

Appendix B

Figures

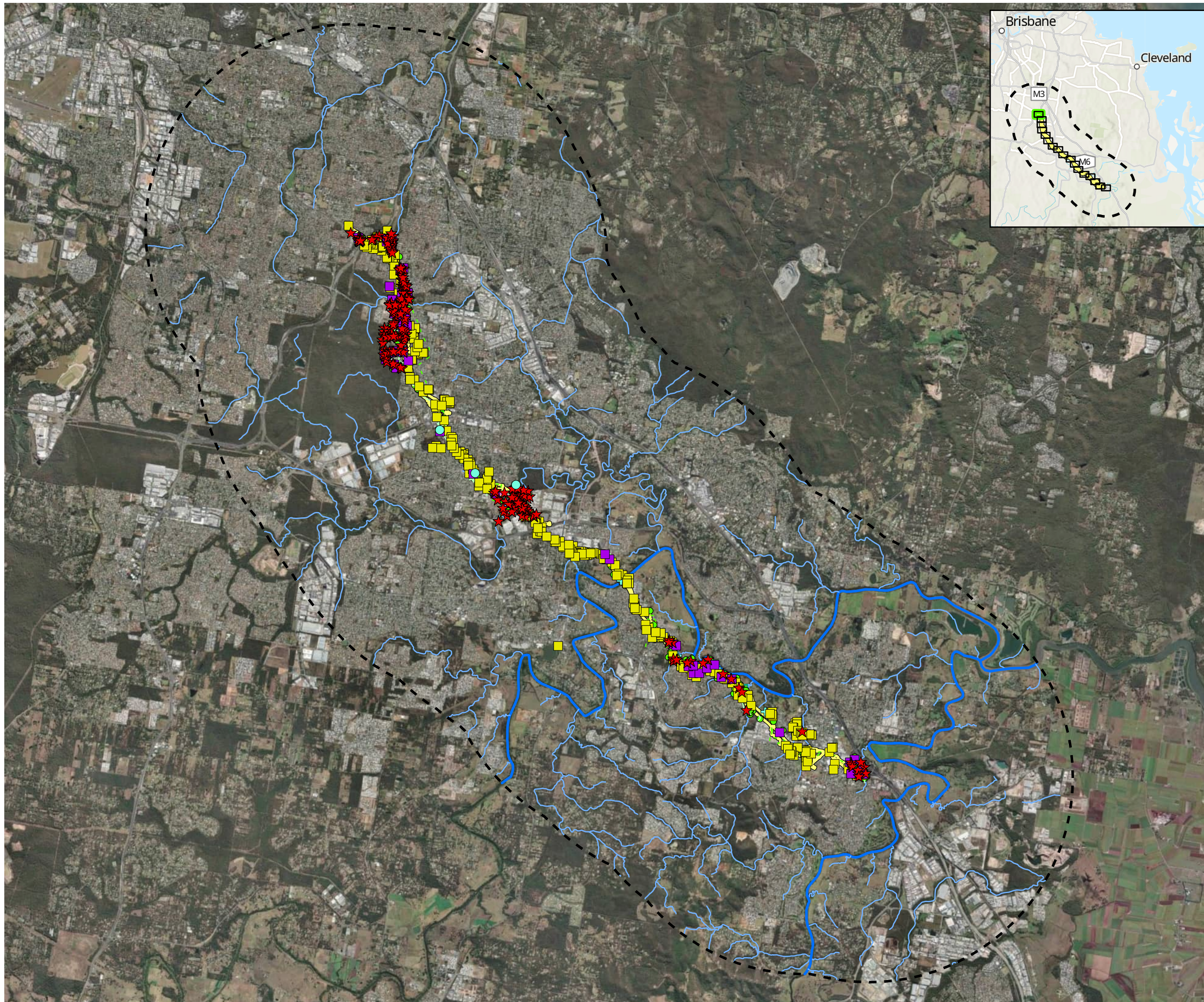
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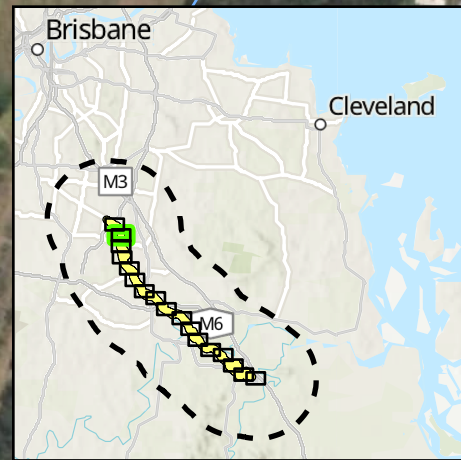
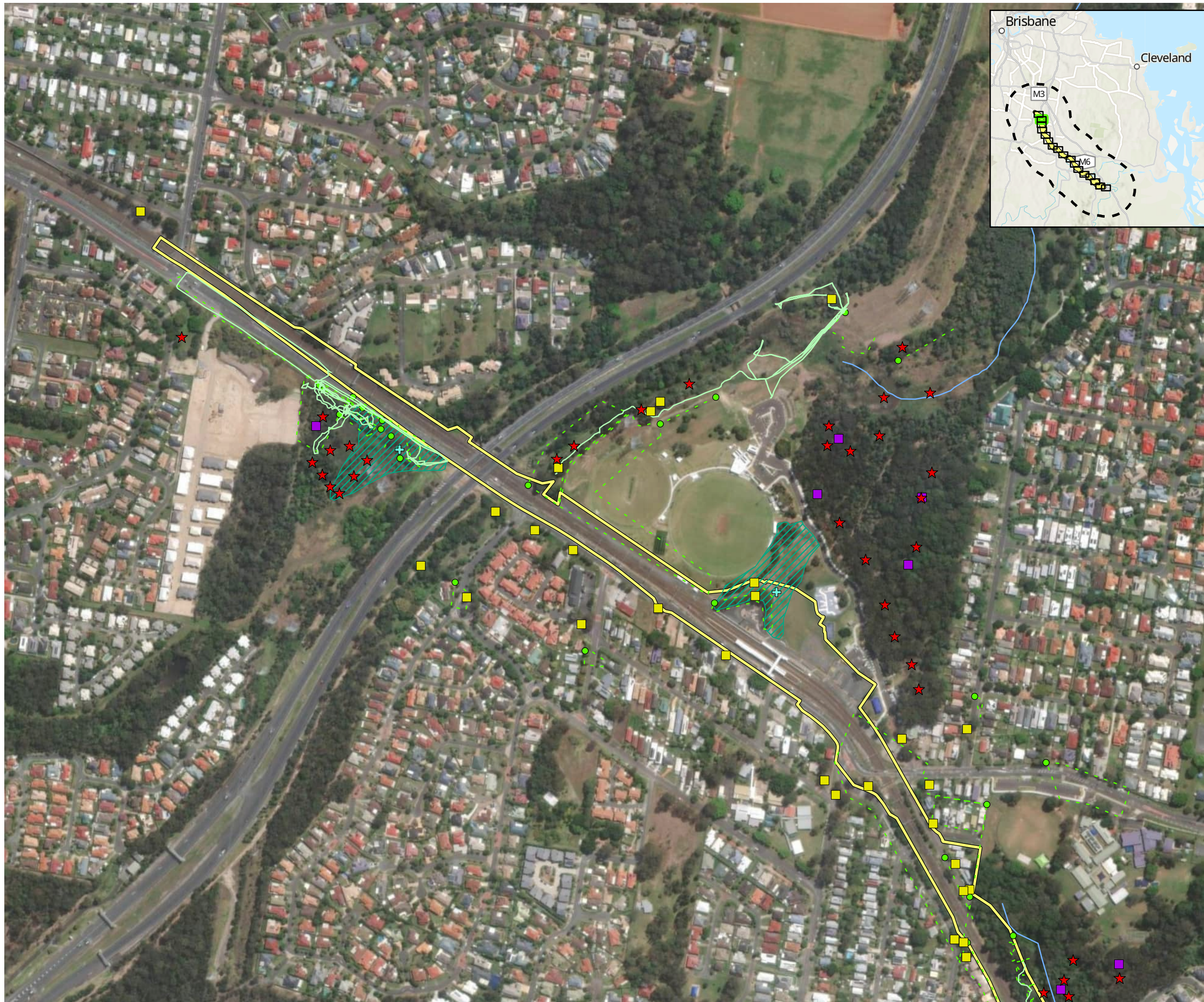
If you require them in an alternative format, please email info@tmr.qld.gov.au or telephone 13 74 68. Please provide your name, contact information, and a detailed description of the issue you encounter or the format you require.

Figure 2 Flora survey site locations



- Study area
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- Watercourse (minor)
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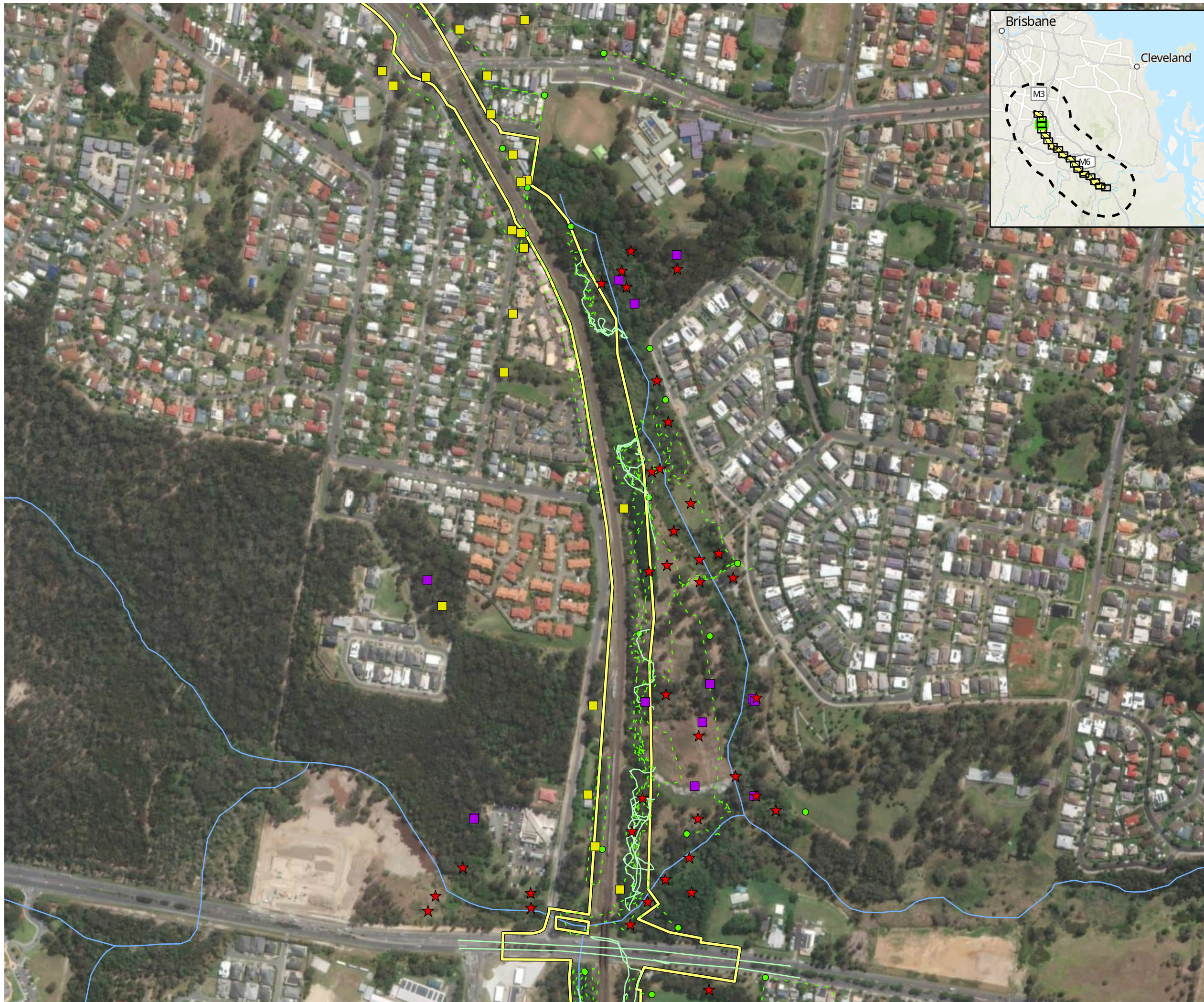


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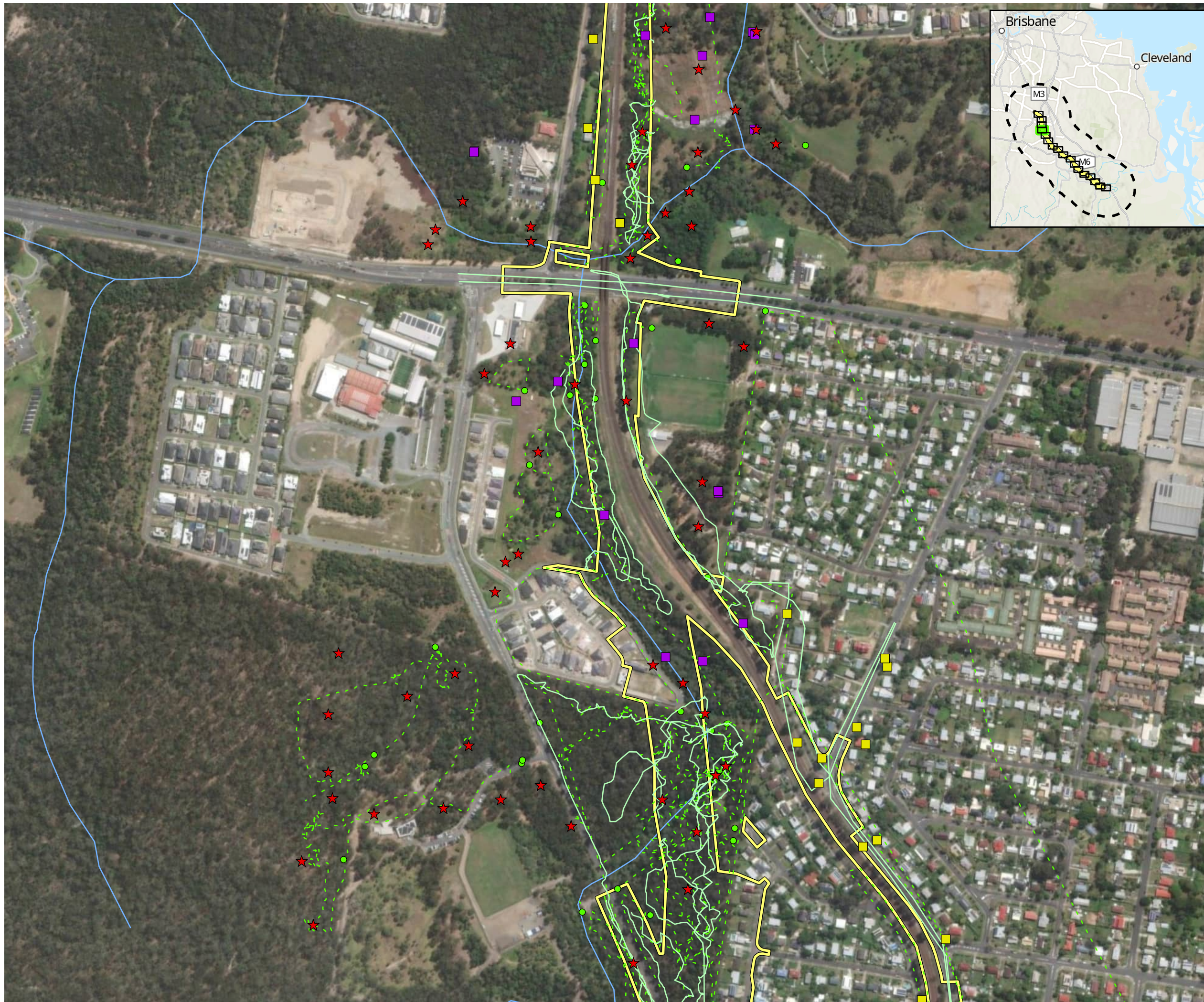
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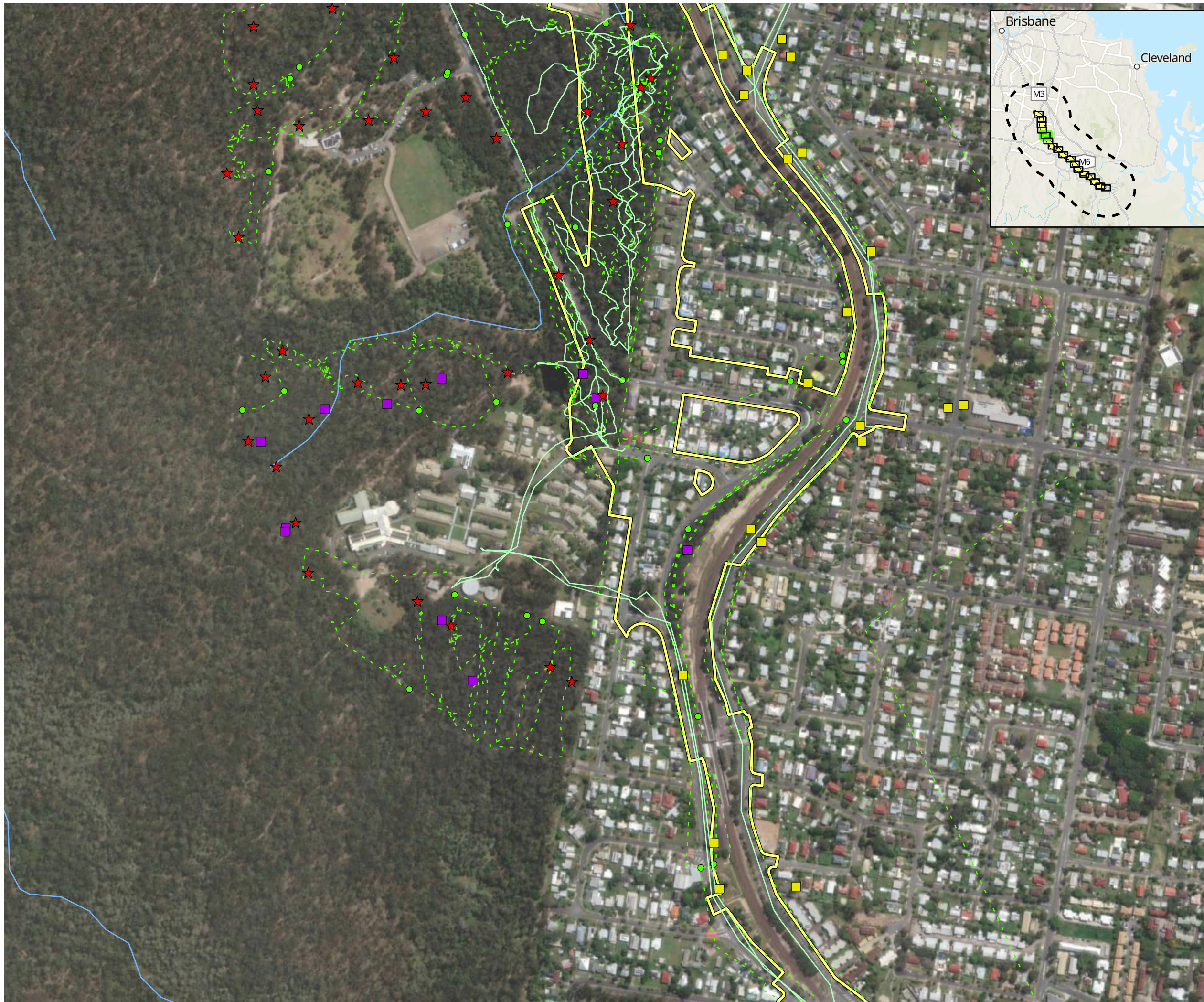
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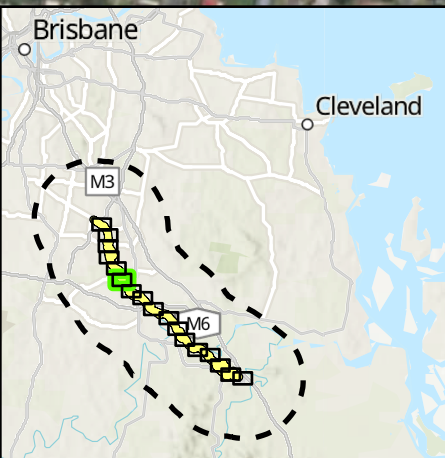
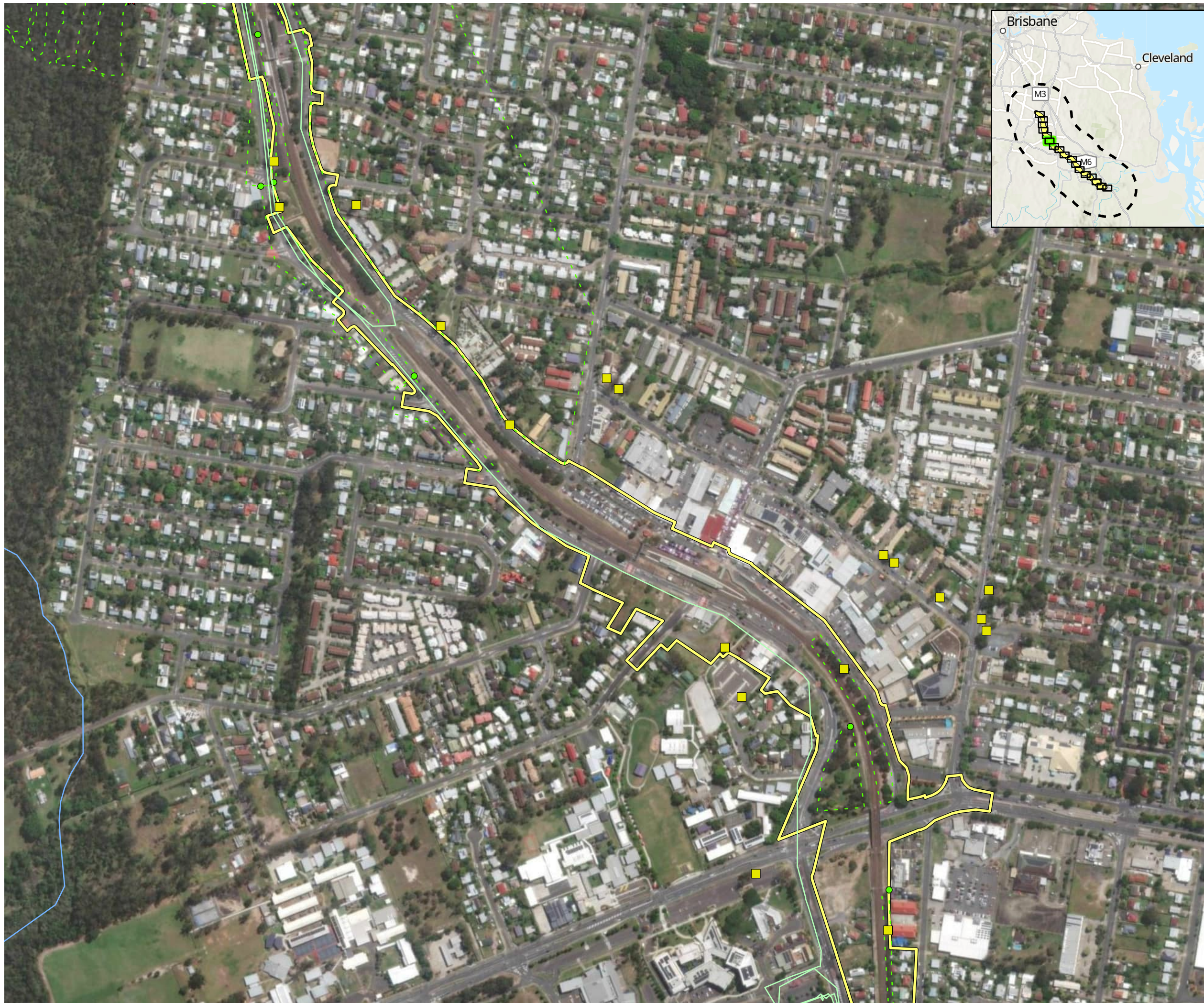
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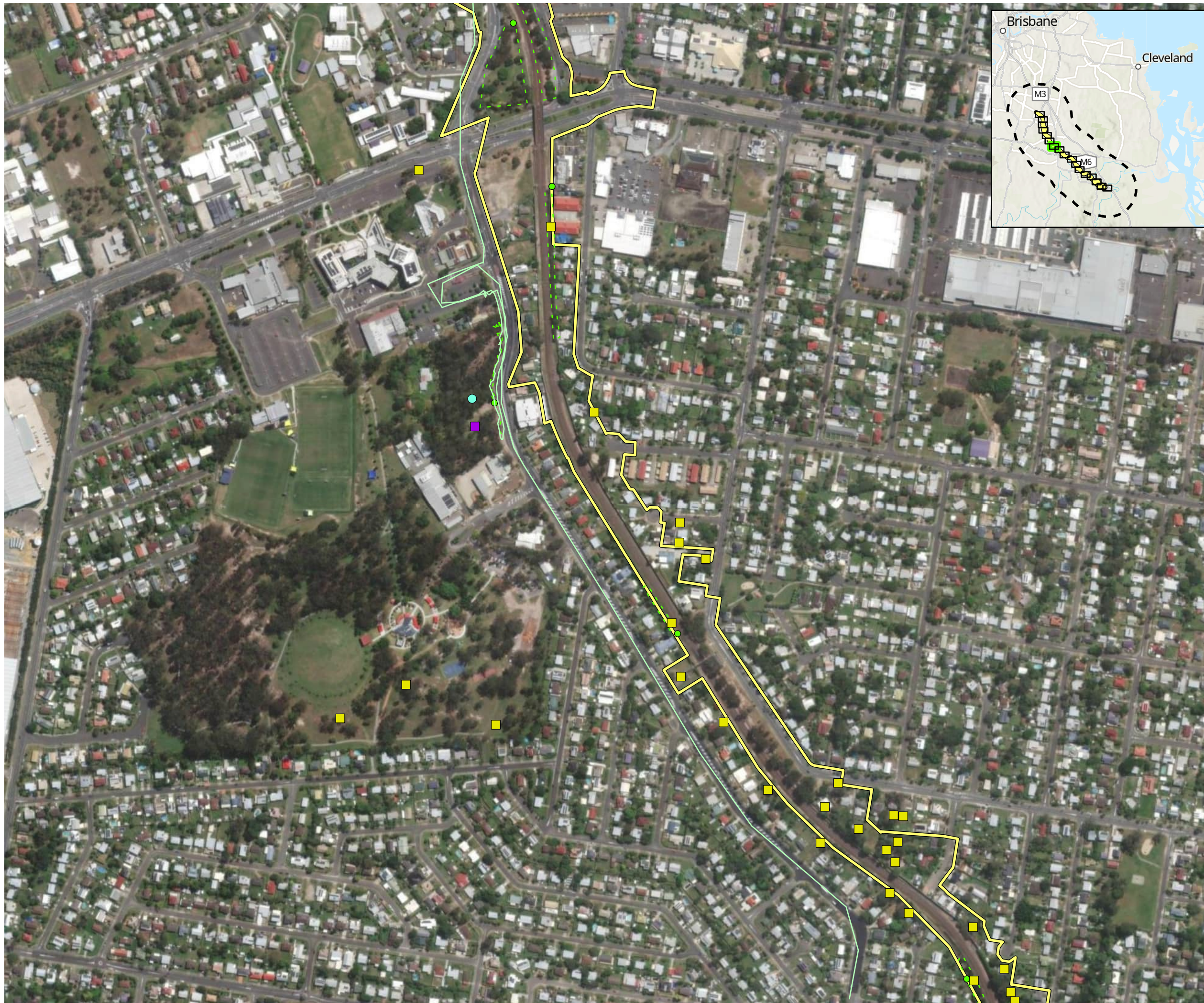


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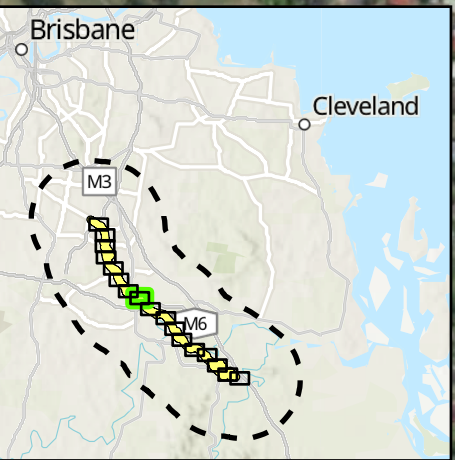
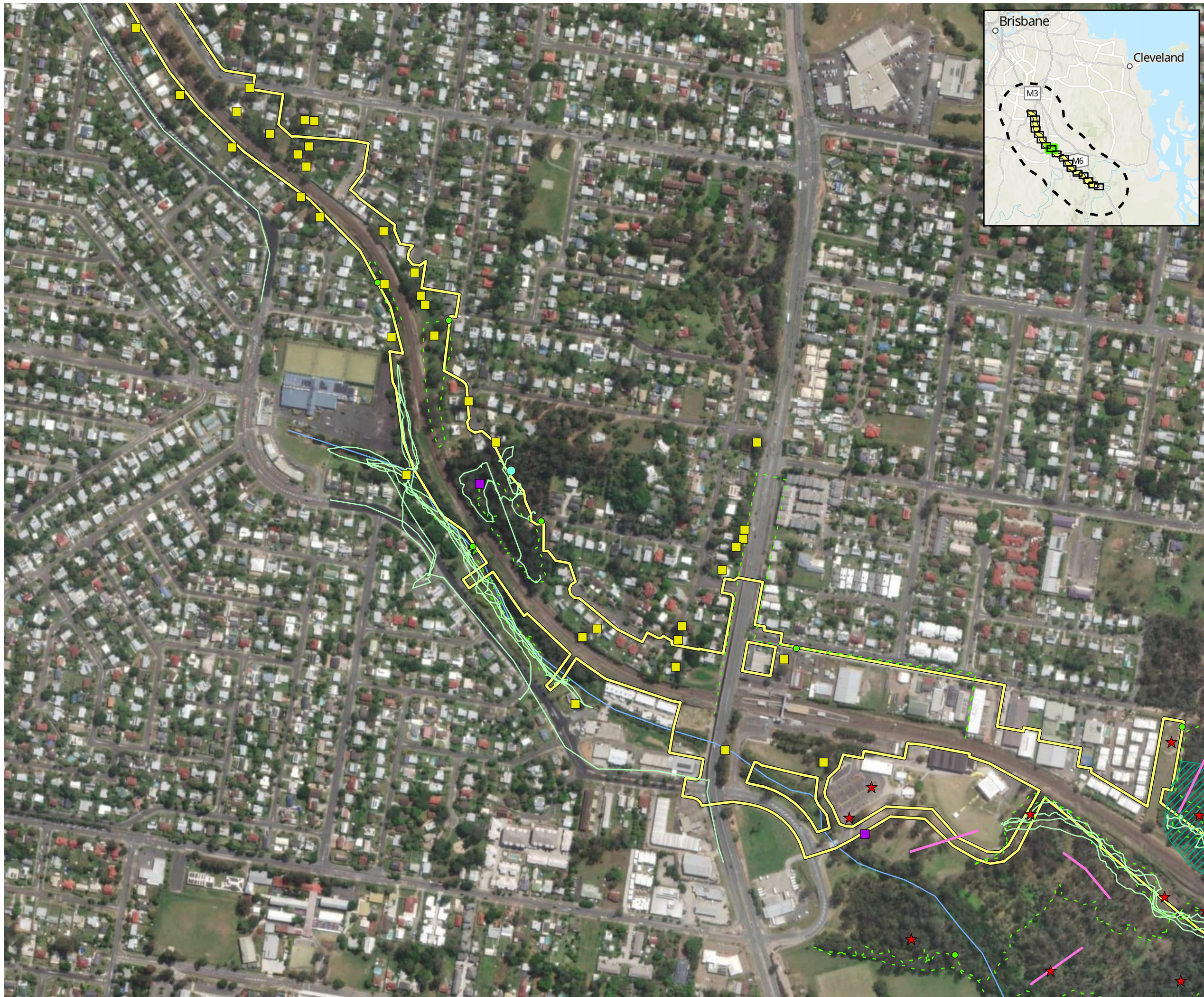
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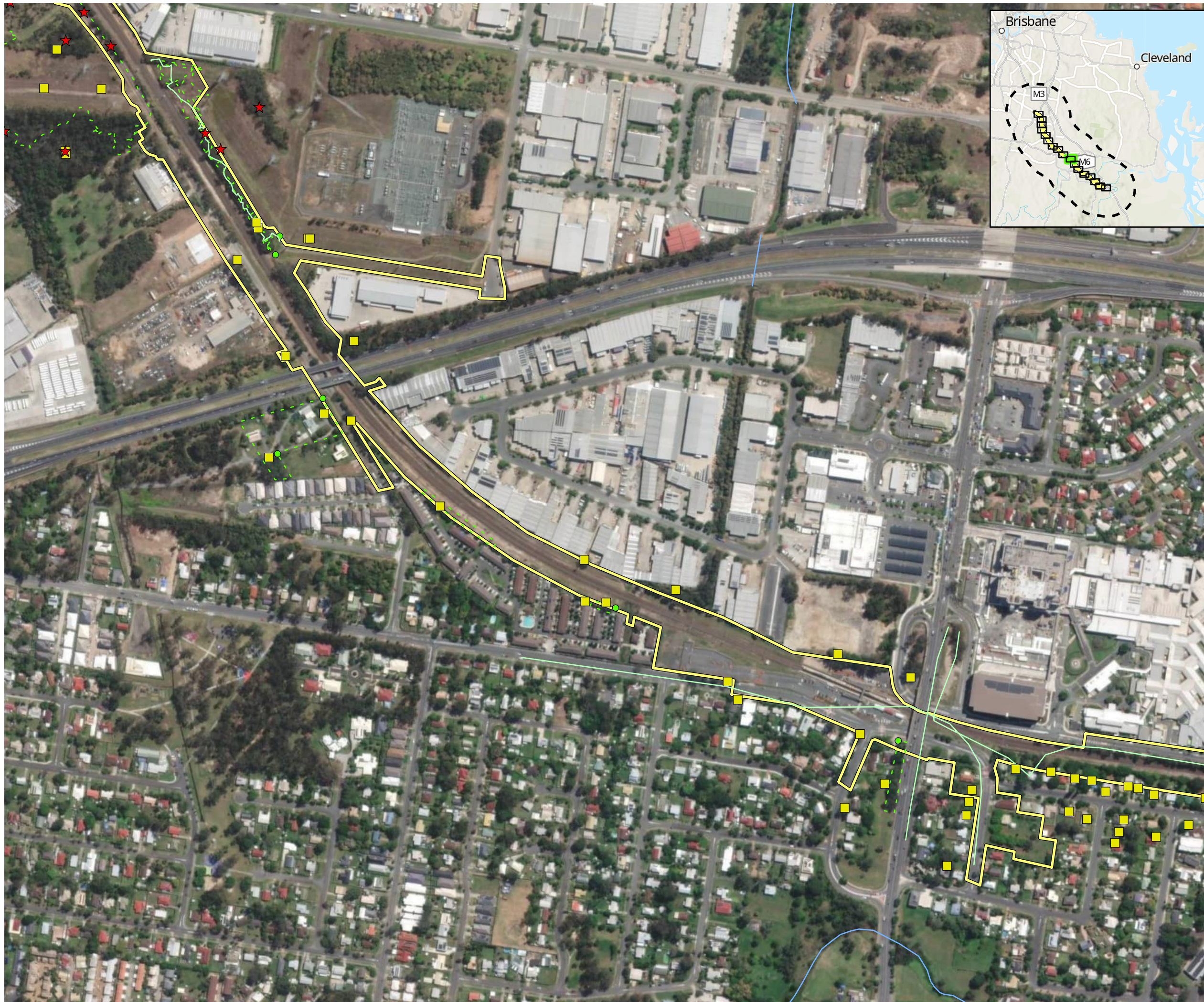
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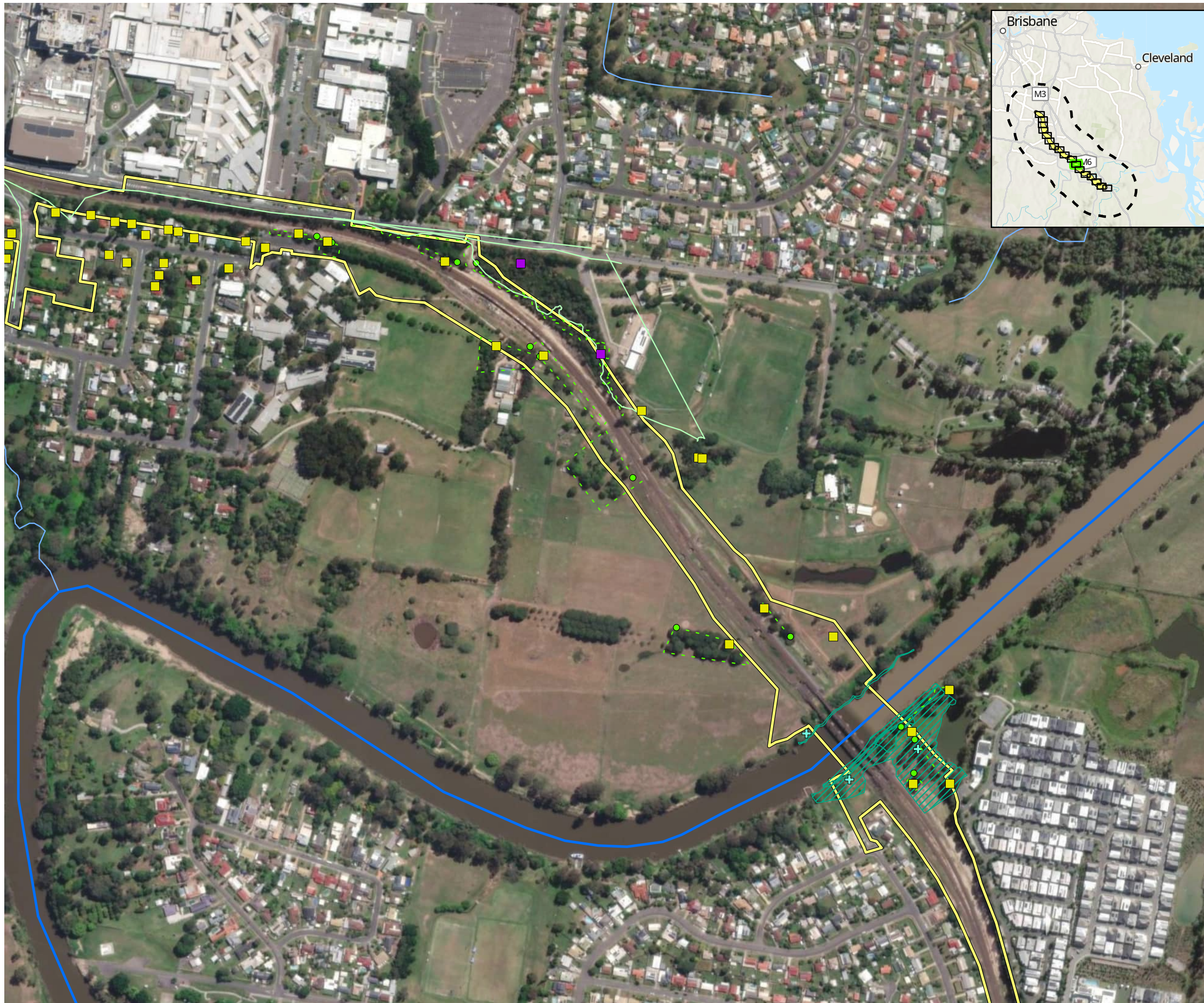
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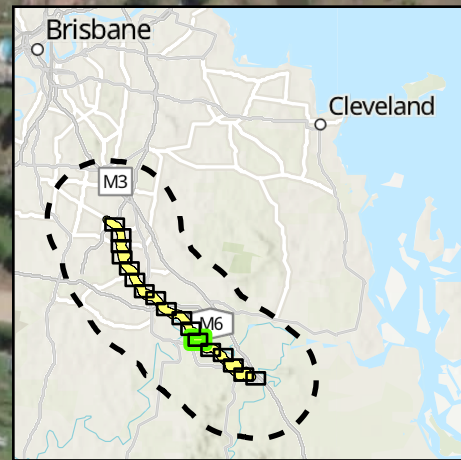
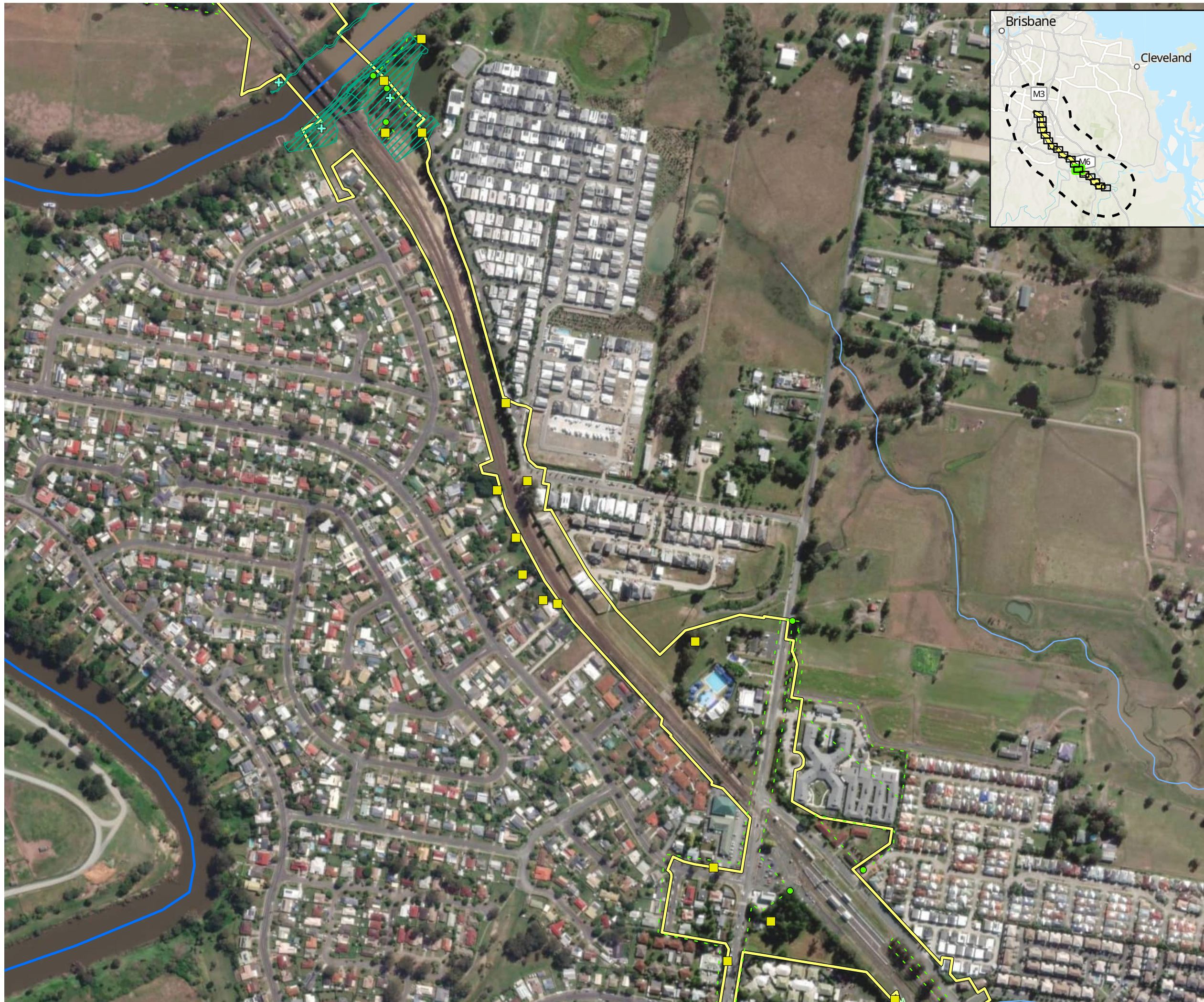
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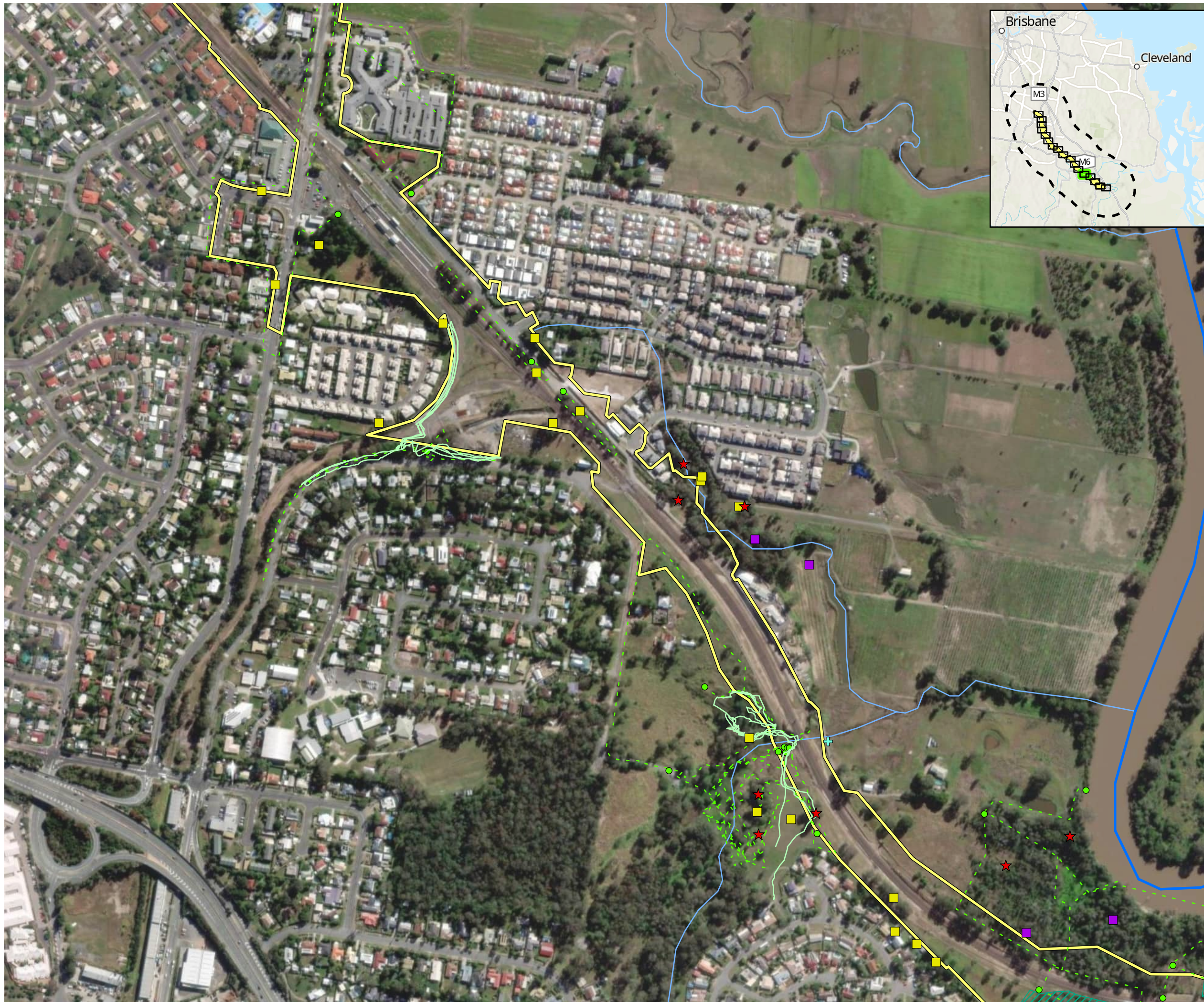


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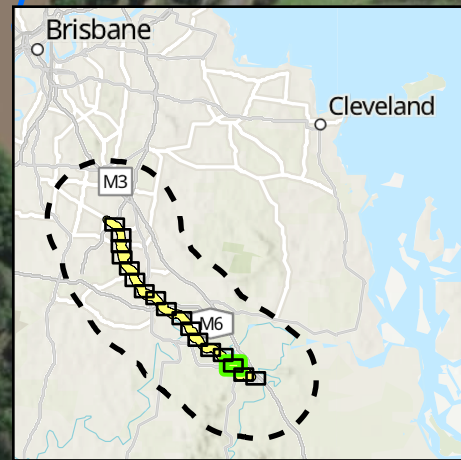
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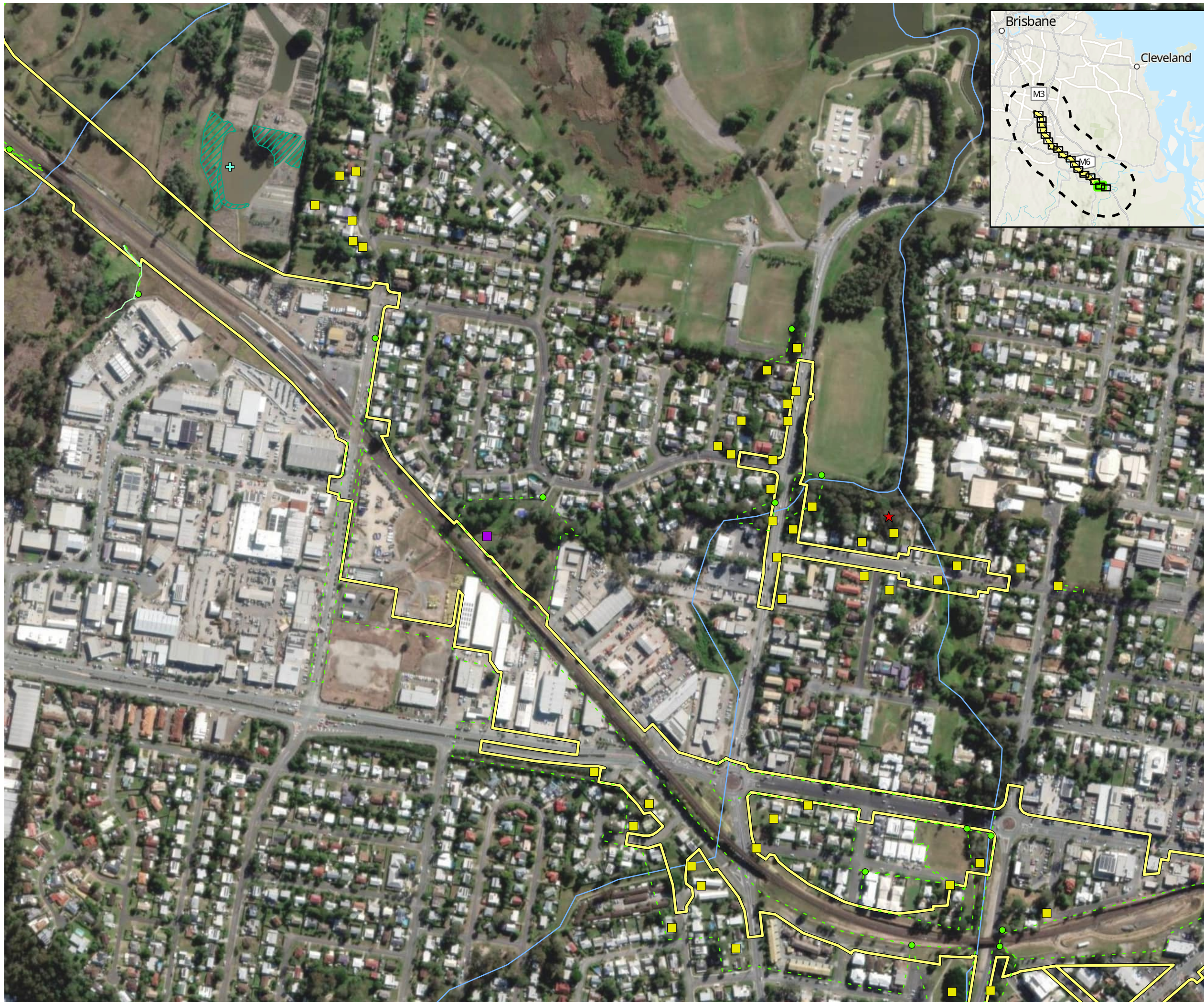


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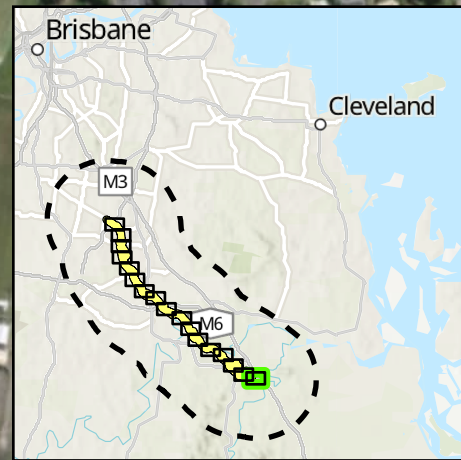
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Project: Logan and Gold Coast Faster Rail
Report: Preliminary Documentation - Supplementary MNES Report
Client: Department of Transport and Main Roads
Project Number: 60681907
Date: 17/02/2025

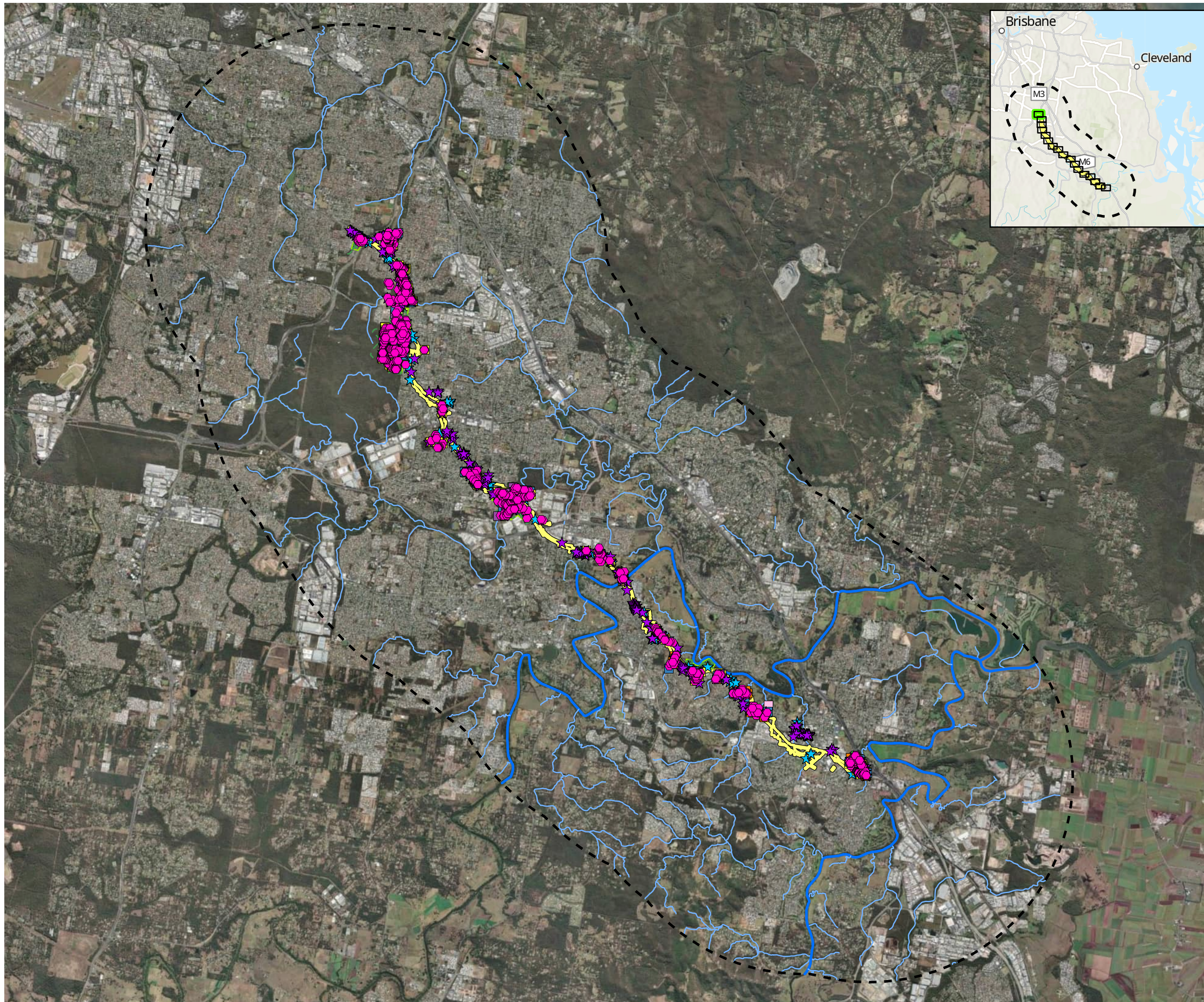
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Figure 3 Fauna survey site locations



