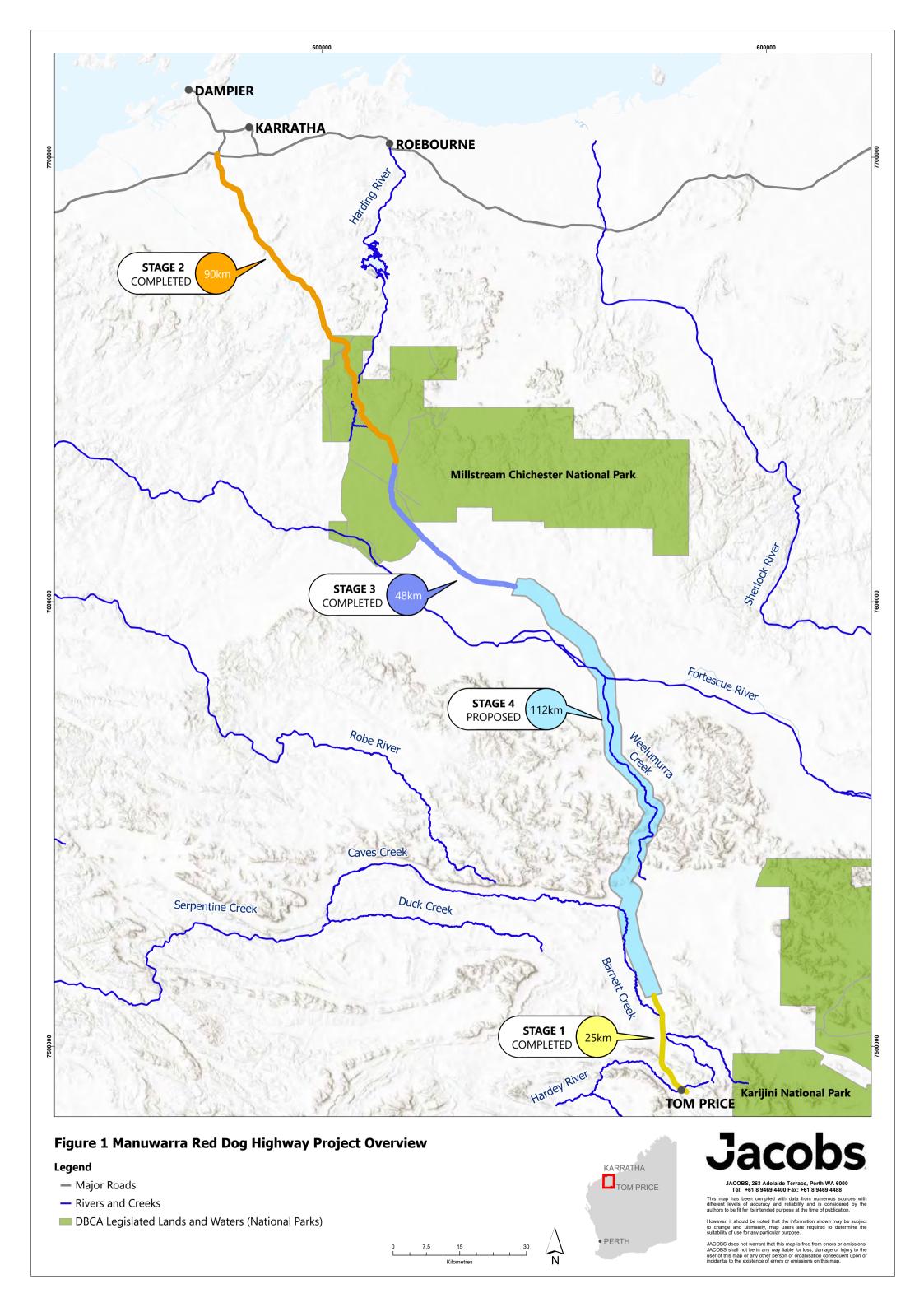
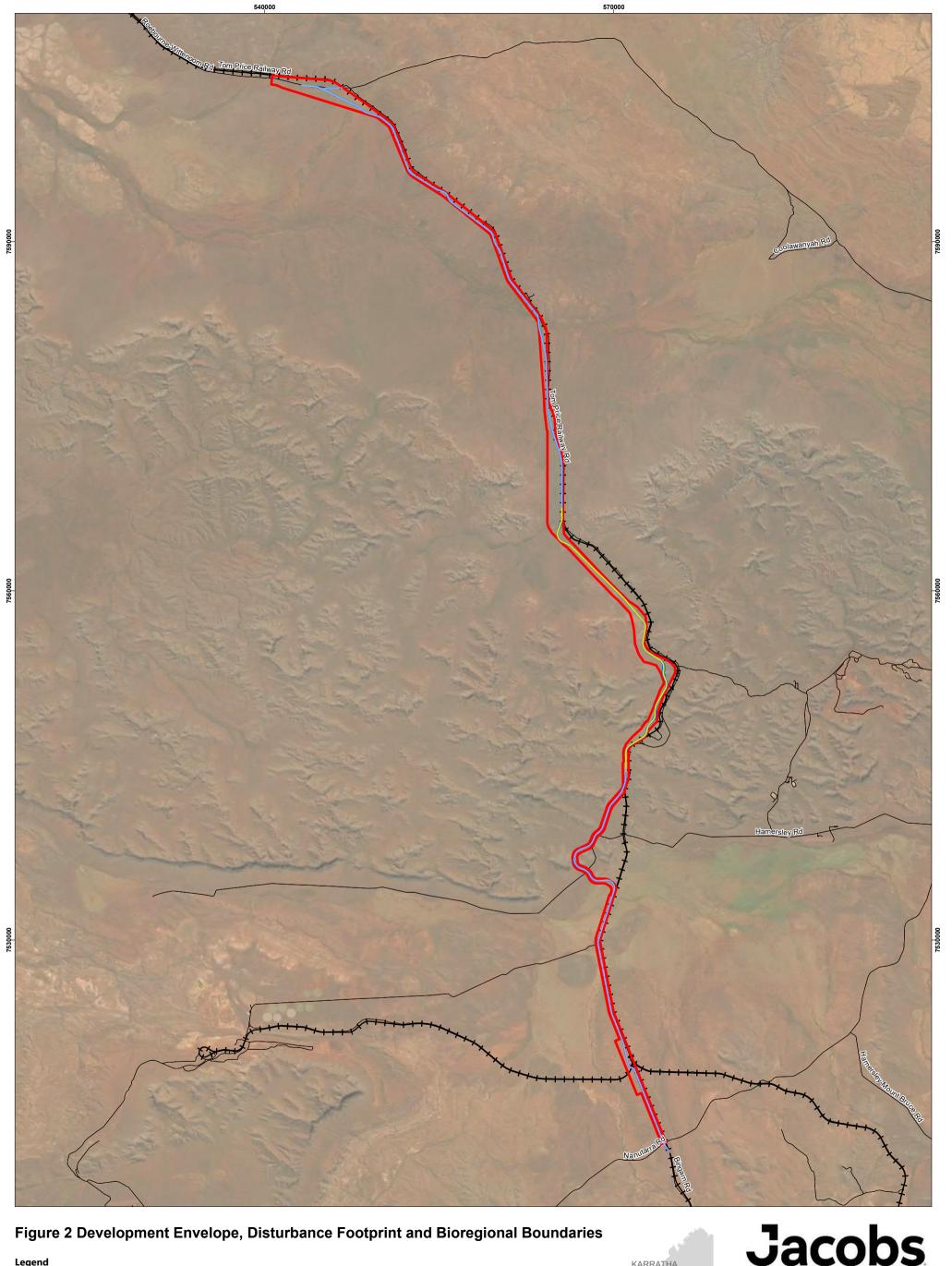
12 Figures









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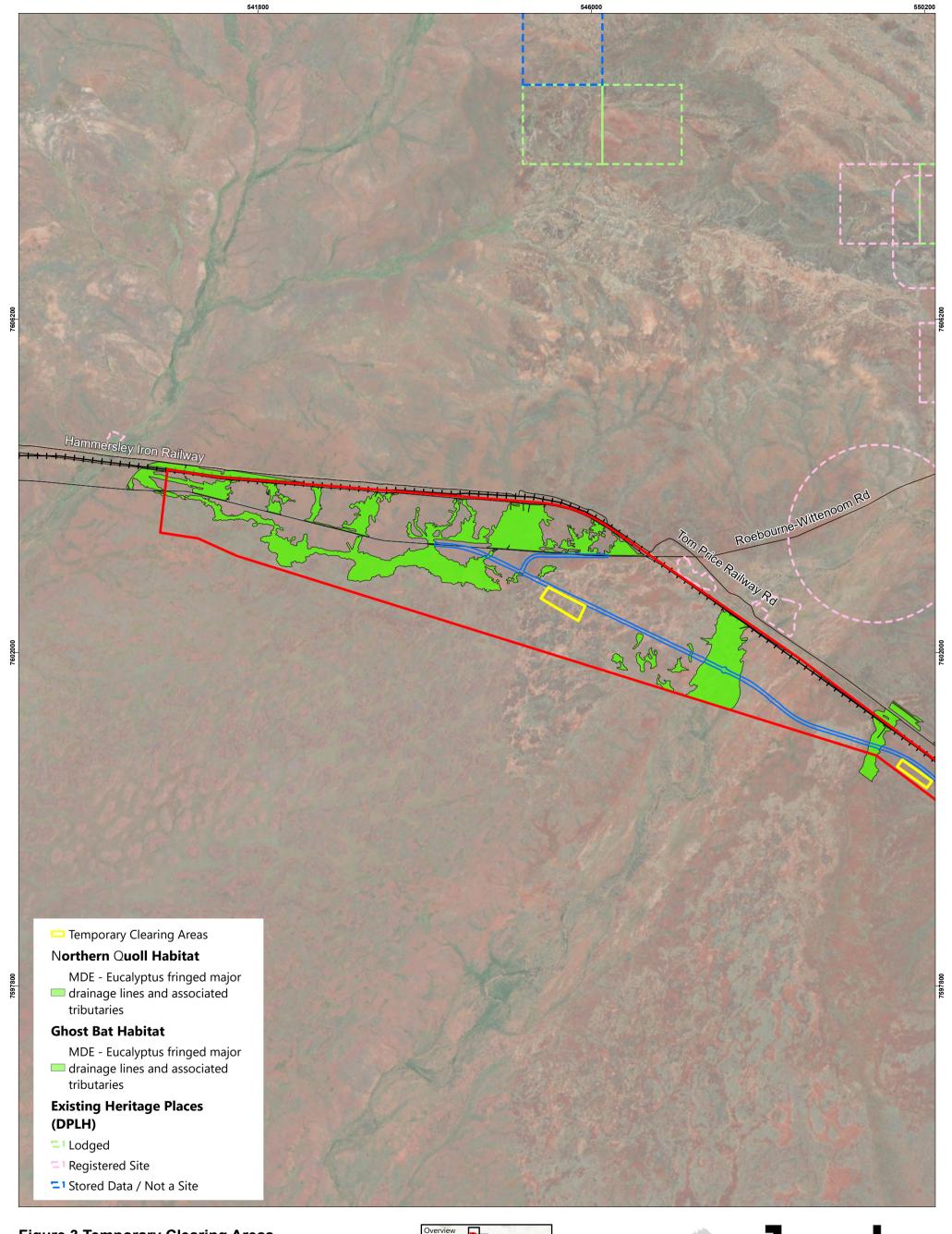


Figure 3 Temporary Clearing Areas

Legend

- Roads
- → Railways
- □ Disturbance Footprint
- Development Envelope
- ☐ Fauna Habitat Survey Boundary





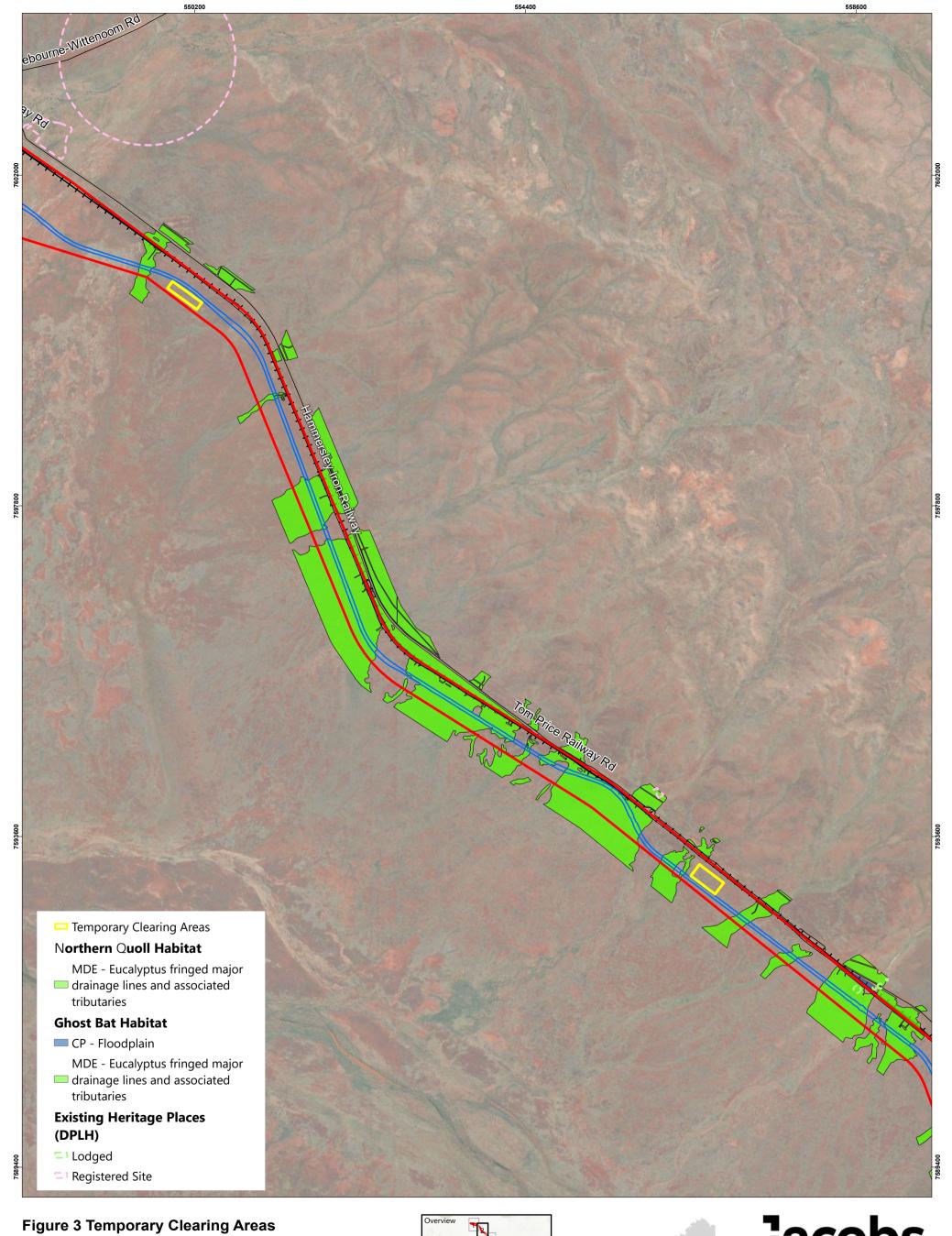




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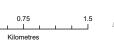
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- Roads
- → Railways
- Disturbance Footprint
- Development Envelope
- ☐ Fauna Habitat Survey Boundary



0.38



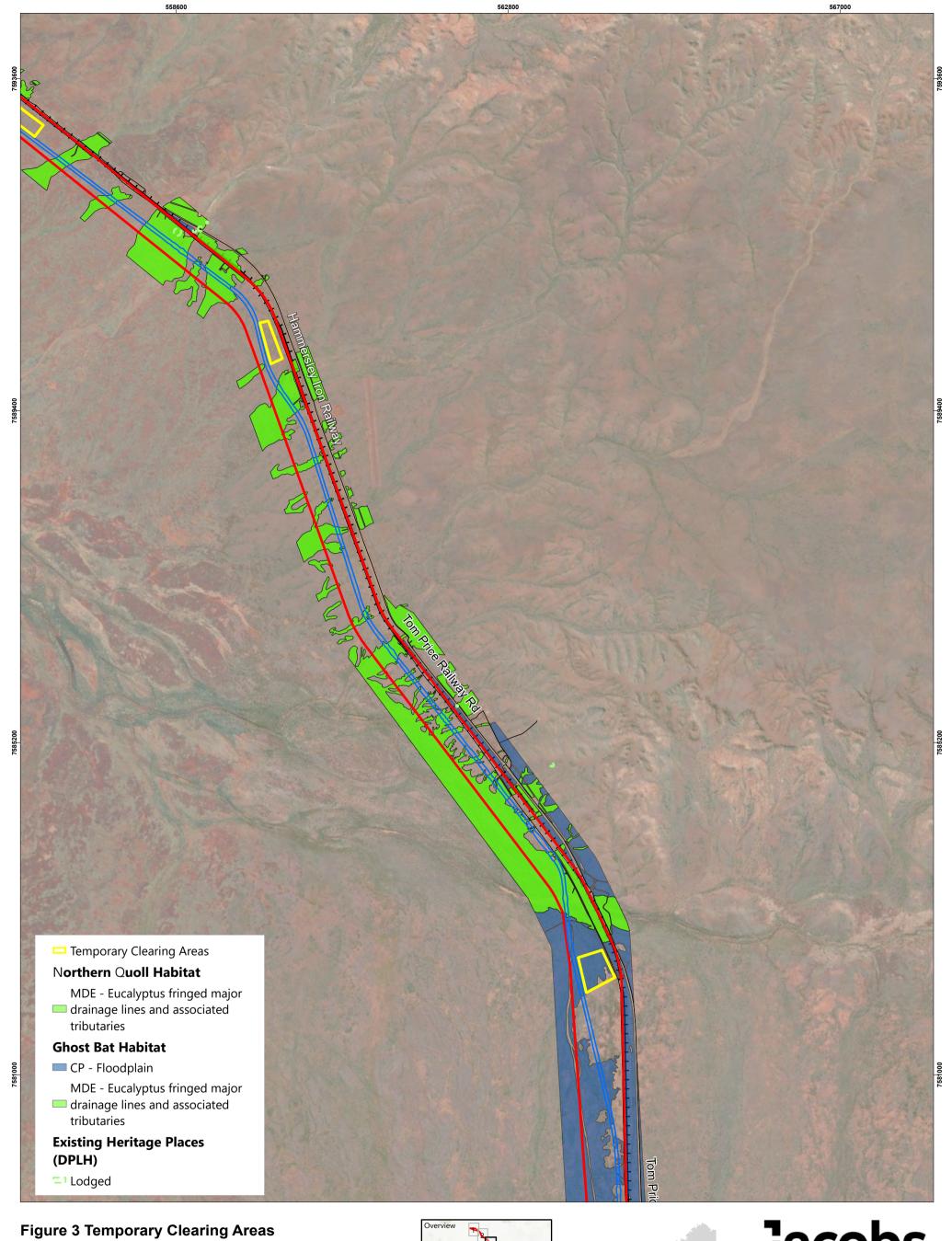




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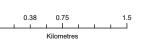
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- Roads
- → Railways
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- ☐ Fauna Habitat Survey Boundary



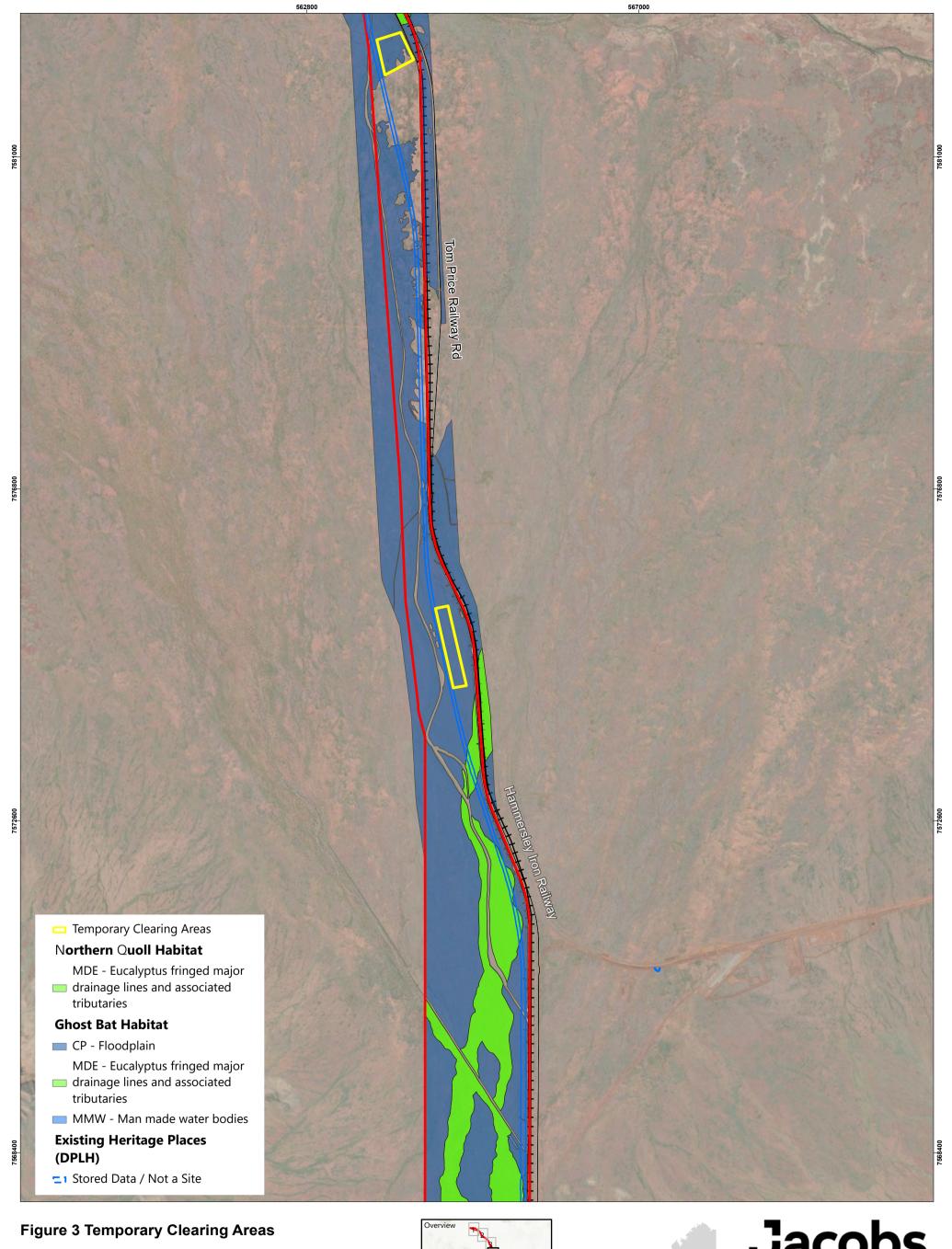




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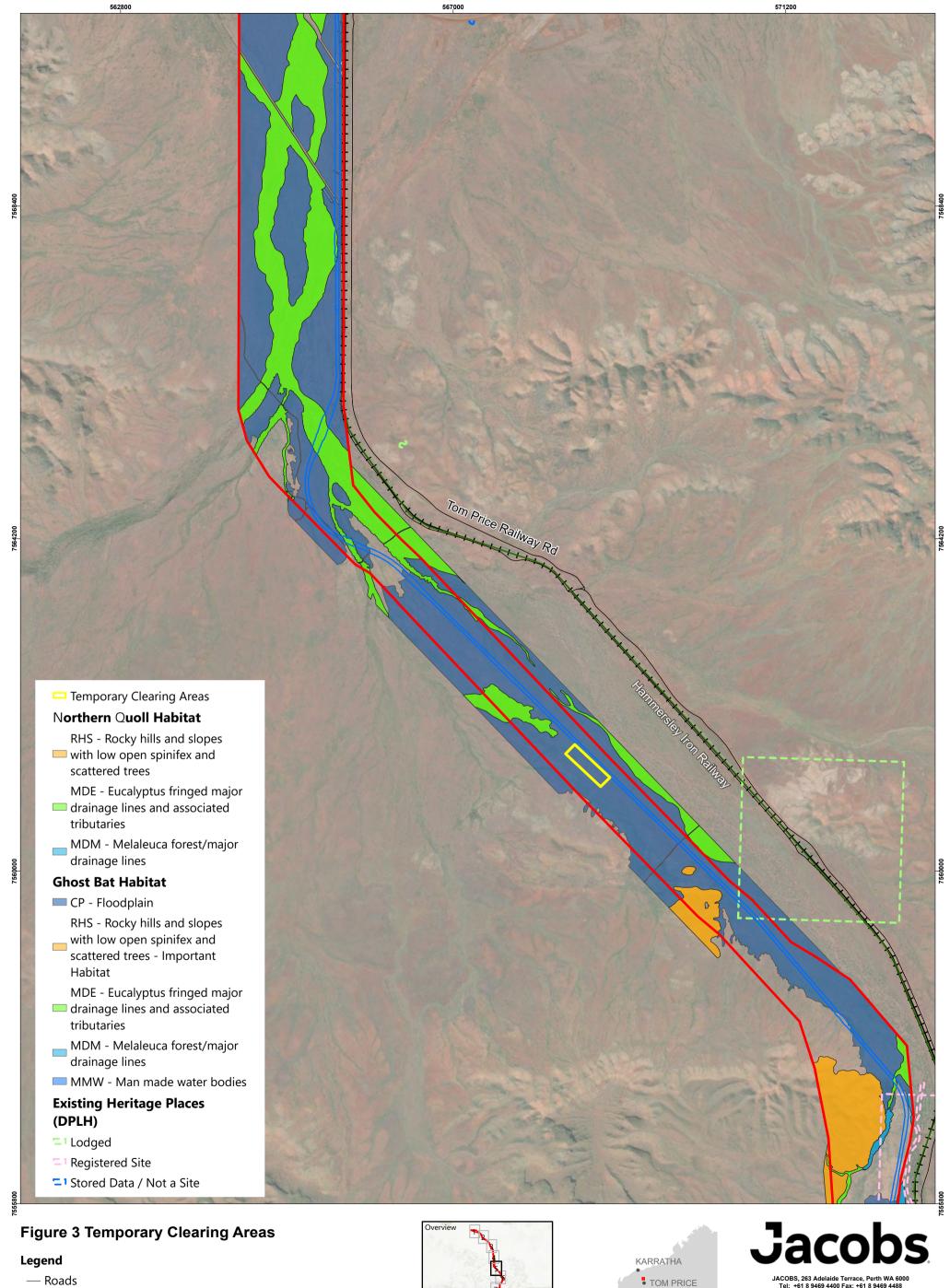
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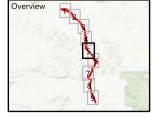
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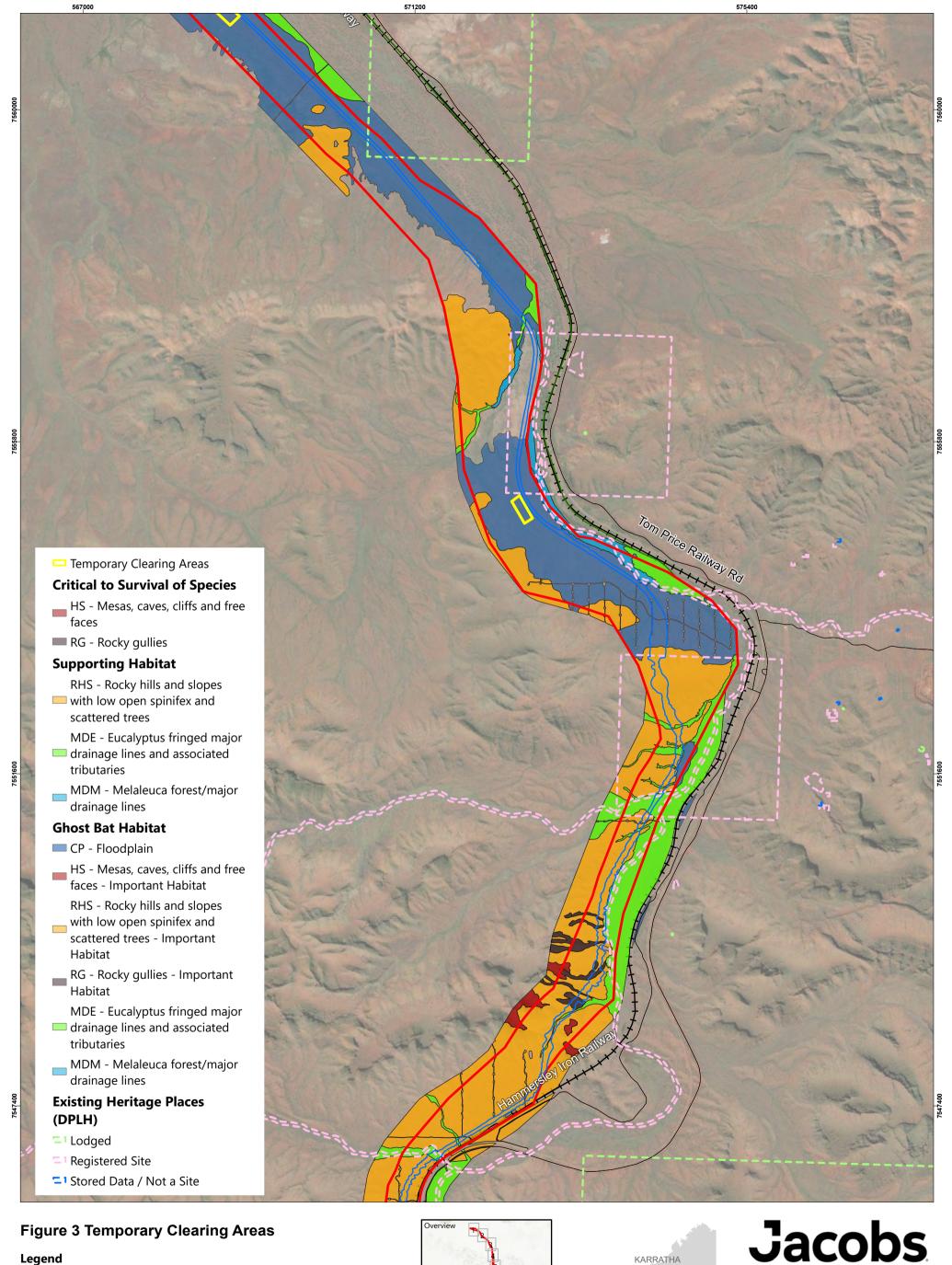




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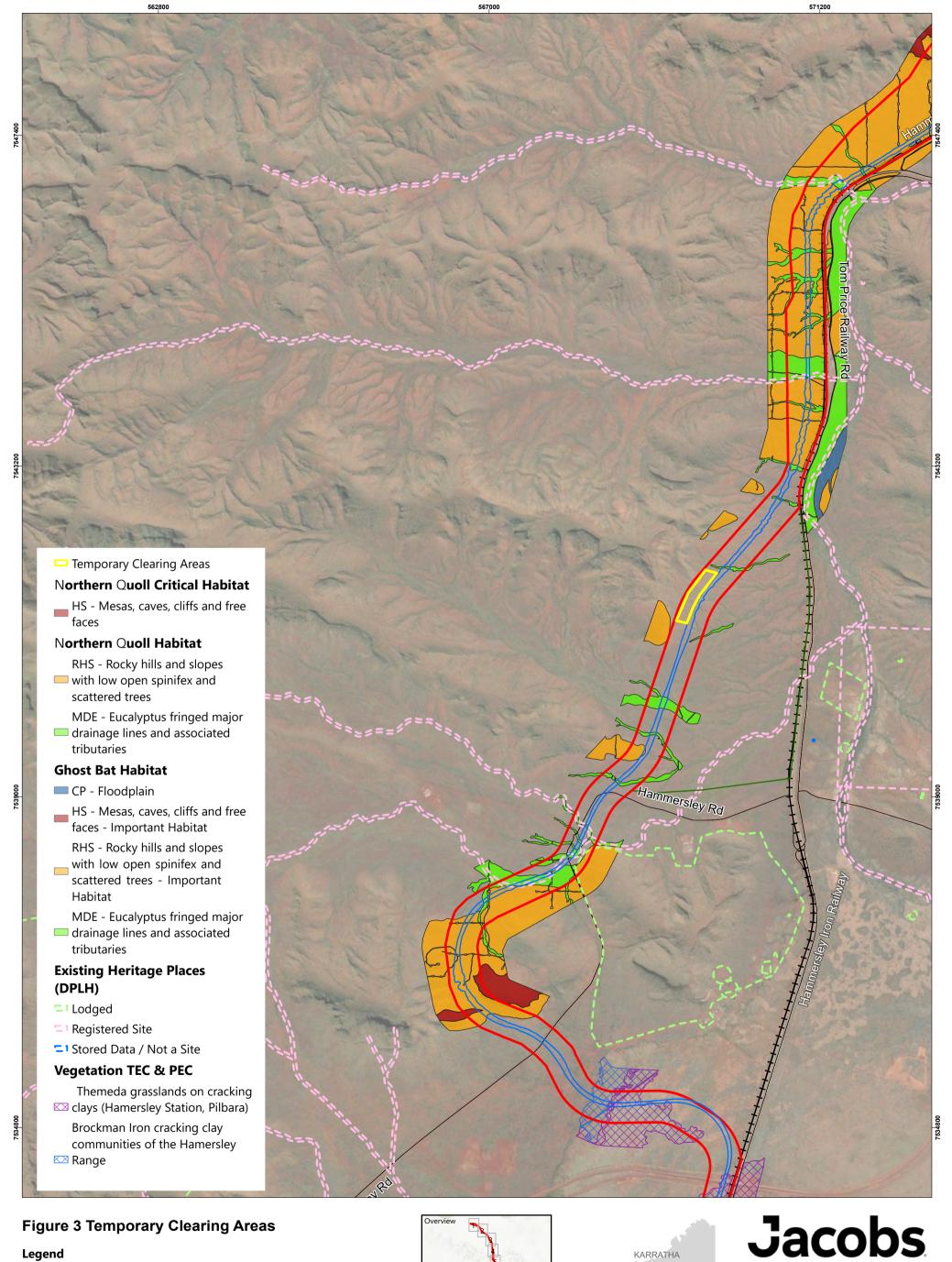






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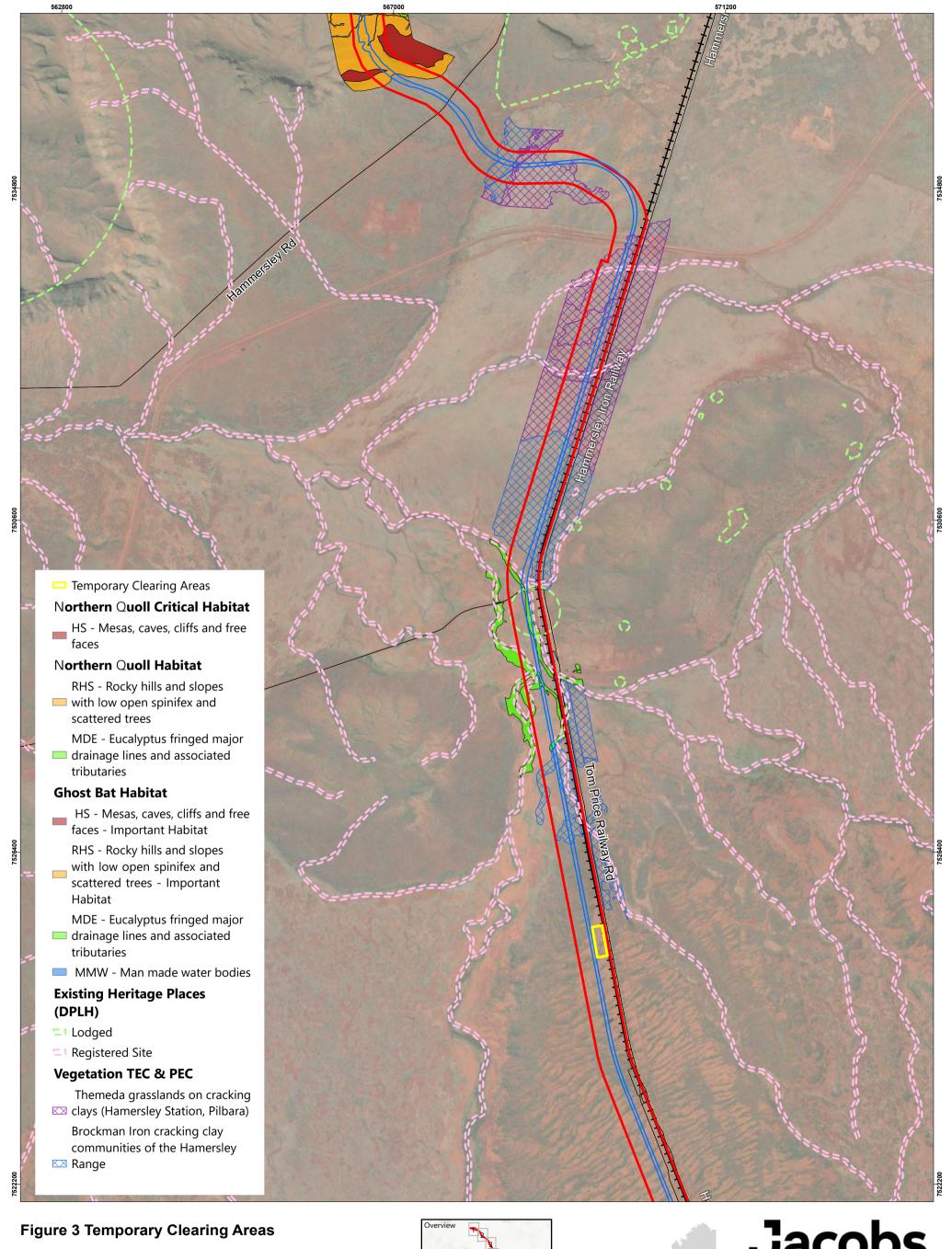




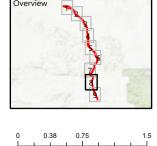


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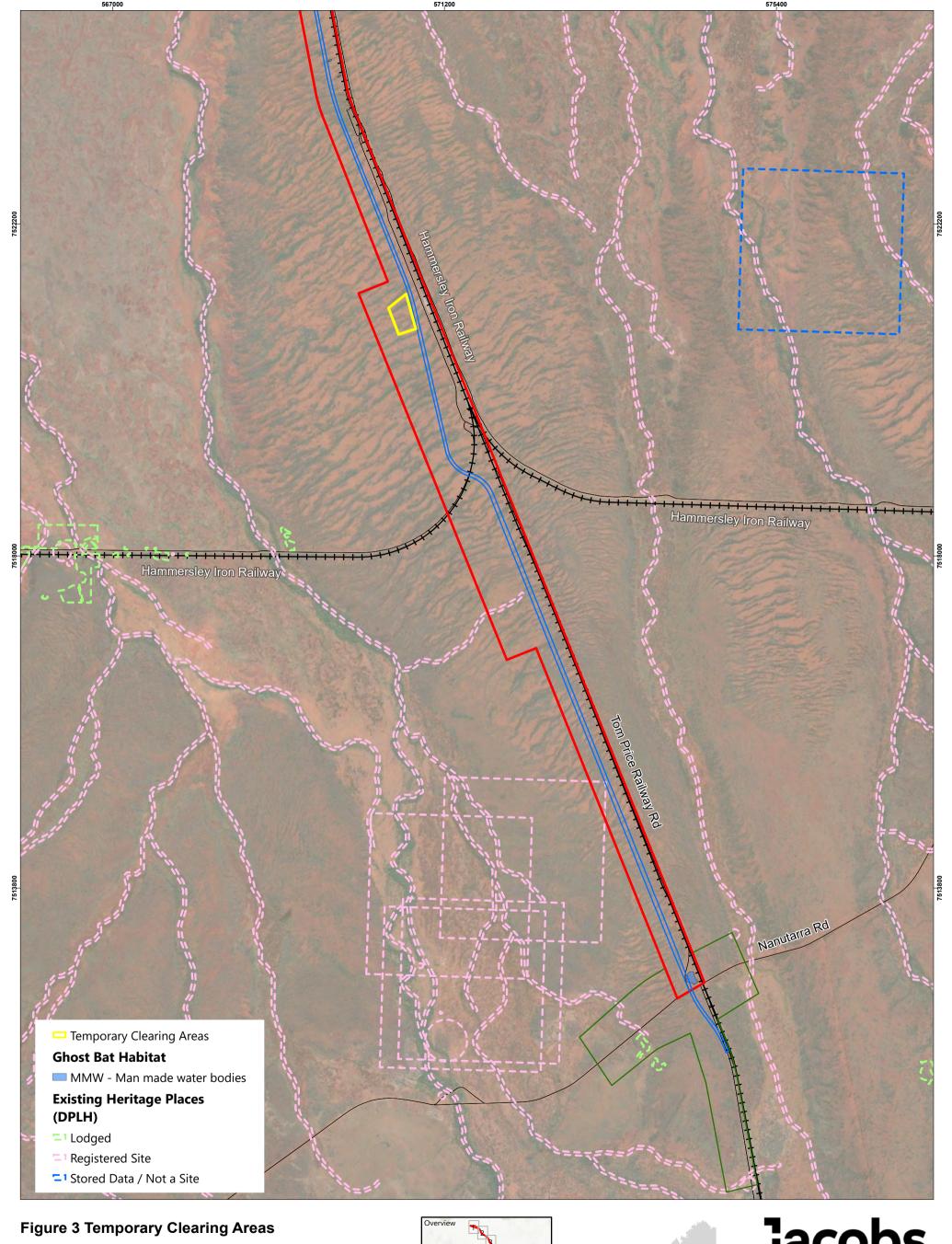
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- → Railways
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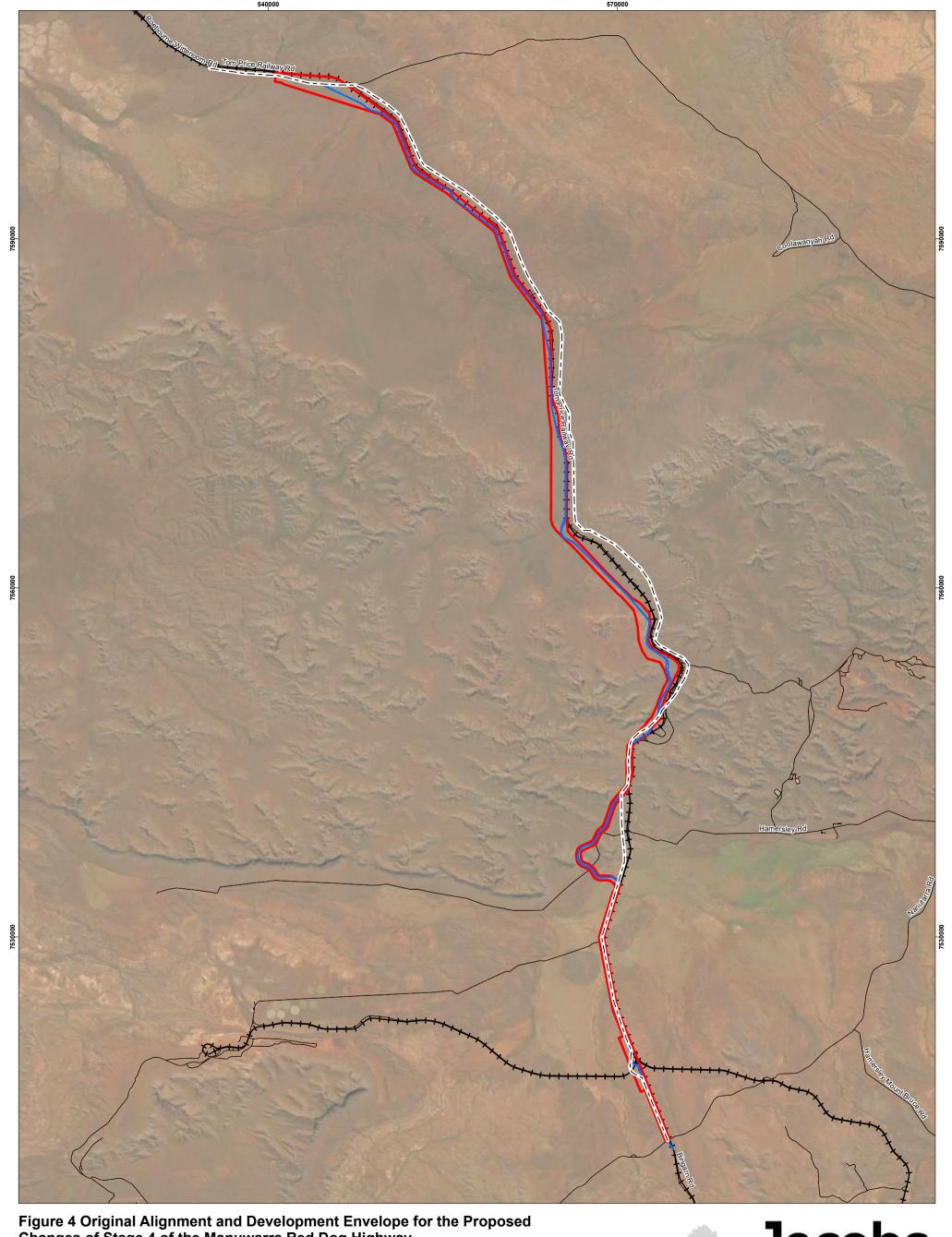


