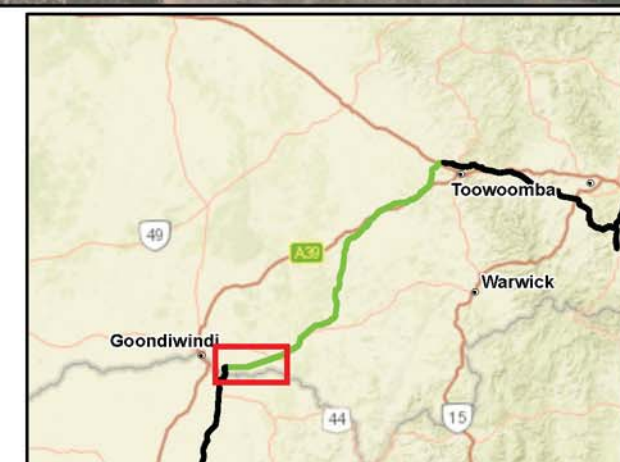


Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- Watercourses
- NSW/QLD border
- North Star to NSW/QLD border alignment
- Project footprint
- Impact assessment area

Predicted Habitat

- Potential habitat



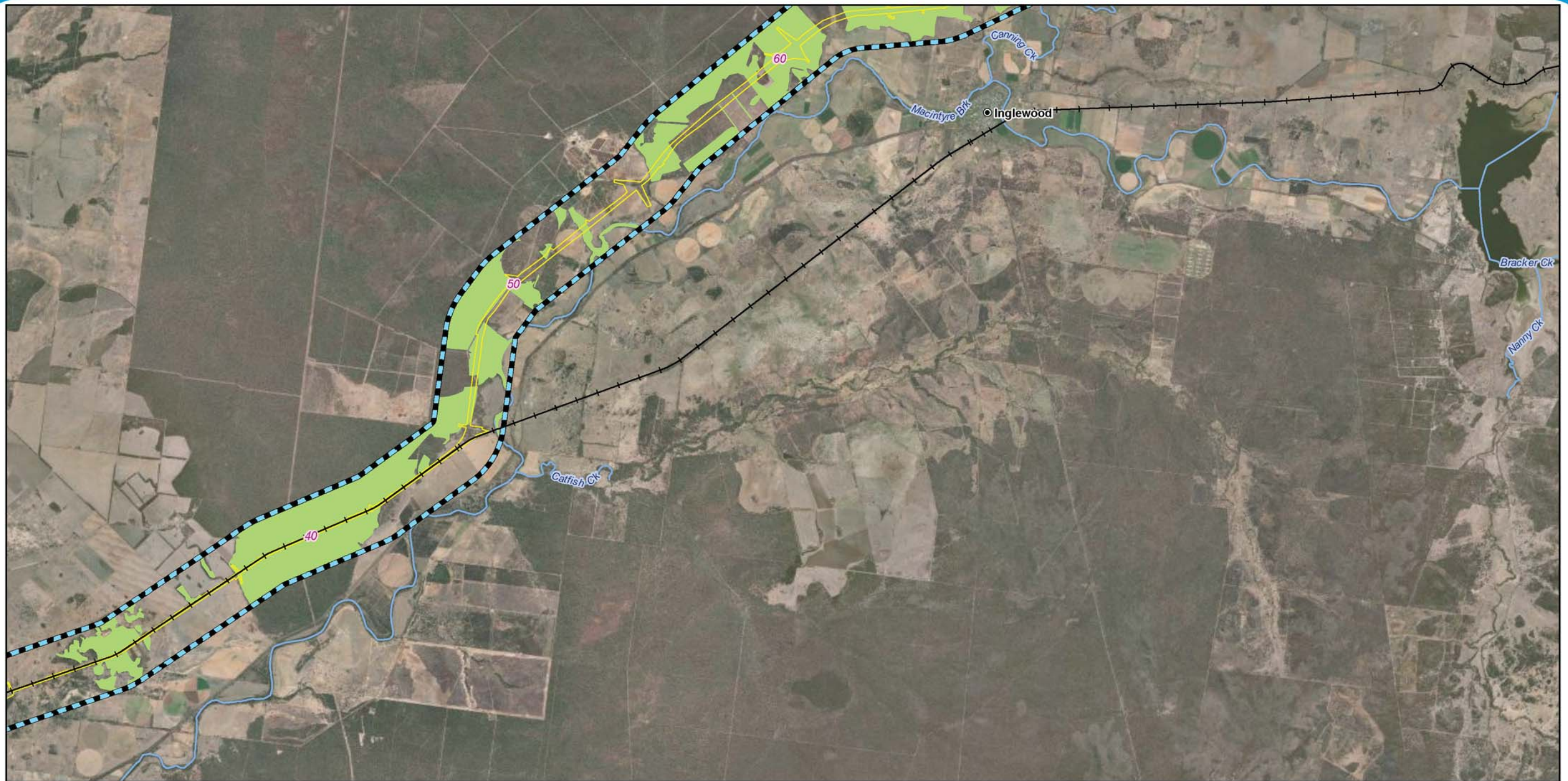
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Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Nyctophilus corbeni* (South-eastern long-eared bat)



Legend

- Localities
 - 5 Chainage (km)
 - Existing rail (operational)
 - Watercourses
 - NSW/QLD border
 - Project footprint
 - ▨ Impact assessment area
- Predicted Habitat**
- Potential habitat



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Nyctophilus corbeni* (South-eastern long-eared bat)



Legend

- Localities
 - 5 Chainage (km)
 - Existing rail (operational)
 - Watercourses
 - NSW/QLD border
 - Project footprint
 - ▨ Impact assessment area
- Predicted Habitat**
- Potential habitat





Legend

- Localities
 - 5 Chainage (km)
 - Watercourses
 - NSW/QLD border
 - Project footprint
 - ▨ Impact assessment area
- Predicted Habitat**
- Potential habitat



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Nyctophilus corbeni* (South-eastern long-eared bat)



Legend

- 5 Chainage (km)
 - +-- Existing rail (non-operational)
 - Watercourses
 - Project footprint
 - ▨ Impact assessment area
- Predicted Habitat**
- Potential habitat



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Nyctophilus corbeni* (South-eastern long-eared bat)



Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- - - Existing rail (non-operational)
- Watercourses
- Project footprint
- Impact assessment area

Predicted Habitat

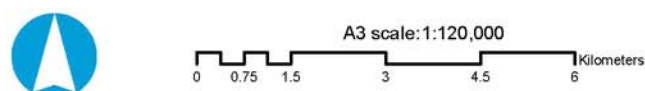
- Potential habitat





Legend

- Localities
 - 5 Chainage (km)
 - Existing rail (operational)
 - - - Existing rail (non-operational)
 - Watercourses
 - Project footprint
 - Impact assessment area
- Predicted Habitat**
- Potential habitat





Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- Watercourses
- Gowrie to Helidon alignment
- Project footprint
- Impact assessment area

Predicted Habitat

- Potential habitat



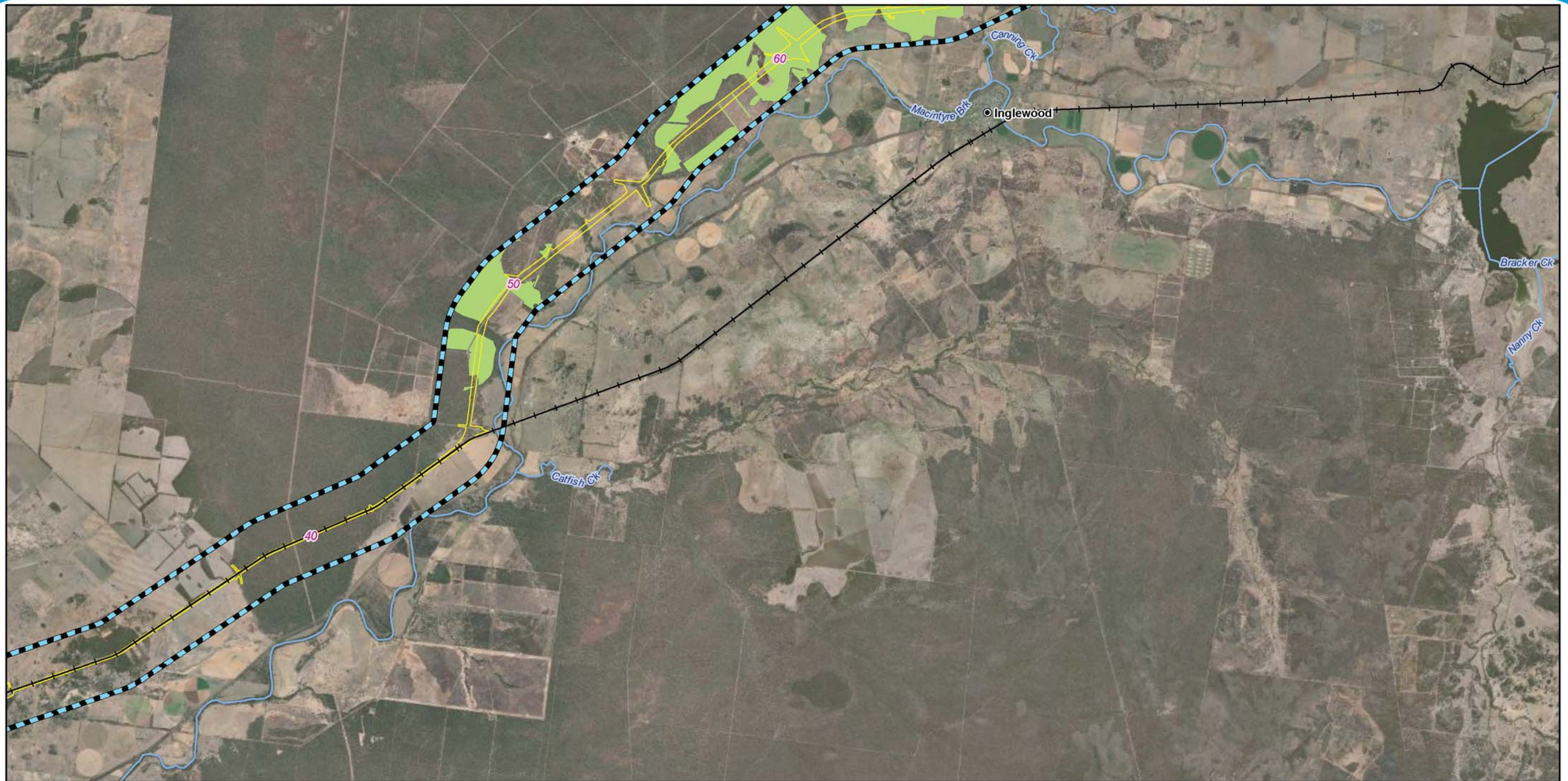
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Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Nyctophilus corbeni* (South-eastern long-eared bat)