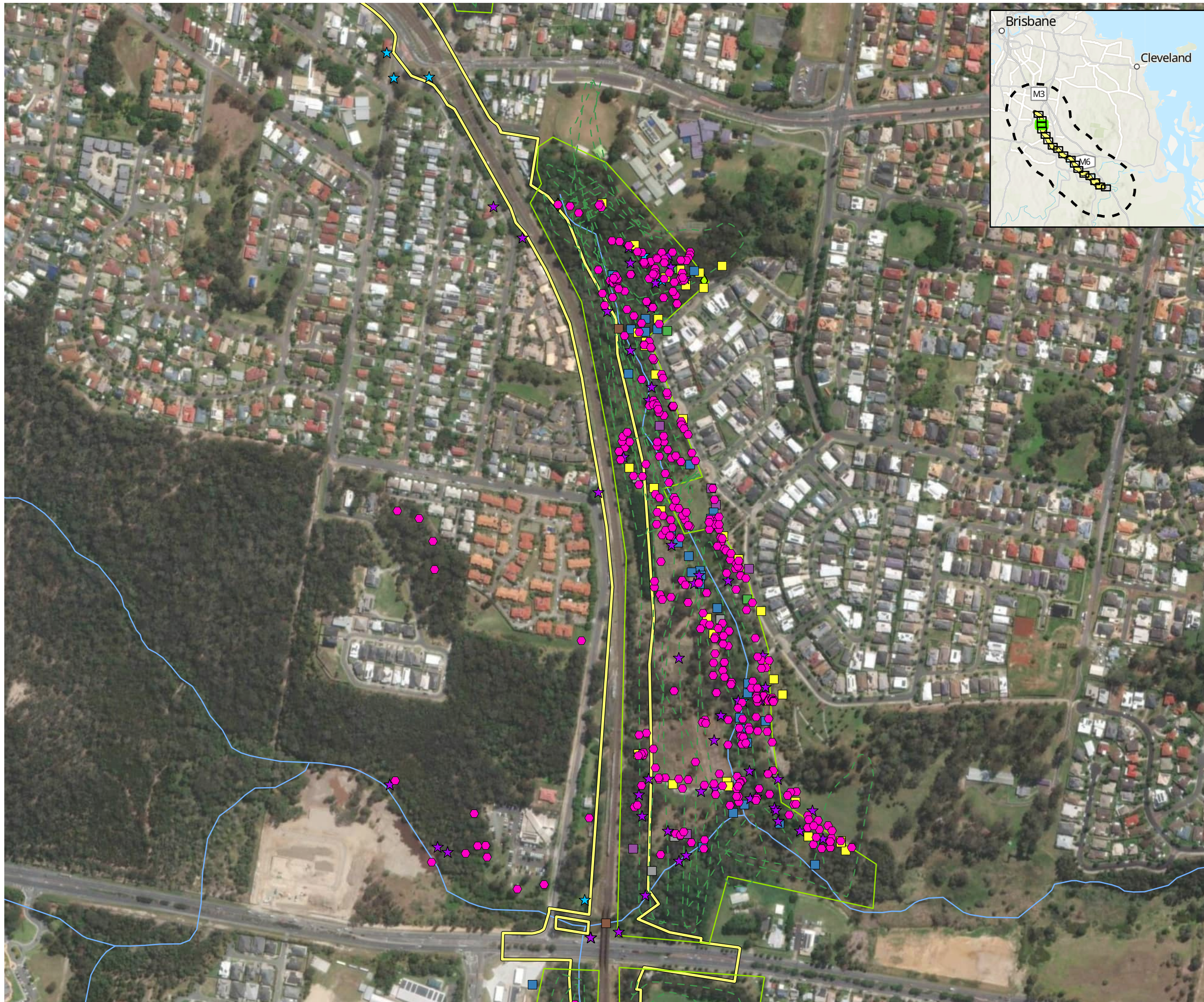
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- Koala infrared drone surveys (EVE, 2024)**
- Flight path
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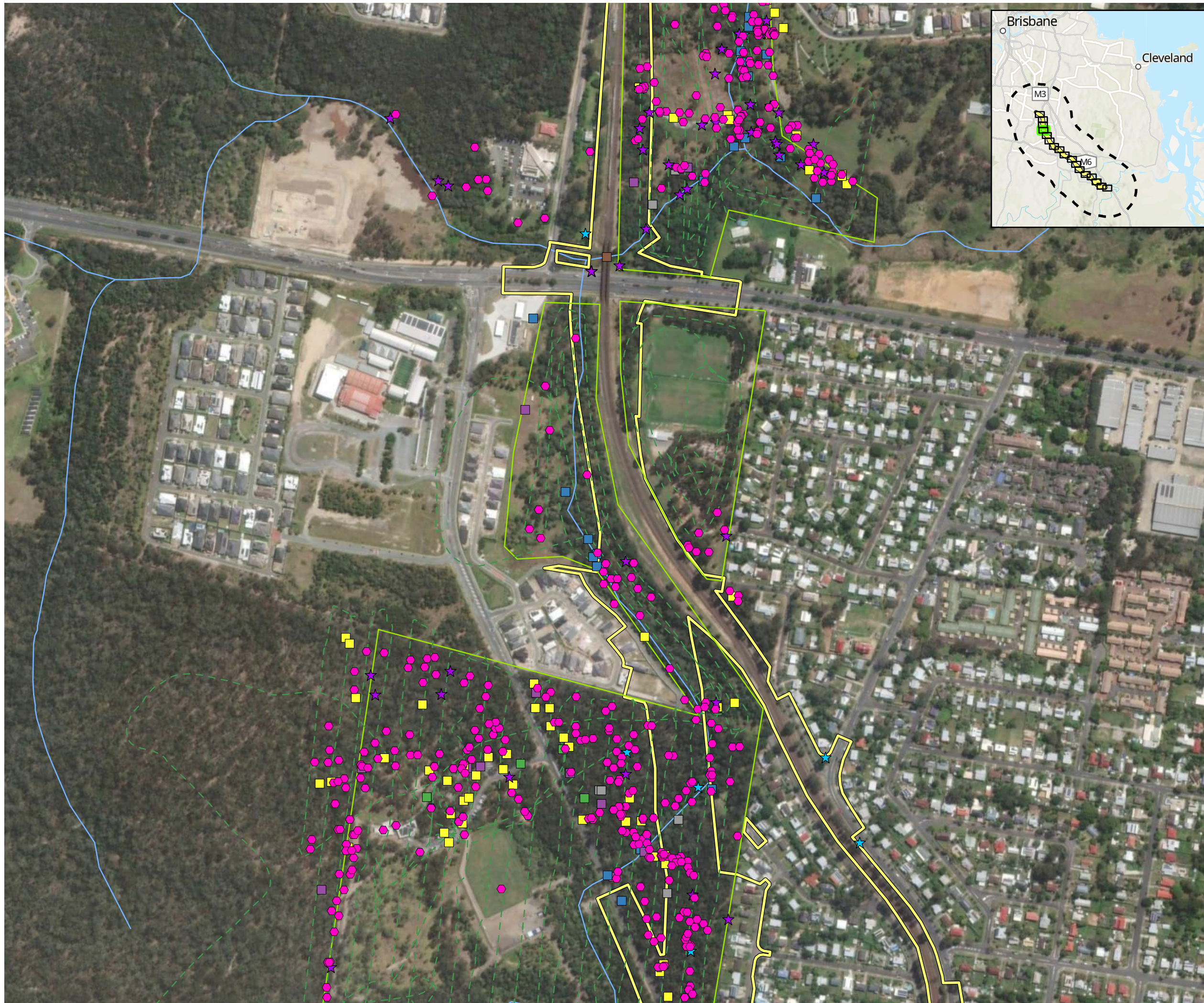
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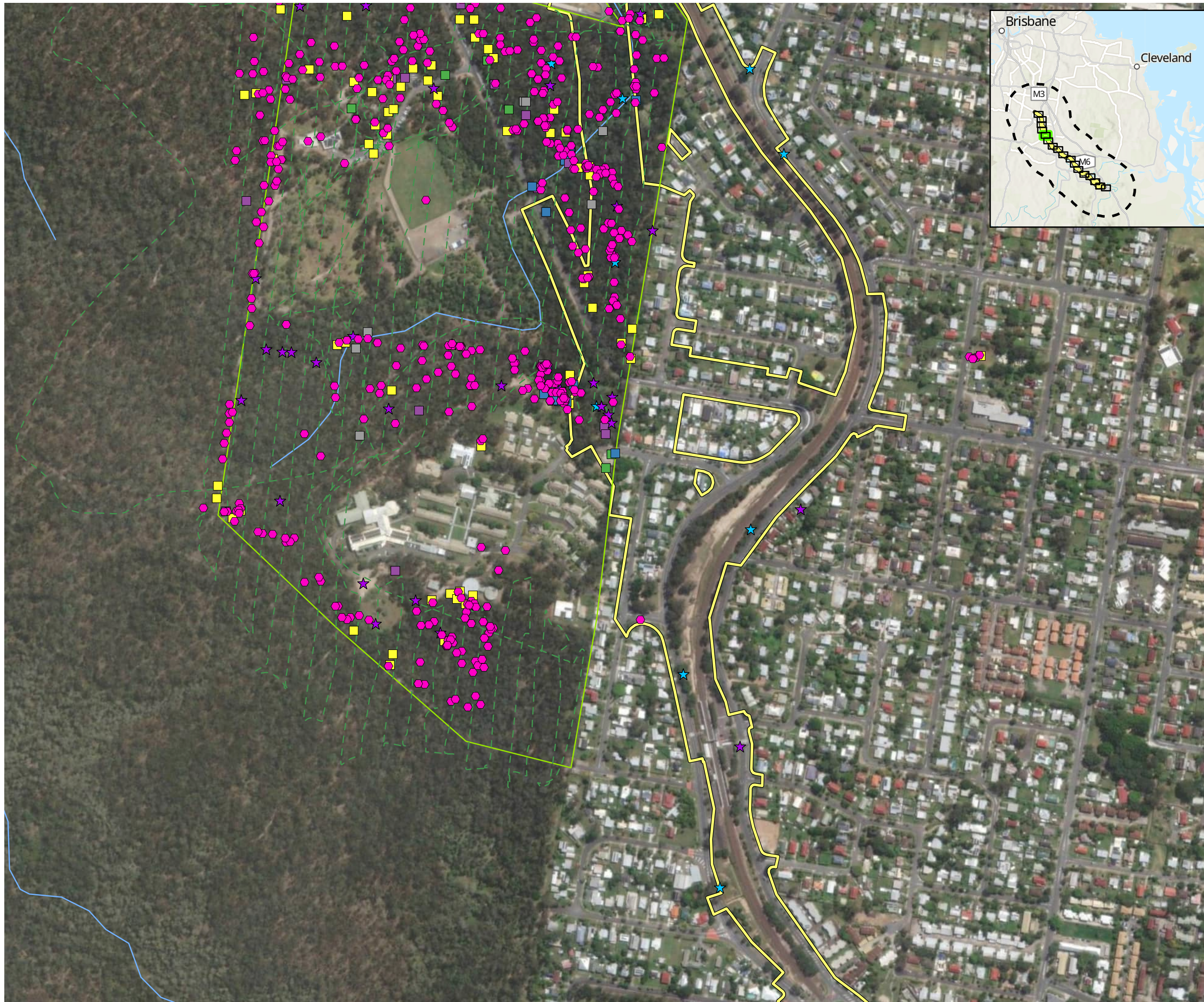
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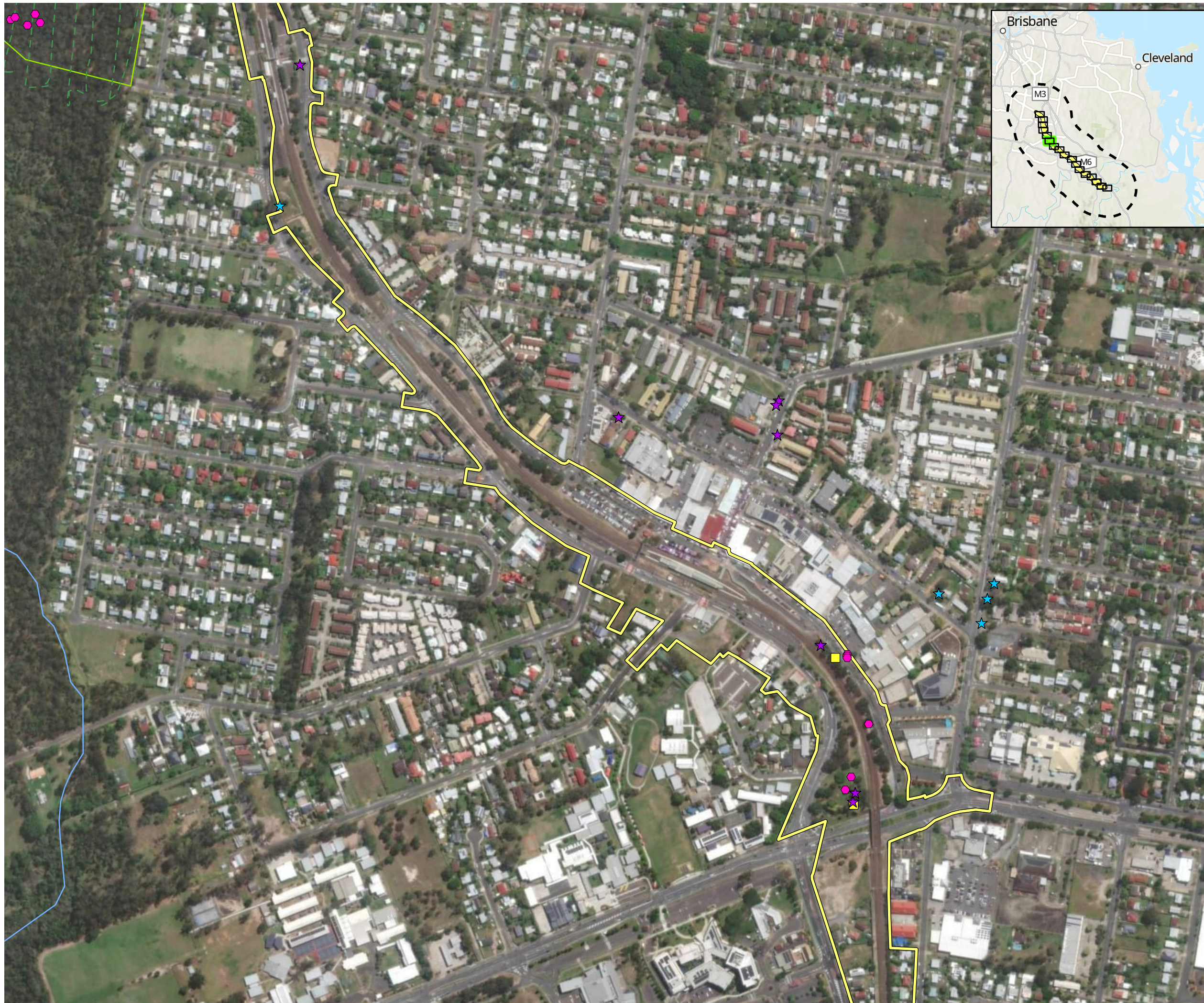
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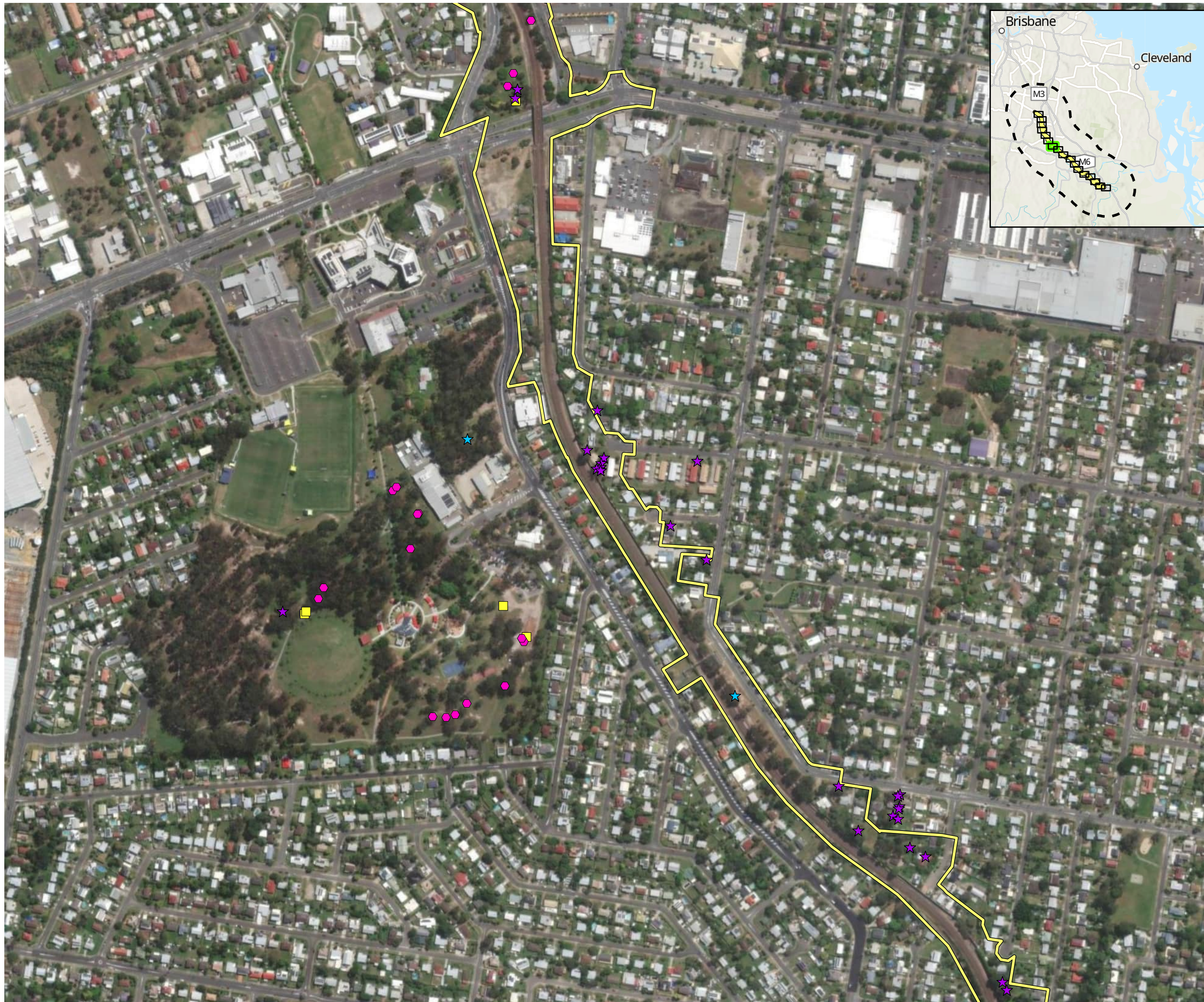
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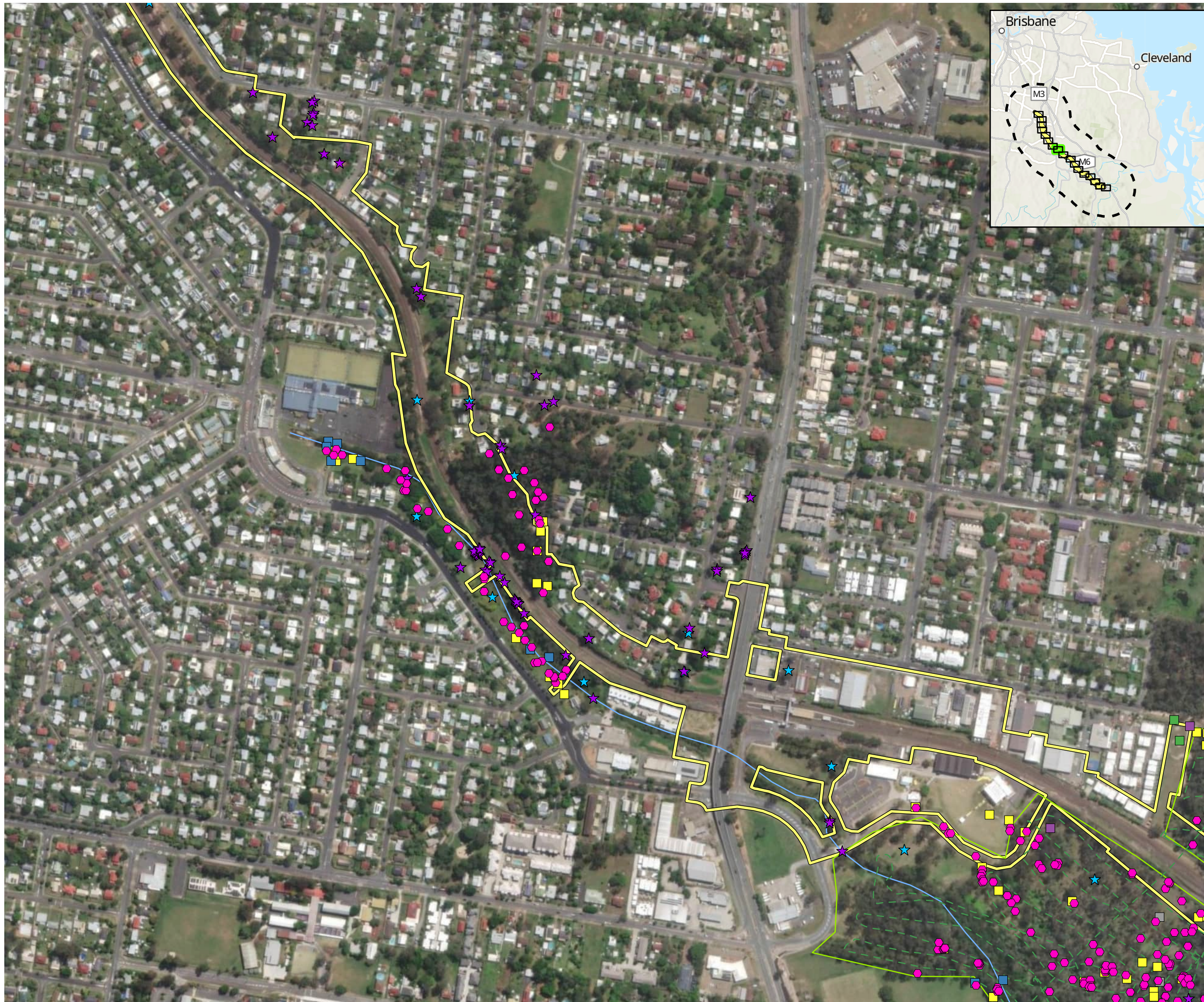
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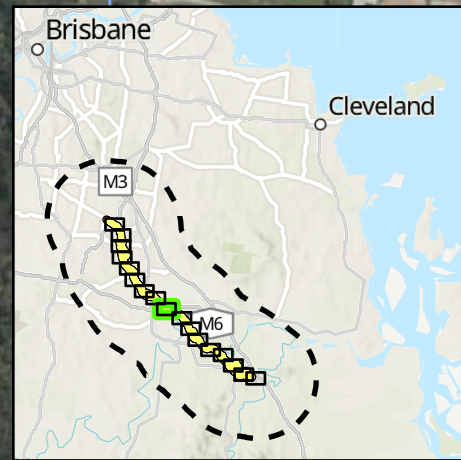
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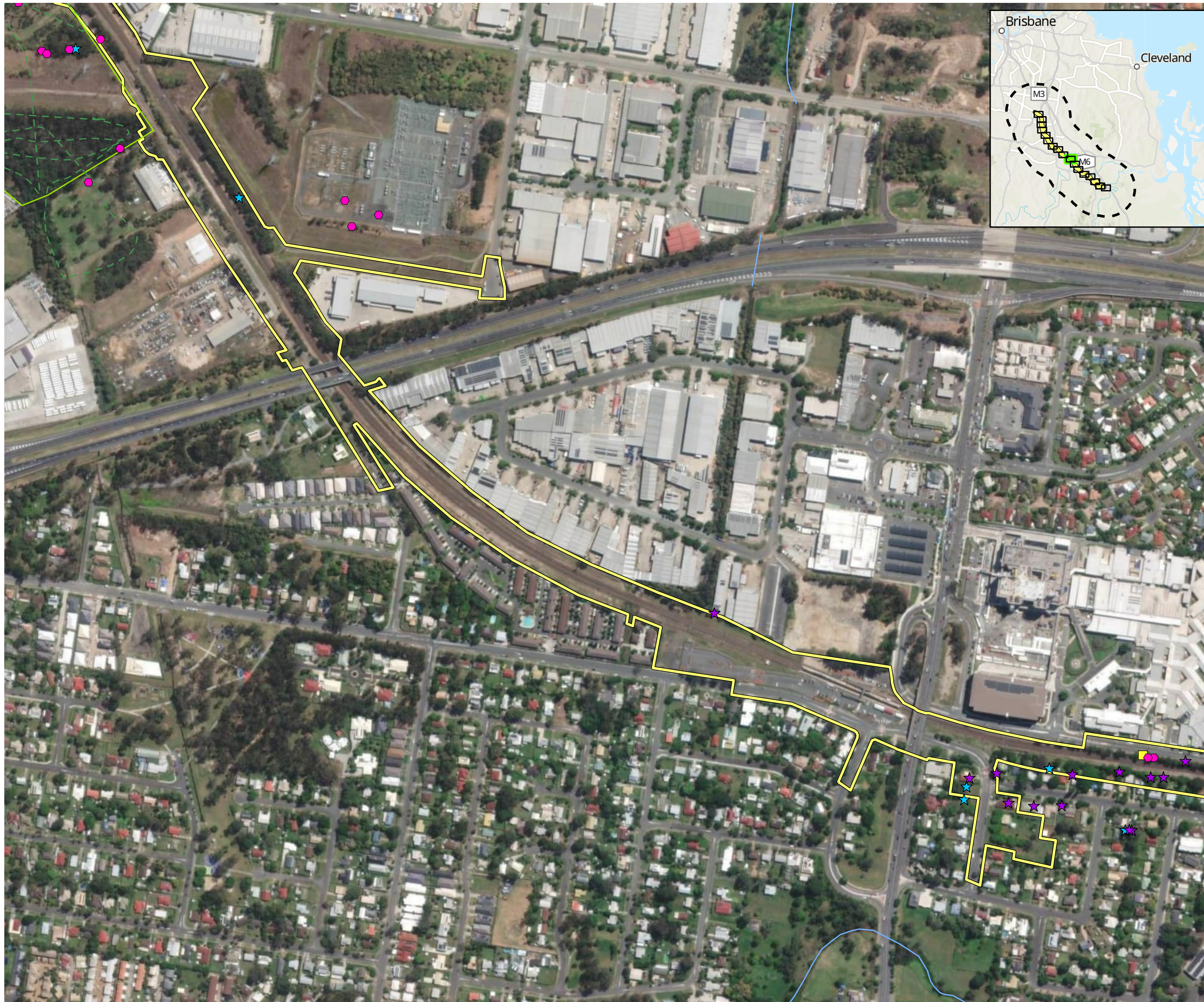


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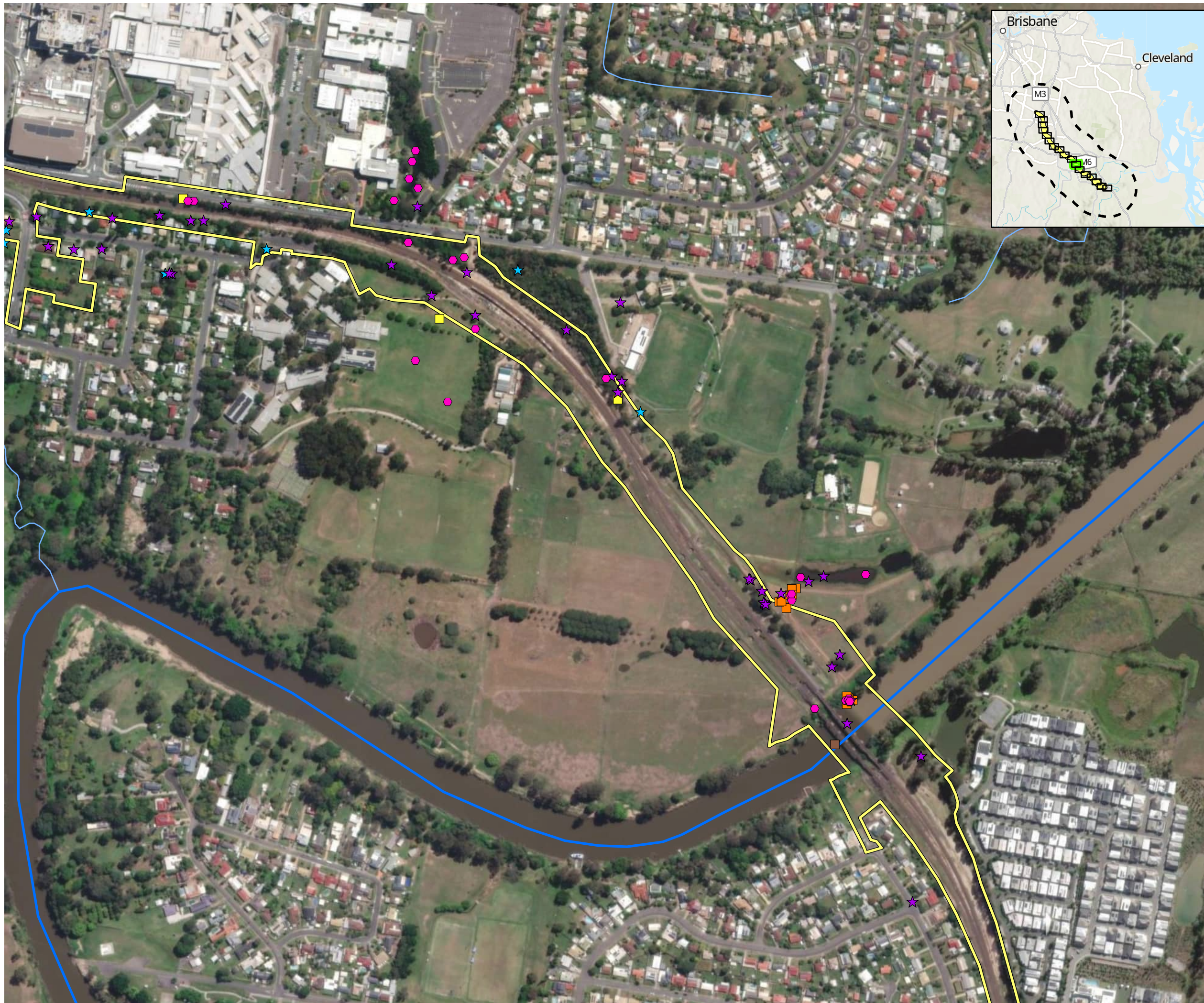
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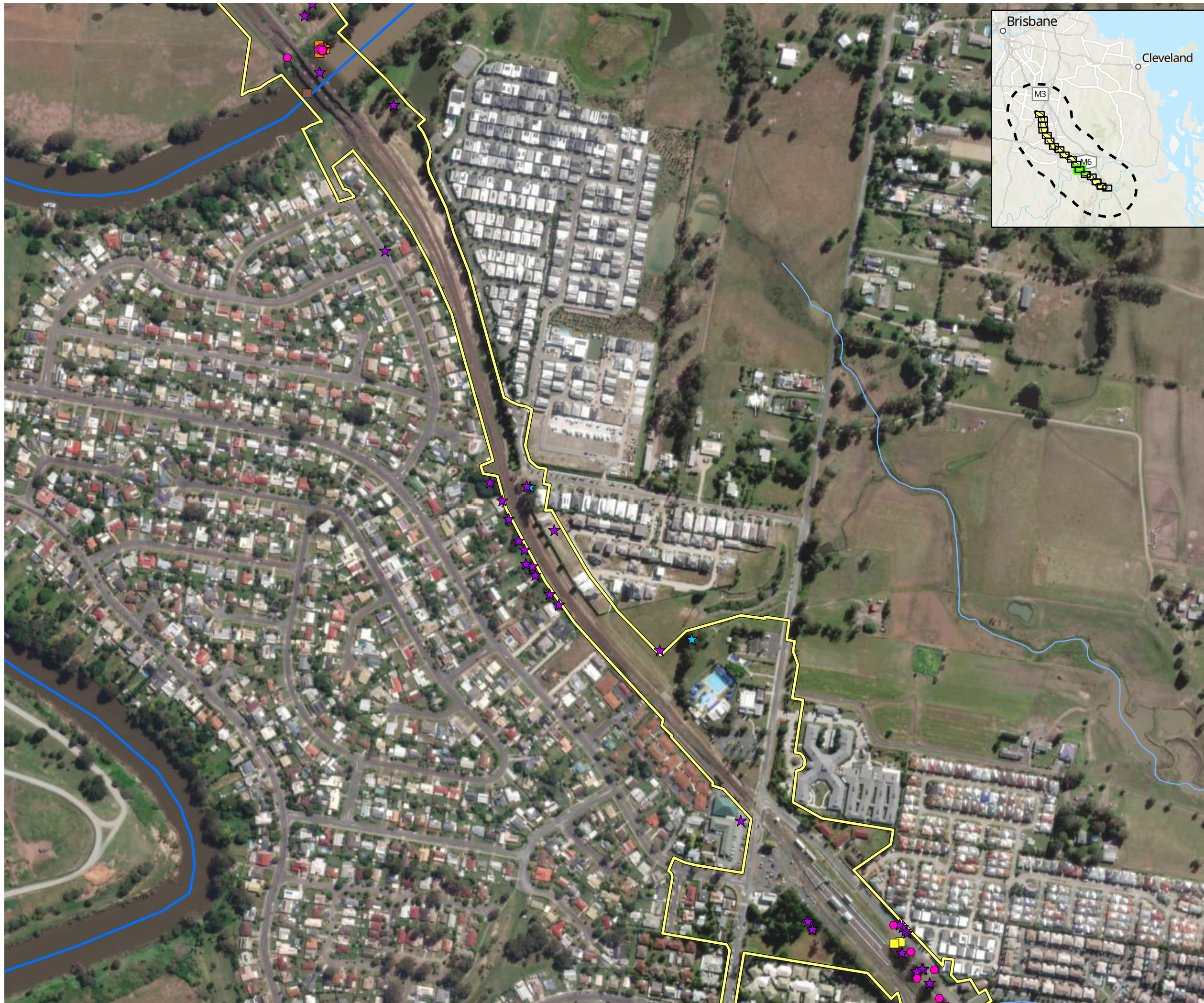
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- Call playback and spotlighting
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- Australian Lungfish surveys
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- ★ South-eastern glossy black cockatoo hollow survey site
- Koala infrared drone surveys (EVE, 2024)**
- - Flight path
- Survey area

Figure 3 Fauna survey site locations



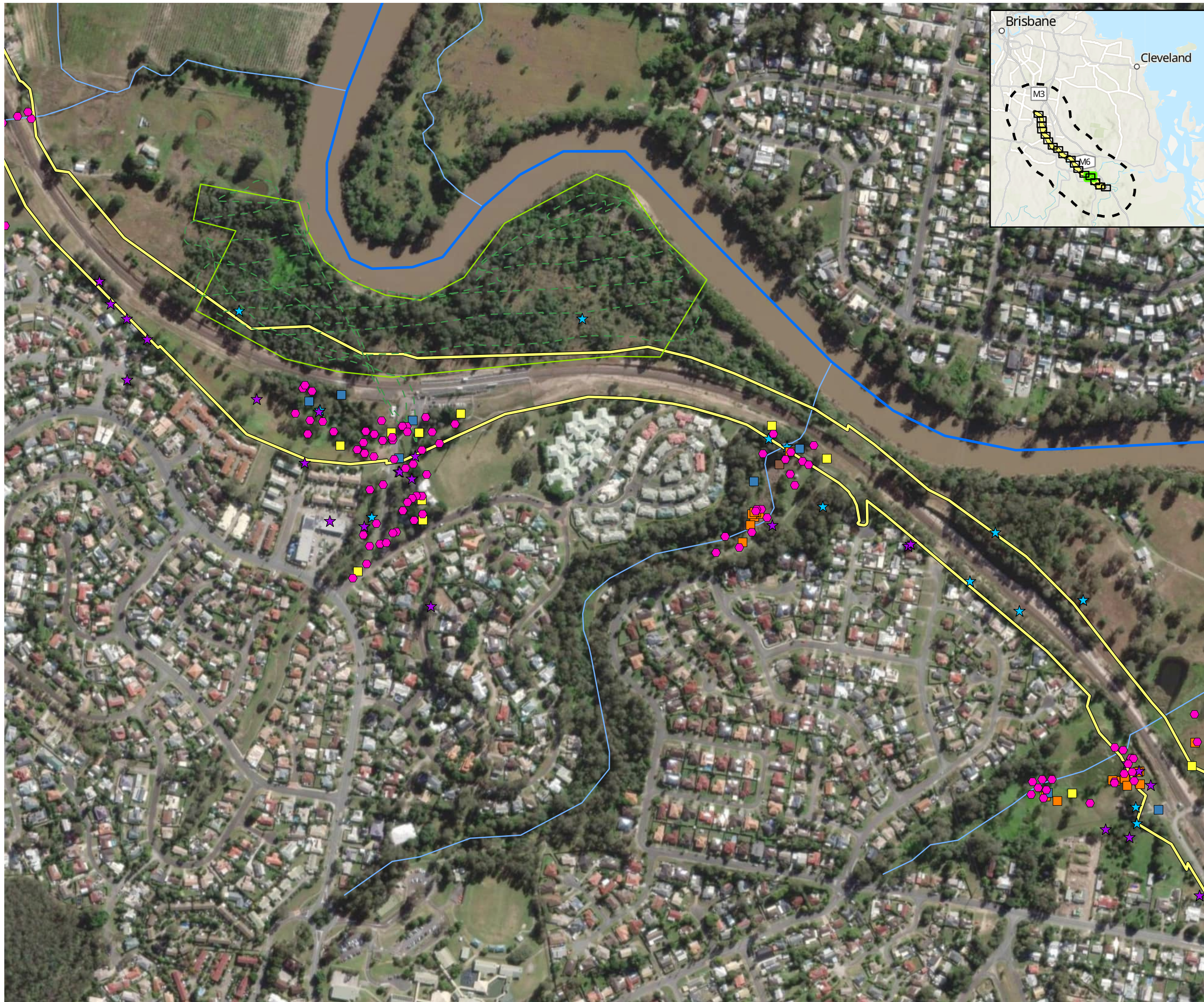
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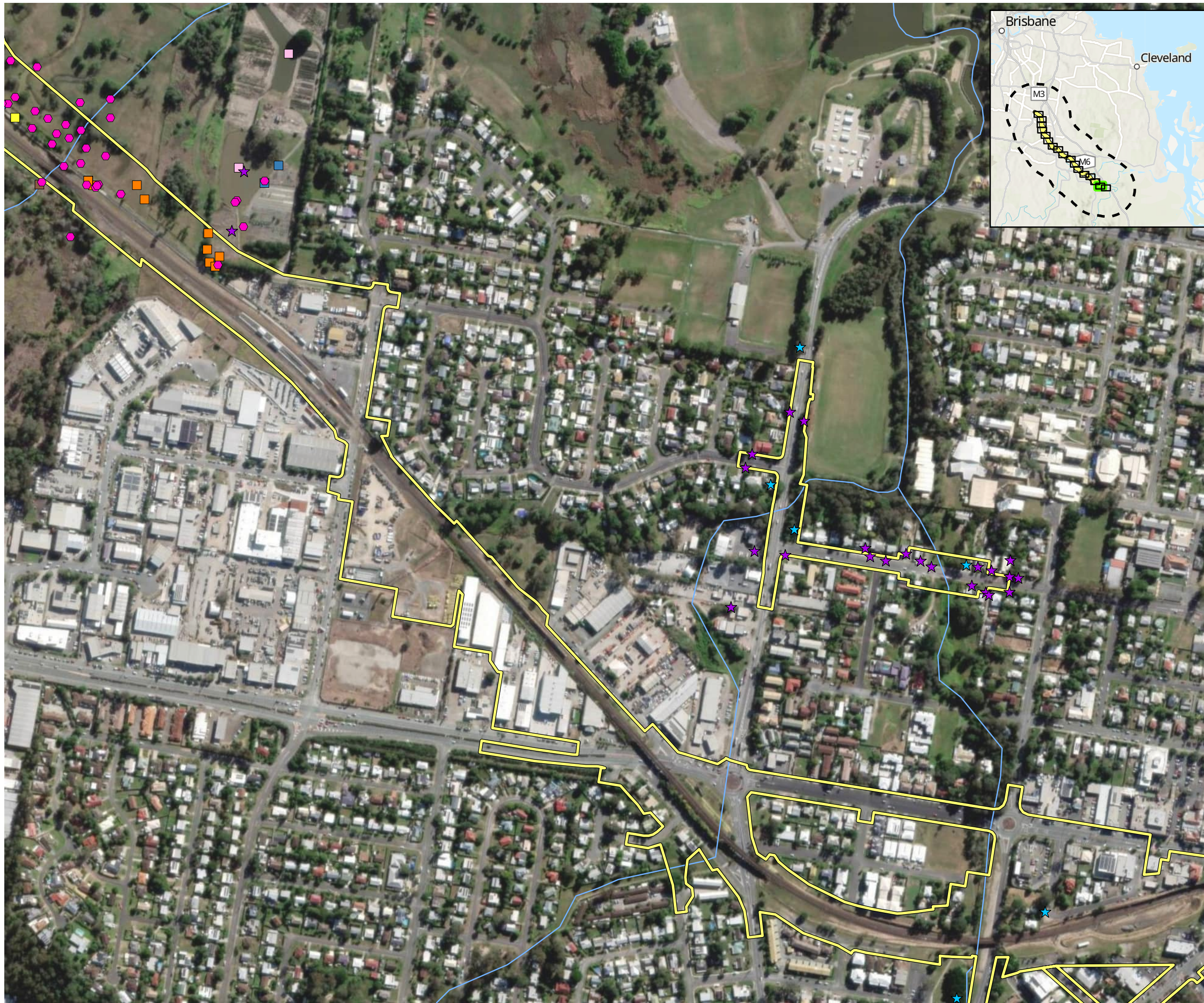
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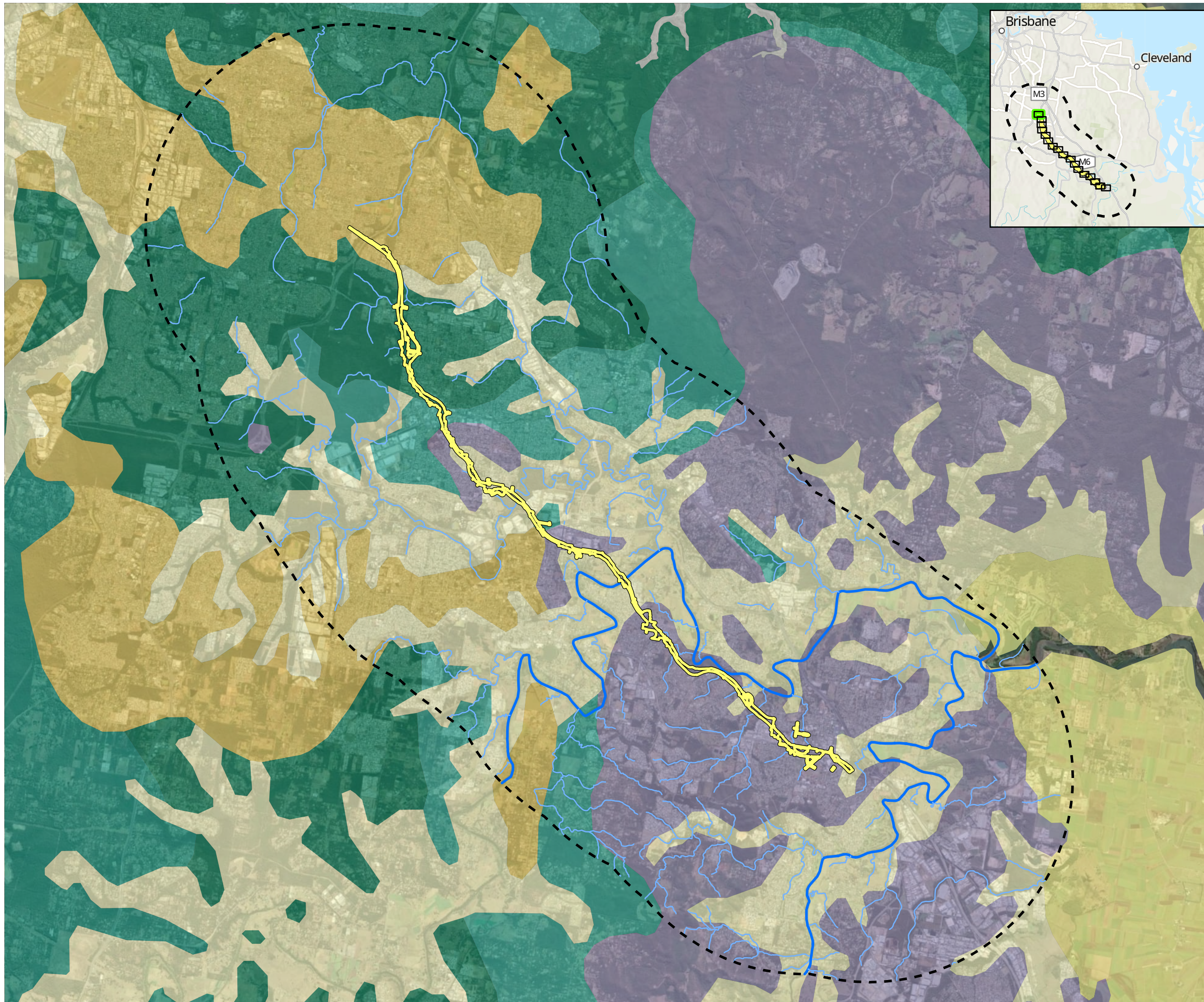
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Figure 3 Fauna survey site locations

Figure 4 Regional surface geology



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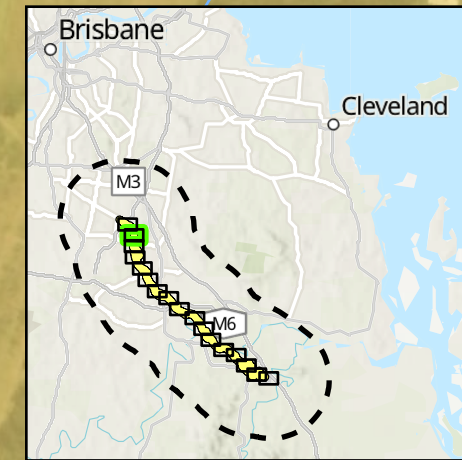
Figure 4 Regional surface geology

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Project: Logan and Gold Coast Faster Rail
Report: Preliminary Documentation - Supplementary MNES Report
Client: Department of Transport and Main Roads
Project Number: 60681907
Date: 12/02/2025

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








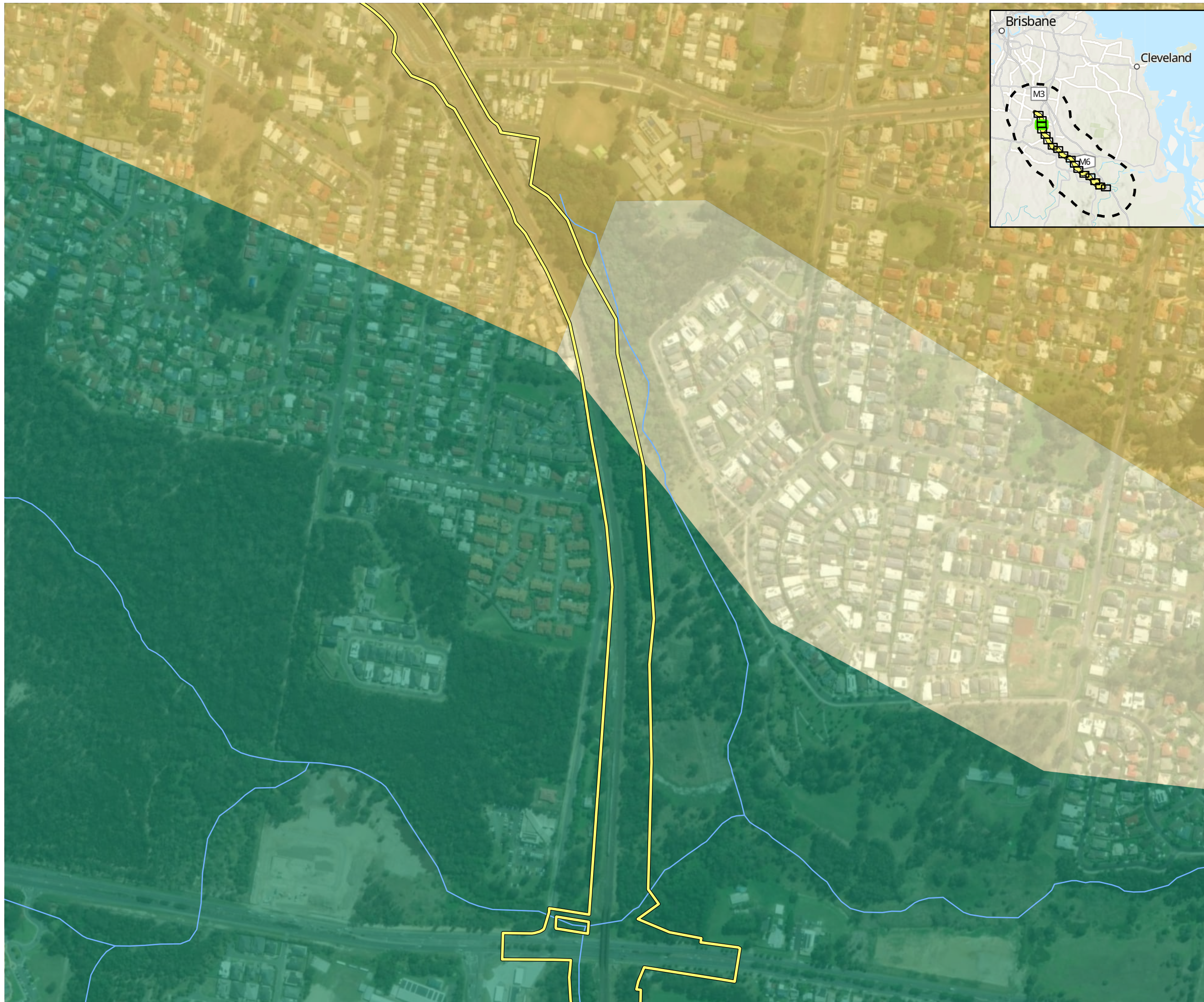
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Figure 4 Regional surface geology