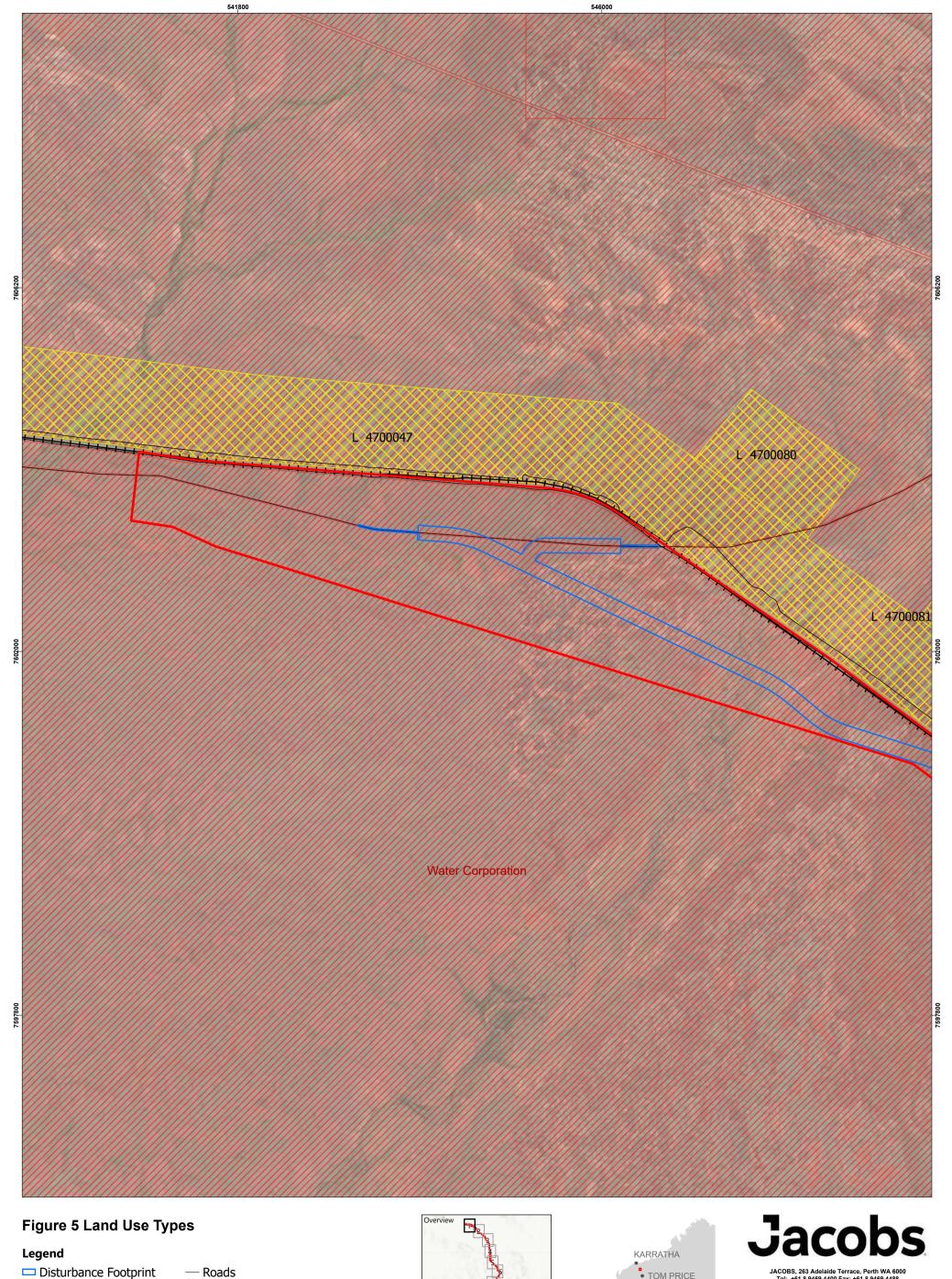
Figure 4 Original Alignment and Development Envelope for the Proposed Changes of Stage 4 of the Manuwarra Red Dog Highway

- Approximate Stage 4 Alignment as Approved under MS677
- → Railways
- Roads
- Disturbance Footprint
- Development Envelope



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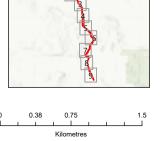


■ Development Envelope

+ Railways

Miscellaneous License

Crown Reserve Land



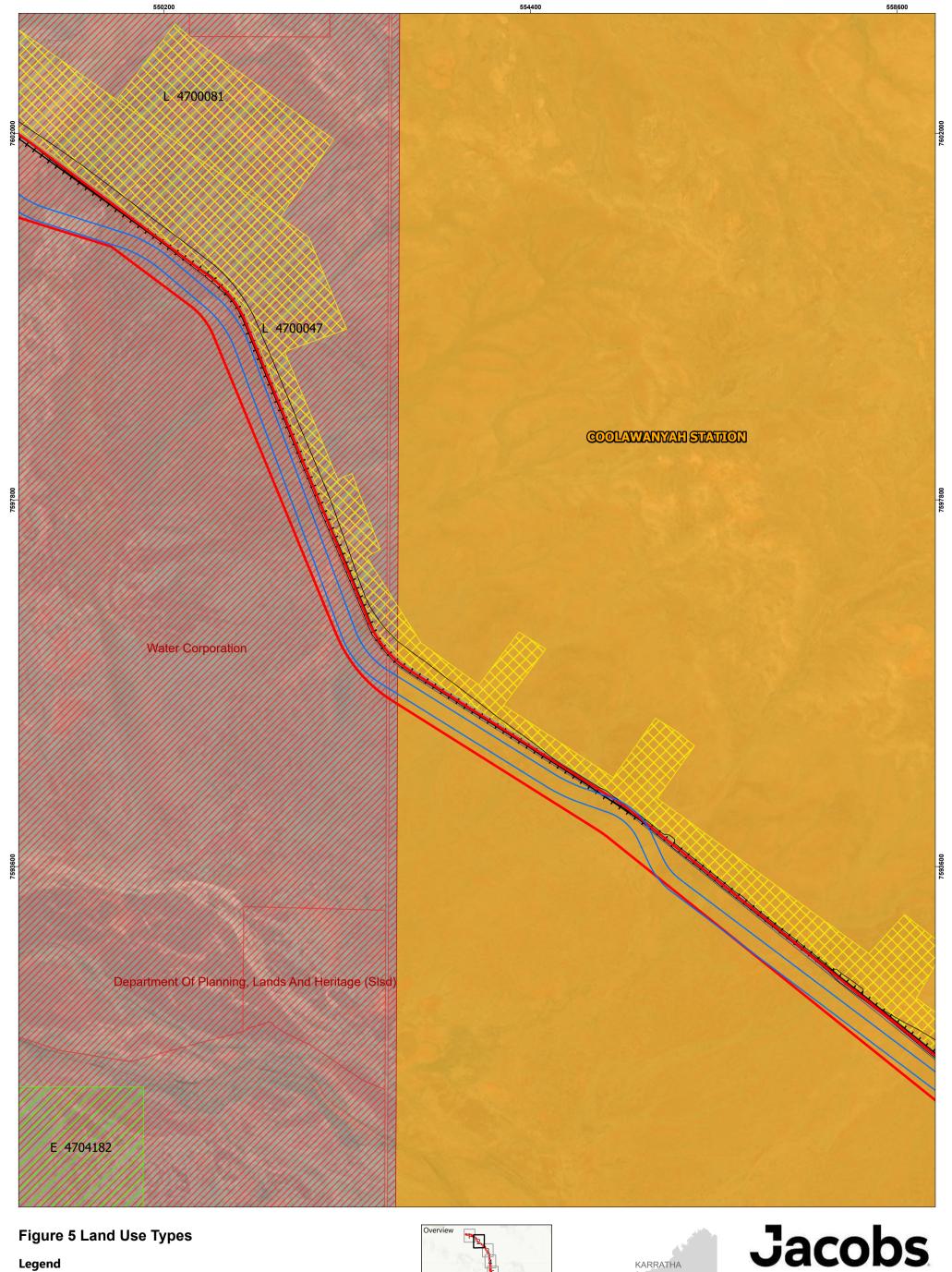


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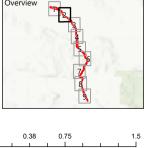
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- ☐ Disturbance Footprint
- Development Envelope
- + Railways
- Miscellaneous License
- Exploration License
- Crown Reserve Land
- Pastoral Leases



Kilometres



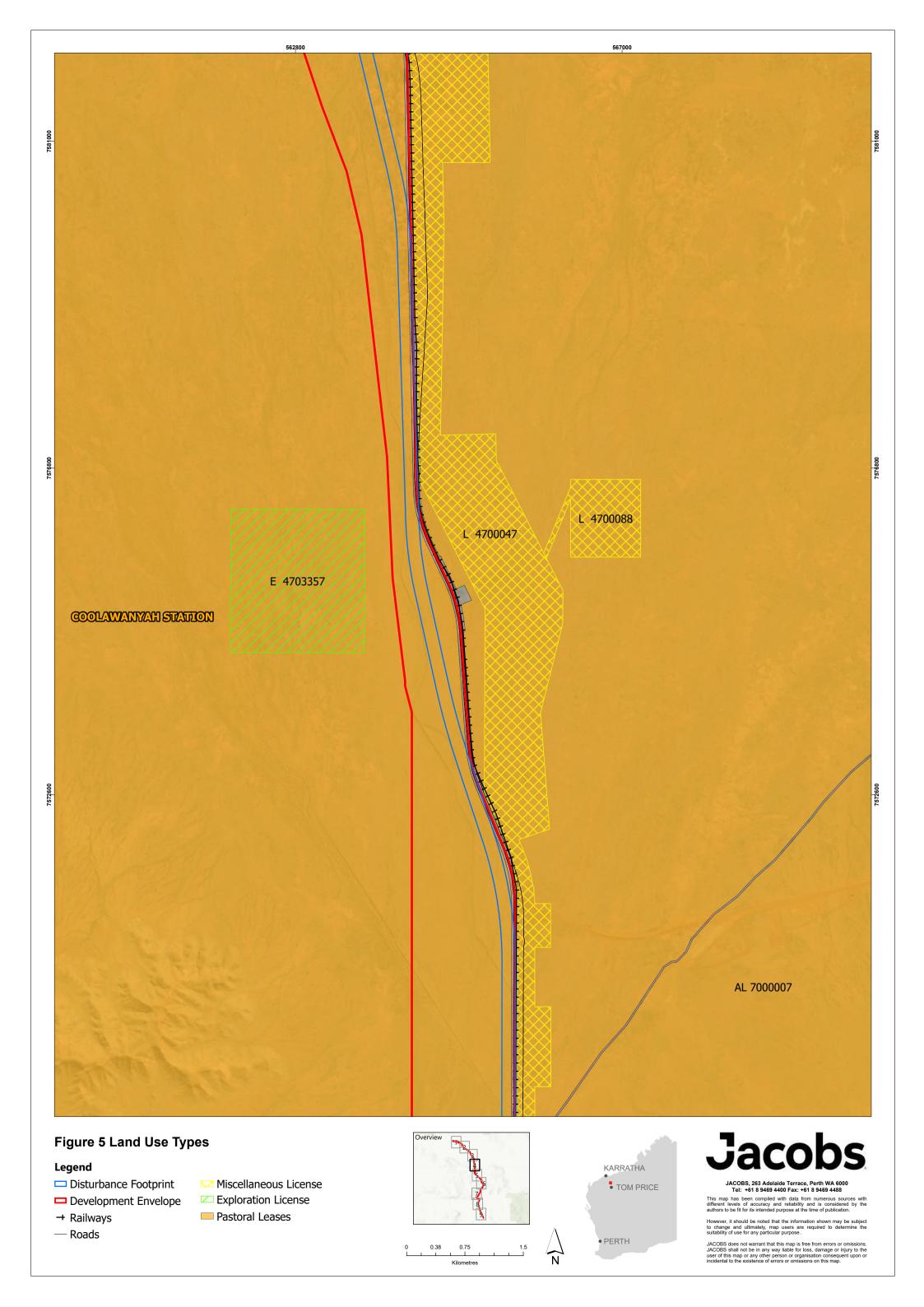


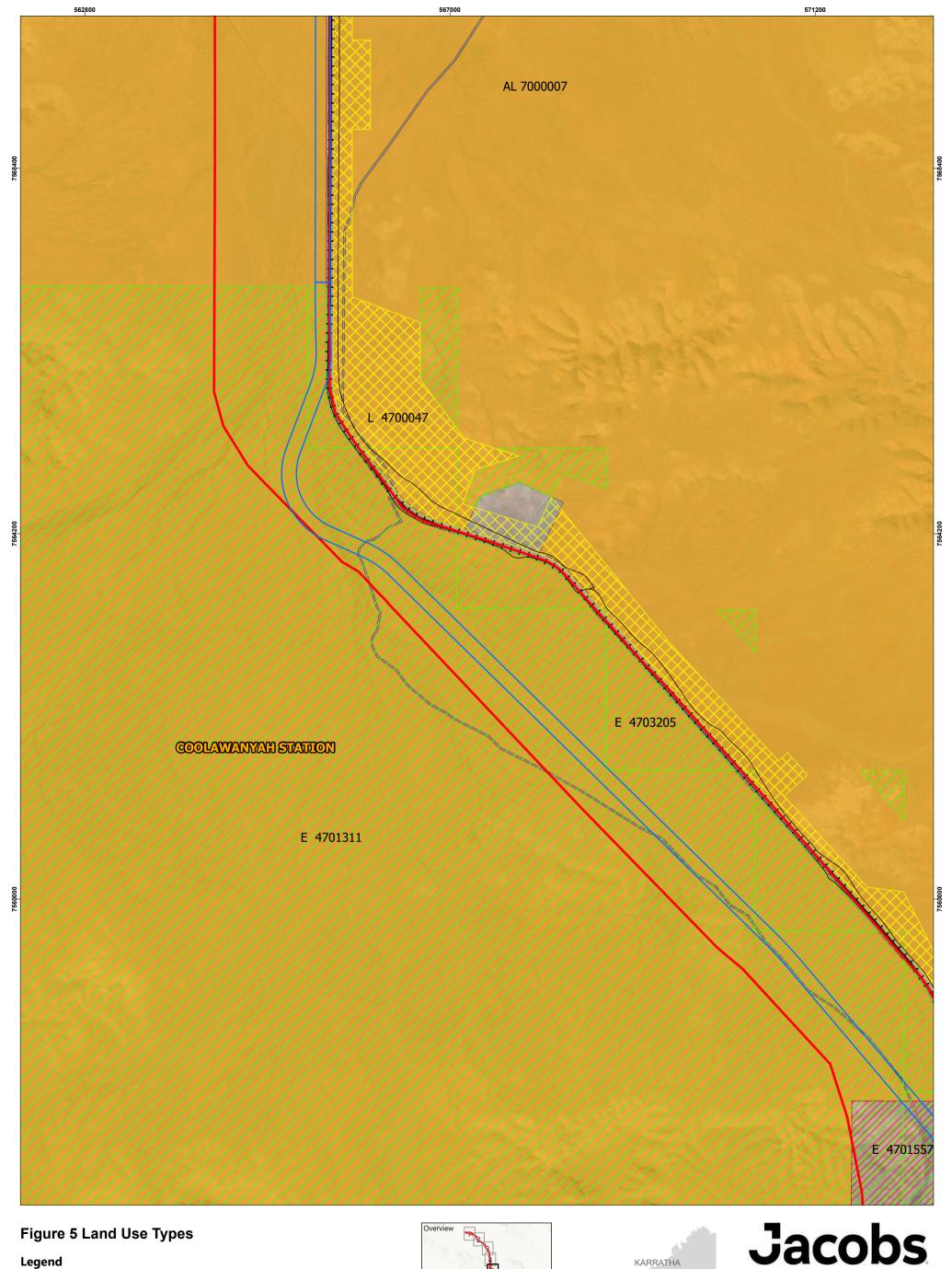
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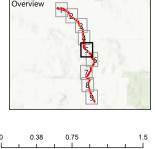
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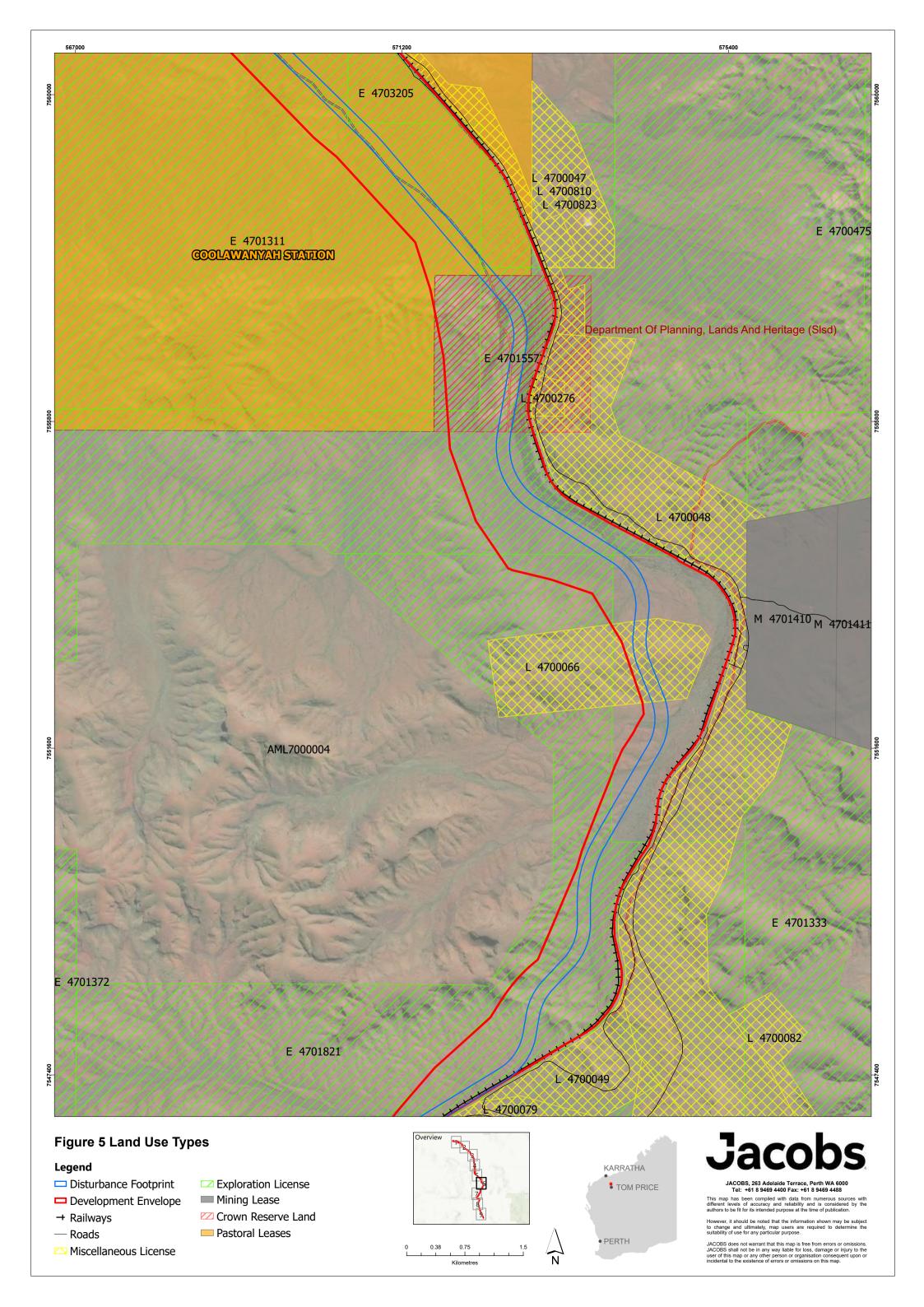
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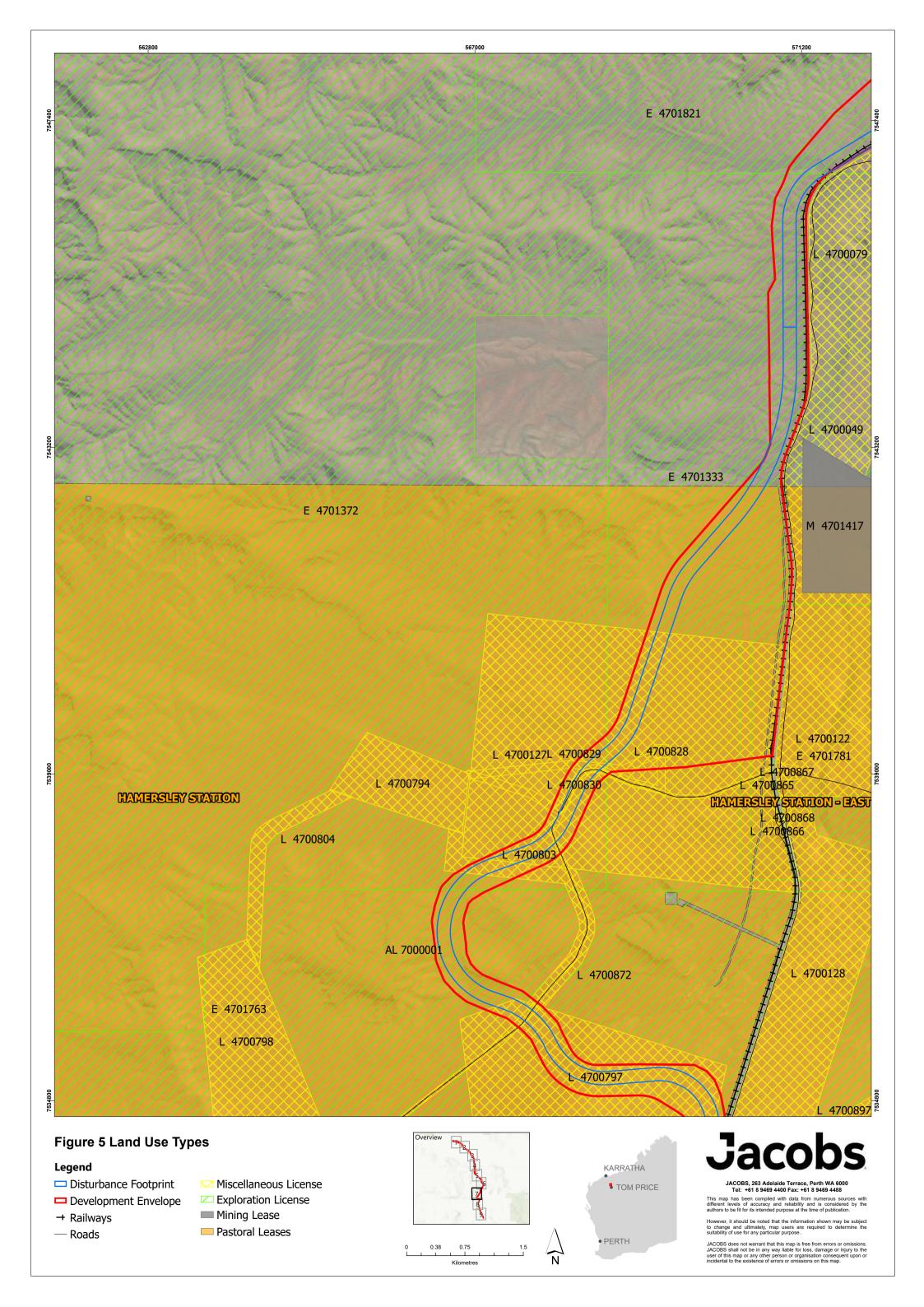


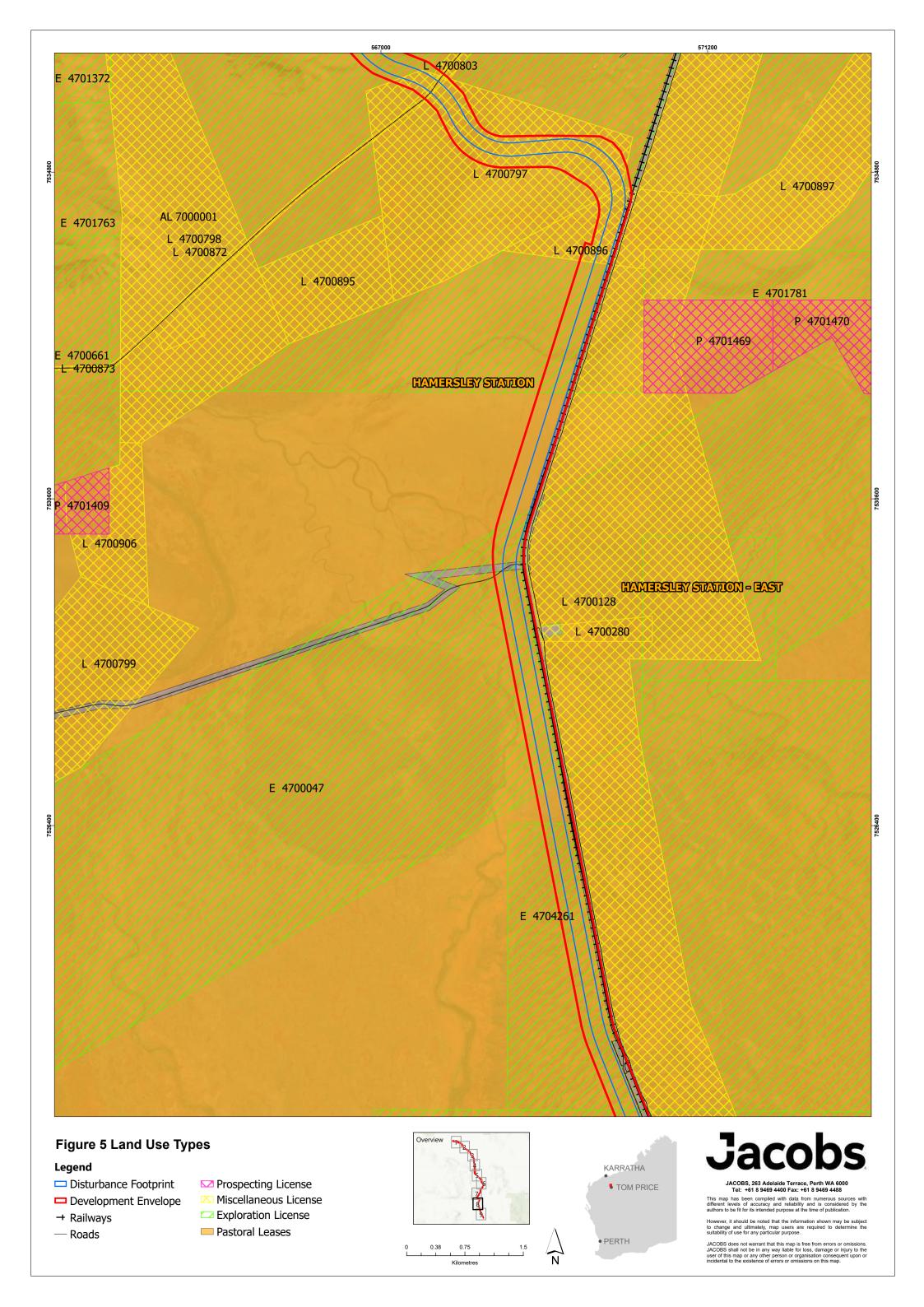
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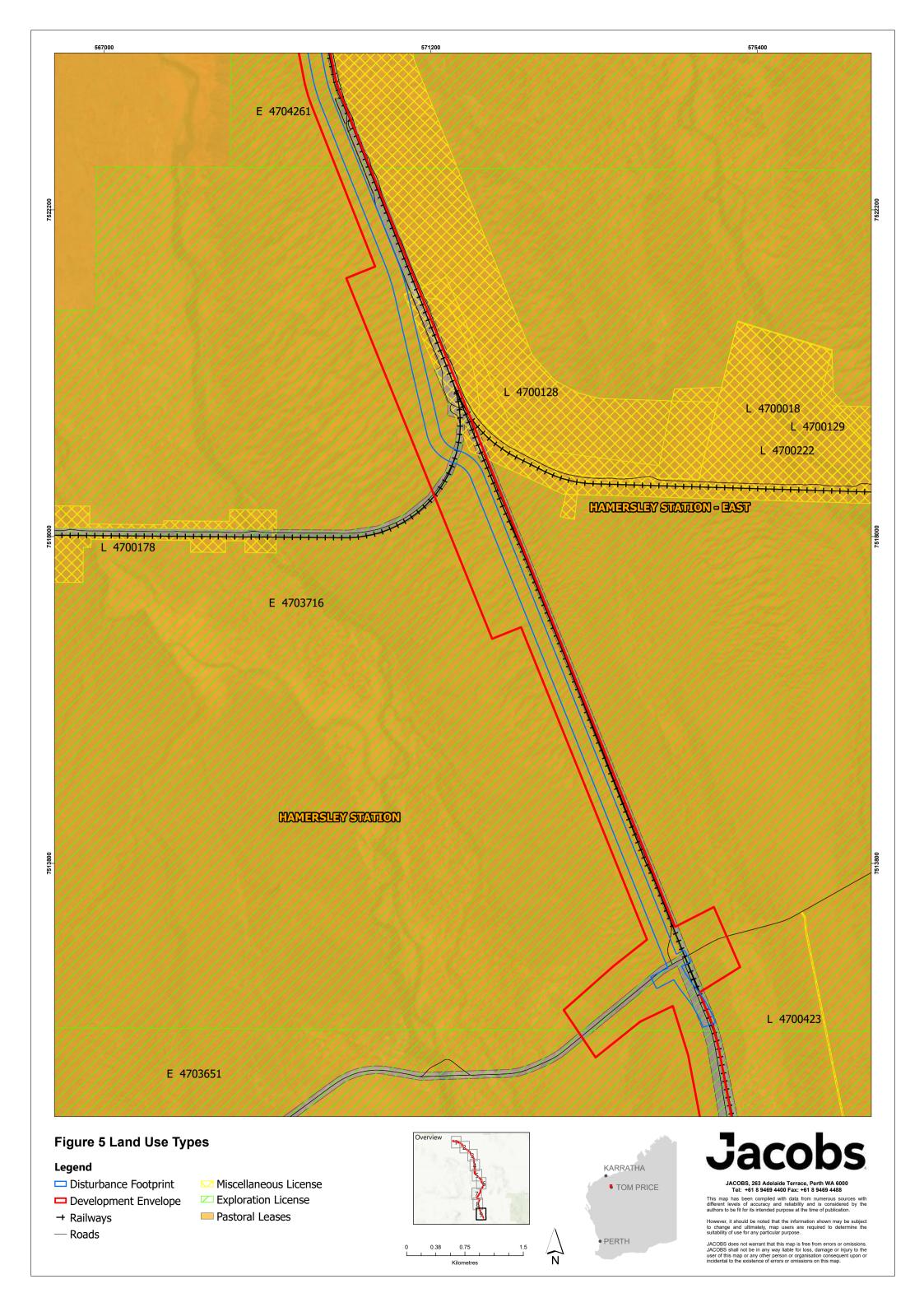
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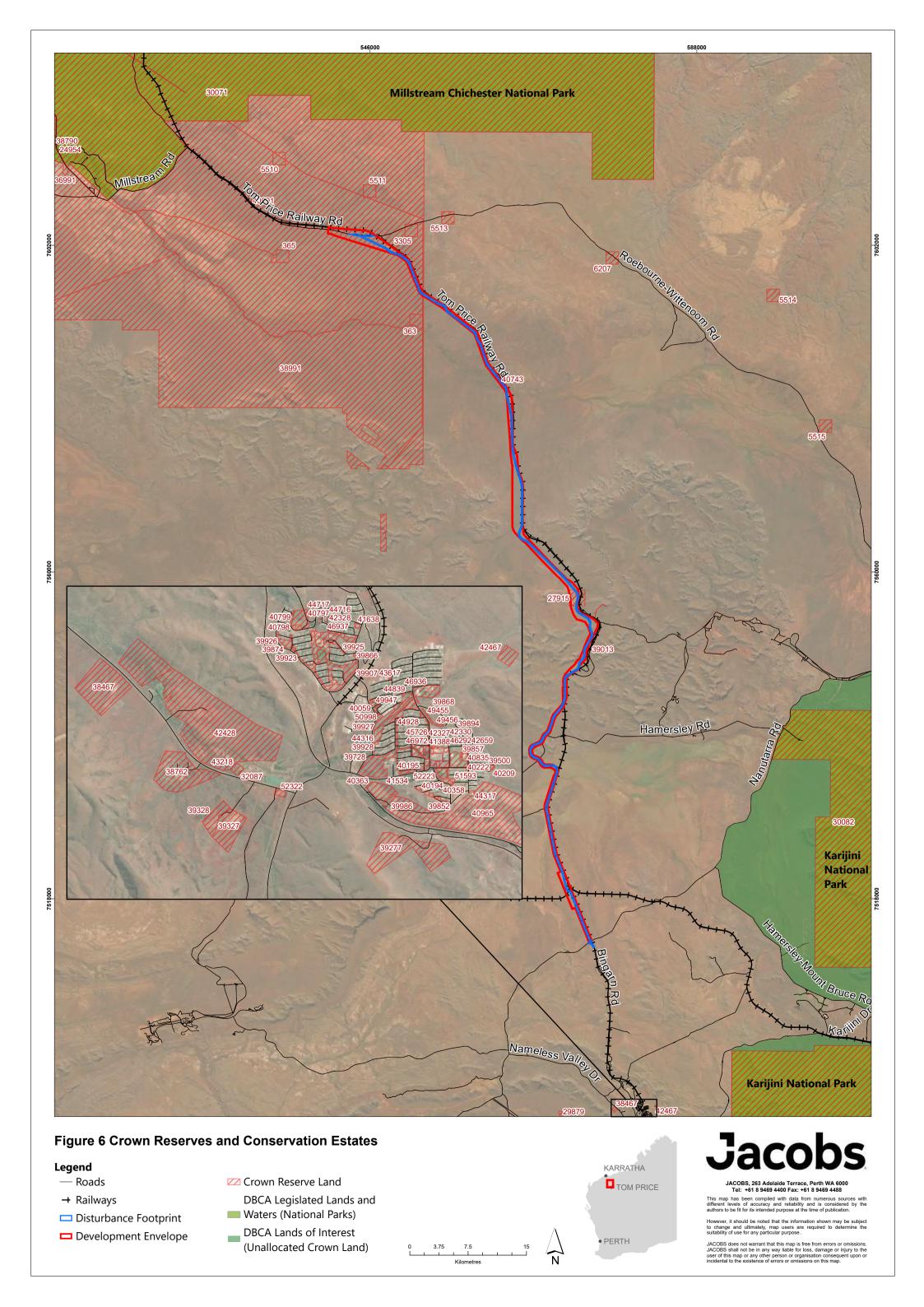
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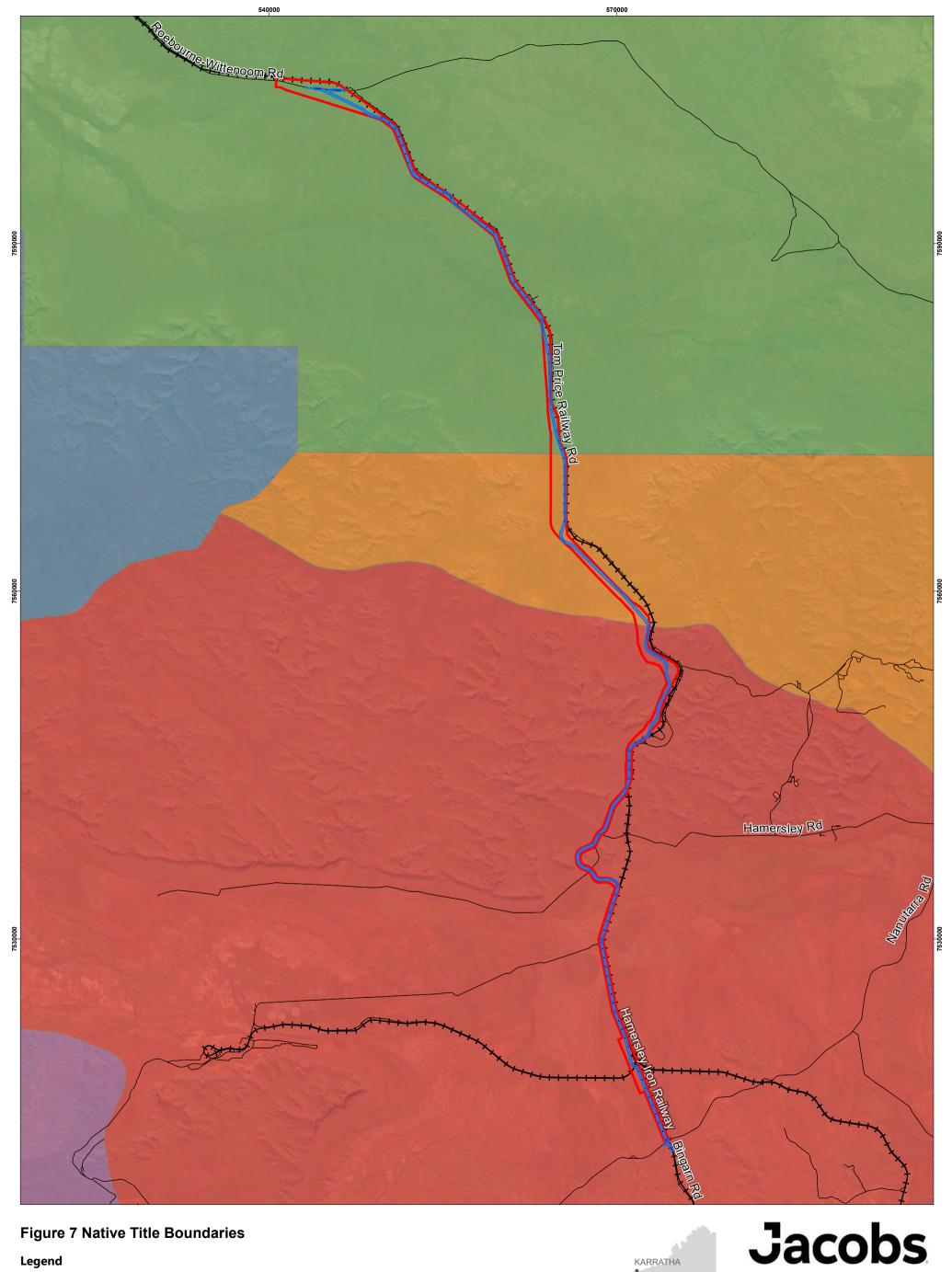












Roads → Railways Disturbance Footprint Development Envelope Railways Eastern Guruma Kuruma Marthudunera (Part A) Ngarluma / Yindjibarndi Puutu Kunti Kurrama and Pinikura Yindjibarndi #1



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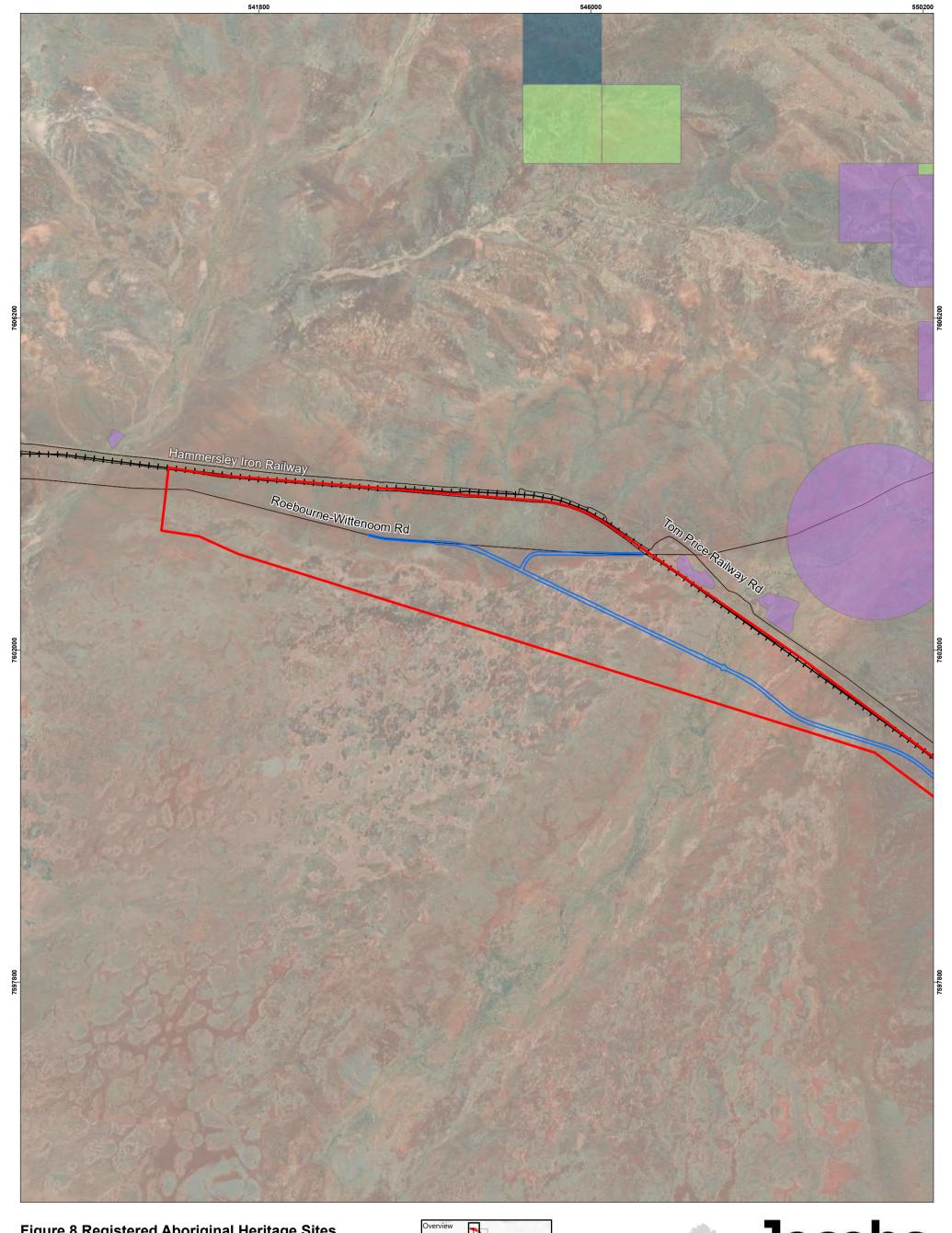
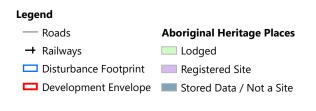
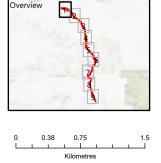


Figure 8 Registered Aboriginal Heritage Sites







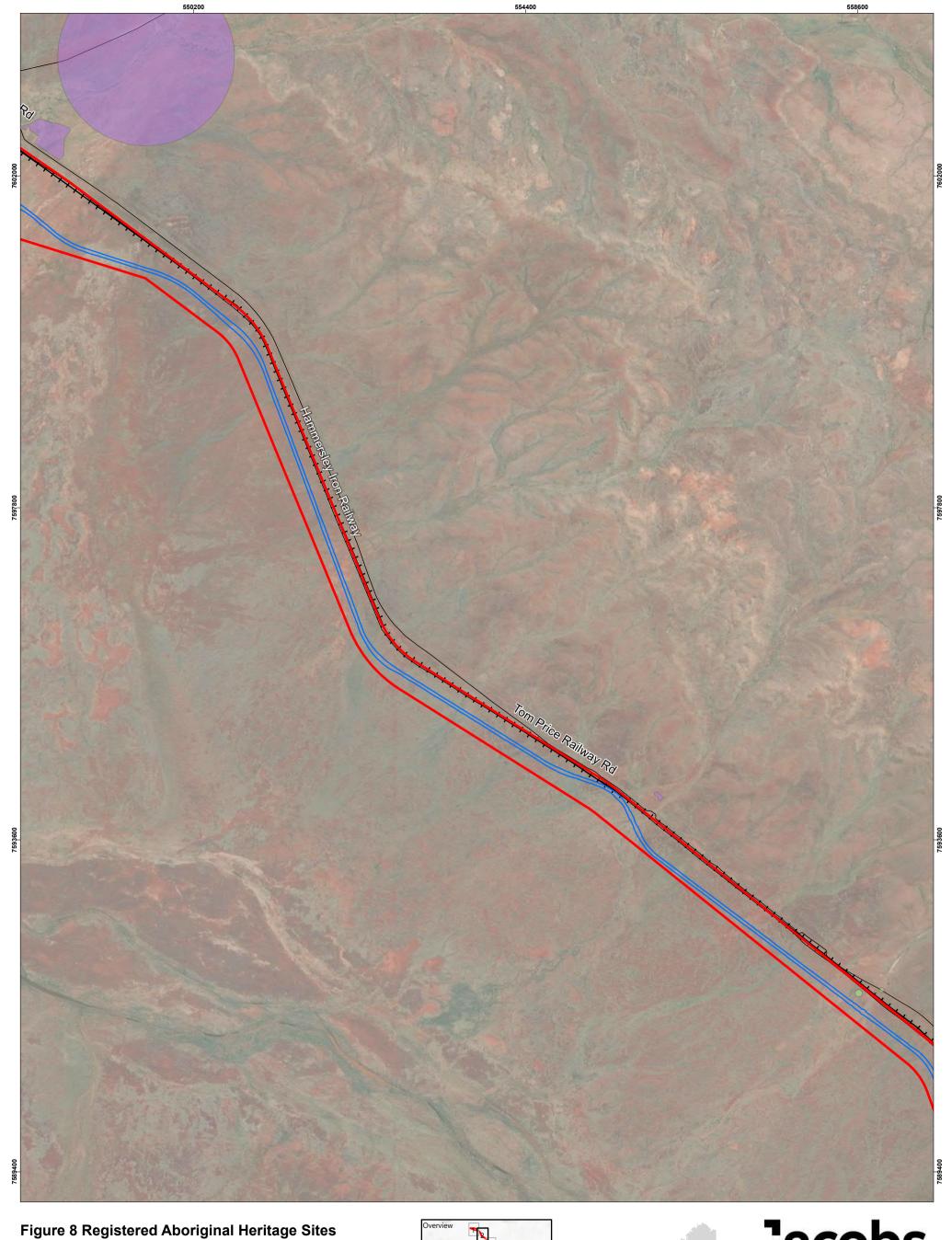
• PERTH

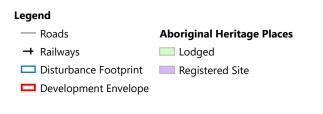


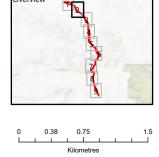
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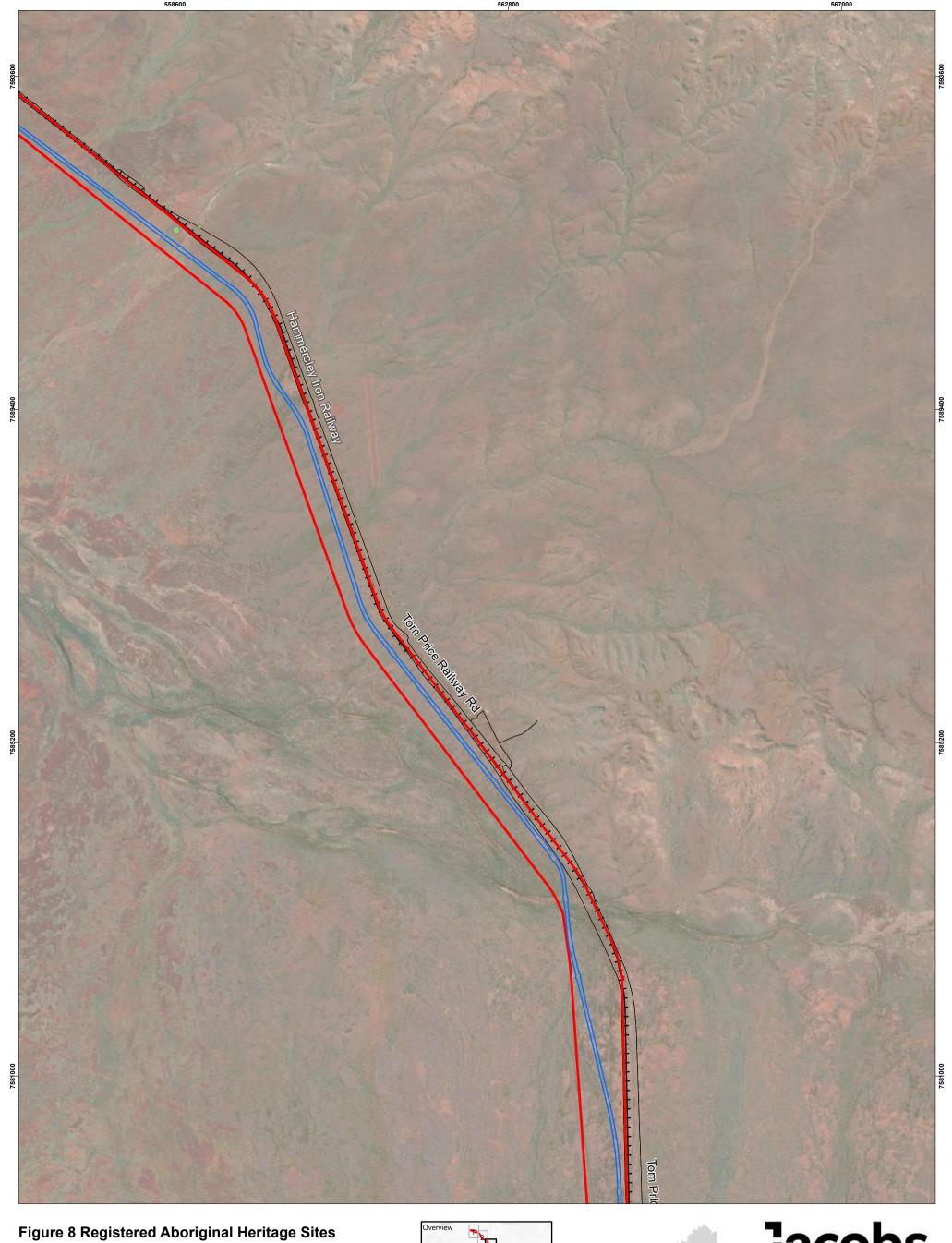