Legend

- Localities
 - 5 Chainage (km)
 - Existing rail (operational)
 - Watercourses
 - NSW/QLD border
 - Project footprint
 - ▨ Impact assessment area
- Predicted Habitat**
- Potential habitat



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Petauroides volans volans* (Southern greater glider)



Legend

- Localities
 - 5 Chainage (km)
 - Existing rail (operational)
 - Watercourses
 - NSW/QLD border
 - Project footprint
 - ▨ Impact assessment area
- Predicted Habitat**
- Potential habitat



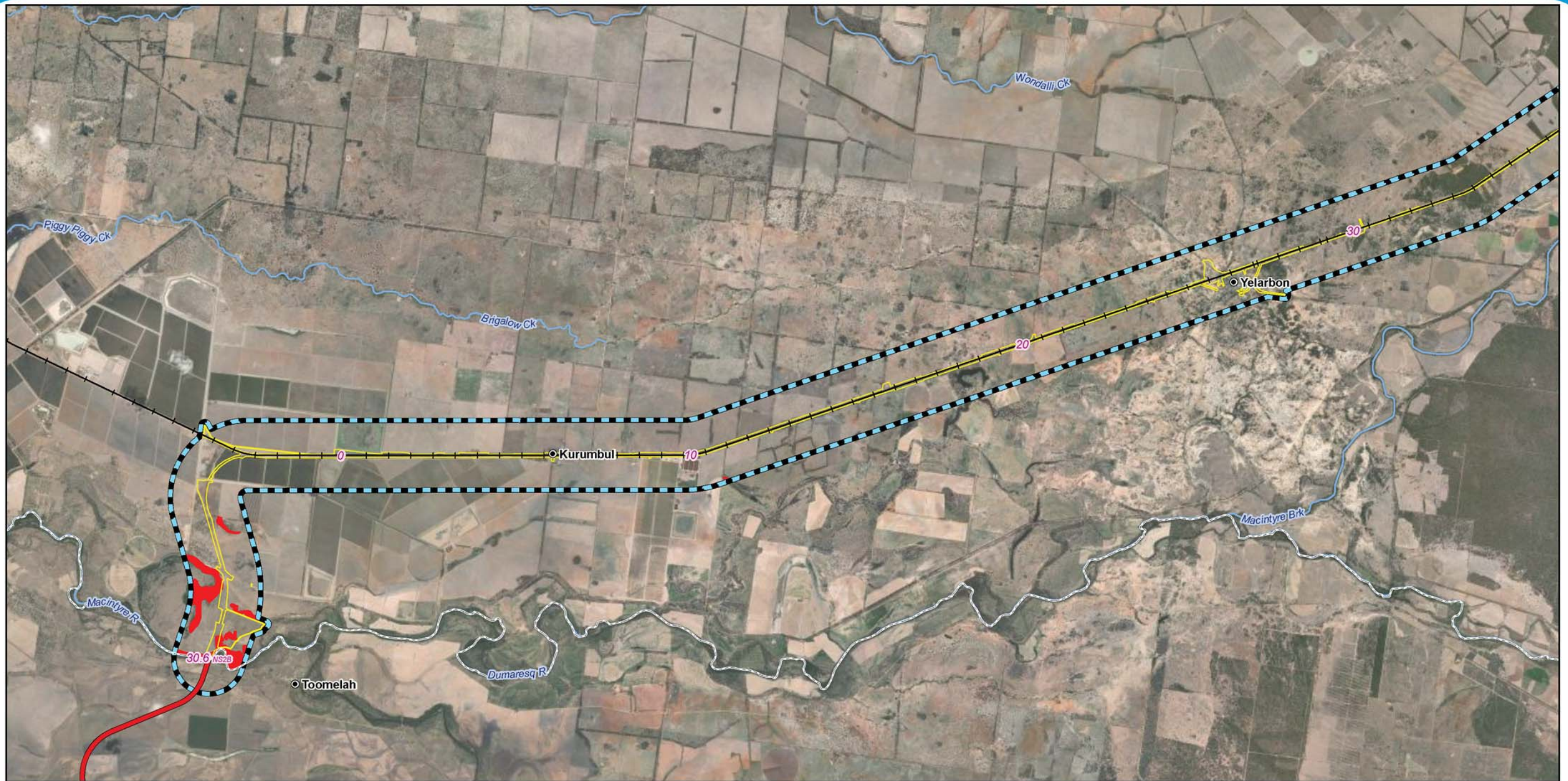
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Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Petauroides volans volans* (Southern greater glider)



Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- Watercourses
- NSW/QLD border
- North Star to NSW/QLD border alignment
- Project footprint
- ▤ Impact assessment area
- Predicted Habitat**
- Habitat critical to the survival of the species



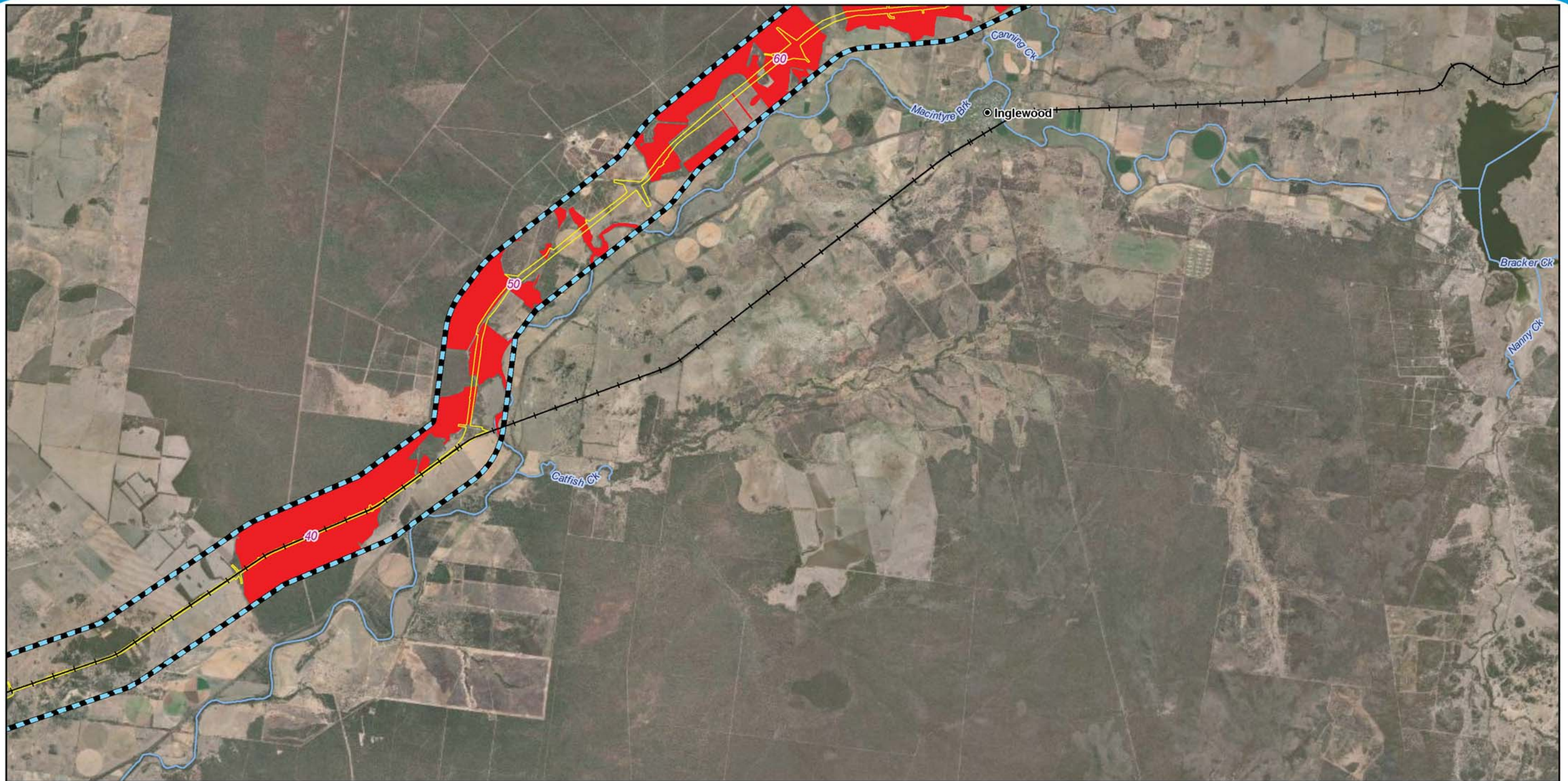
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Issue date: 17/09/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Phascolarctos cinereus* (Koala)



Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- Watercourses
- Project footprint
- Impact assessment area
- Predicted Habitat**
- Habitat critical to the survival of the species



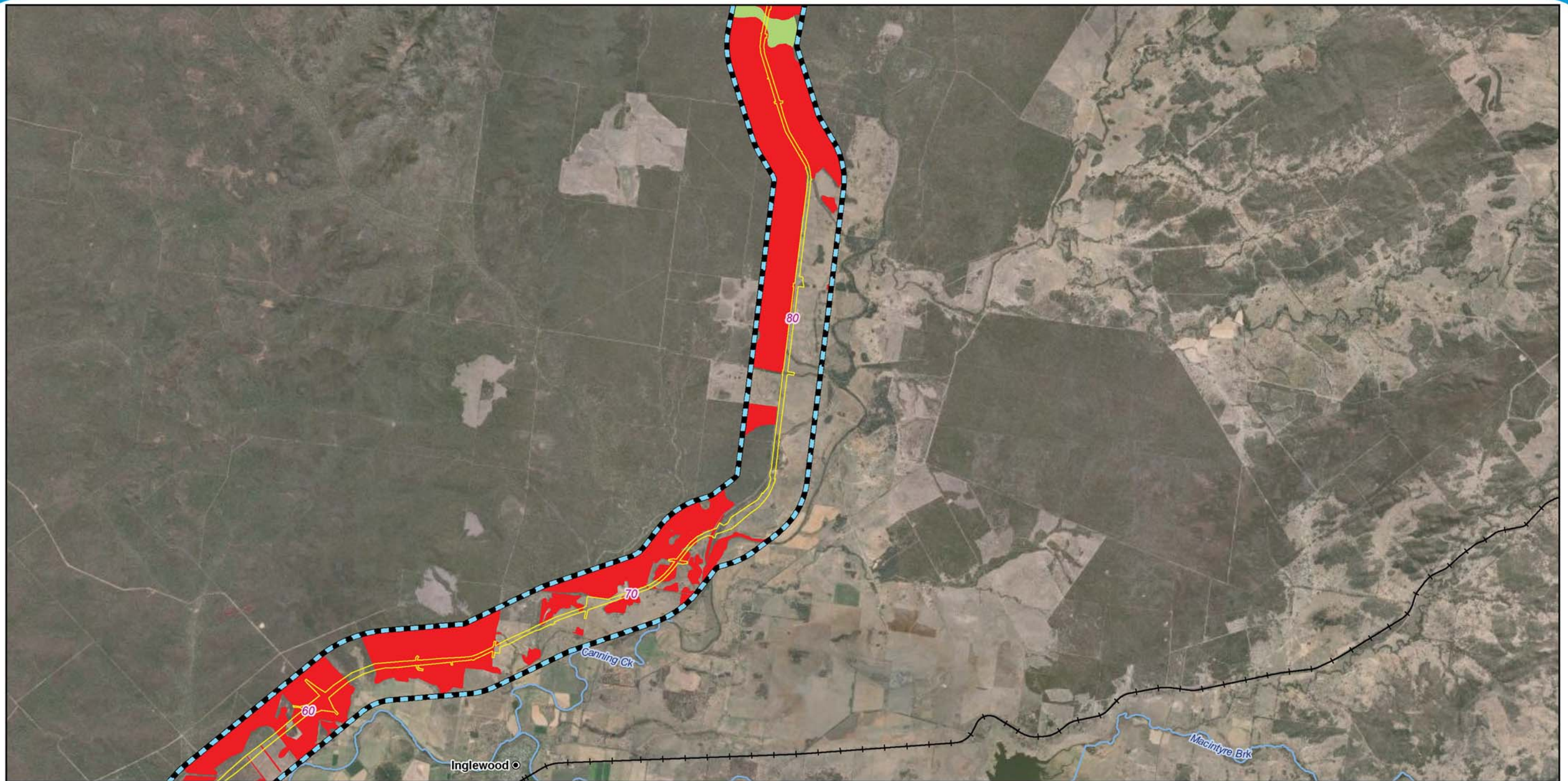
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Issue date: 17/09/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Phascolarctos cinereus* (Koala)



Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- Watercourses
- Project footprint
- ▤ Impact assessment area
- Predicted Habitat**
 - Habitat critical to the survival of the species
 - Potential habitat



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 17/09/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Phascolarctos cinereus* (Koala)



Legend

- Localities
- 5 Chainage (km)
- Watercourses
- Project footprint
- Impact assessment area
- Predicted Habitat**
 - Habitat critical to the survival of the species
 - Potential habitat



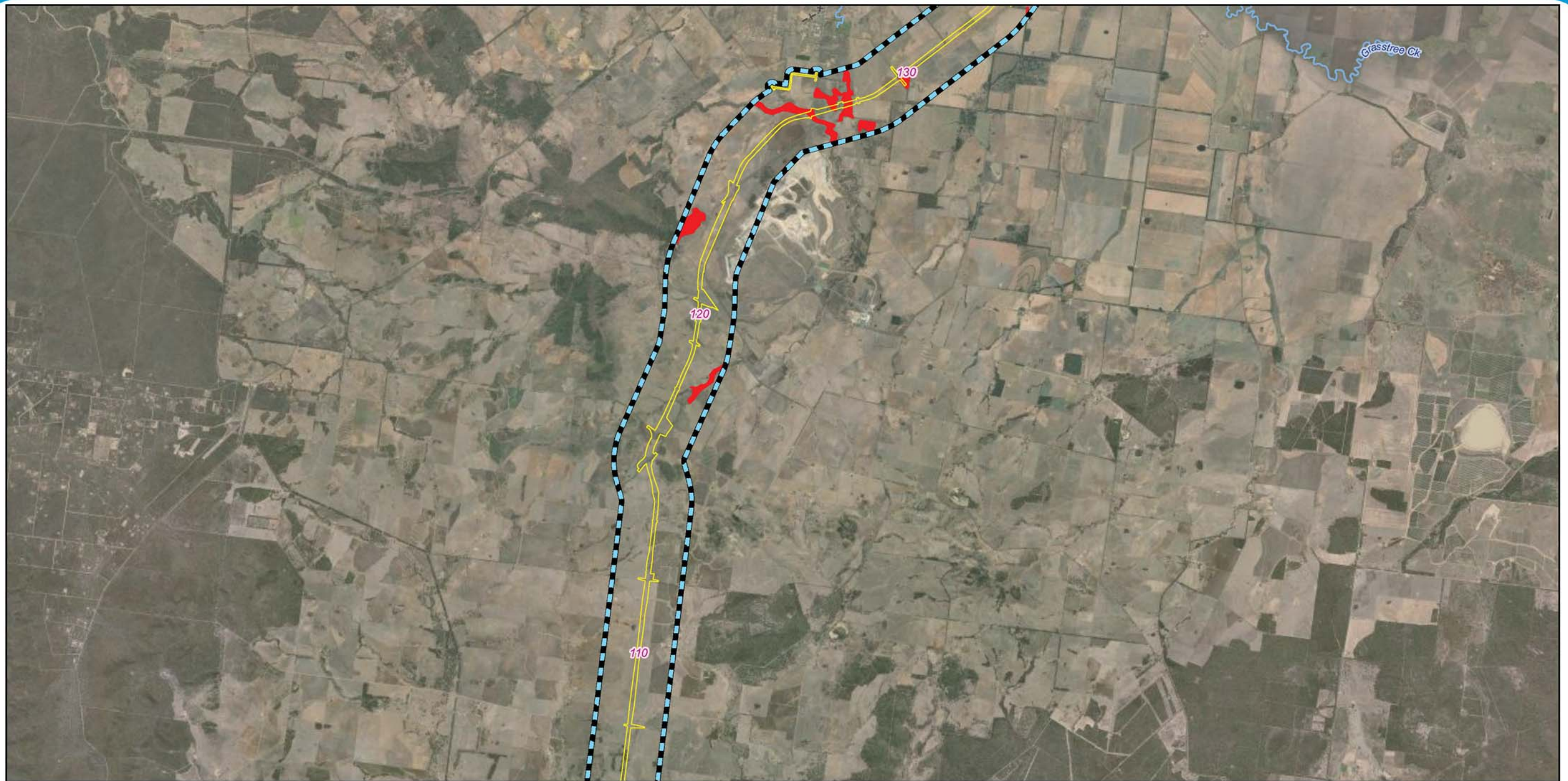
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Issue date: 17/09/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Phascolarctos cinereus* (Koala)



Legend

- 5 Chainage (km)
- +-- Existing rail (non-operational)
- Watercourses
- Project footprint
- Impact assessment area
- Predicted Habitat**
- Habitat critical to the survival of the species