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

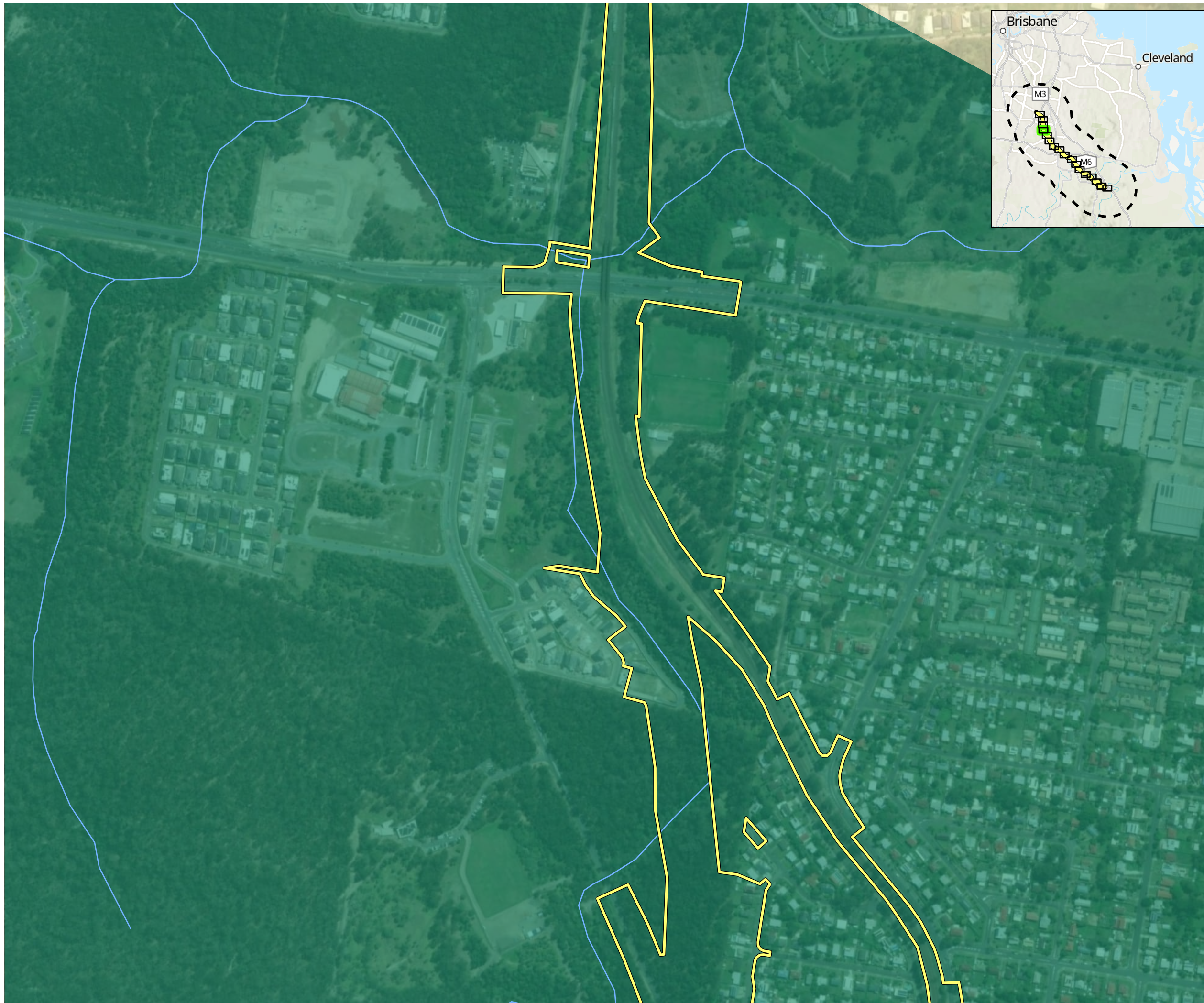
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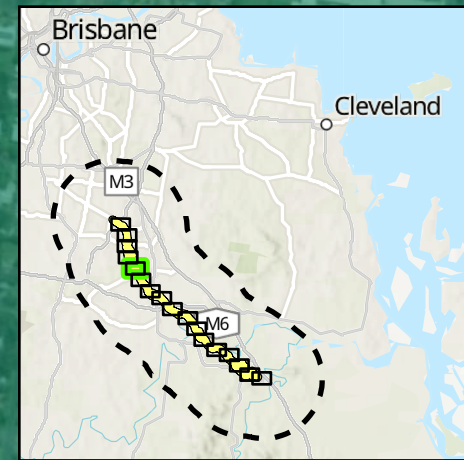
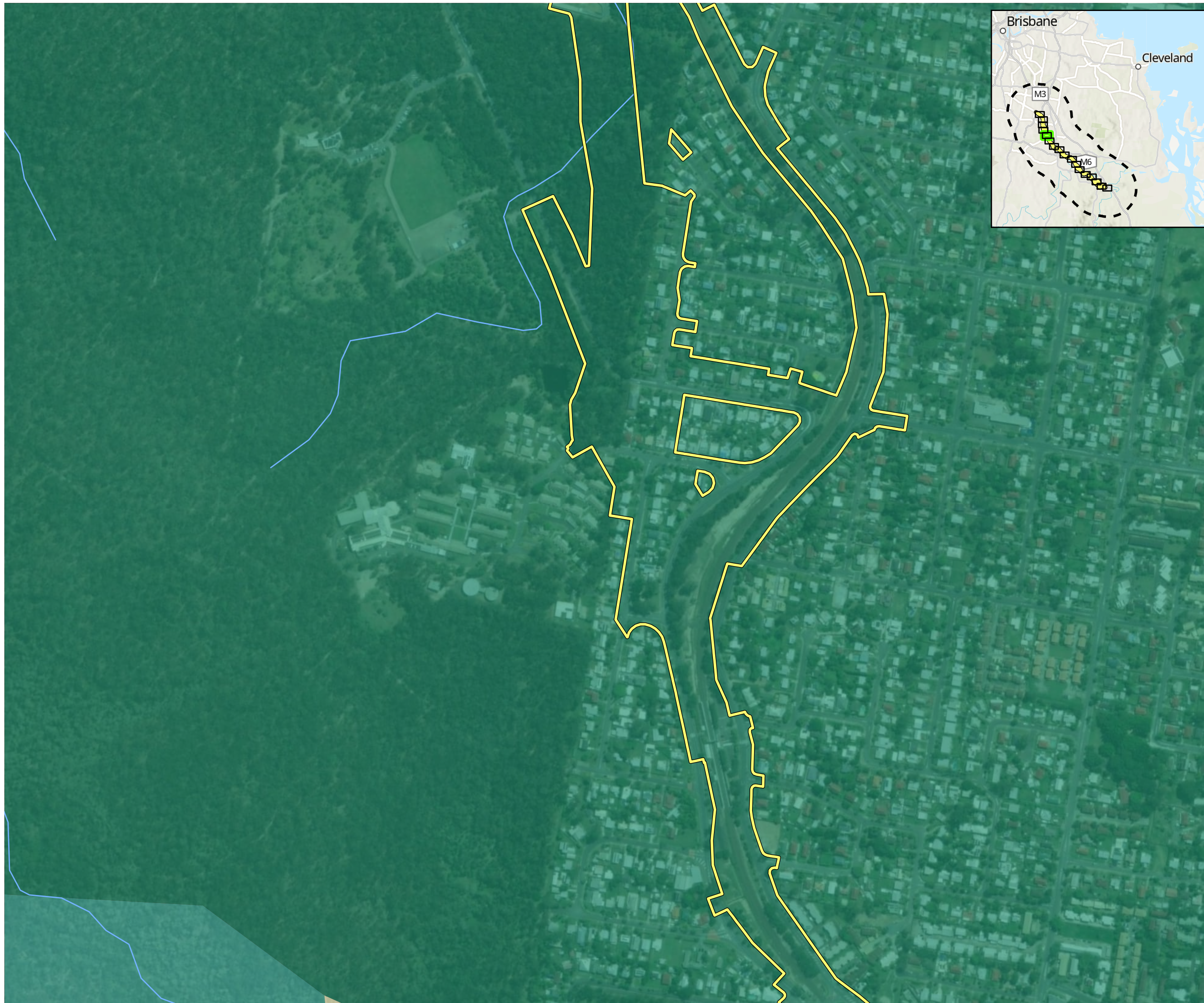
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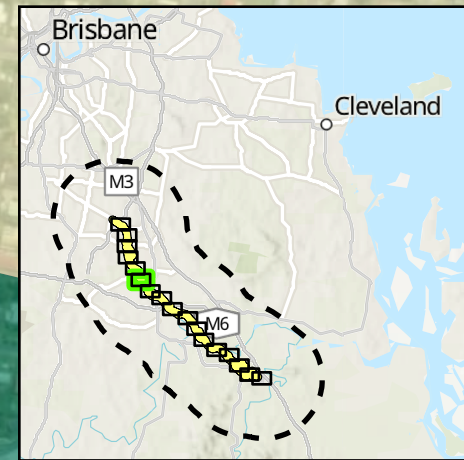
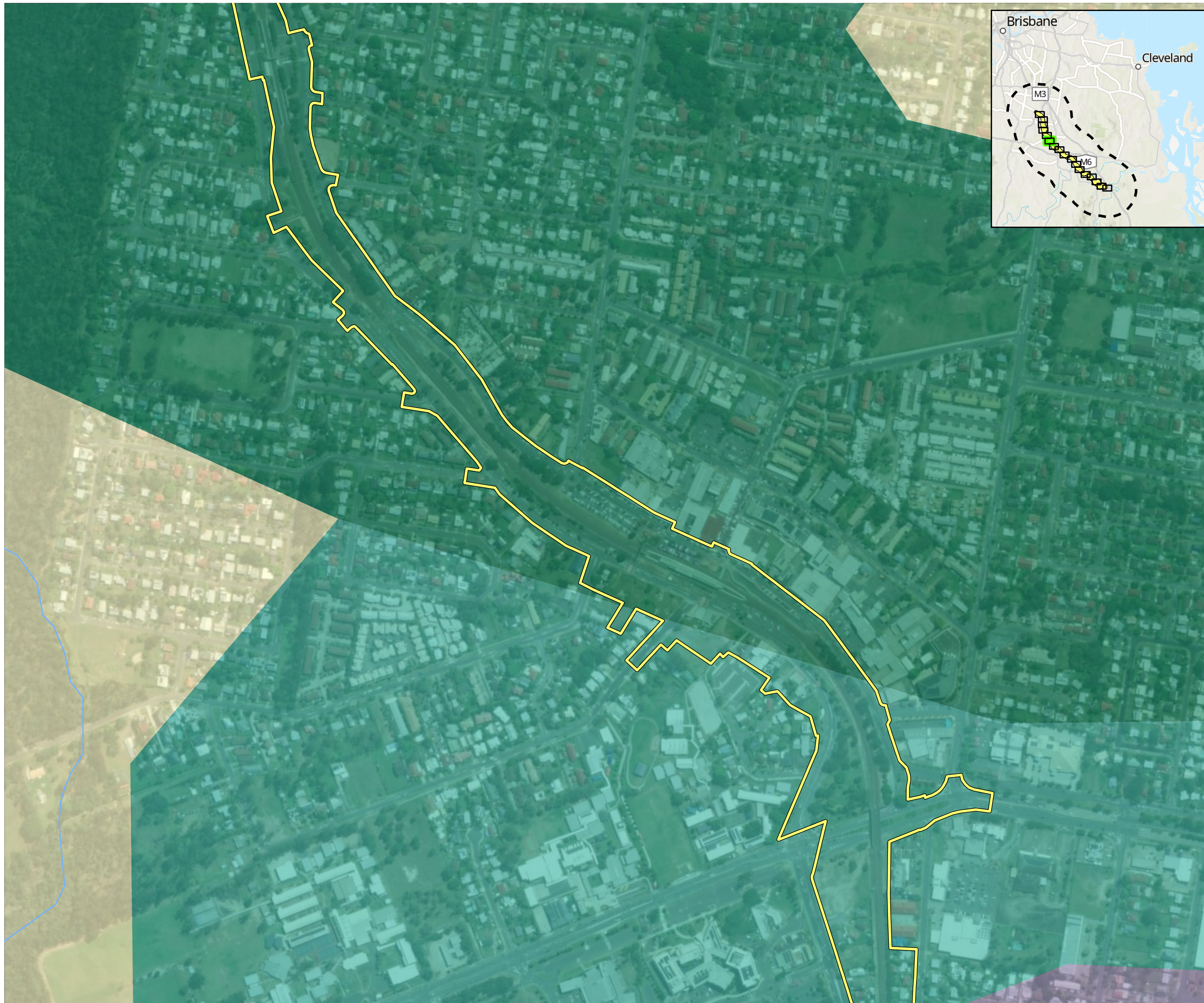


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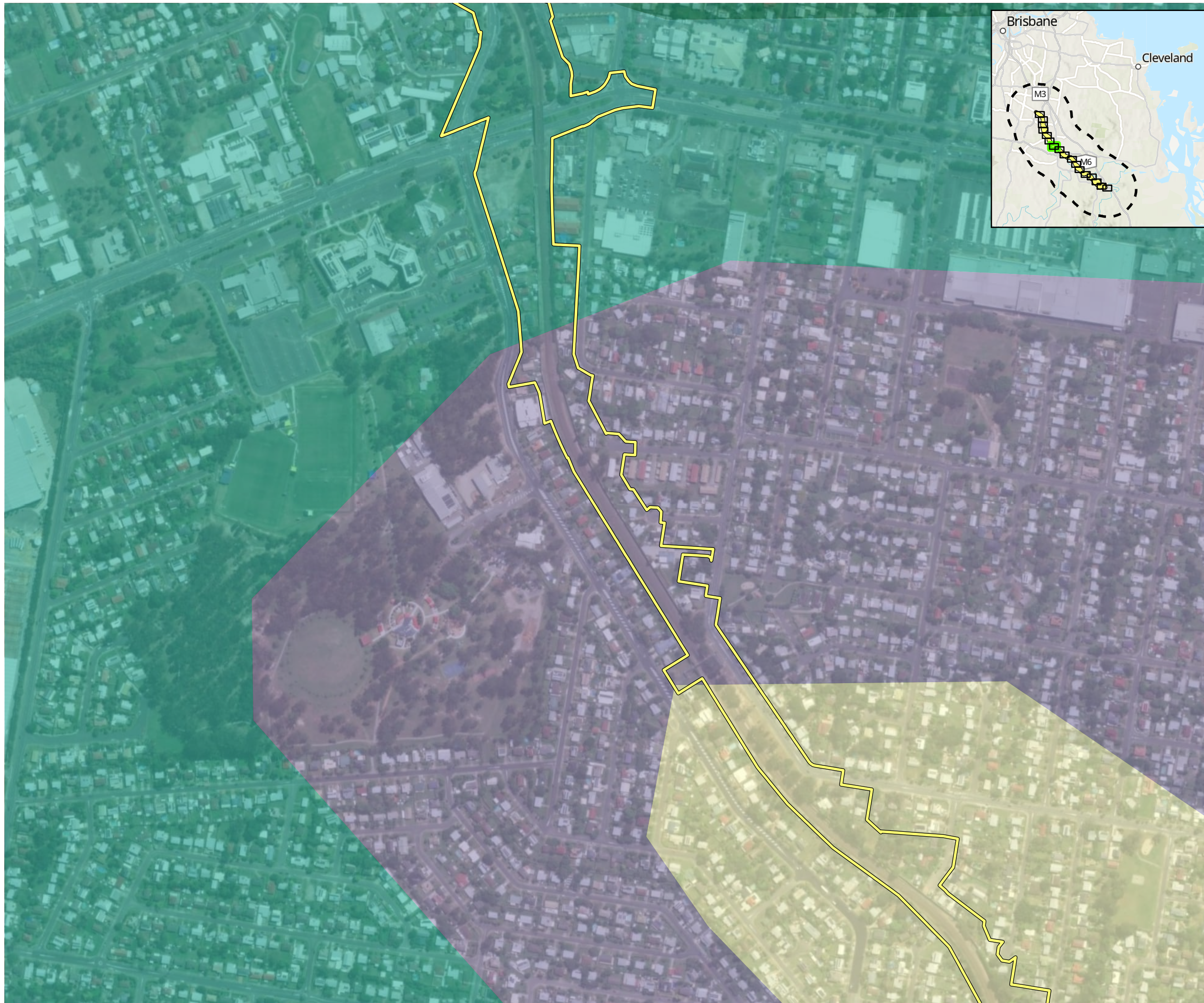


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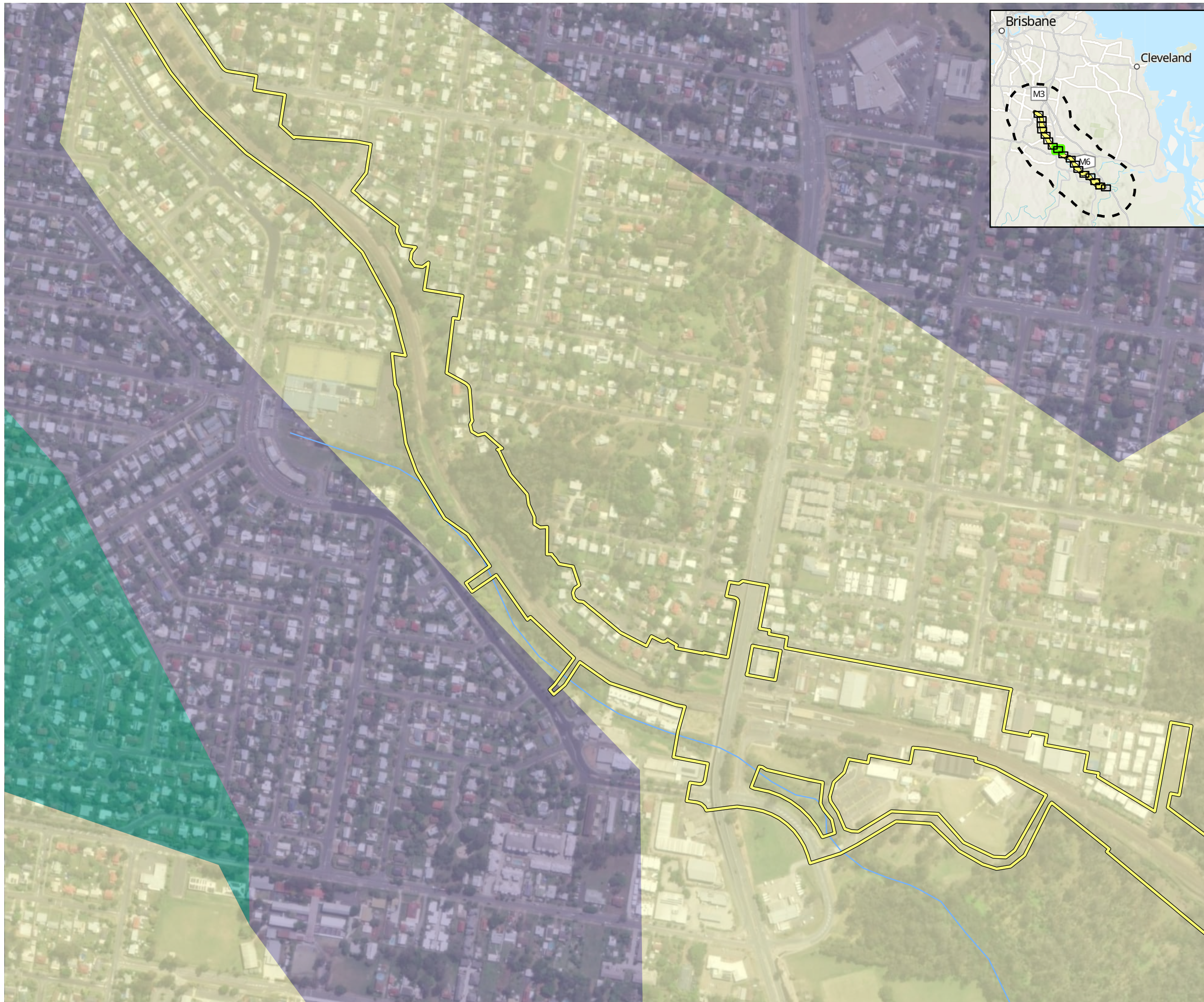
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Figure 4 Regional surface geology

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Project: Logan and Gold Coast Faster Rail
Report: Preliminary Documentation - Supplementary MNES Report
Client: Department of Transport and Main Roads
Project Number: 60681907
Date: 12/02/2025

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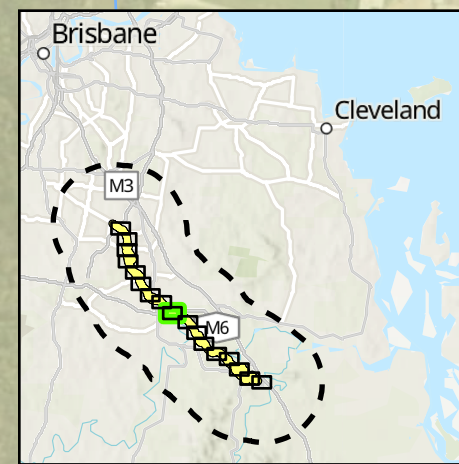
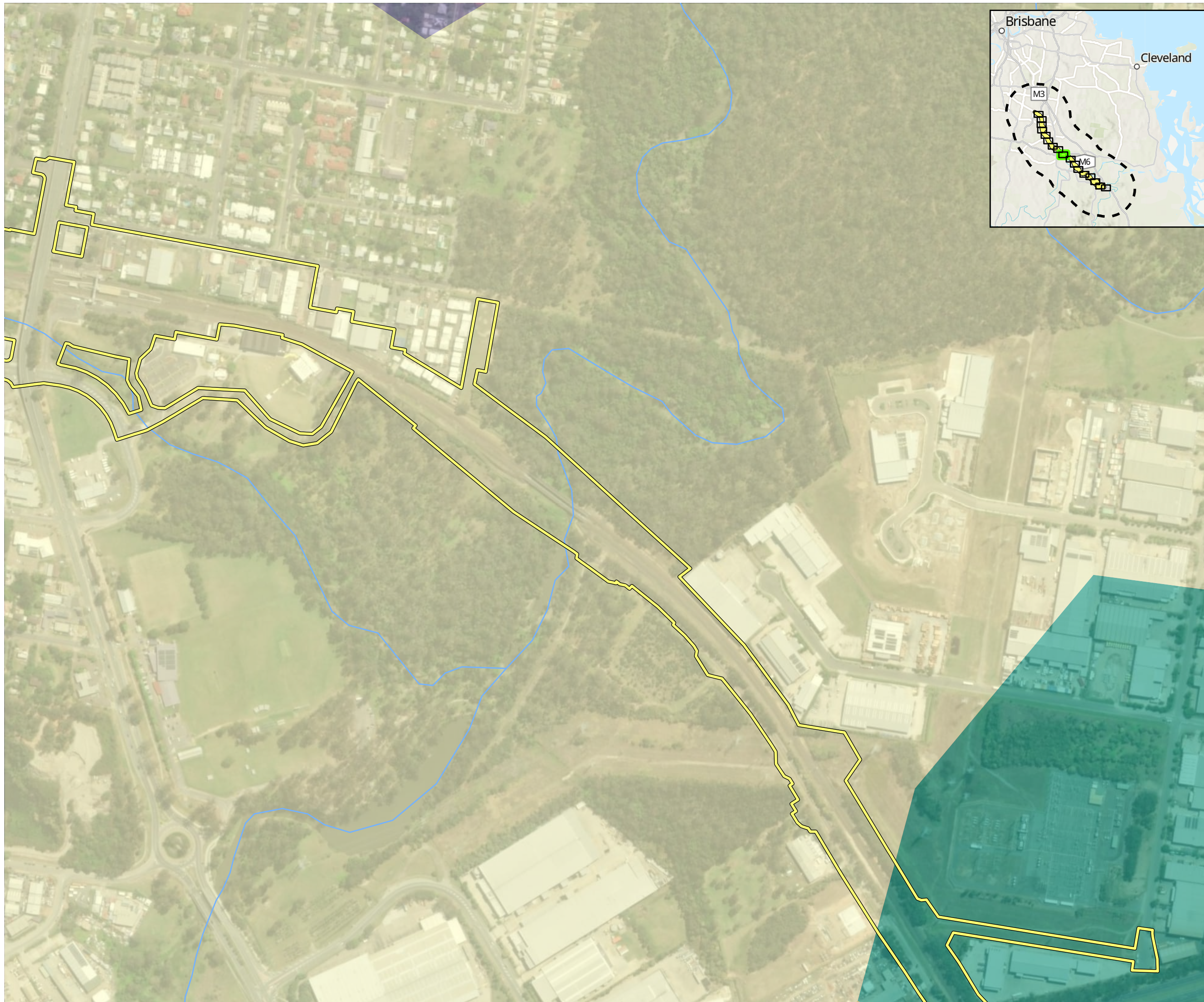
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Figure 4 Regional surface geology

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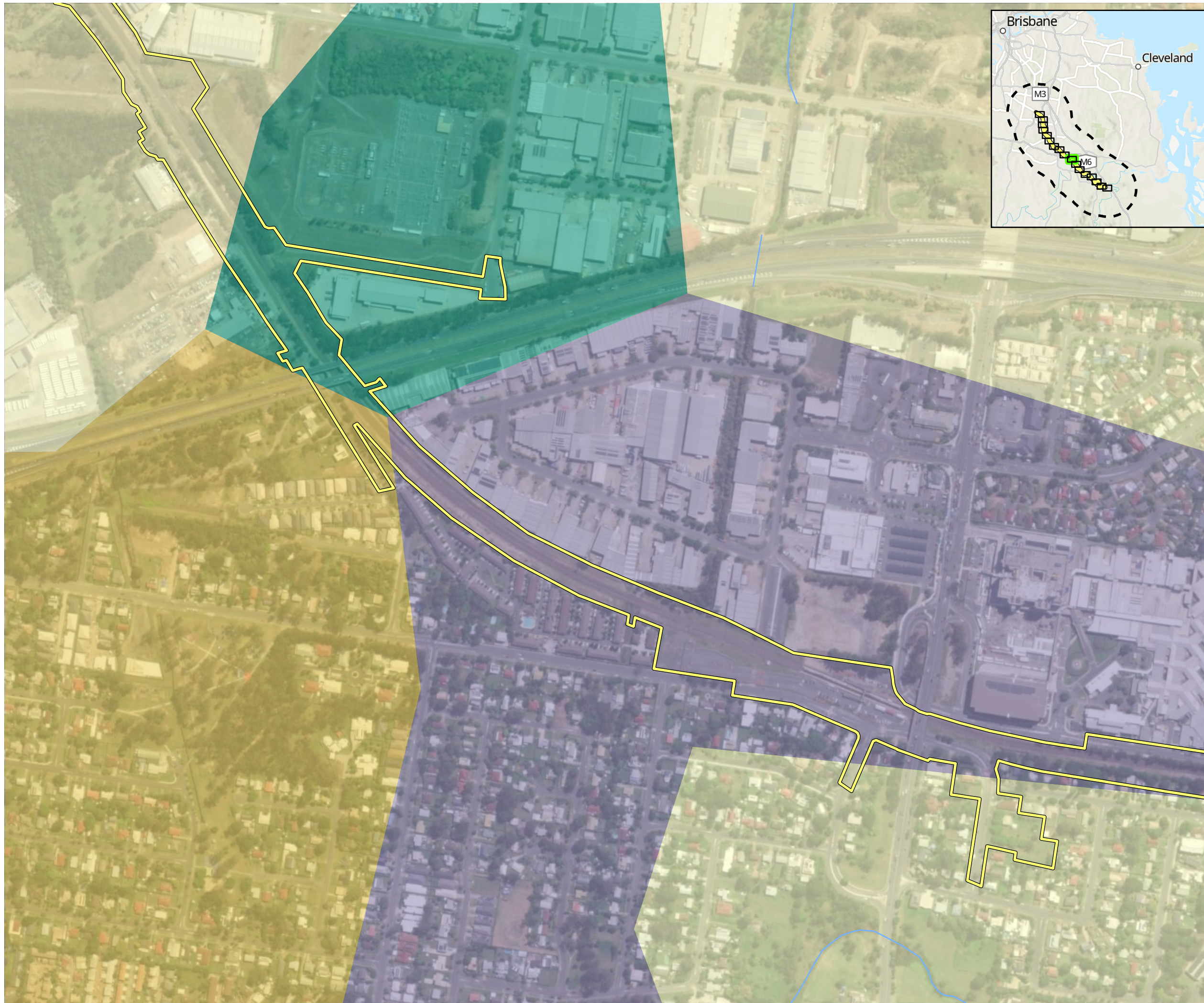


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




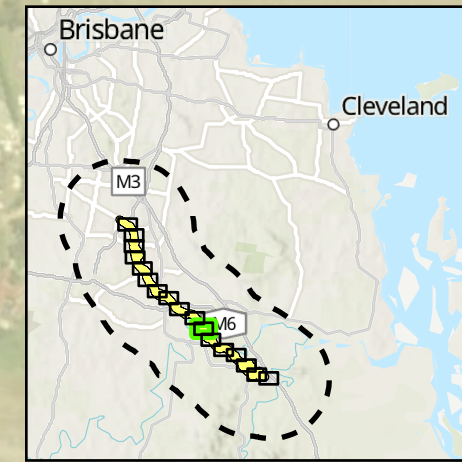
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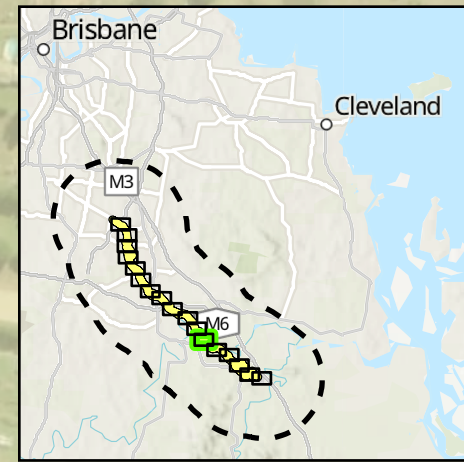
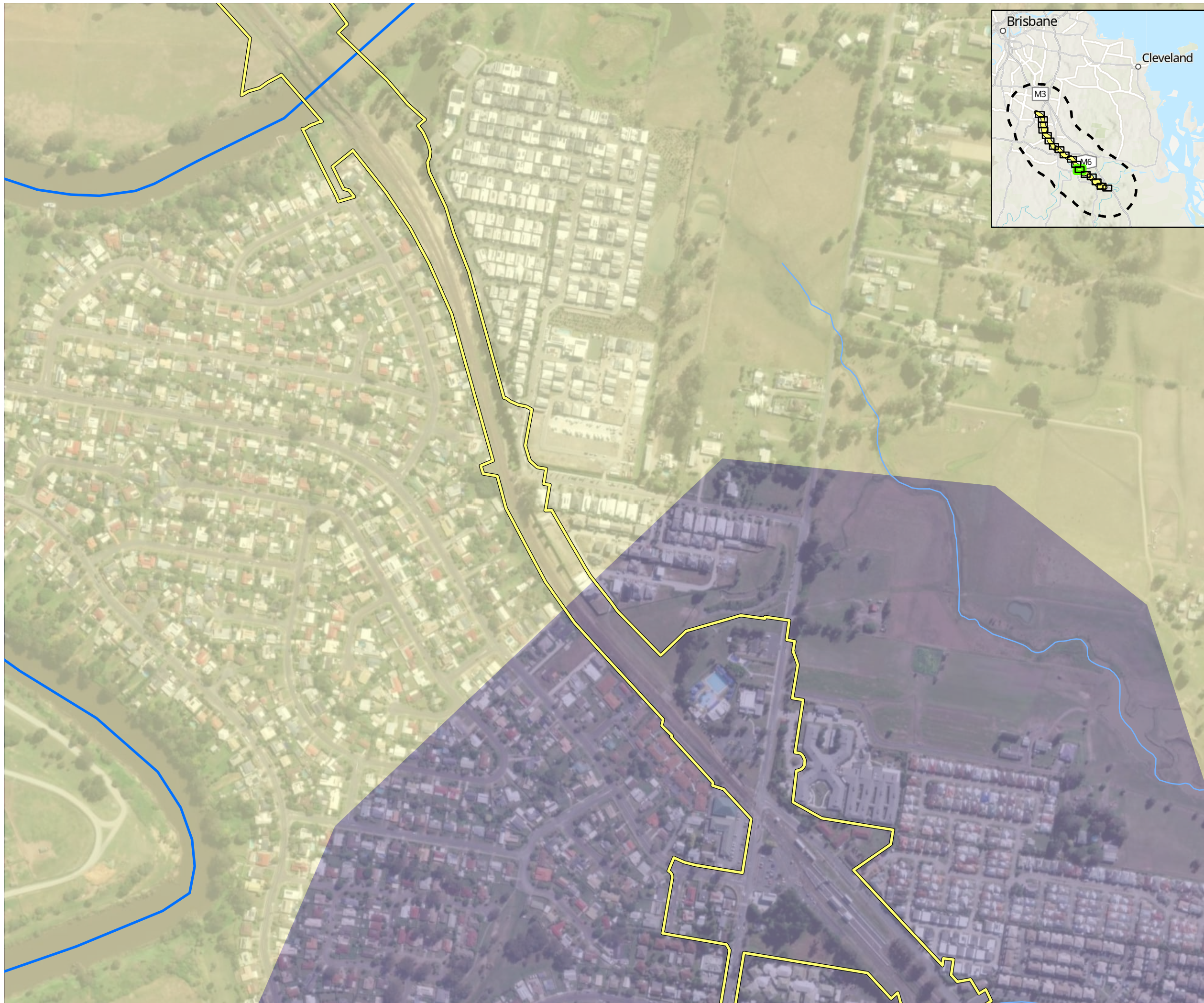


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








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Figure 4 Regional surface geology

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




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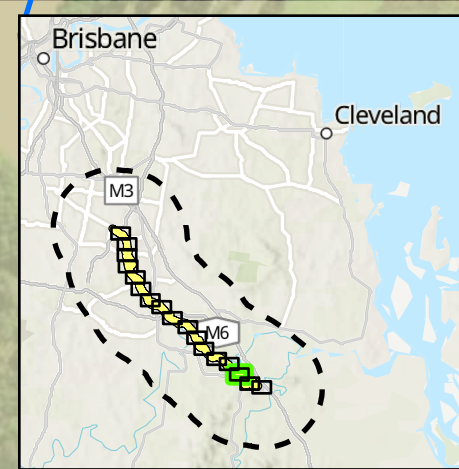
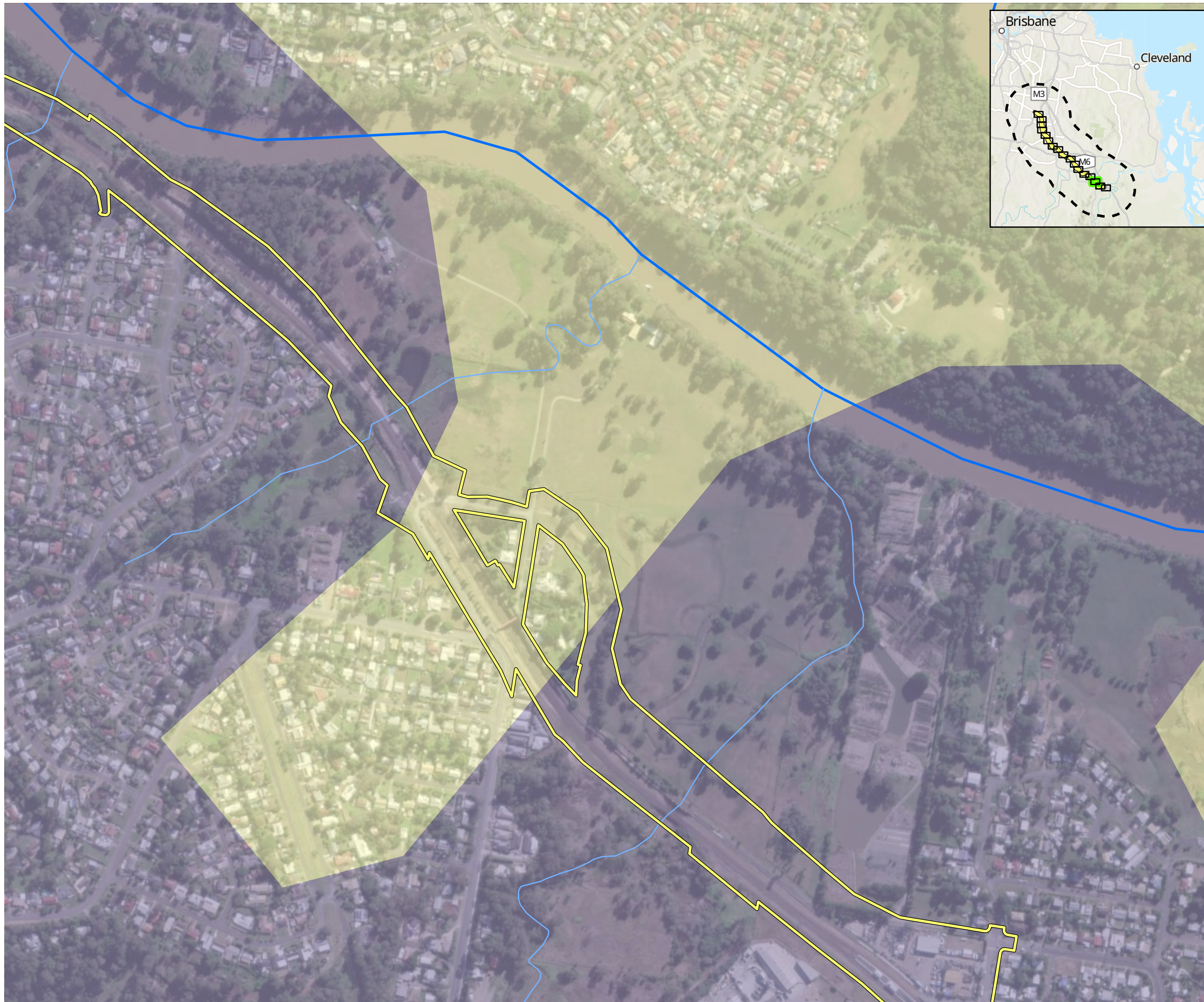
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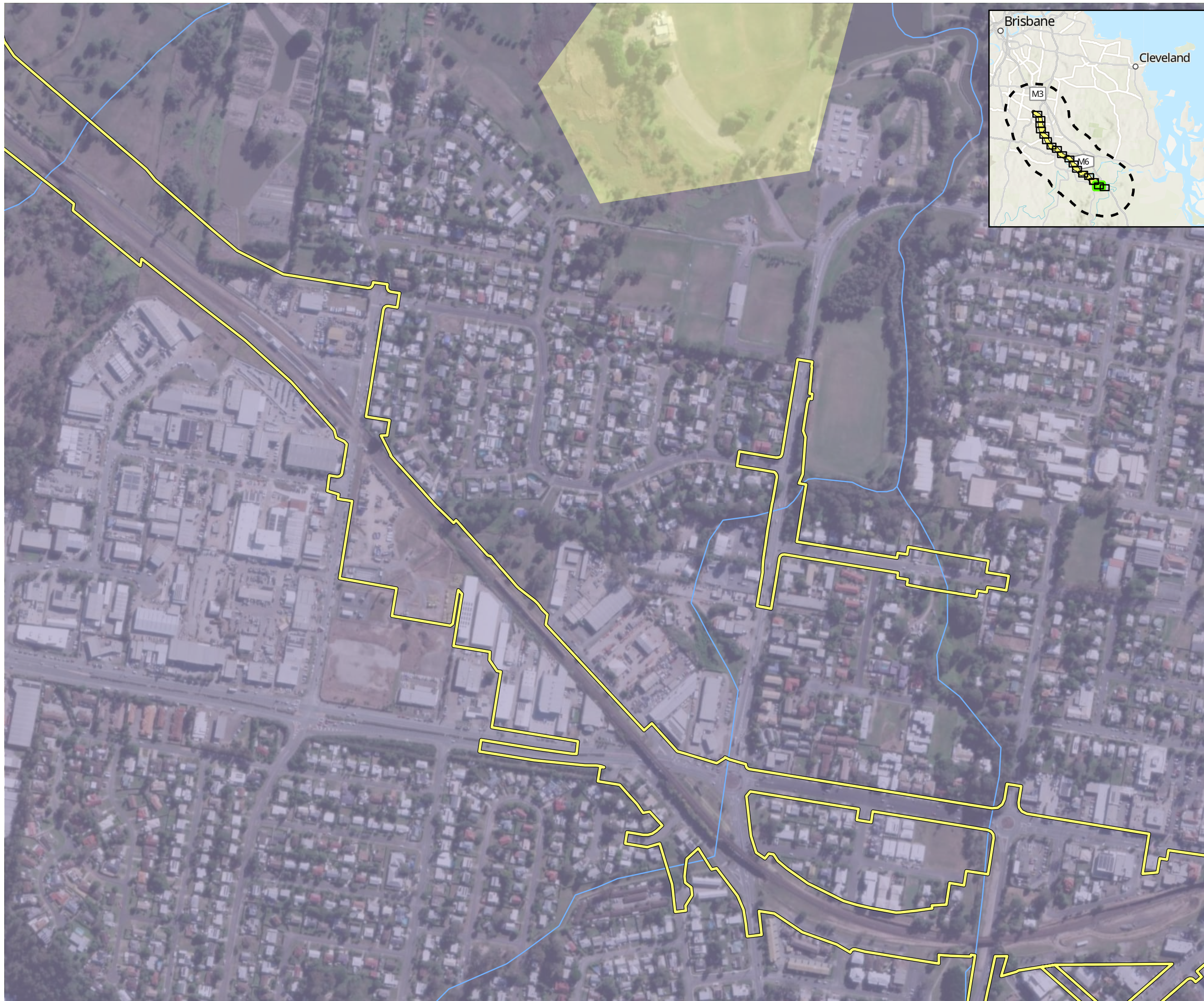


AECOM



- Study area
- Impact area
- Watercourse (major)
- Watercourse (minor)
- Brisbane Tuff (Rif)
- Ipswich Coal Measures (Ri)
- MG-Q (Q)
- MG-TQa (TQa)
- MG-Tv (Tv)
- Marburg Subgroup (Jbm)
- Neranleigh-Fernvale beds (DCf)
- Oxley Group (To)
- Qa-QLD (Qa)
- Woogaroo Subgroup (RJbw)
- Water body (unspecified) (W)

Figure 4 Regional surface geology



AECOM



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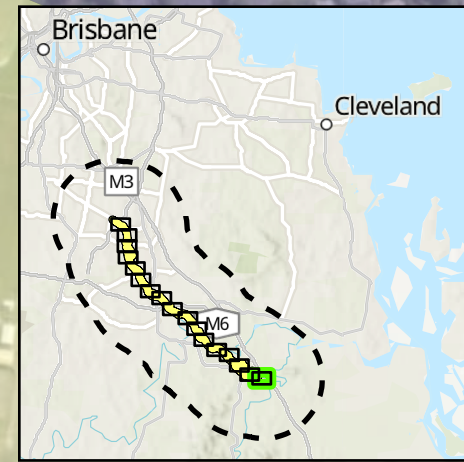
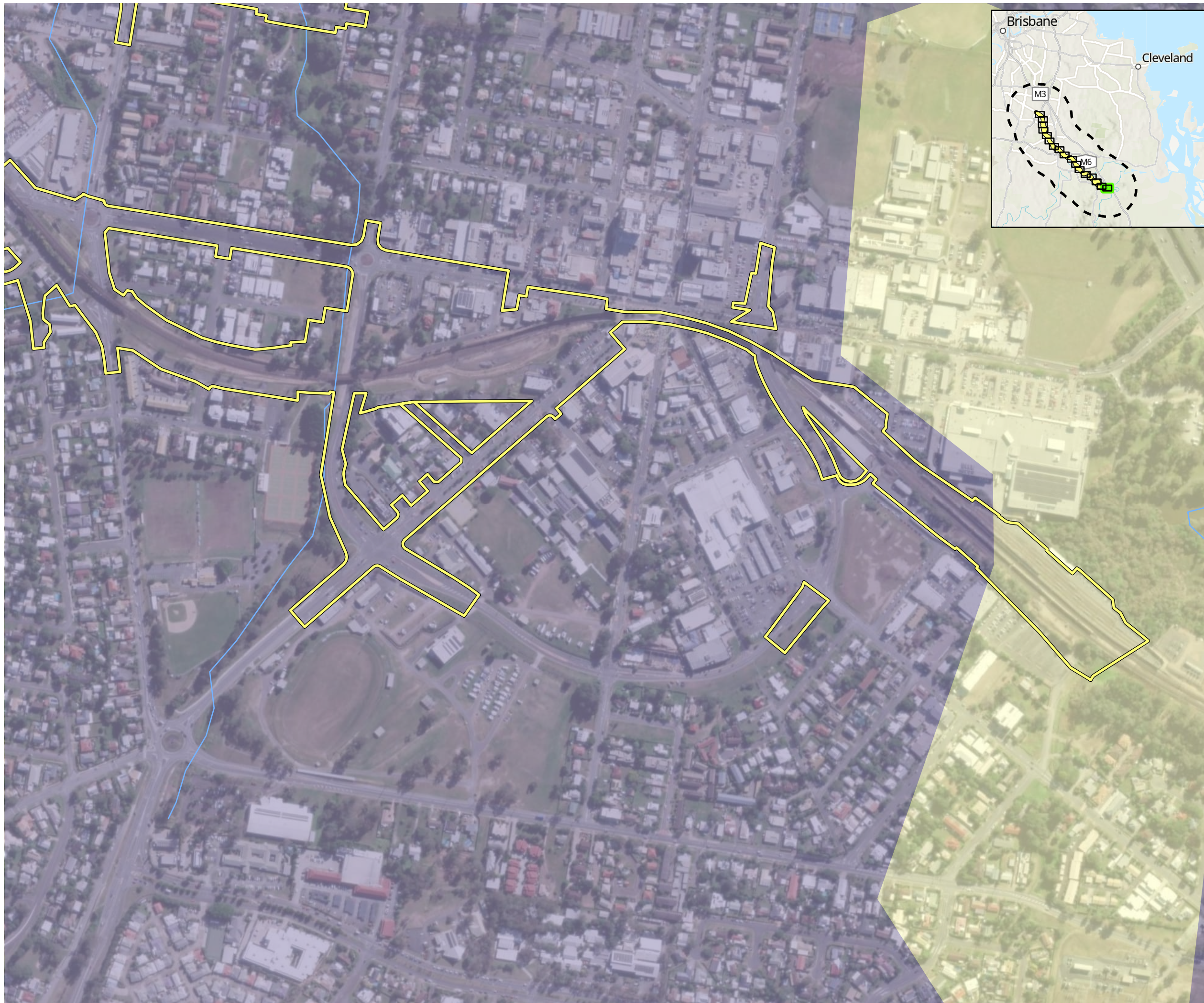
Figure 4 Regional surface geology

Page 16 of 18

Project: Logan and Gold Coast Faster Rail
Report: Preliminary Documentation - Supplementary MNES Report
Client: Department of Transport and Main Roads
Project Number: 60681907
Date: 12/02/2025

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Figure 4 Regional surface geology

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Figure 4 Regional surface geology

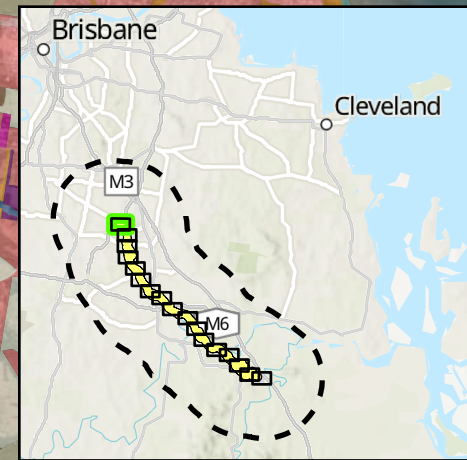
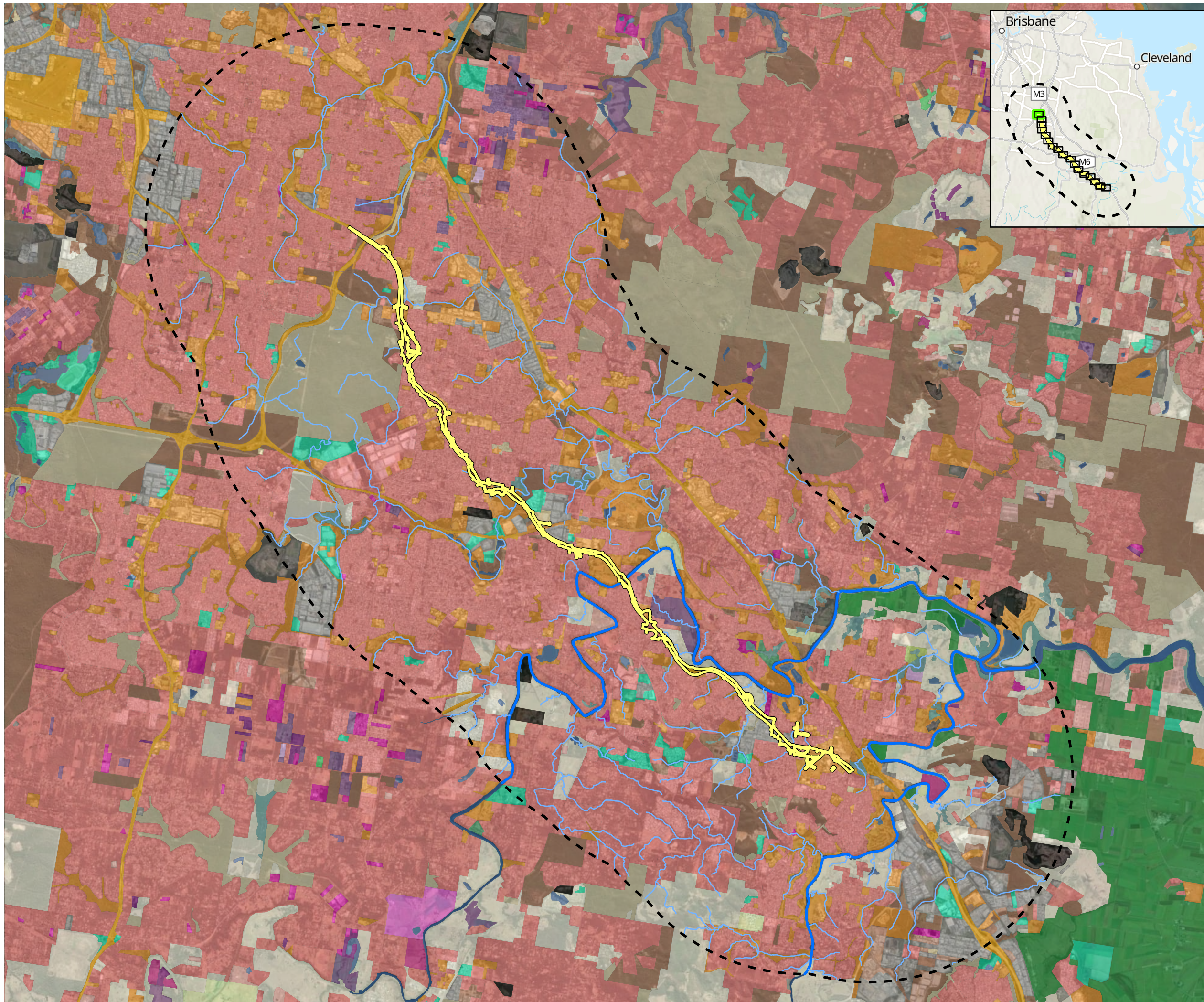
Page 18 of 18

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Figure 5 Land use mapping



AECOM



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- Study area
 - Impact area
 - Watercourse (major)
 - Watercourse (minor)
- Landuse mapping - Secondary**
- | | |
|-------------------------------------|-------------------------------------|
| Nature conservation | Irrigated seasonal horticulture |
| Managed resource protection | Irrigated land in transition |
| Other minimal use | Intensive horticulture |
| Grazing native vegetation | Intensive animal production |
| Production native forests | Manufacturing and industrial |
| Plantation forests | Residential and farm infrastructure |
| Grazing modified pastures | Services |
| Cropping | Utilities |
| Perennial horticulture | Transport and communication |
| Seasonal horticulture | Mining |
| Land in transition | Waste treatment and disposal |
| Grazing irrigated modified pastures | Reservoir/dam |
| Irrigated cropping | River |
| Irrigated perennial horticulture | Channel/aqueduct |
| | Marsh/wetland |
| | Estuary/coastal waters |

Figure 5 Landuse mapping

Page 1 of 18

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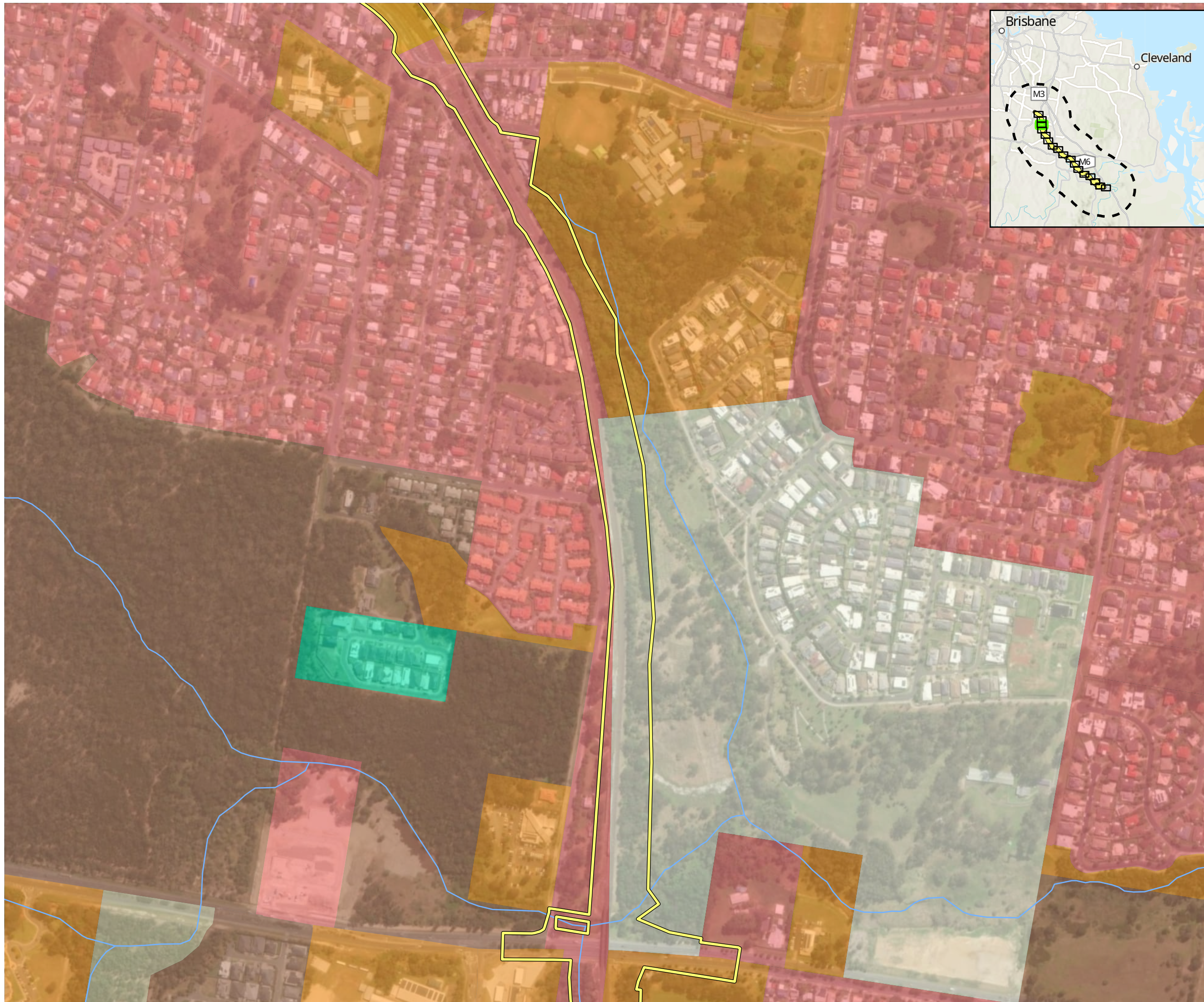