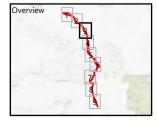
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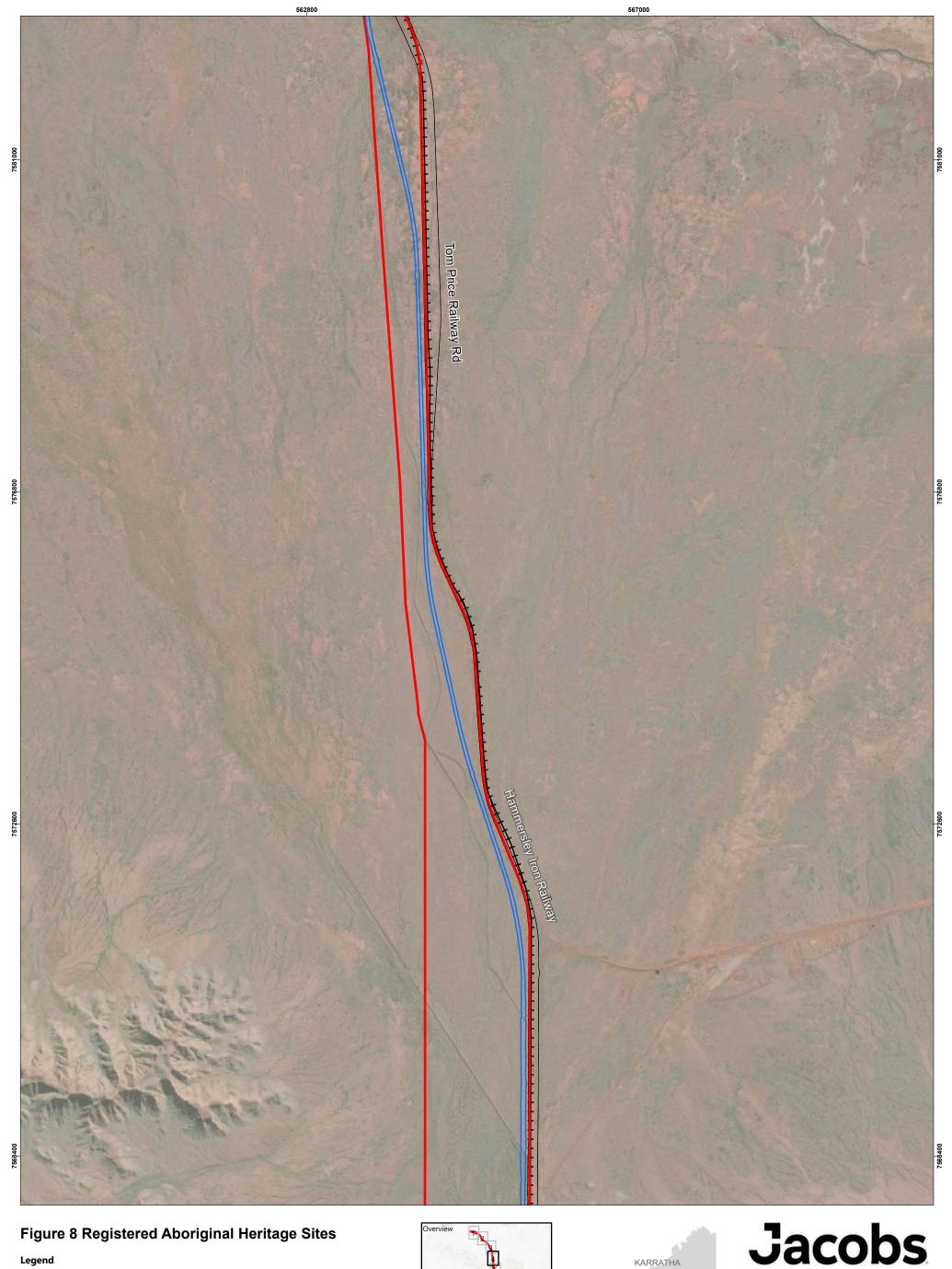
0.38 0.75 Kilometres



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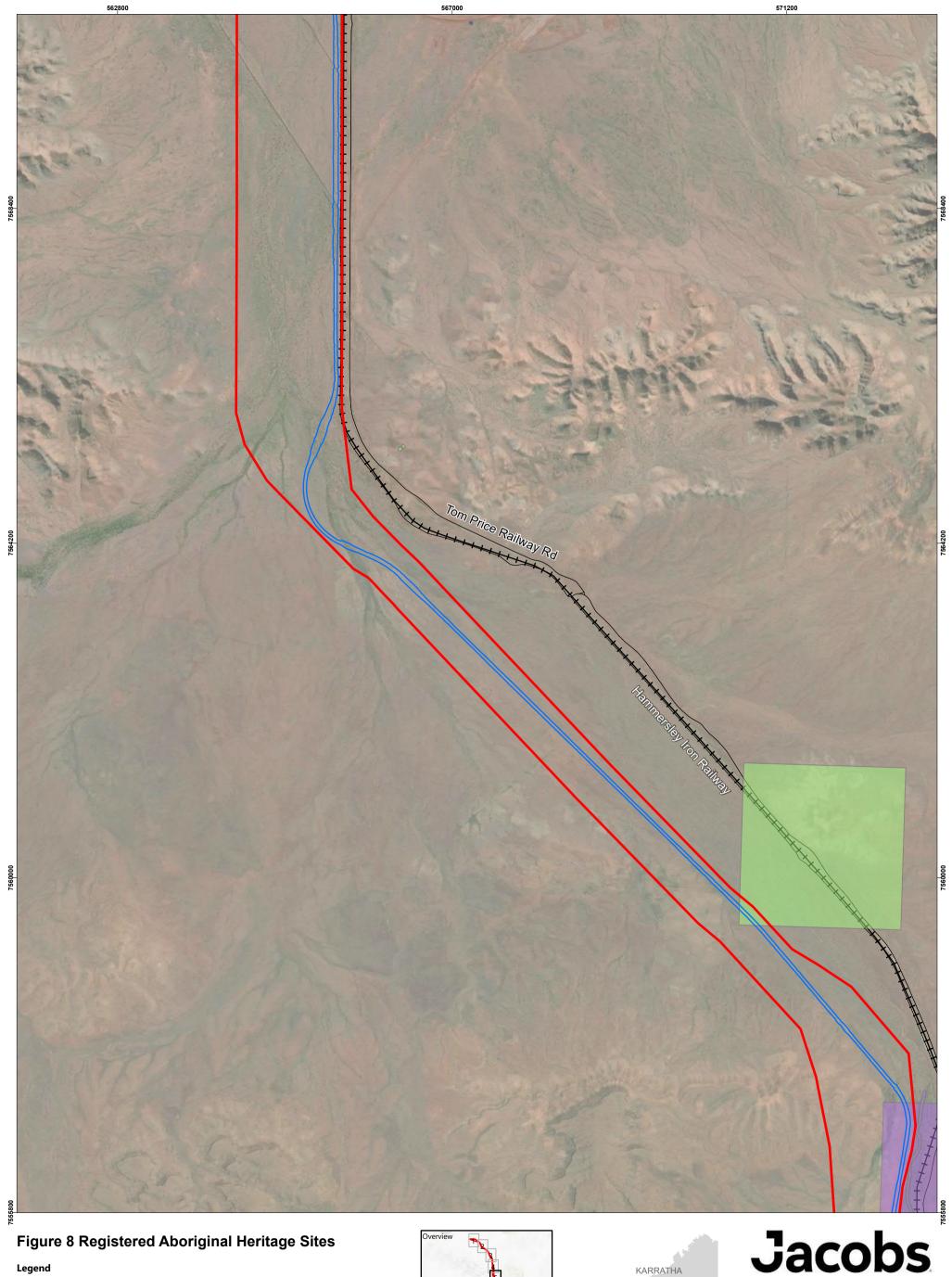


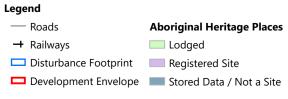


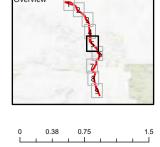
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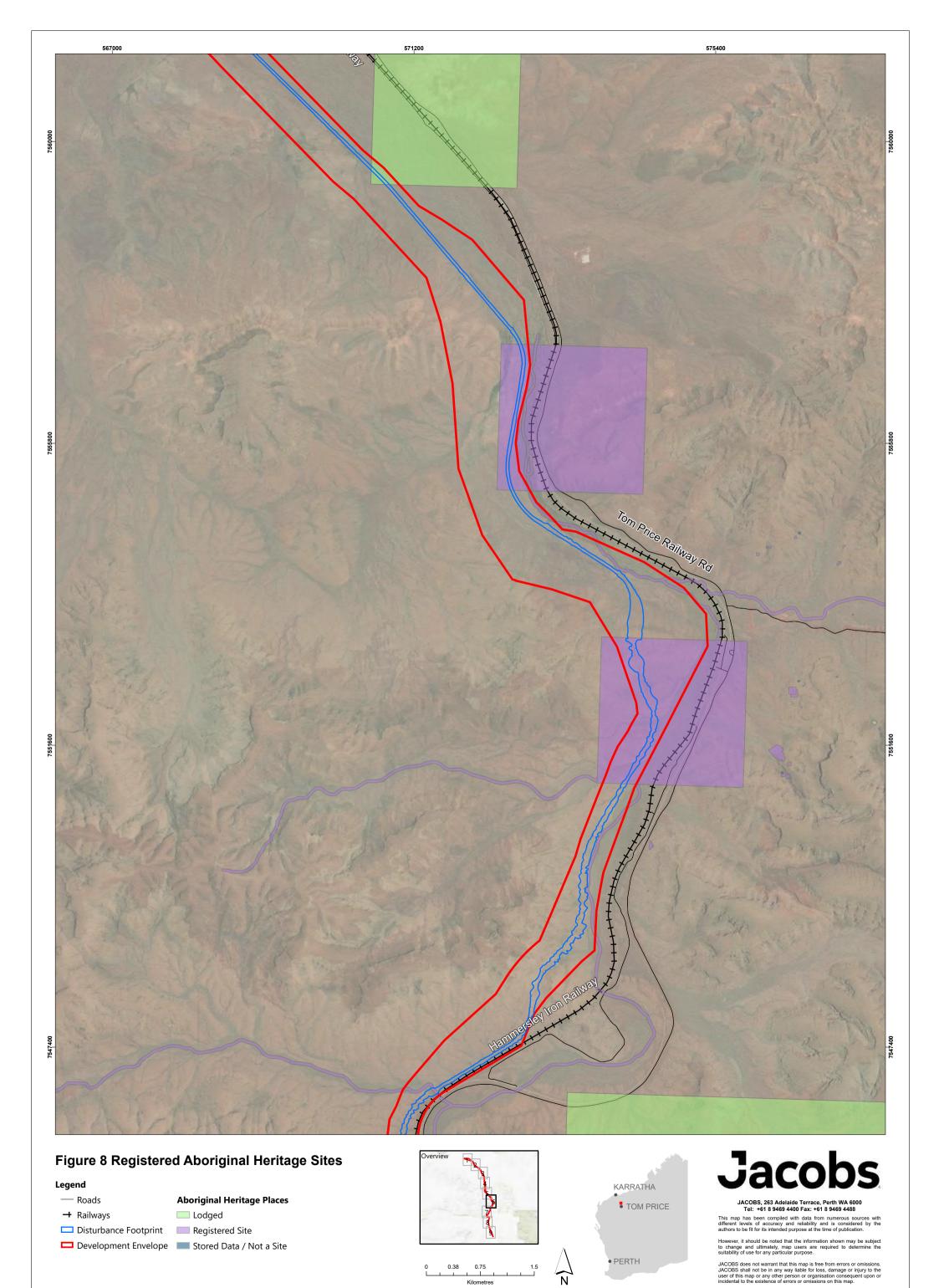


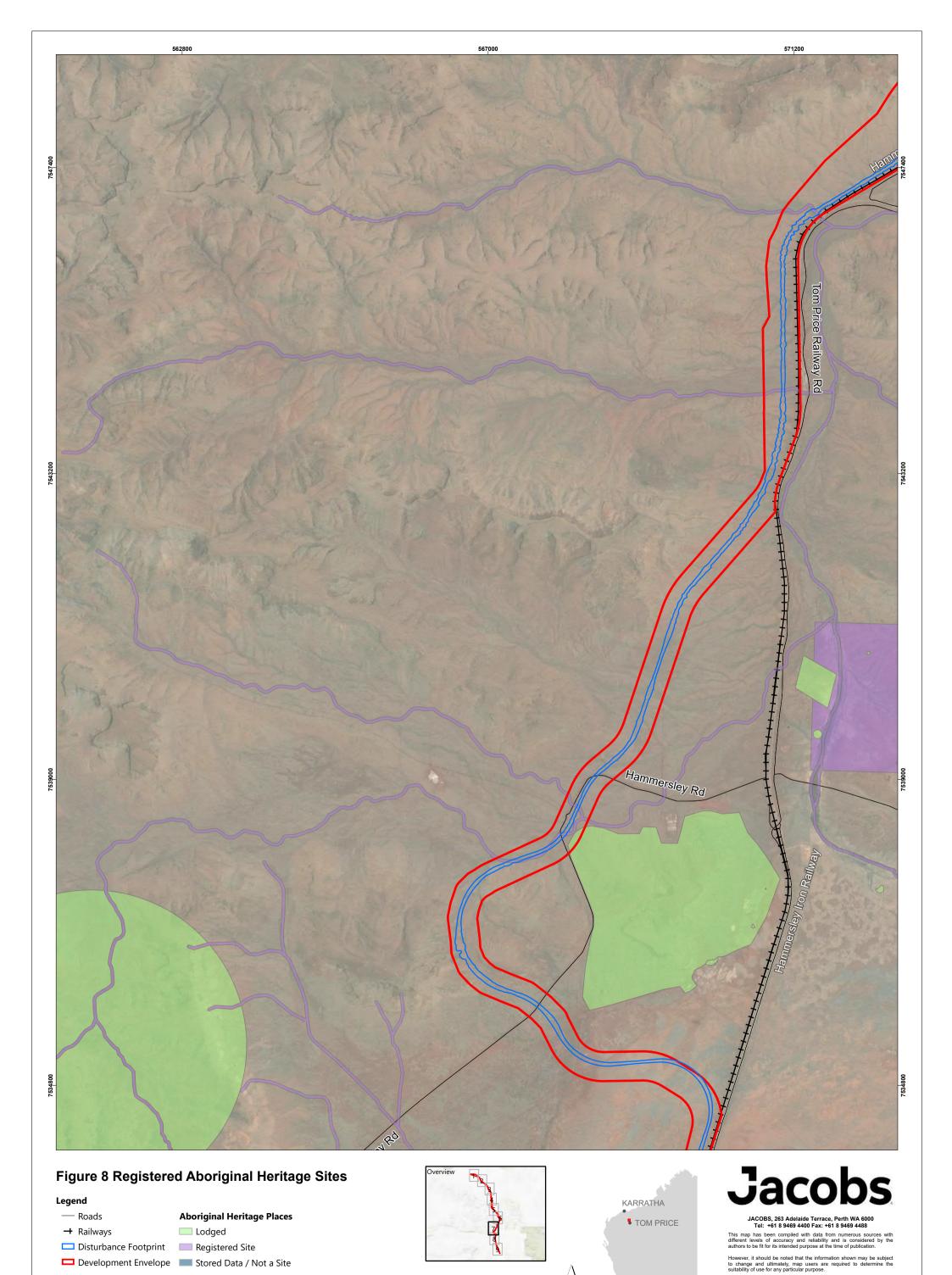


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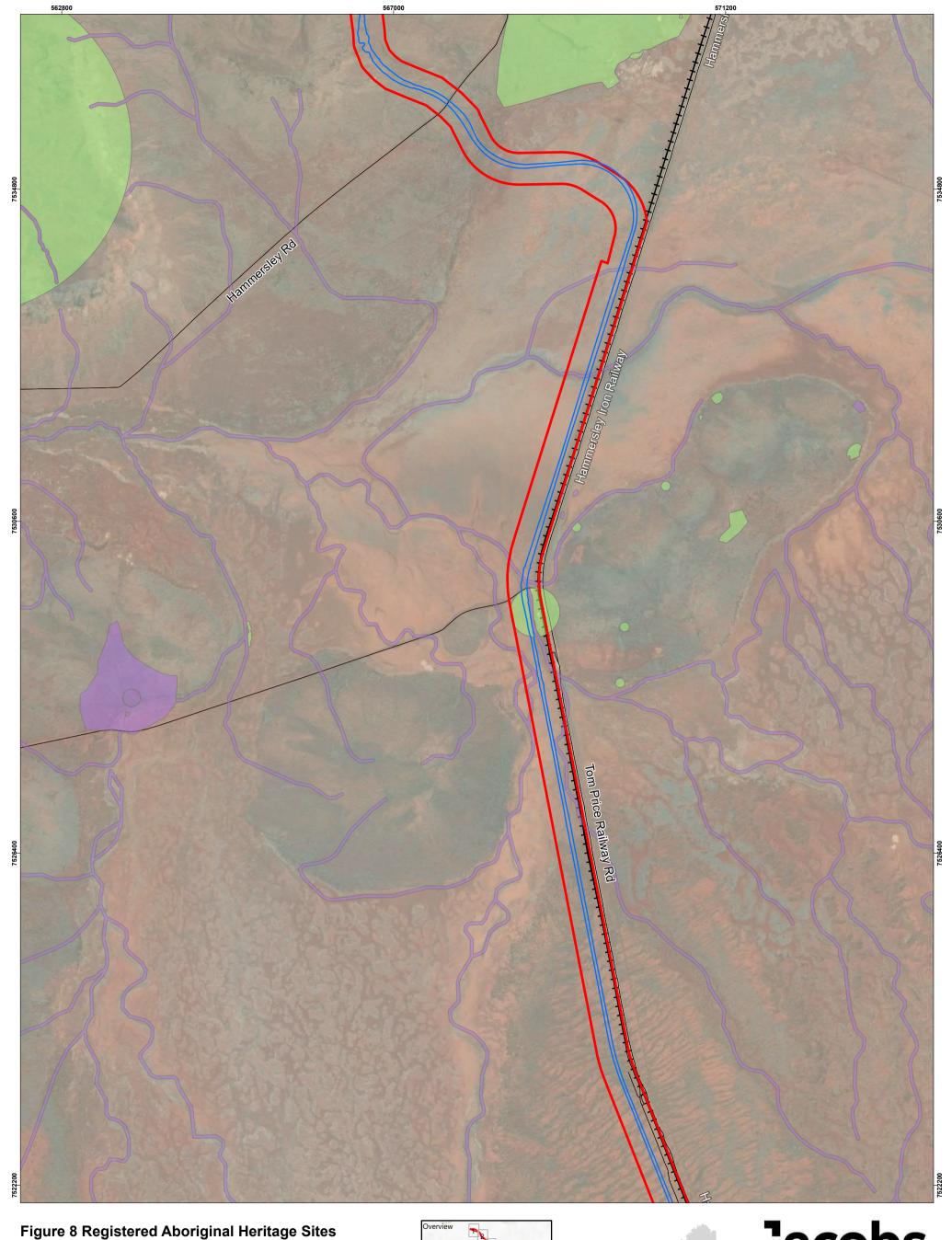
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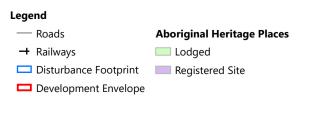
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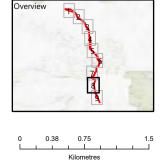




0.38 0.75 Kilometres • PERTH







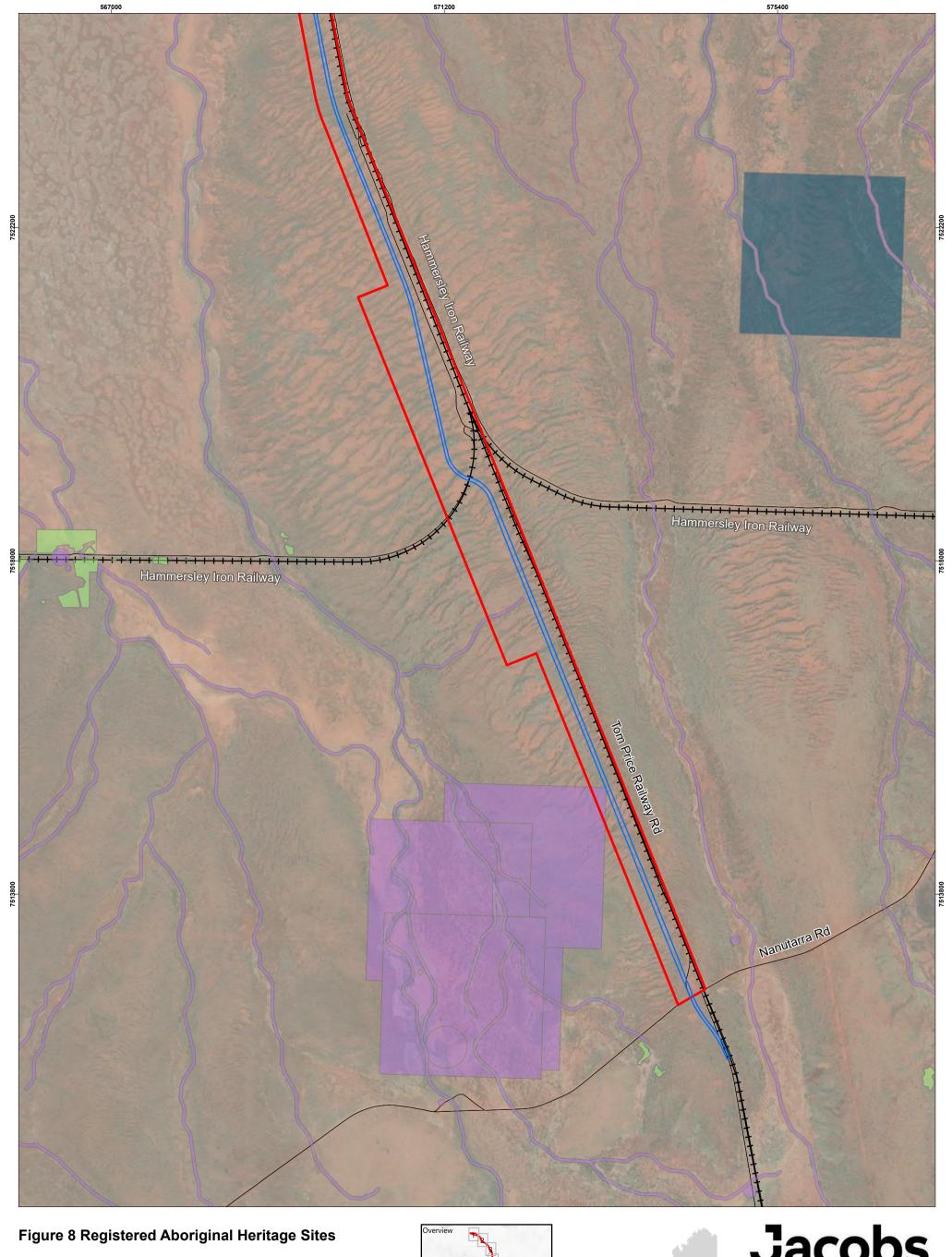


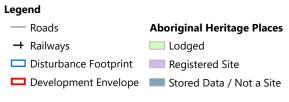
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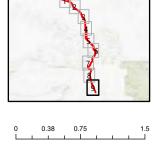
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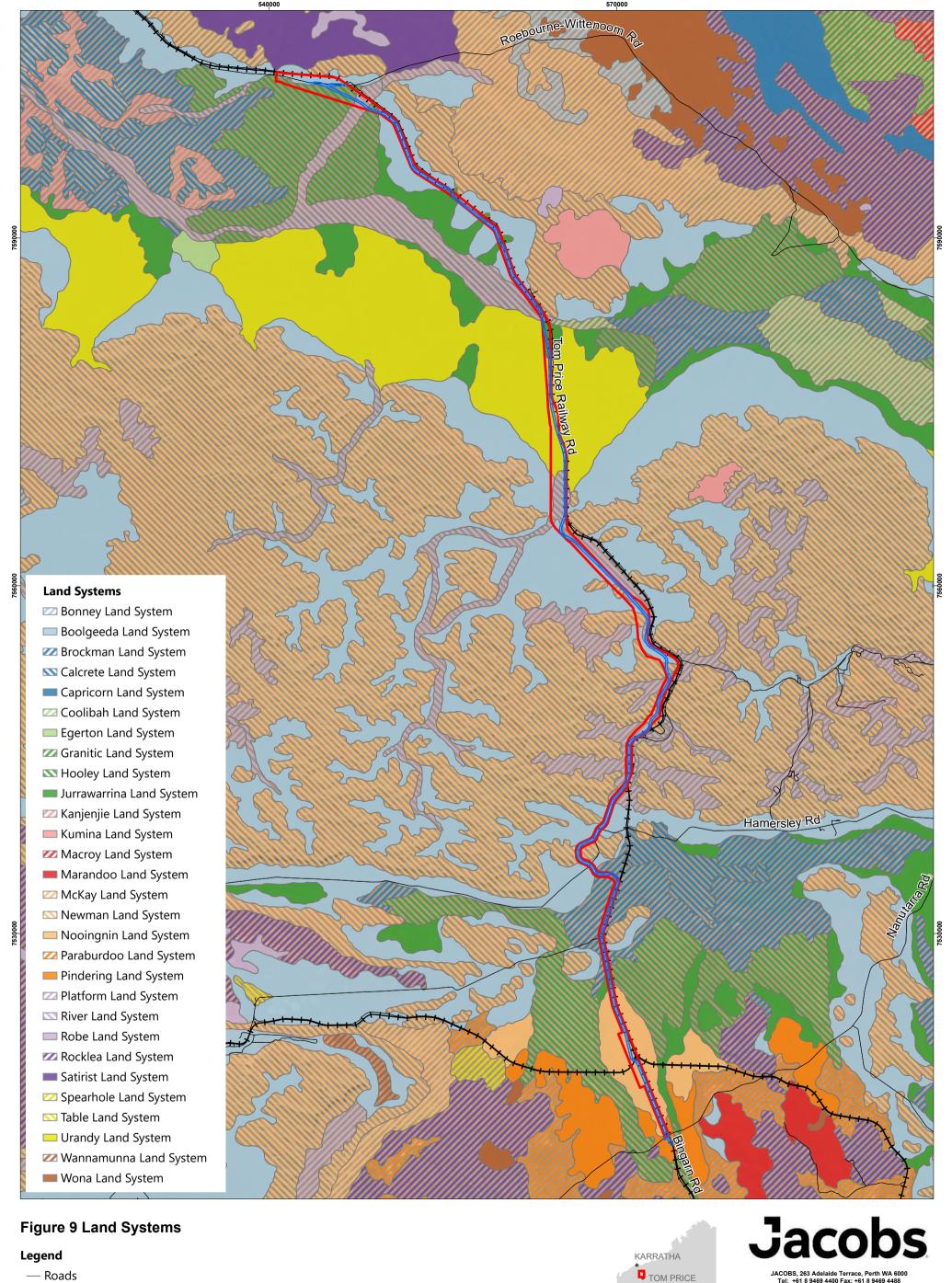


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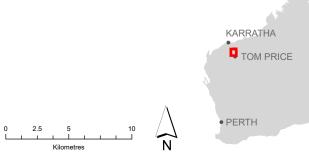
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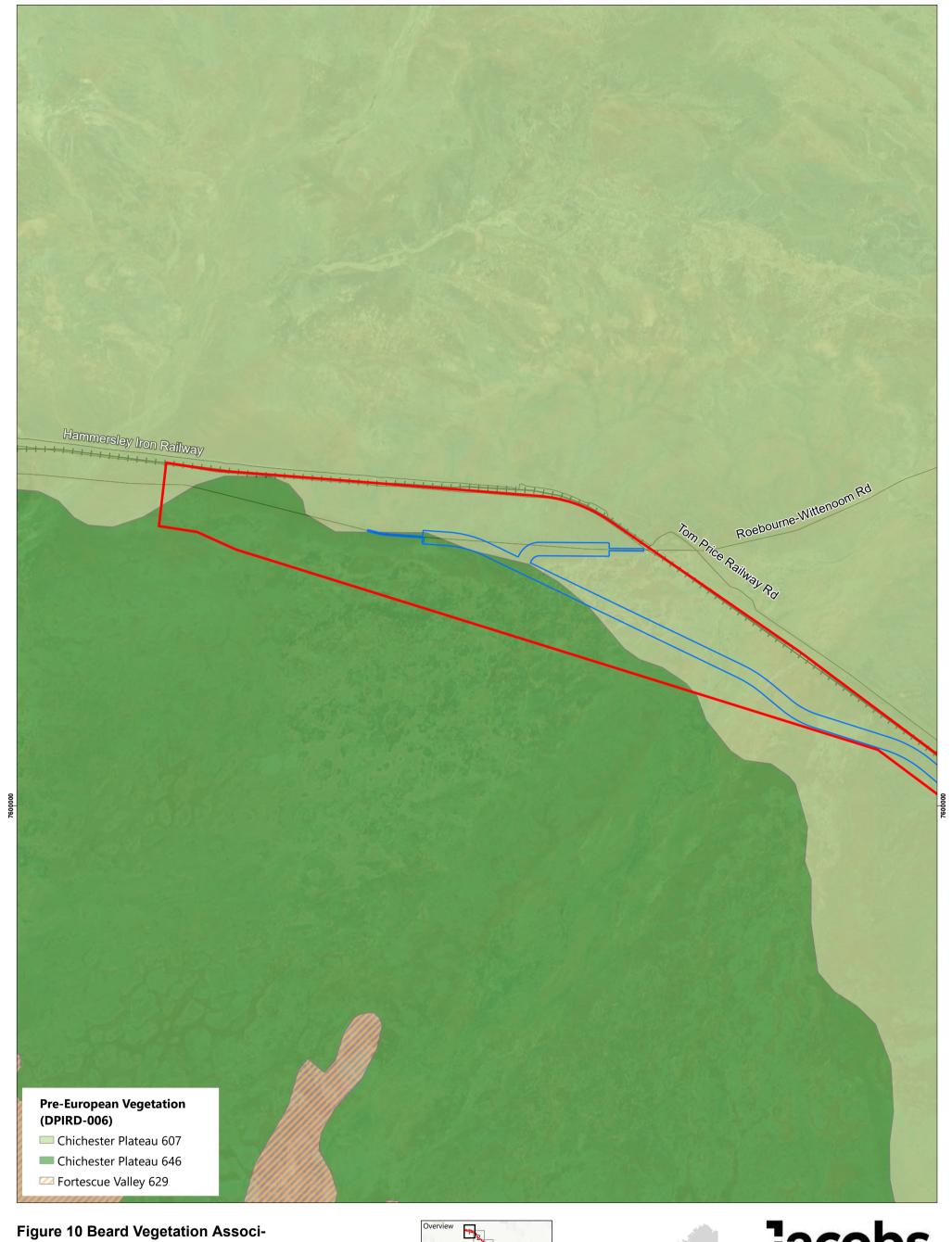


- + Railways
- □ Disturbance Footprint
- Development Envelope



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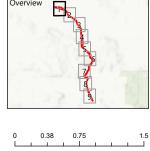
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ations

Legend

- + Railways
- -- Roads
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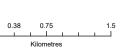
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Disturbance Footprint

□ Development Envelope



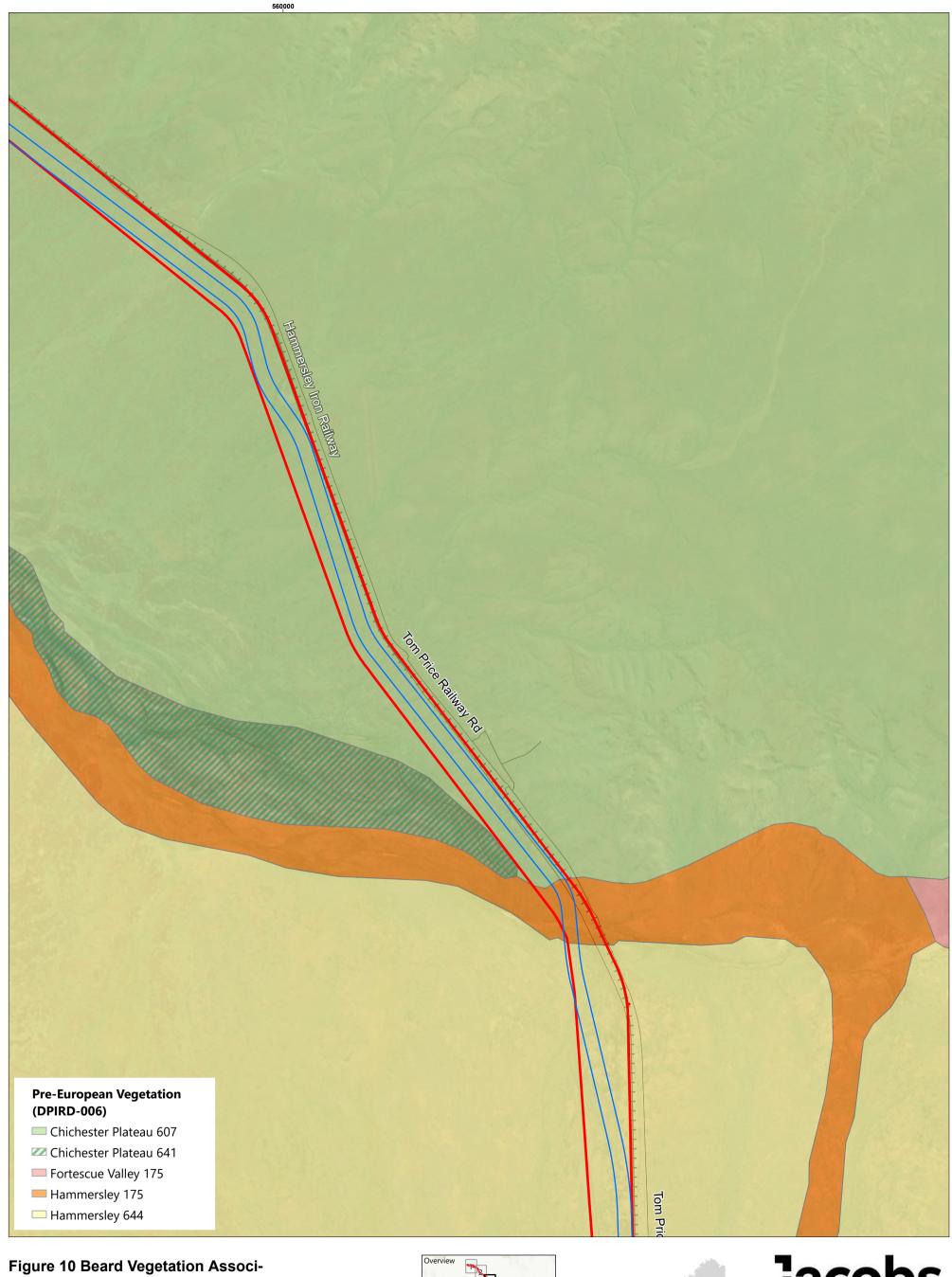




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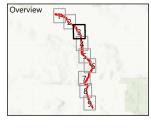
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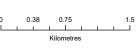


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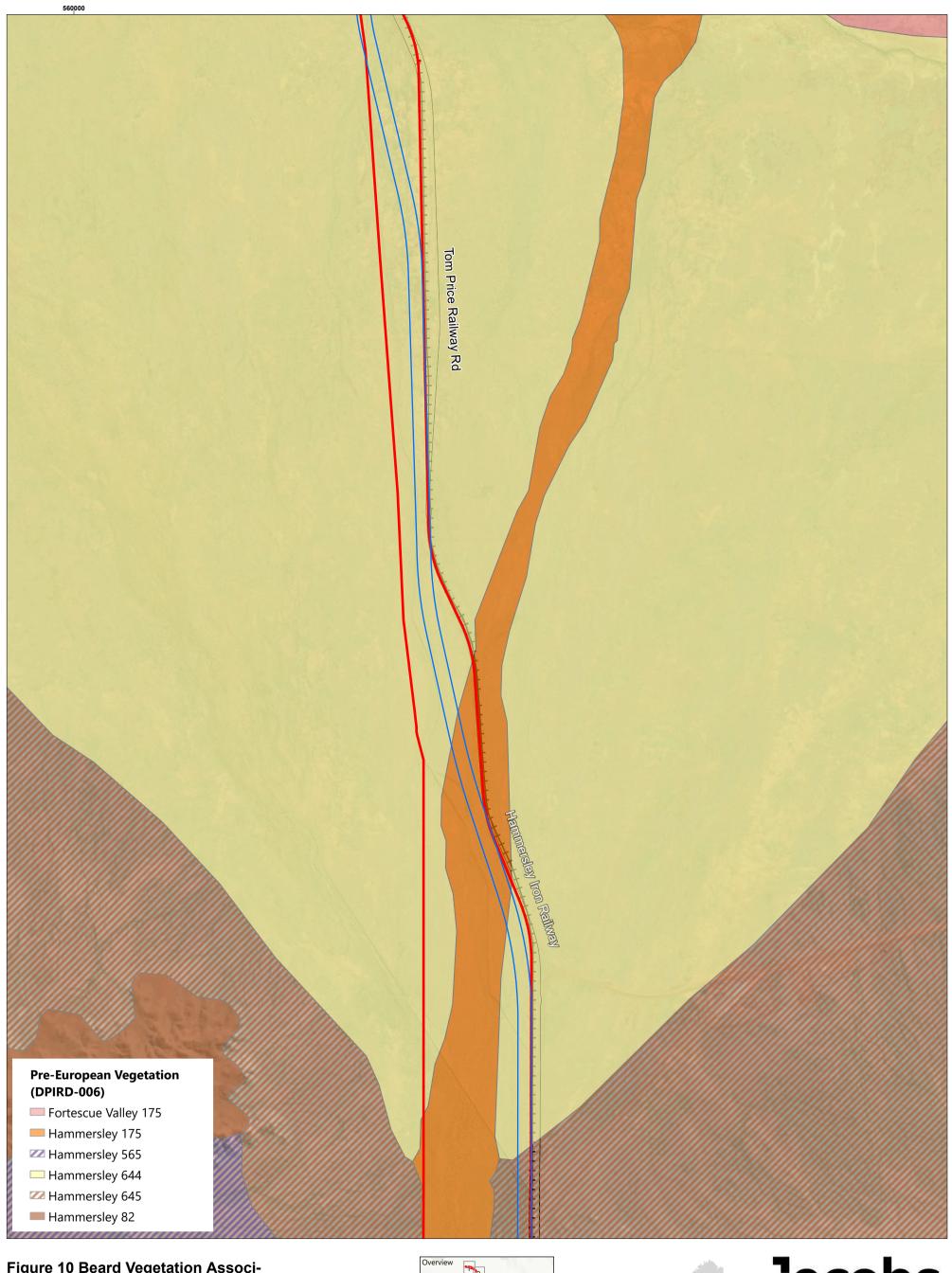
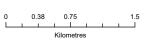