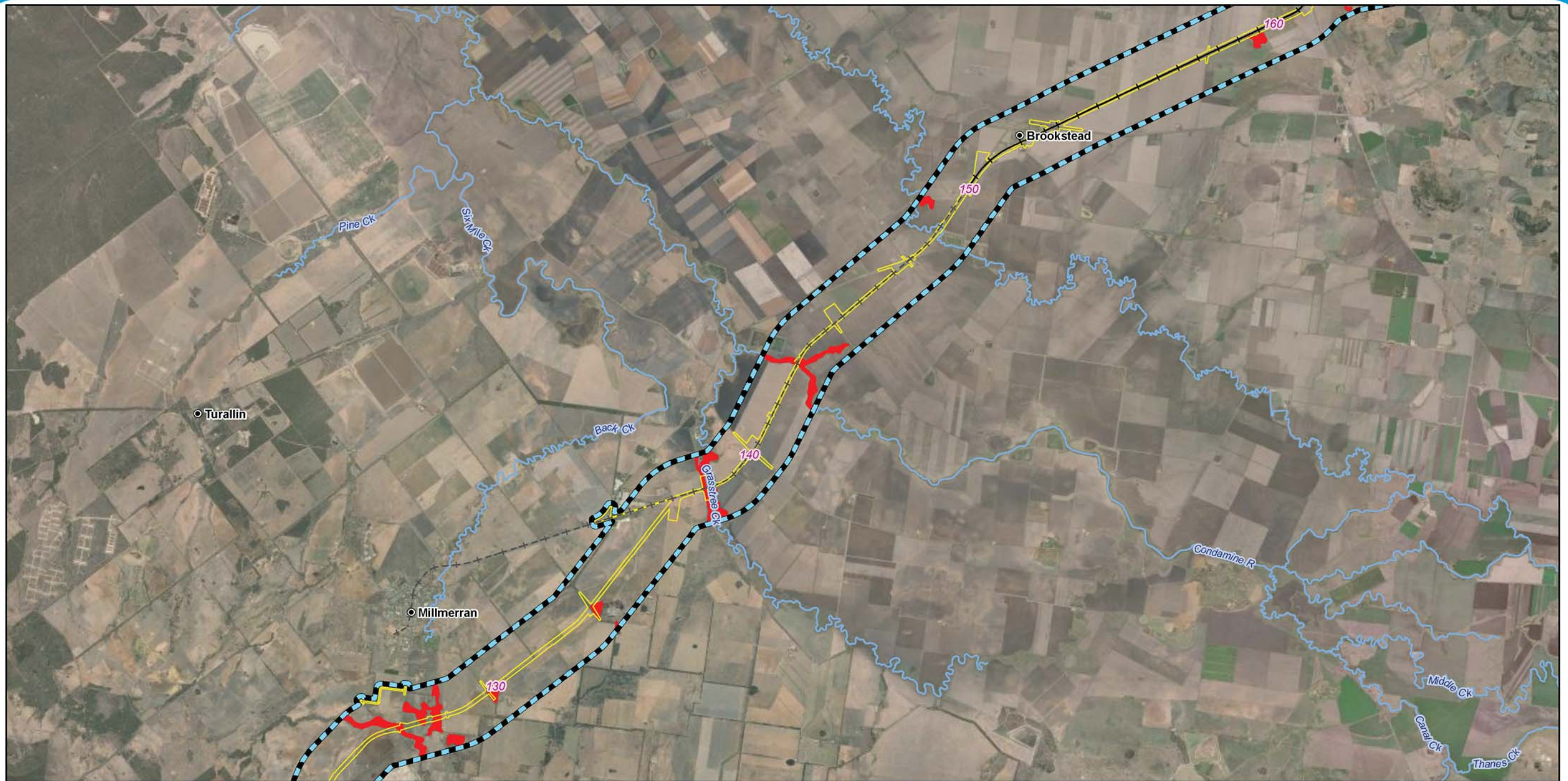
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Issue date: 17/09/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Phascolarctos cinereus* (Koala)



Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- - - Existing rail (non-operational)
- Watercourses
- Project footprint
- Impact assessment area
- Predicted Habitat**
- Habitat critical to the survival of the species



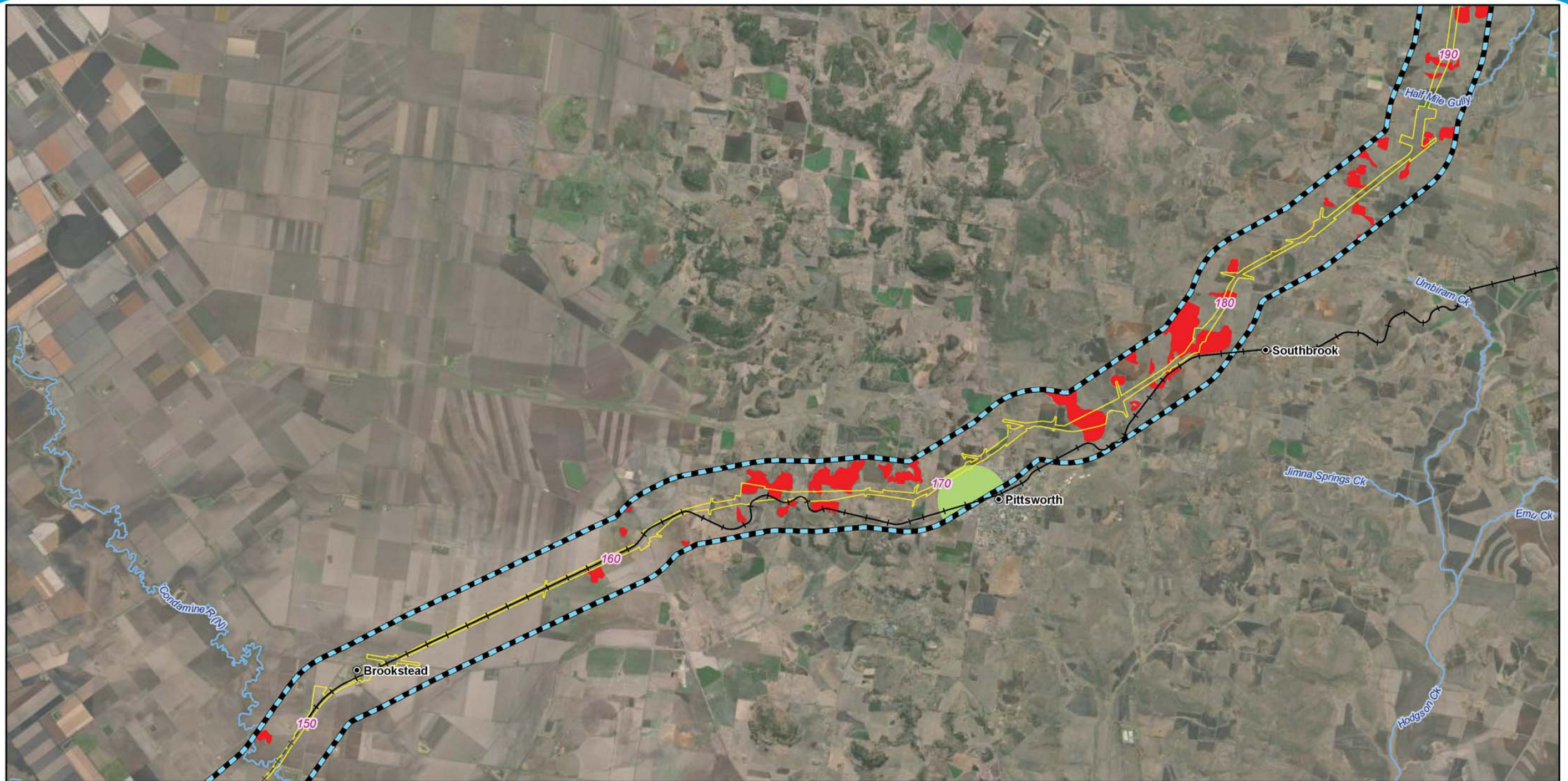
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Issue date: 17/09/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Phascolarctos cinereus* (Koala)



Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- - - Existing rail (non-operational)
- Watercourses
- Project footprint
- ▬ Impact assessment area
- Predicted Habitat**
 - Habitat critical to the survival of the species
 - Potential habitat