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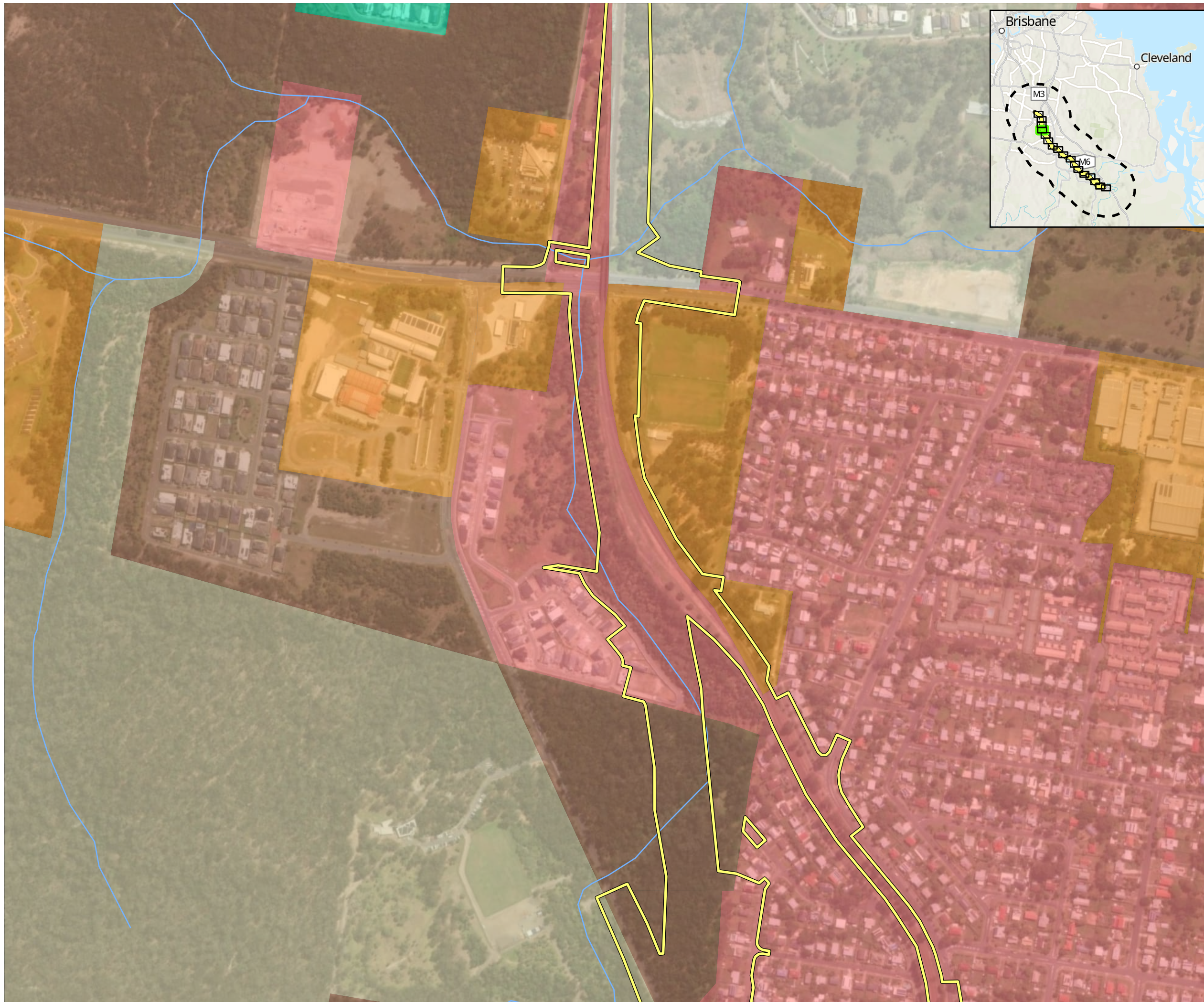
- Study area
 - Impact area
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 - Watercourse (minor)
- Landuse mapping - Secondary**
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|-------------------------------------|-------------------------------------|
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Figure 5 Landuse mapping

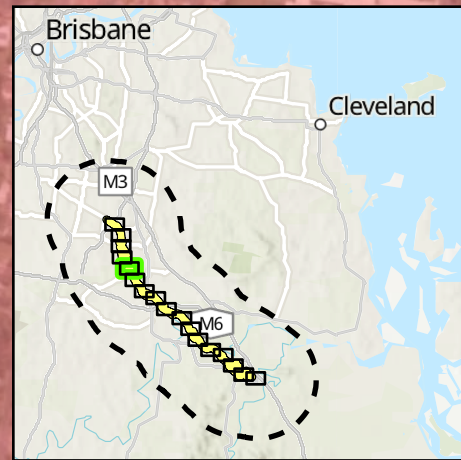
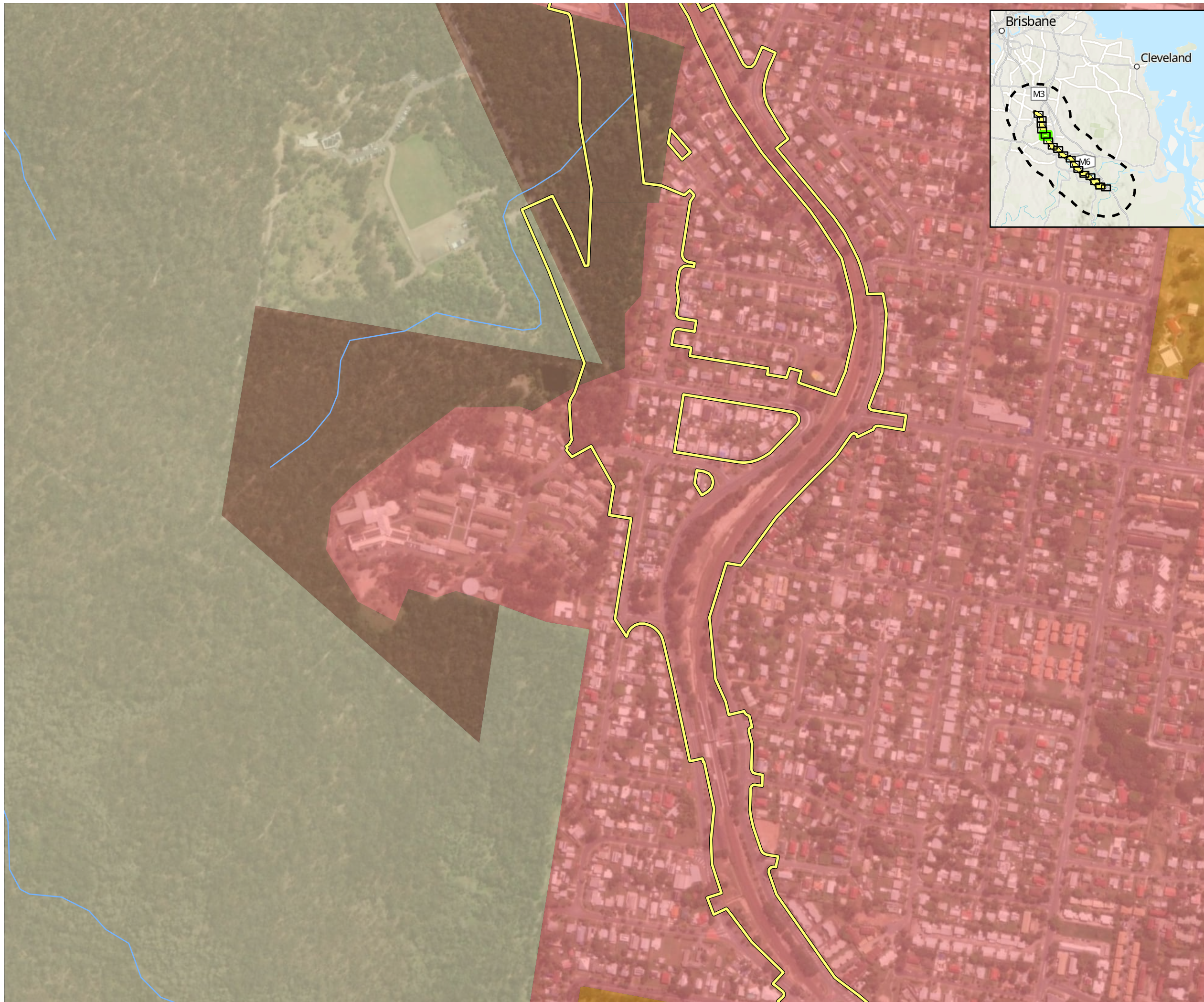


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Figure 5 Landuse mapping

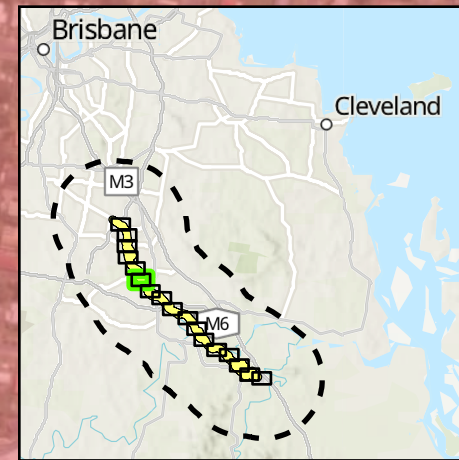
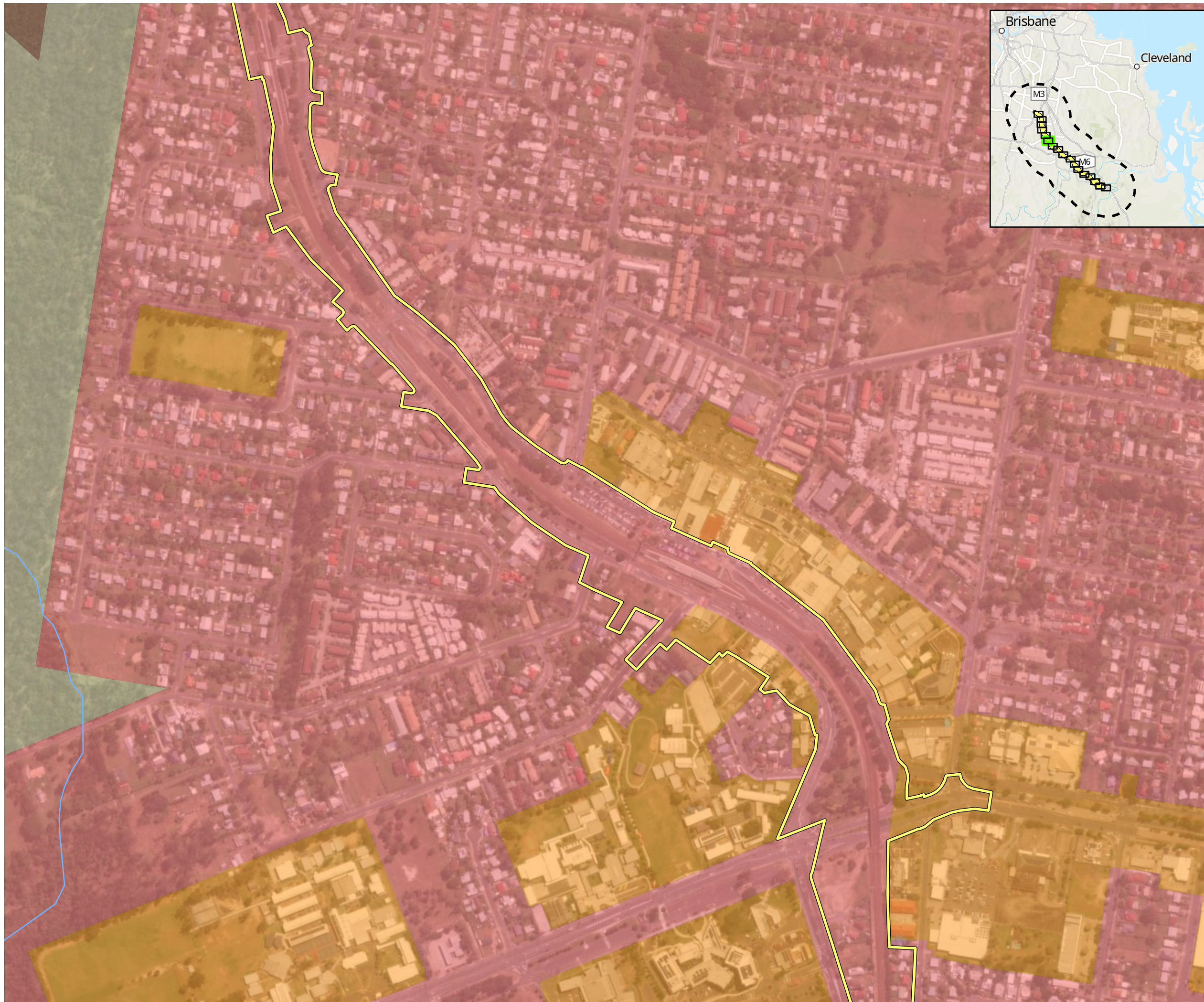


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Figure 5 Landuse mapping

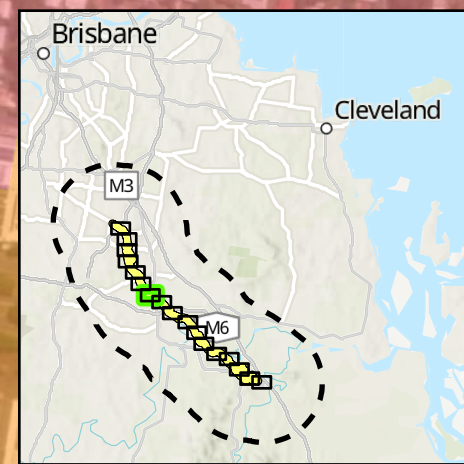


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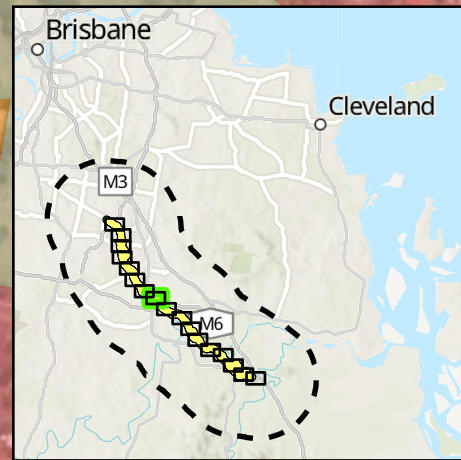
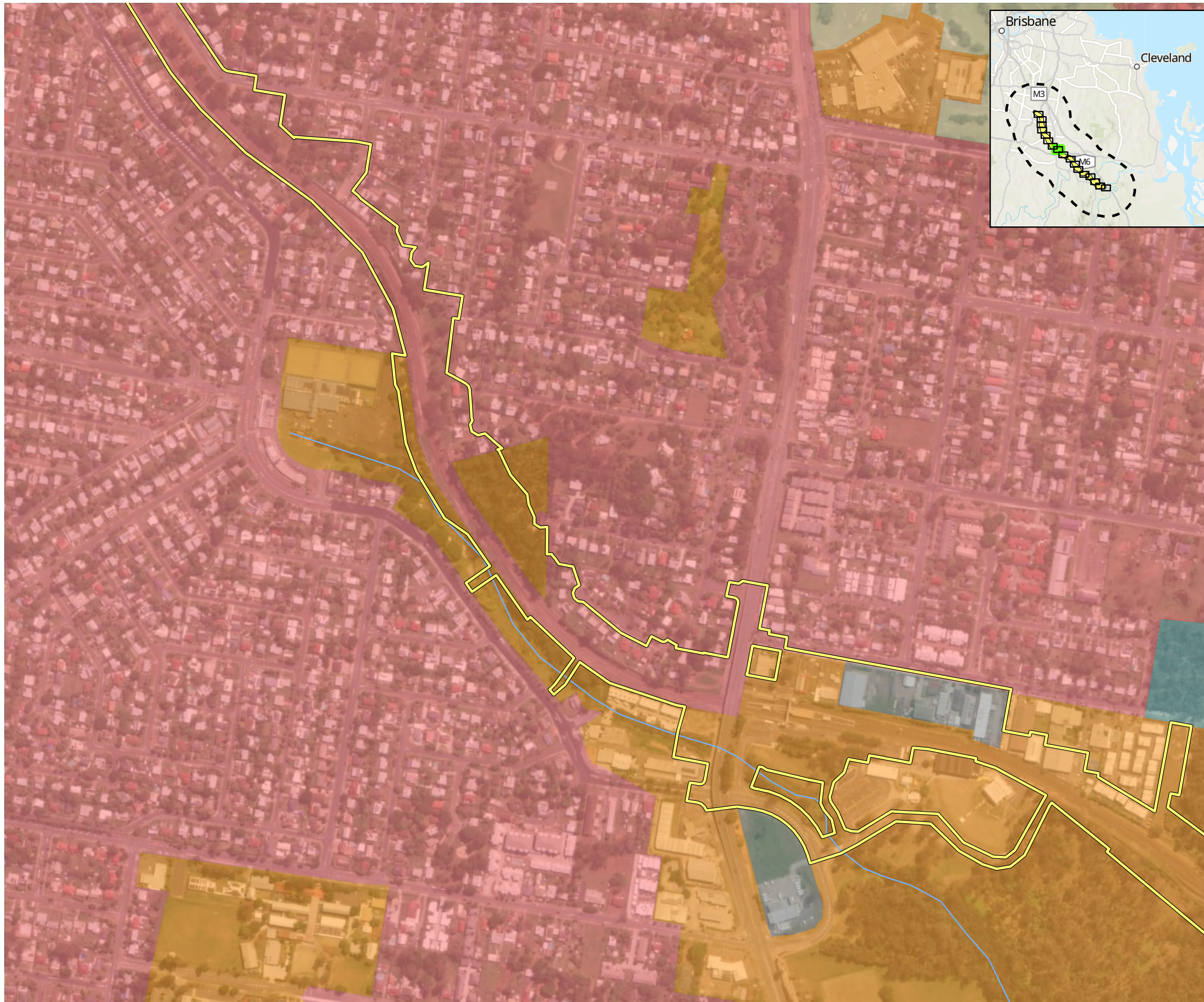


AECOM



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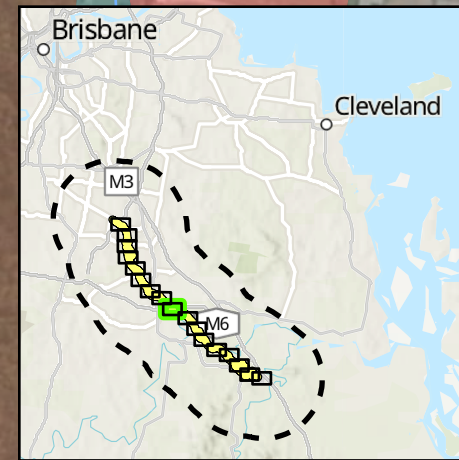
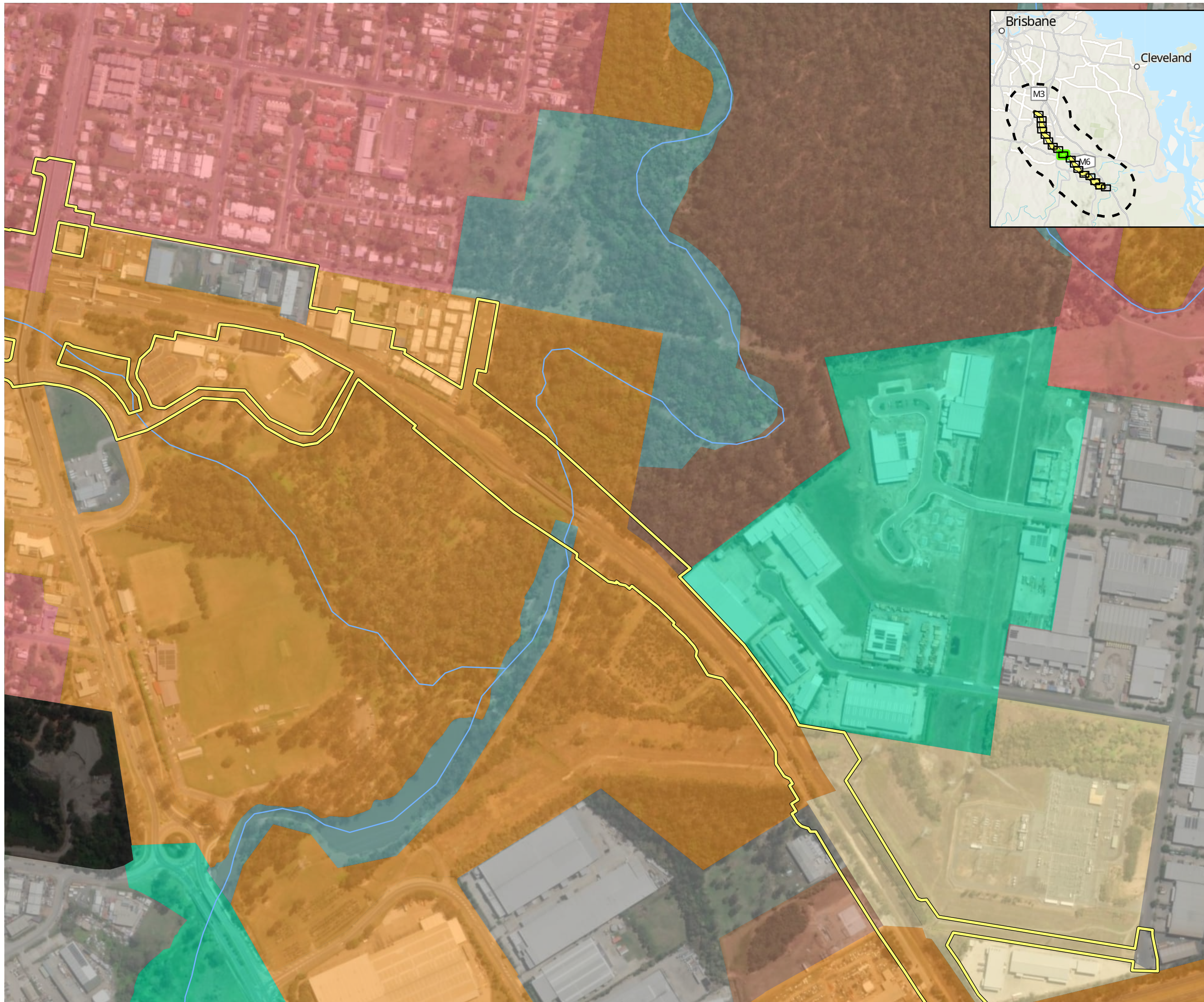


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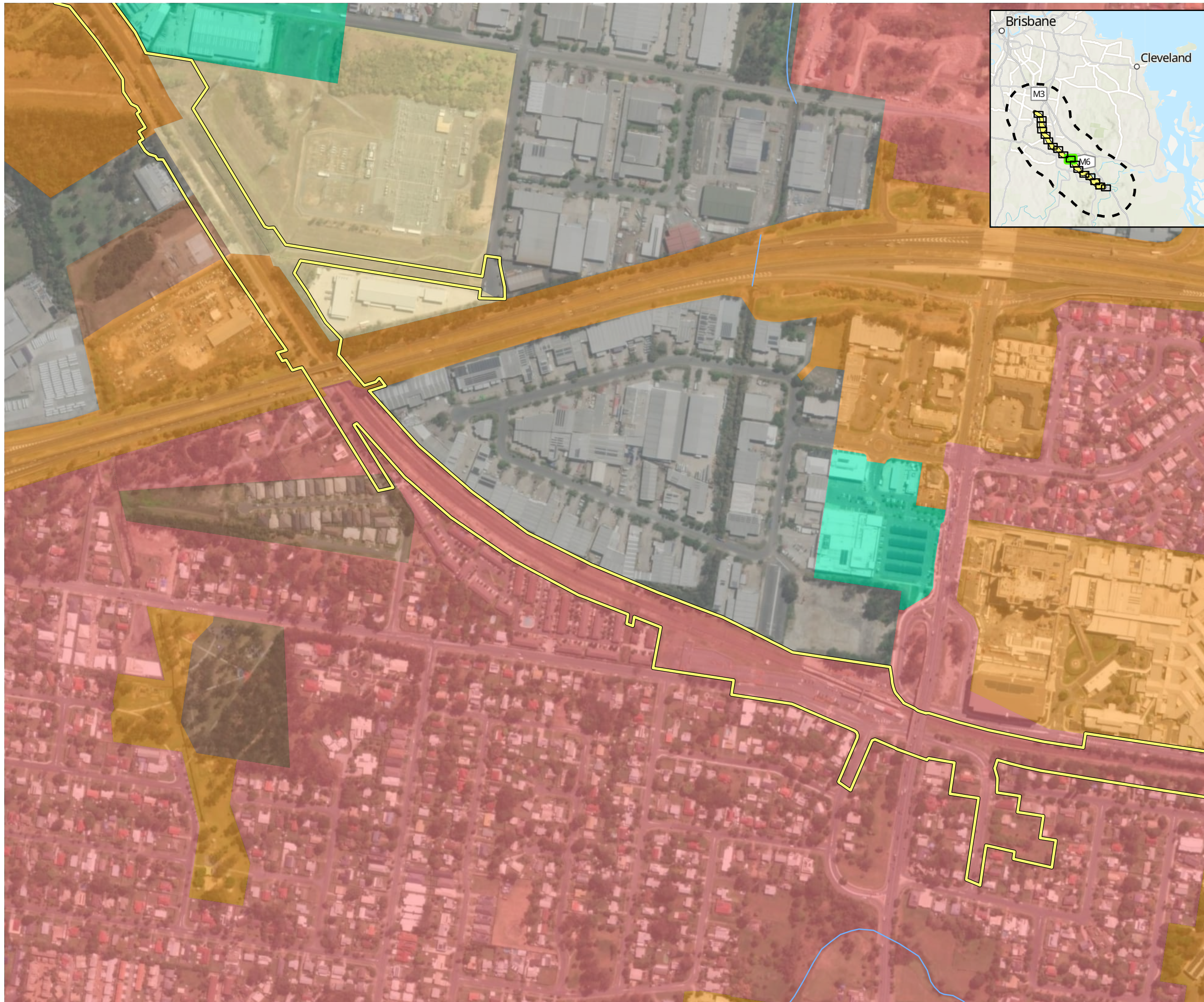


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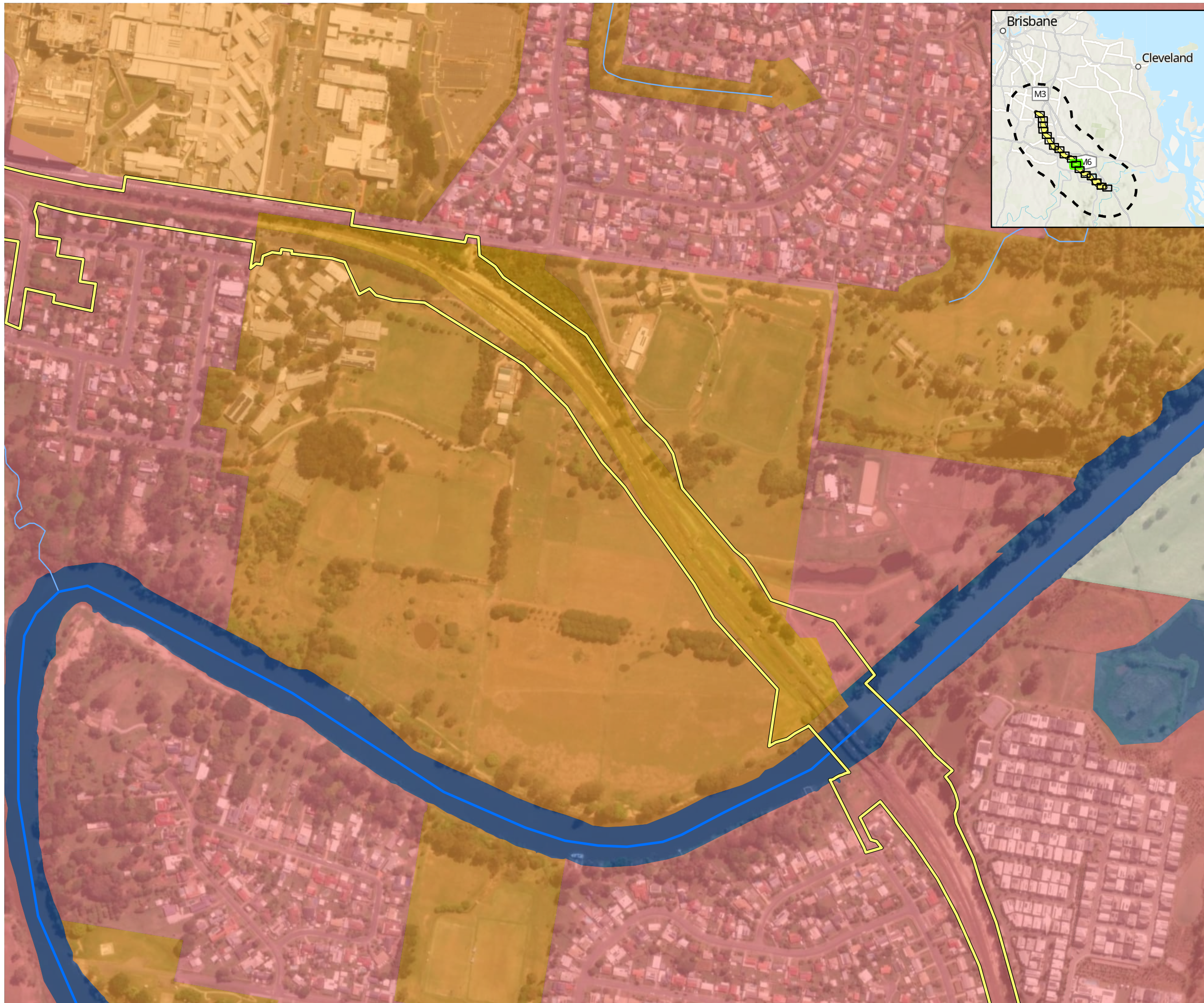
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| <ul style="list-style-type: none"> Nature conservation Managed resource protection Other minimal use Grazing native vegetation Production native forests Plantation forests Grazing modified pastures Cropping Perennial horticulture Seasonal horticulture Land in transition Grazing irrigated modified pastures Irrigated cropping Irrigated perennial horticulture | <ul style="list-style-type: none"> Irrigated seasonal horticulture Irrigated land in transition Intensive horticulture Intensive animal production Manufacturing and industrial Residential and farm infrastructure Services Utilities Transport and communication Mining Waste treatment and disposal Reservoir/dam River Channel/aqueduct Marsh/wetland Estuary/coastal waters |
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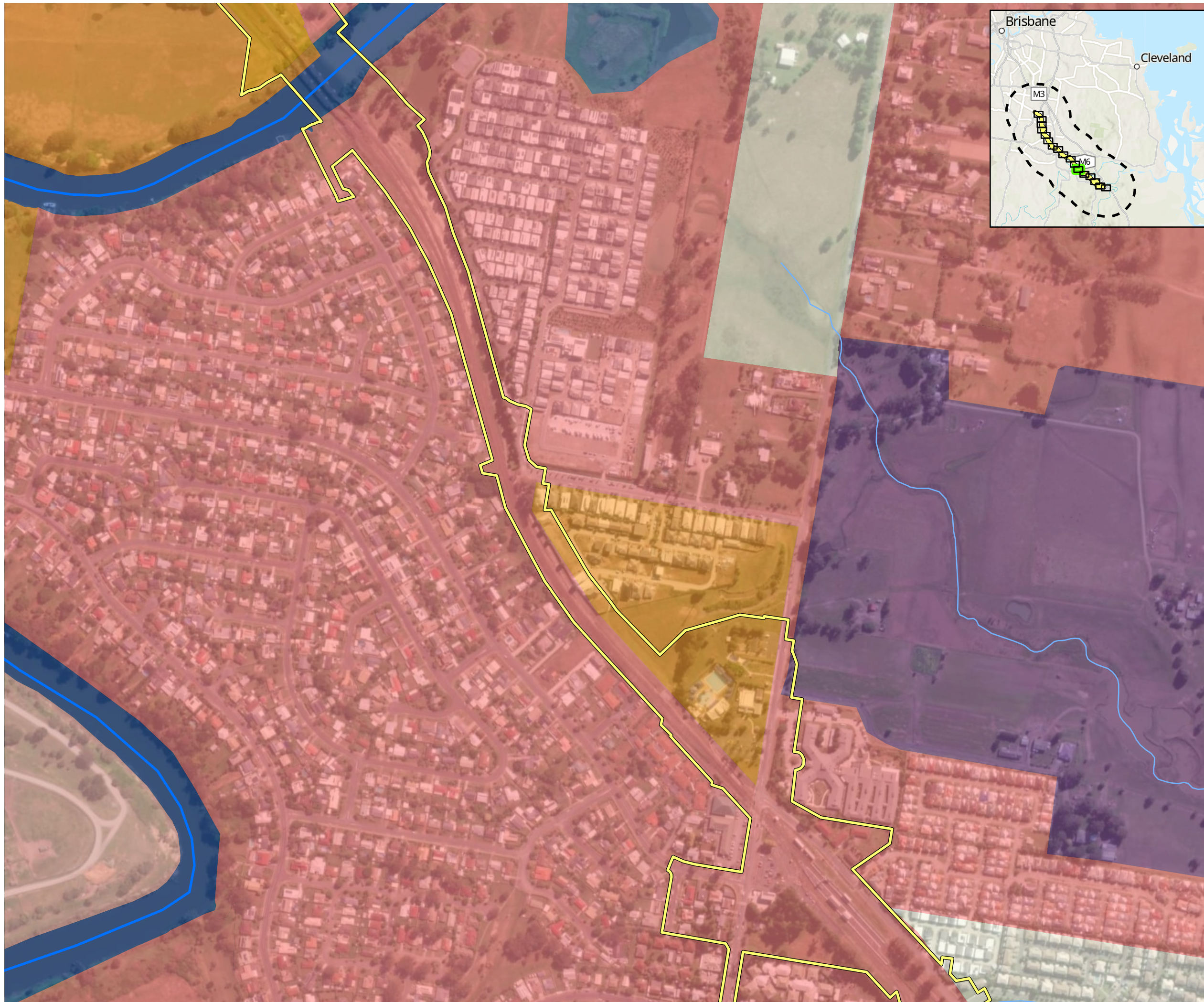


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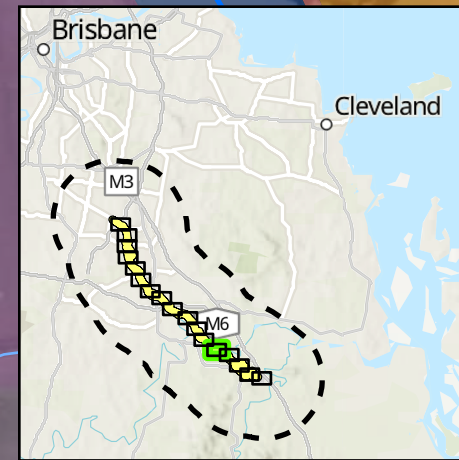
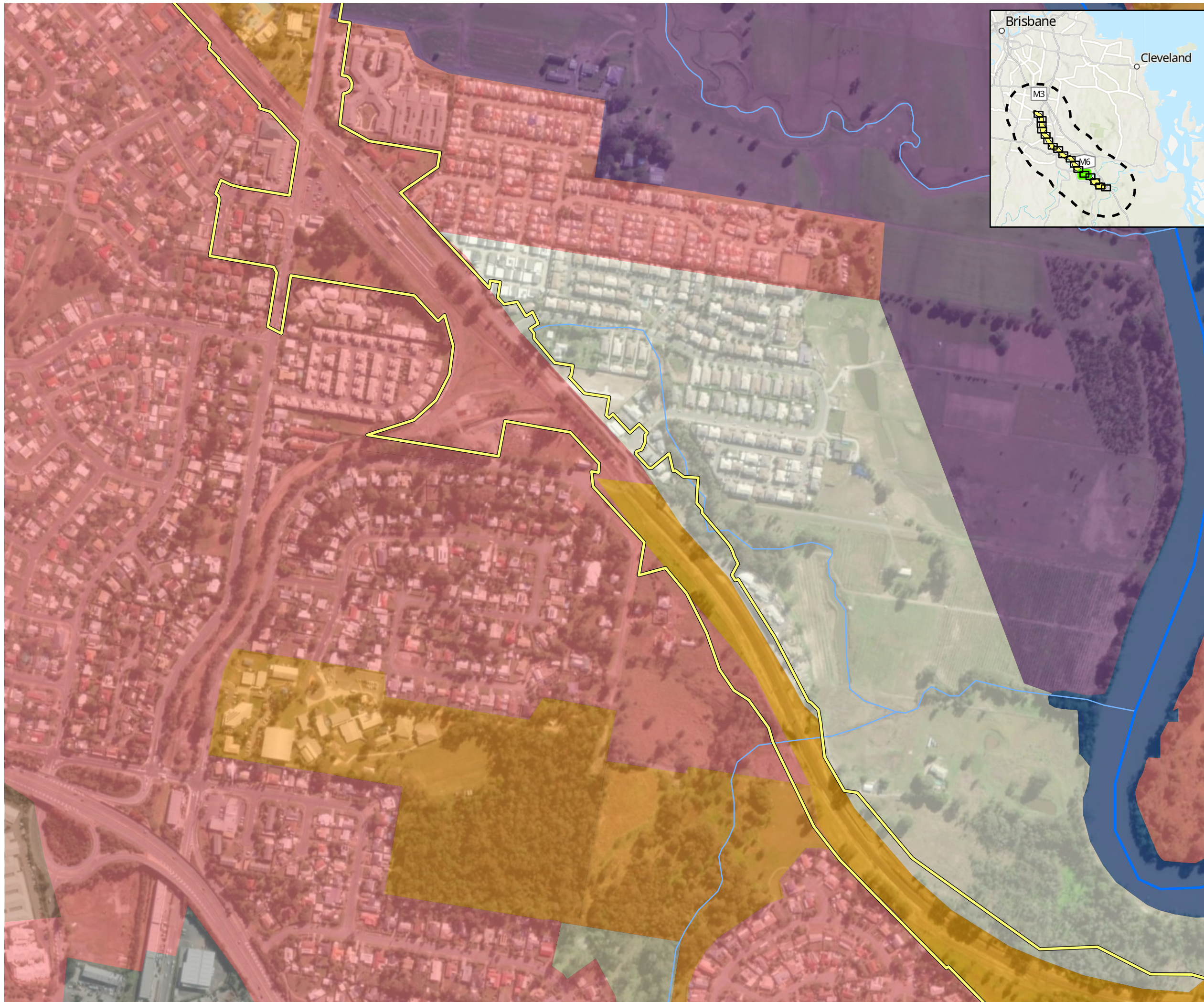
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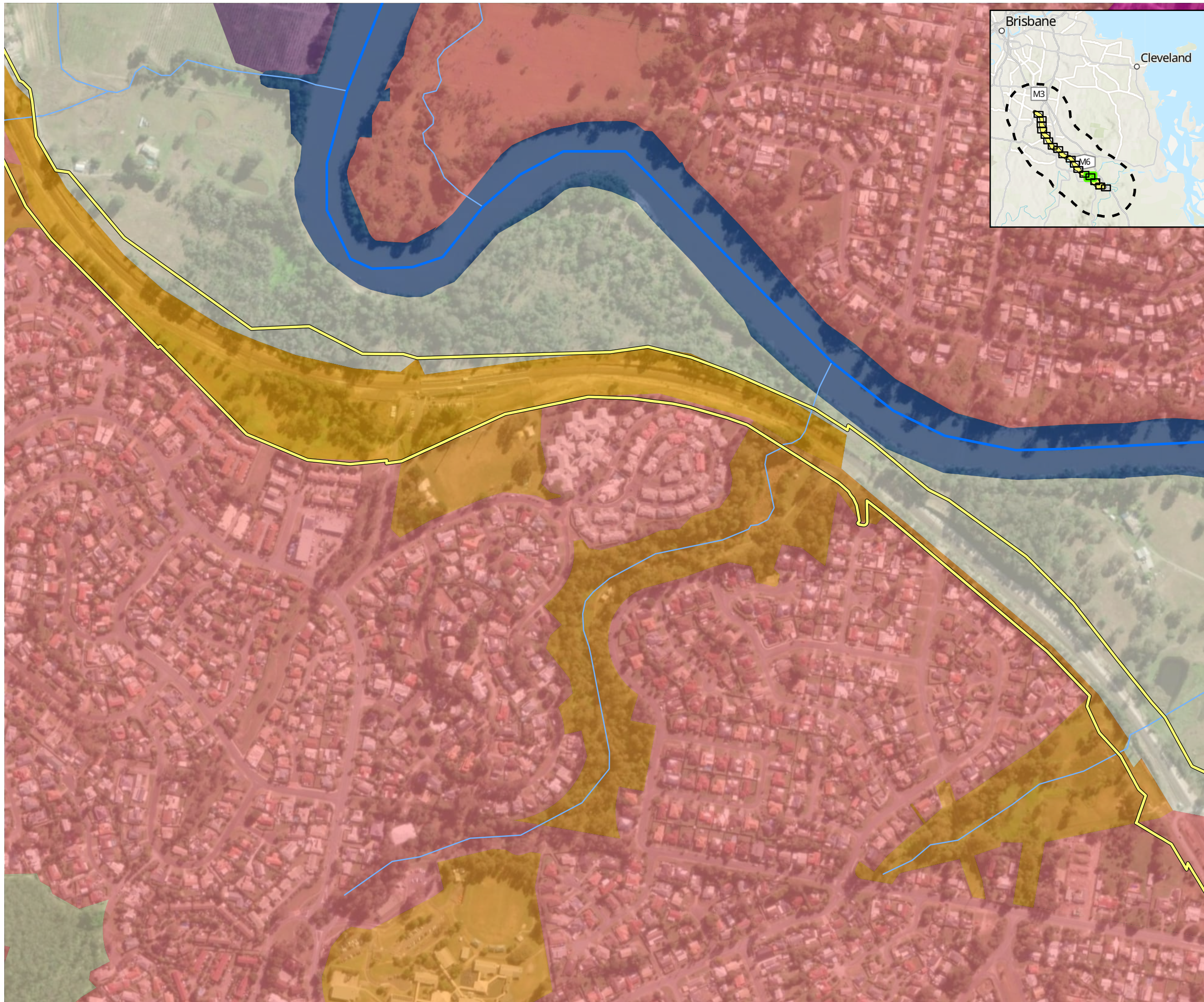


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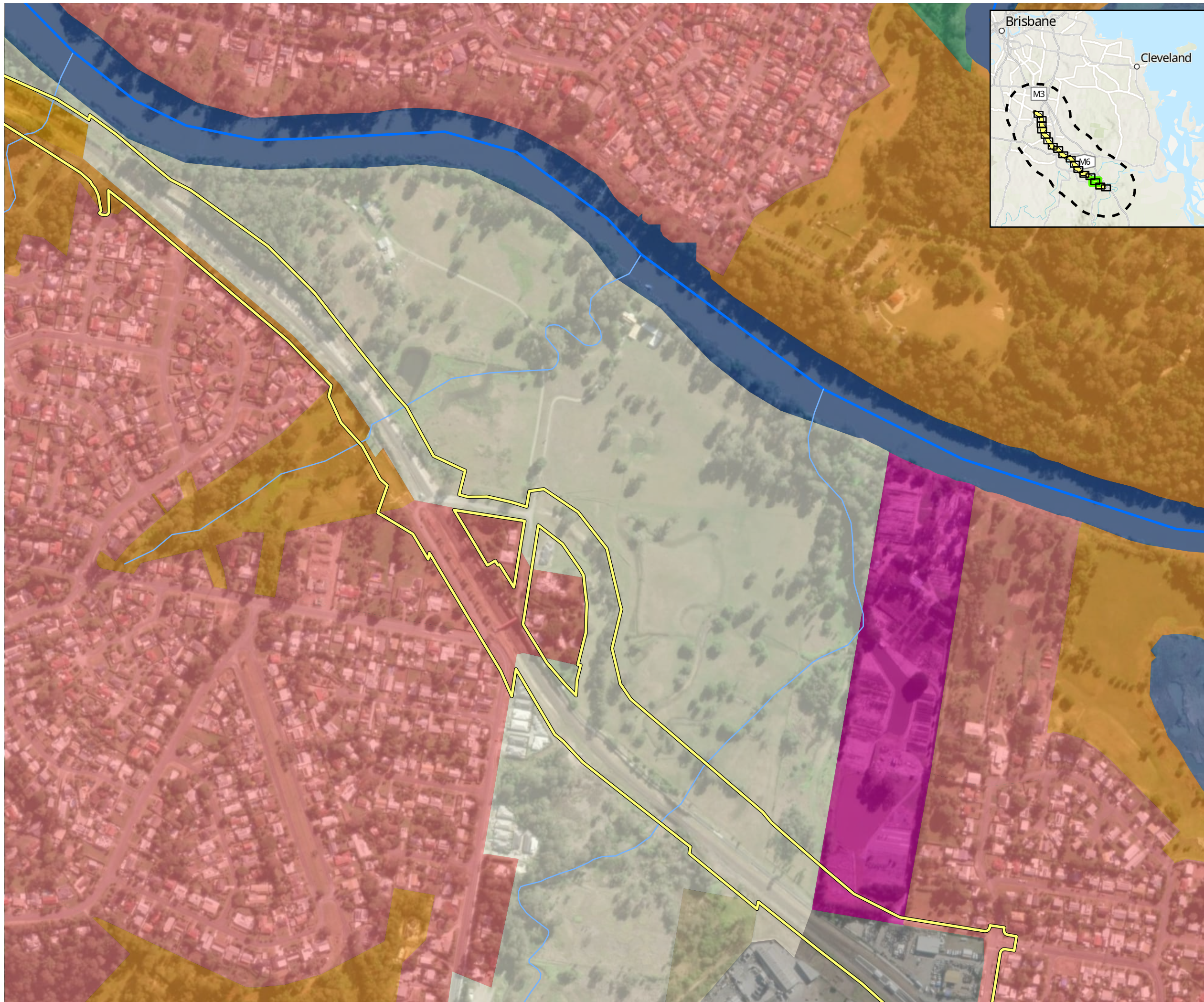
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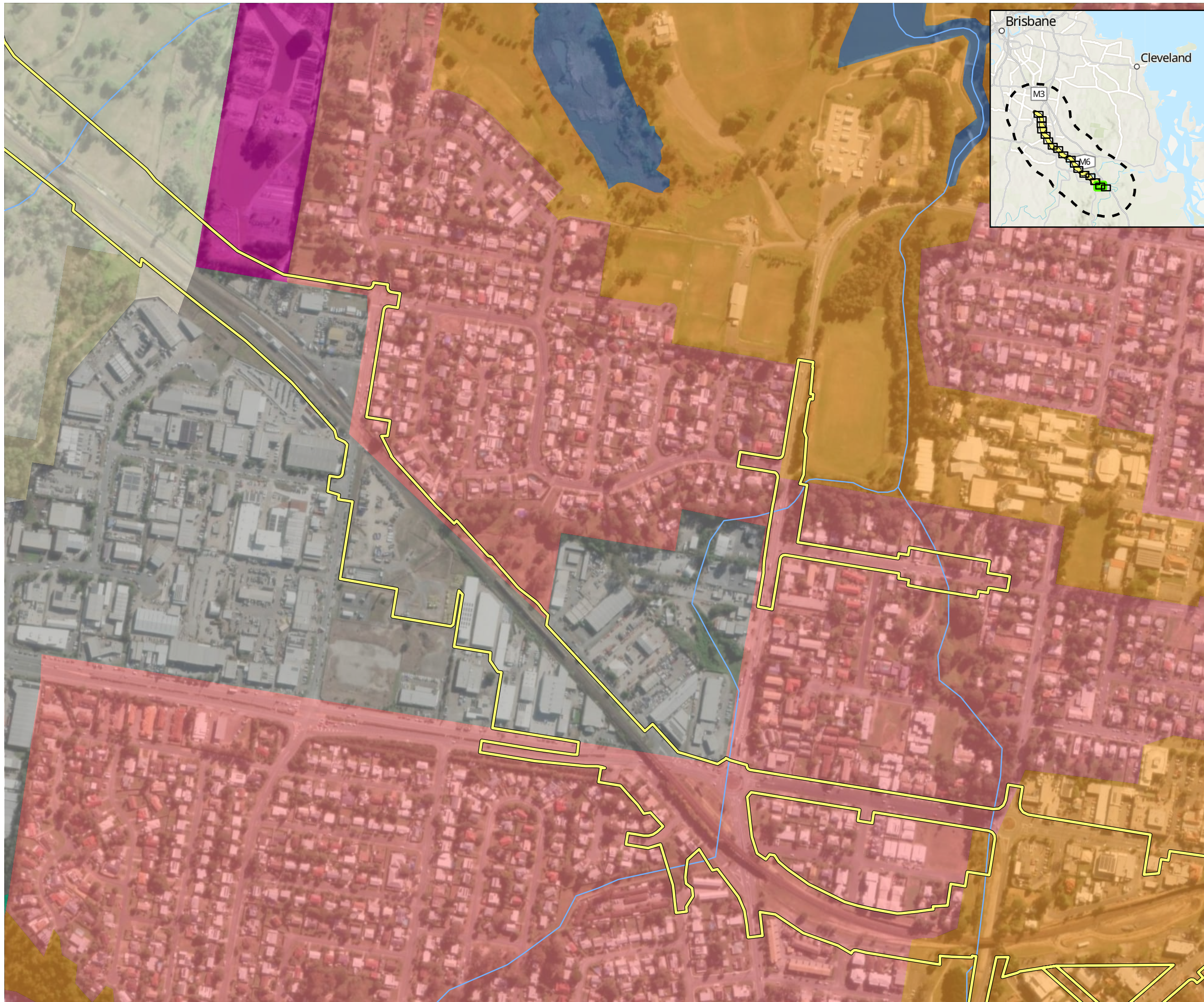
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Figure 5 Landuse mapping

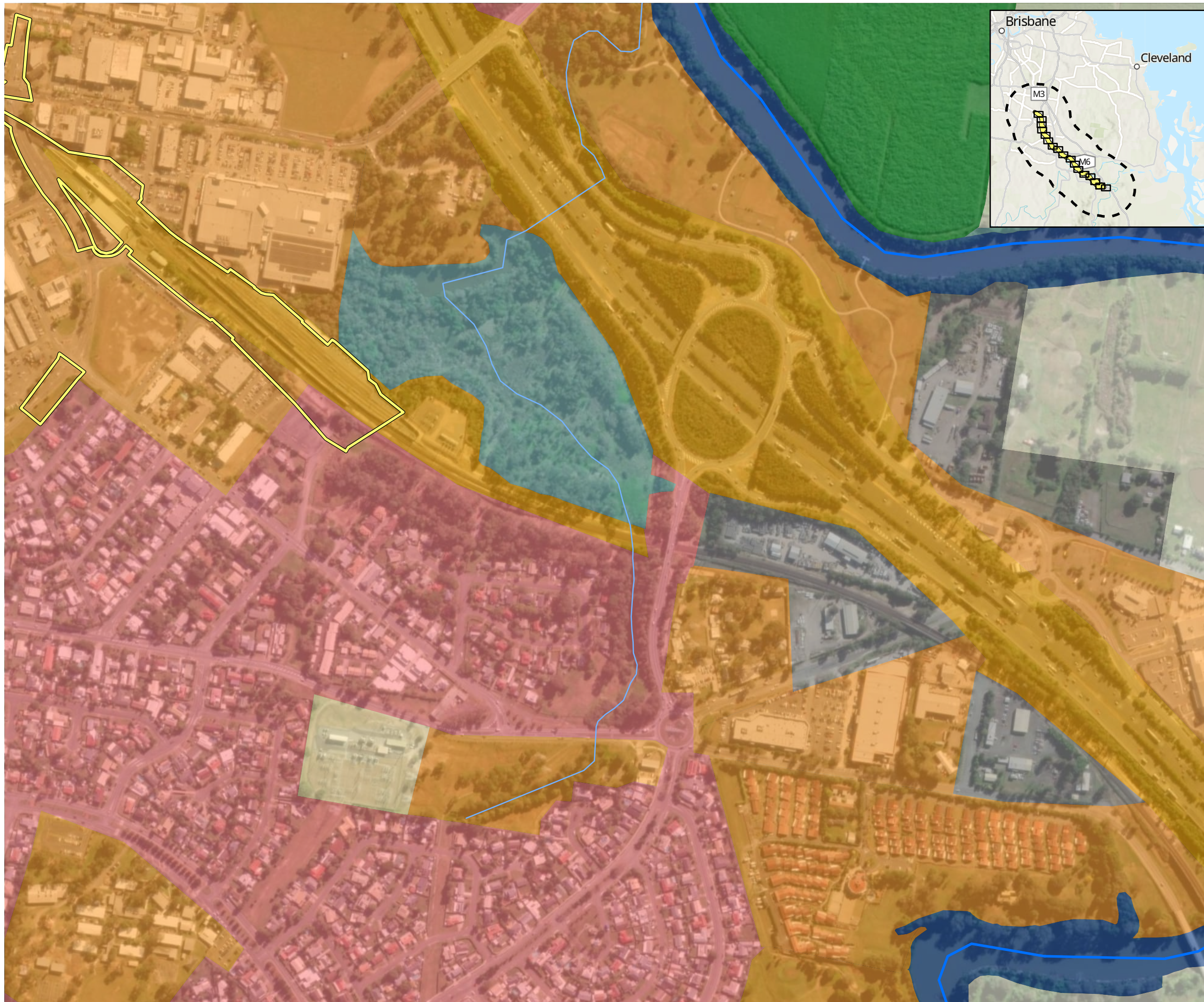


AECOM



- Study area
 - Impact area
 - Watercourse (major)
 - Watercourse (minor)
- Landuse mapping - Secondary**
- | | |
|-------------------------------------|-------------------------------------|
| Nature conservation | Irrigated seasonal horticulture |
| Managed resource protection | Irrigated land in transition |
| Other minimal use | Intensive horticulture |
| Grazing native vegetation | Intensive animal production |
| Production native forests | Manufacturing and industrial |
| Plantation forests | Residential and farm infrastructure |
| Grazing modified pastures | Services |
| Cropping | Utilities |
| Perennial horticulture | Transport and communication |
| Seasonal horticulture | Mining |
| Land in transition | Waste treatment and disposal |
| Grazing irrigated modified pastures | Reservoir/dam |
| Irrigated cropping | River |
| Irrigated perennial horticulture | Channel/aqueduct |
| | Marsh/wetland |
| | Estuary/coastal waters |

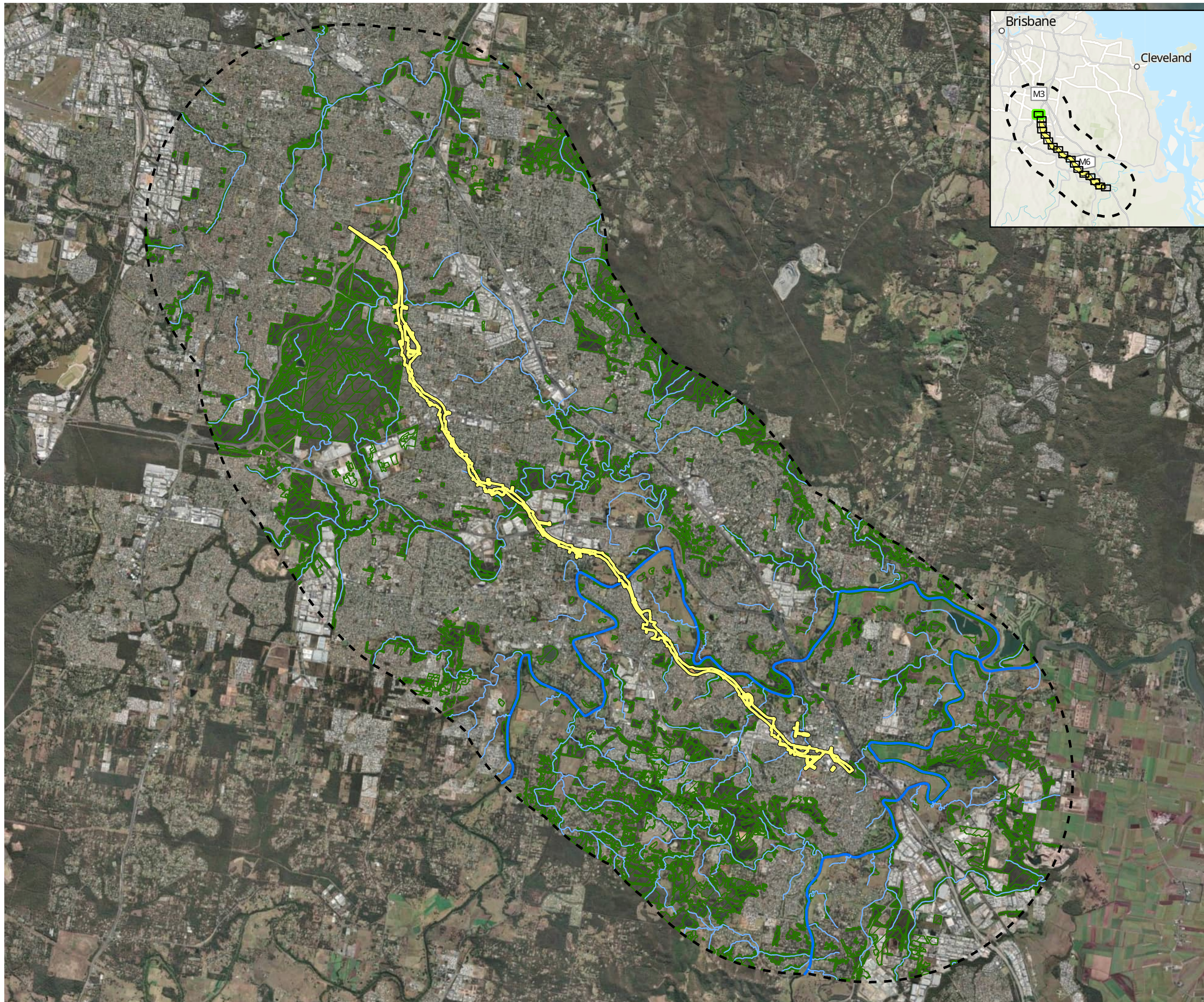
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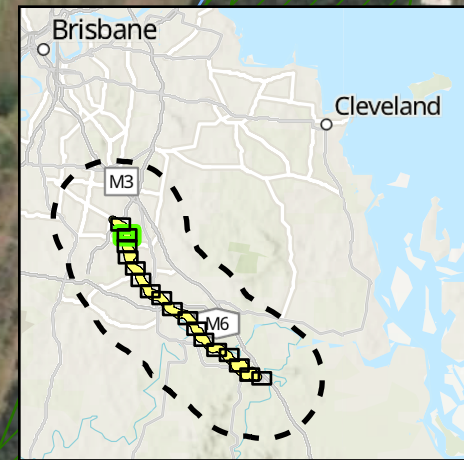
Figure 5 Landuse mapping