Figure 10 Beard Vegetation Associations

Legend

- → Railways
- □ Disturbance Footprint
- Development Envelope





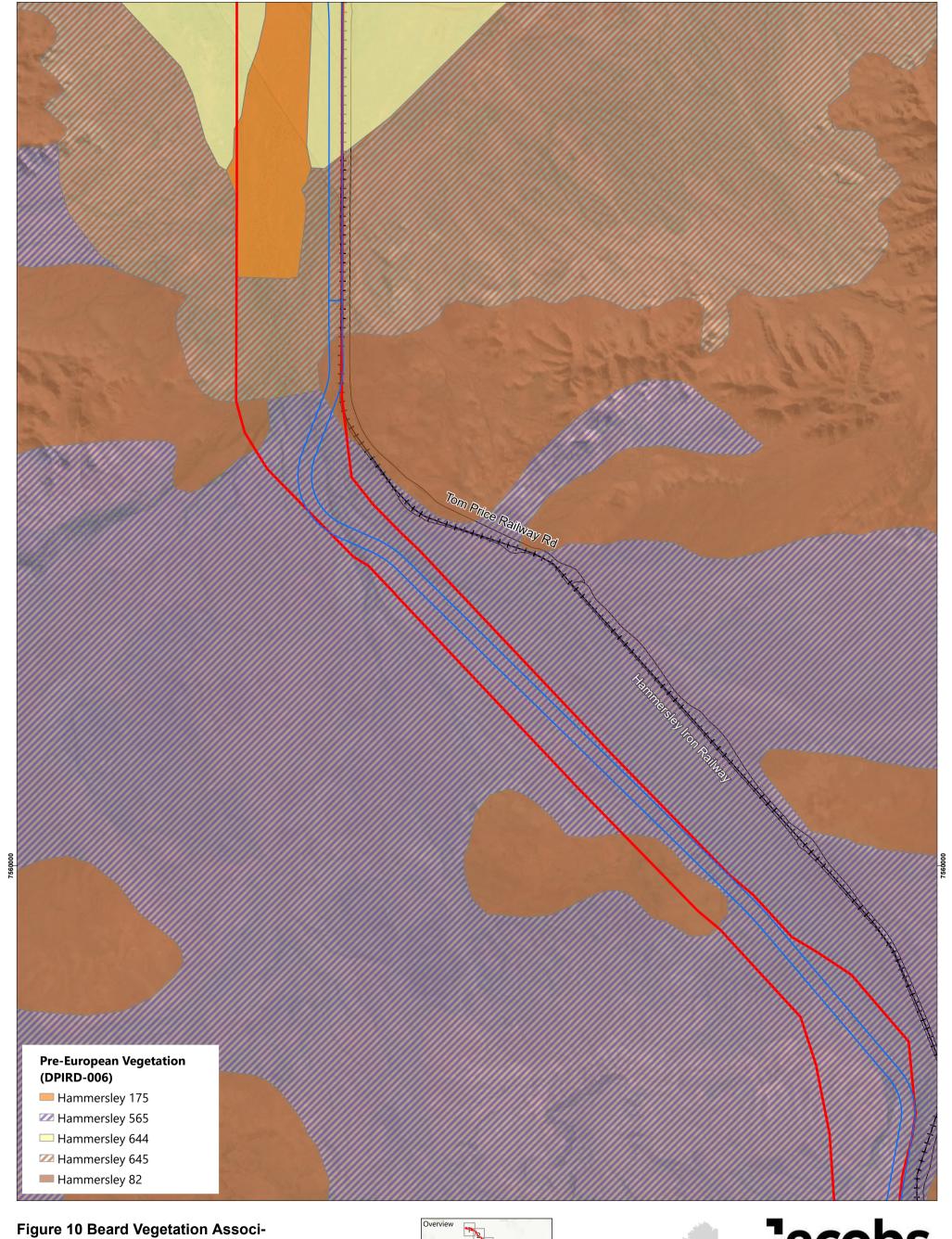


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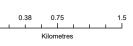


ations

Legend

- + Railways
- -- Roads
- Disturbance Footprint
- □ Development Envelope





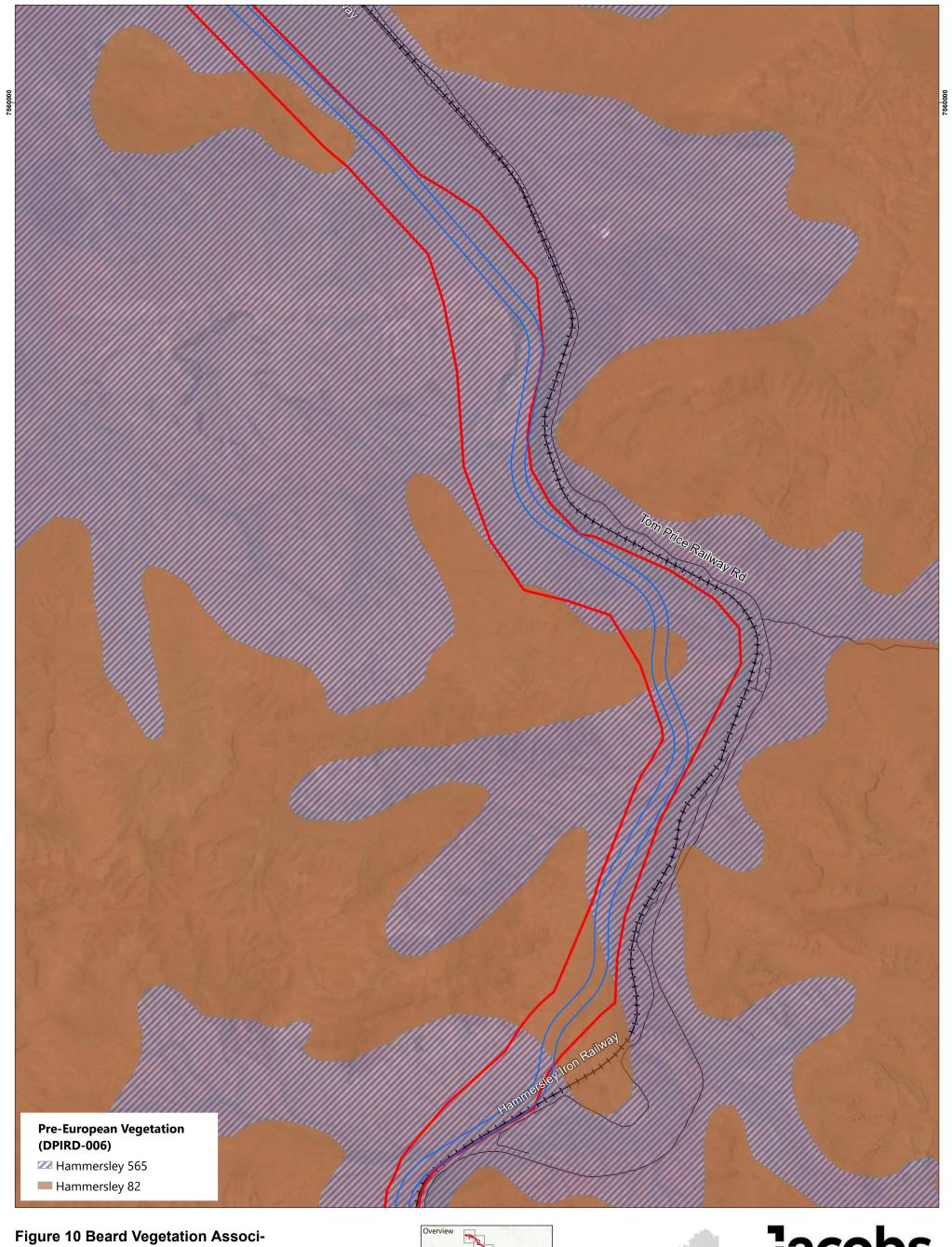


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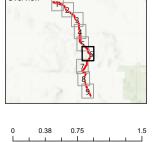
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ations

Legend

- → Railways
- -- Roads
- Disturbance Footprint
- □ Development Envelope





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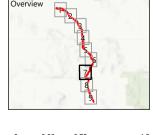
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Figure 10 Beard Vegetation Associations

Legend

- → Railways
- □ Disturbance Footprint
- Development Envelope







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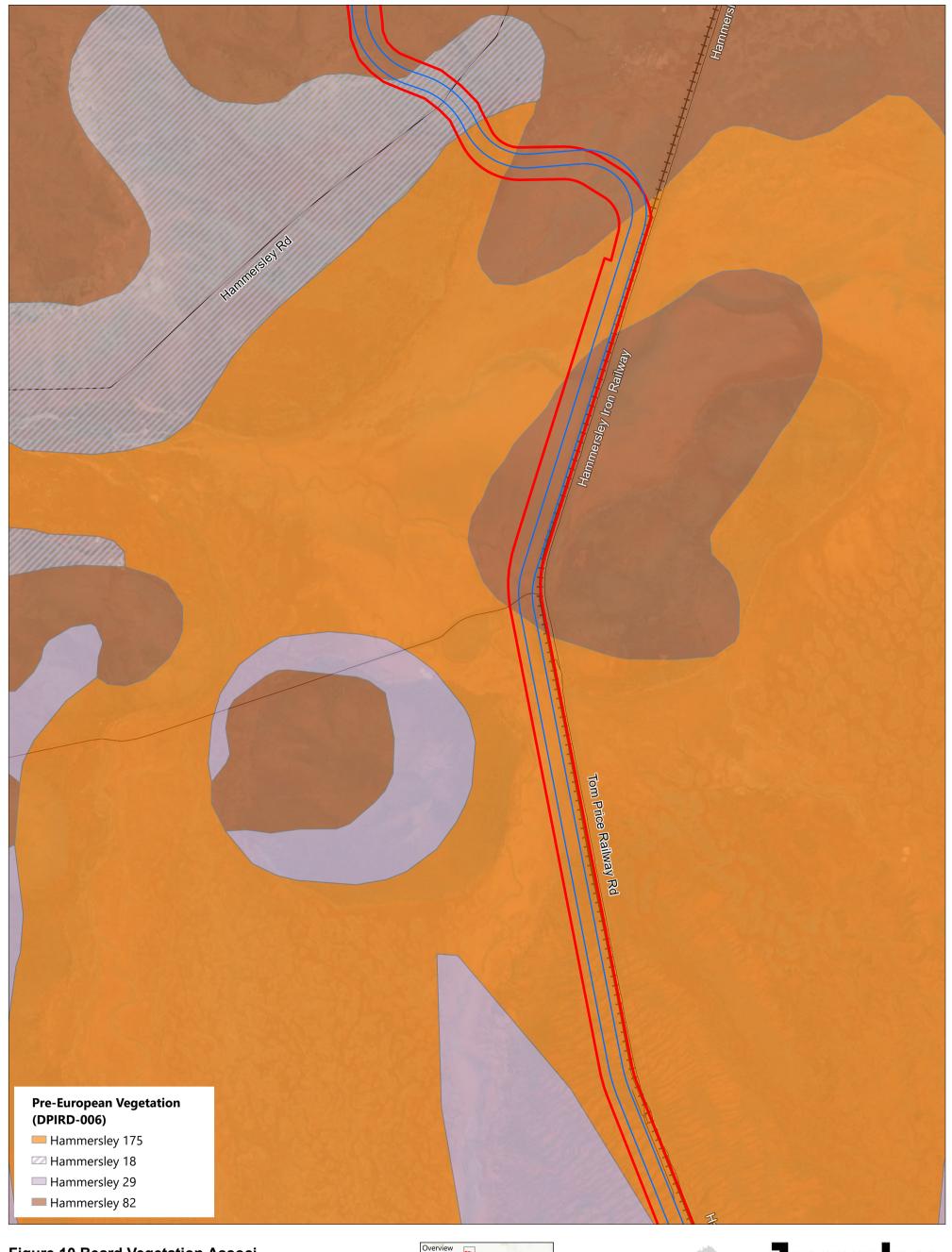
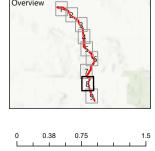


Figure 10 Beard Vegetation Associations

Legend

- → Railways
- □ Disturbance Footprint
- Development Envelope





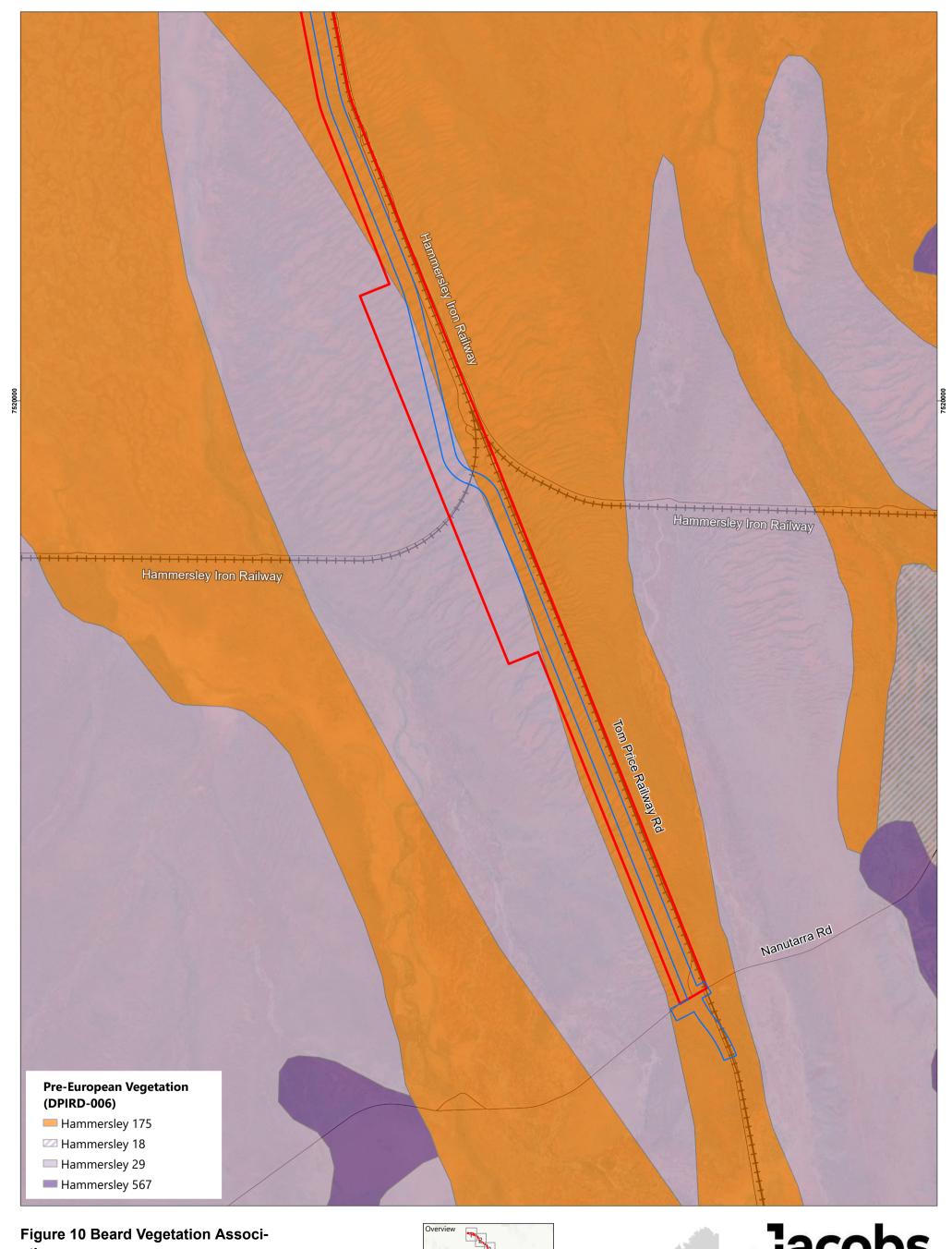
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ations

Legend

- + Railways
- Roads
- Disturbance Footprint
- Development Envelope



0.38





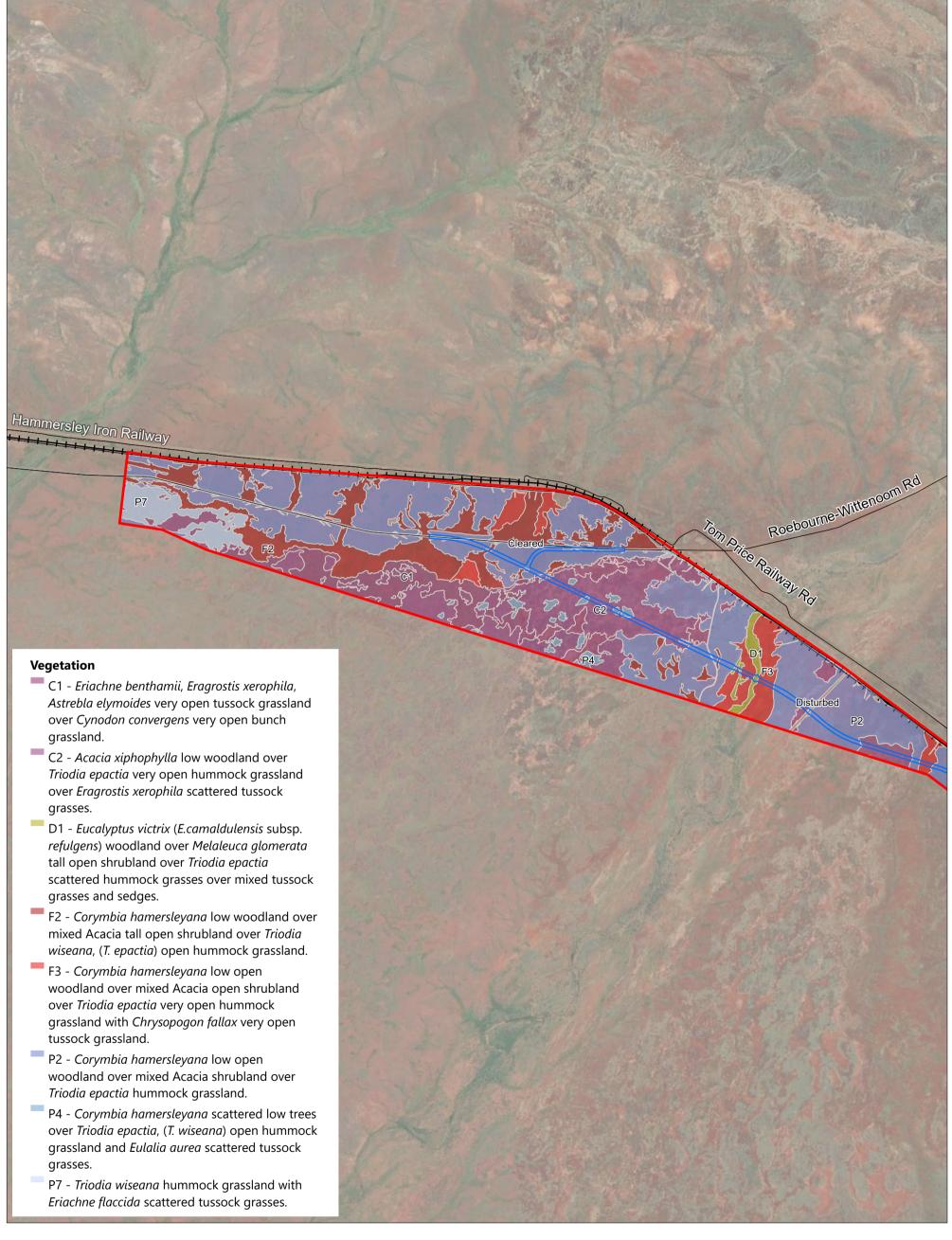
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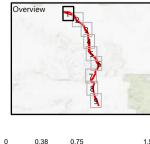
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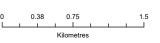
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Legend

- ___ Roads
- → Railways
- Rivers and Creeks
- Disturbance Footprint
- Development Envelope





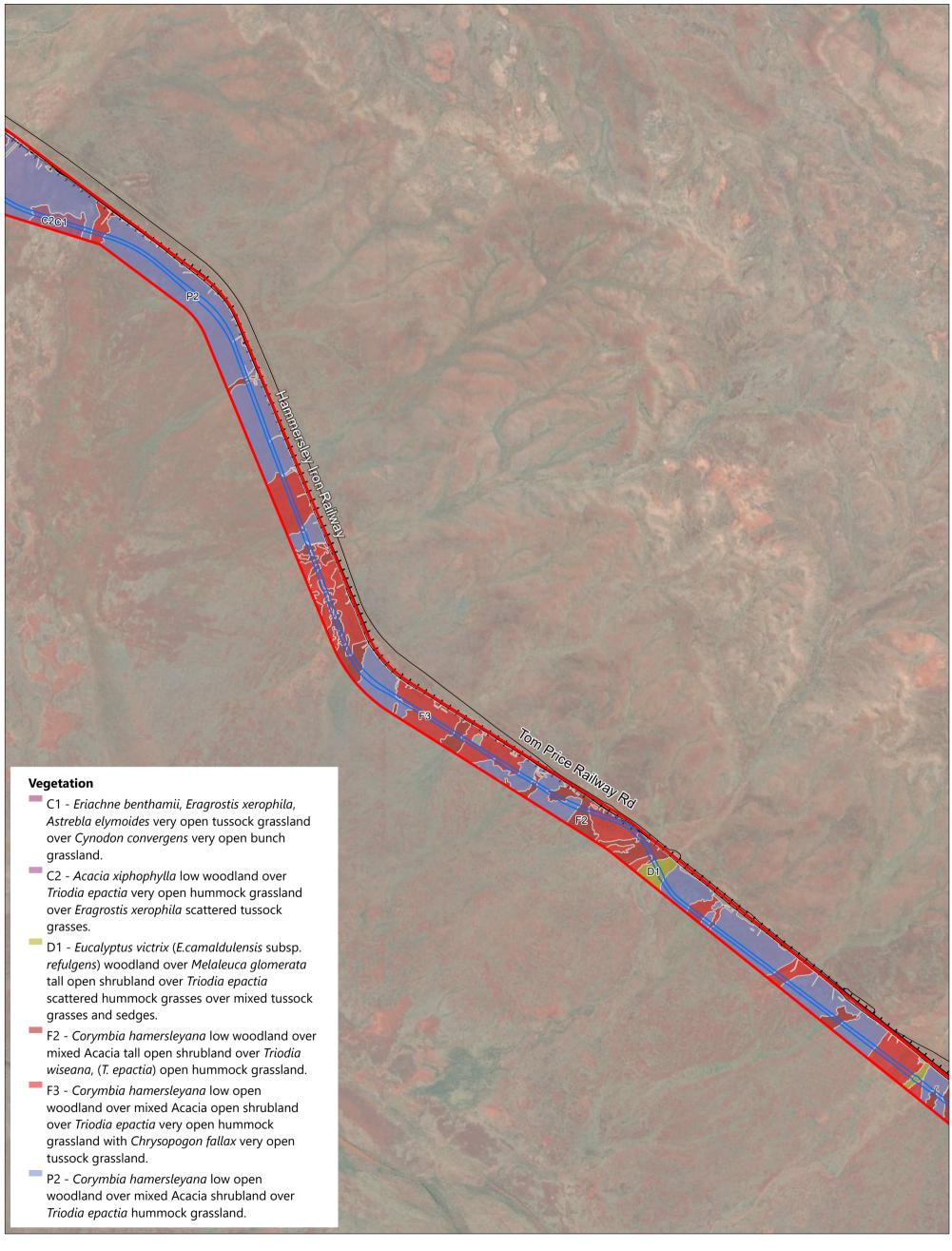




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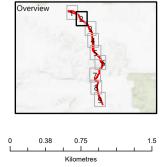
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Legend

- Roads
- + Railways
- Rivers and Creeks
- Disturbance Footprint
- Development Envelope



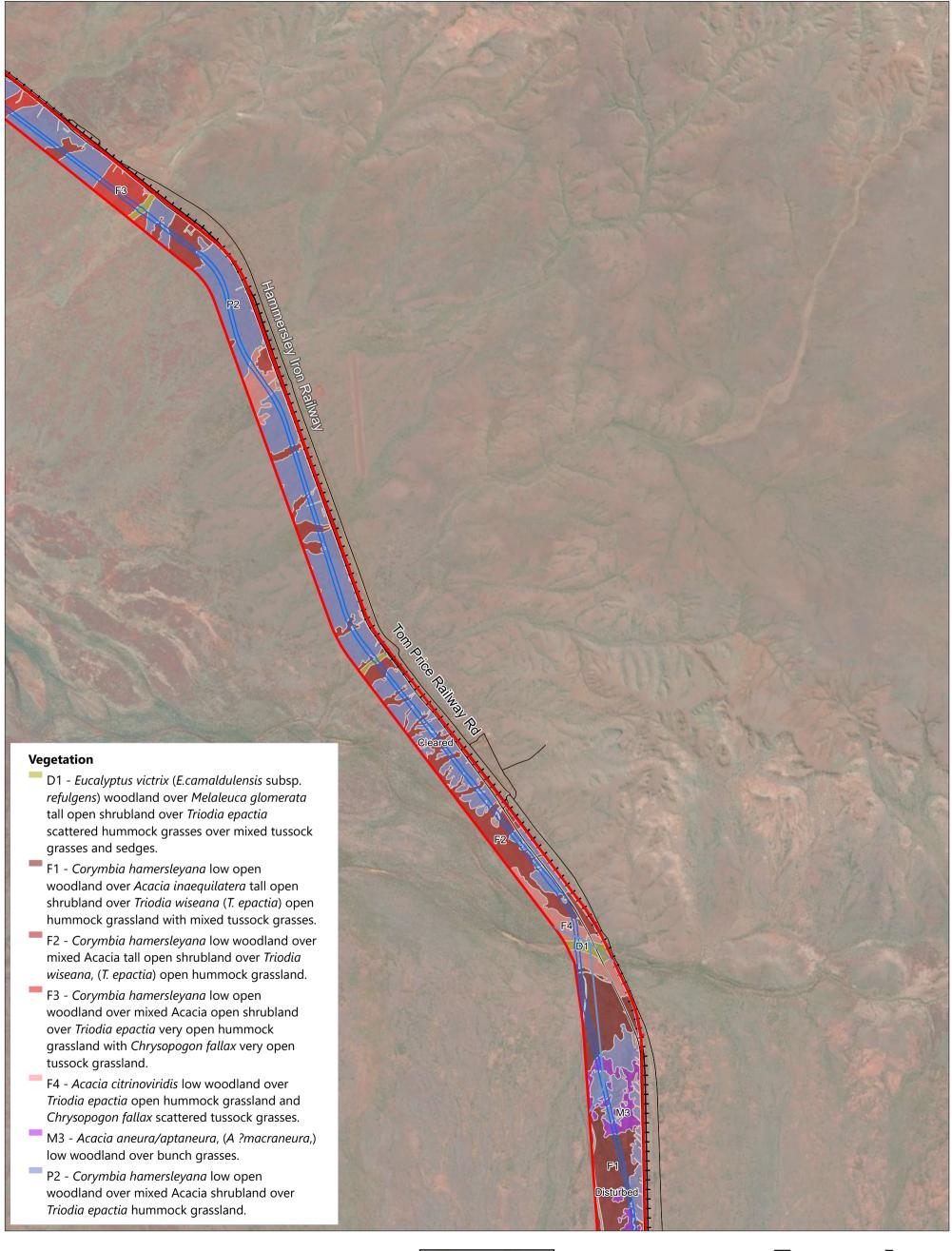


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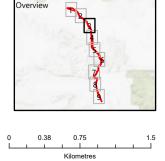
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Legend

- Roads
- + Railways
- Rivers and Creeks
- Disturbance Footprint
- Development Envelope



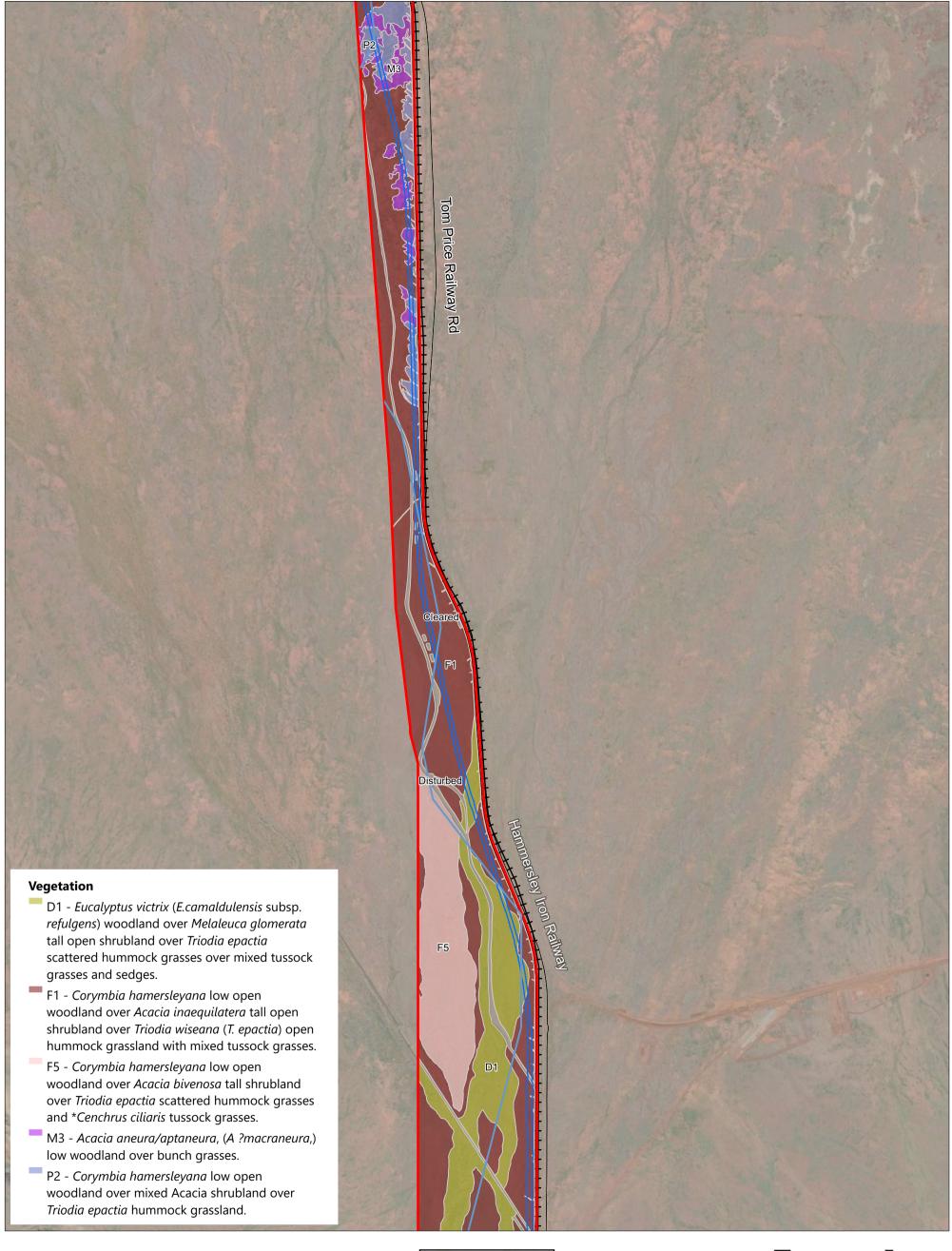




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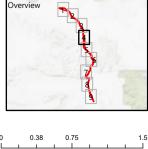
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Legend

- Roads
- + Railways
- Rivers and Creeks
- Disturbance Footprint
- Development Envelope





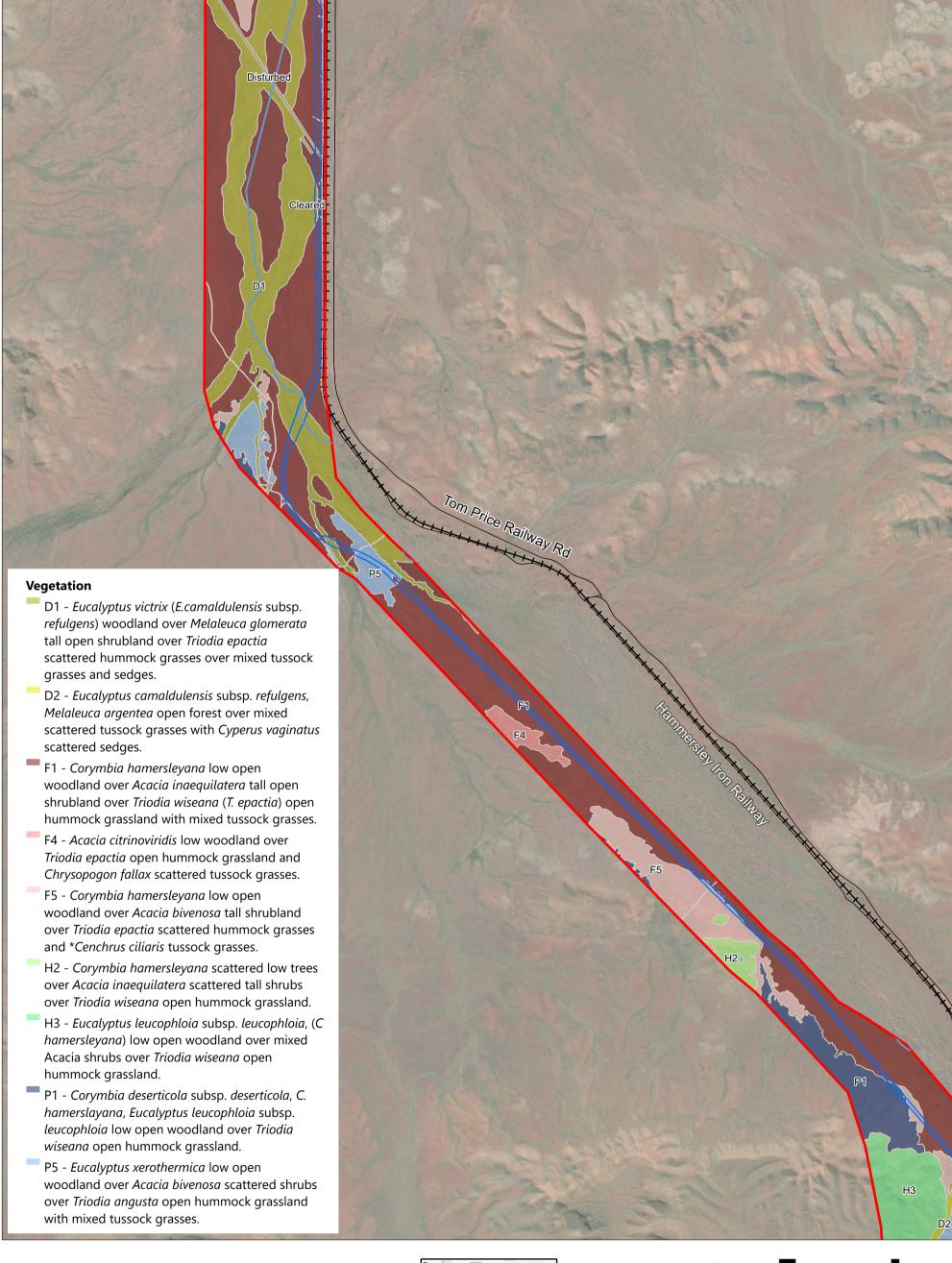




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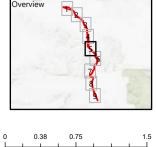
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Legend

- Roads
- + Railways
- Rivers and Creeks
- Disturbance Footprint
- Development Envelope





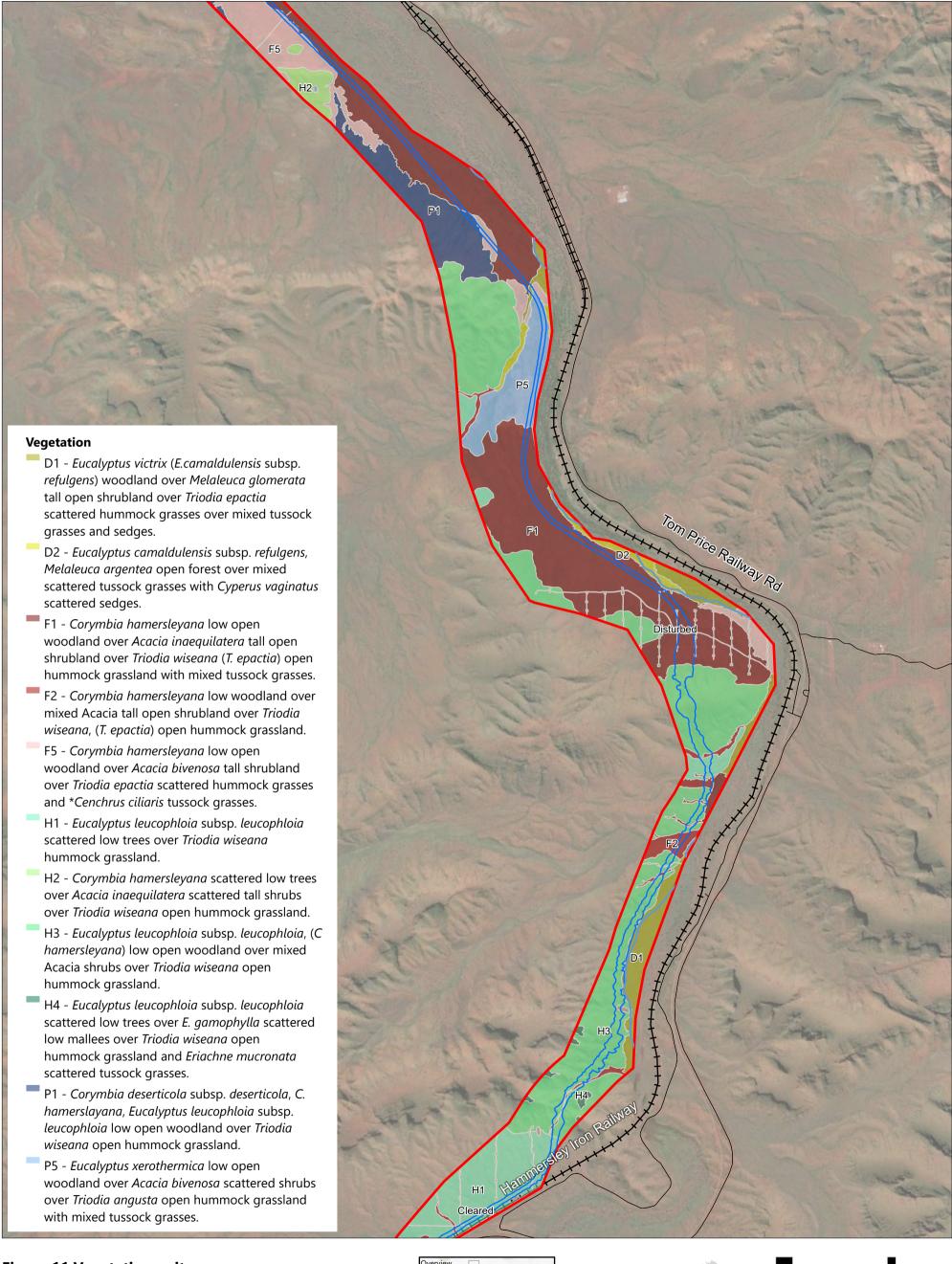




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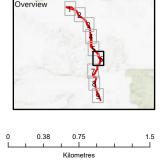
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Legend

- Roads
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- Rivers and Creeks
- Disturbance Footprint
- Development Envelope

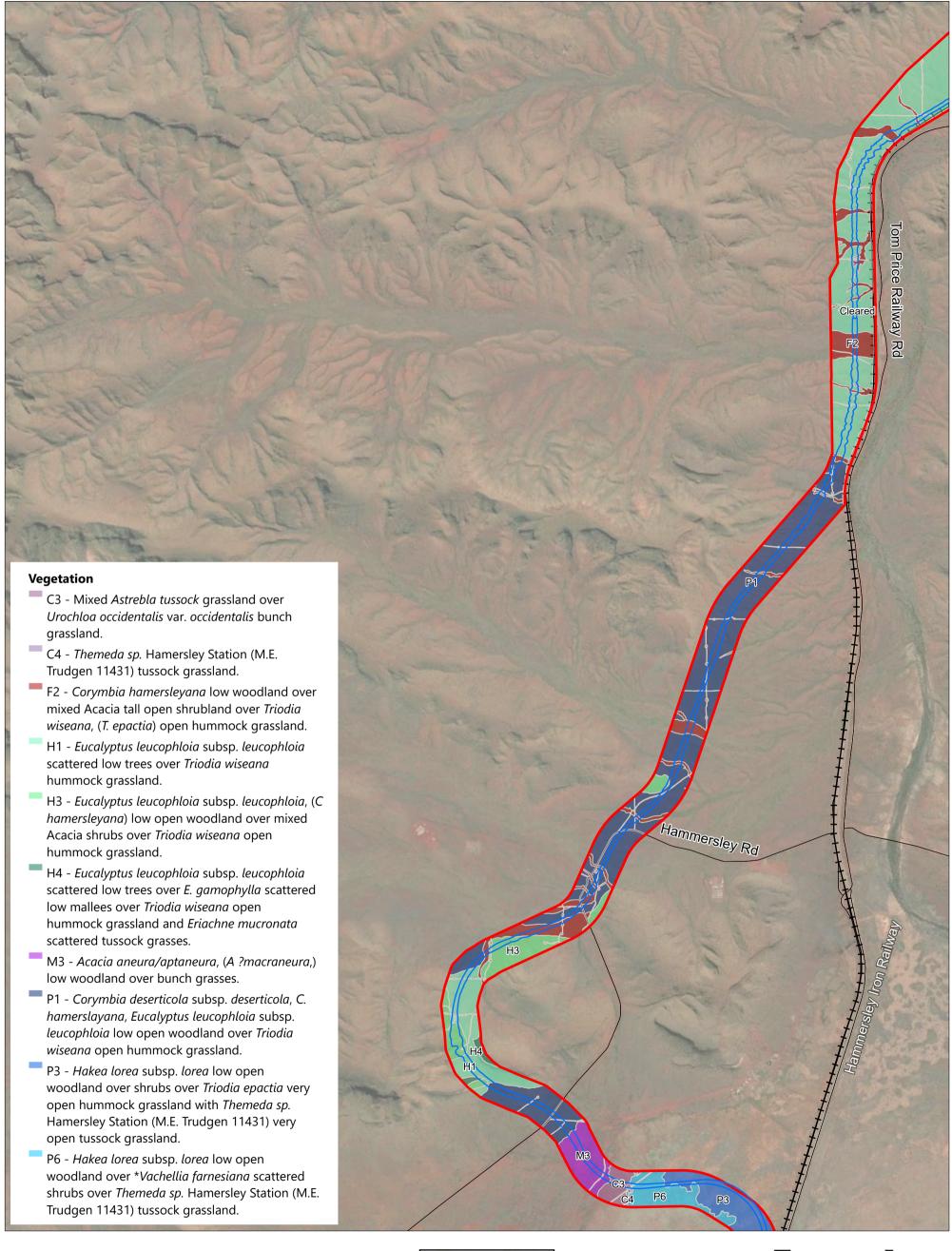




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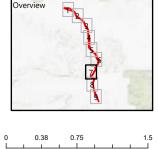
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Legend

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- + Railways
- Rivers and Creeks
- Disturbance Footprint
- Development Envelope





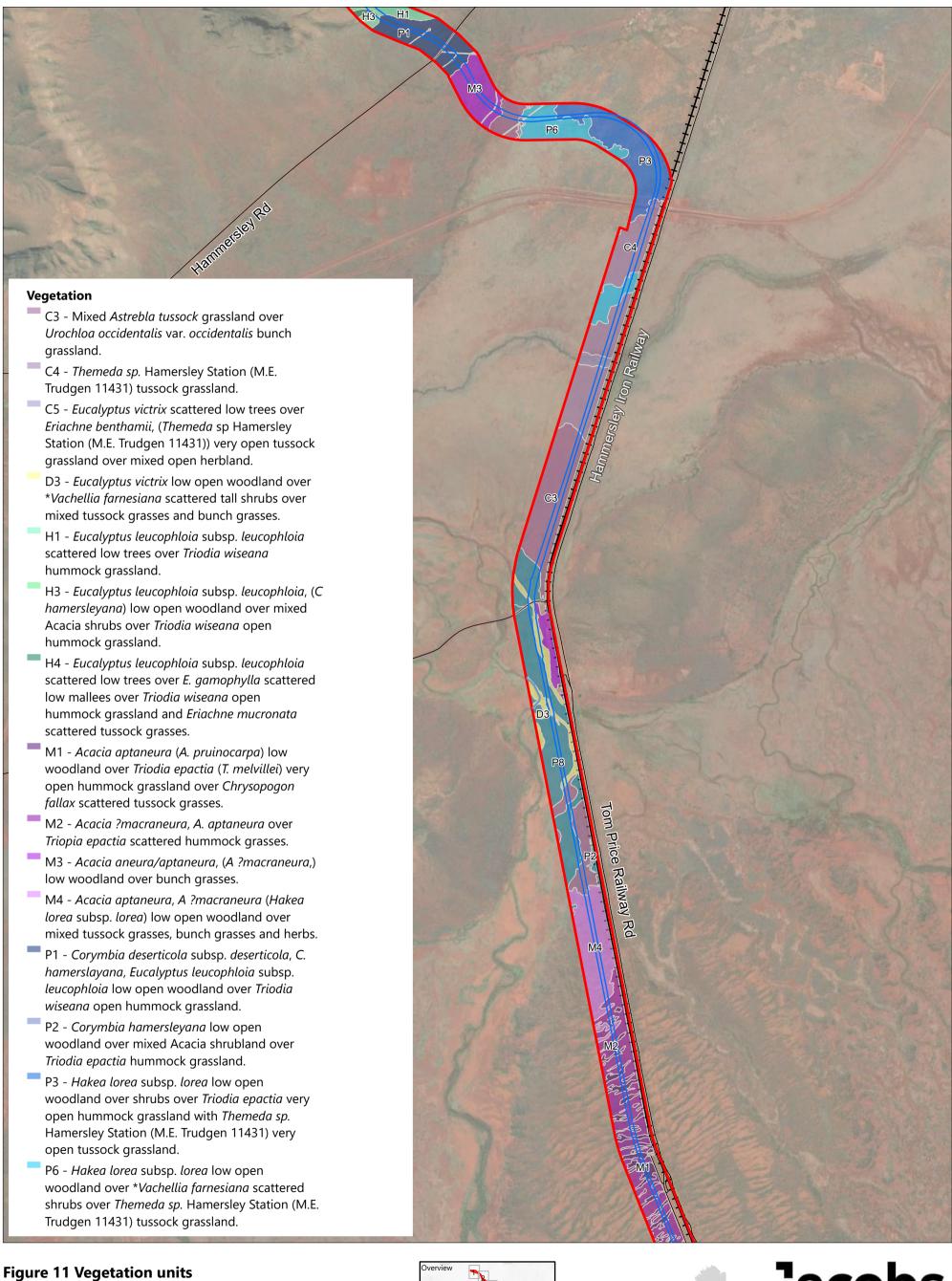




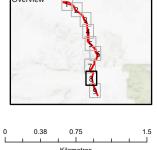
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- Roads
- + Railways
- Rivers and Creeks
- Disturbance Footprint
- Development Envelope



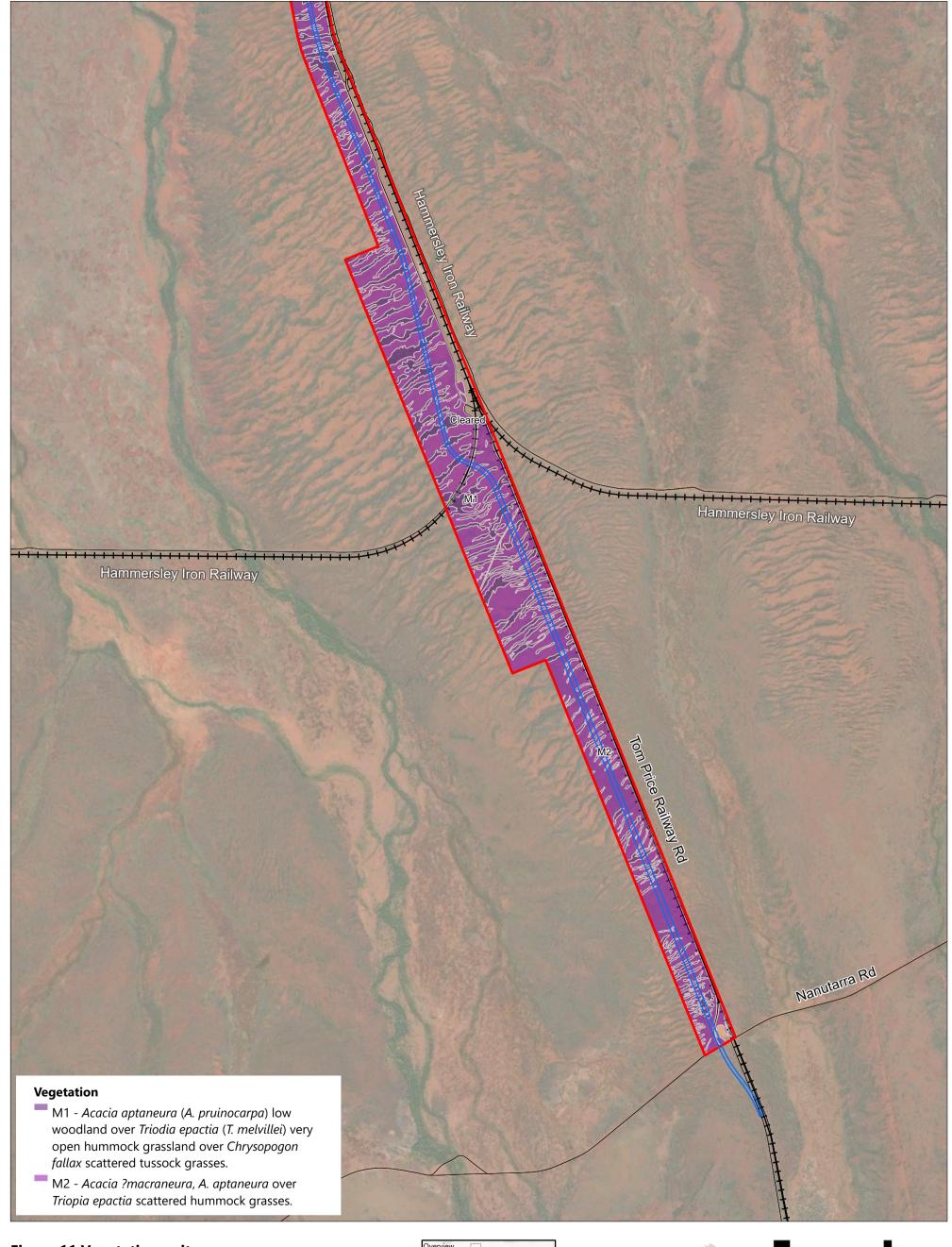


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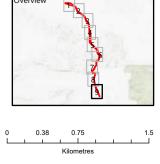
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Legend