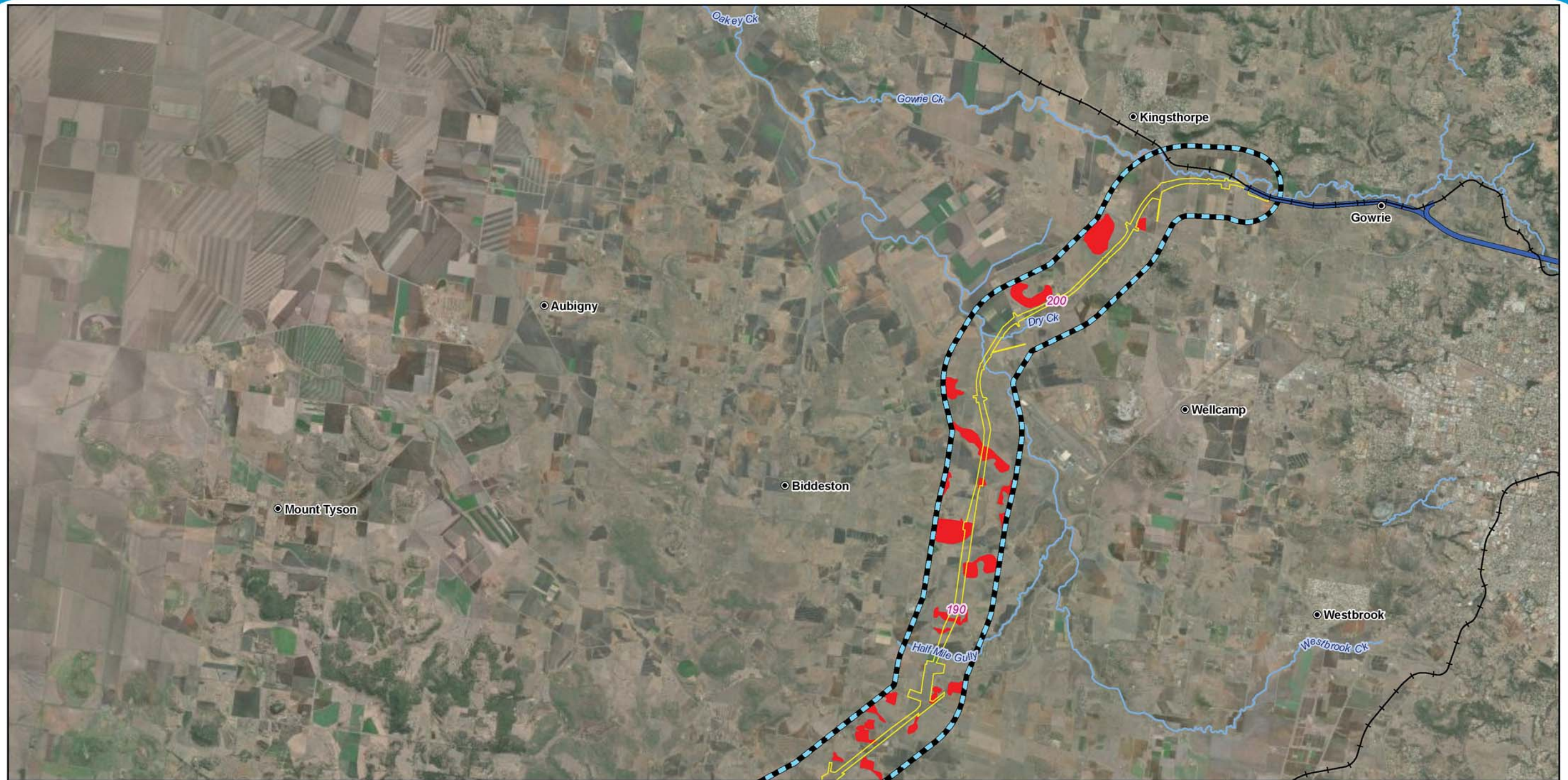
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Issue date: 17/09/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Phascolarctos cinereus* (Koala)



Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- Watercourses
- Gowrie to Helidon alignment
- Project footprint
- Impact assessment area
- Predicted Habitat**
- Habitat critical to the survival of the species



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 17/09/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Phascolarctos cinereus* (Koala)



Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- - - Existing rail (non-operational)
- Watercourses
- Project footprint
- Impact assessment area

Predicted Habitat

- Potential habitat



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

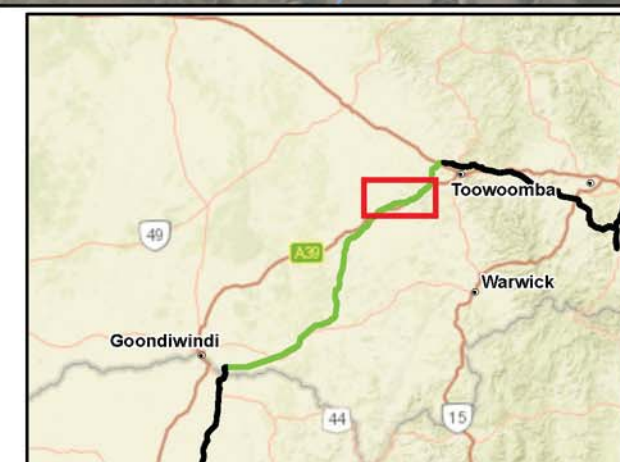
ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Pteropus poliocephalus* (Grey-headed flying-fox)



Legend

- Localities
 - 5 Chainage (km)
 - Existing rail (operational)
 - - - Existing rail (non-operational)
 - Watercourses
 - Project footprint
 - ▨ Impact assessment area
- Predicted Habitat**
- Potential habitat



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Pteropus poliocephalus* (Grey-headed flying-fox)



Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- Watercourses
- Gowrie to Helidon alignment
- Project footprint
- Impact assessment area

Predicted Habitat

- Habitat critical to the survival of the species
- Potential habitat



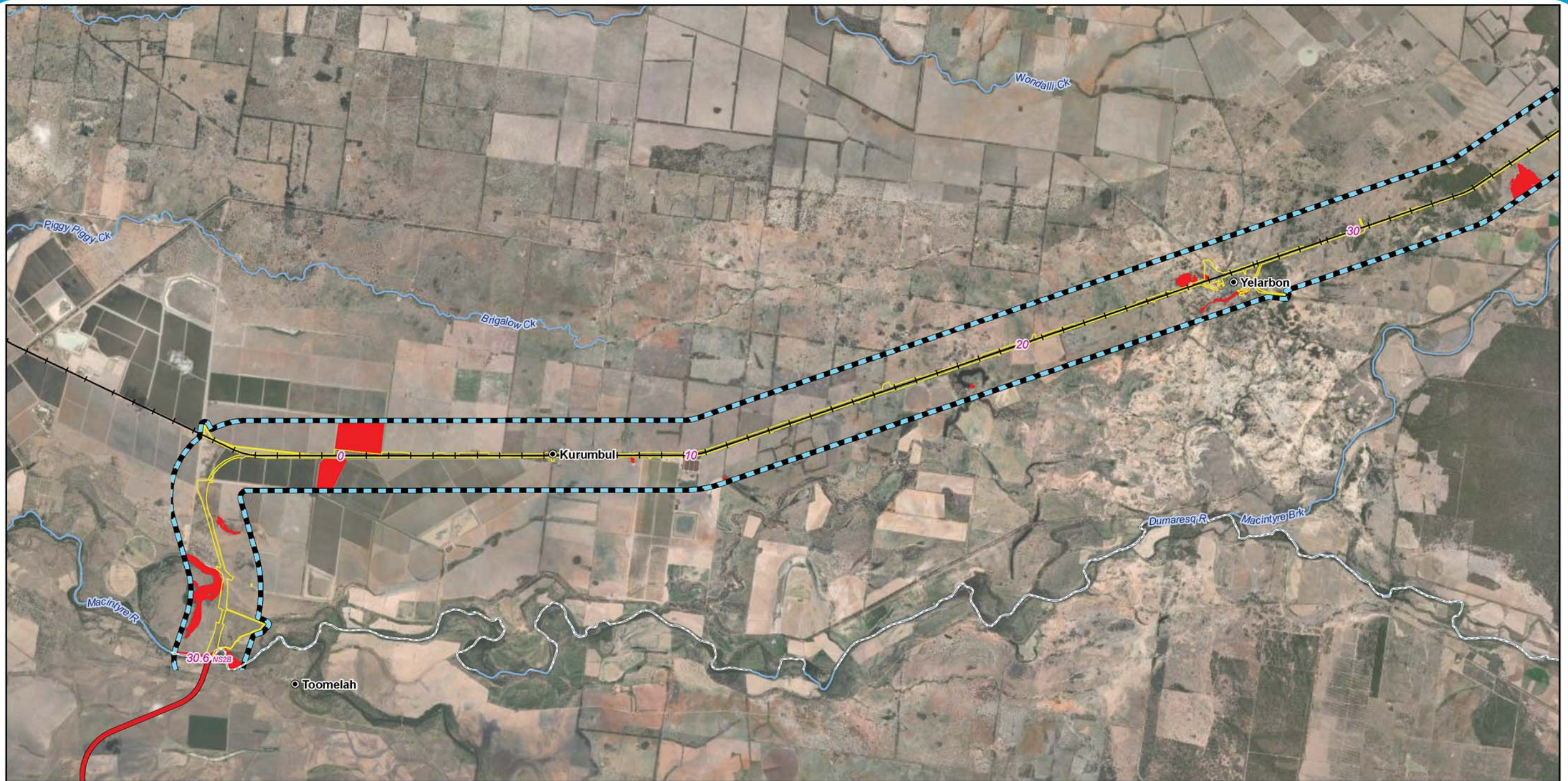
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Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Pteropus poliocephalus* (Grey-headed flying-fox)



Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- Watercourses
- NSW/QLD border
- North Star to NSW/QLD border alignment
- Project footprint
- Impact assessment area