Figure 6 Desktop vegetation communities



- Study area
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12.9-10.7a

12.3.11

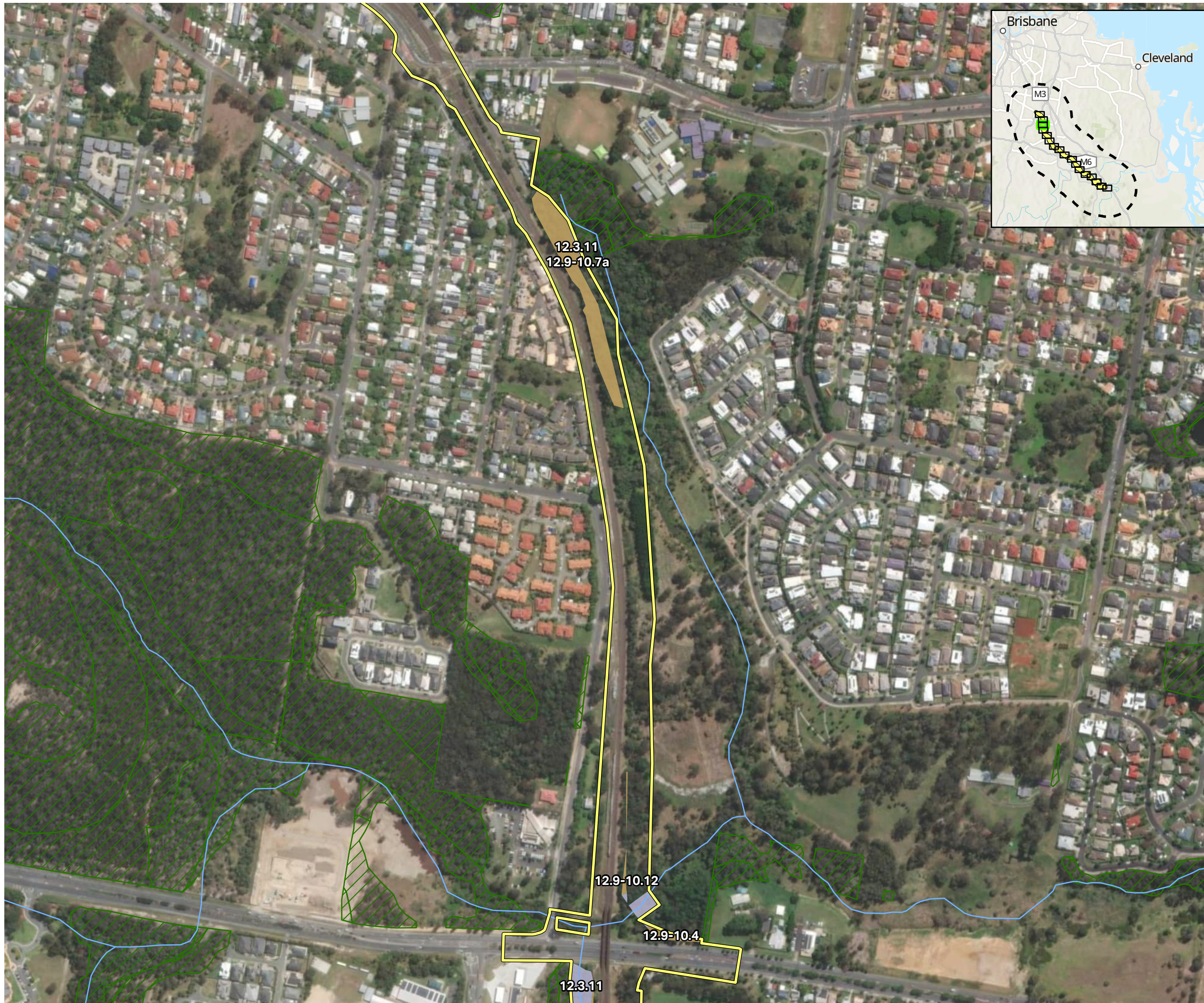
Figure 6 Desktop vegetation communities

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Project: Logan and Gold Coast Faster Rail
Report: Preliminary Documentation - Supplementary MNES Report
Client: Department of Transport and Main Roads
Project Number: 60681907
Date: 12/02/2025

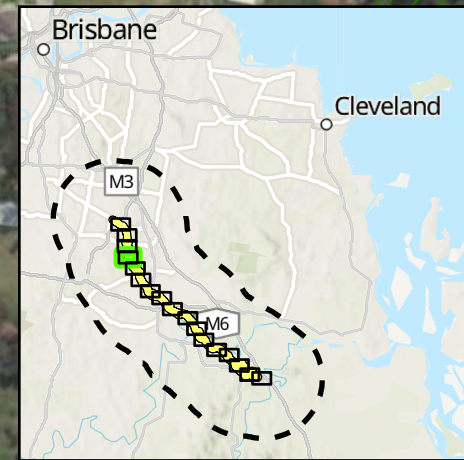
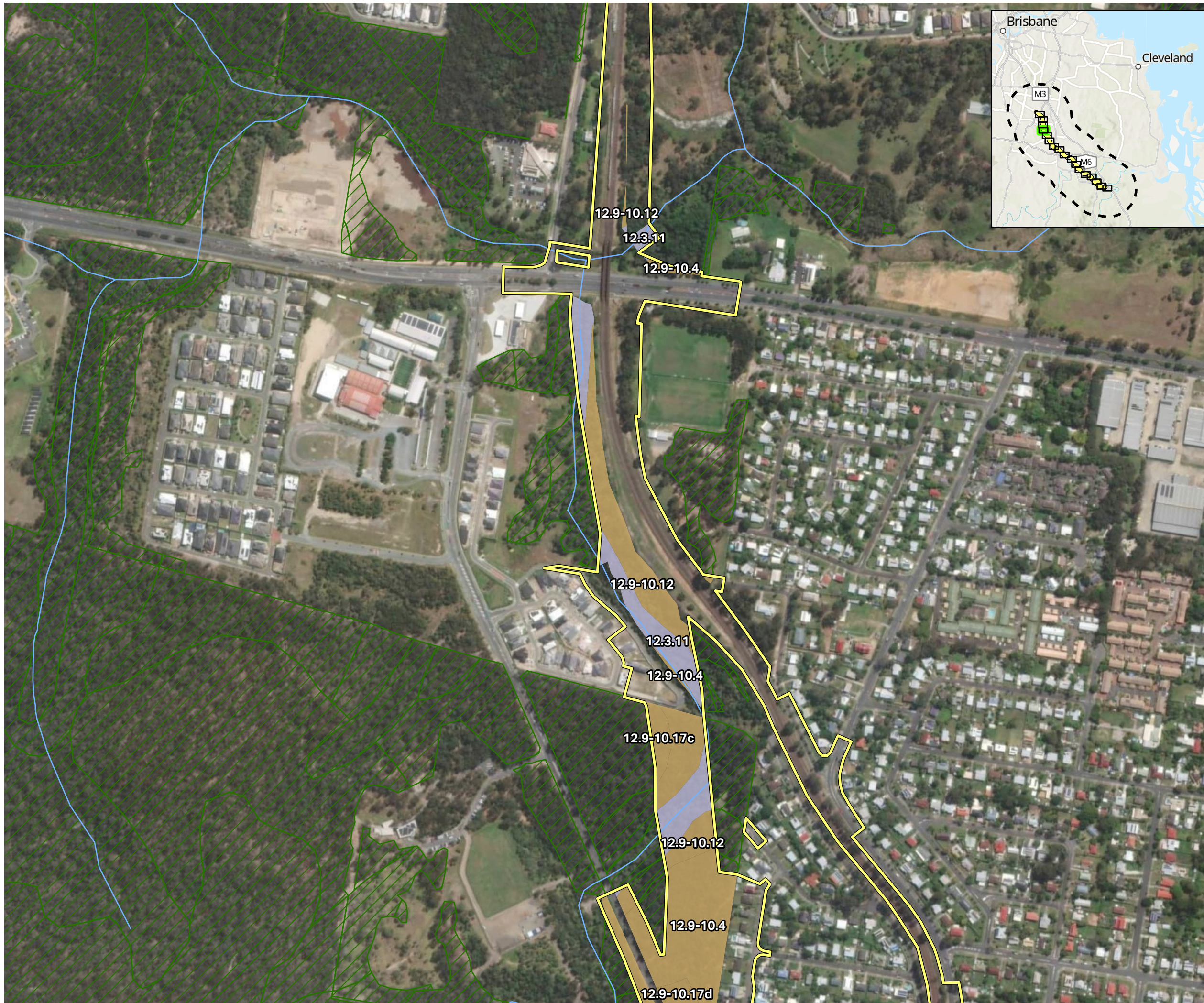
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Figure 6 Desktop vegetation communities



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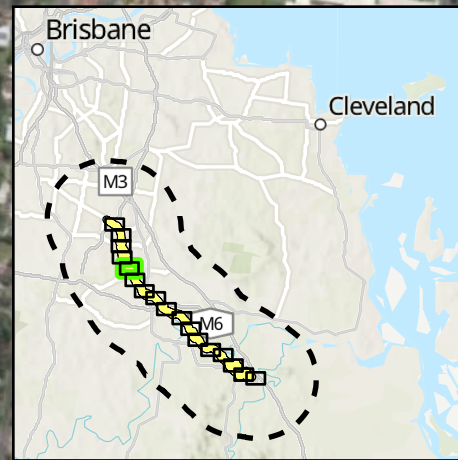
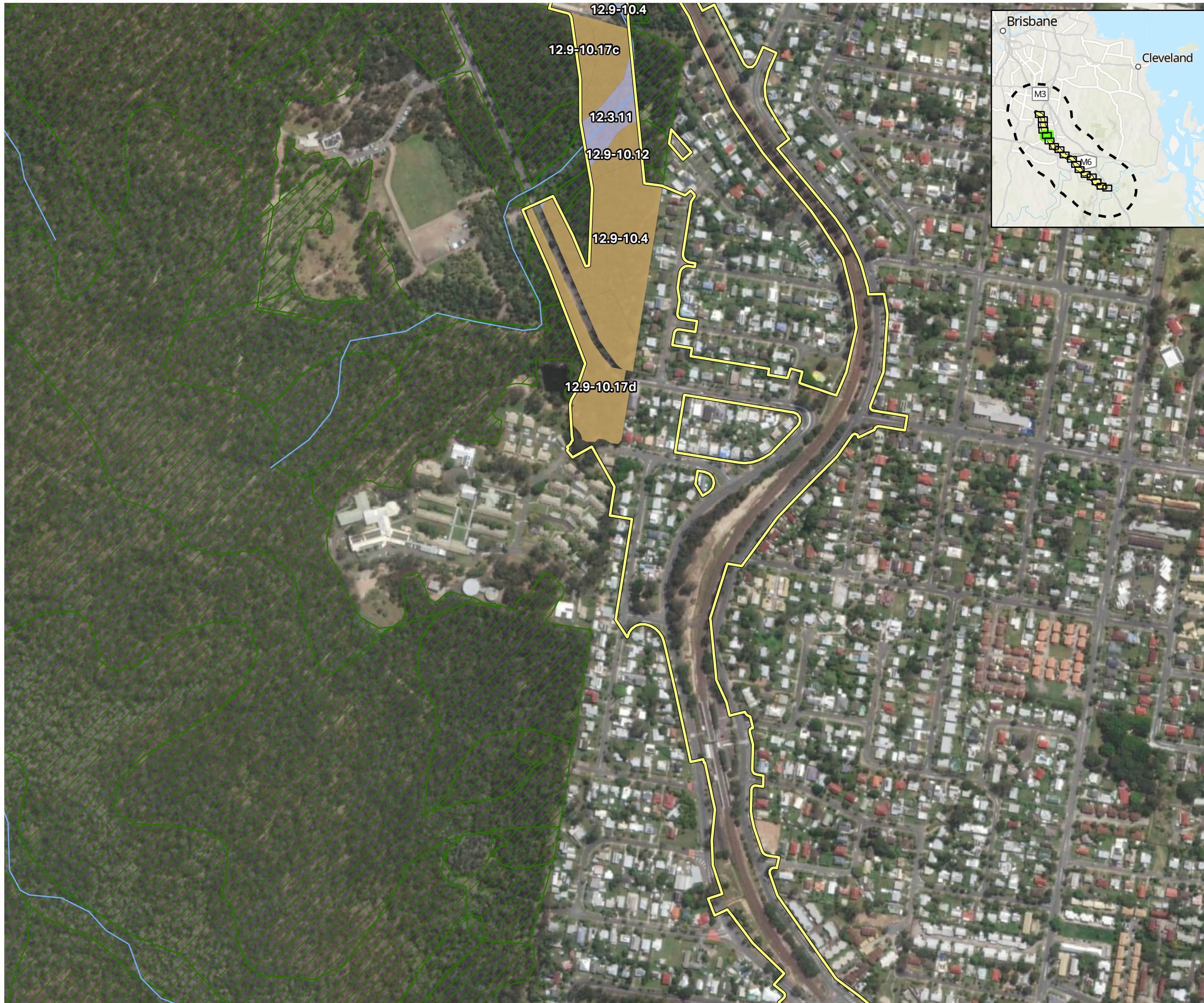
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Figure 6 Desktop vegetation communities

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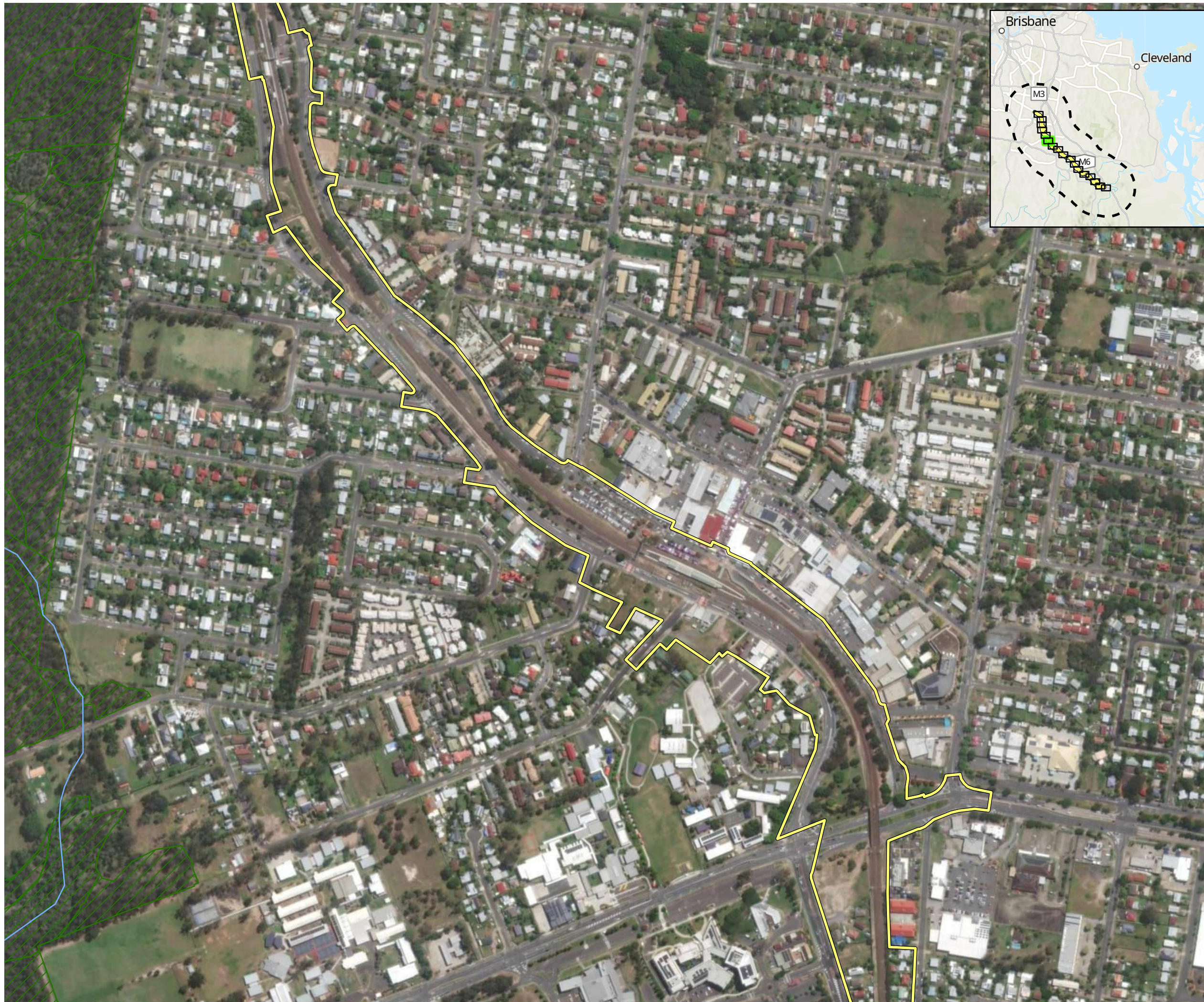


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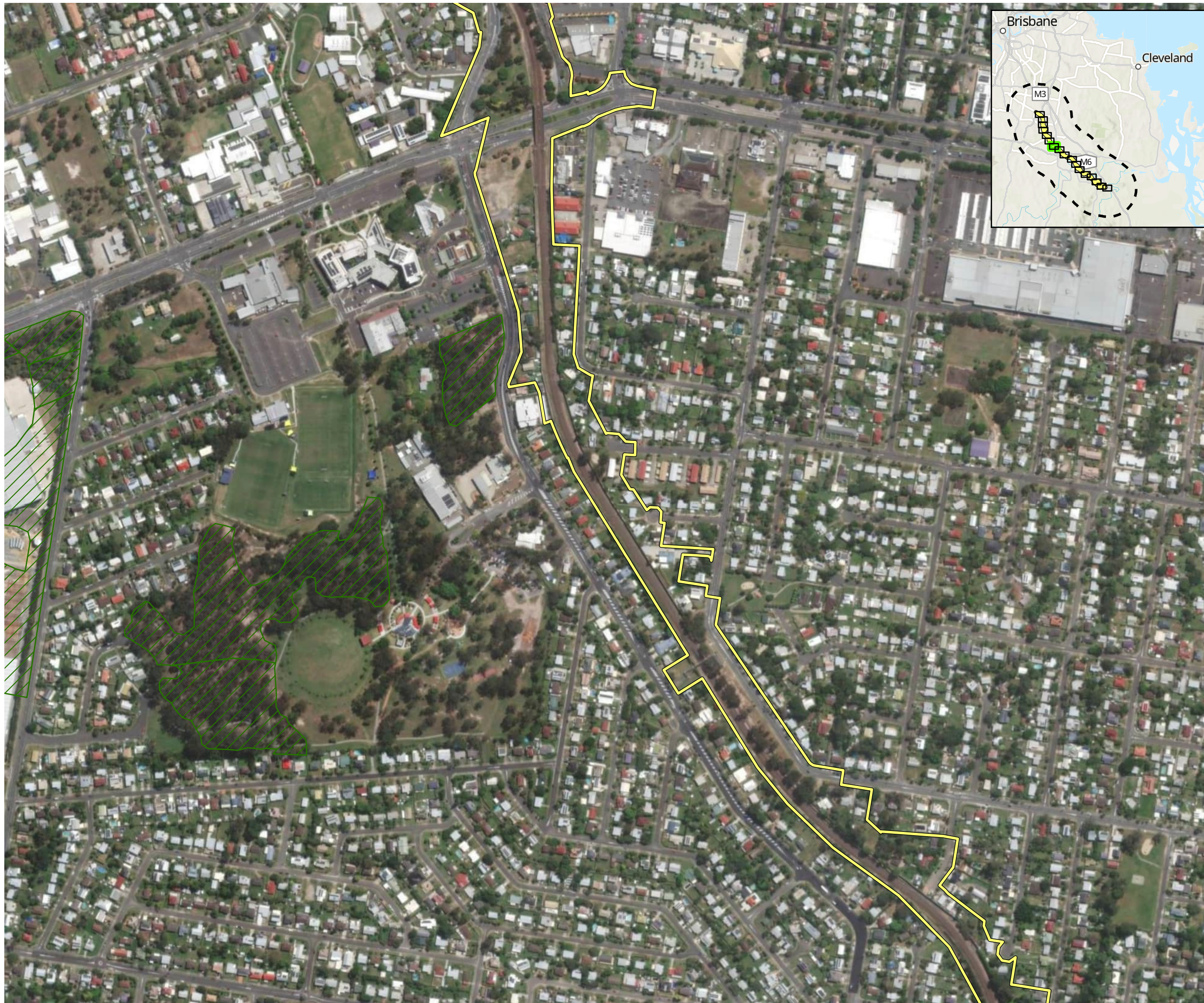
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Figure 6 Desktop vegetation communities



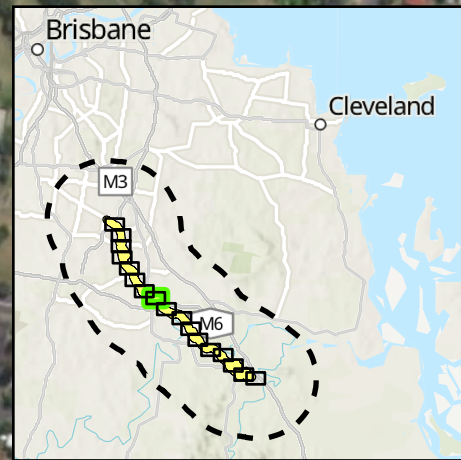
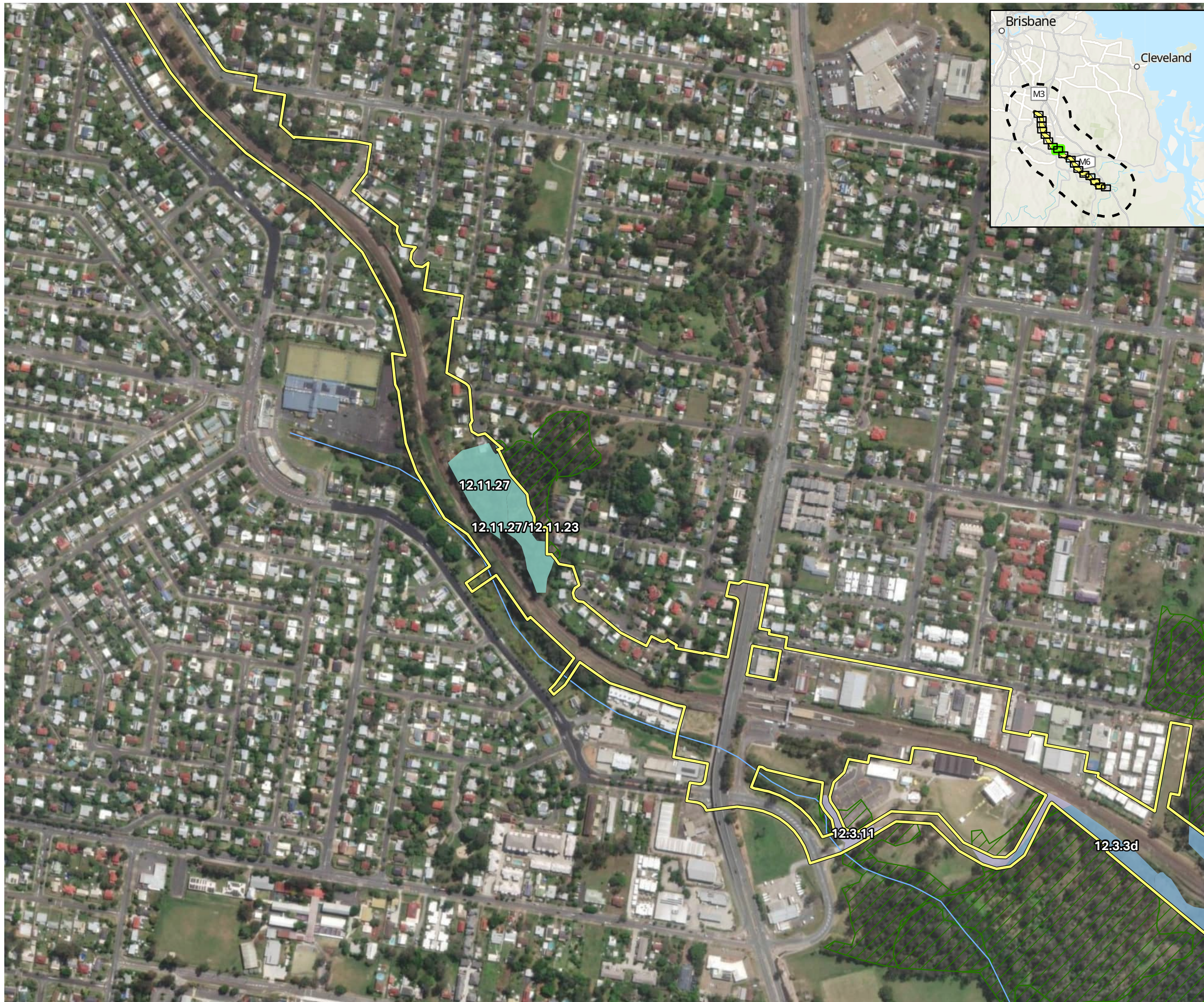
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Figure 6 Desktop vegetation communities

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Project: Logan and Gold Coast Faster Rail
Report: Preliminary Documentation - Supplementary MNES Report
Client: Department of Transport and Main Roads
Project Number: 60681907
Date: 12/02/2025

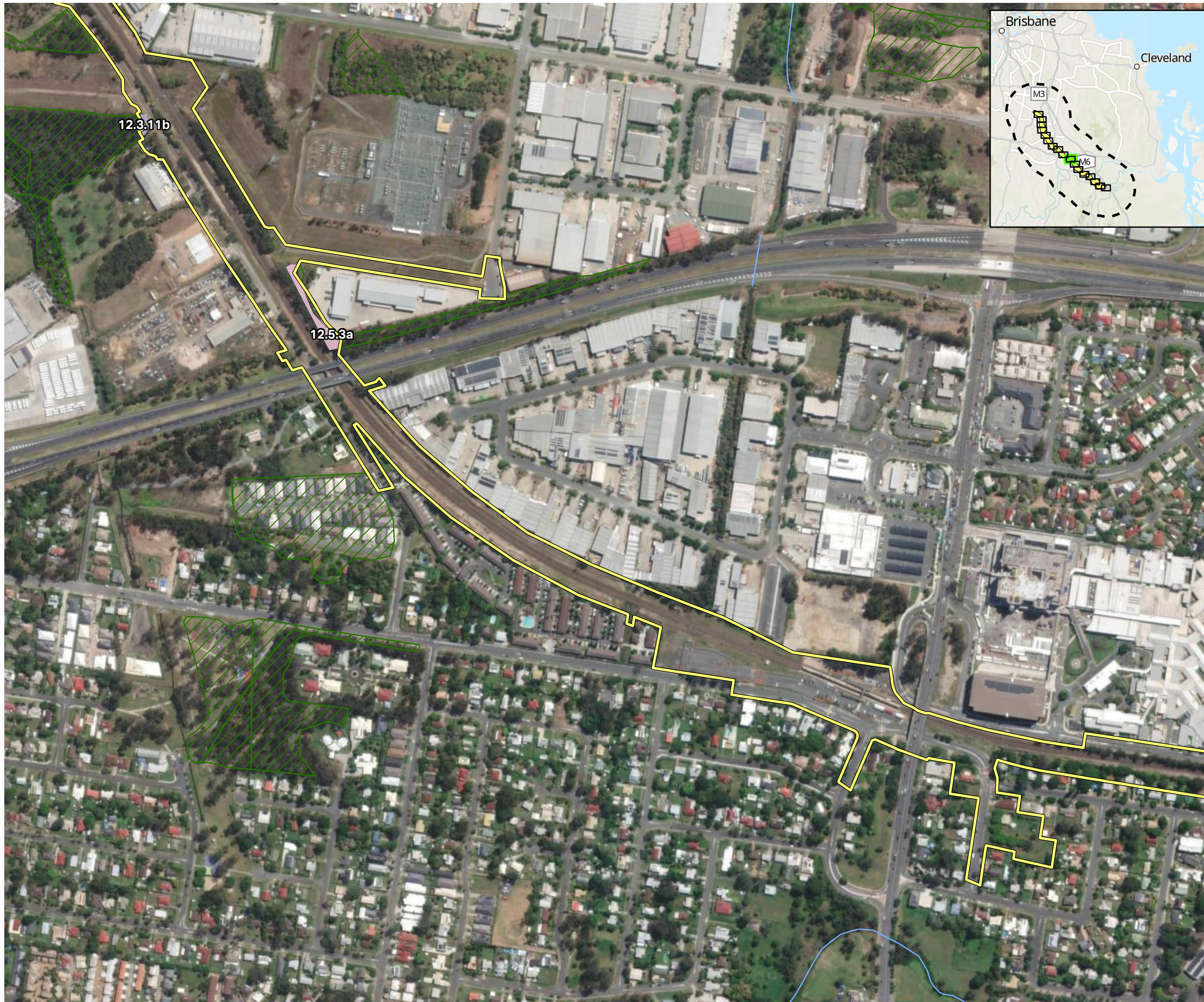
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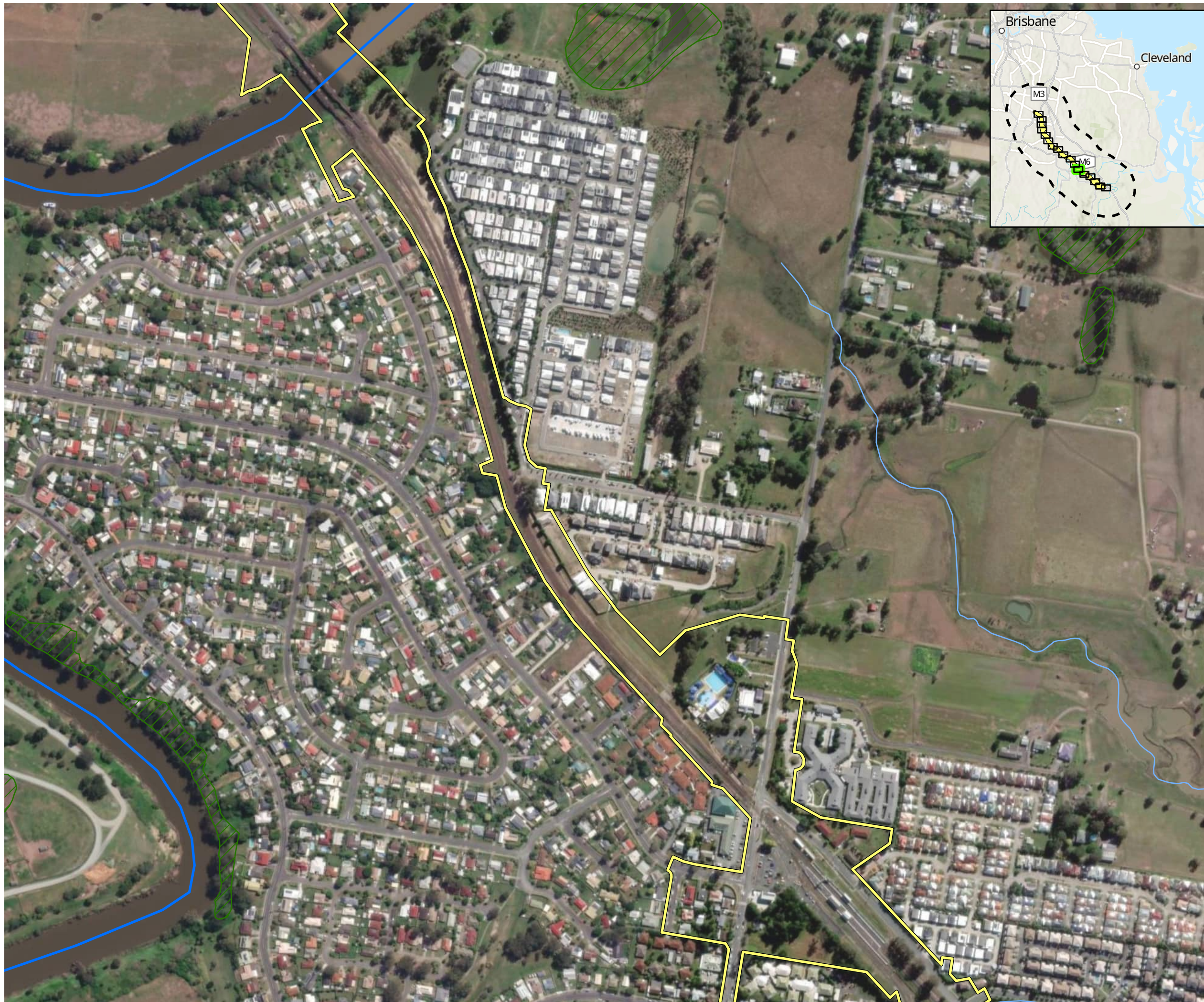
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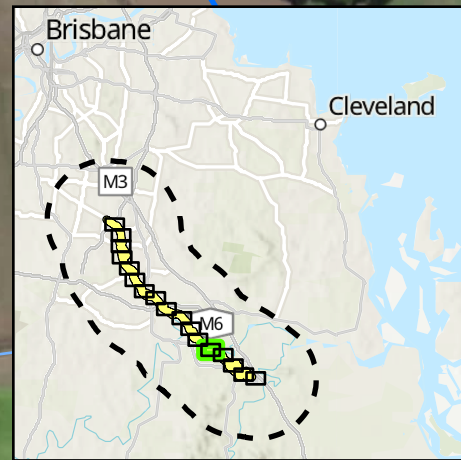
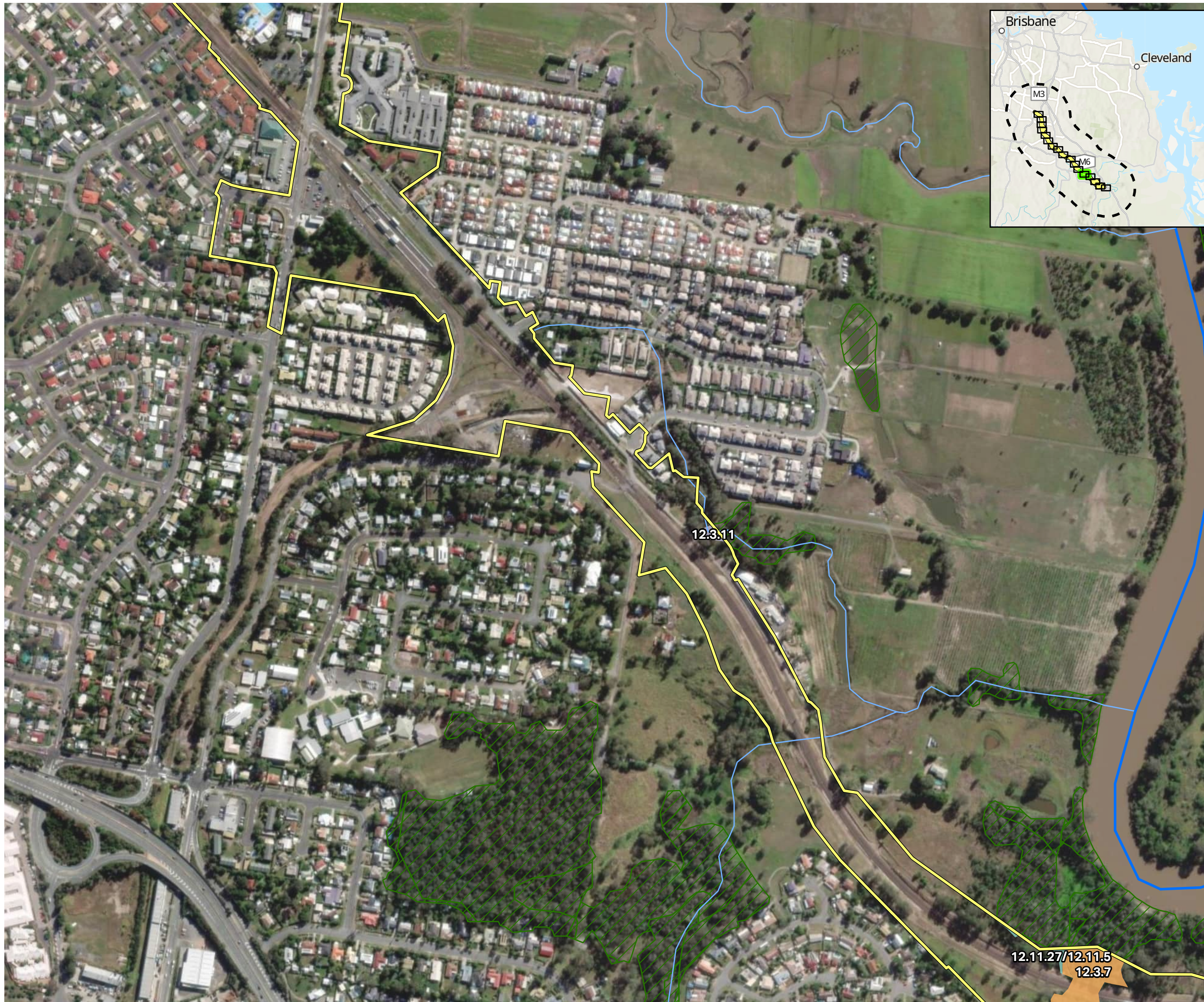
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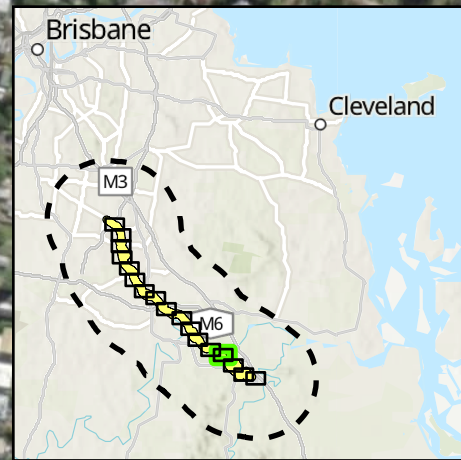
Figure 6 Desktop vegetation communities

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Project: Logan and Gold Coast Faster Rail
Report: Preliminary Documentation - Supplementary MNES Report
Client: Department of Transport and Main Roads
Project Number: 60681907
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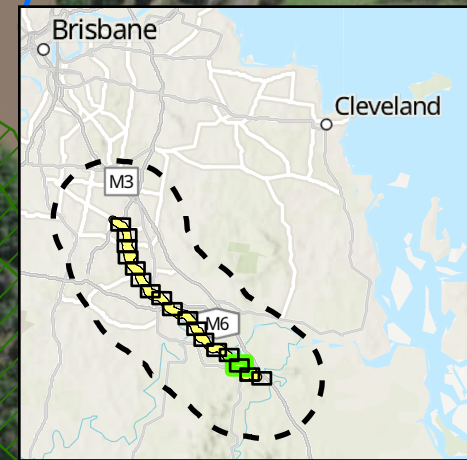
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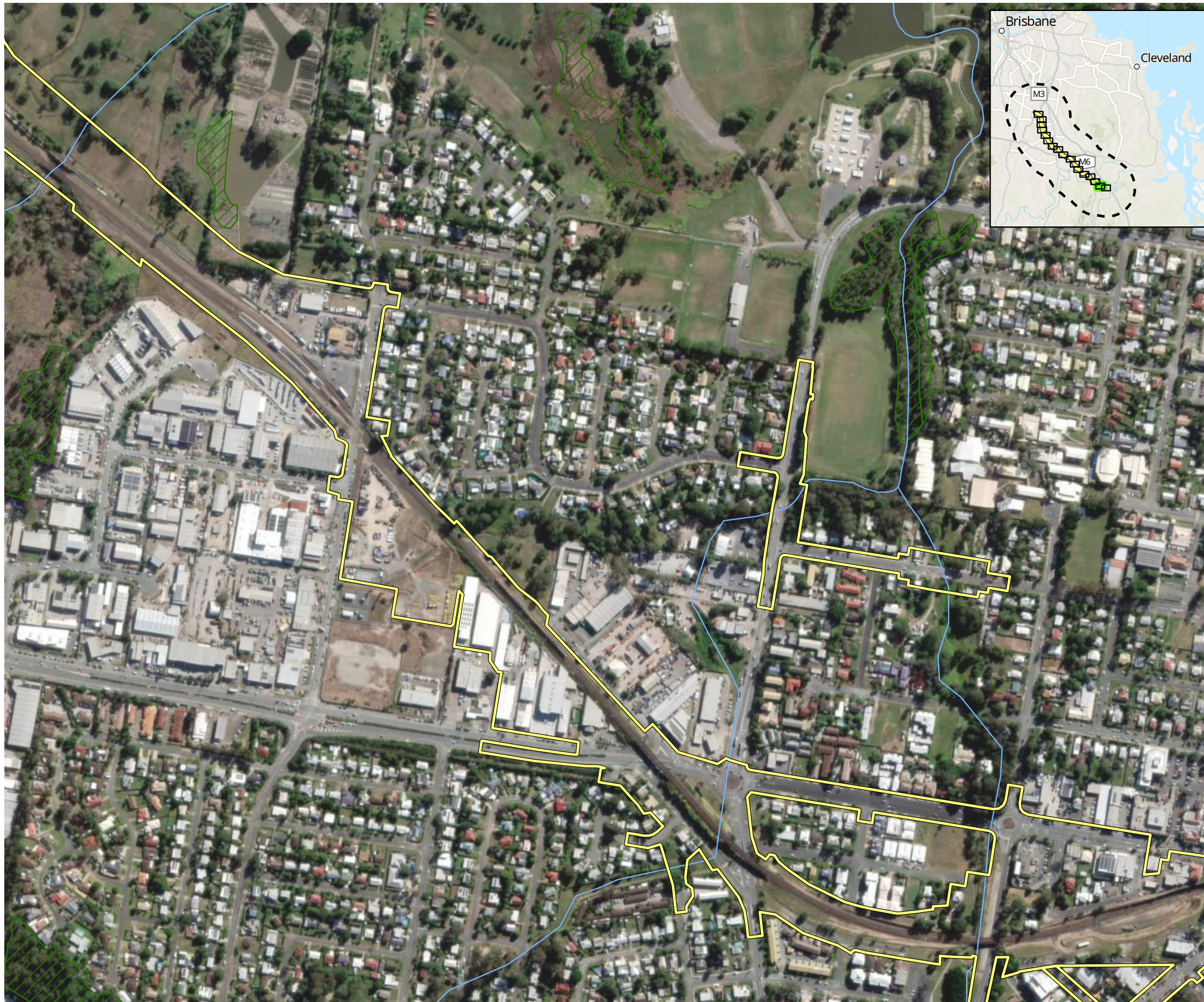
Figure 6 Desktop vegetation communities

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- Mixed Eucalypt woodland on metamorphics +/- interbedded volcanics (12.11.27, 12.11.27/12.11.23, 12.11.27/12.11.5, 12.11.5)
- Eucalypt open forest on alluvial plains usually near coast (12.3.11)
- Eucalypt woodland on Quaternary alluvium (12.3.3)
- Eucalypt, Casuarina and Melaleuca fringing woodland (12.3.7)
- Swamps with Cyperus spp., Schoenoplectus spp. and Eleocharis spp. (12.3.8)
- Eucalypt woodland on remnant Tertiary surfaces (12.5.3)
- Mixed Eucalypt woodland to open forest on sedimentary rocks (12.9-10.7, 12.9-10.4, 12.9-10.19, 12.9-10.17, 12.9-10.12)
- Remnant or high value regrowth outside the impact area

Figure 6 Desktop vegetation communities

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Project: Logan and Gold Coast Faster Rail
Report: Preliminary Documentation - Supplementary MNES Report
Client: Department of Transport and Main Roads
Project Number: 60681907
Date: 12/02/2025

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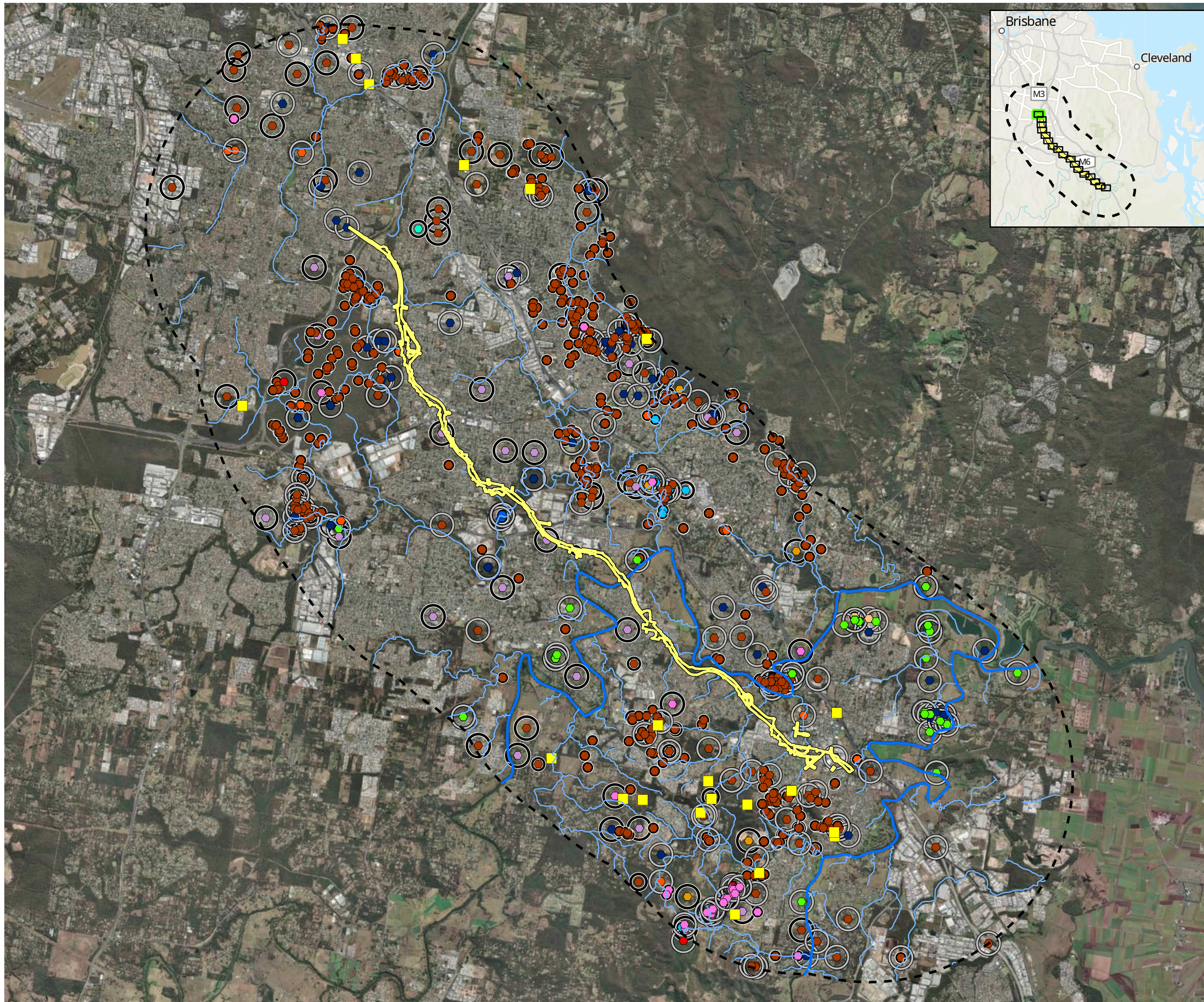
Figure 6 Desktop vegetation communities



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Figure 6 Desktop vegetation communities

Figure 7 Post-2014 MNES Threatened and Migratory species records



- Study area
- Impact area
- Watercourse (major)
- Watercourse (minor)
- Koala Hospital Records (DETSI, 2024)

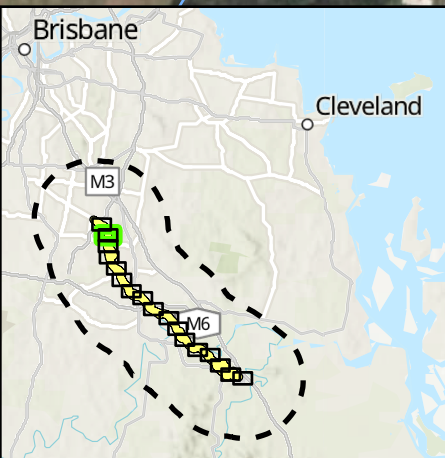
Species records (ALA, 2024)

- Regent honeyeater
- Latham's snipe
- Angle-stemmed myrtle
- White-throated needletail
- Swift parrot
- Macadamia nut
- Greater glider
- Koala
- Shiny-leaved Condoo
- Grey-headed flying fox
- Native guava
- Australian painted-snipe

Spatial uncertainty

- No spatial uncertainty specified
- <250 m spatial uncertainty
- 250 m-1 km spatial uncertainty
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Figure 7 Post 2014 MNES threatened species records



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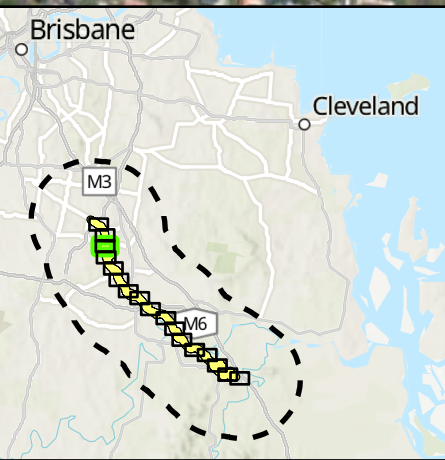
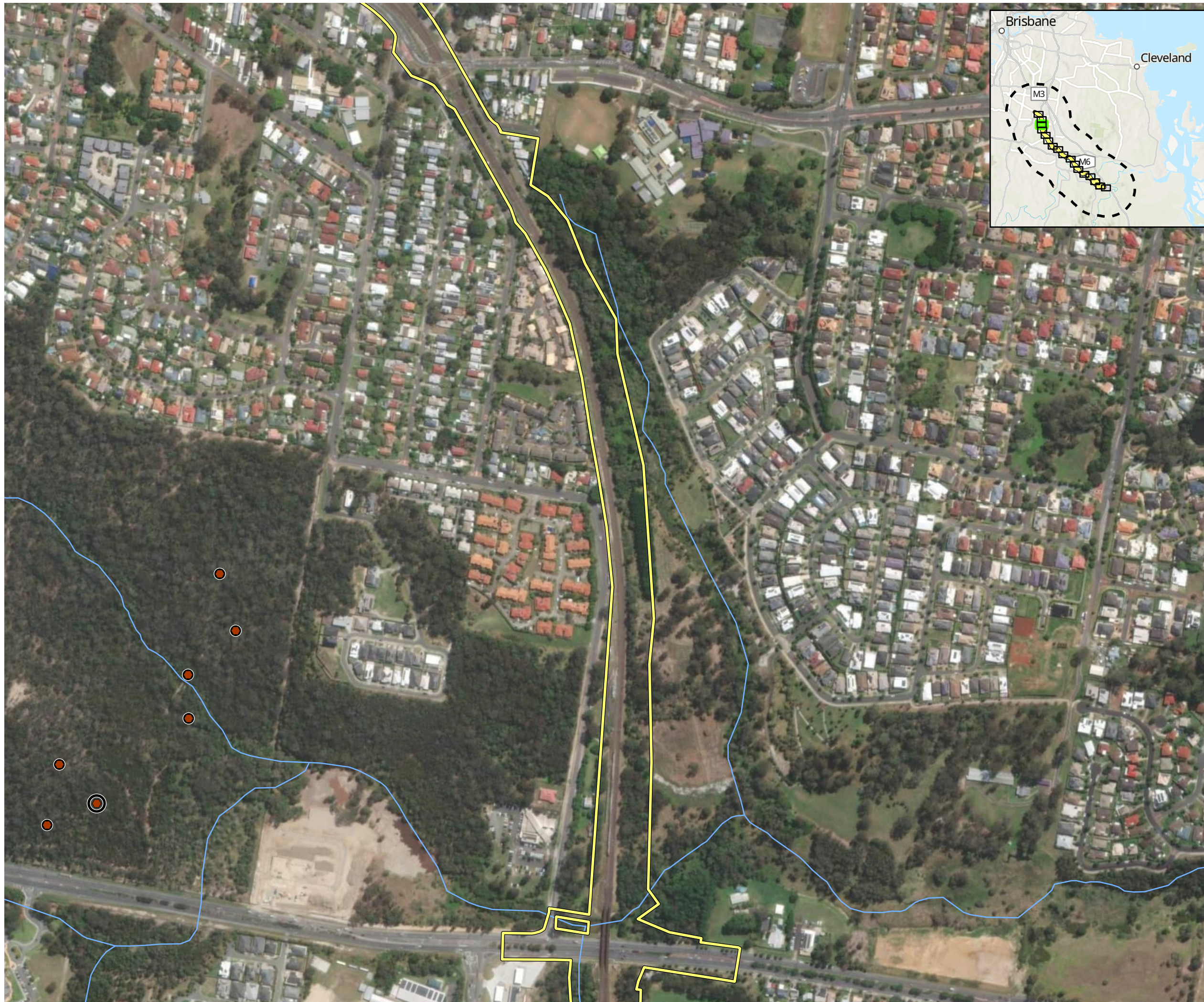
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Figure 7 Post 2014 MNES threatened species records