- Roads
- → Railways
- Rivers and Creeks
- Disturbance Footprint
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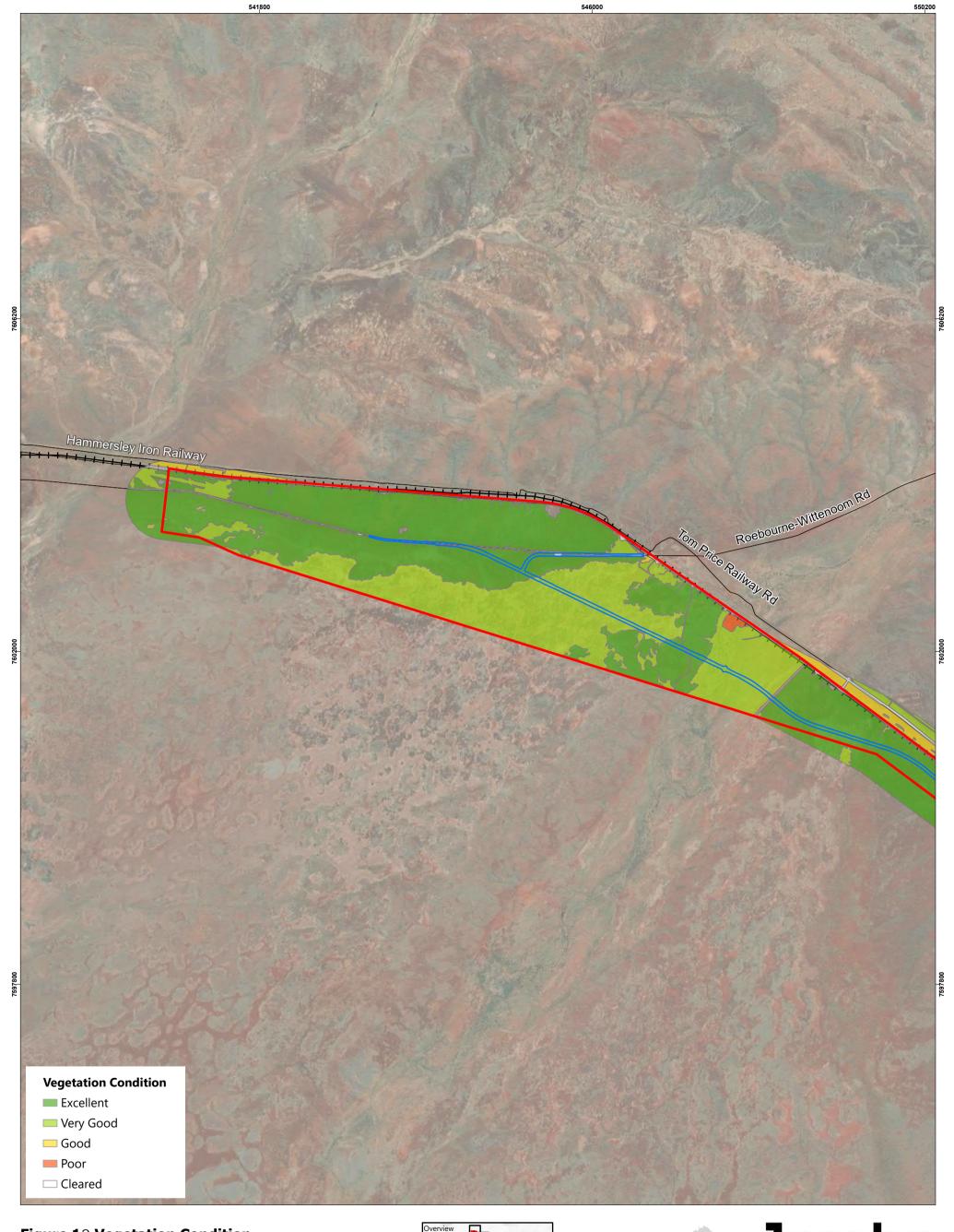


Figure 12 **Vegetation Condition**

Legend

- Roads
- → Railways
- □ Disturbance Footprint
- Development Envelope
- Rivers and Creeks



0.38 0.75



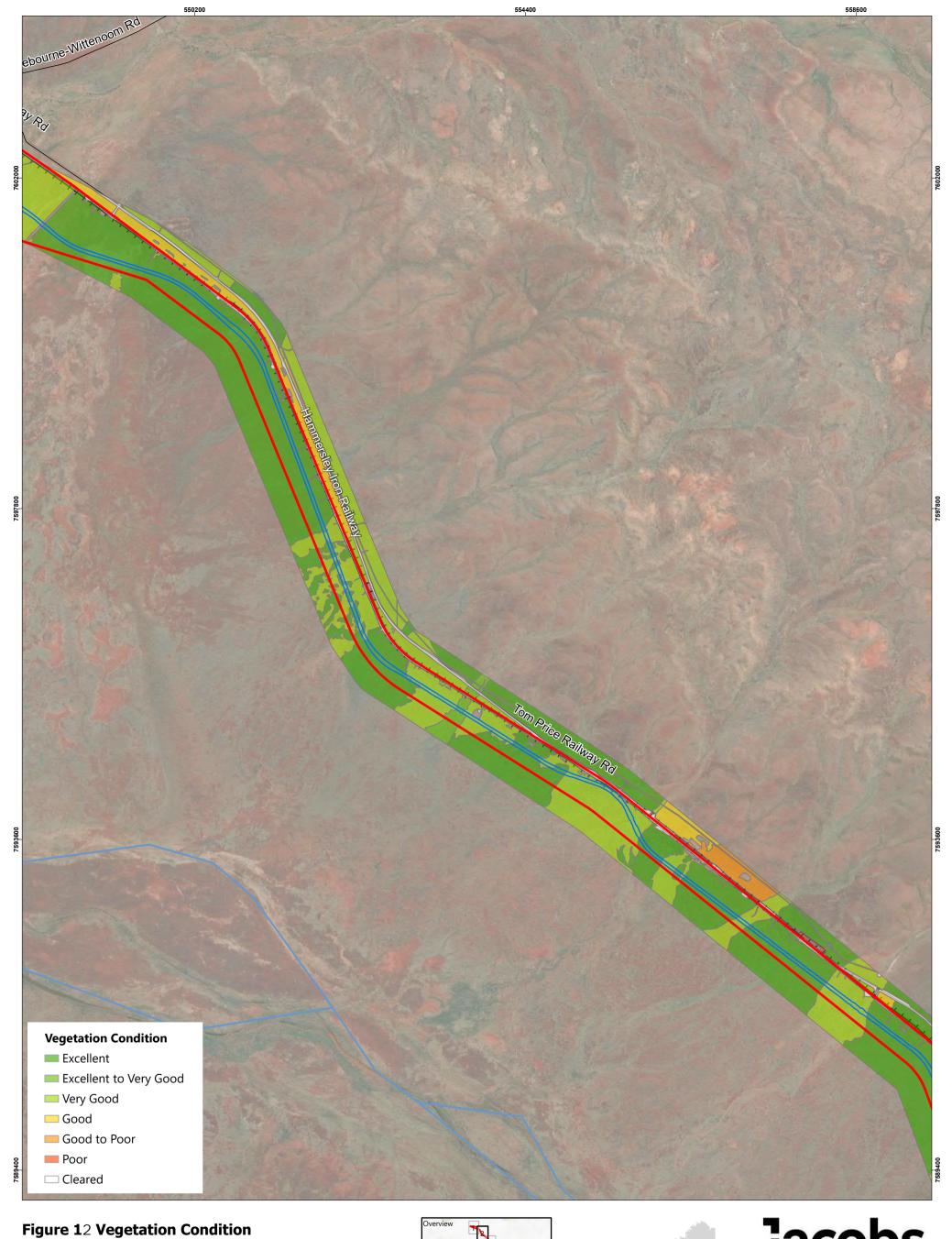




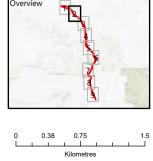
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- Roads
- → Railways
- □ Disturbance Footprint
- Development Envelope
- Rivers and Creeks



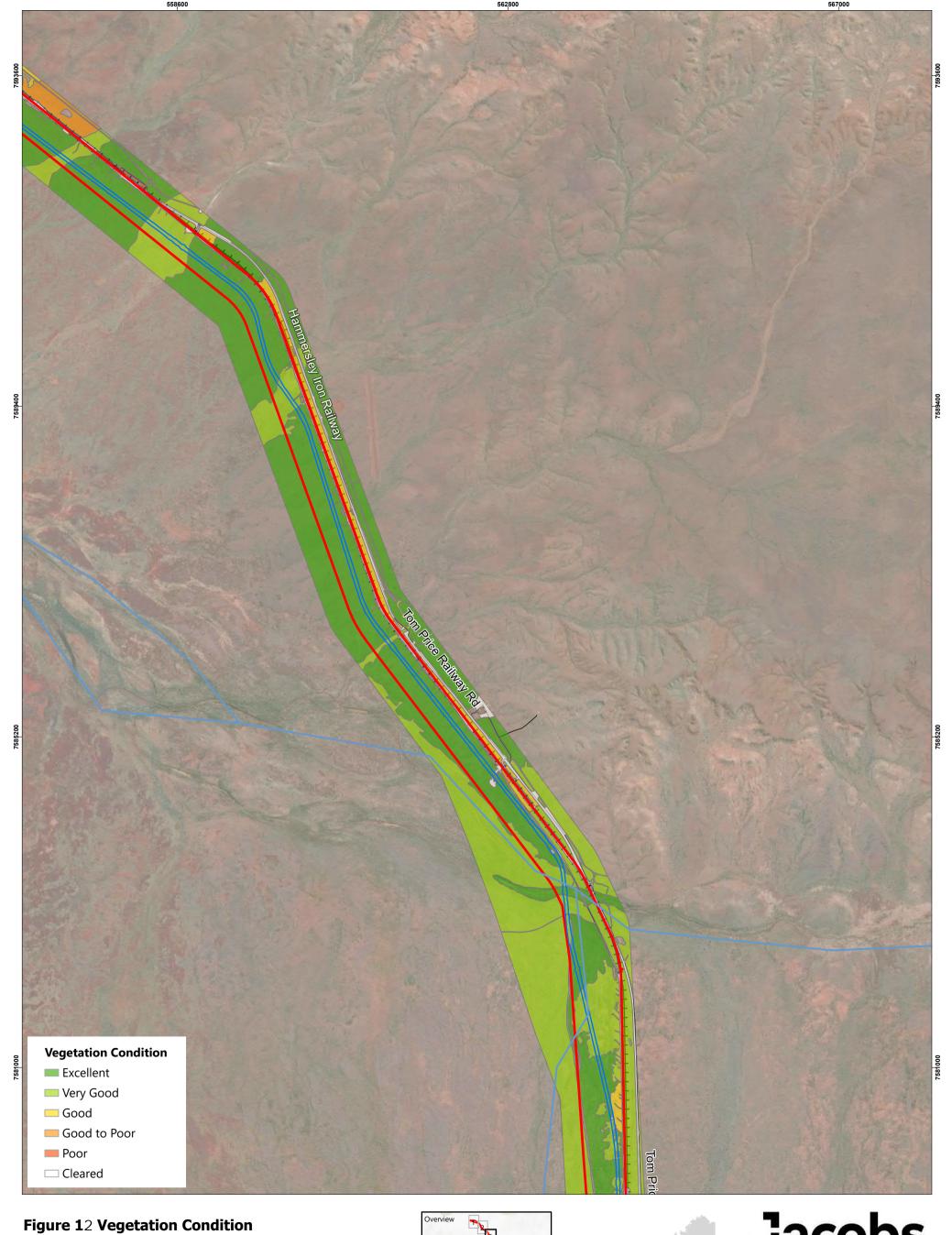




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- Roads
- → Railways
- Disturbance Footprint
- Development Envelope
- Rivers and Creeks



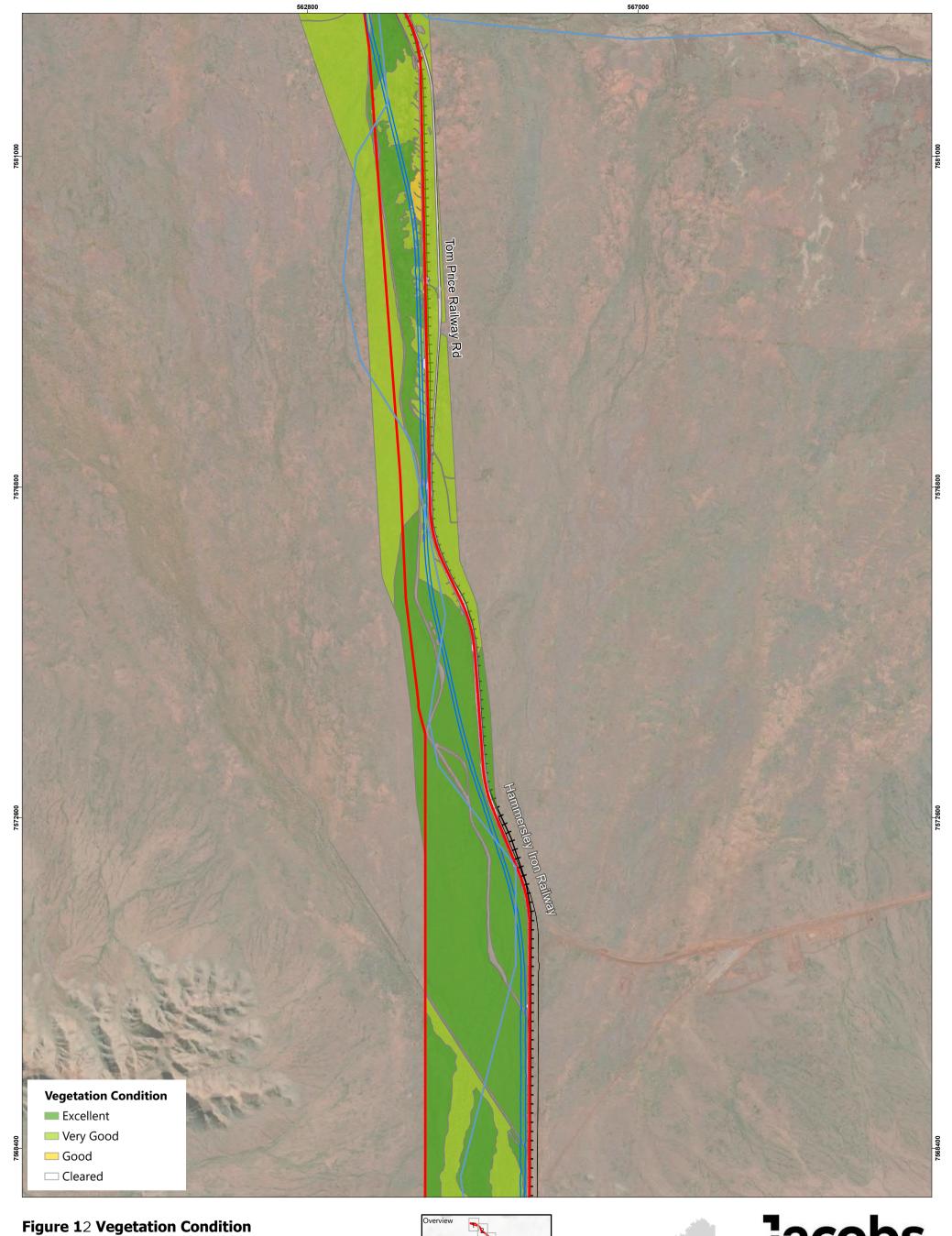




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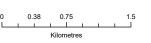
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- → Railways
- Disturbance Footprint
- Development Envelope
- Rivers and Creeks



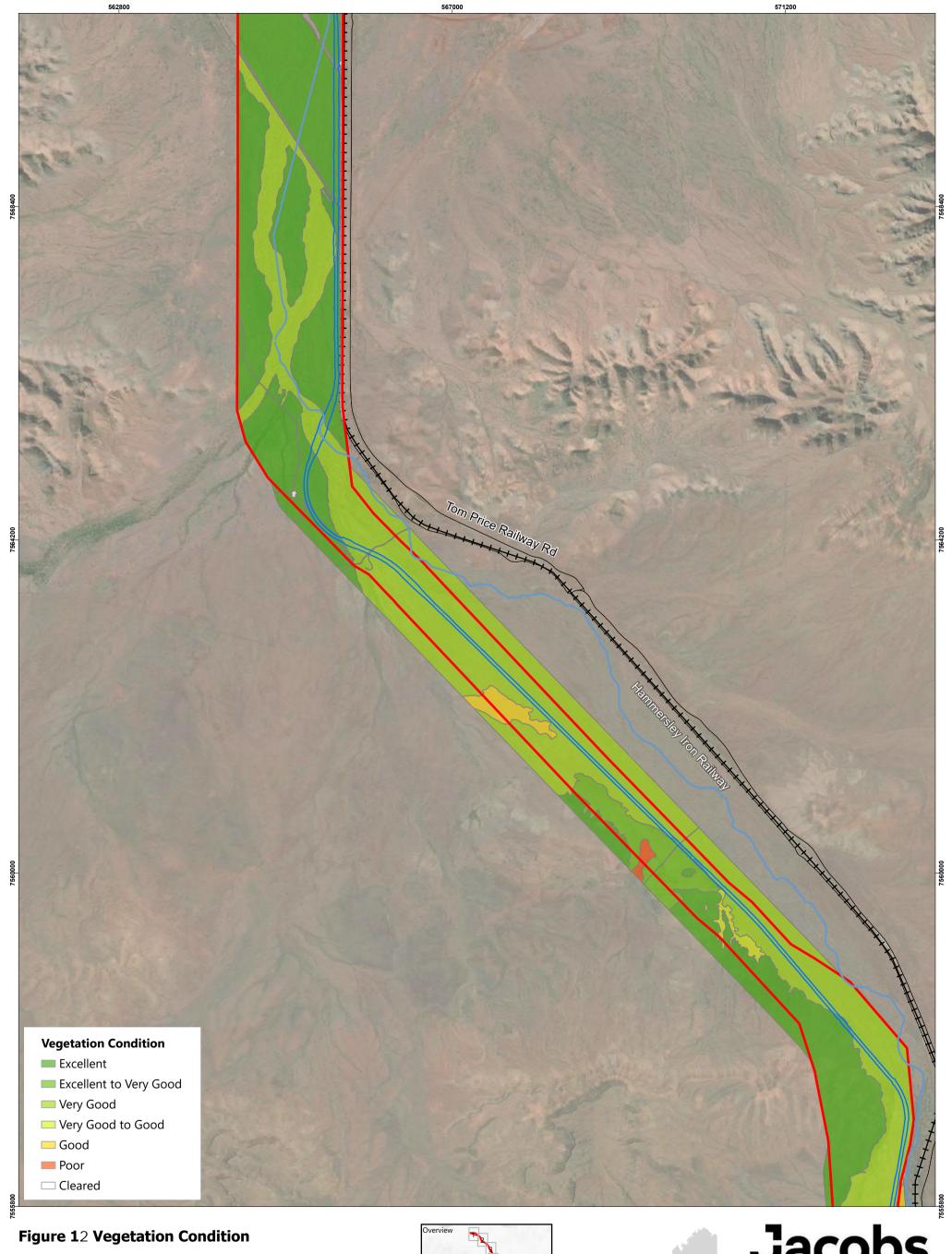




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- Roads
- → Railways
- □ Disturbance Footprint
- Development Envelope
- Rivers and Creeks



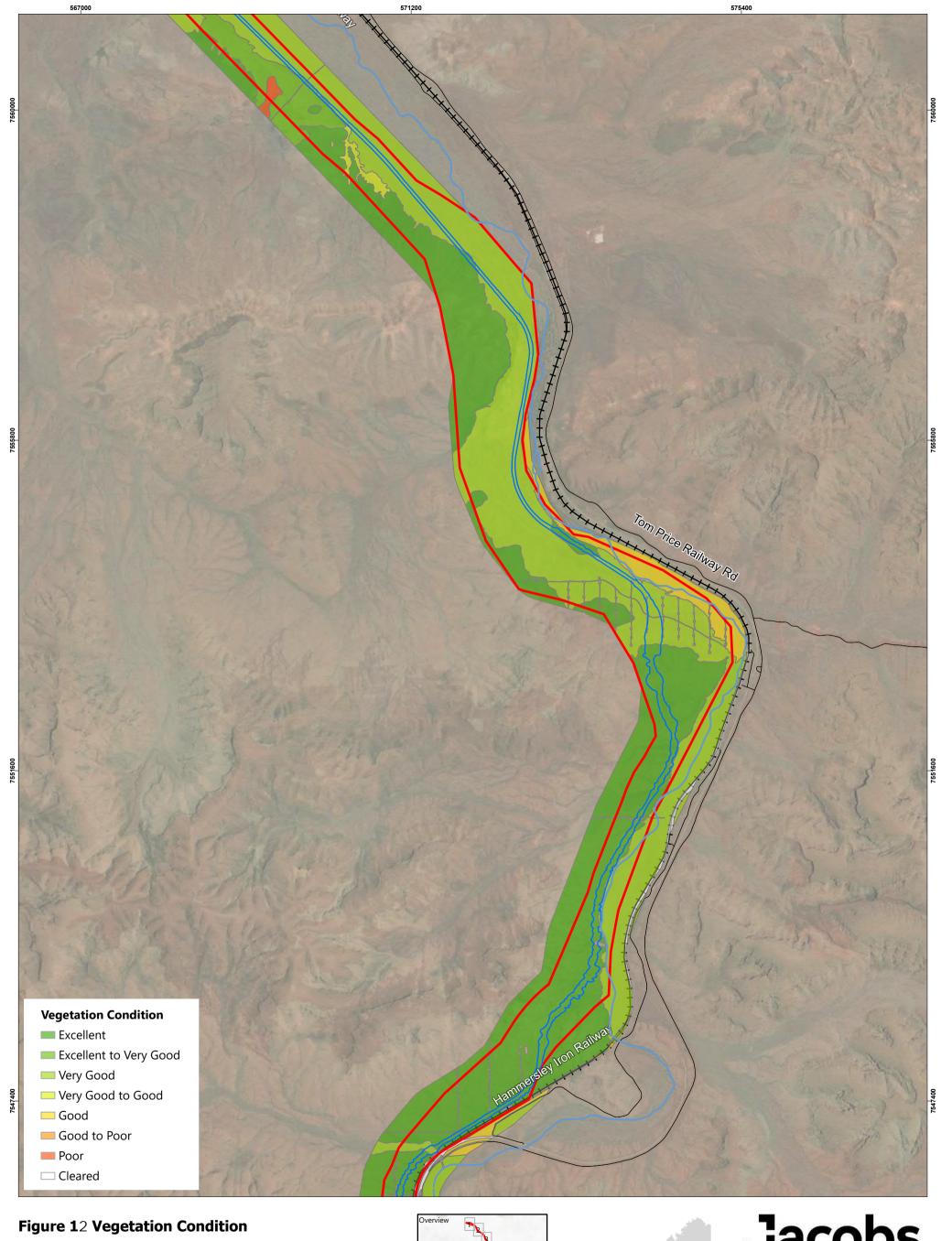




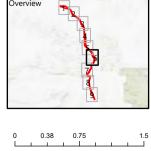
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- Roads
- → Railways
- ☐ Disturbance Footprint
- Development Envelope
- Rivers and Creeks



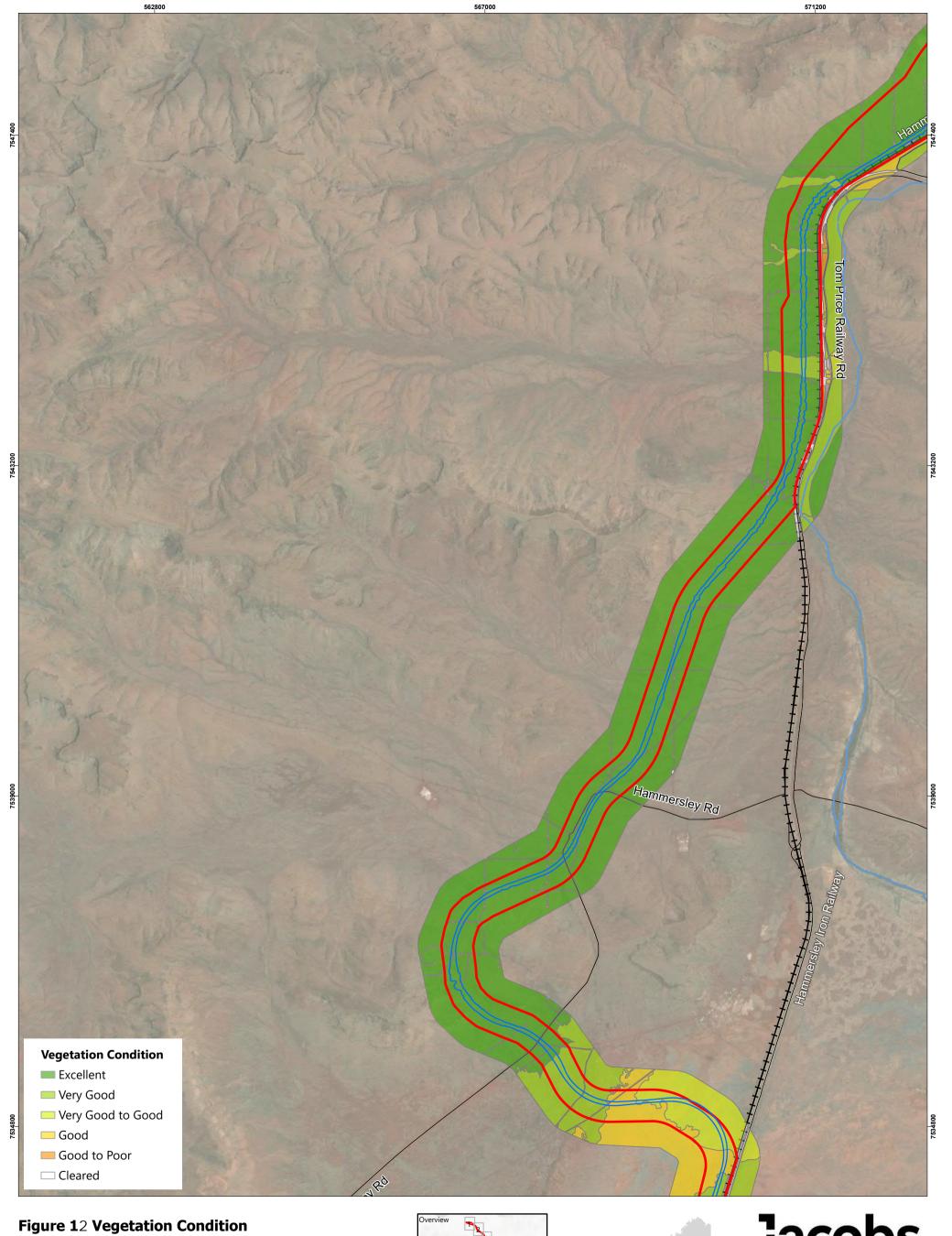


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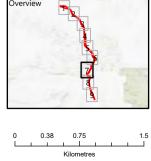
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- Roads
- → Railways
- Disturbance Footprint
- Development Envelope
- Rivers and Creeks





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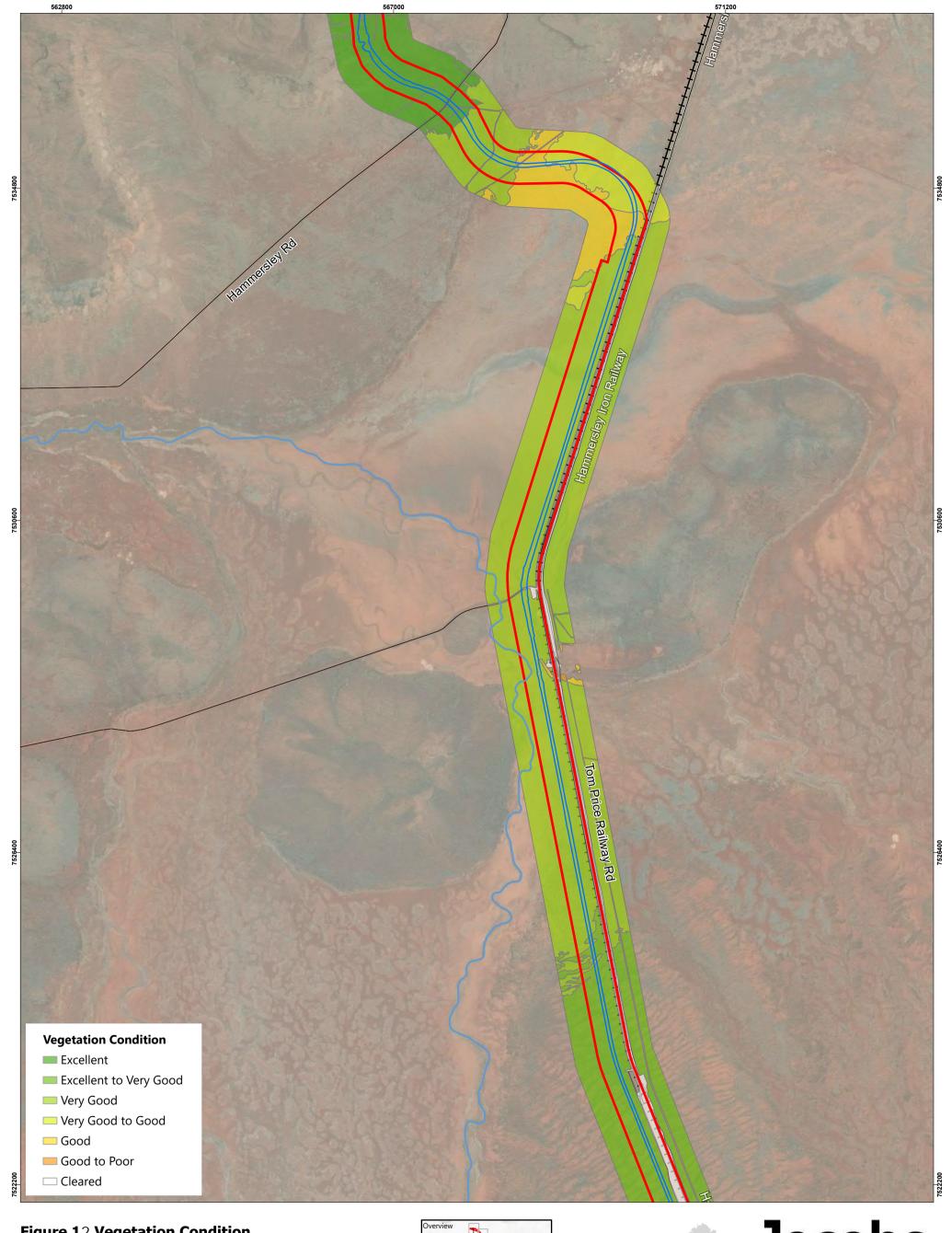
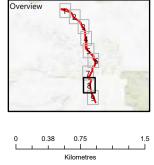


Figure 12 **Vegetation Condition**

Legend

- → Railways
- Disturbance Footprint
- Development Envelope
- Rivers and Creeks



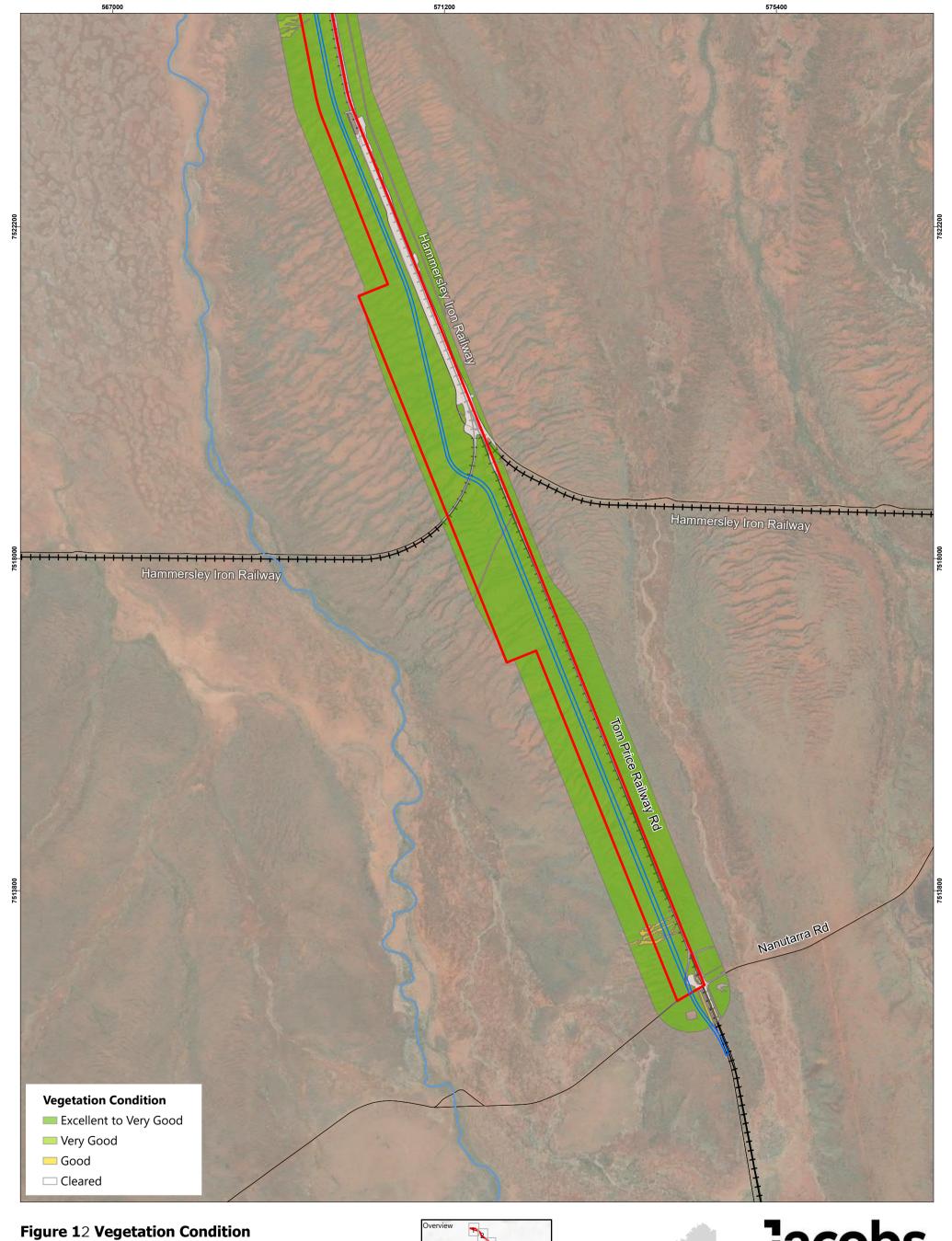




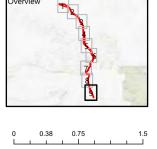
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- Roads
- → Railways
- Disturbance Footprint
- Development Envelope
- Rivers and Creeks





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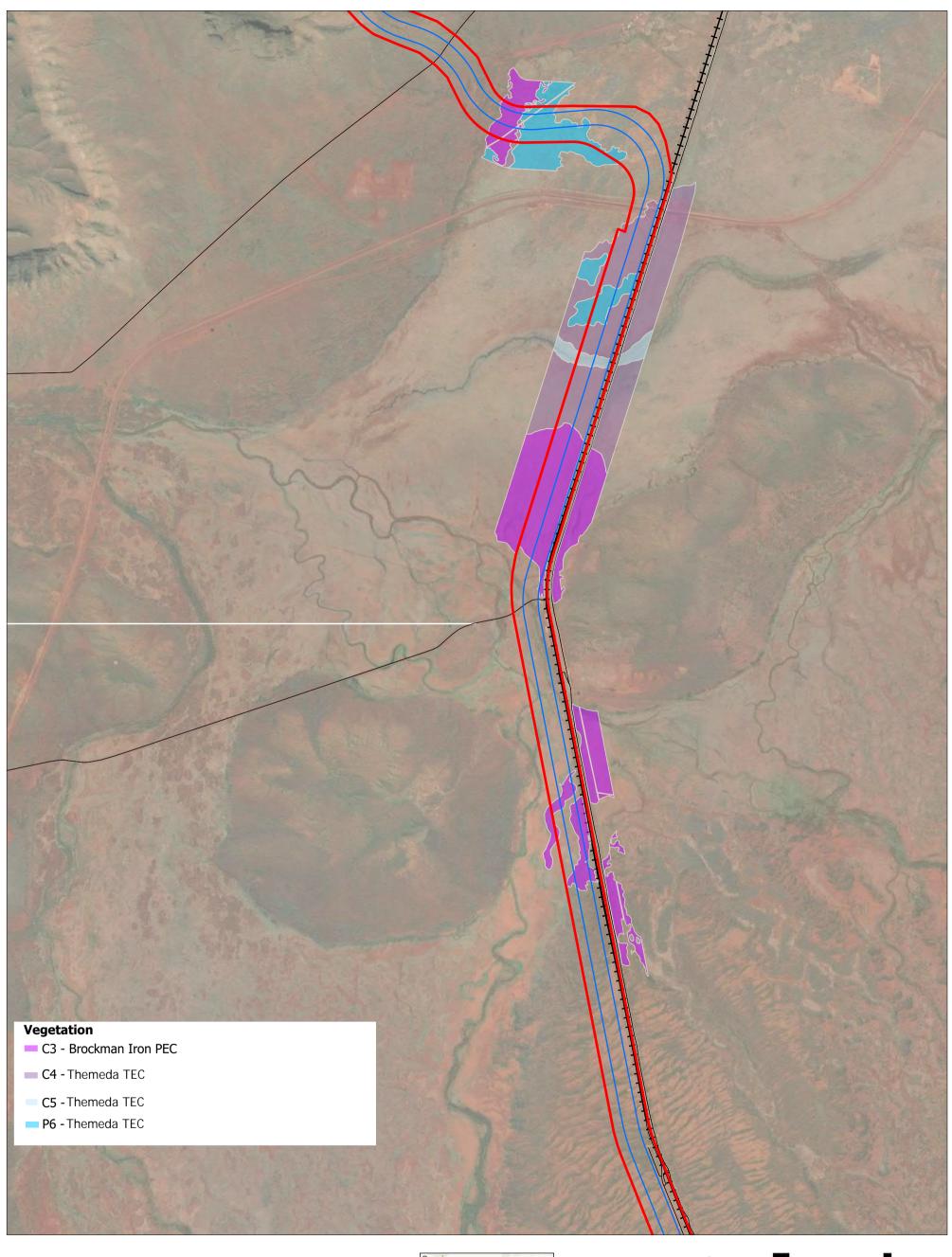
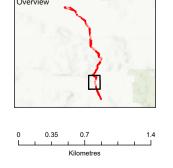


Figure 13 Conservation Significant Vegetation

- Disturbance Footprint
- Development Envelope
- + Railways
- Roads





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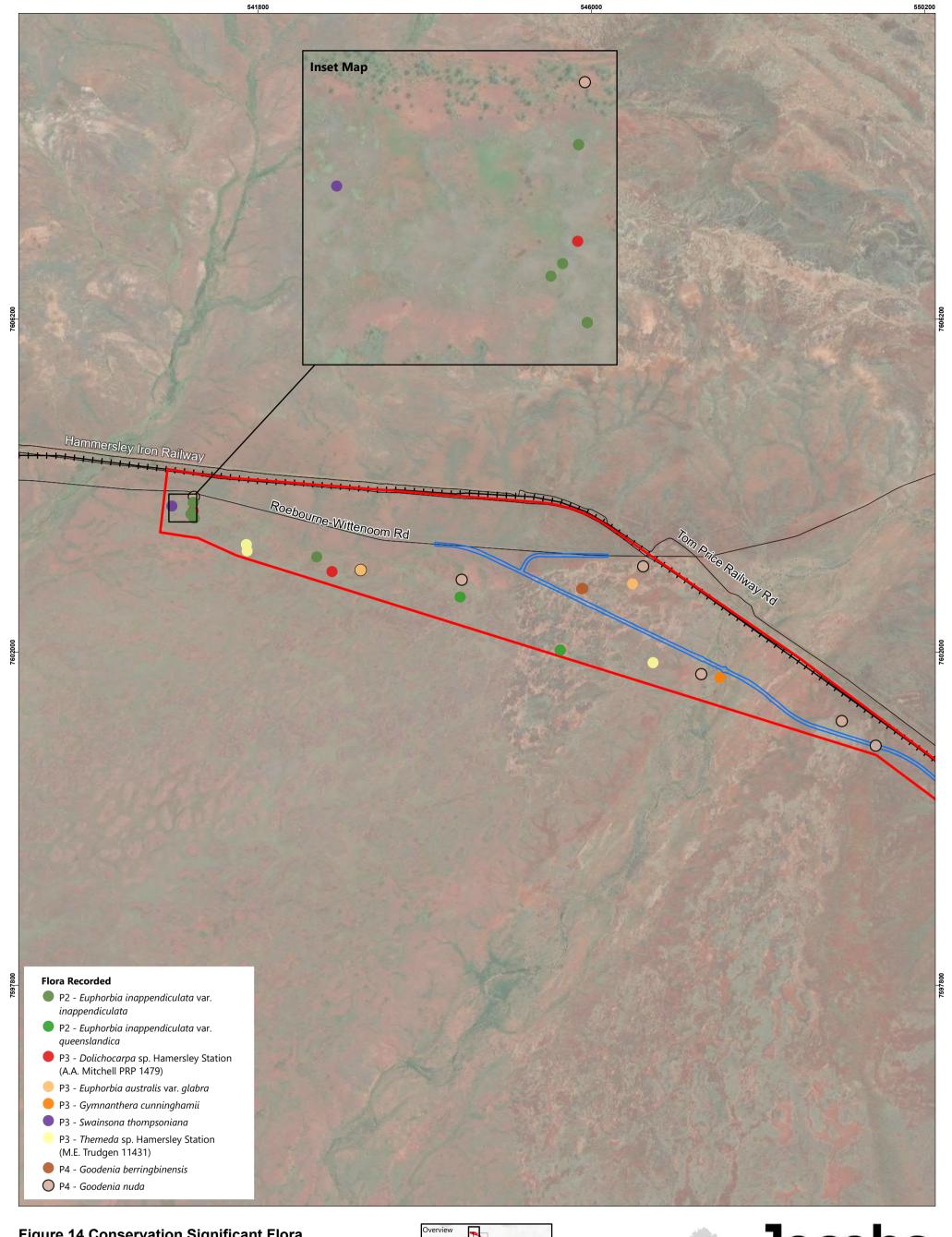
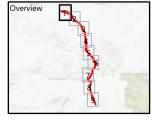