Predicted Habitat

- Habitat critical to the survival of the species



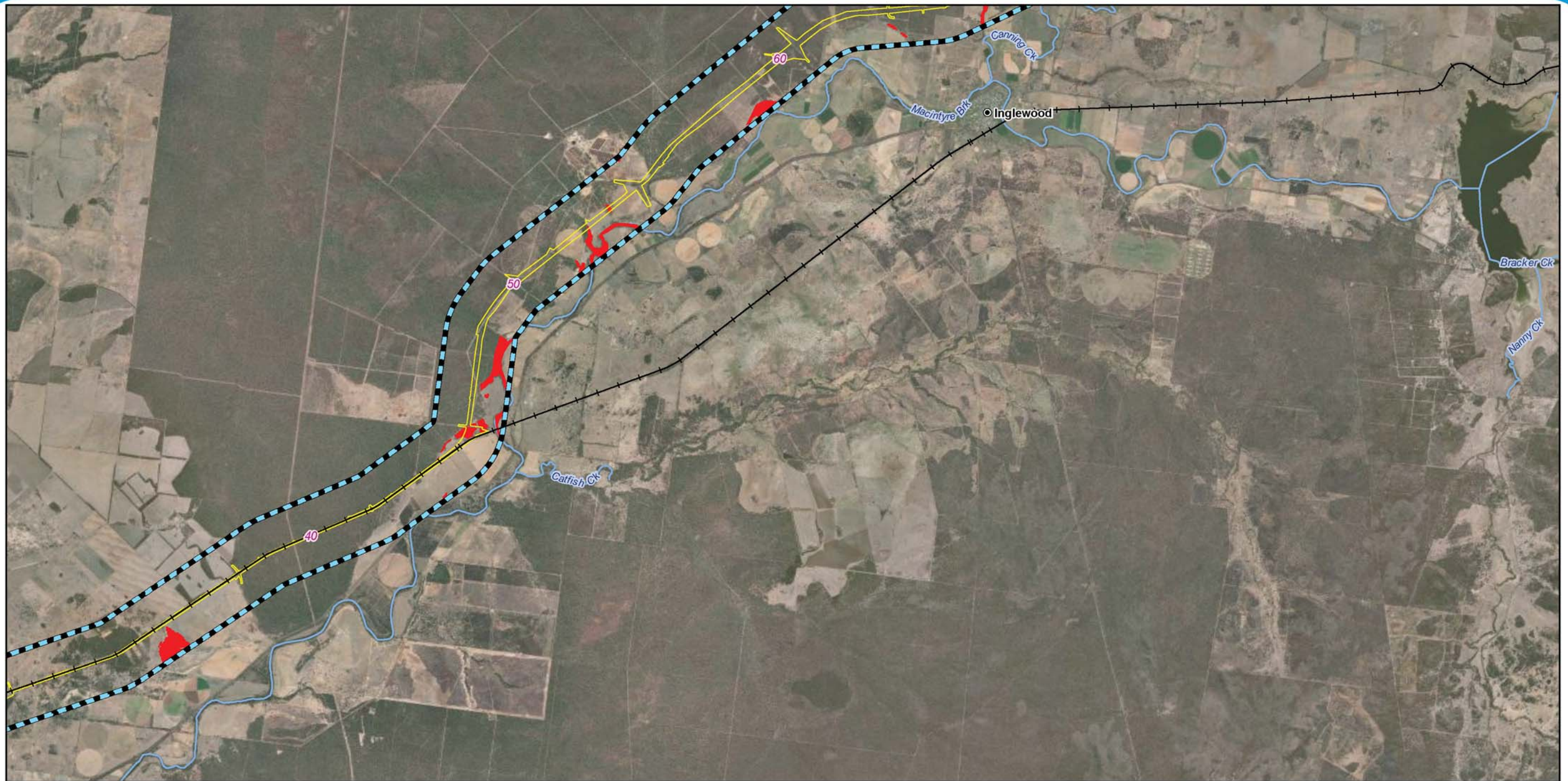
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Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

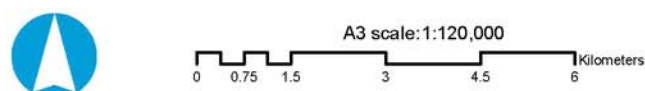
ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Rostratula australis* (Australian painted snipe)



Legend

- Localities
 - 5 Chainage (km)
 - Existing rail (operational)
 - Watercourses
 - NSW/QLD border
 - Project footprint
 - Impact assessment area
- Predicted Habitat**
- Habitat critical to the survival of the species





Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- Watercourses
- NSW/QLD border
- Project footprint
- ▨ Impact assessment area

Predicted Habitat

- Habitat critical to the survival of the species



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Rostratula australis* (Australian painted snipe)



Legend

- Localities
- 5 Chainage (km)
- Watercourses
- NSW/QLD border
- Project footprint
- ▨ Impact assessment area

Predicted Habitat

- Habitat critical to the survival of the species



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Rostratula australis* (Australian painted snipe)



Legend

- 5 Chainage (km)
 - +-- Existing rail (non-operational)
 - Watercourses
 - Project footprint
 - ▨ Impact assessment area
- Predicted Habitat**
- Habitat critical to the survival of the species



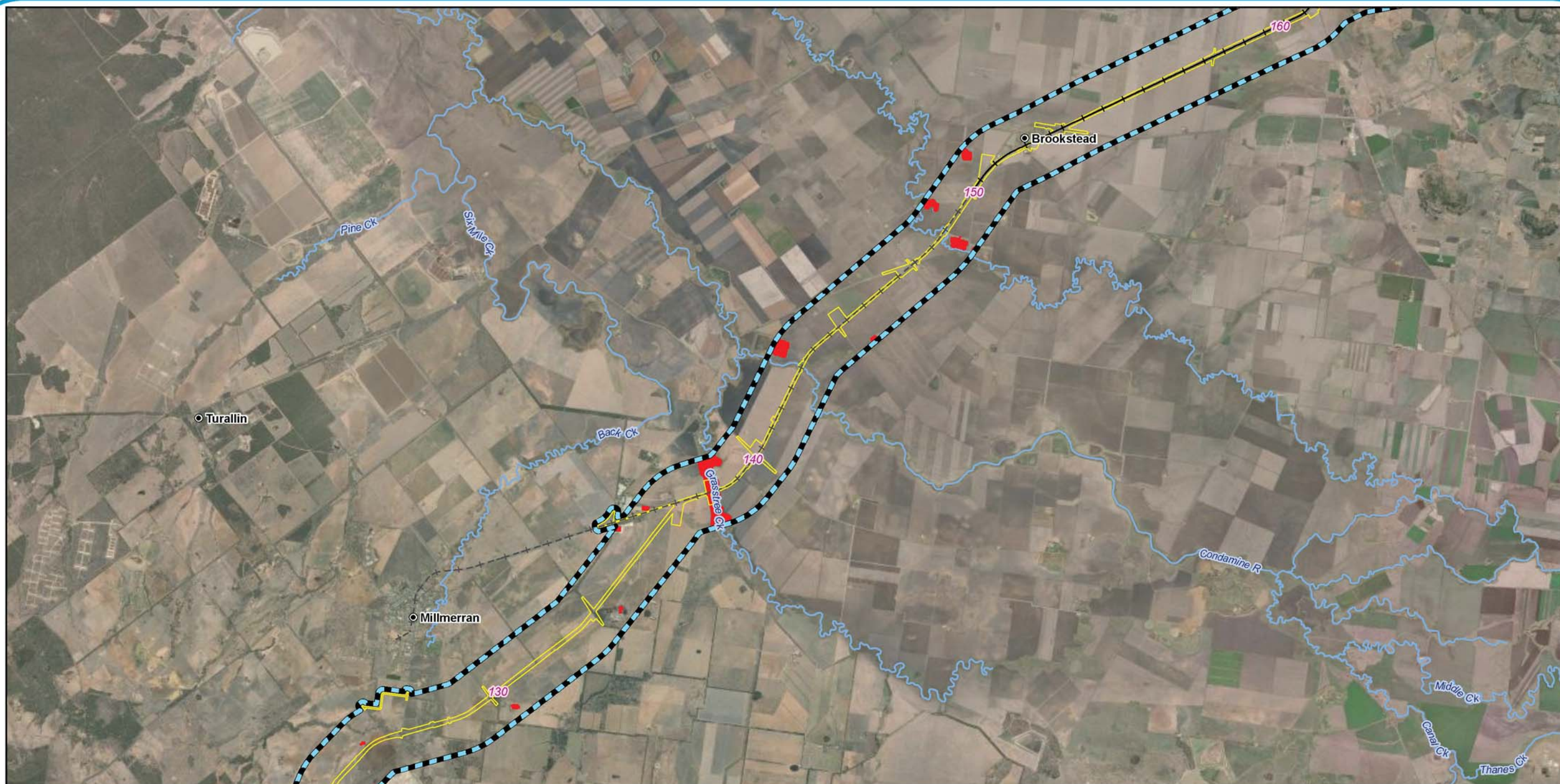
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Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Rostratula australis* (Australian painted snipe)



Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- - - Existing rail (non-operational)
- Watercourses
- Project footprint
- ▨ Impact assessment area

Predicted Habitat

- Habitat critical to the survival of the species



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Rostratula australis* (Australian painted snipe)



Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- - - Existing rail (non-operational)
- Watercourses
- Project footprint
- Impact assessment area

Predicted Habitat

- Habitat critical to the survival of the species





Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- Watercourses
- Gowrie to Helidon alignment
- Project footprint
- Impact assessment area

Predicted Habitat

- Habitat critical to the survival of the species



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
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ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Rostratula australis* (Australian painted snipe)