Page 2 of 18

Project: Logan and Gold Coast Faster Rail
Report: Preliminary Documentation - Supplementary MNES Report
Client: Department of Transport and Main Roads
Project Number: 60681907
Date: 17/02/2025

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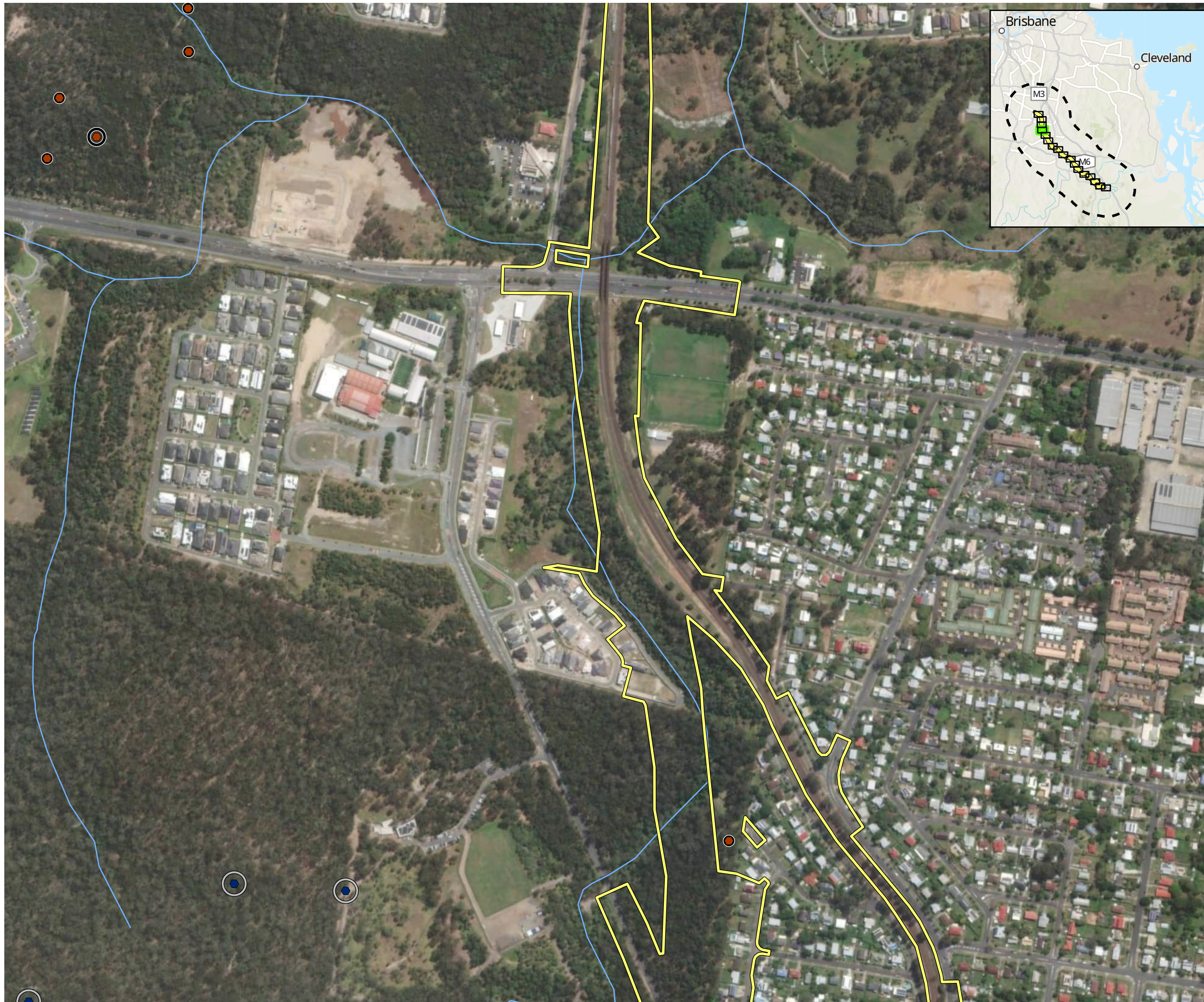
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Figure 7 Post 2014 MNES threatened species records

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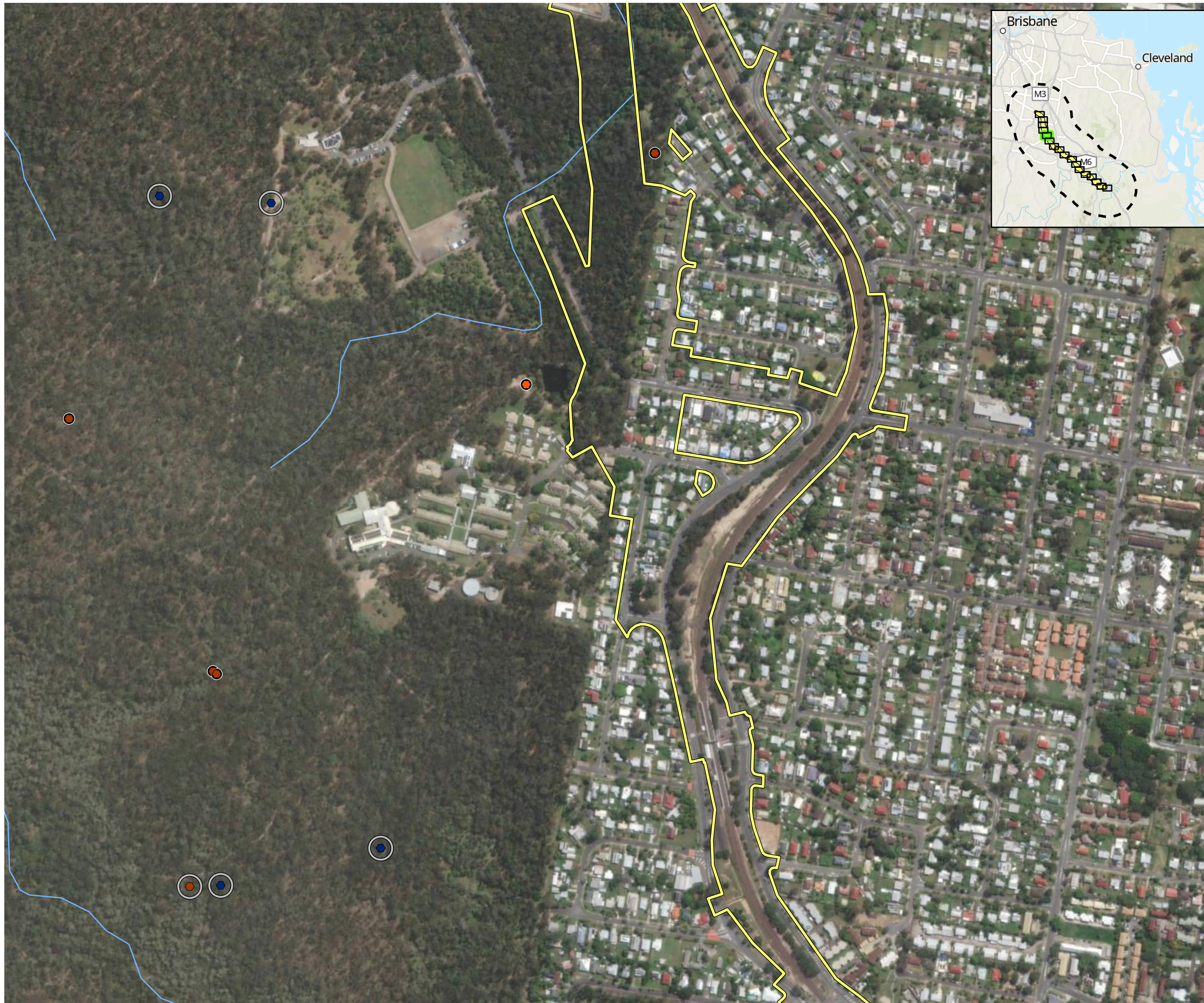
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Figure 7 Post 2014 MNES threatened species records



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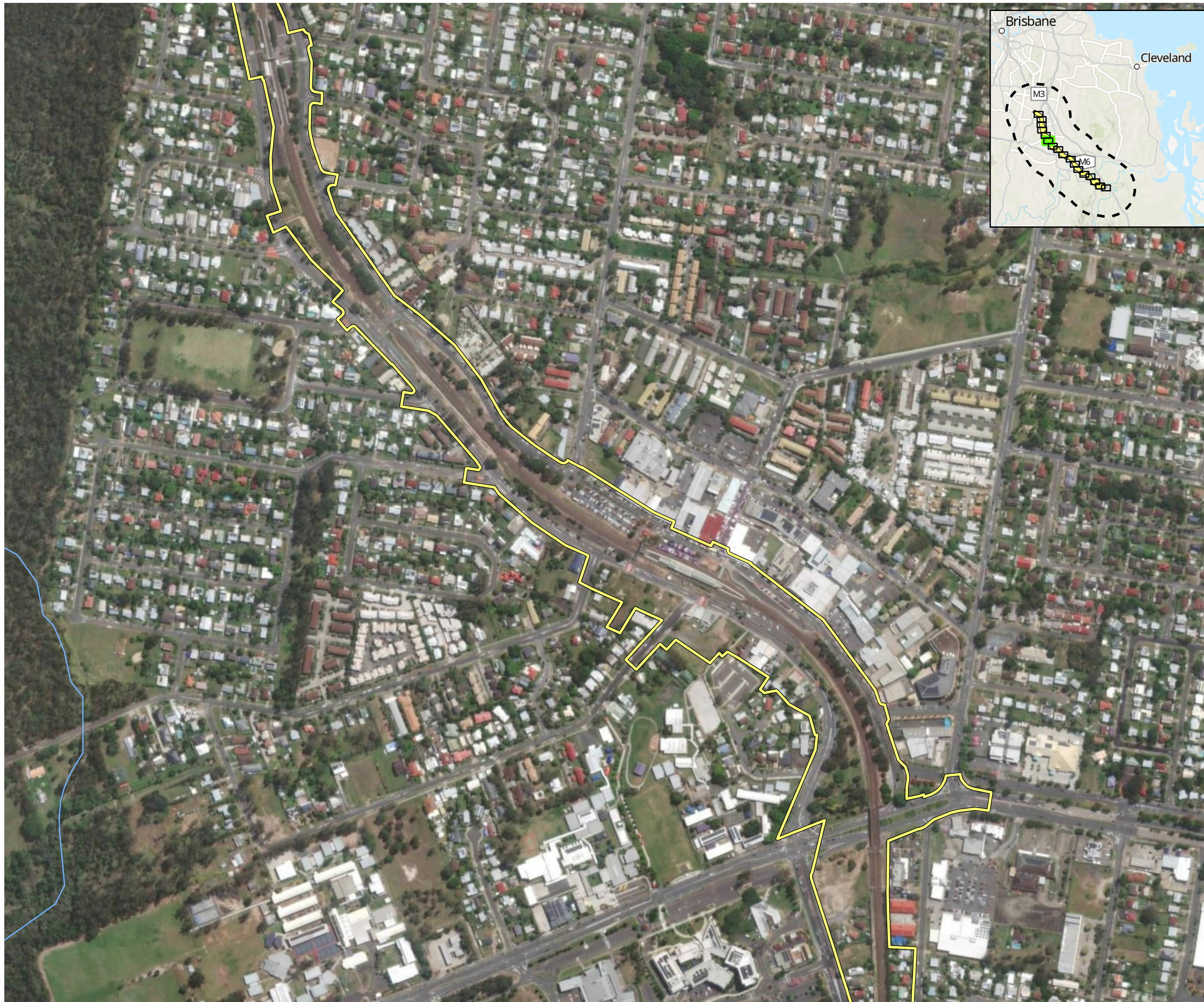
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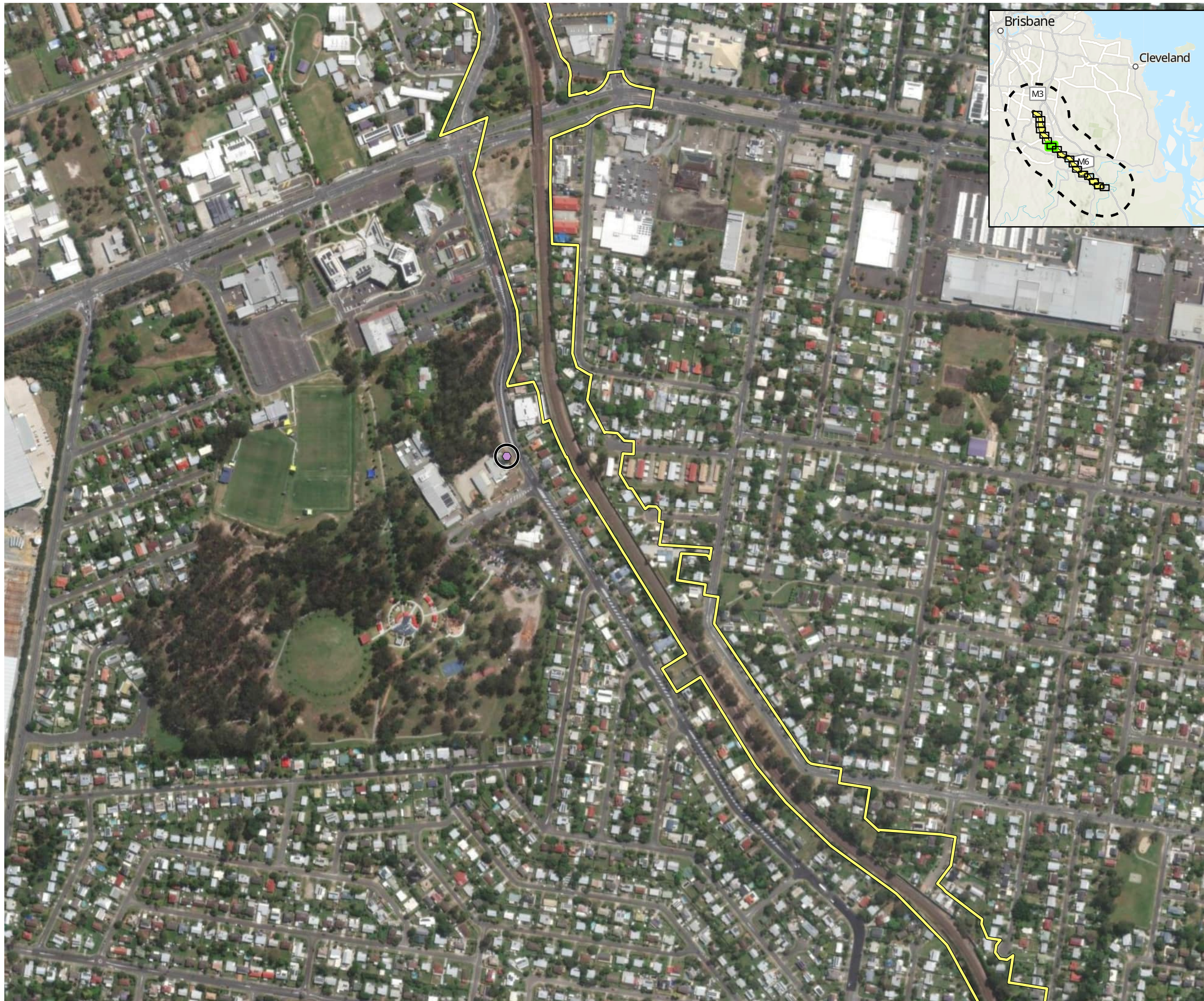
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Figure 7 Post 2014 MNES threatened species records



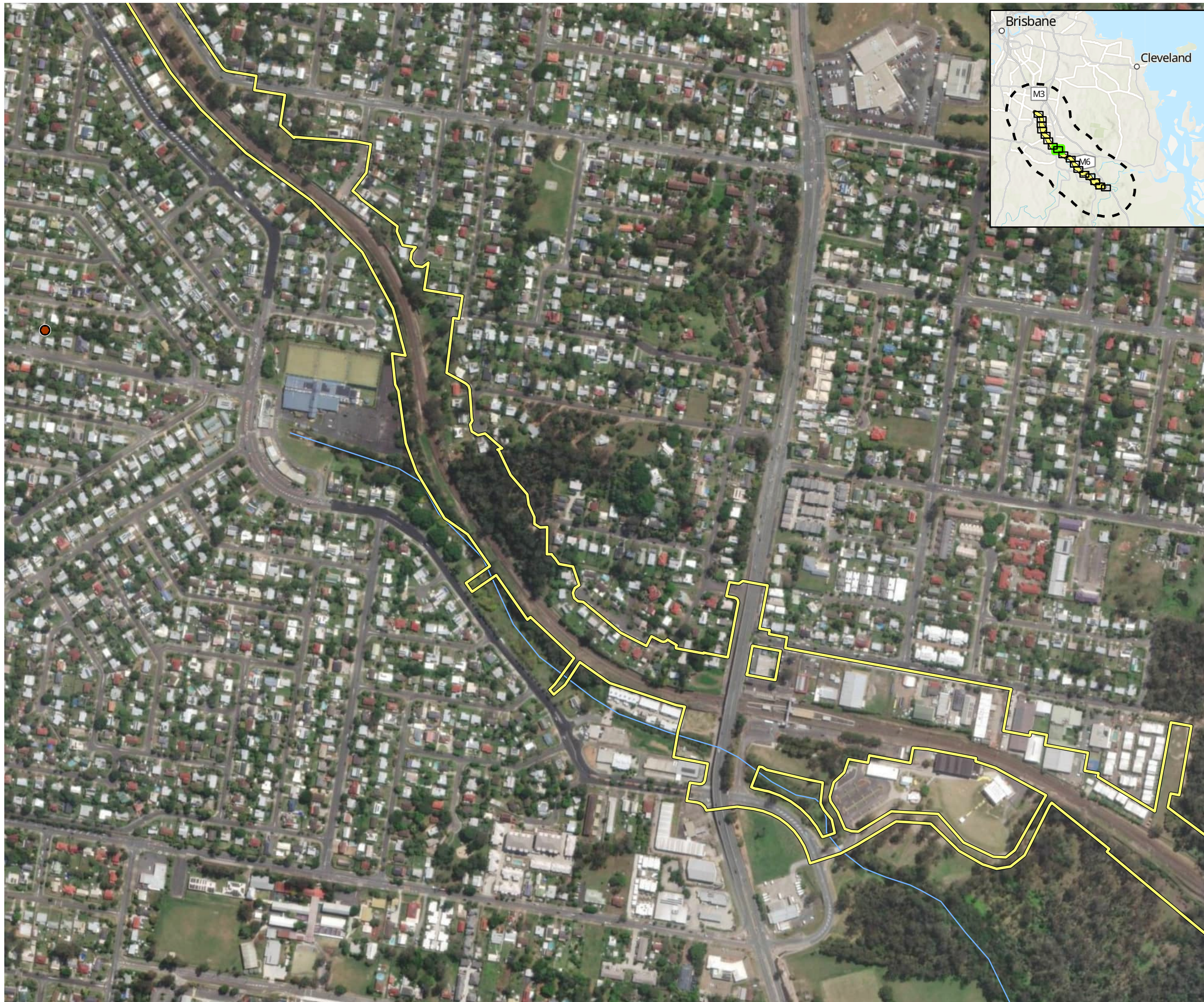
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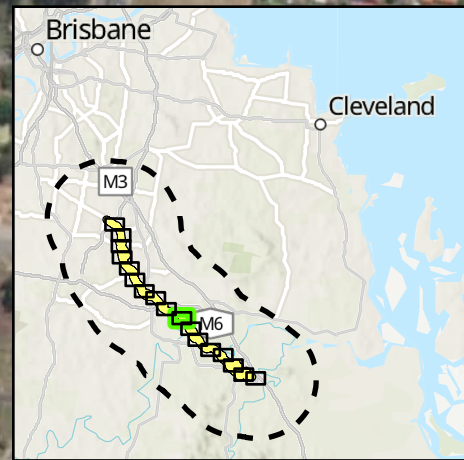
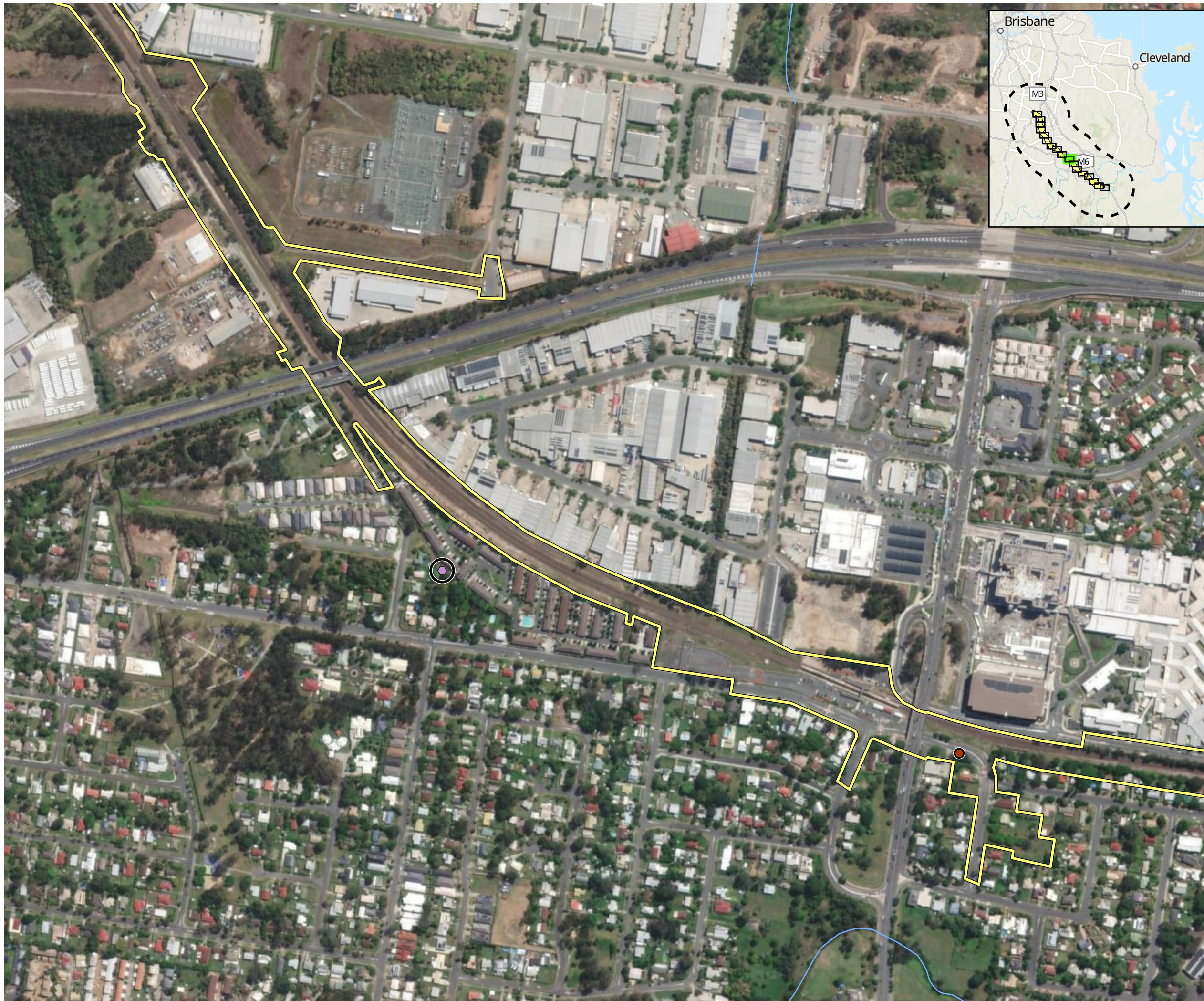
Figure 7 Post 2014 MNES threatened species records

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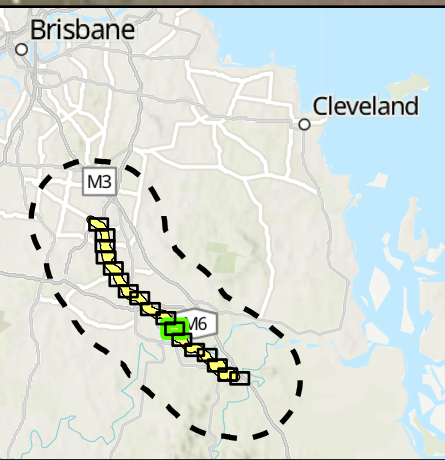
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Figure 7 Post 2014 MNES threatened species records

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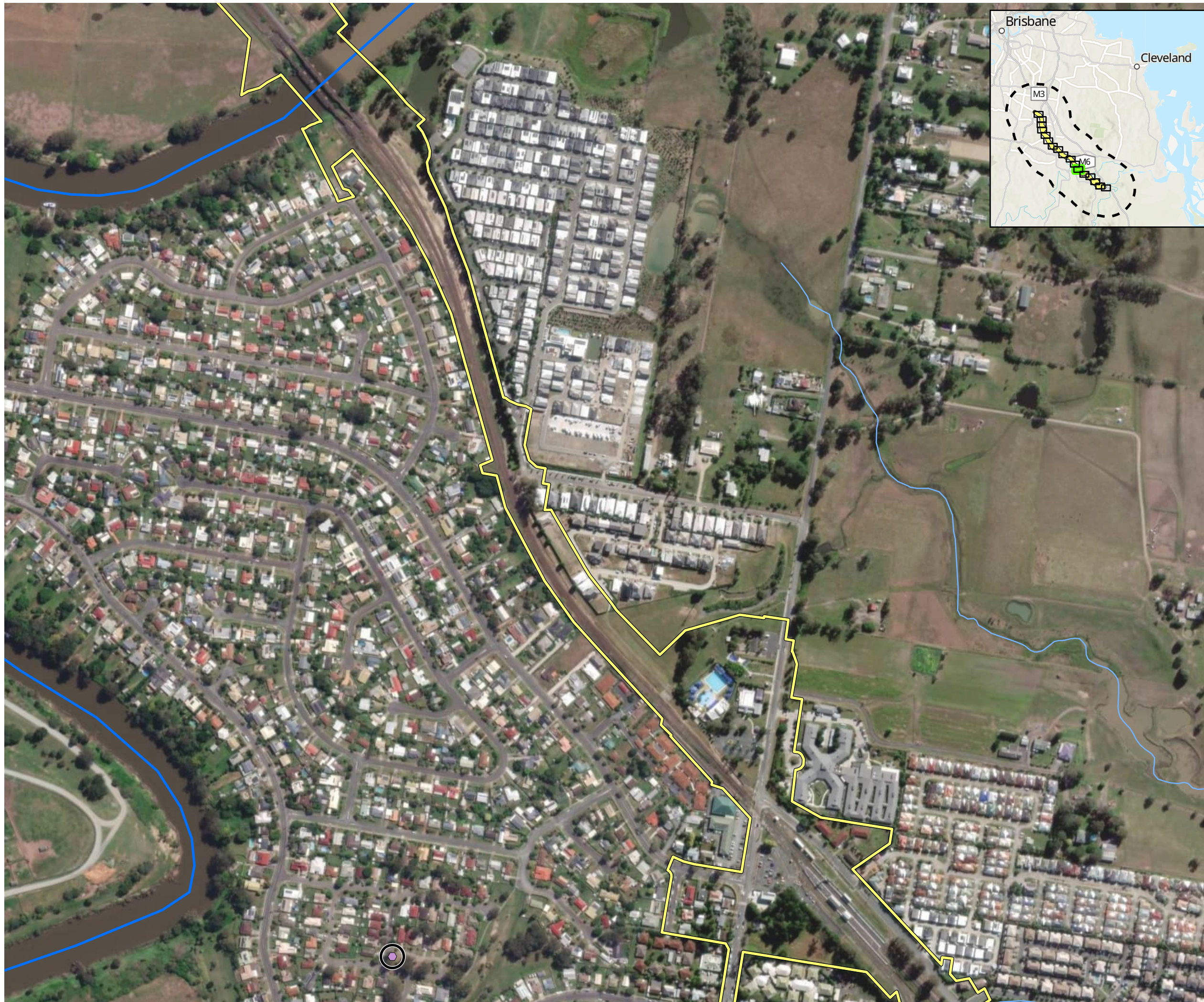


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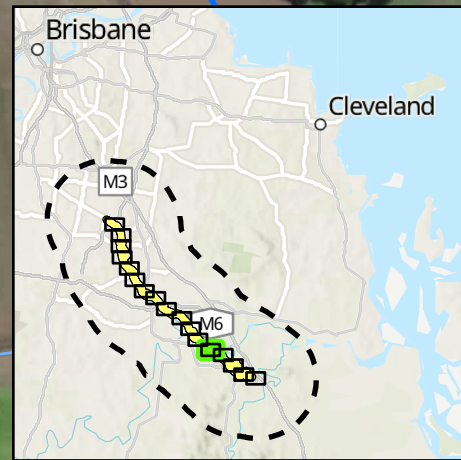
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Figure 7 Post 2014 MNES threatened species records



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Figure 7 Post 2014 MNES threatened species records

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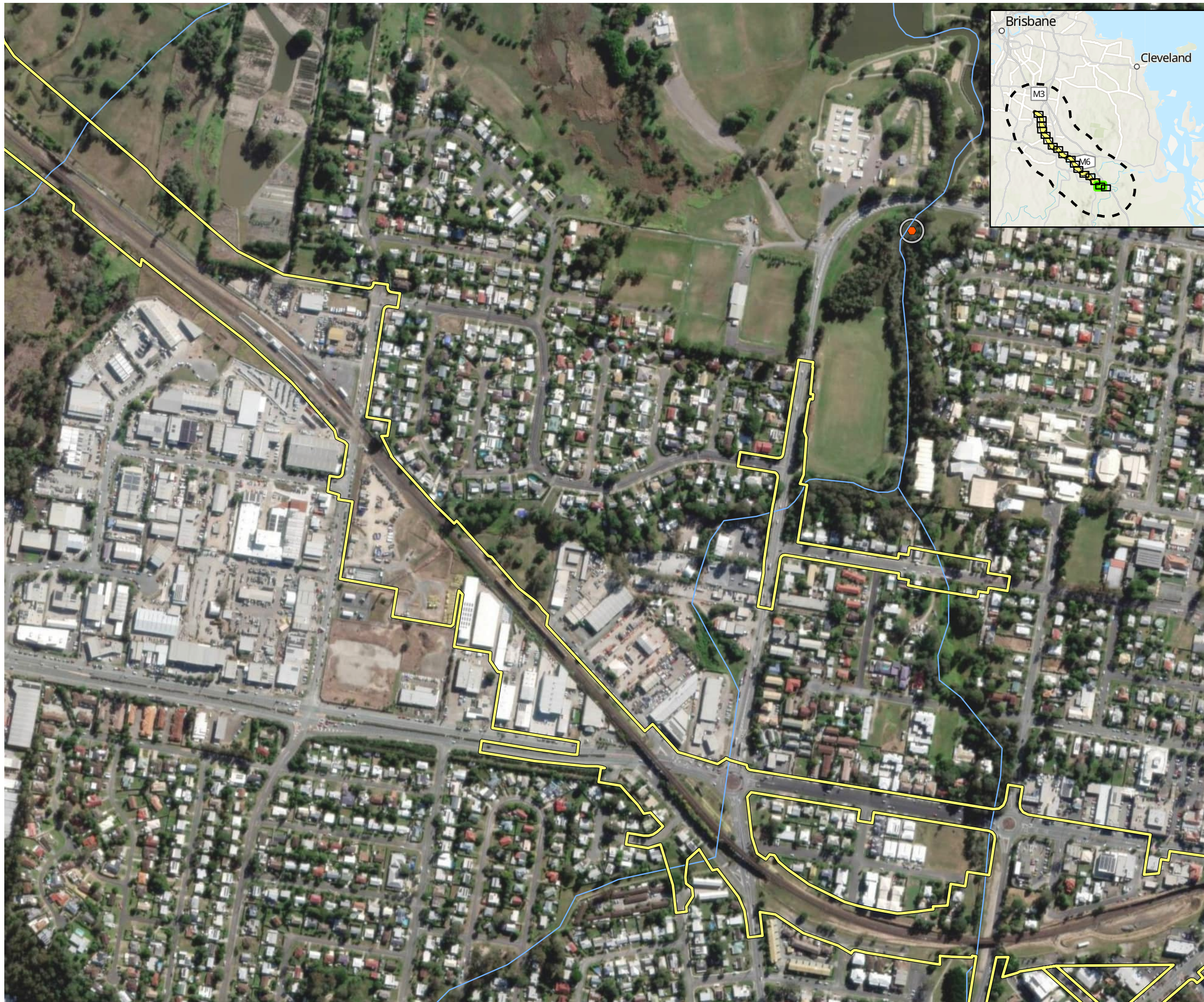
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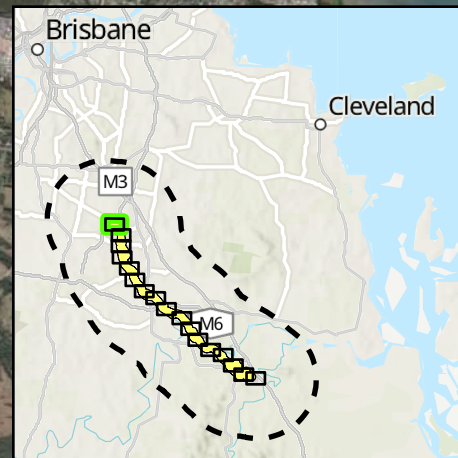
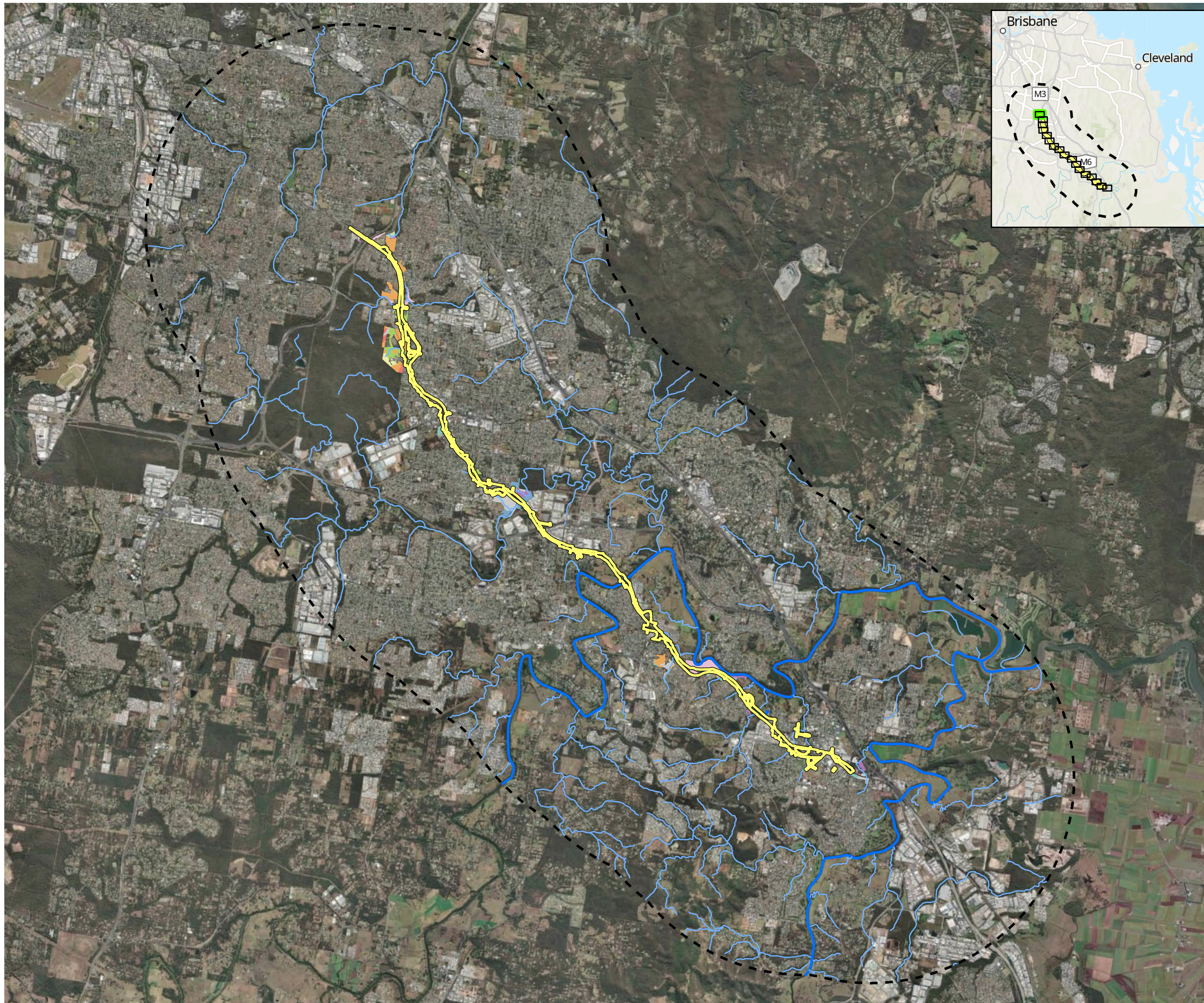
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Figure 7 Post 2014 MNES threatened species records

Figure 8 Ground truthed vegetation communities



AECOM



0 2,000 m

Study area

Impact area

Watercourse (major)

Watercourse (minor)

Vegetation communities (AECOM, 2024)

Corymbia citriodora subsp. *variegata* or *Corymbia henryi* woodland to open forest (12.11.5, 12.9-10.19a, 12.9-10.17b)

Eucalyptus baileyana woodland on quartzose sandstone (12.9-10.26)

Eucalyptus crebra, *E. tereticornis*, *Corymbia intermedia* grassy woodland on metamorphics (12.11.14)

Eucalyptus fibrosa subsp. *fibrosa* woodland on sedimentary rocks (12.9-10.19)

Eucalyptus moluccanawoodland on margins of Quaternary alluvial plains (12.3.3d)

Eucalyptus racemosa subsp. *Racemosa* and *Corymbia intermedia* and/or *Eucalyptus seeana* woodland on remnant tertiary surfaces (12.5.3, 12.5.3a, 12.9-10.12, 12.9-10.17c, 12.9-10.4, 12.11.27)

Eucalyptus siderophloia, *E. propinqua* open forest (12.11.3, 12.9-10.17, 12.9-10.17d)

Eucalyptus tereticornis, *Casuarina cunninghamiana* subsp. *cunninghamiana* +/- *Melaleuca* spp. fringing woodland (12.3.7, 12.3.7a)

Eucalyptus tereticornis and mixed woodland to open forest on alluvium (12.3.3, 12.3.11)

Melaleuca quinquenervia, *Eucalyptus* and spp. and *Casuarina glauca* open forest on coastal alluvial plains (12.3.20, 12.3.6)

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Swamps with *Cyperus* spp., *Schoenoplectus* spp. and *Eleocharis* spp. (12.3.8)

Water

Figure 8 Ground truthed vegetation communities

Page 1 of 18

Project: Logan and Gold Coast Faster Rail
Report: Preliminary Documentation - Supplementary MNES Report
Client: Department of Transport and Main Roads
Project Number: 60681907
Date: 12/02/2025

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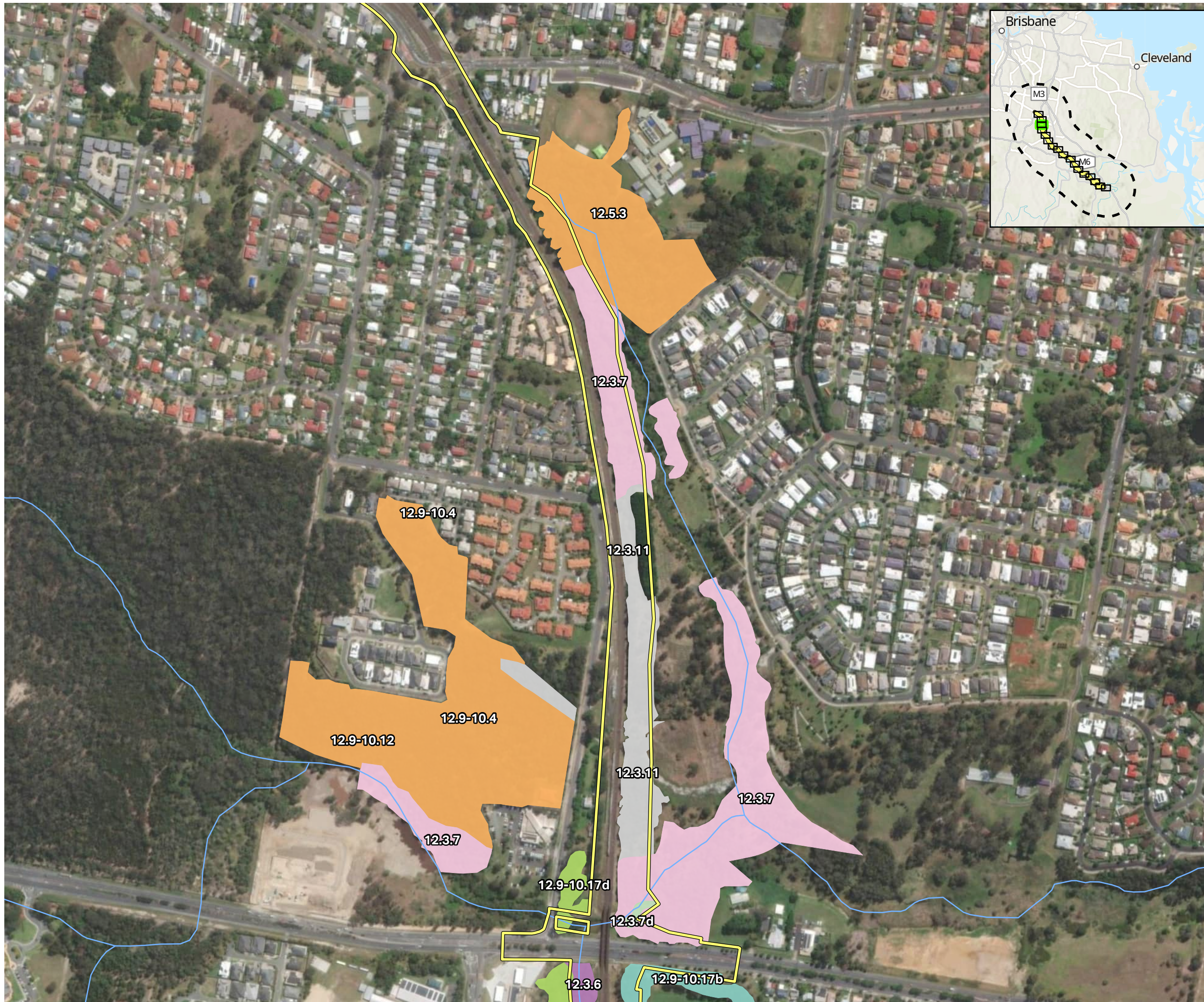
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Department of Resources, DESI, Esri, TomTom, Garmin, Foursquare, FAO, METI/NASA, USGS, Earthstar Geographics, Esri, USGS



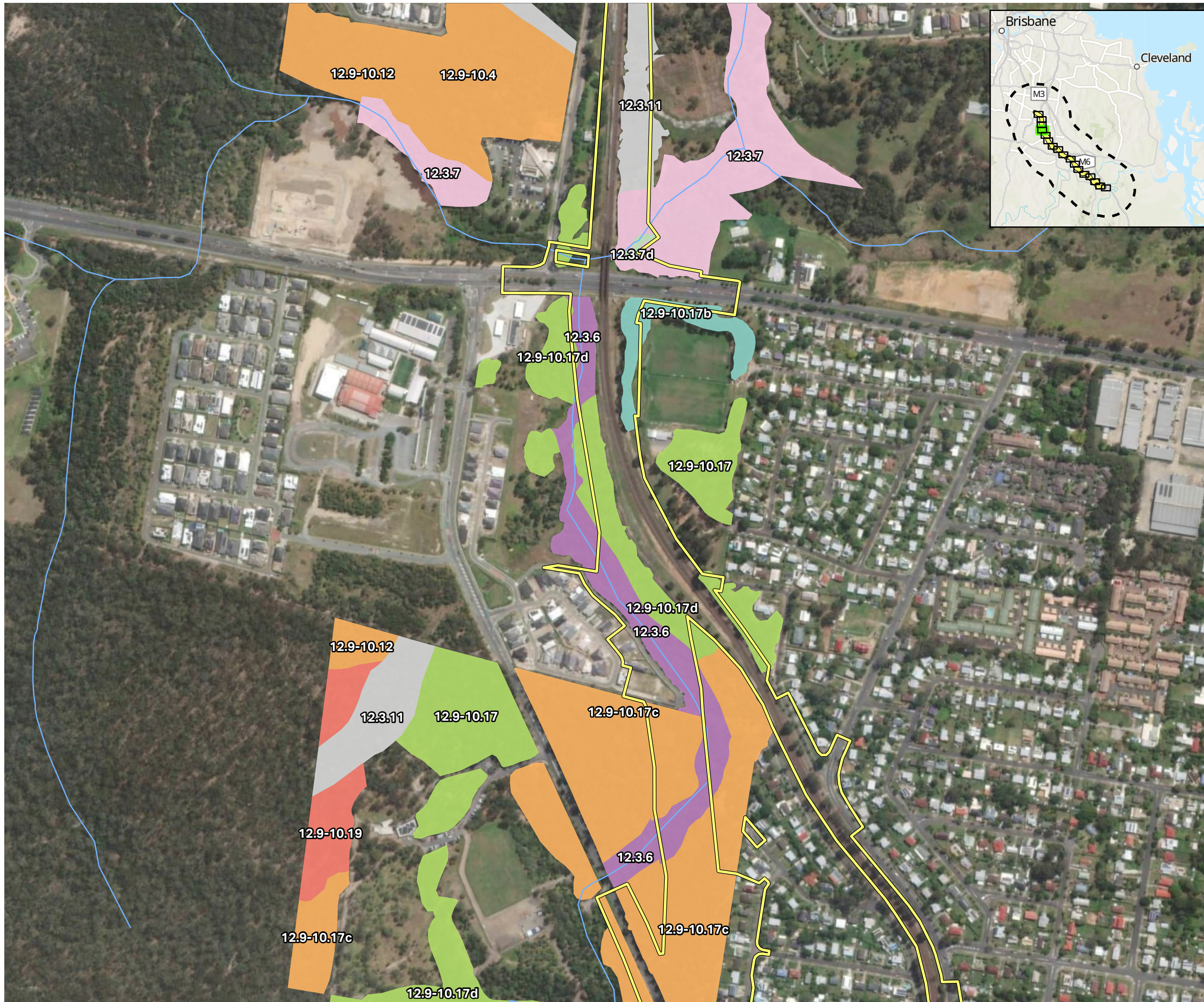
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 - Impact area
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 - Watercourse (minor)
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Figure 8 Ground truthed vegetation communities



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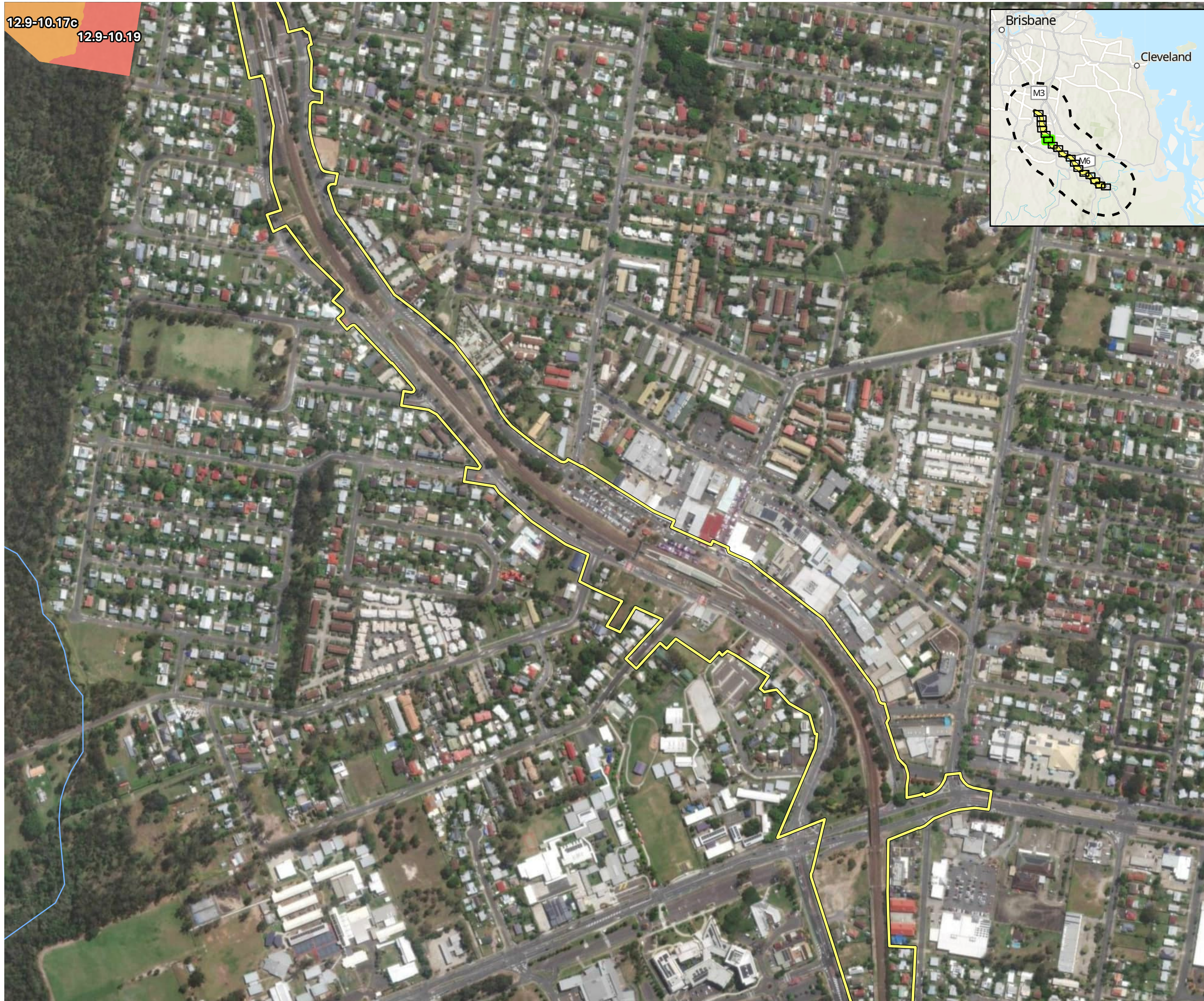
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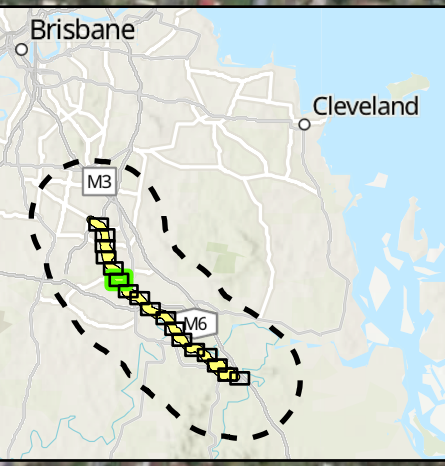


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12.9-10.17c
12.9-10.19



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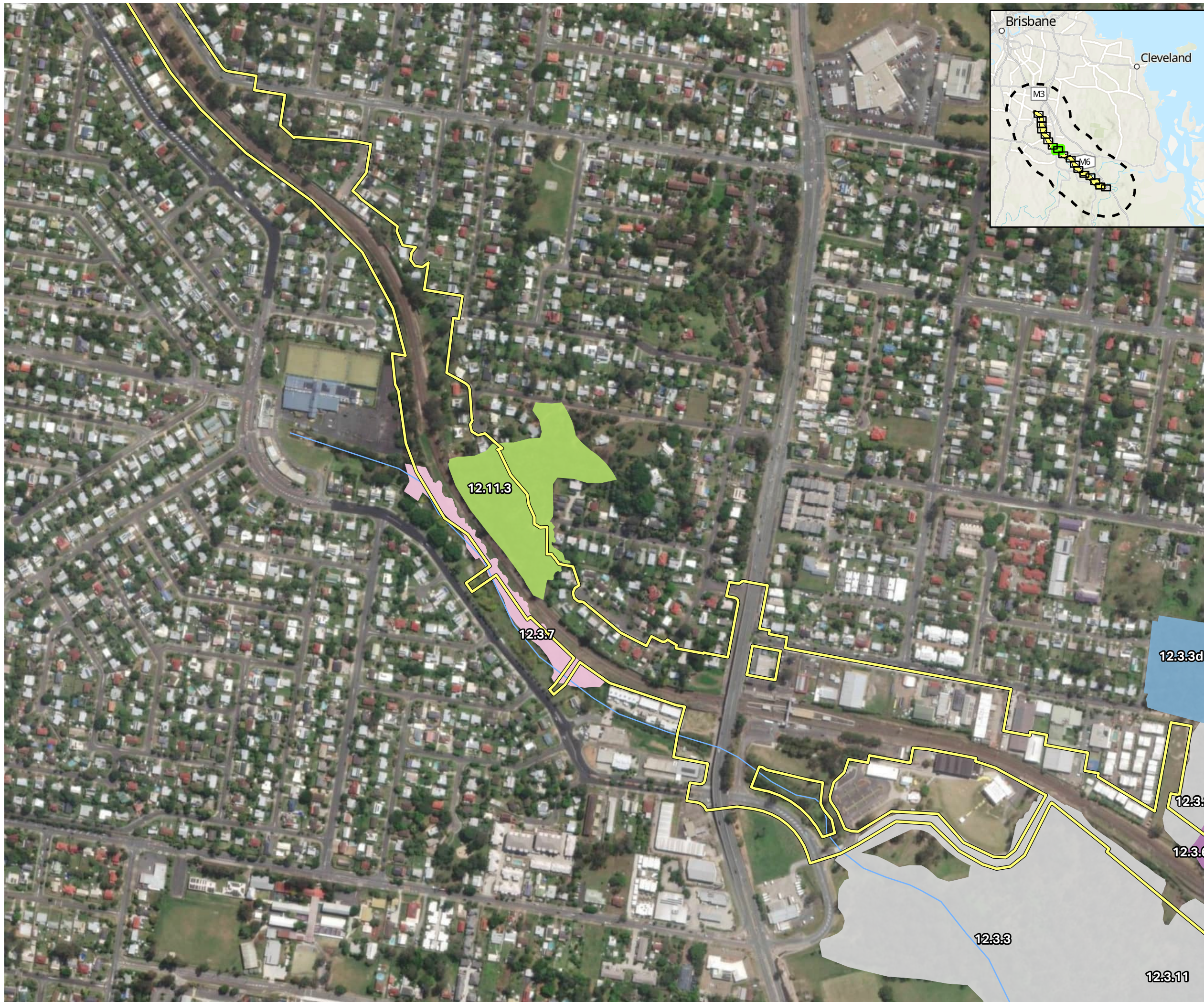