Figure 14 Conservation Significant Flora

Legend

- Roads
- → Railways
- □ Disturbance Footprint
- Development Envelope





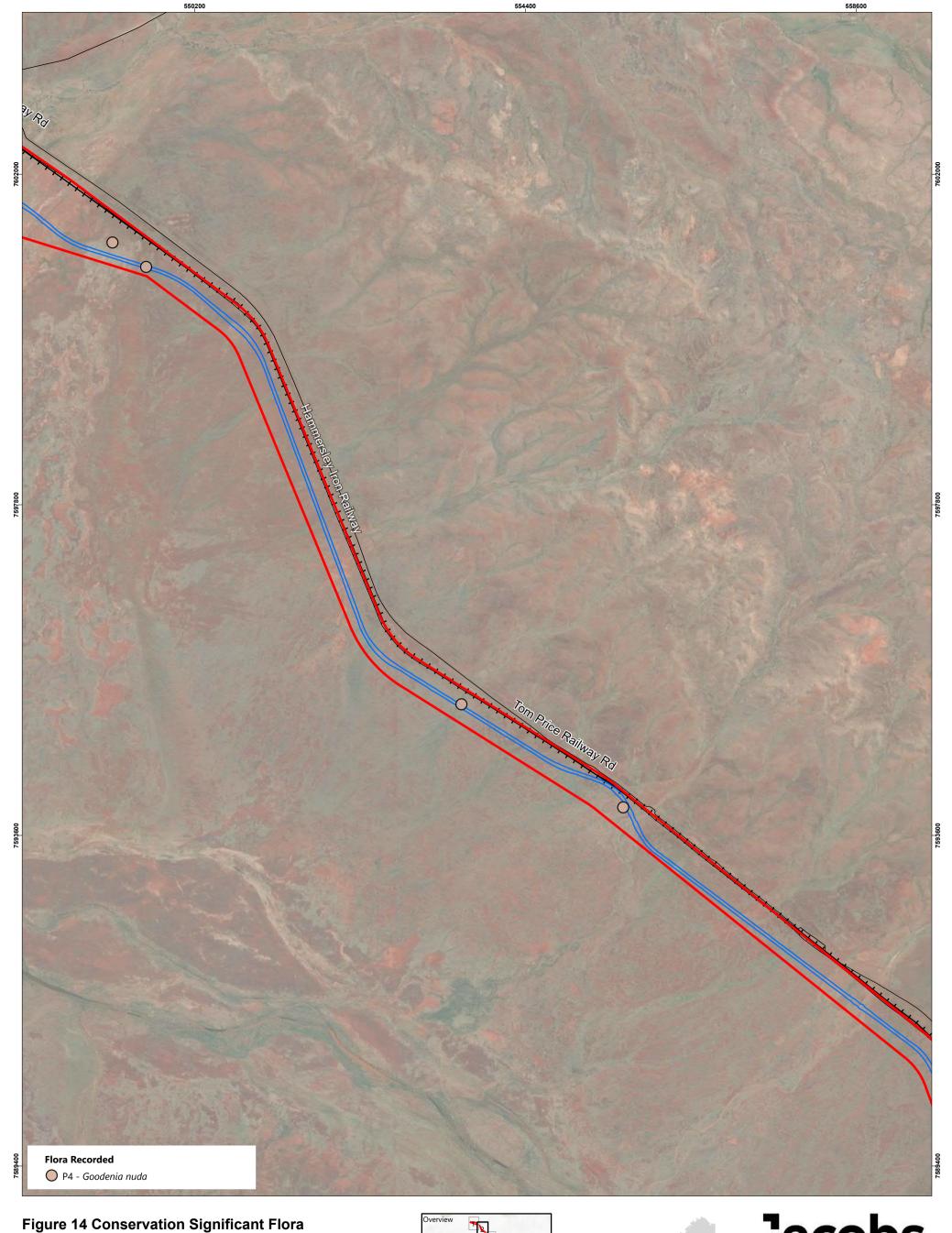




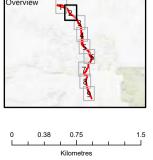
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- → Railways
- Disturbance Footprint
- Development Envelope









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- → Railways
- Disturbance Footprint
- Development Envelope



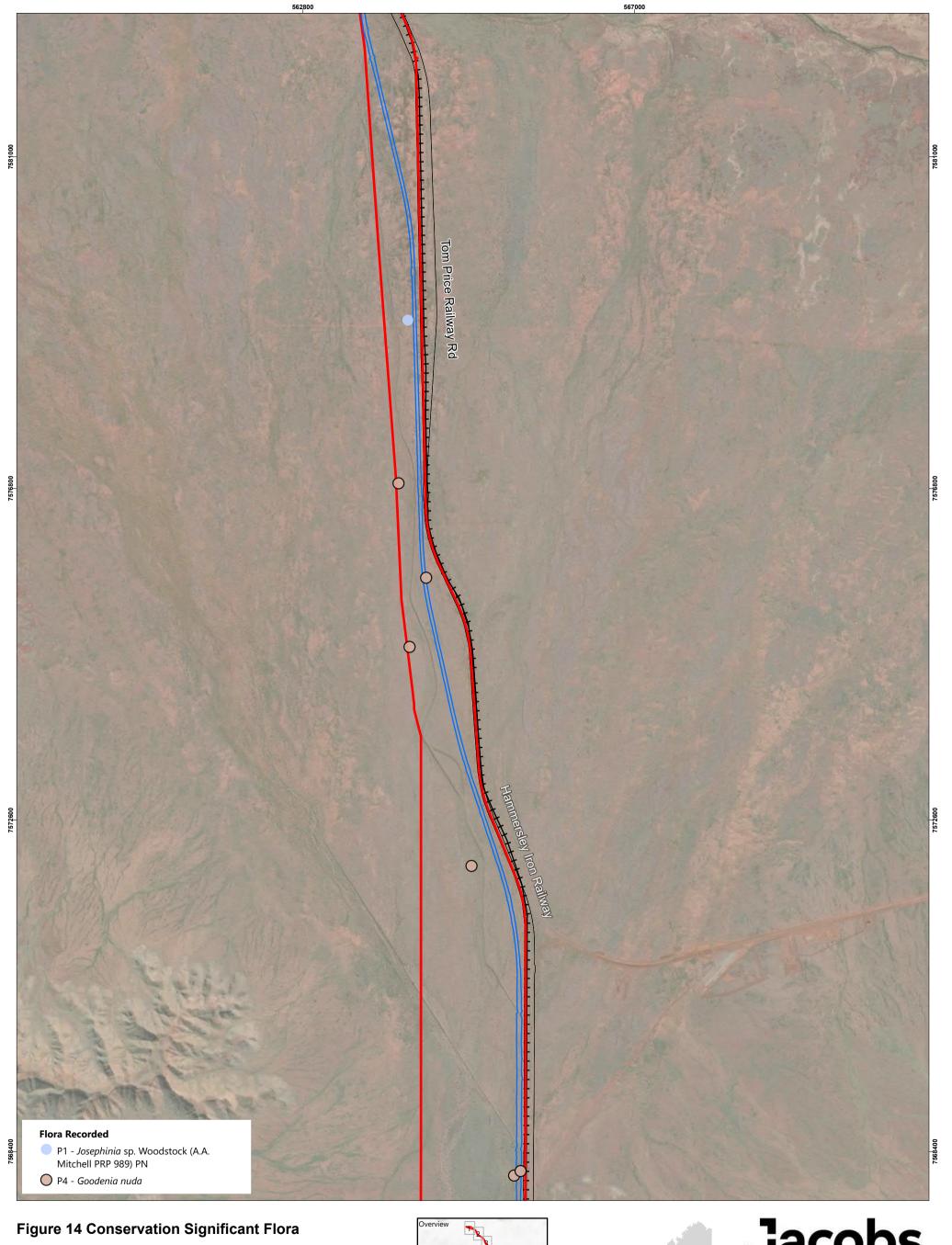




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- Roads
- → Railways
- Disturbance Footprint
- Development Envelope



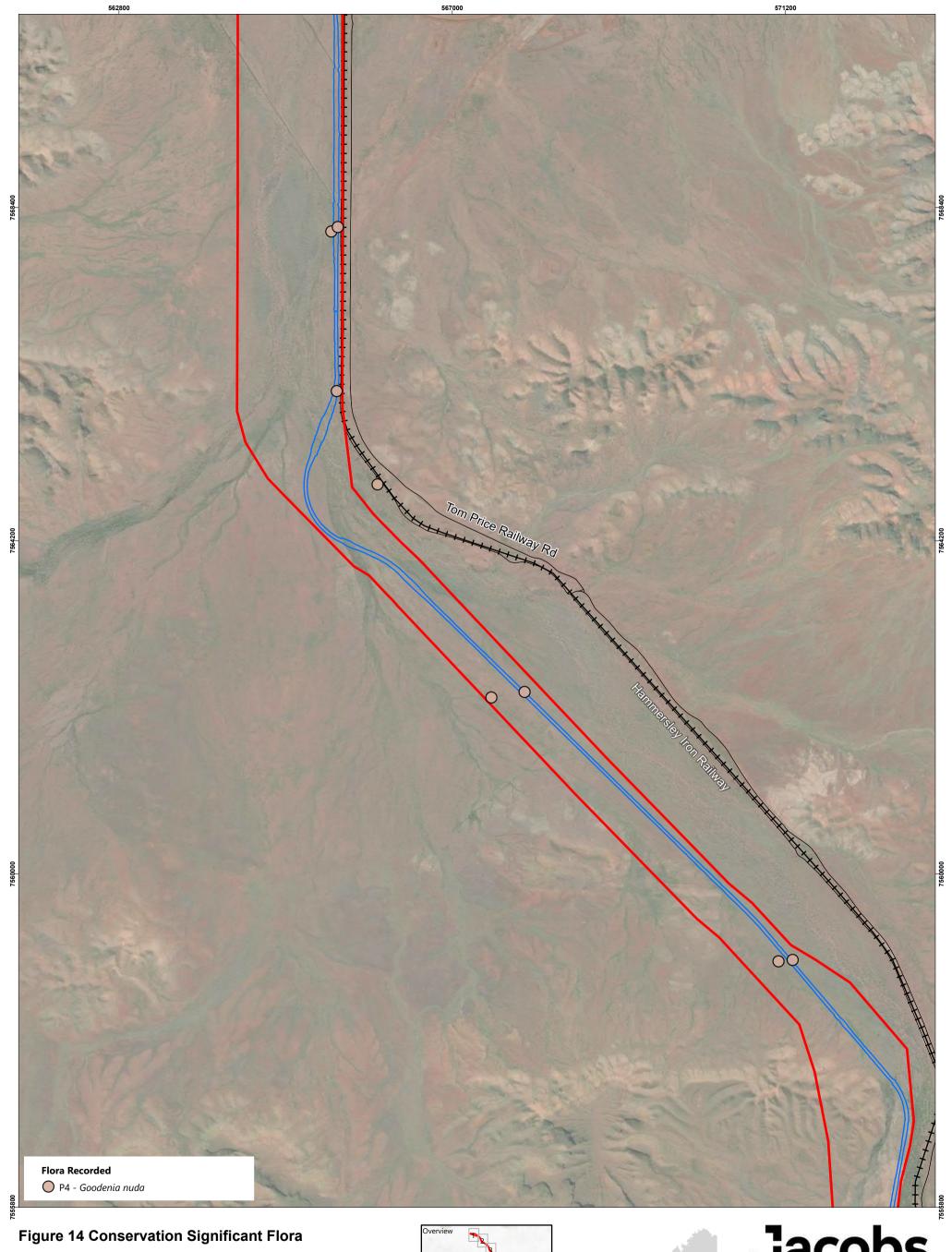




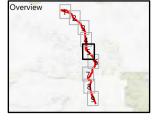
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- Roads
- → Railways
- □ Disturbance Footprint
- Development Envelope





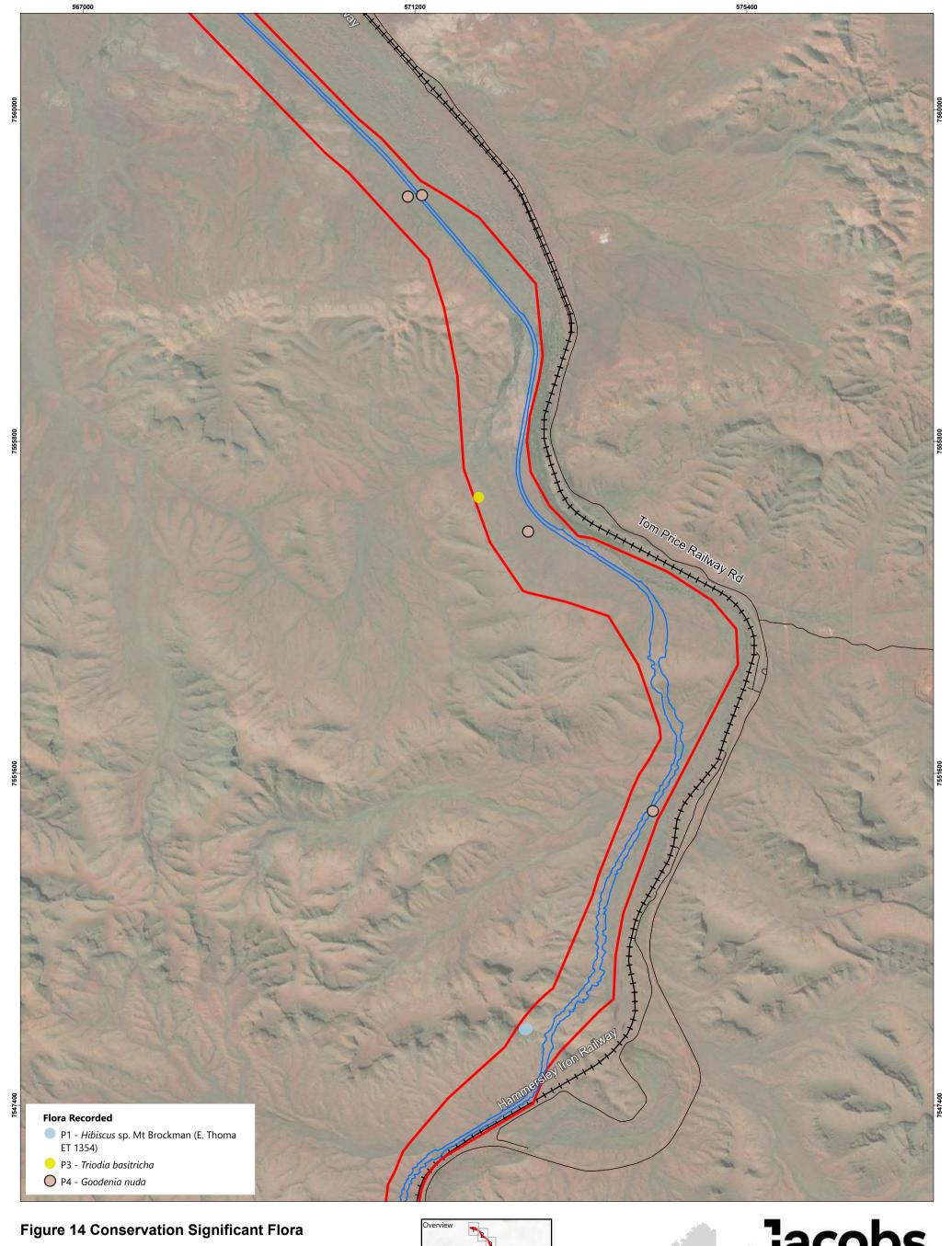


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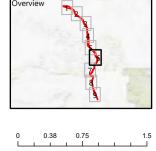
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- Roads
- → Railways
- Disturbance Footprint
- Development Envelope





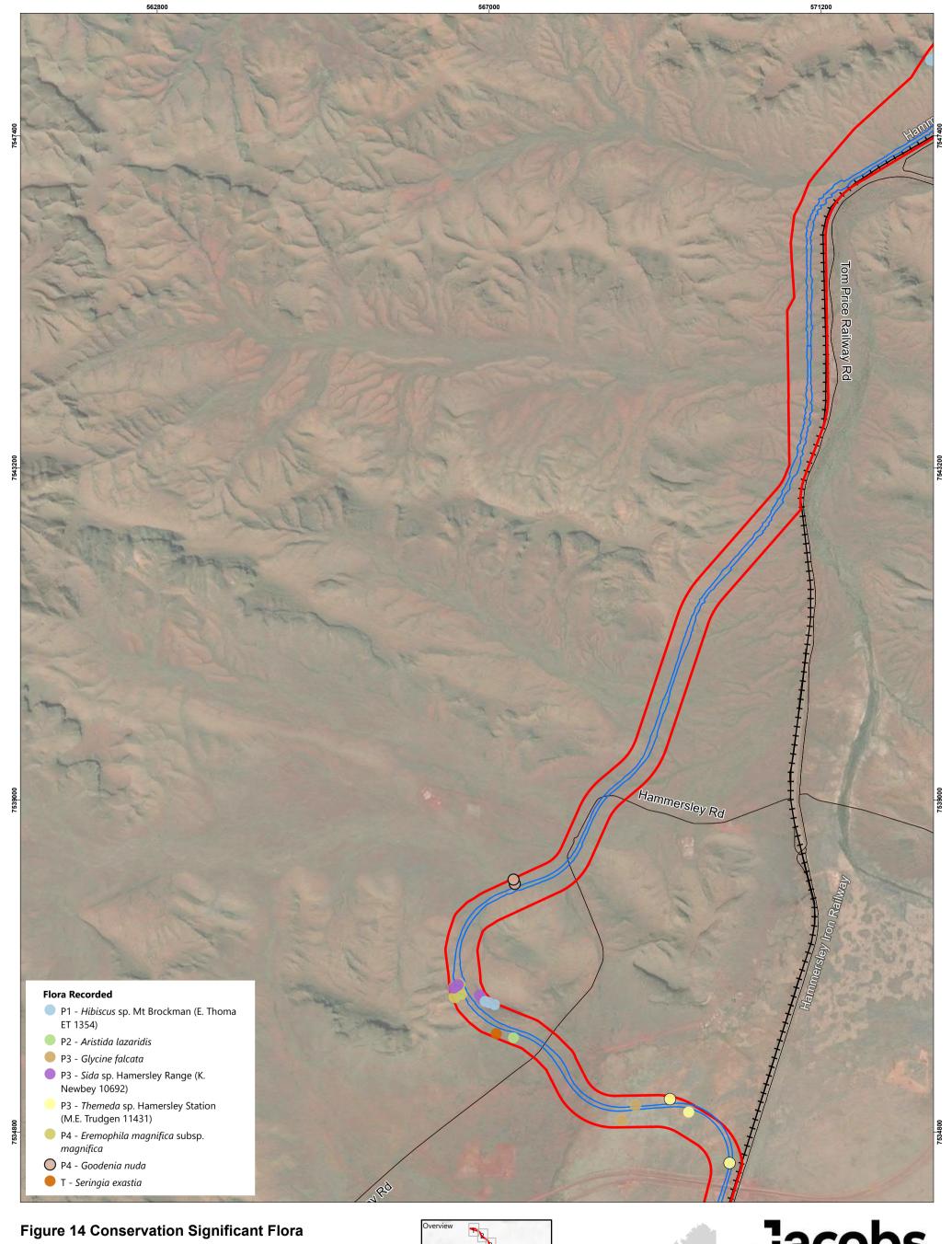
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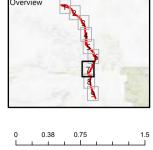
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- Roads
- → Railways
- Disturbance Footprint
- Development Envelope







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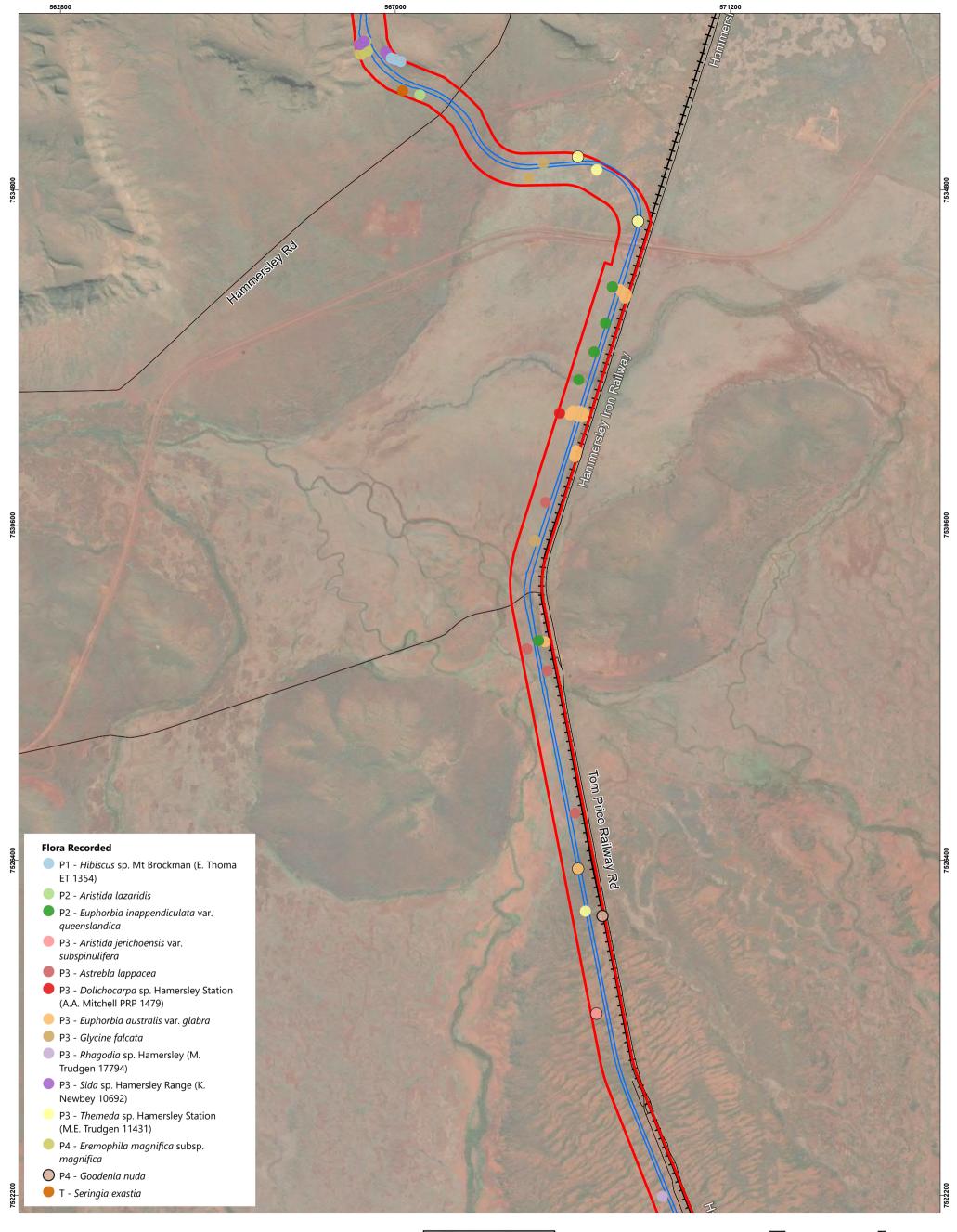
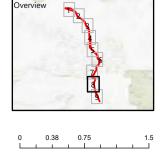


Figure 14 Conservation Significant Flora

Legend

- Roads
- → Railways
- □ Disturbance Footprint
- Development Envelope





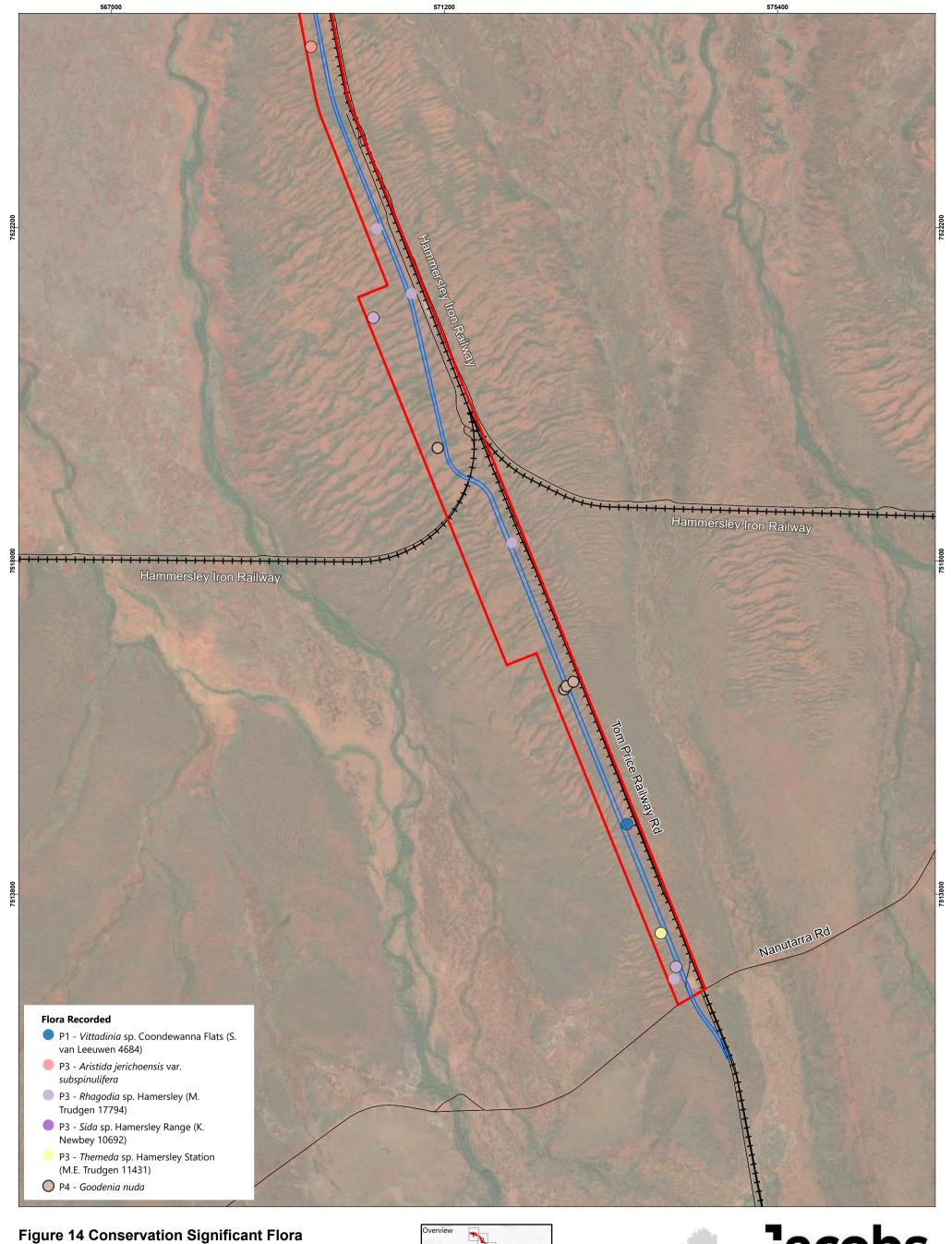


Jacobs

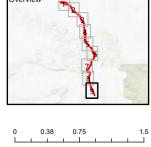
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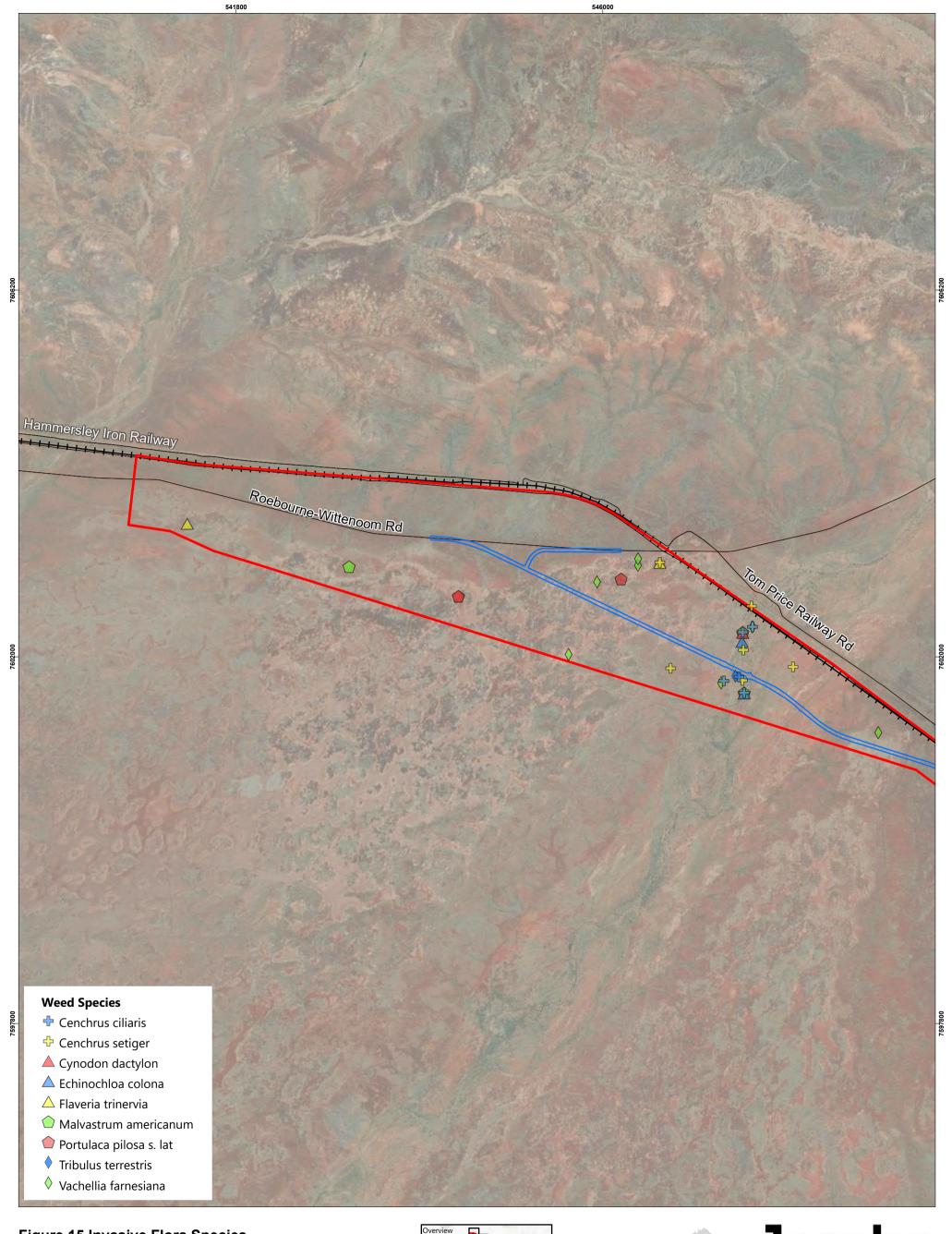
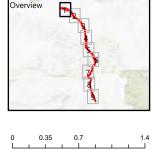


Figure 15 Invasive Flora Species

Legend

- Roads
- → Railways
- □ Disturbance Footprint
- Development Envelope



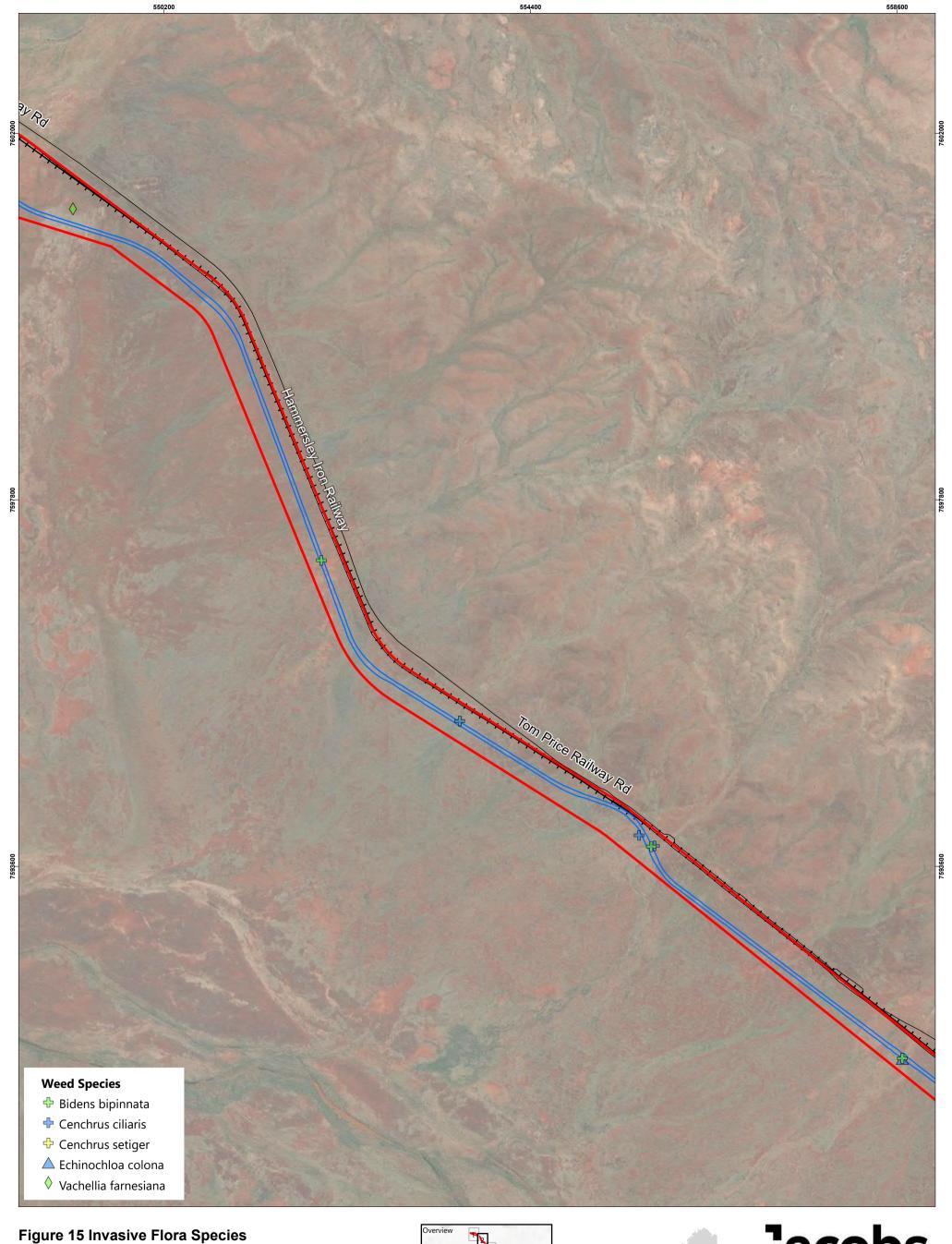




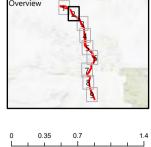
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- Roads
- → Railways
- Disturbance Footprint
- Development Envelope



Kilometres

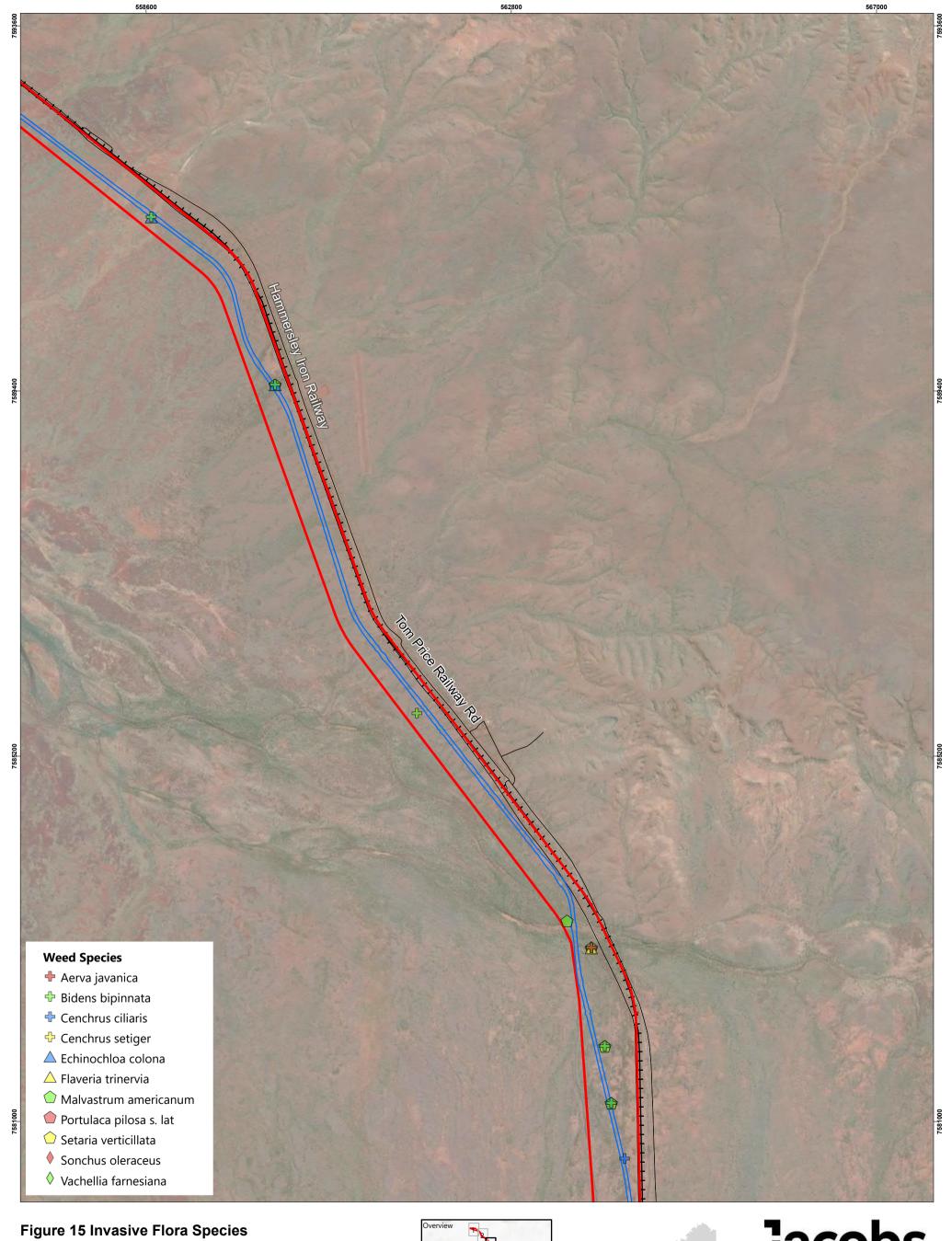




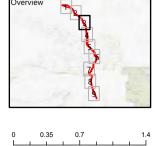
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- Roads
- → Railways
- □ Disturbance Footprint
- Development Envelope



Kilometres



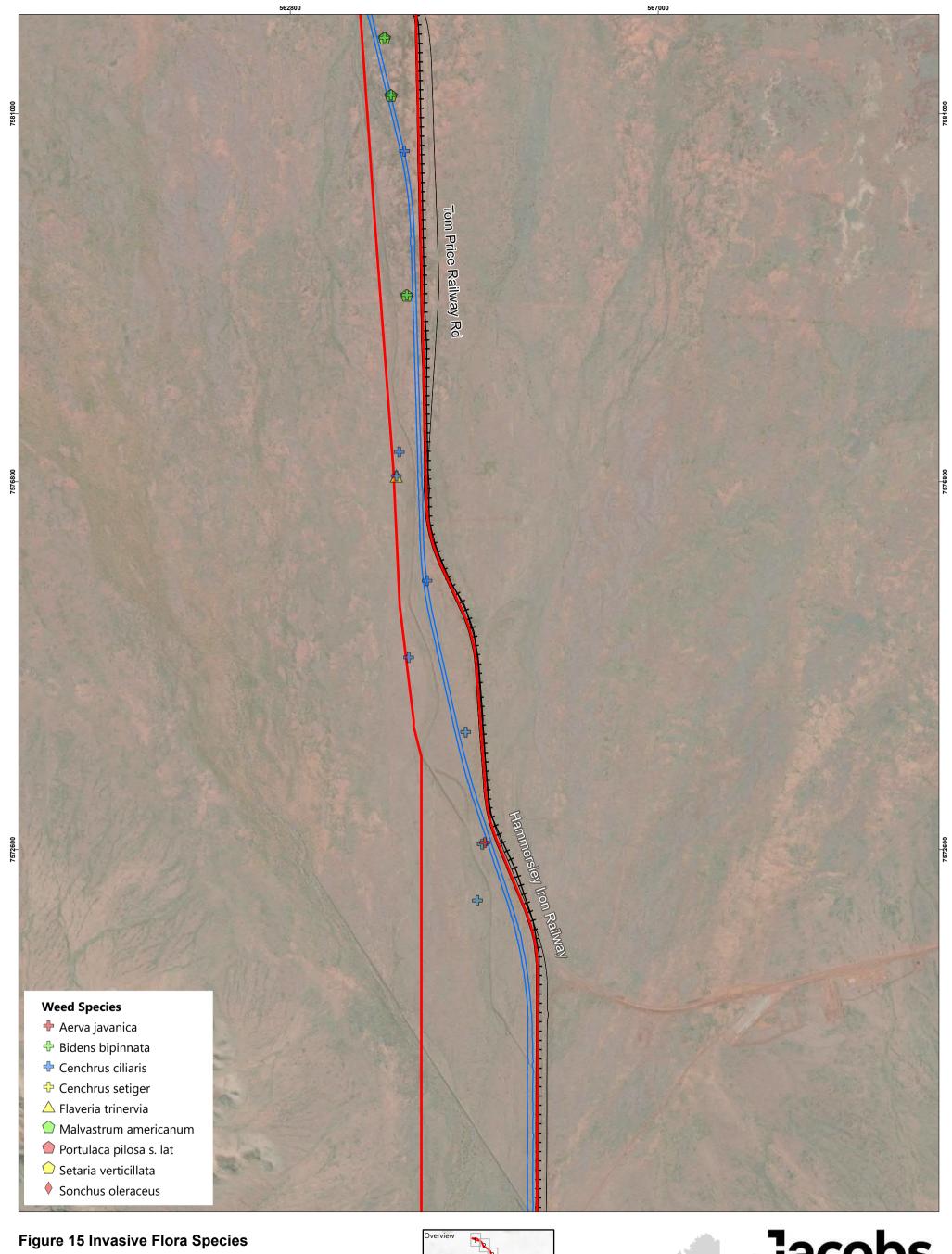
KARRATHA



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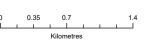
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- Roads
- → Railways
- Disturbance Footprint
- Development Envelope



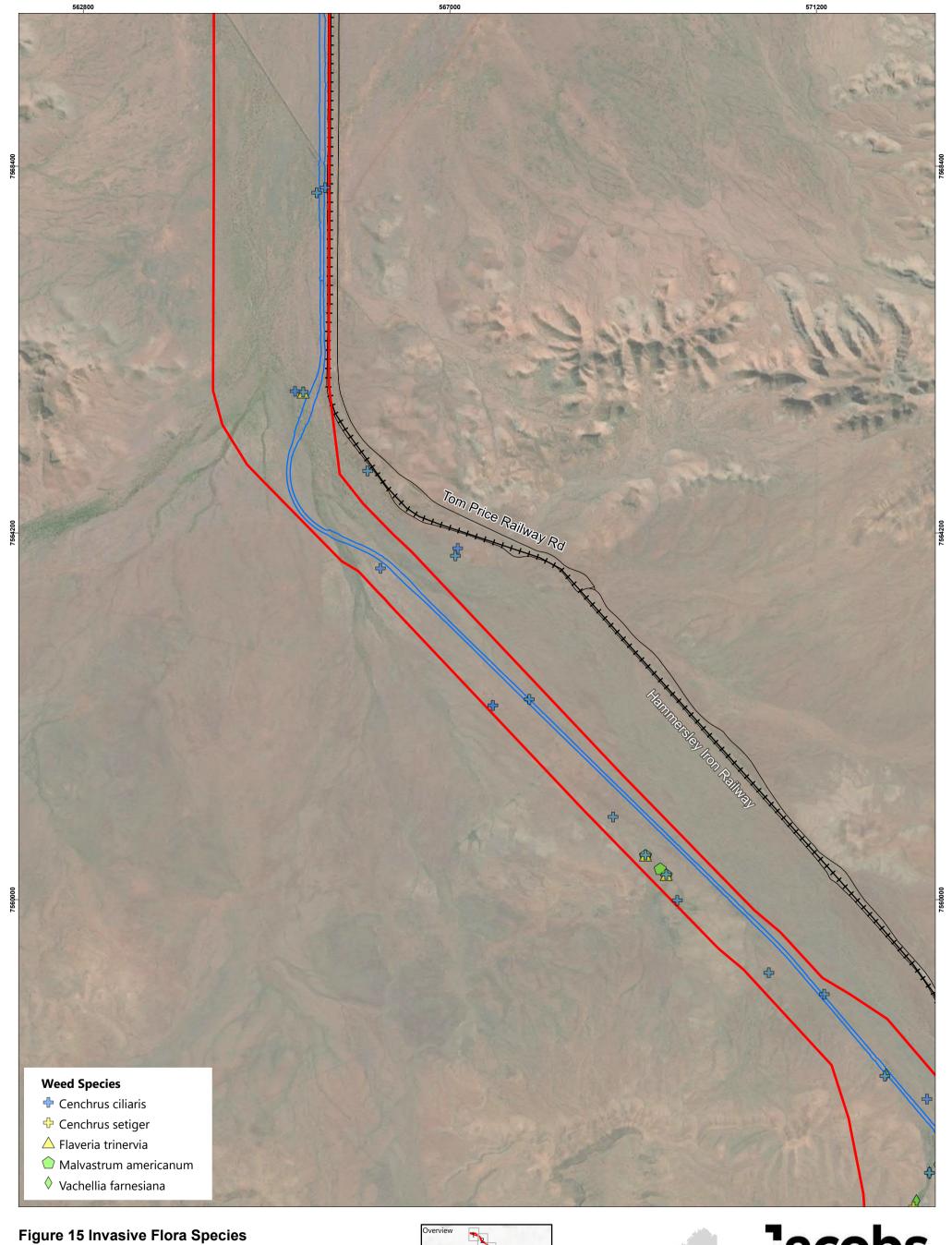




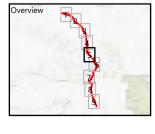
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- Roads
- → Railways
- □ Disturbance Footprint
- Development Envelope