Legend

- 5 Chainage (km)
 - +-- Existing rail (non-operational)
 - Watercourses
 - Project footprint
 - ▨ Impact assessment area
- Predicted Habitat**
- Habitat critical to the survival of the species



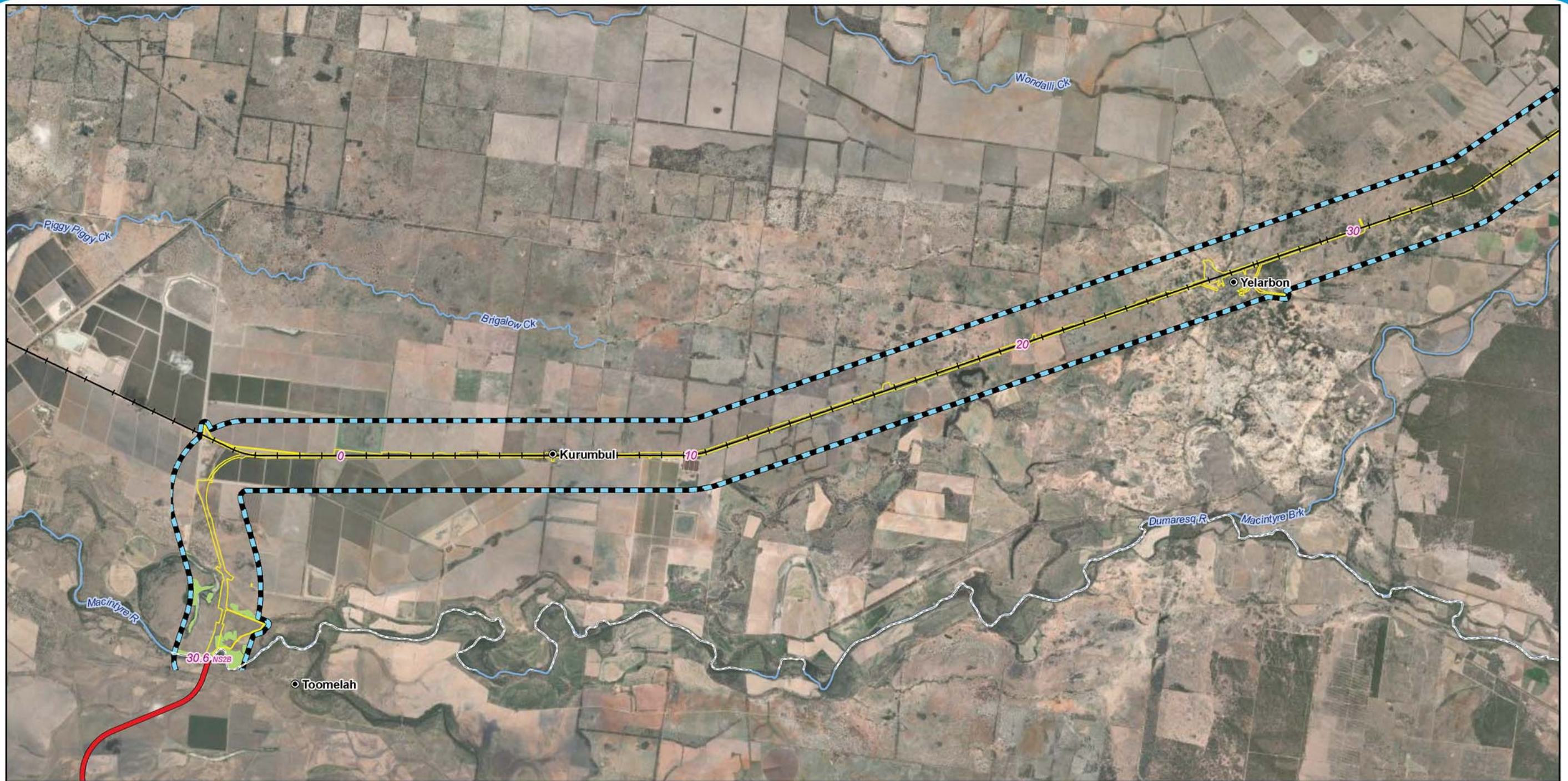
A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Turnix melanogaster* (Black-breasted button-quail)



Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- Watercourses
- NSW/QLD border
- North Star to NSW/QLD border alignment
- Project footprint
- Impact assessment area

Predicted Habitat

- Potential habitat



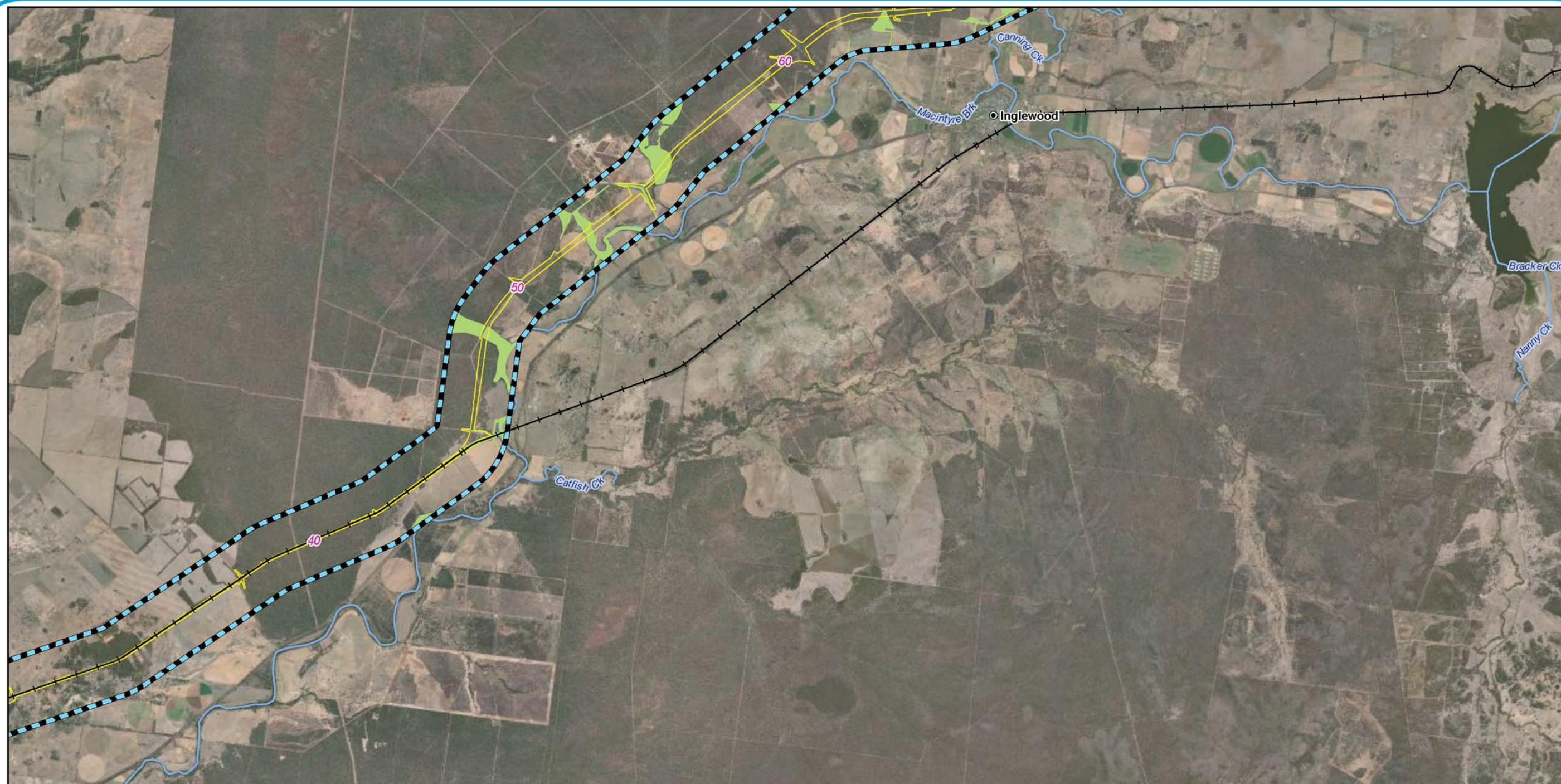
A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Tympanocryptis condaminensis* (Condamine earless dragon)



Legend

- Localities
 - 5 Chainage (km)
 - Existing rail (operational)
 - Watercourses
 - NSW/QLD border
 - Project footprint
 - ▨ Impact assessment area
- Predicted Habitat**
- Potential habitat