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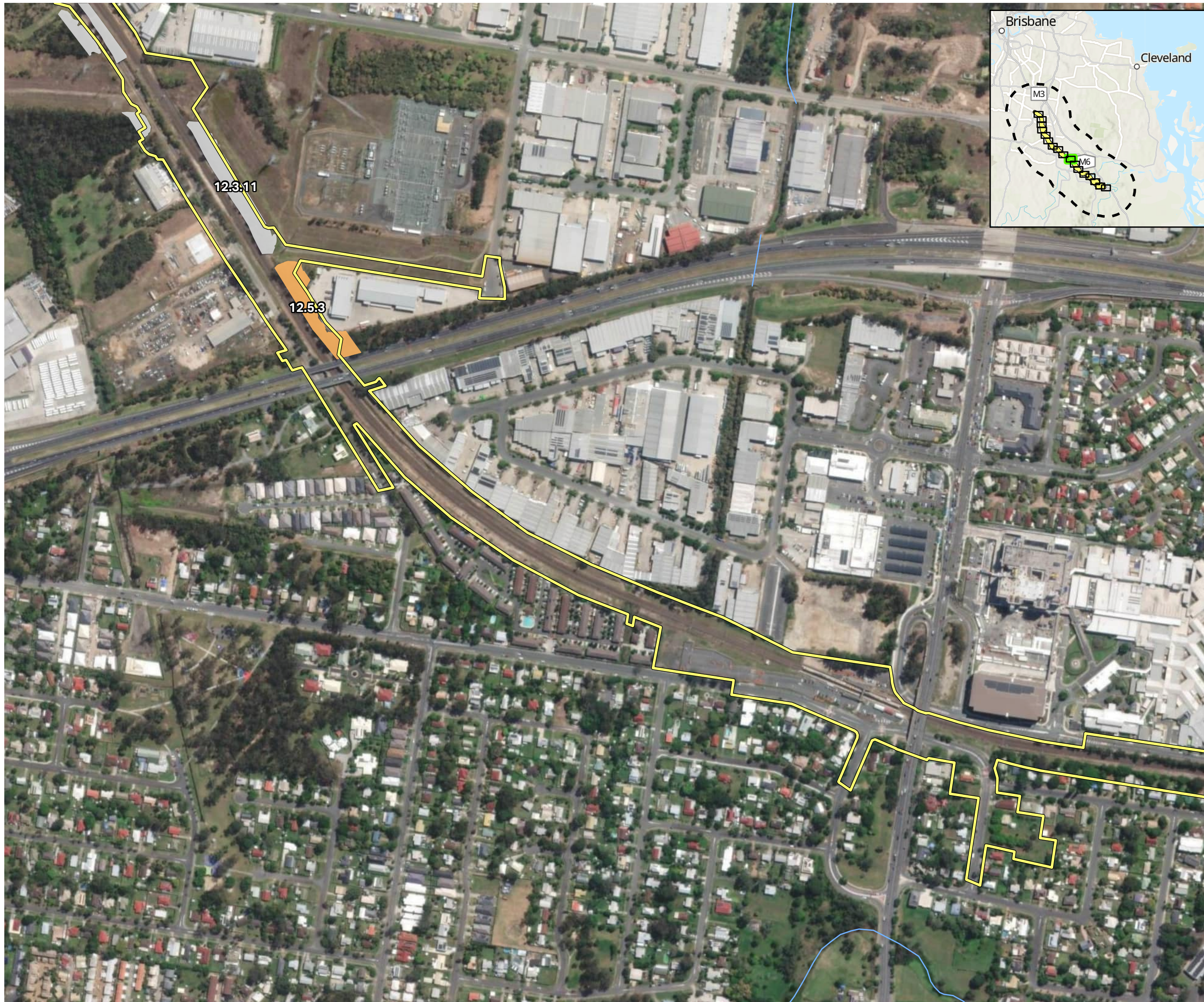
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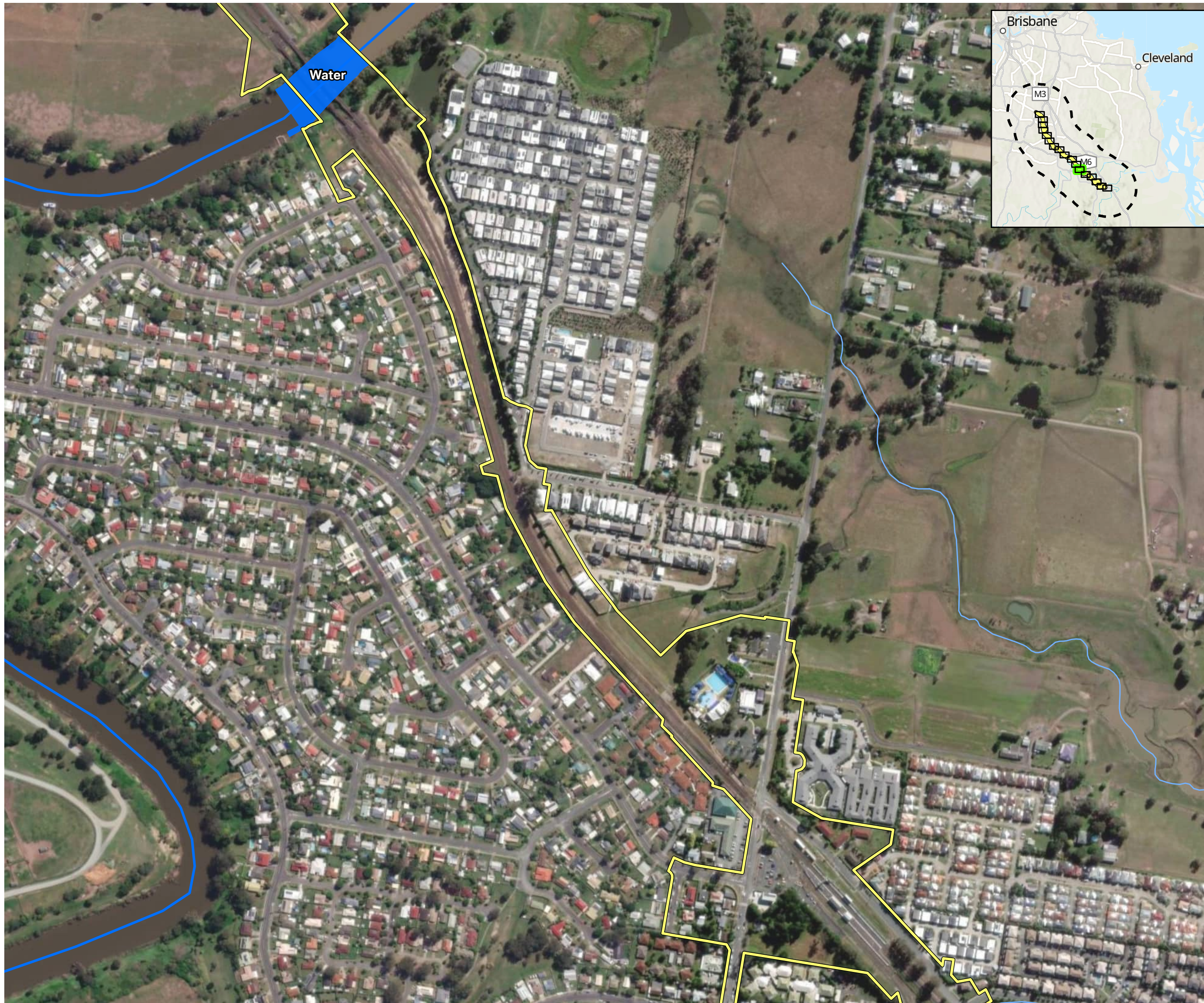
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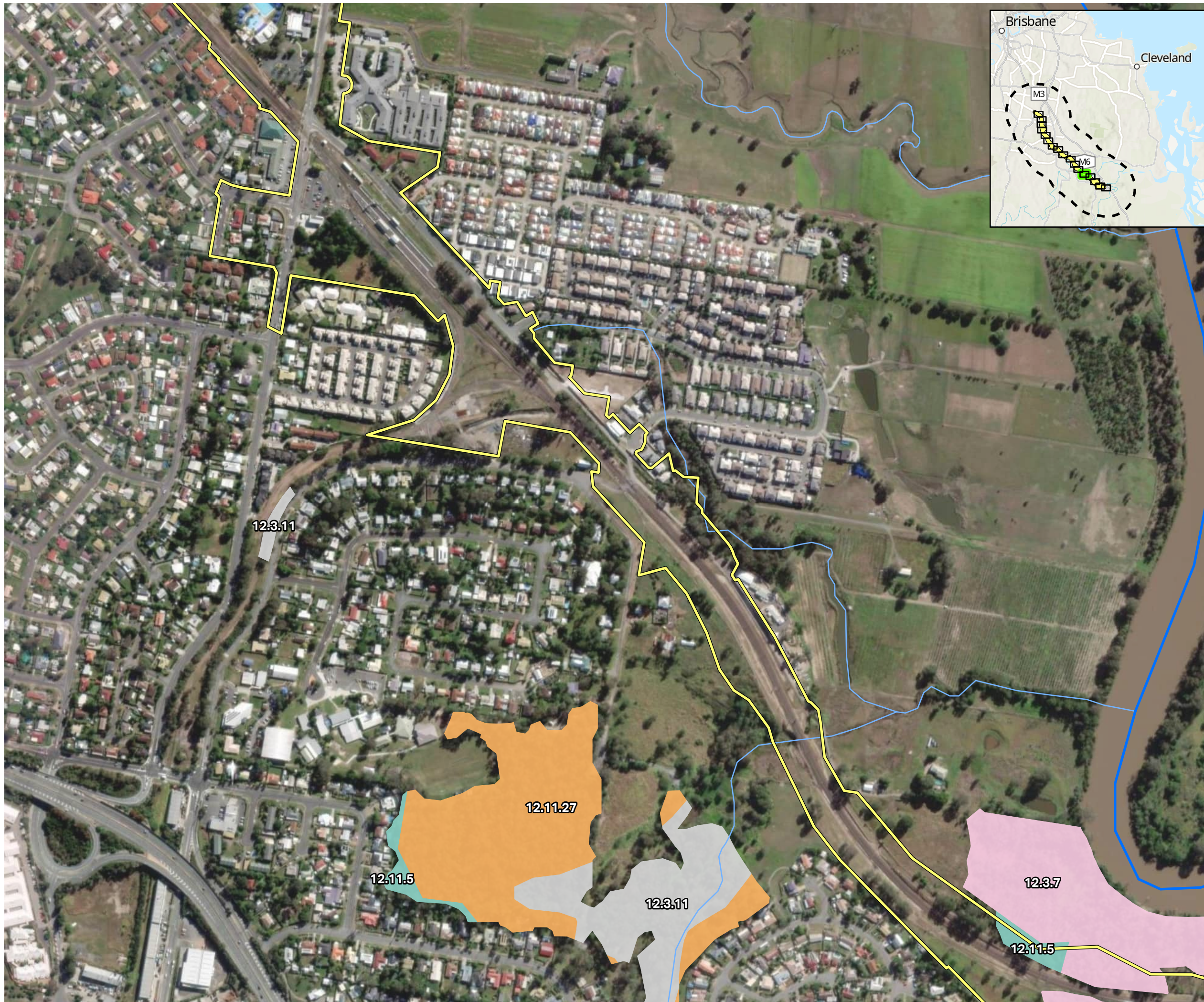
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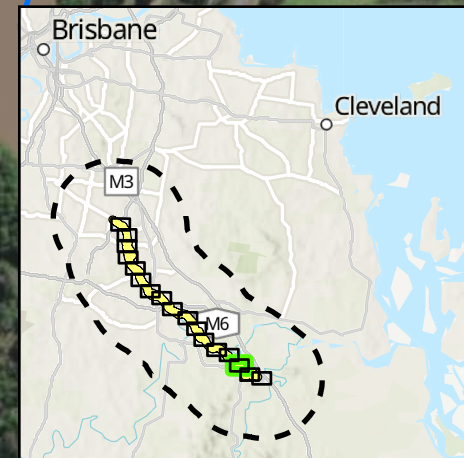
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- Water

Figure 8 Ground truthed vegetation communities



- Study area
- Impact area
- Watercourse (major)
- Watercourse (minor)
- Vegetation communities (AECOM, 2024)**
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- Eucalyptus baileyana* woodland on quartzose sandstone (12.9-10.26)
- Eucalyptus crebra*, *E. tereticornis*, *Corymbia intermedia* grassy woodland on metamorphics (12.11.14)
- Eucalyptus fibrosa* subsp. *fibrosa* woodland on sedimentary rocks (12.9-10.19)
- Eucalyptus moluccanawoodland* on margins of Quaternary alluvial plains (12.3.3d)
- Eucalyptus racemosa* subsp. *Racemosa* and *Corymbia intermedia* and/or *Eucalyptus seeana* woodland on remnant tertiary surfaces (12.5.3, 12.5.3a, 12.9-10.12, 12.9-10.17c, 12.9-10.4, 12.11.27)
- Eucalyptus siderophloia*, *E. propinqua* open forest (12.11.3, 12.9-10.17, 12.9-10.17d)
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Figure 8 Ground truthed vegetation communities

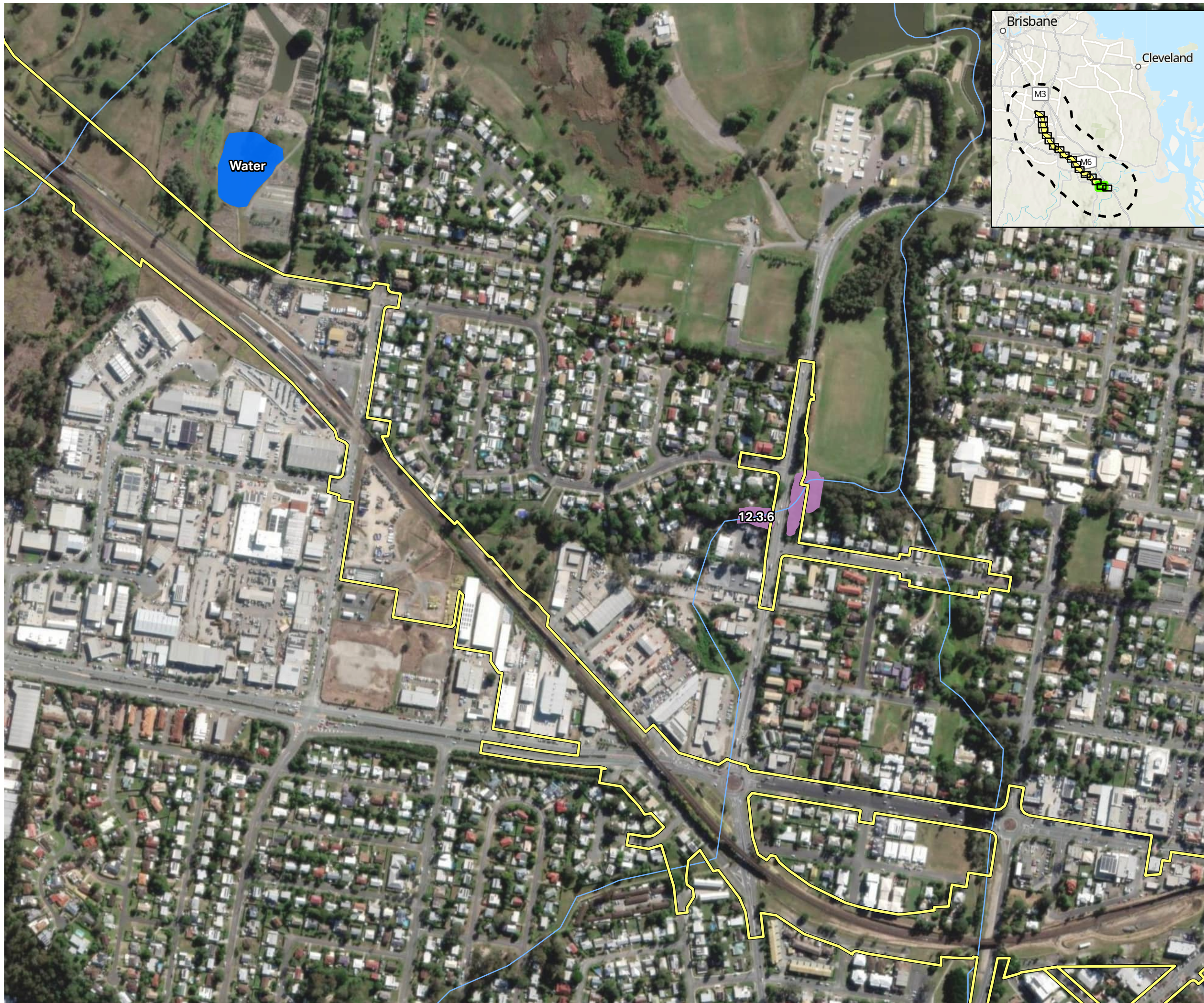


AECOM



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AECOM



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Figure 8 Ground truthed vegetation communities

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Project: Logan and Gold Coast Faster Rail
Report: Preliminary Documentation - Supplementary MNES Report
Client: Department of Transport and Main Roads
Project Number: 60681907
Date: 12/02/2025

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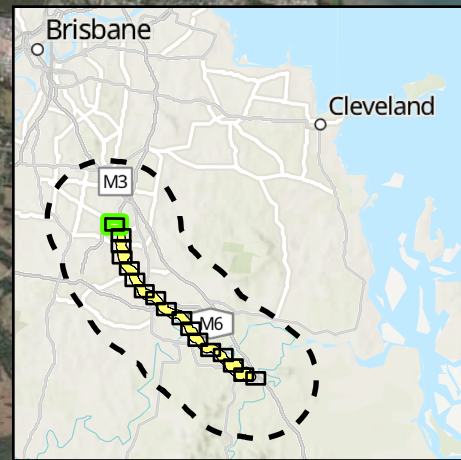
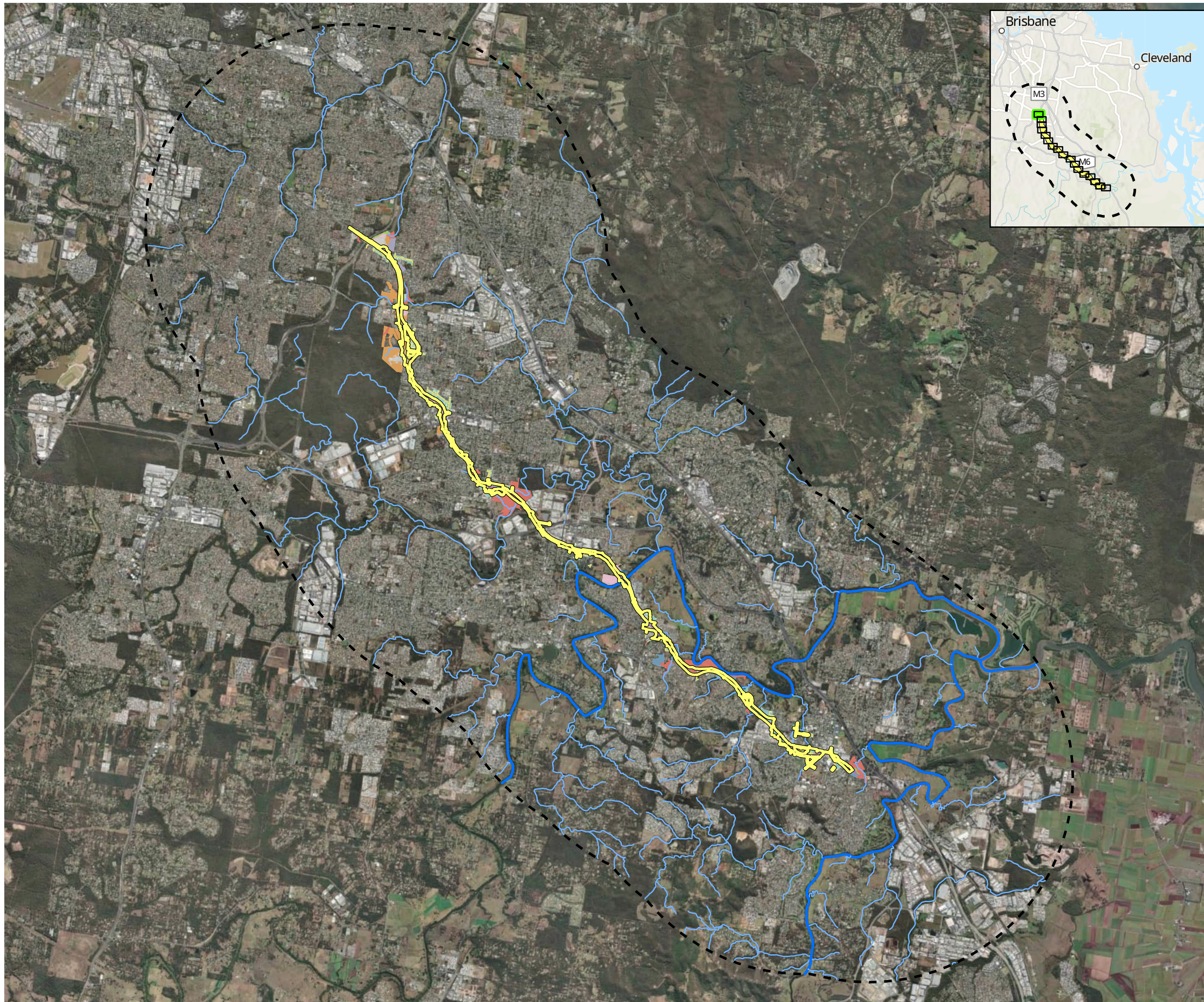
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Figure 8 Ground truthed vegetation communities

Figure 9 Ground truthed fauna habitat types



AECOM



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- Watercourse (minor)
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- Eucalypt woodland to open forest on sedimentary rocks
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- Parkland (not vegetated)
- Parkland (vegetated)
- Rail corridor and stations
- Recent revegetation areas
- Roads
- Water bodies, creeks and lakes
- Wetlands
- Wetlands and swamps

Figure 9 Ground truthed fauna habitat types

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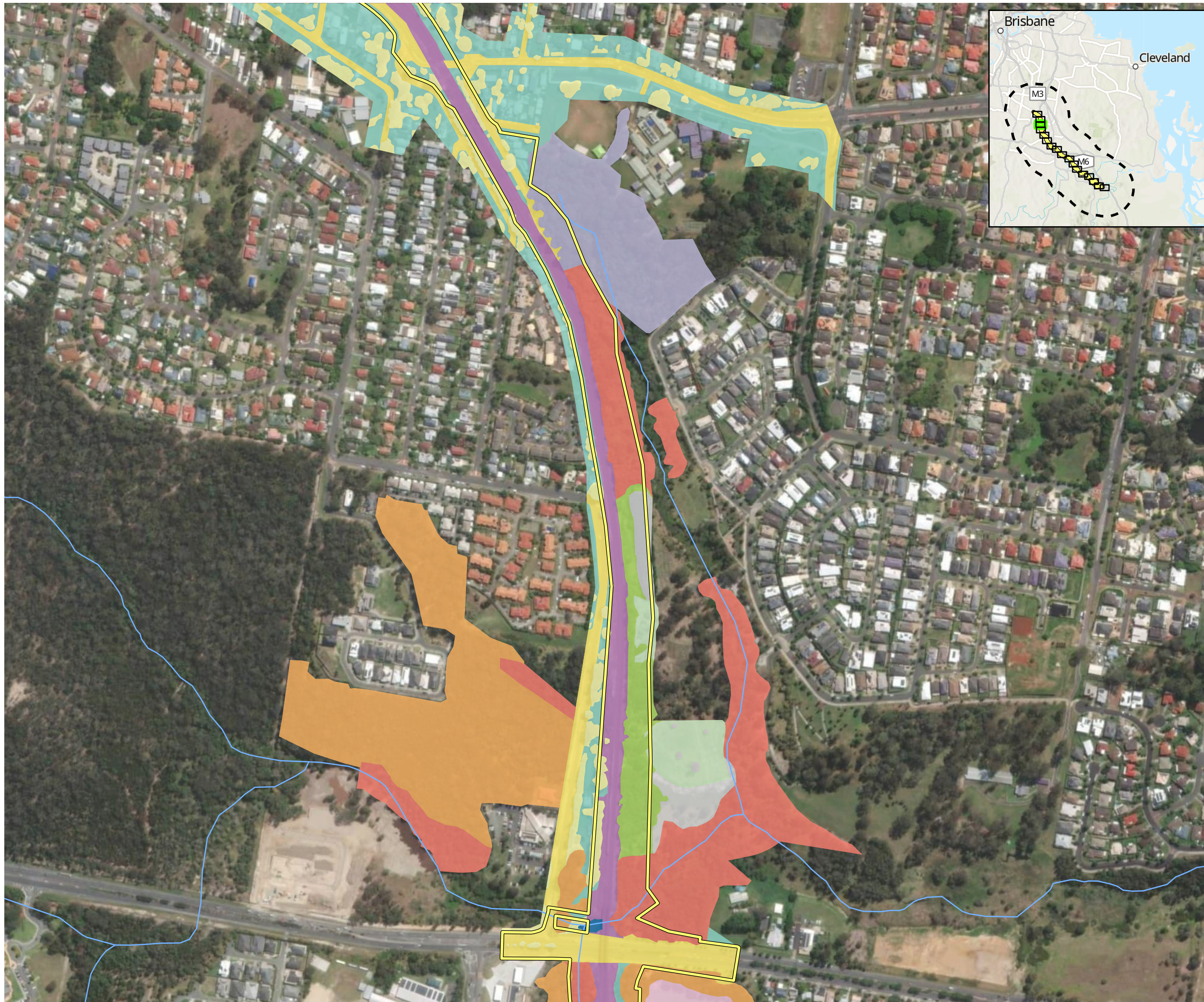
Project: Logan and Gold Coast Faster Rail
Report: Preliminary Documentation - Supplementary MNES Report
Client: Department of Transport and Main Roads
Project Number: 60681907
Date: 12/02/2025

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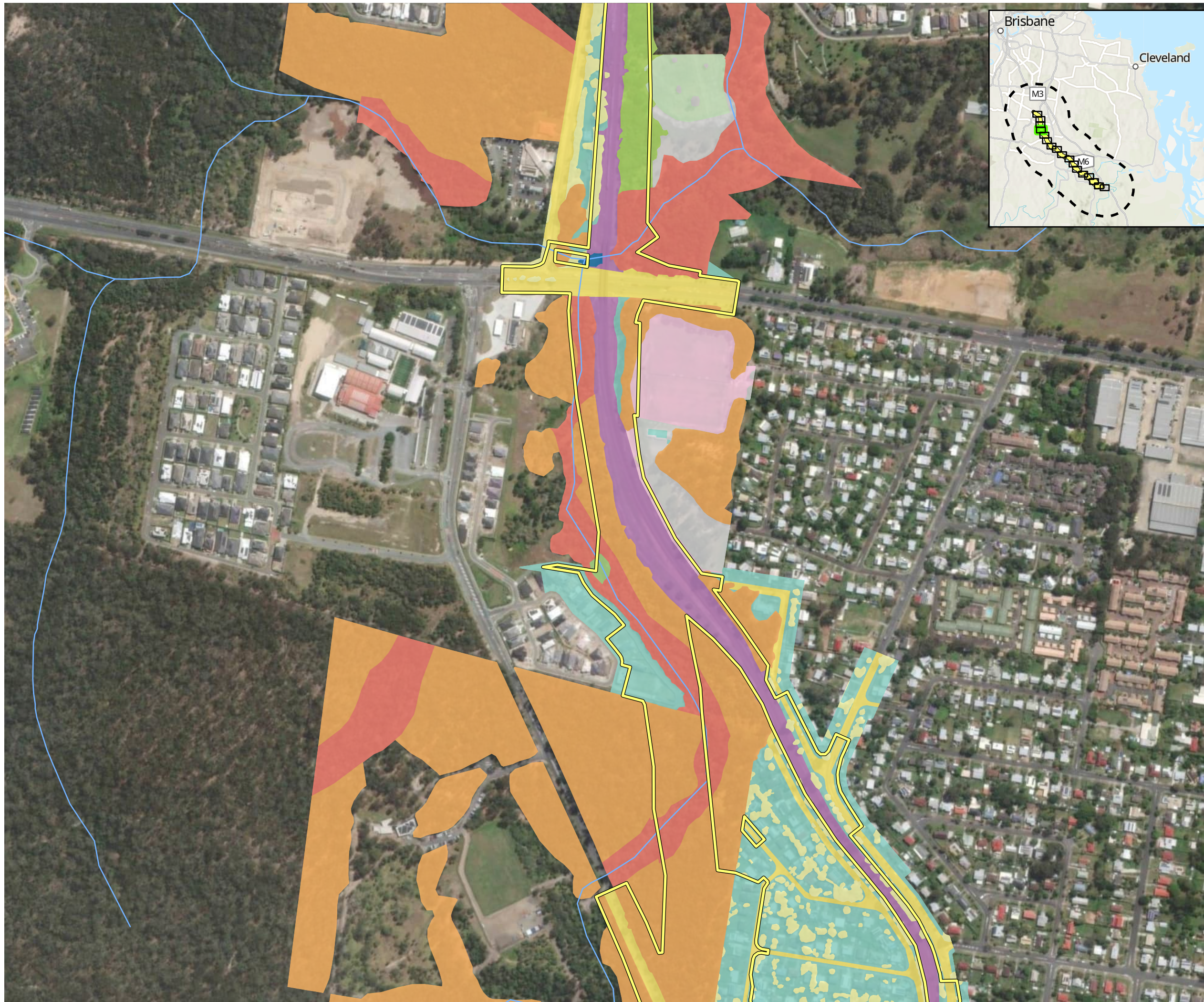
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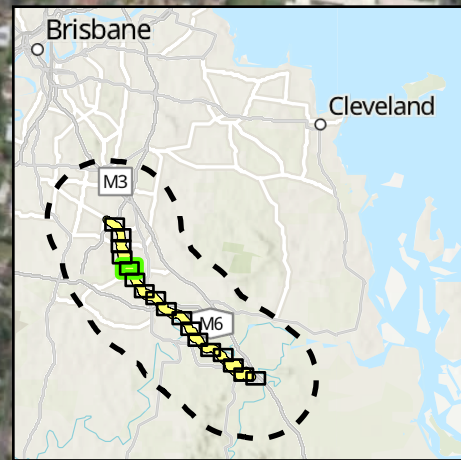
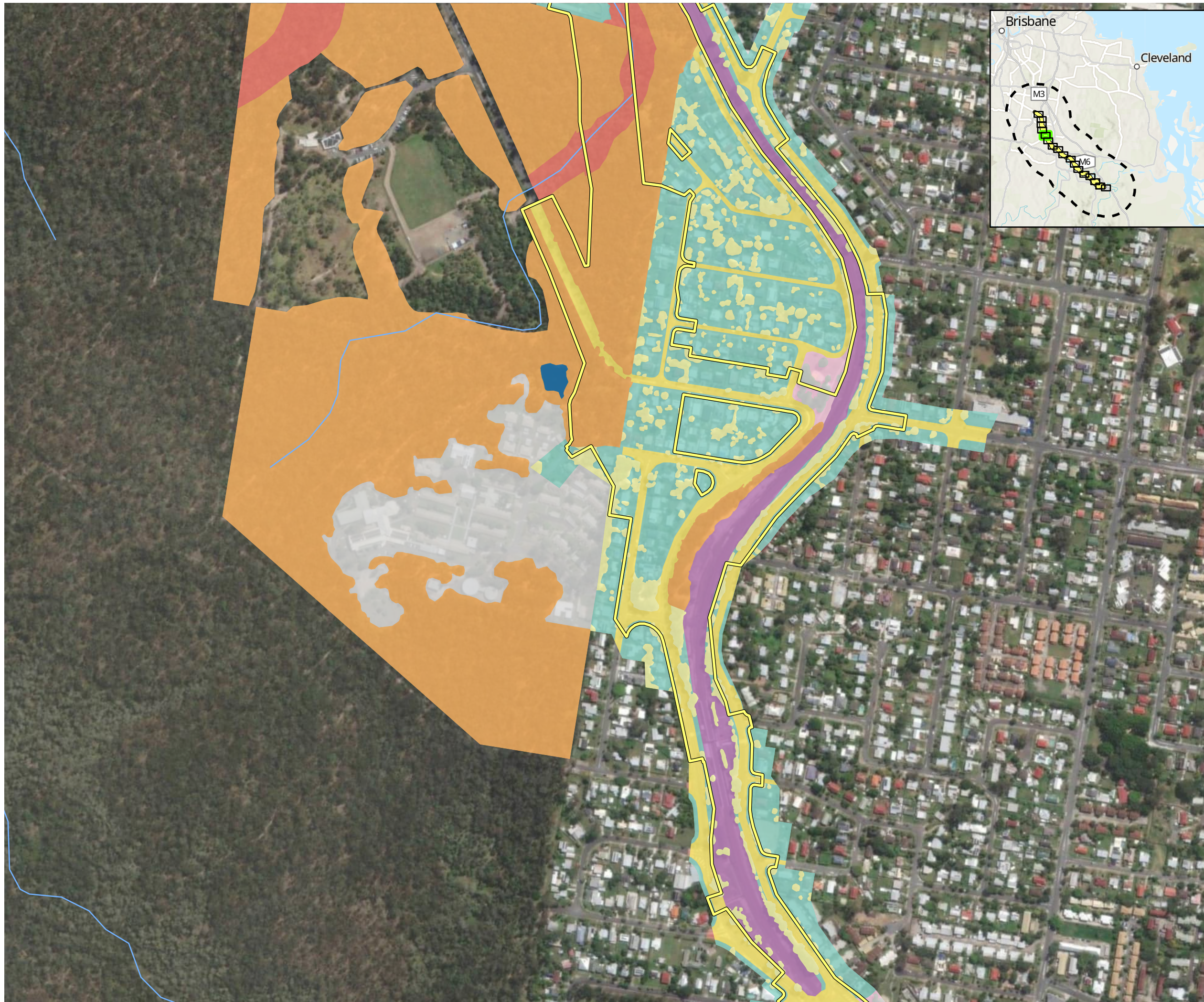
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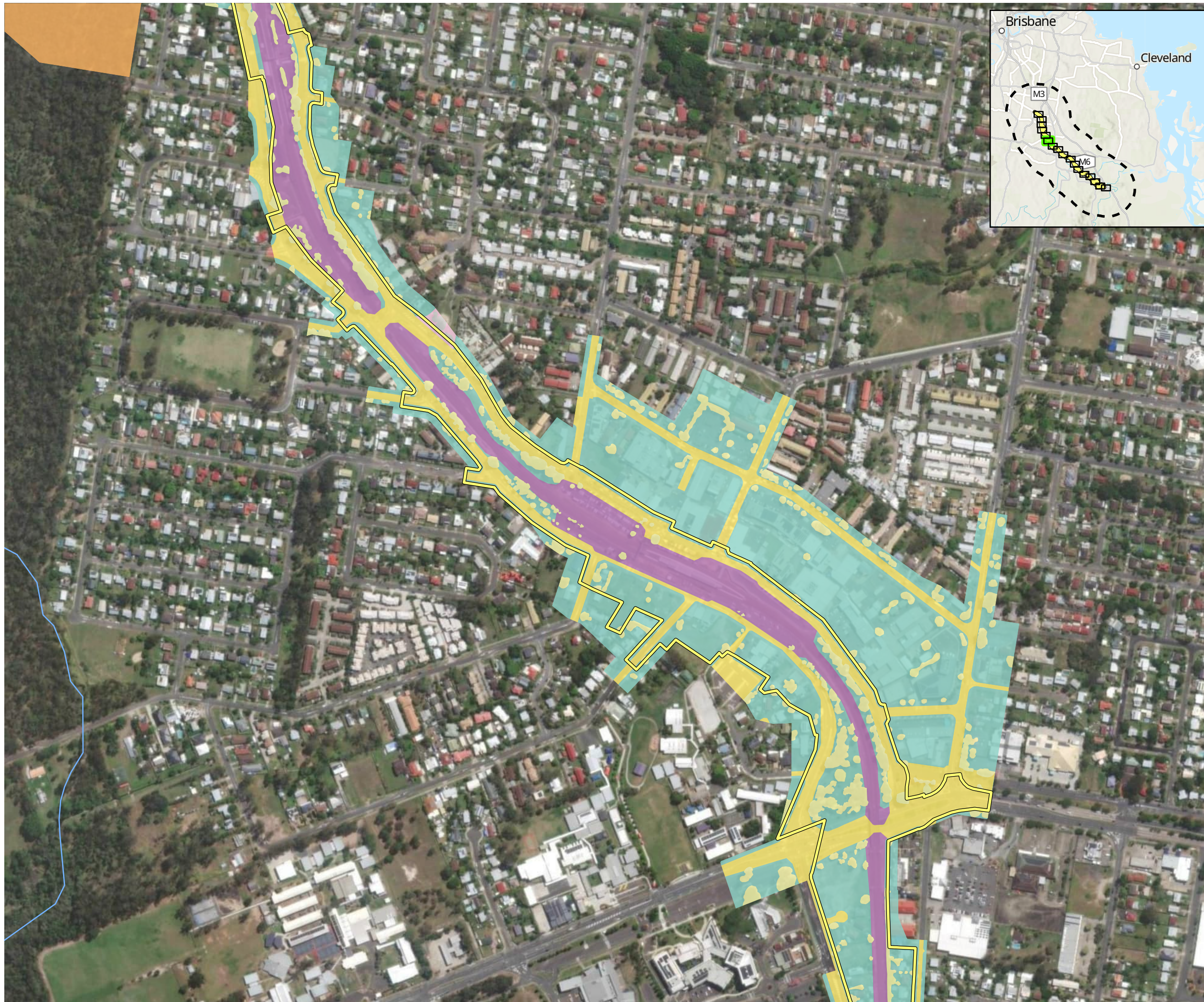
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Figure 9 Ground truthed fauna habitat types

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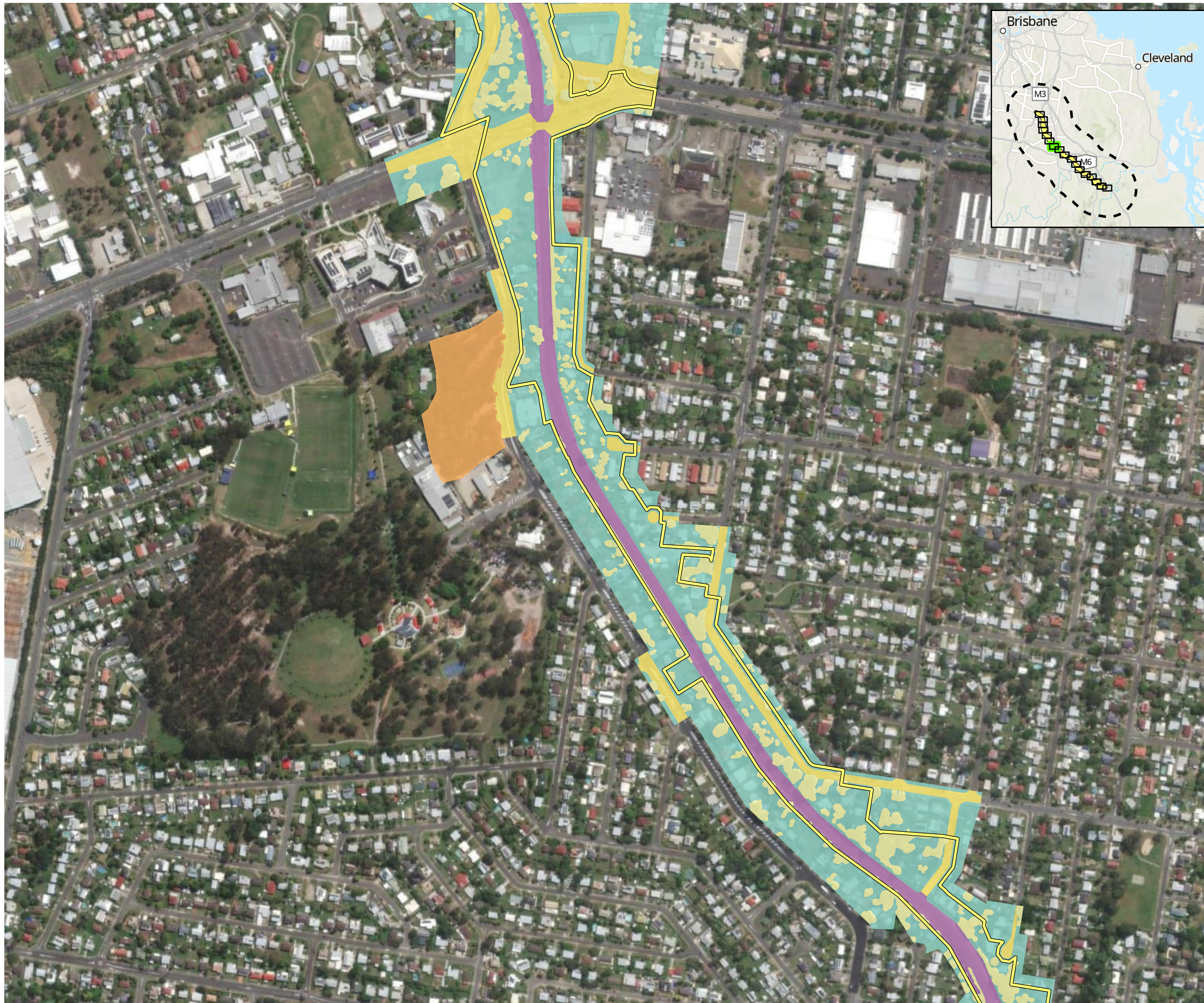
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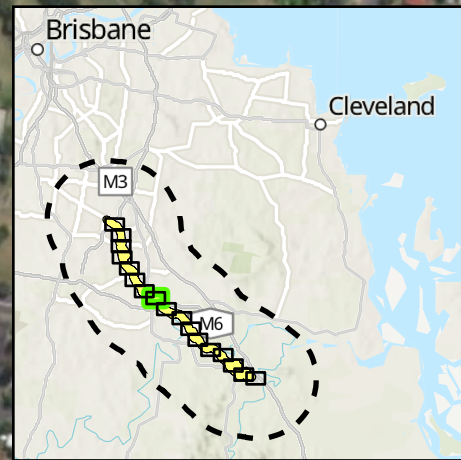
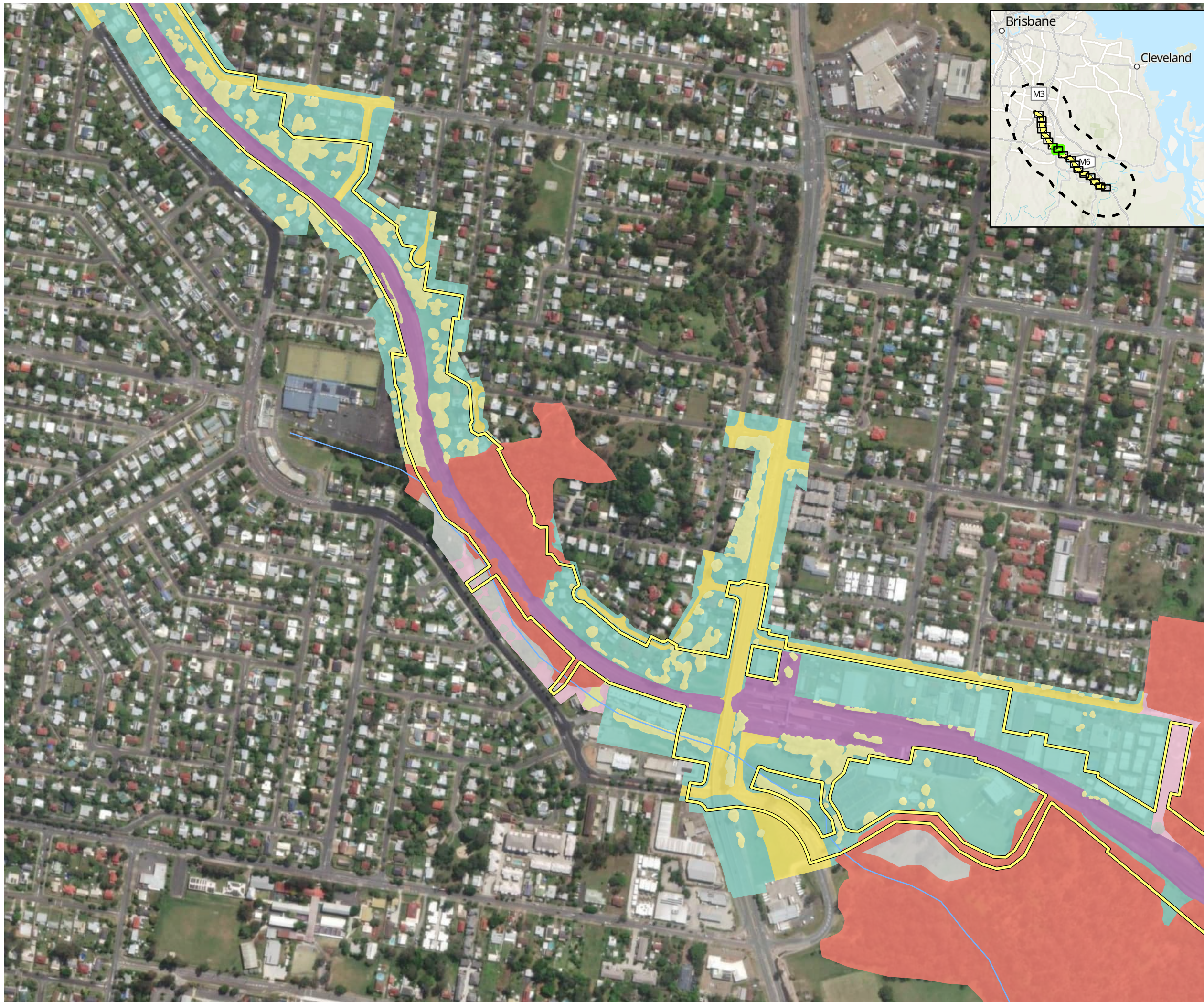
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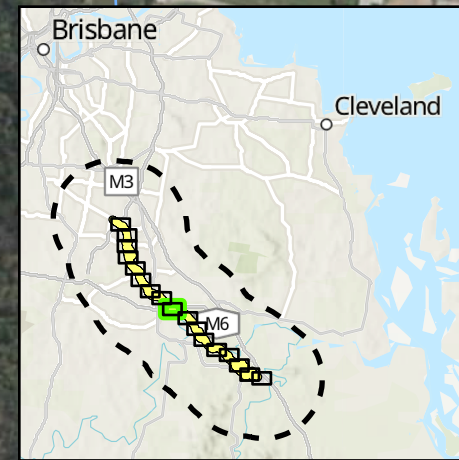
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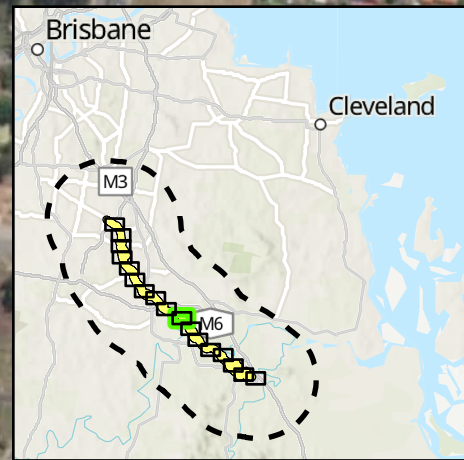
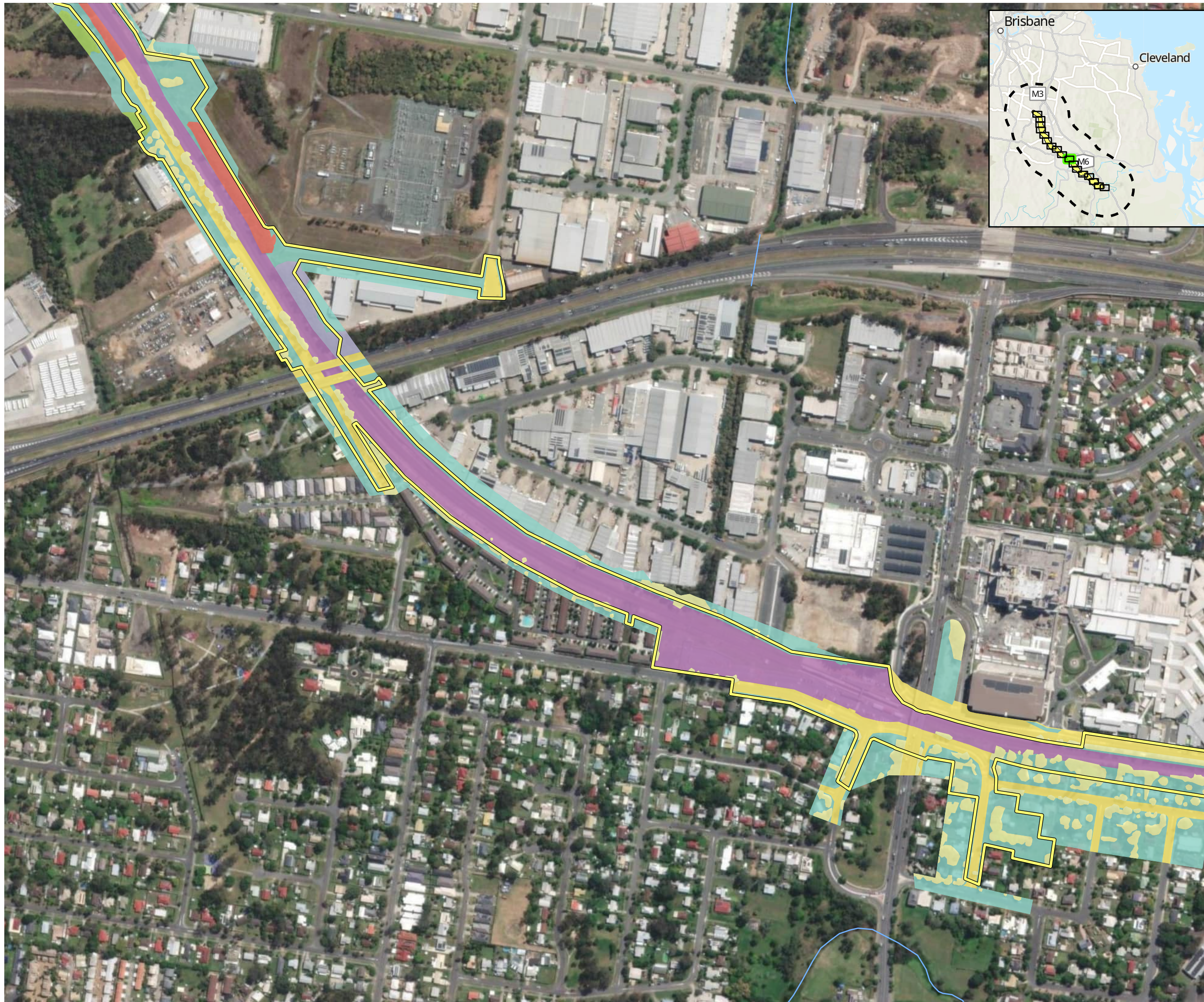
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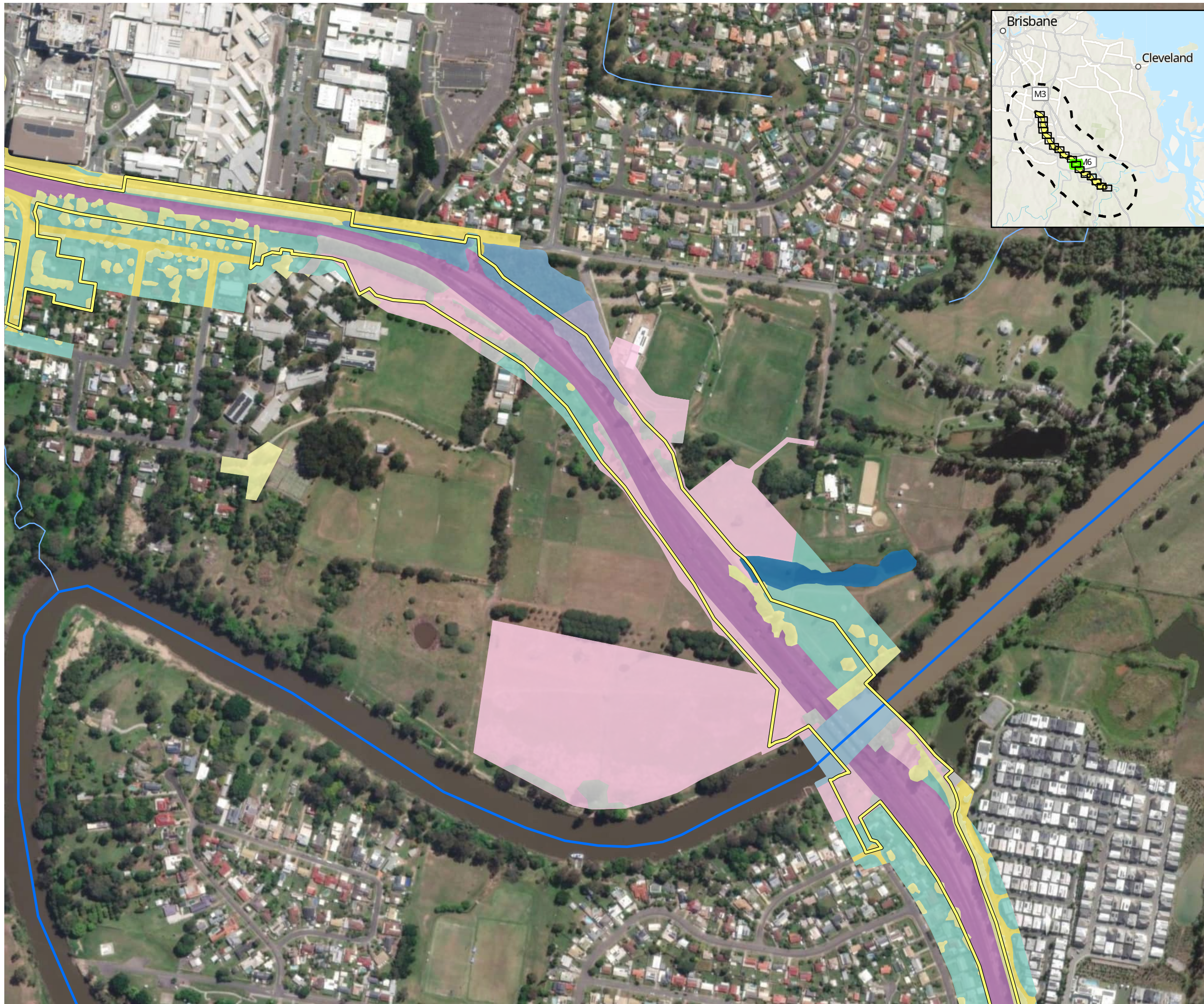
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- Water bodies, creeks and lakes
- Wetlands
- Wetlands and swamps