Kilometres

0.35

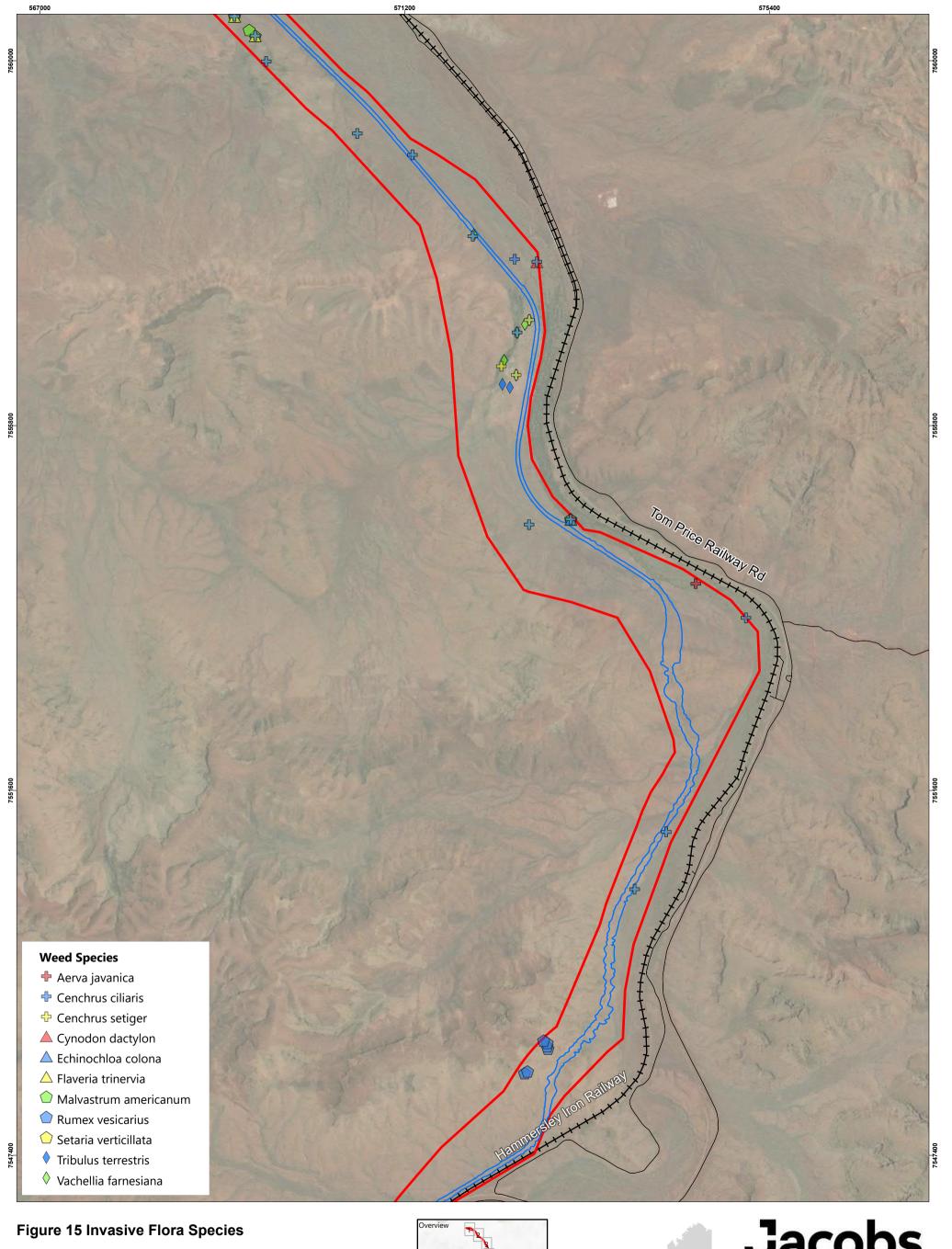


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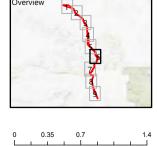
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- Roads
- → Railways
- Disturbance Footprint
- Development Envelope



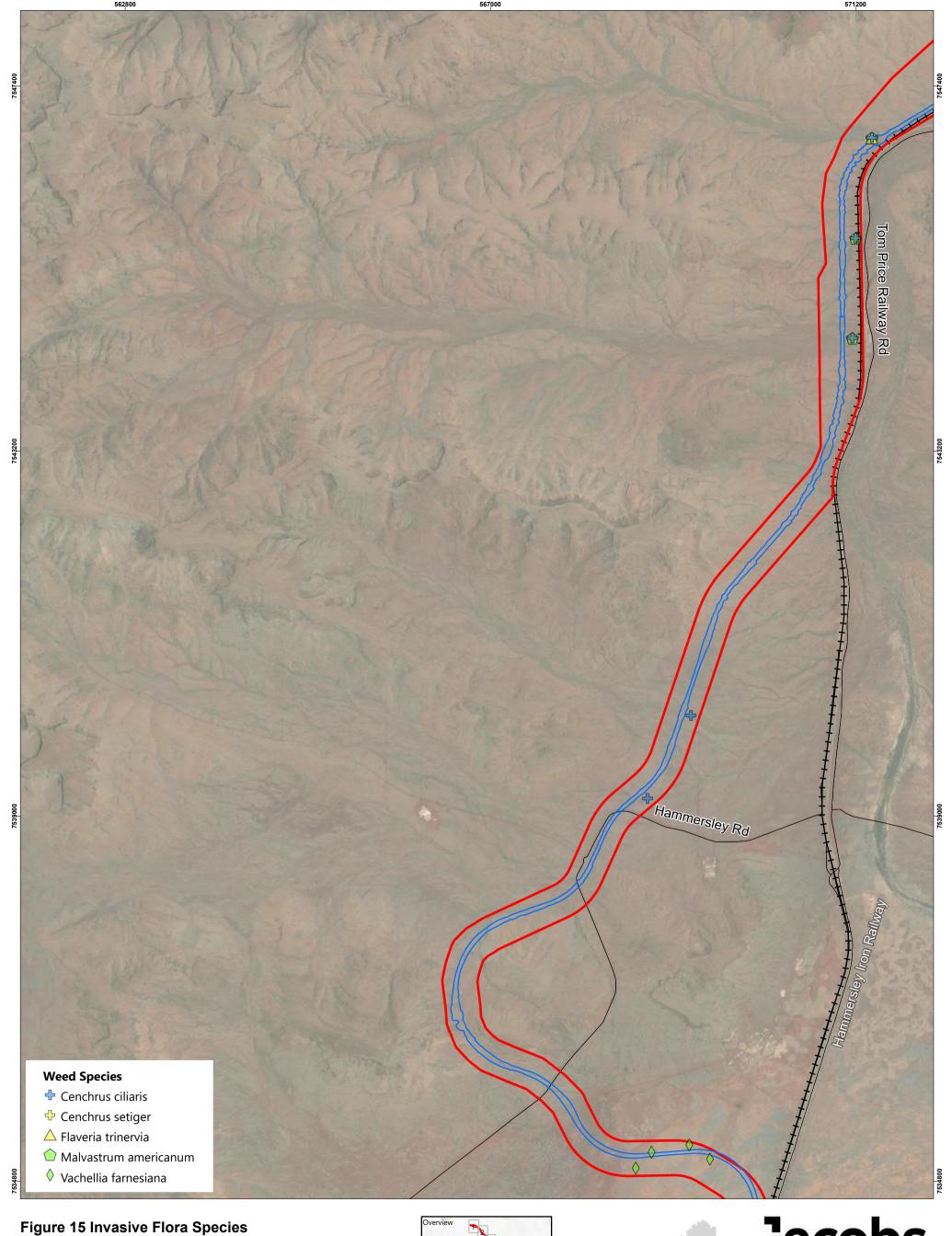




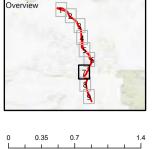
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- Roads
- → Railways
- Disturbance Footprint
- Development Envelope



Kilometres

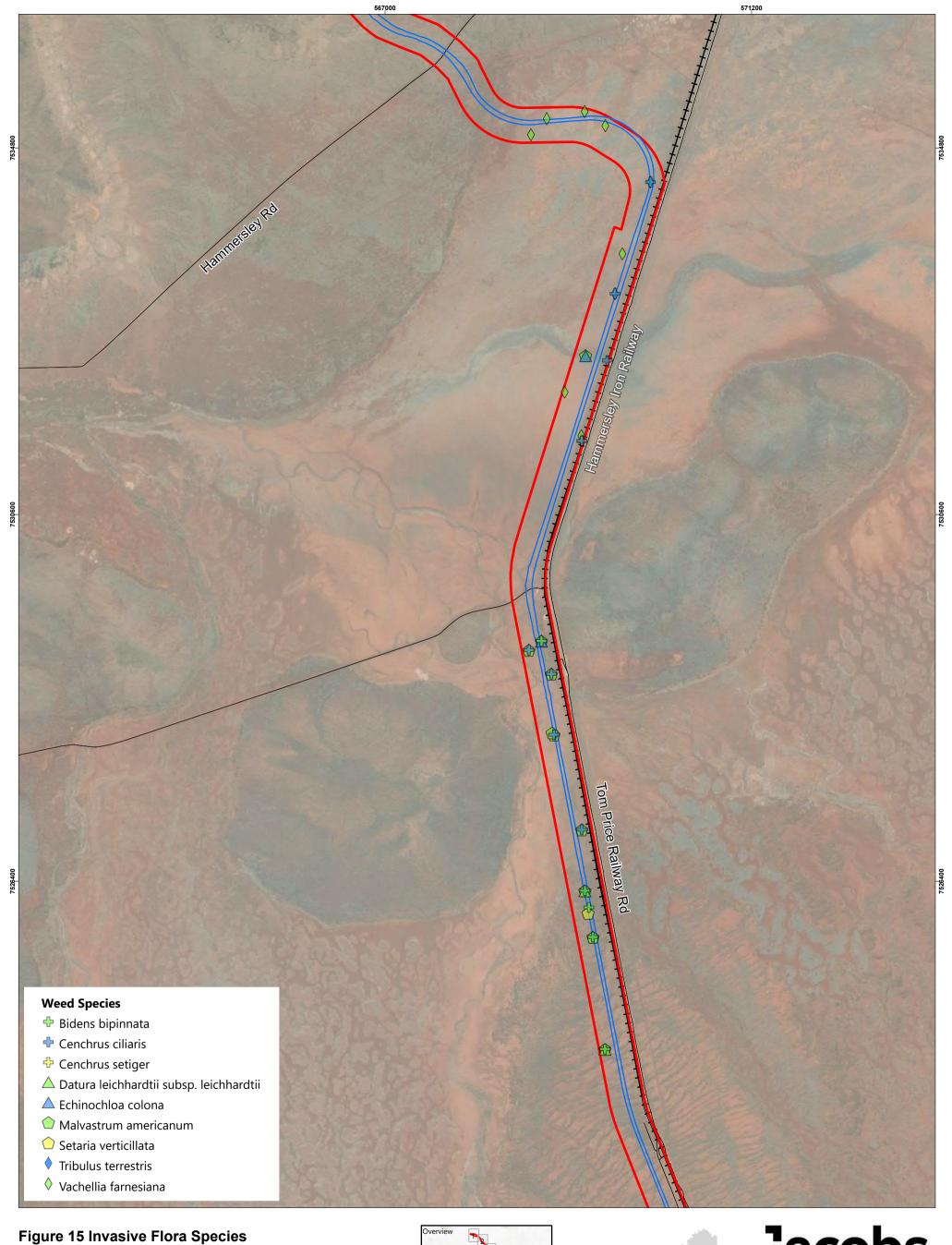




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- Roads
- → Railways
- □ Disturbance Footprint
- Development Envelope





KARRATHA

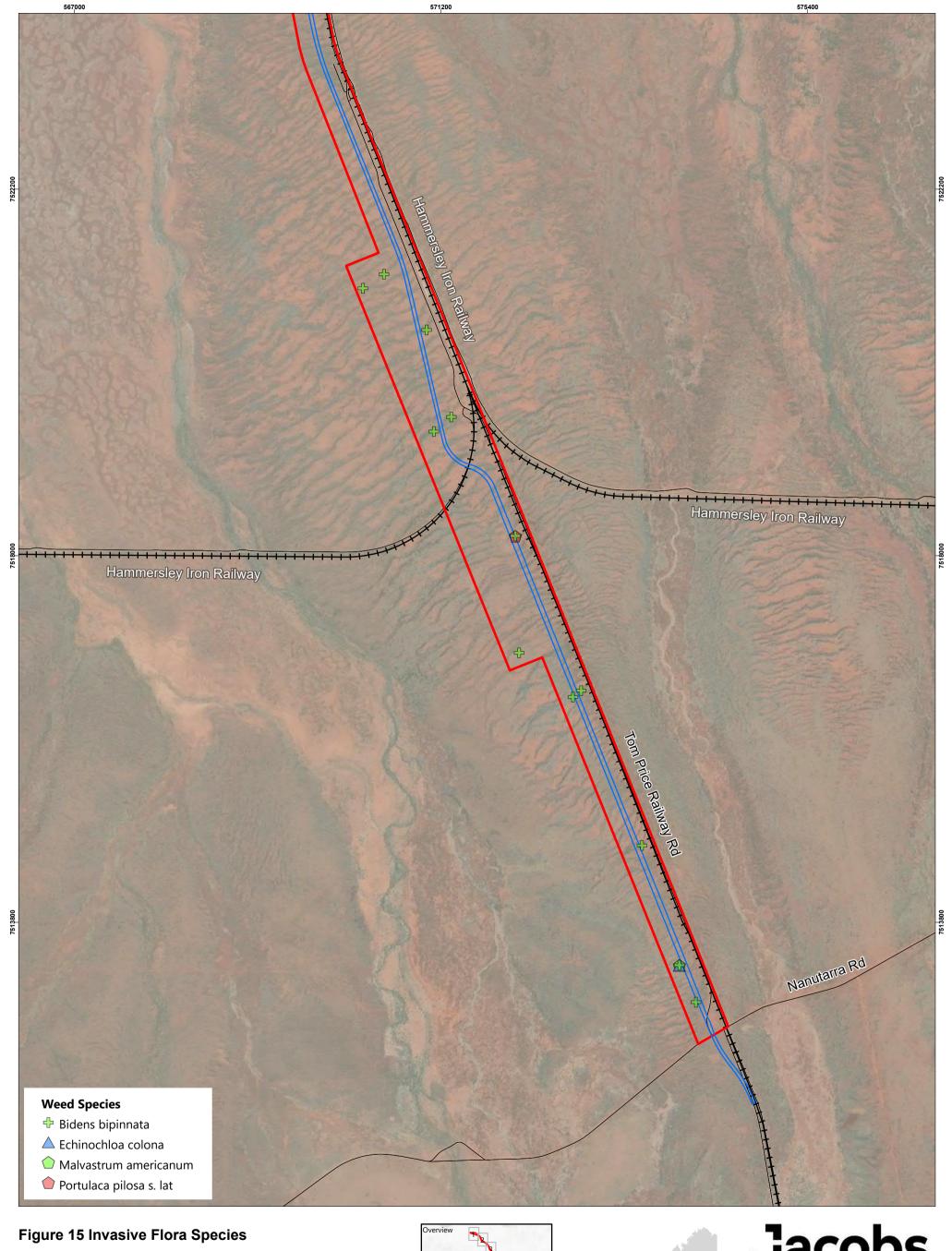
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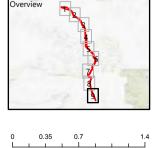
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- Development Envelope



Kilometres

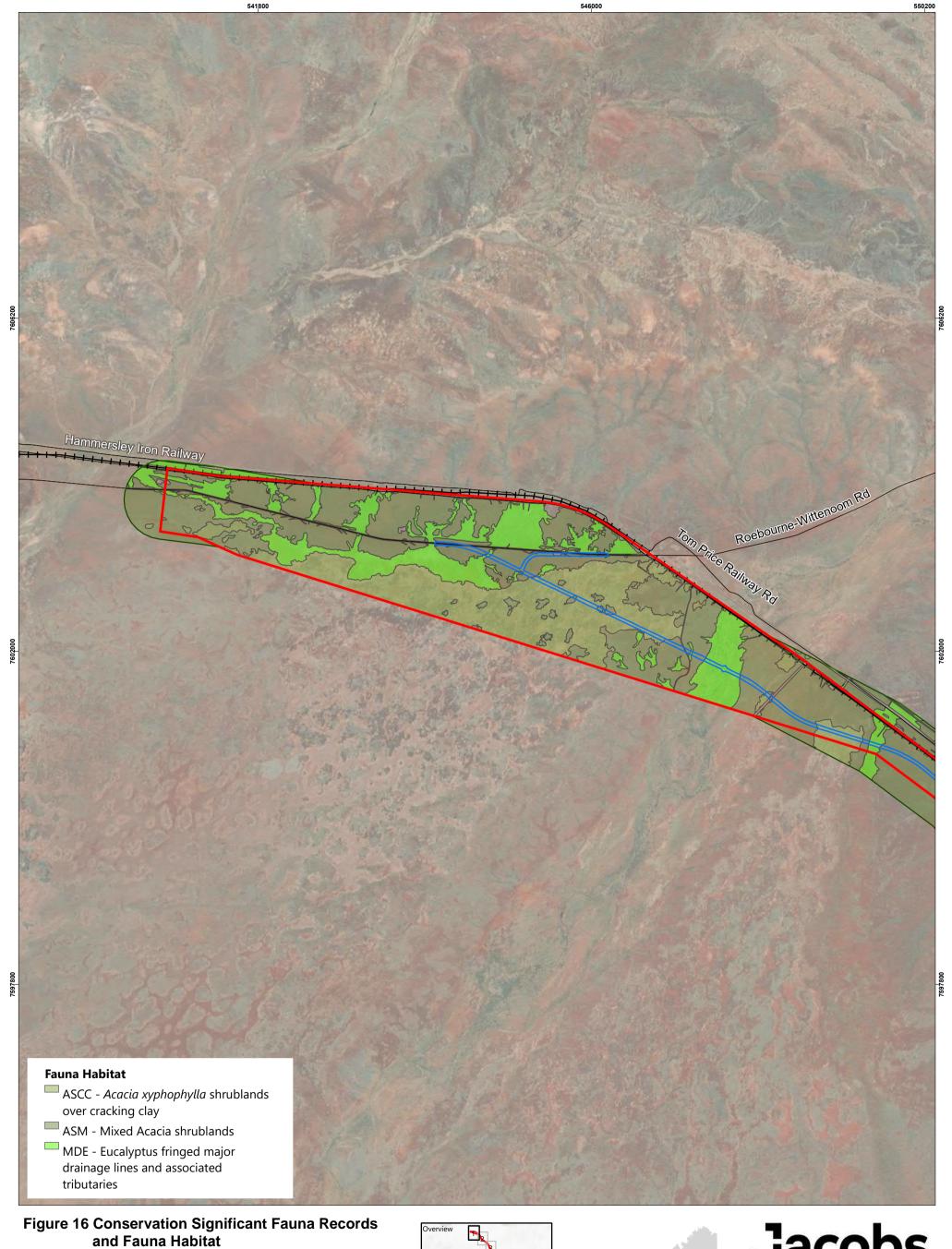




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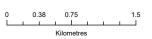
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- → Railways
- Disturbance Footprint
- Development Envelope
- ☐ Fauna Habitat Survey Boundary



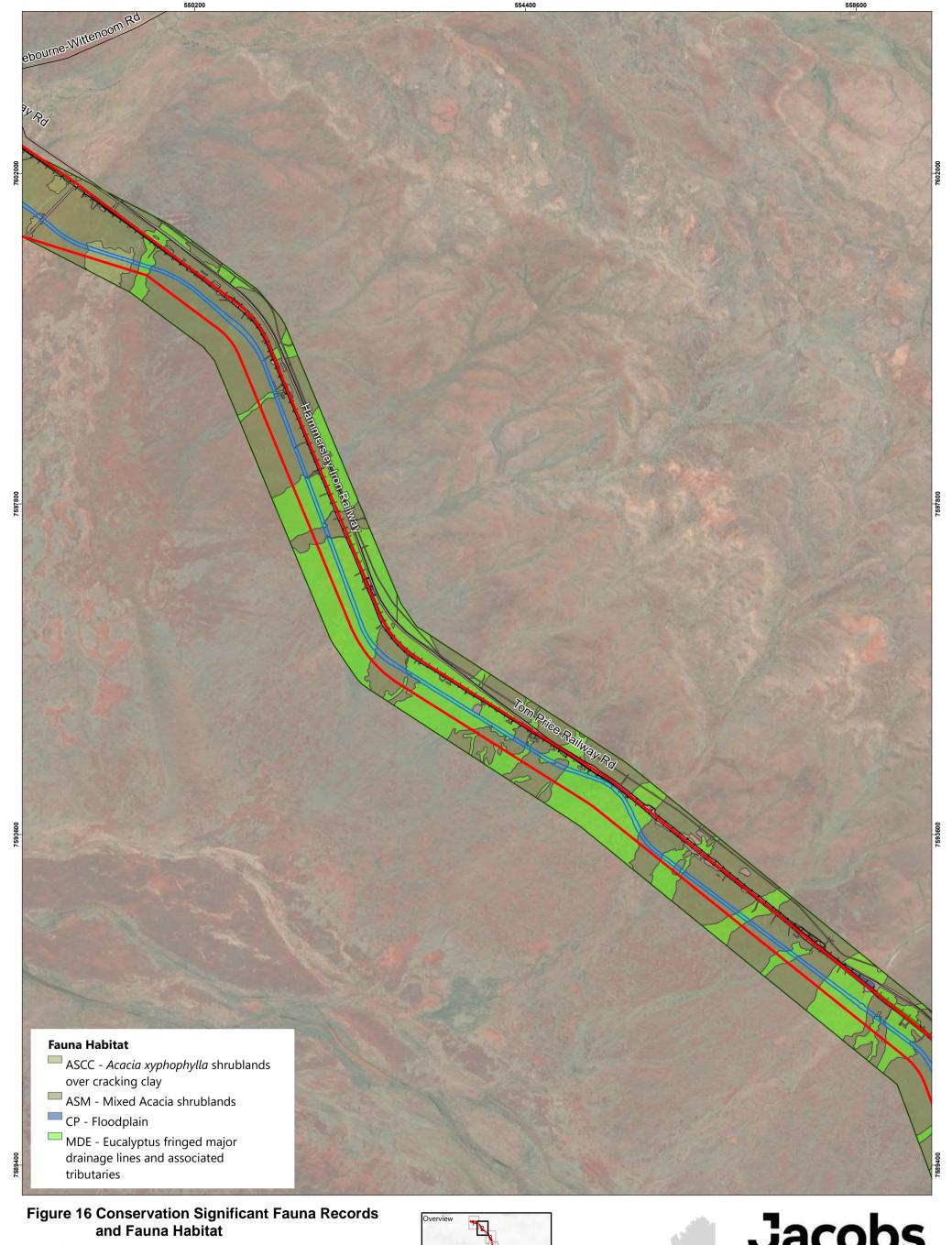




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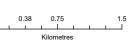
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- Roads
- → Railways
- Disturbance Footprint
- Development Envelope
- ☐ Fauna Habitat Survey Boundary



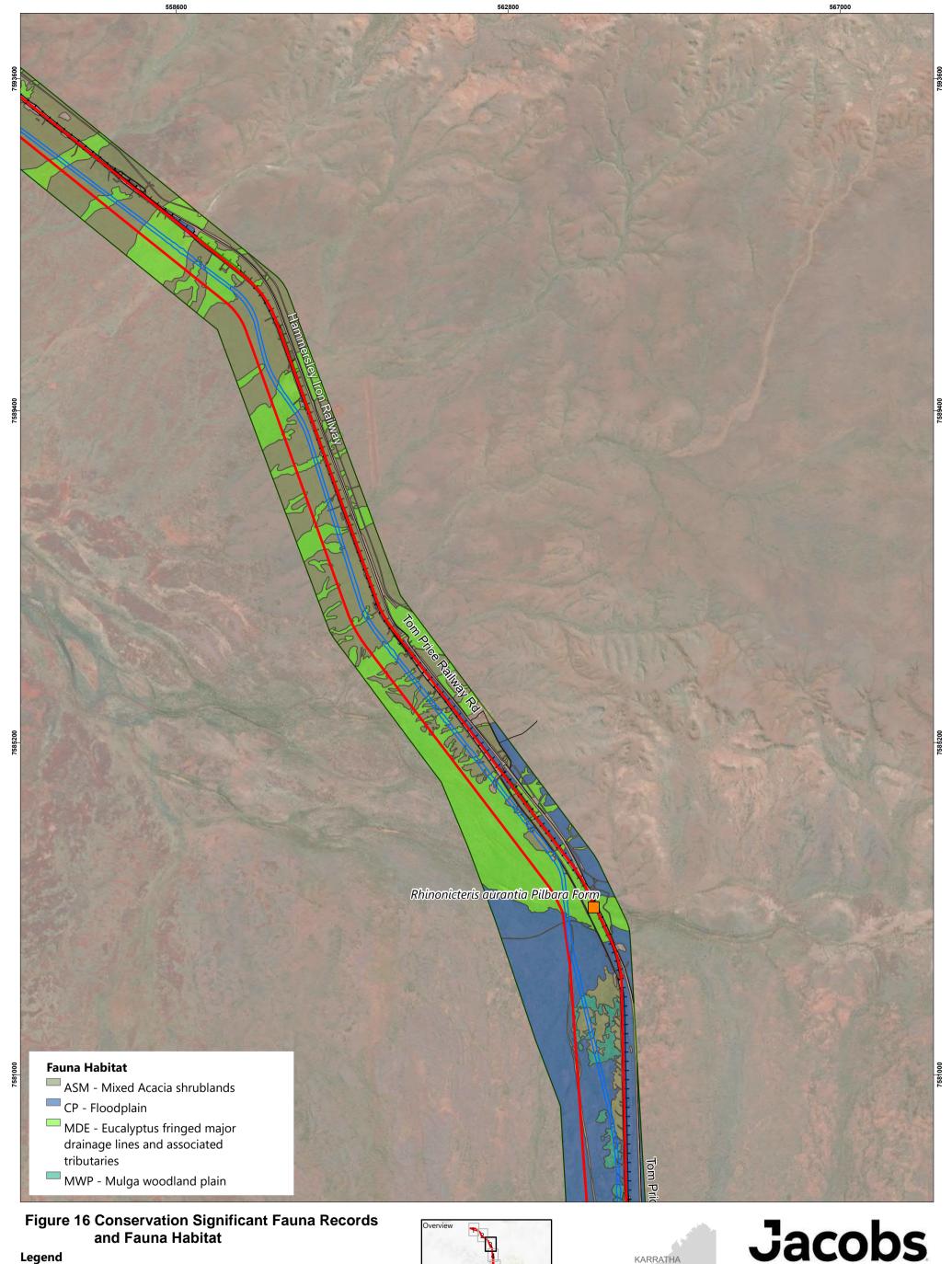






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- ☐ Fauna Habitat Survey Boundary



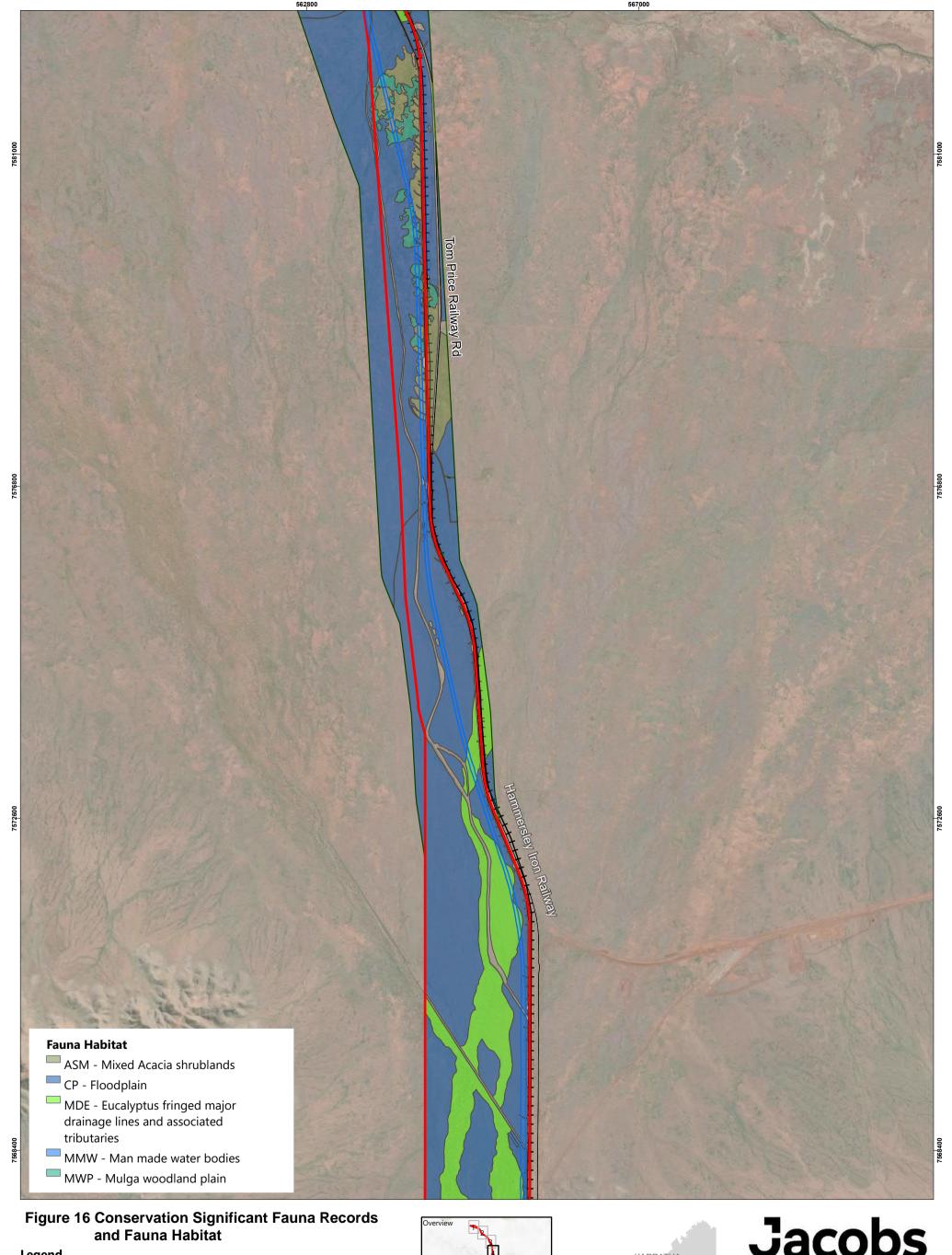




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— Roads

→ Railways

Disturbance Footprint

■ Development Envelope

☐ Fauna Habitat Survey Boundary



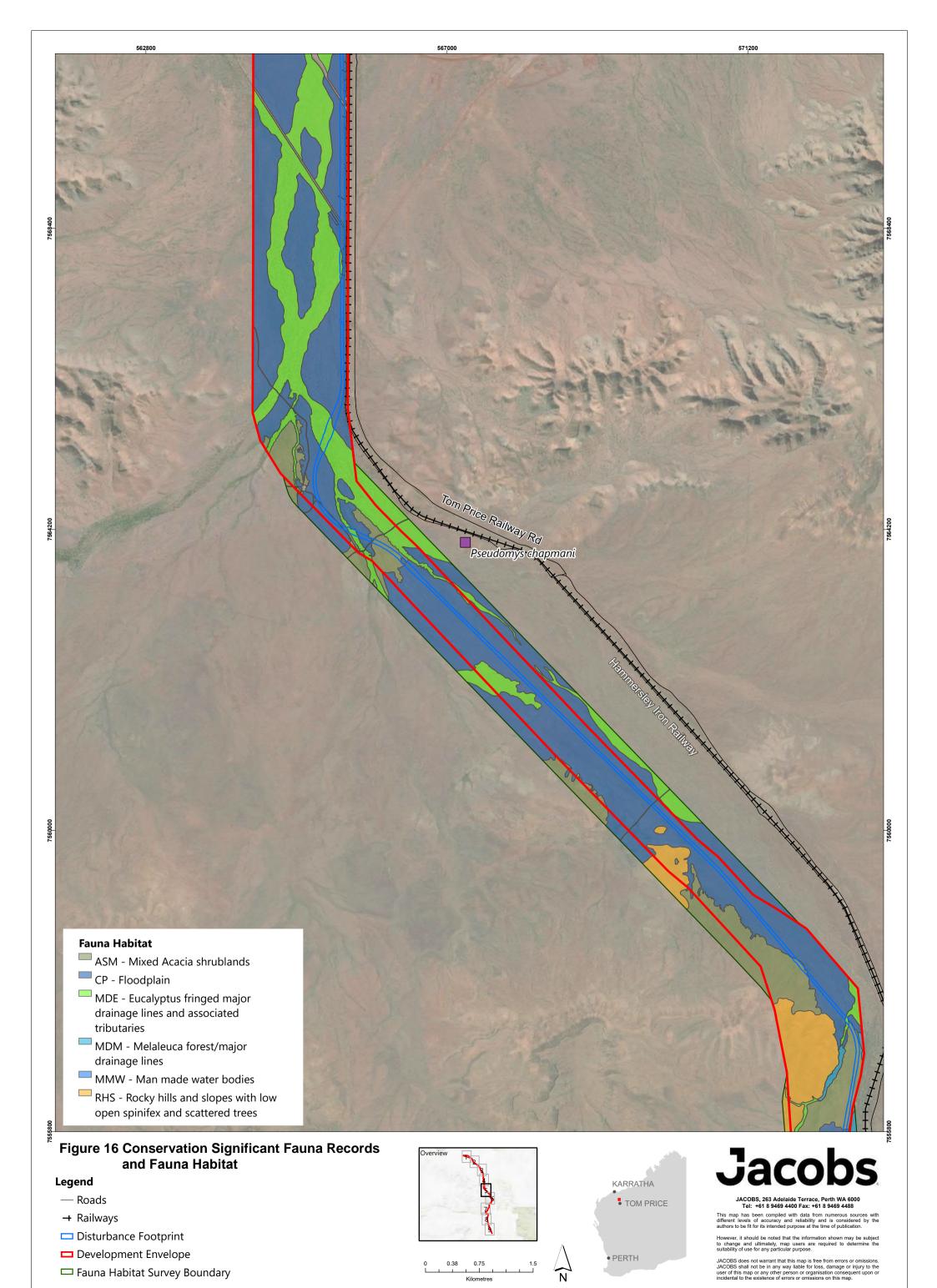


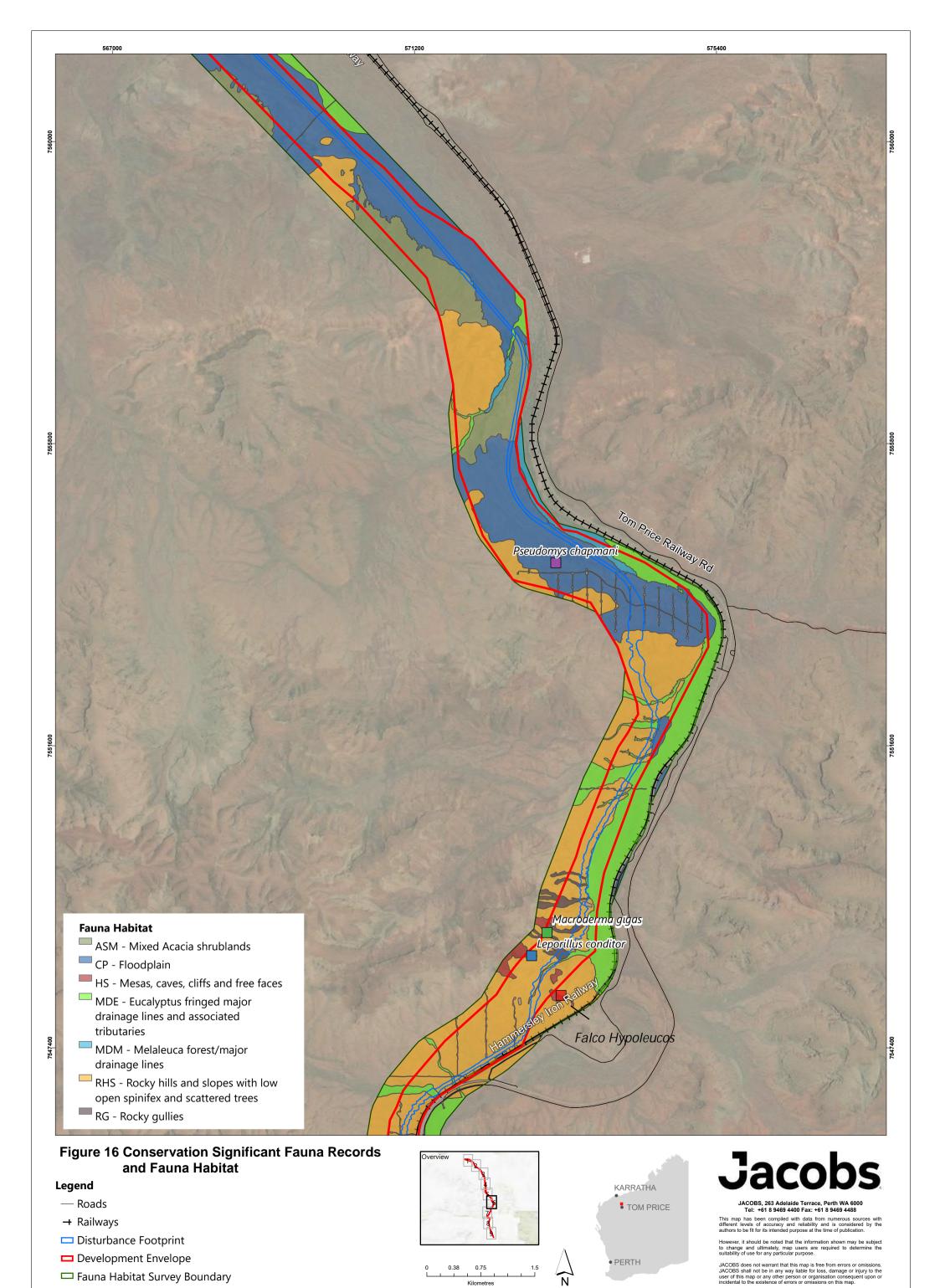


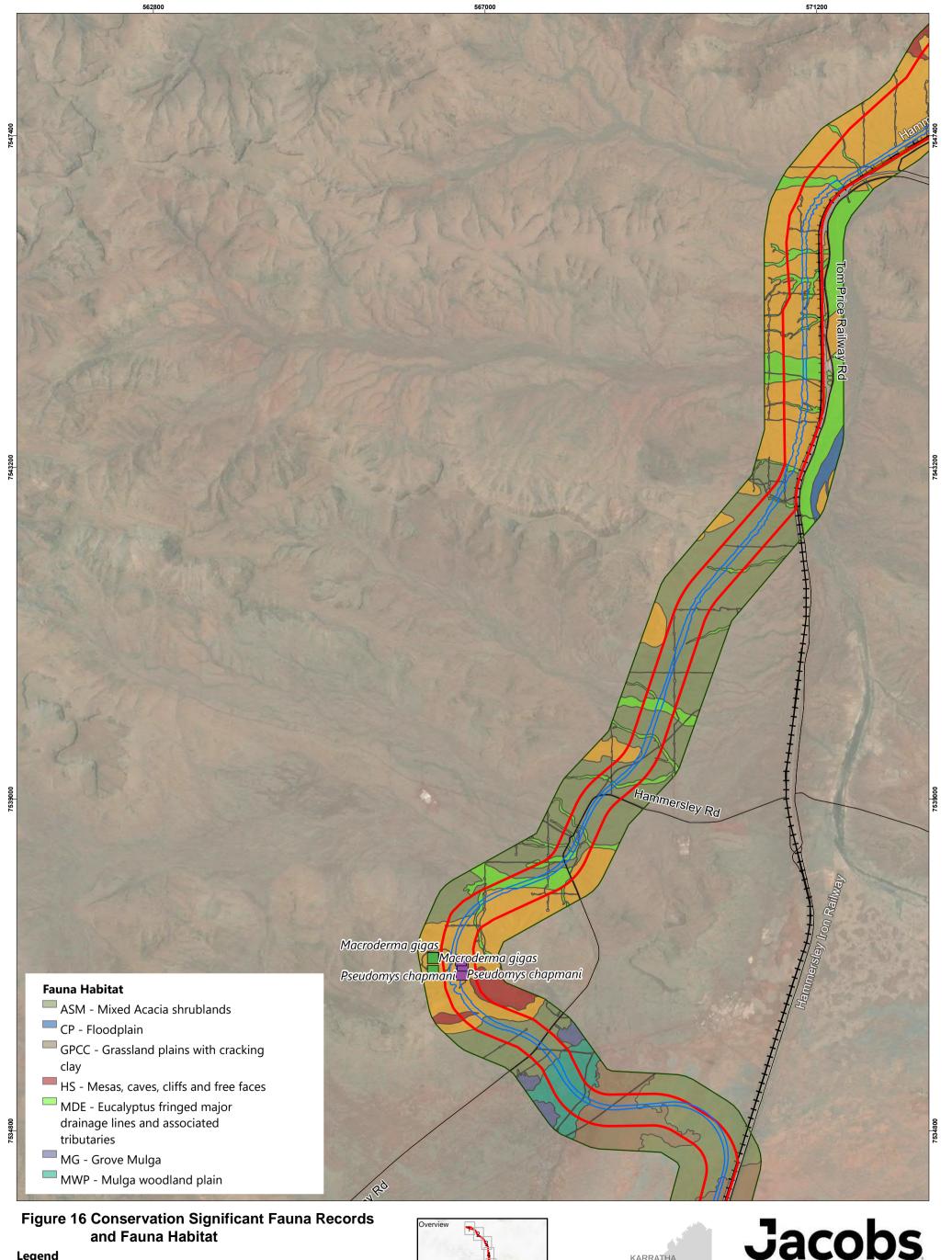
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- + Railways
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- ☐ Fauna Habitat Survey Boundary

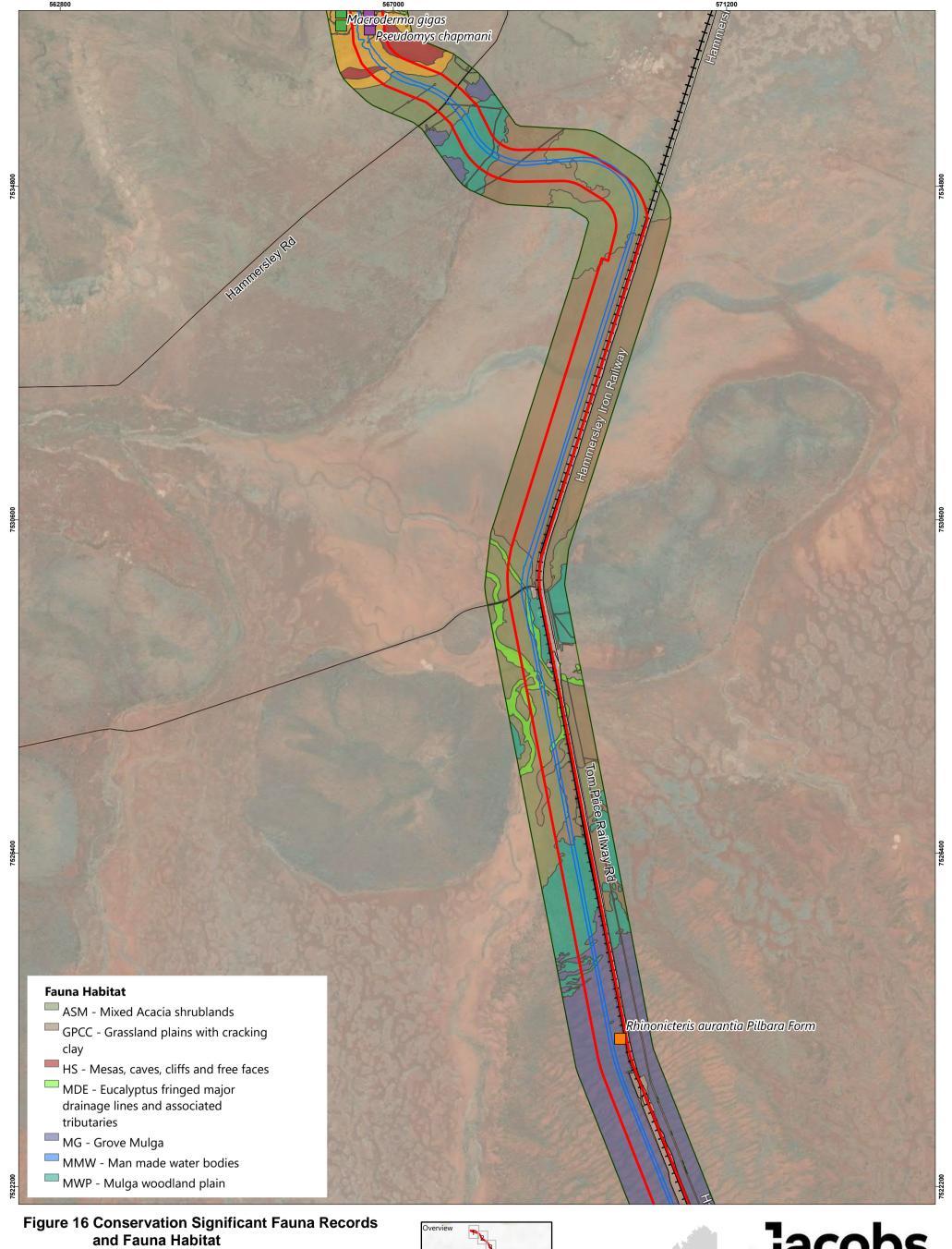




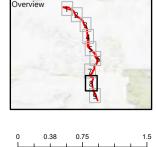


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- → Railways
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- ☐ Fauna Habitat Survey Boundary