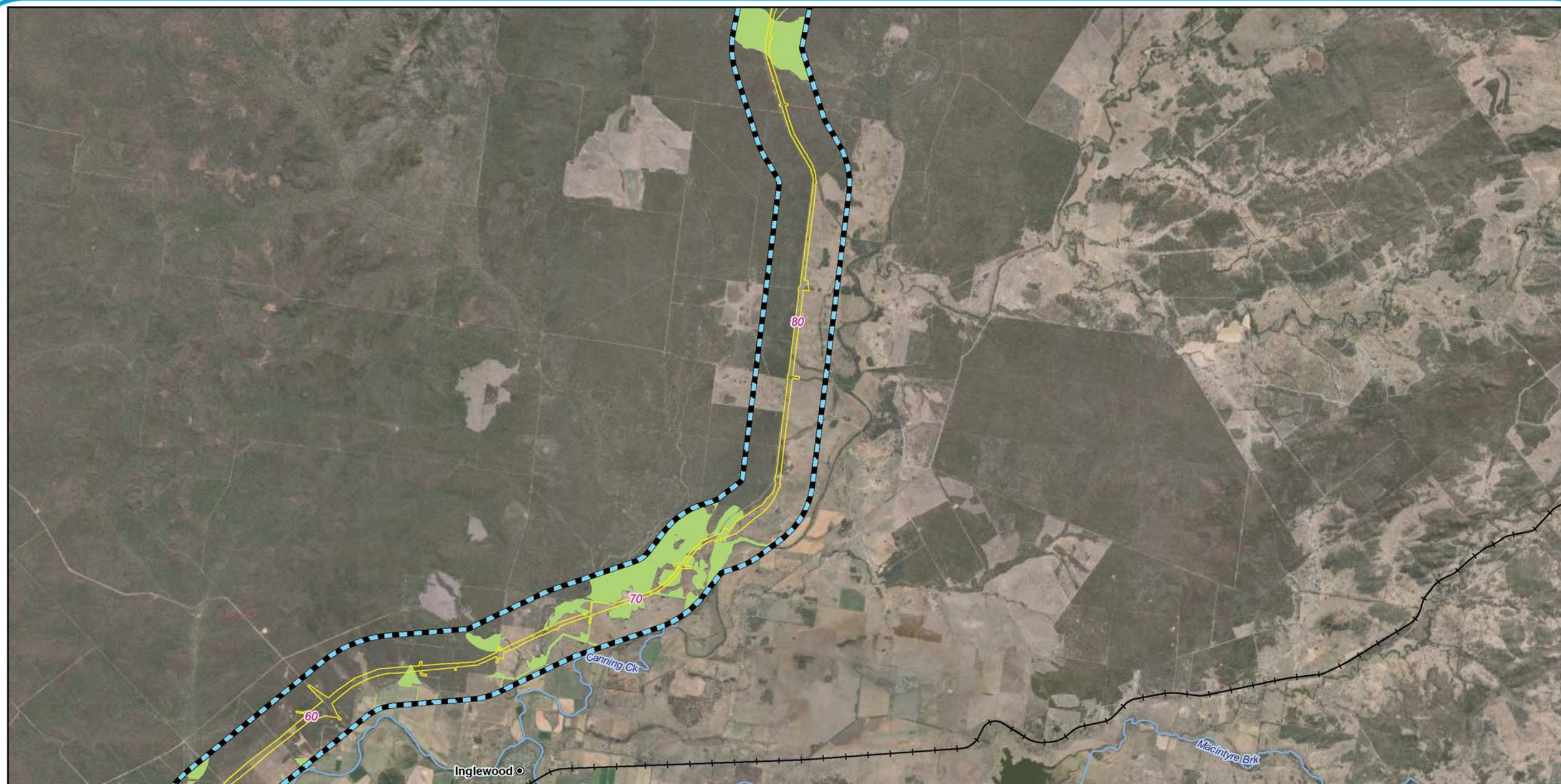
A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Tympanocryptis condaminensis* (Condamine earless dragon)



Legend

- Localities
 - 5 Chainage (km)
 - Existing rail (operational)
 - Watercourses
 - NSW/QLD border
 - Project footprint
 - ▨ Impact assessment area
- Predicted Habitat**
- Potential habitat



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Tympanocryptis condaminensis* (Condamine earless dragon)



Legend

- Localities
 - 5 Chainage (km)
 - Watercourses
 - NSW/QLD border
 - Project footprint
 - ▤ Impact assessment area
- Predicted Habitat**
- Potential habitat



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Tympanocryptis condaminensis* (Condamine earless dragon)



Legend

- | | | |
|-----------------|---------------------------------|--------------------------|
| 5 | Chainage (km) | Predicted Habitat |
| --+-- | Existing rail (non-operational) | Green box |
| — | Watercourses | Potential habitat |
| Yellow box | Project footprint | |
| Dashed blue box | Impact assessment area | |



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
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ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Tympanocryptis condaminensis* (Condamine earless dragon)



Legend

- Localities
- 5 Chainage (km)
- Existing rail (operational)
- - - Existing rail (non-operational)
- Watercourses
- Project footprint
- ▨ Impact assessment area

Predicted Habitat

- Habitat critical to the survival of the species
- Potential habitat



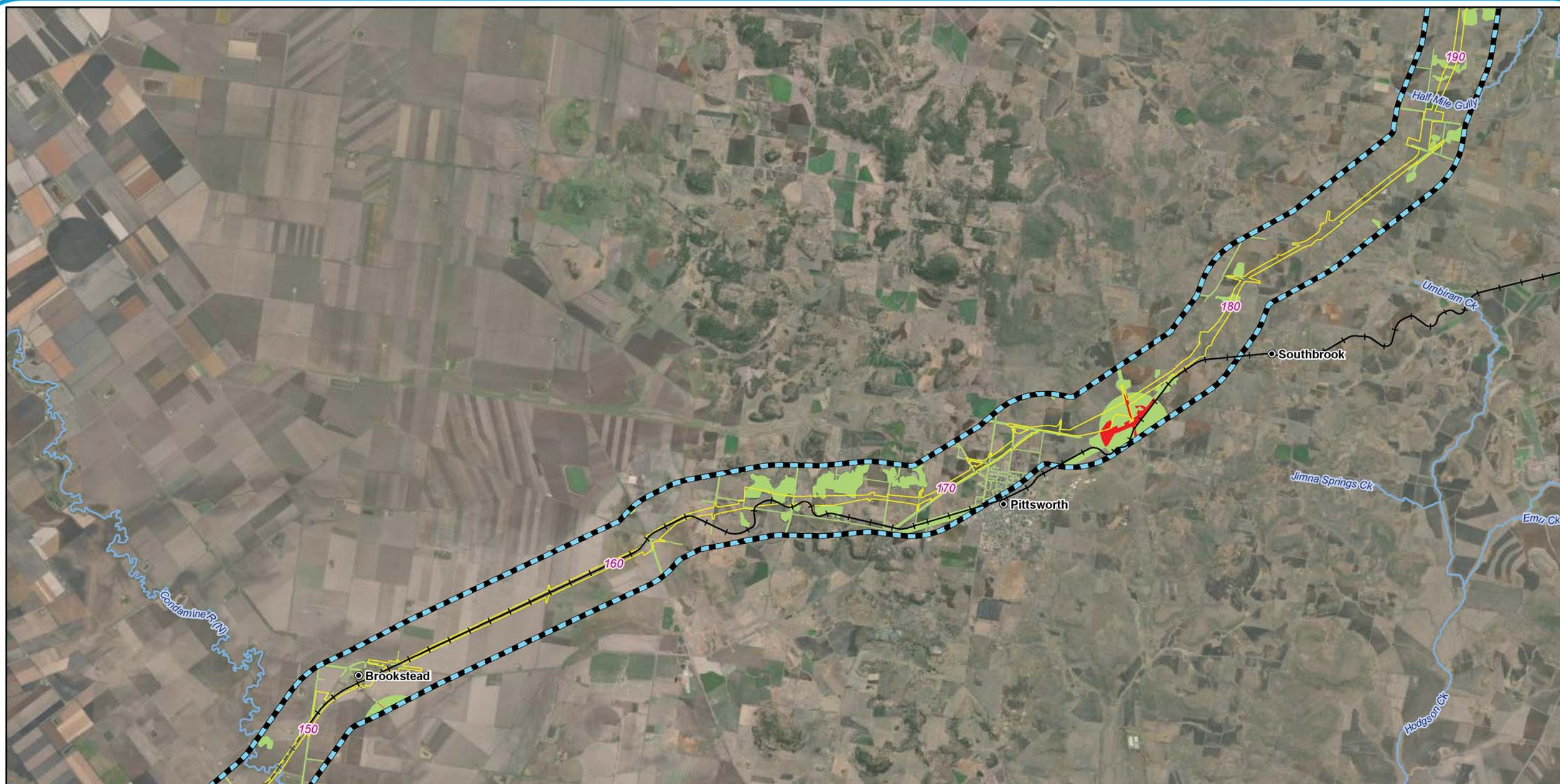
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0 0.75 1.5 3 4.5 6 Kilometers



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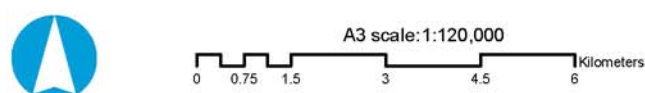
ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Tympanocryptis condaminensis* (Condamine earless dragon)



Legend

- Localities
 - 5 Chainage (km)
 - Existing rail (operational)
 - - - Existing rail (non-operational)
 - Watercourses
 - Project footprint
 - ▨ Impact assessment area
- Predicted Habitat**
- Habitat critical to the survival of the species
 - Potential habitat





Legend

- Localities
 - 5 Chainage (km)
 - Existing rail (operational)
 - Watercourses
 - Gowrie to Helidon alignment
 - Project footprint
 - Impact assessment area
- Predicted Habitat**
- Potential habitat



A3 scale: 1:120,000
0 0.75 1.5 3 4.5 6 Kilometers



Issue date: 21/05/2020 Version: 4
Coordinate system: MGA56

ARTC Inland Rail Study: Border to Gowrie

Predicted Habitat: *Tympanocryptis condaminensis* (Condamine earless dragon)