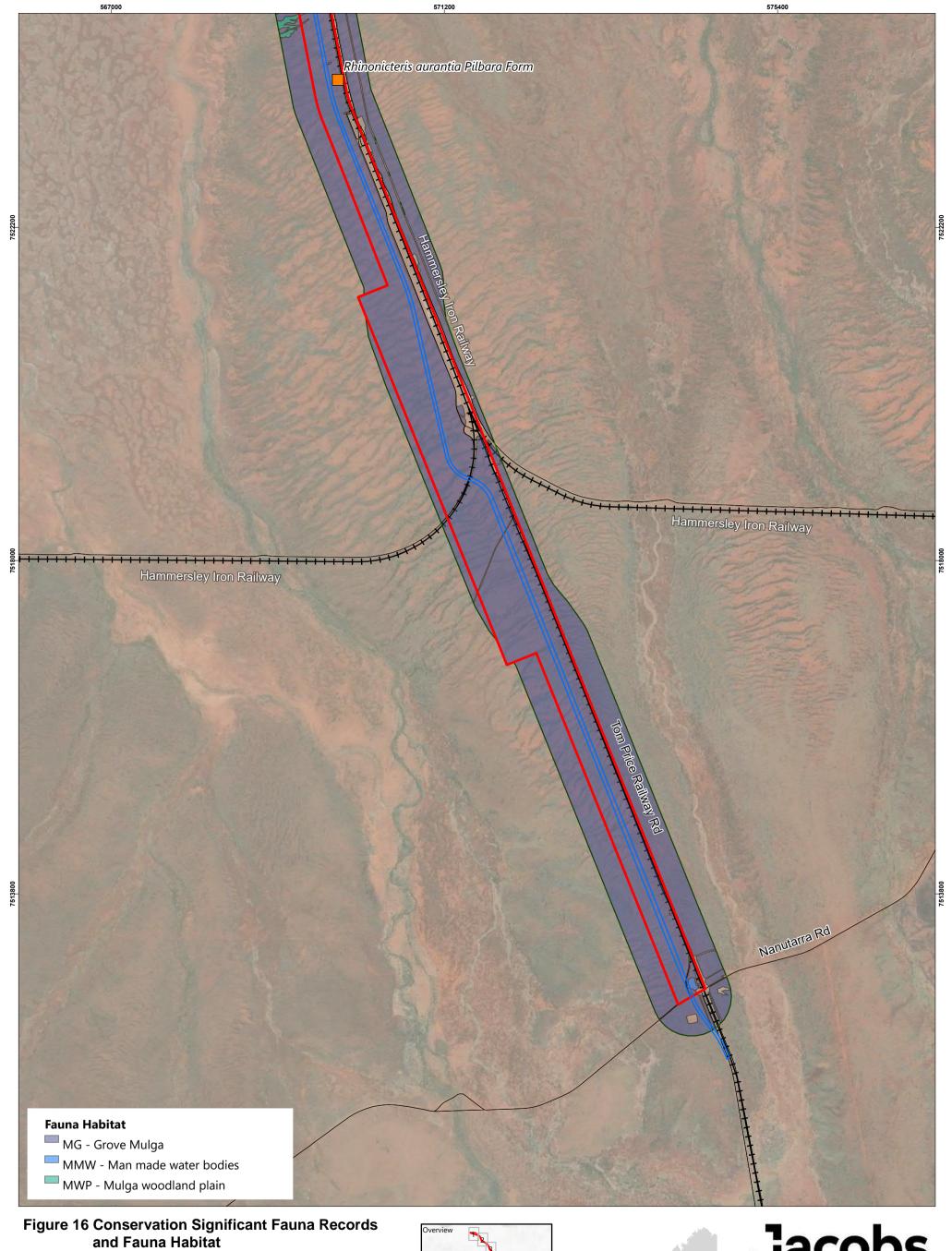




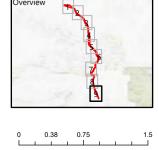
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- ☐ Fauna Habitat Survey Boundary



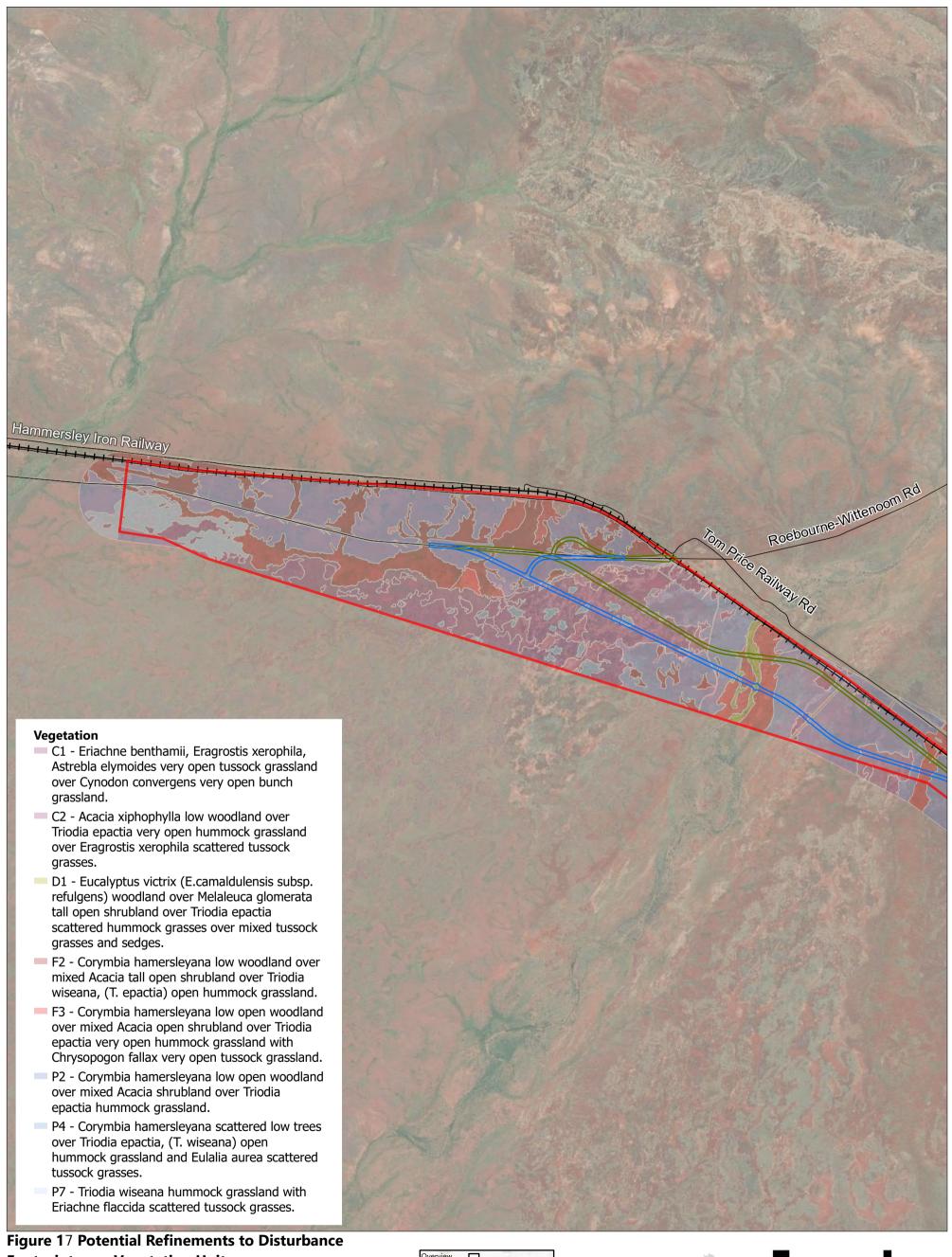




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Legend

→ Railways Alternate Disturbance Footprint A — Roads ☐ Alternate Disturbance Footprint B

☐ Indicative Disturbance Footprint ☐ Development Envelope



0.75

0.38





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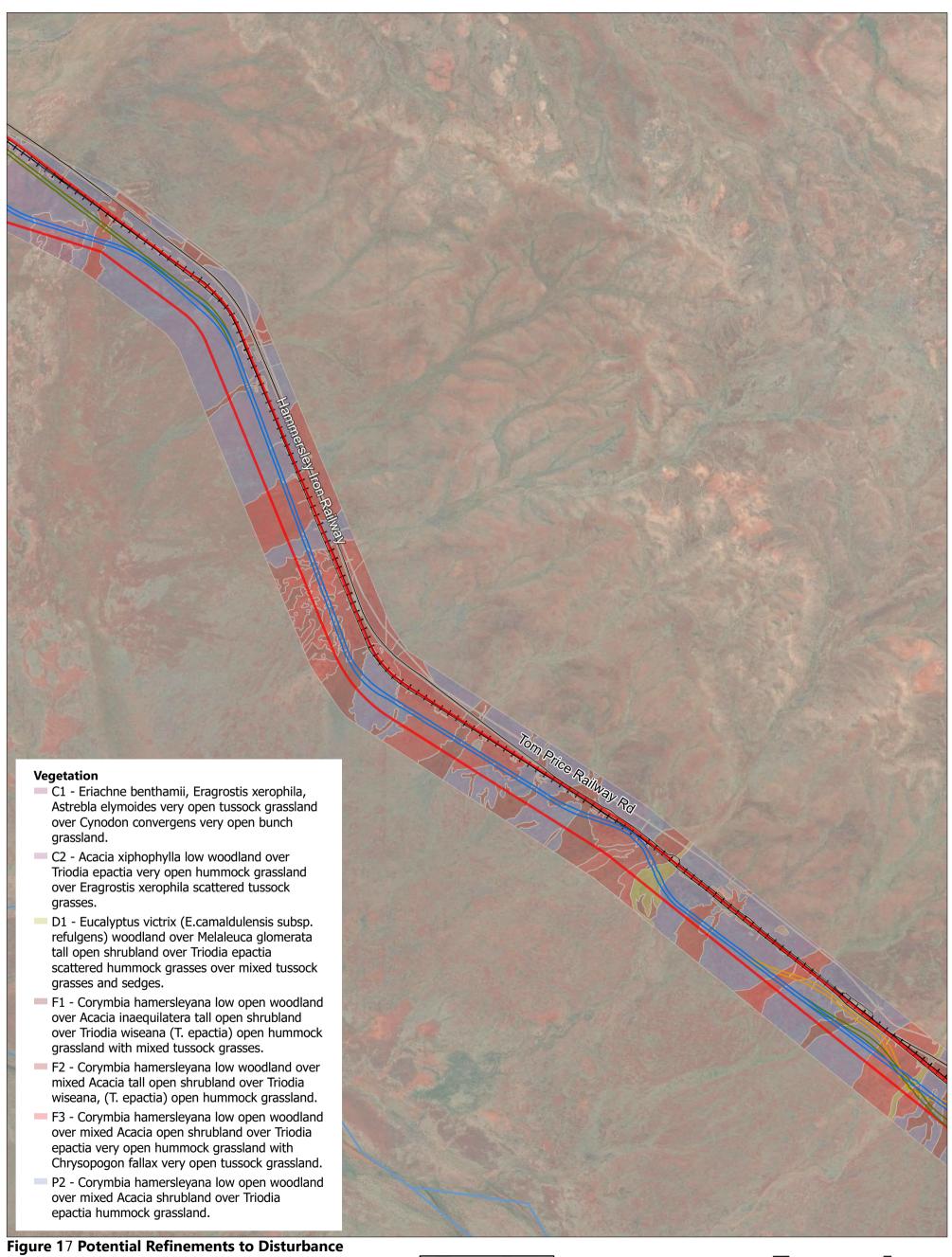


Figure 17 Potential Refinements to Disturbance Footprint over Vegetation Units

Legend

+ Railways

☐ Alternate Disturbance Footprint A

— Roads

☐ Alternate Disturbance Footprint B

□ Development Envelope

Rivers and Creeks

☐ Indicative Disturbance Footprint





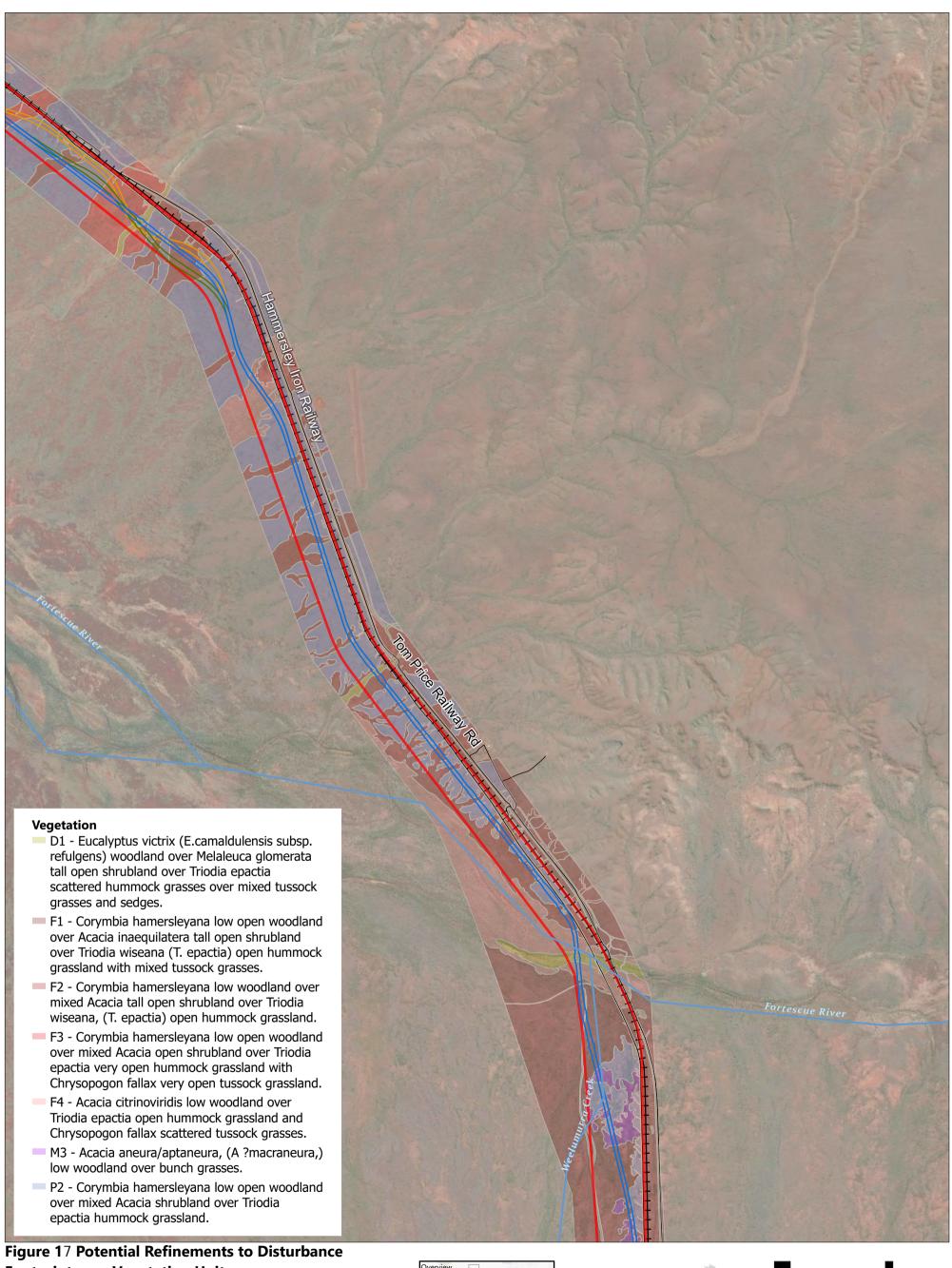


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Legend

→ Railways

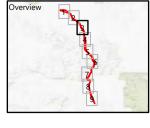
□ Alternate Disturbance Footprint A

- Roads

☐ Alternate Disturbance Footprint B Development Envelope

Rivers and Creeks

■ Indicative Disturbance Footprint



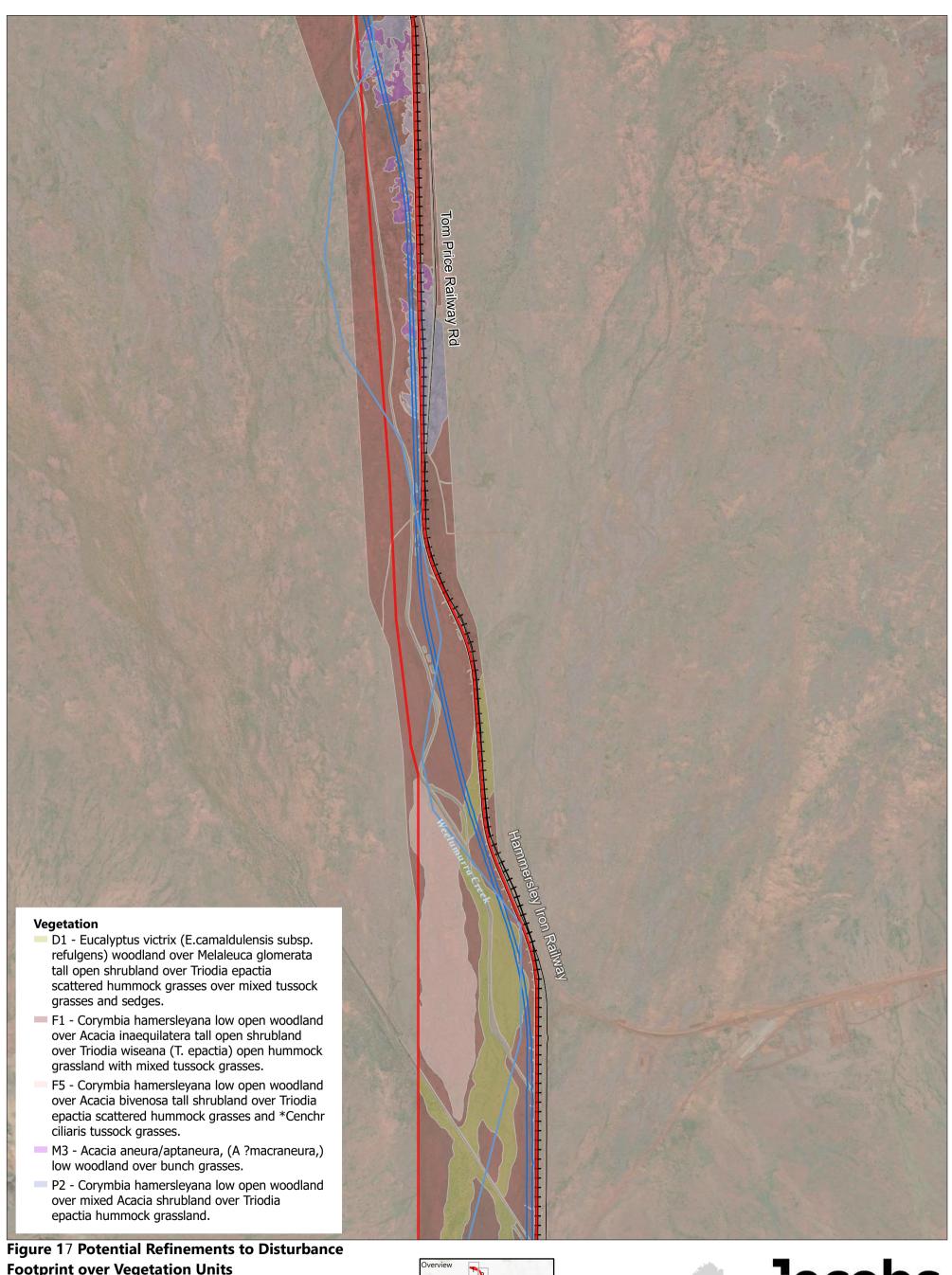




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Legend

→ Railways

☐ Alternate Disturbance Footprint A

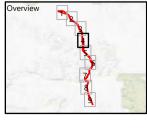
- Roads

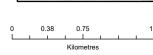
☐ Alternate Disturbance Footprint B

□ Development Envelope

Rivers and Creeks

■ Indicative Disturbance Footprint



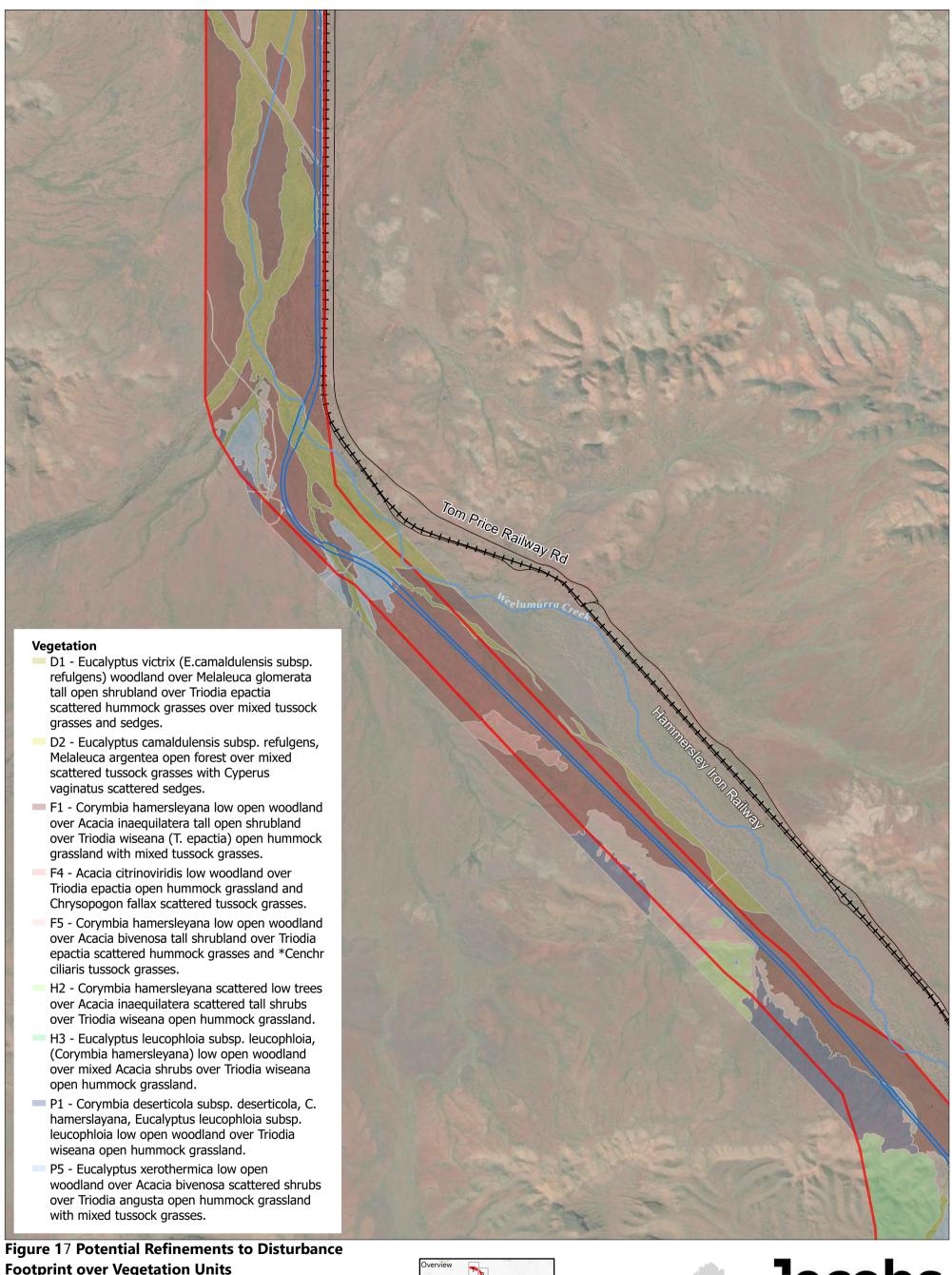




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Legend

+ Railways

☐ Alternate Disturbance Footprint A

— Roads

☐ Alternate Disturbance Footprint B

Development Envelope

Rivers and Creeks

■ Indicative Disturbance Footprint



0.75

0.38

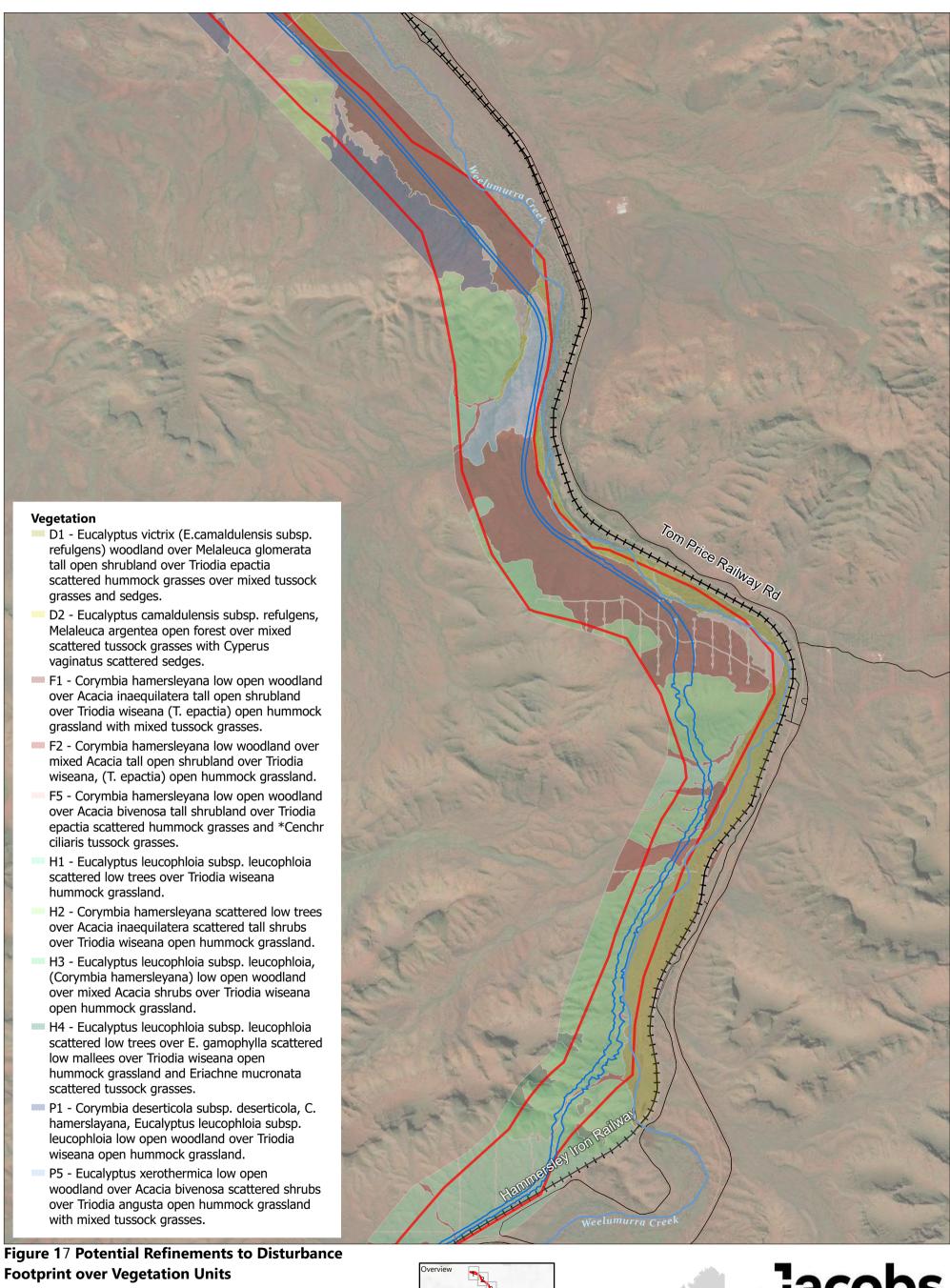




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→ Railways

☐ Alternate Disturbance Footprint A

— Roads

☐ Alternate Disturbance Footprint B

Development Envelope

Rivers and Creeks

■ Indicative Disturbance Footprint



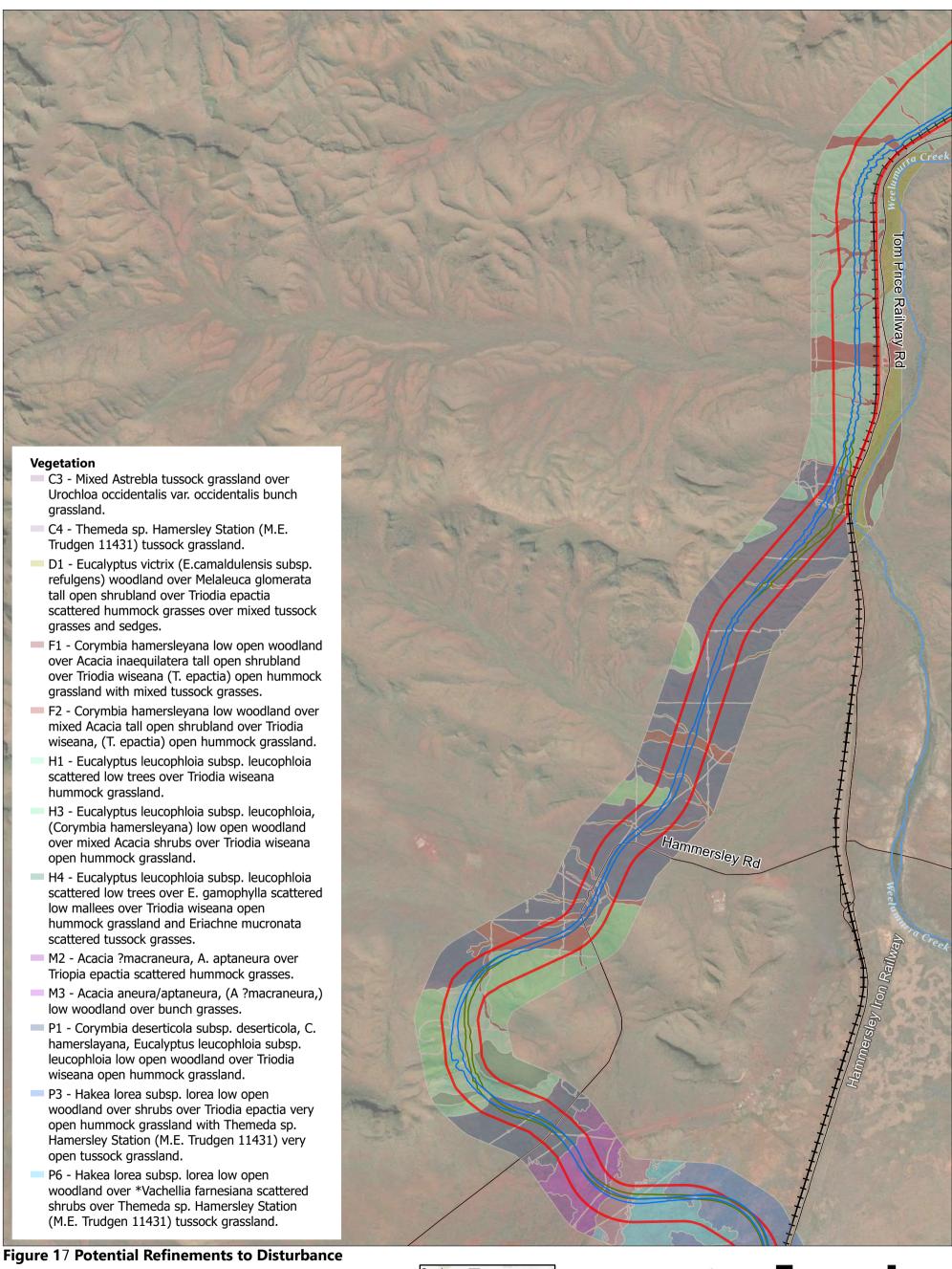
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Legend

→ Railways

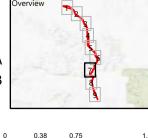
Alternate Disturbance Footprint A

— Roads

☐ Alternate Disturbance Footprint B

Rivers and Creeks

Development Envelope ■ Indicative Disturbance Footprint



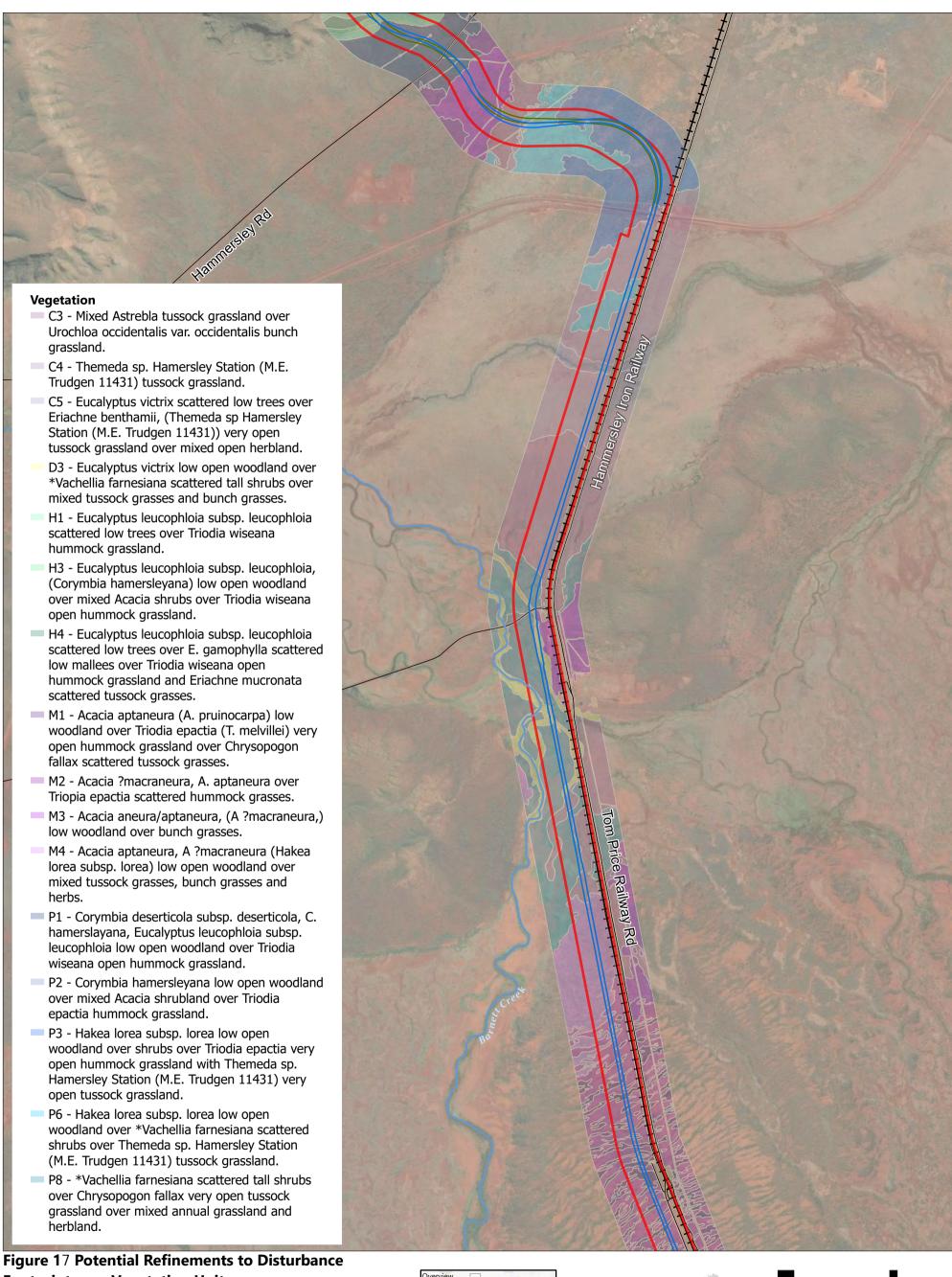




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Legend

→ Railways

Alternate Disturbance Footprint A

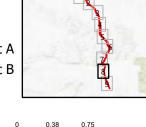
— Roads

☐ Alternate Disturbance Footprint B

Development Envelope

Rivers and Creeks

Indicative Disturbance Footprint



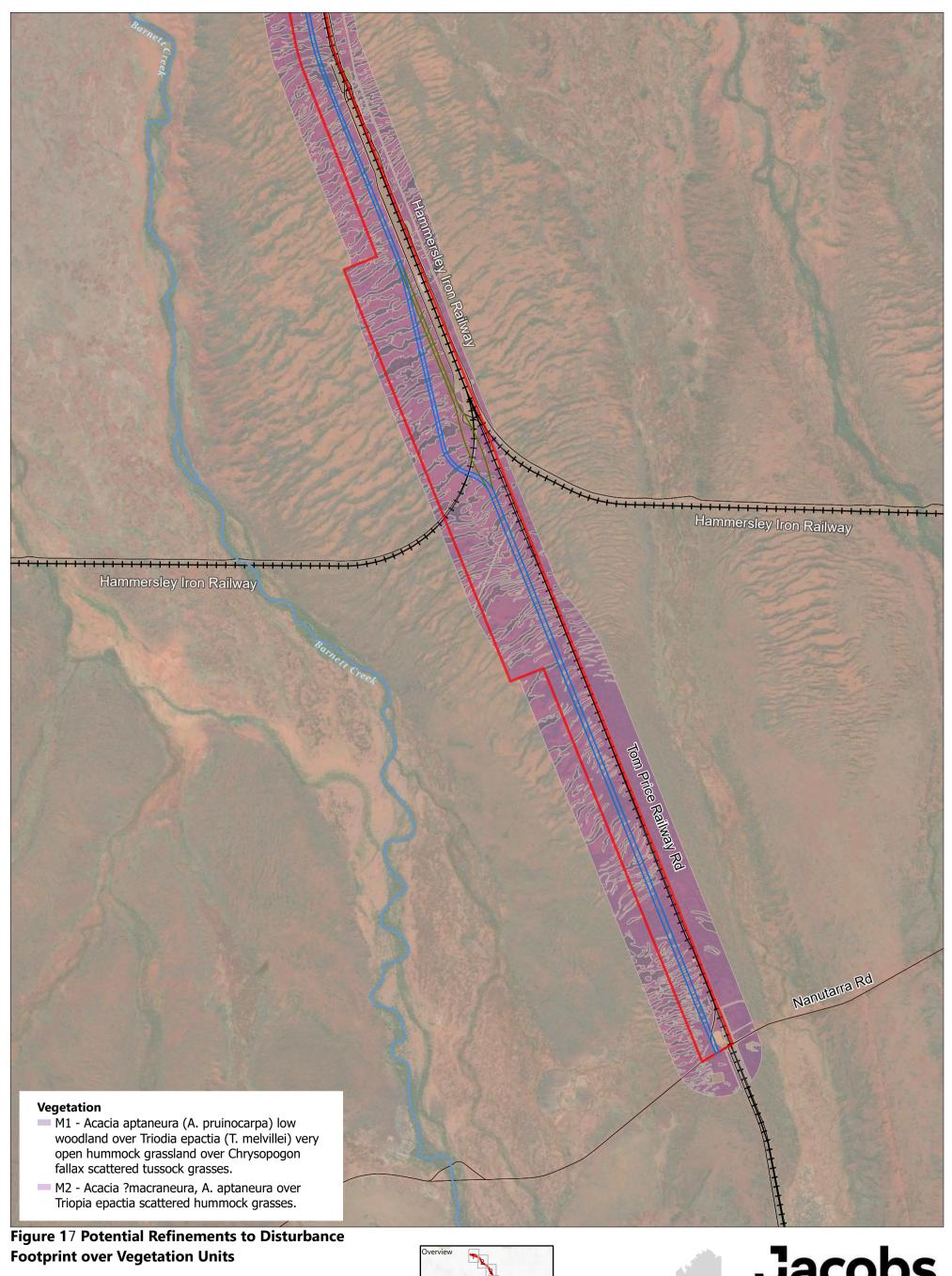






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→ Railways

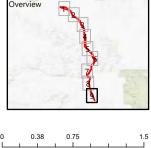
☐ Alternate Disturbance Footprint A

— Roads

☐ Alternate Disturbance Footprint B □ Development Envelope

Rivers and Creeks

☐ Indicative Disturbance Footprint



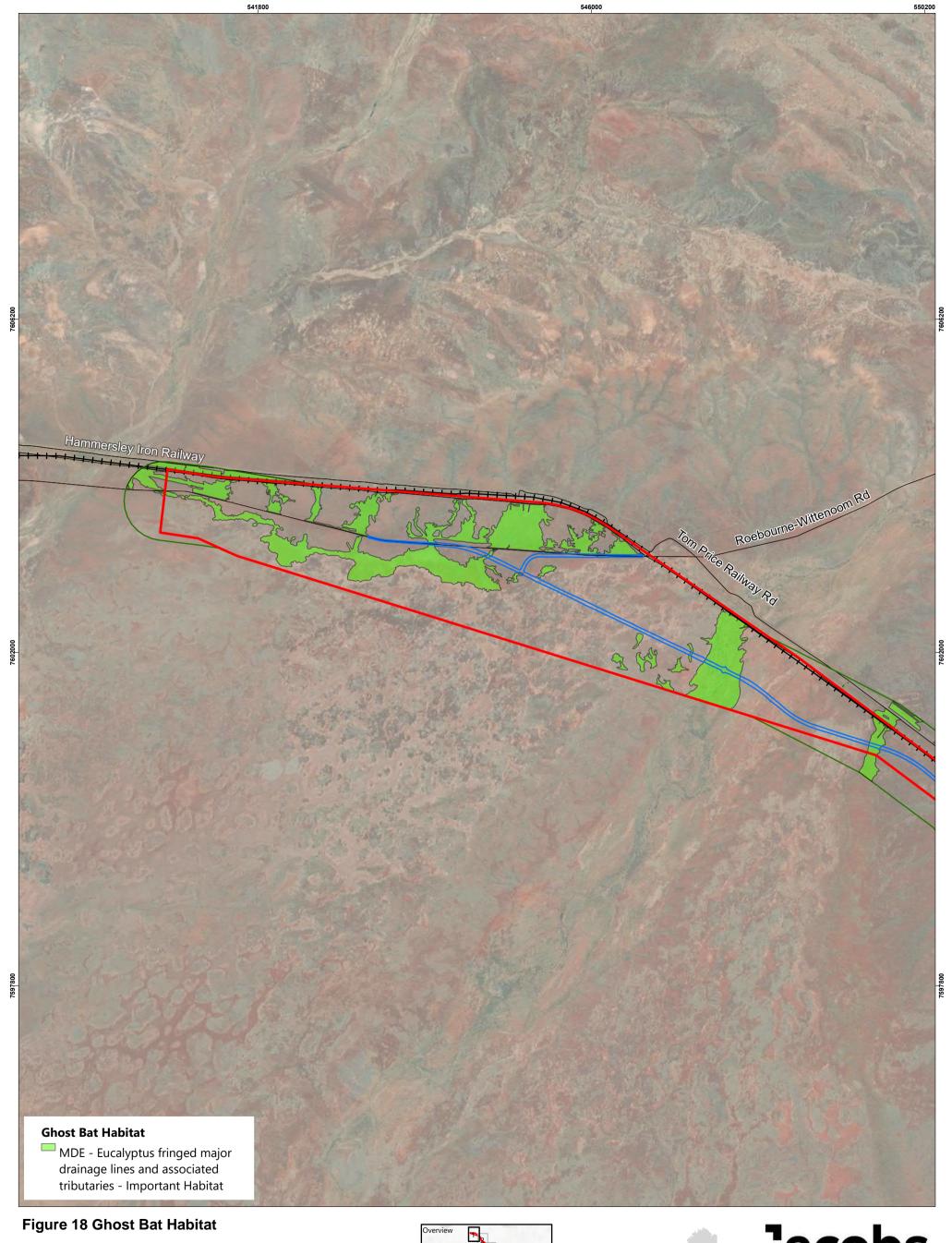




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- Roads
- → Railways
- □ Disturbance Footprint
- Development Envelope
- ☐ Fauna Habitat Survey Boundary



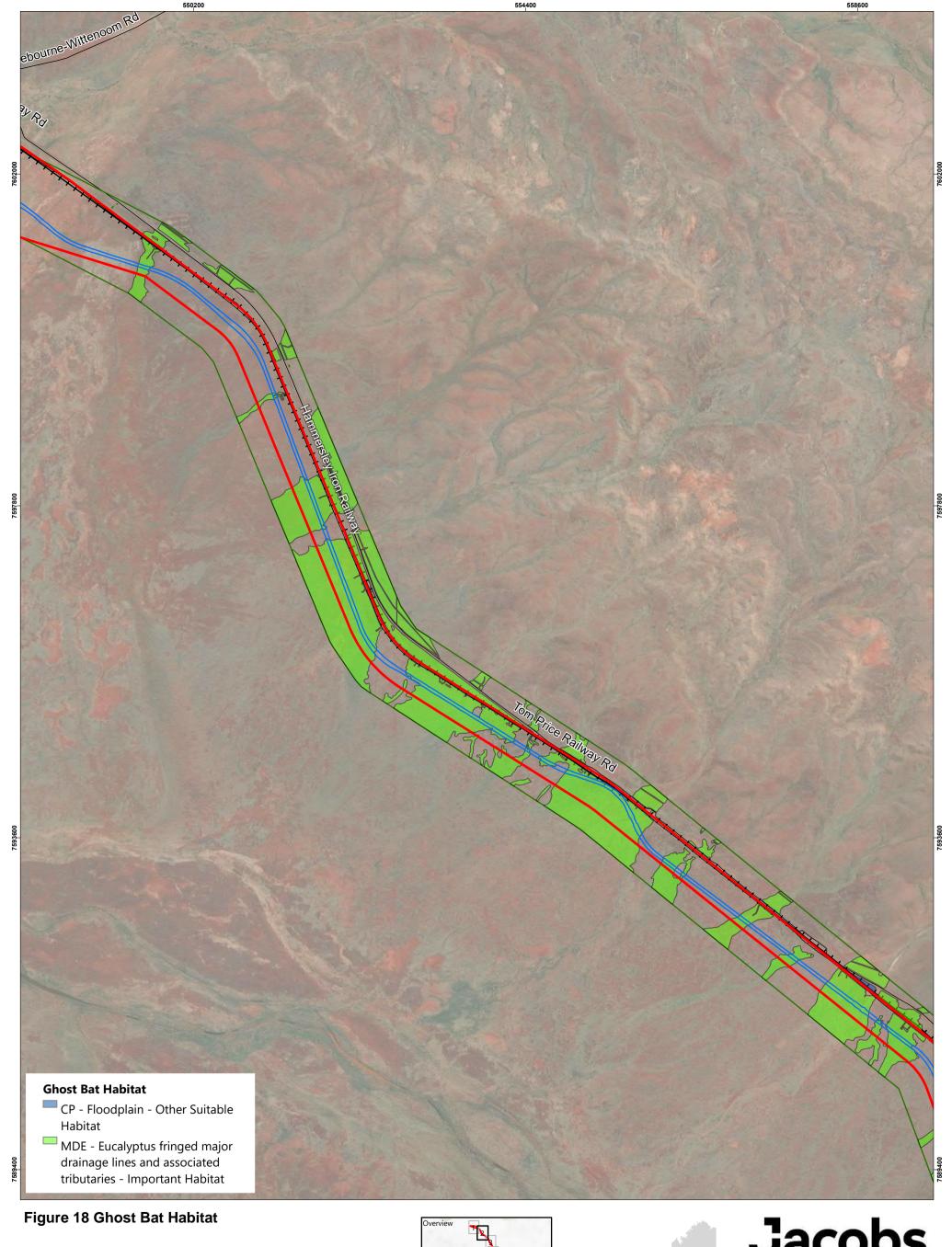




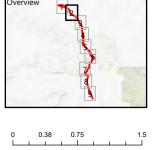
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- Roads
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