Figure 9 Ground truthed fauna habitat types

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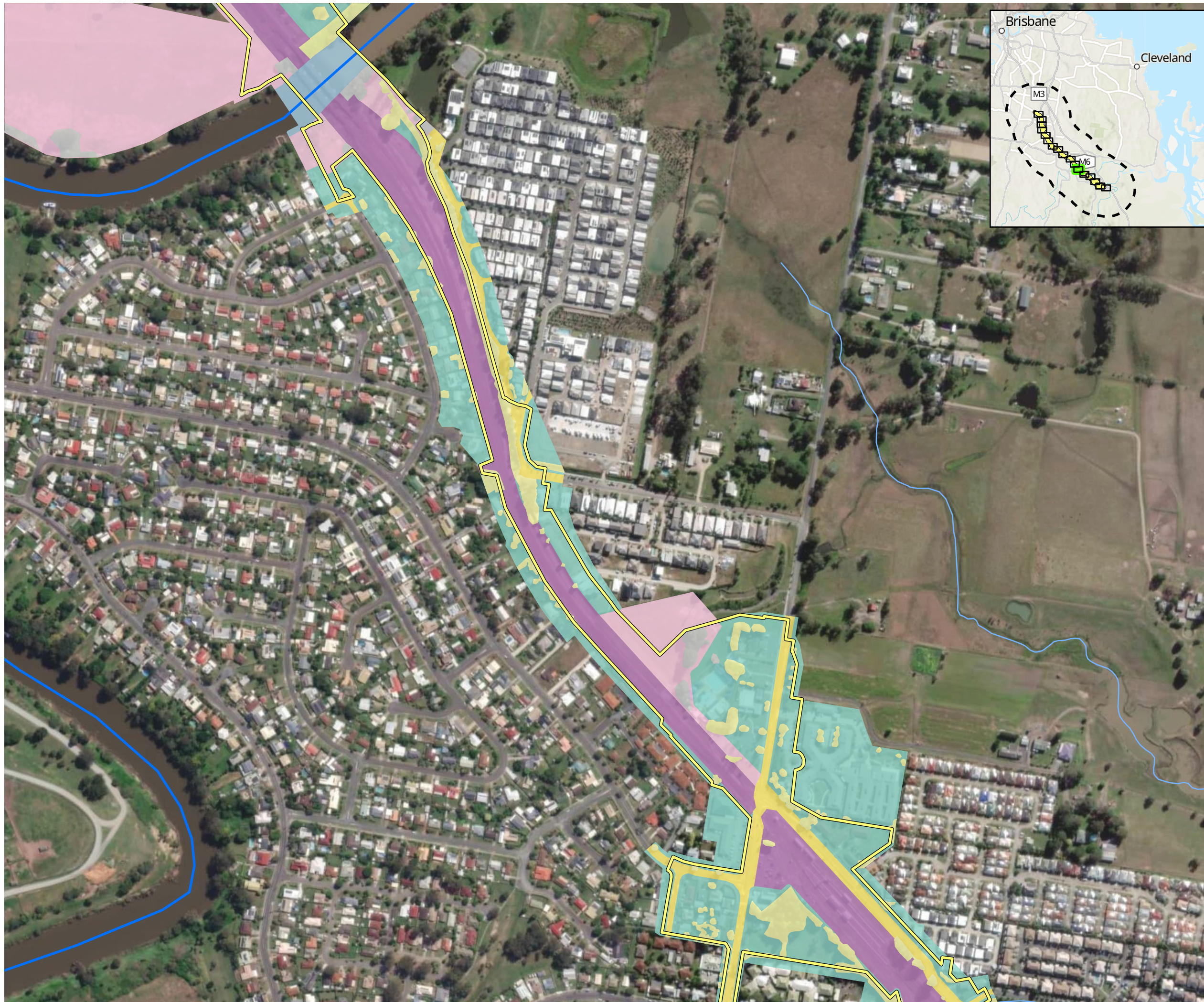
Project: Logan and Gold Coast Faster Rail
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Project Number: 60681907
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- Study area
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Figure 9 Ground truthed fauna habitat types



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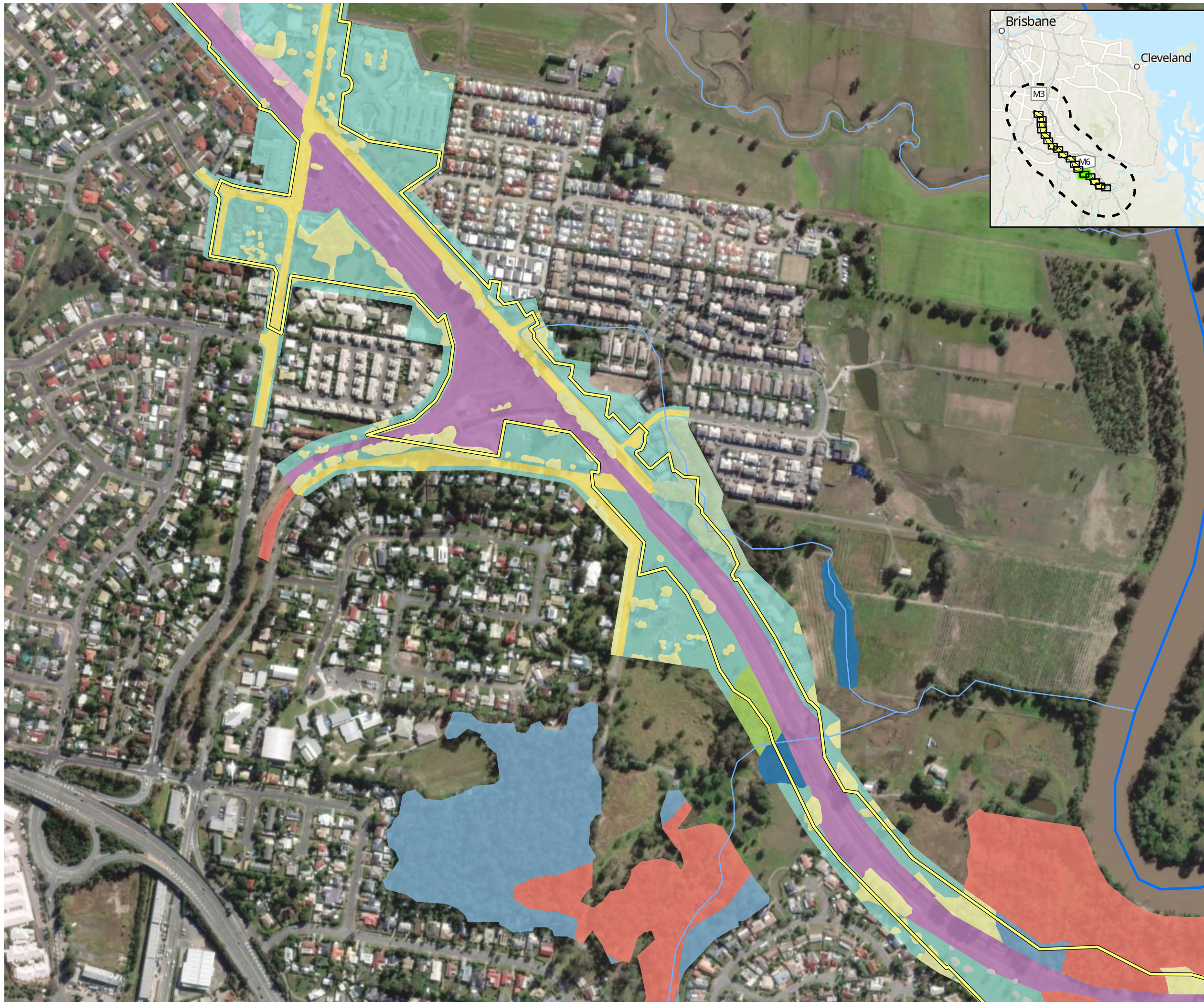
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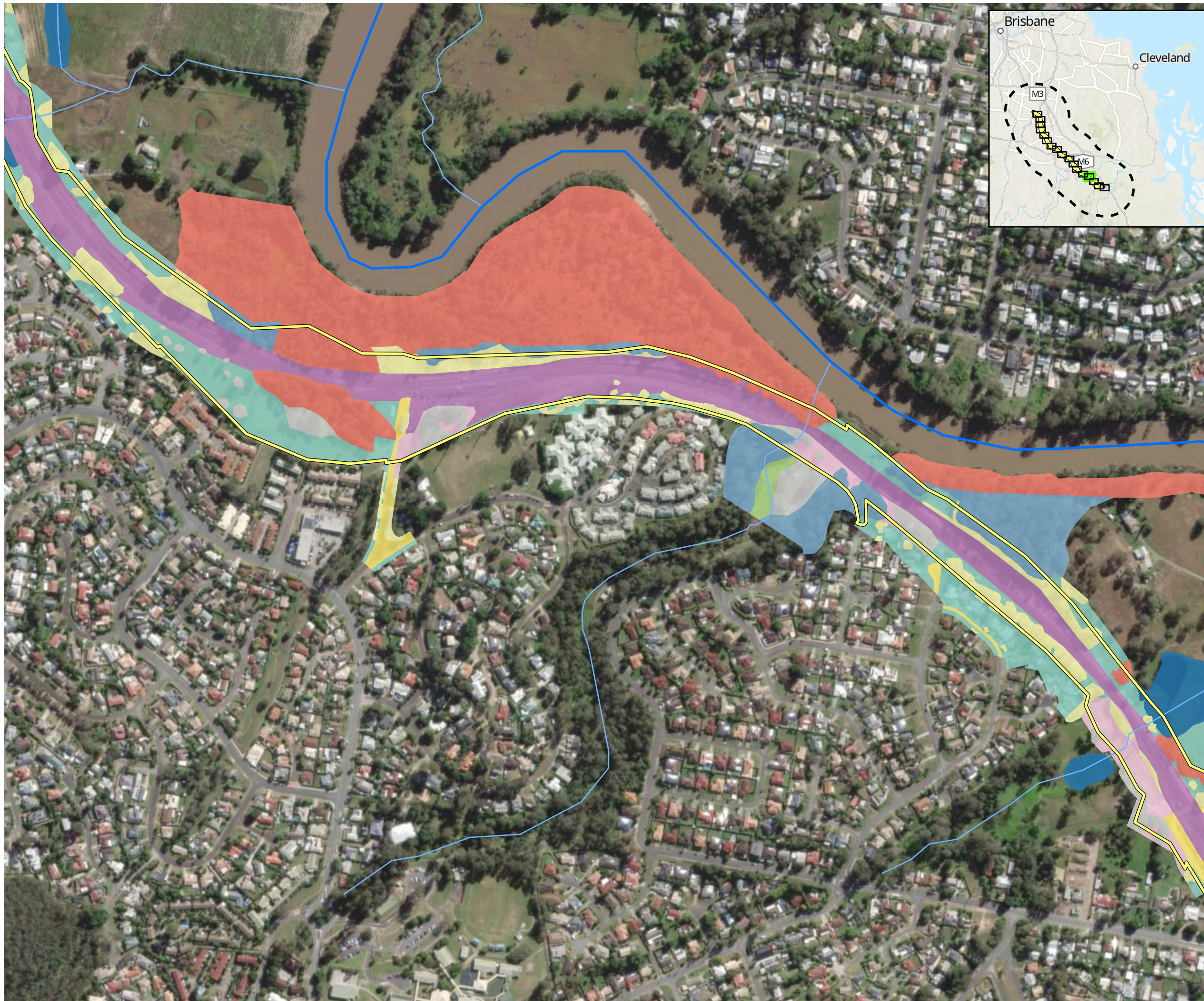
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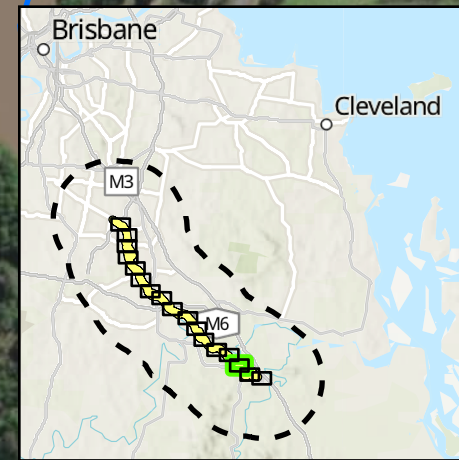
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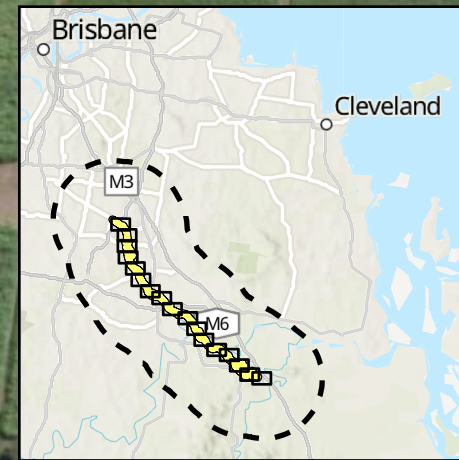
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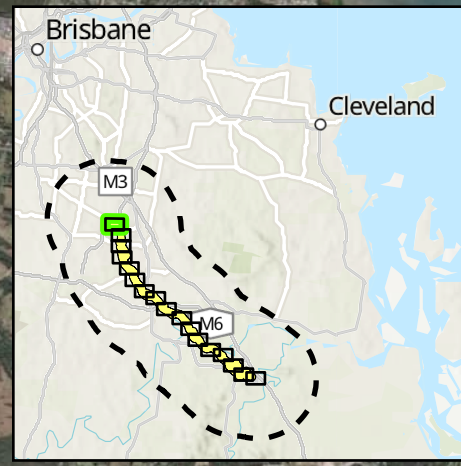
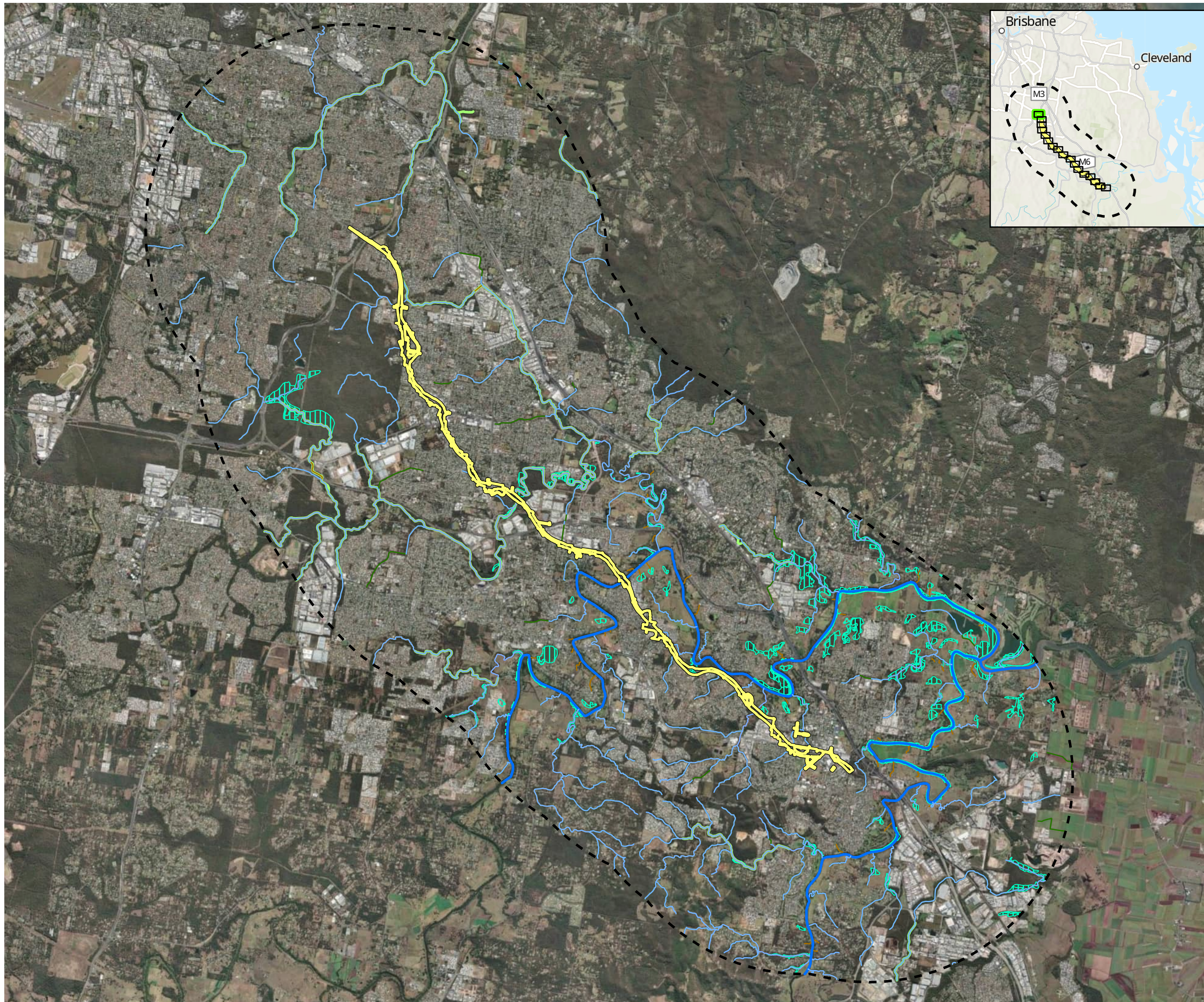
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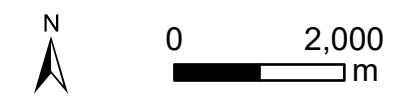
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Figure 10 Wetlands and watercourses



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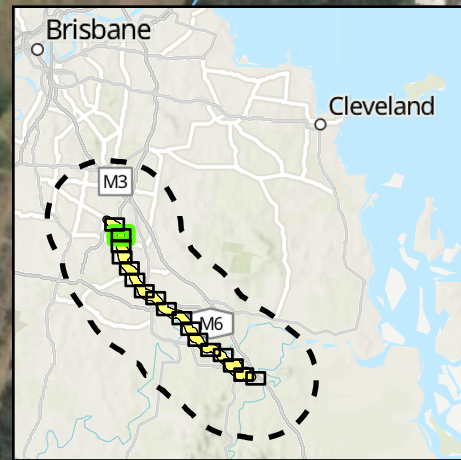
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Figure 10 Wetlands and watercourses

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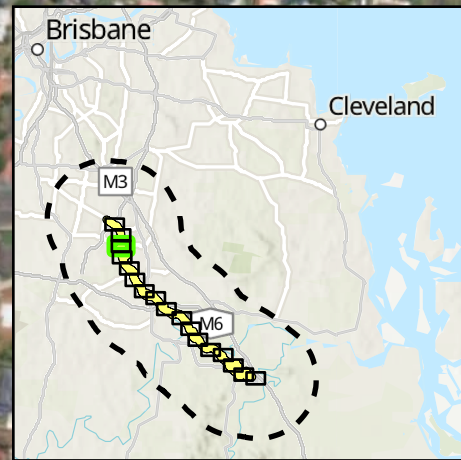
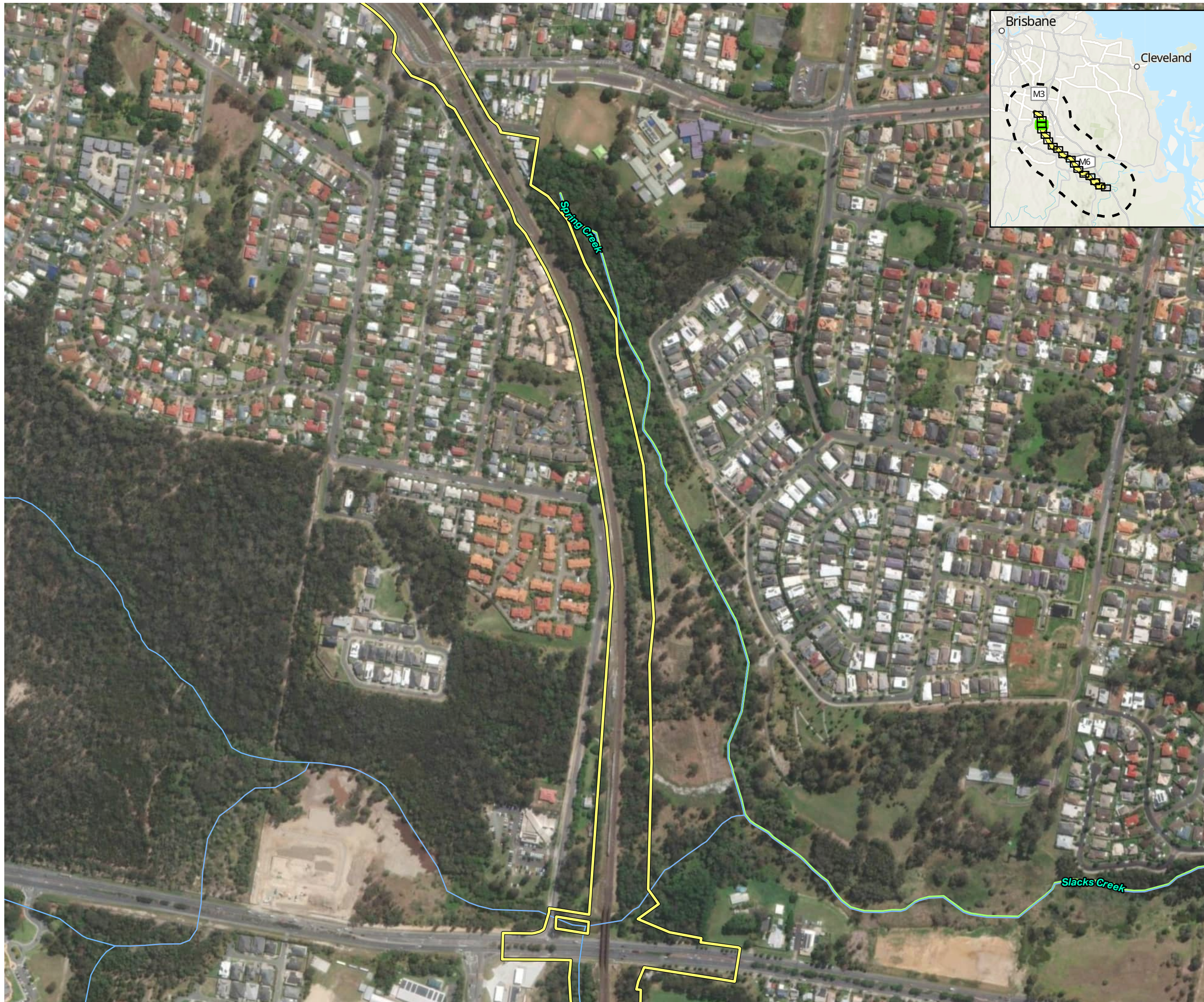
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Figure 10 Wetlands and watercourses

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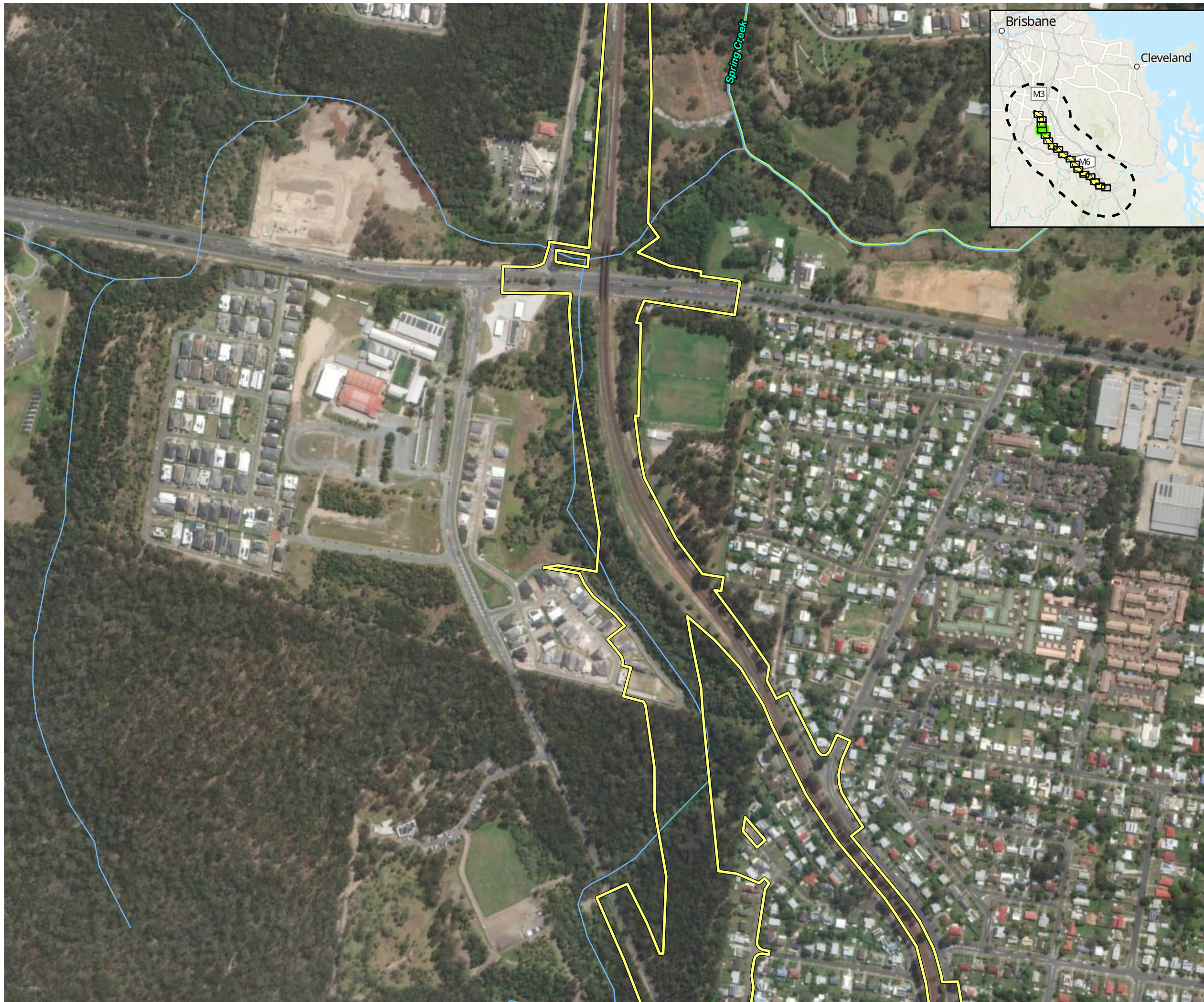
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Figure 10 Wetlands and watercourses

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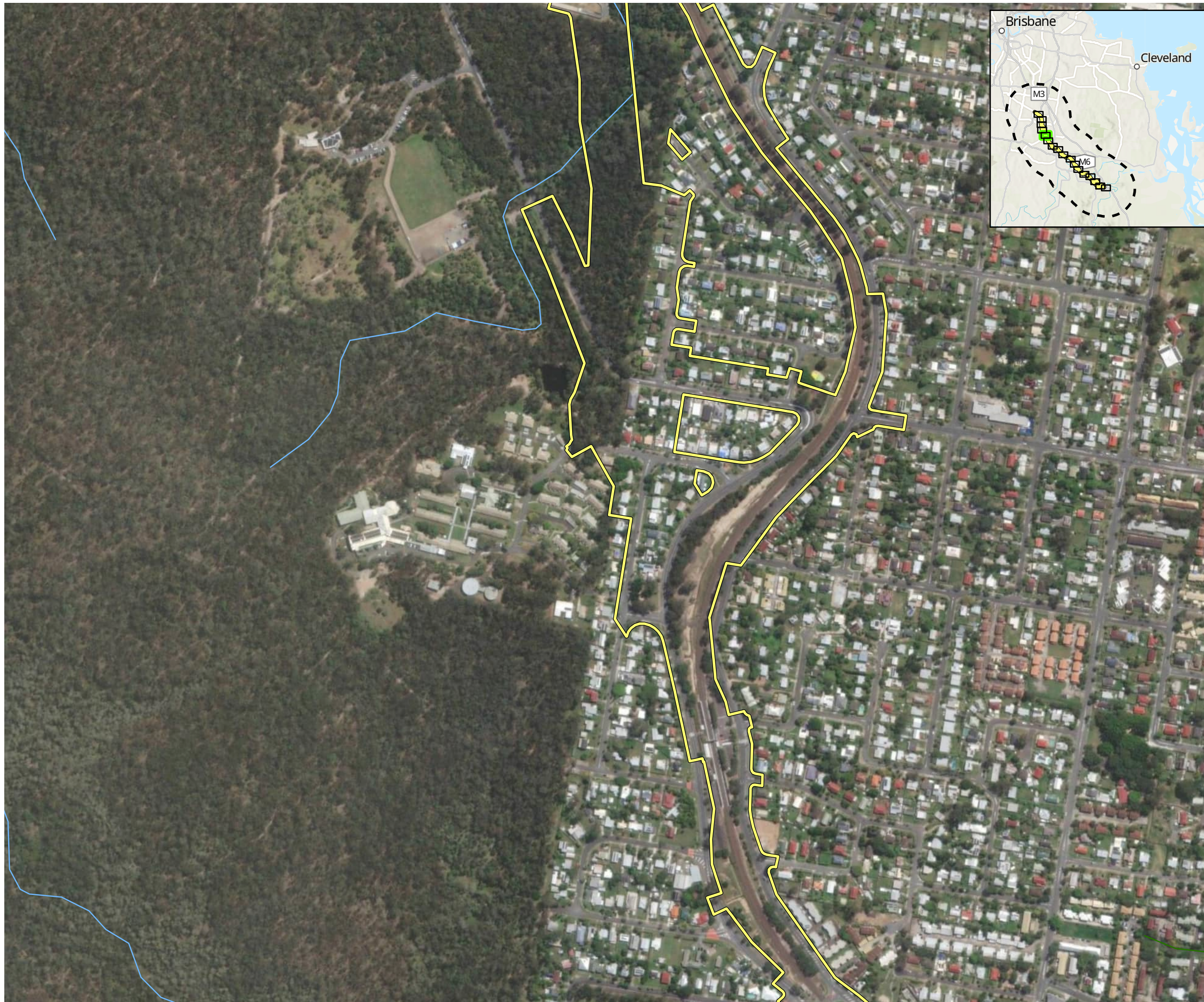
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Figure 10 Wetlands and watercourses

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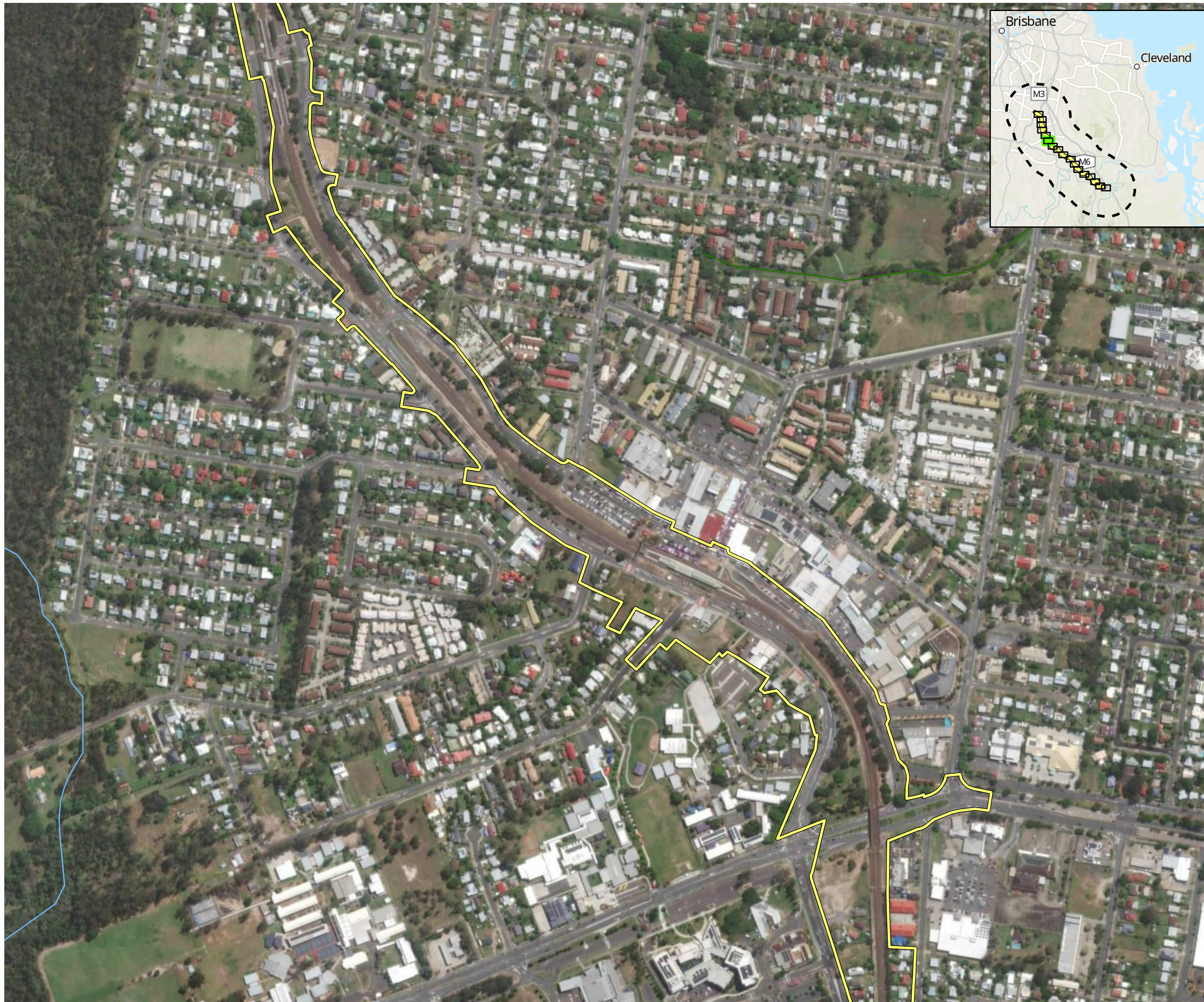
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Figure 10 Wetlands and watercourses

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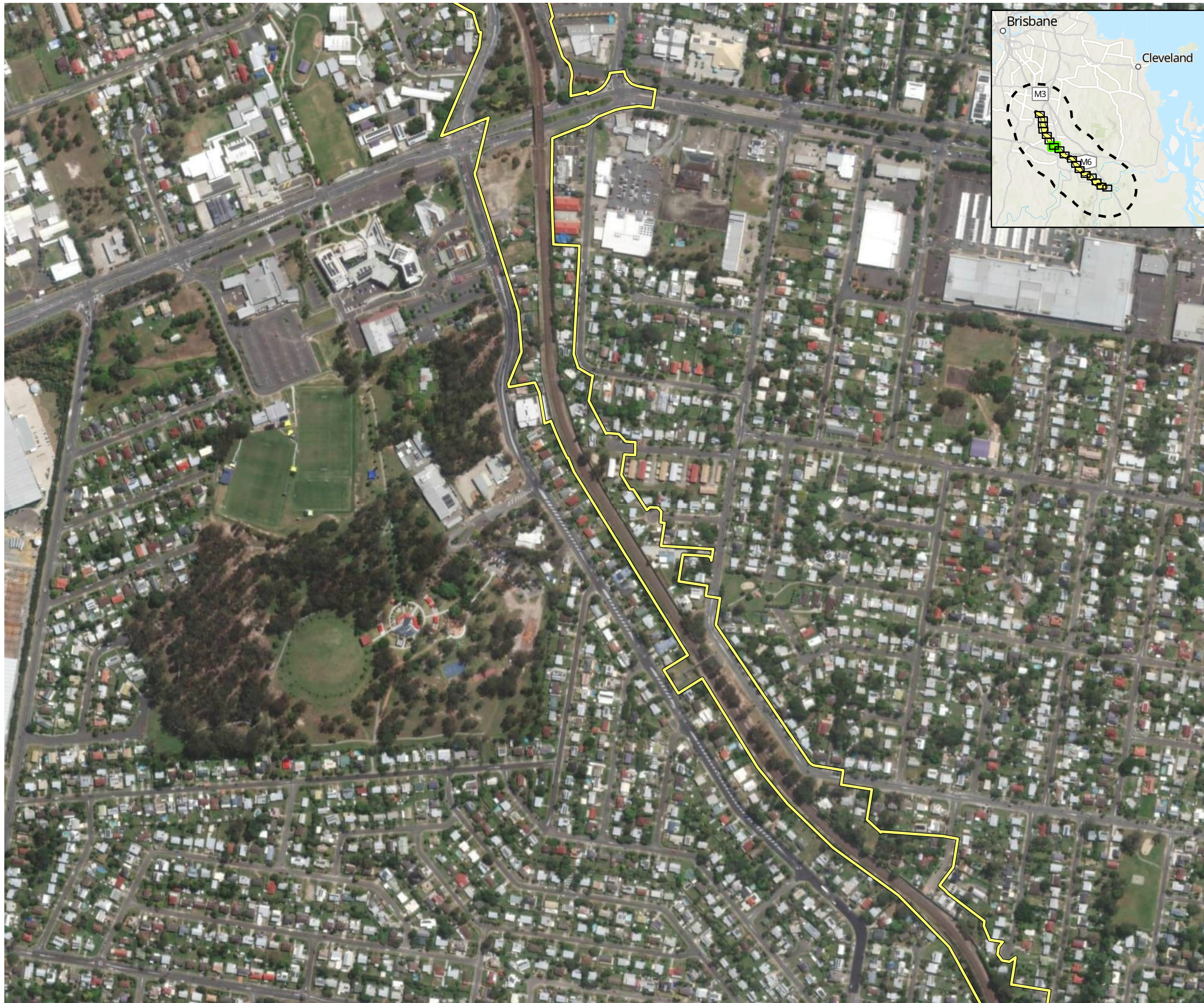
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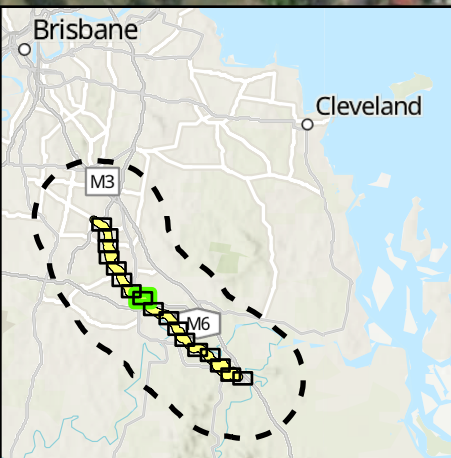
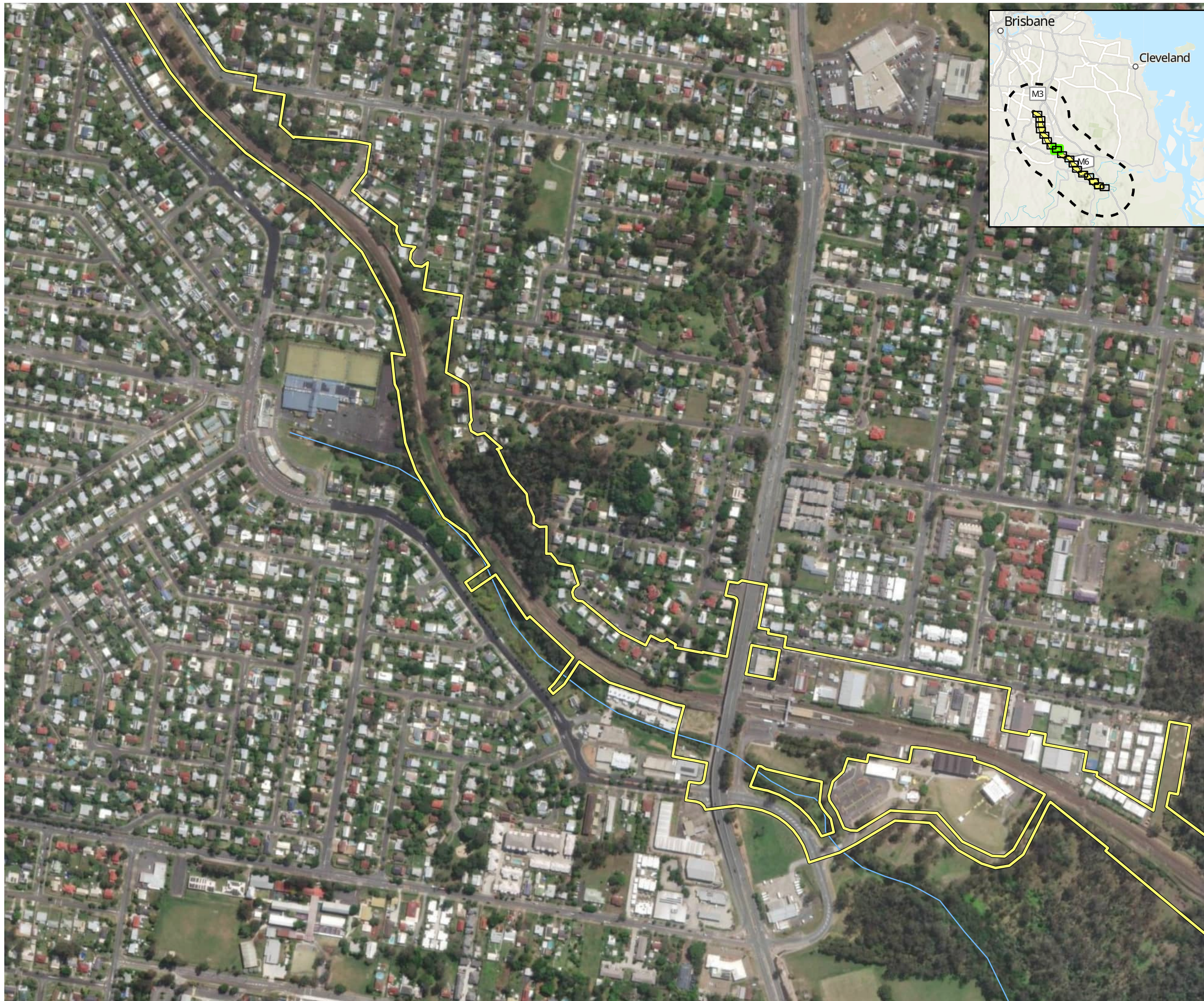
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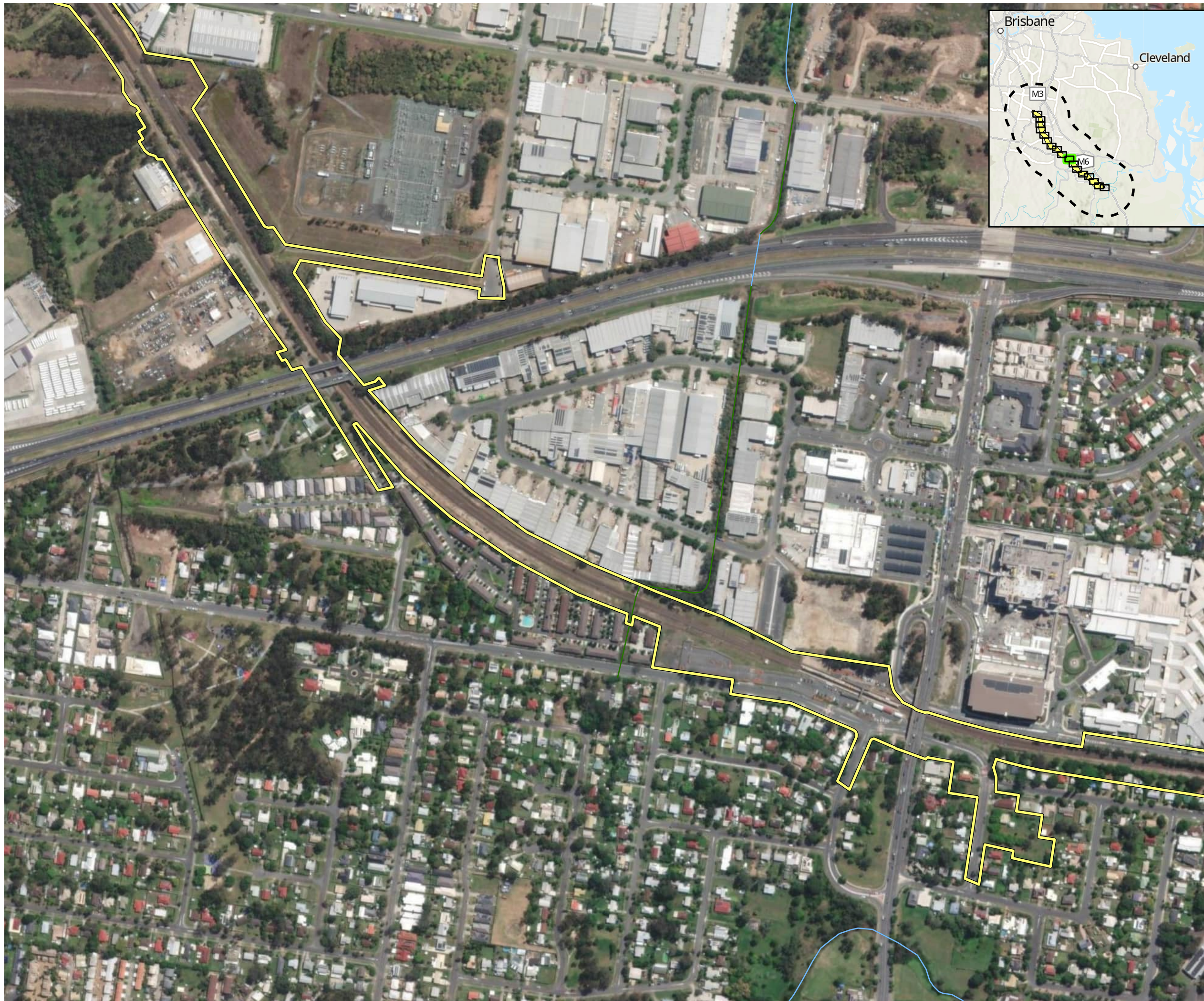
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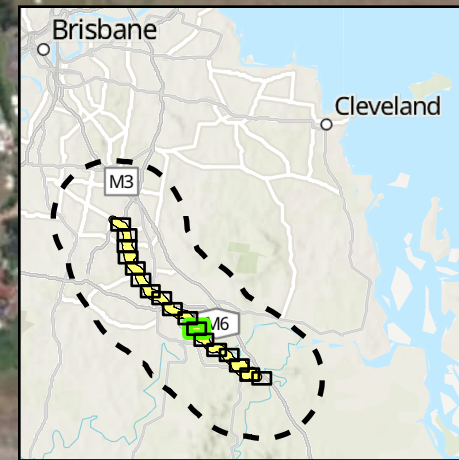
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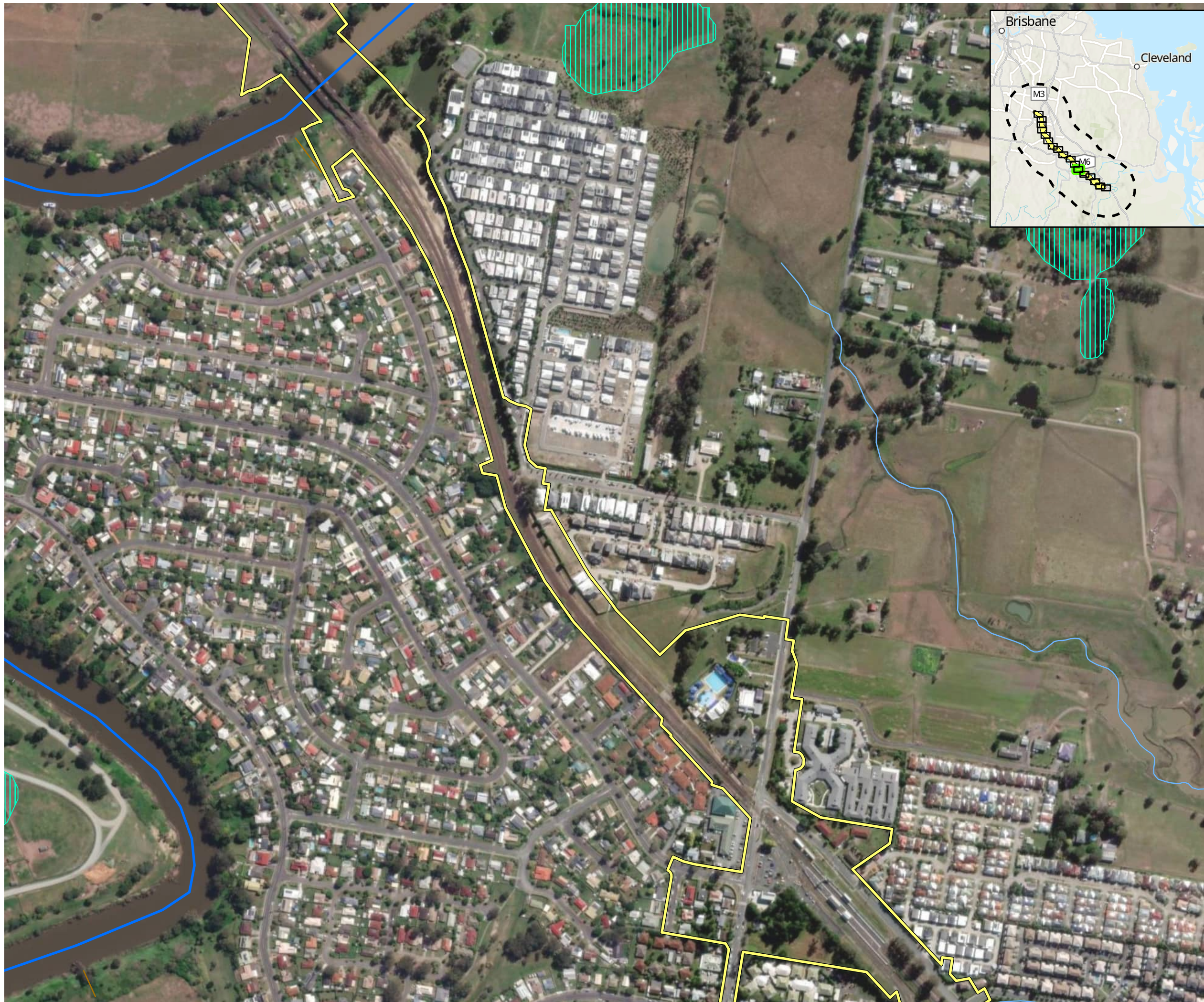
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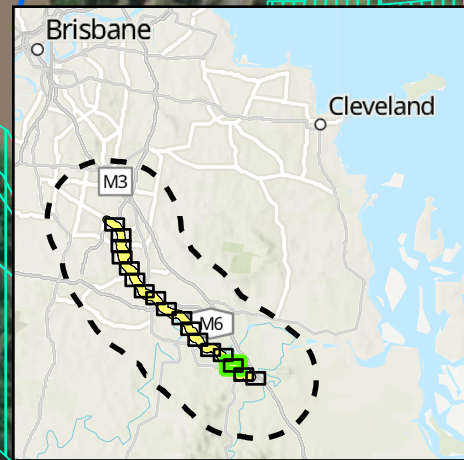
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- Impact area
- Watercourse (major)
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- Fish passage waterway – *Queensland Fisheries Act 1994***
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- Major
- Major (tidal)

Figure 10 Wetlands and watercourses

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Project: Logan and Gold Coast Faster Rail
Report: Preliminary Documentation - Supplementary MNES Report
Client: Department of Transport and Main Roads
Project Number: 60681907
Date: 12/02/2025

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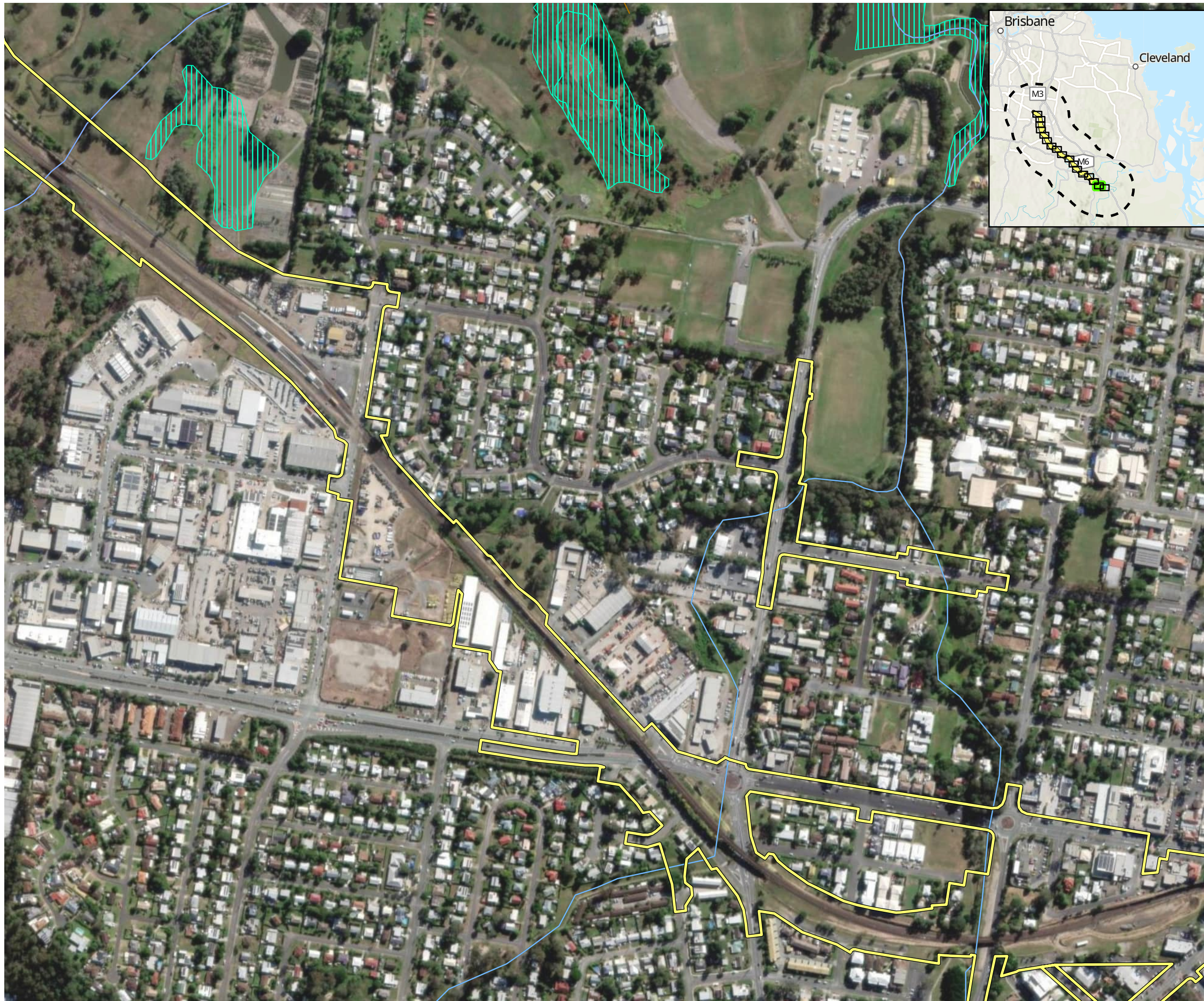
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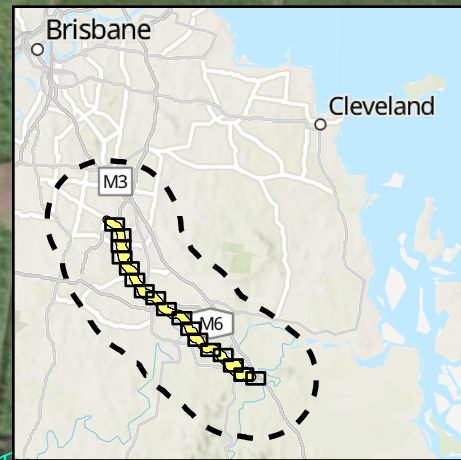
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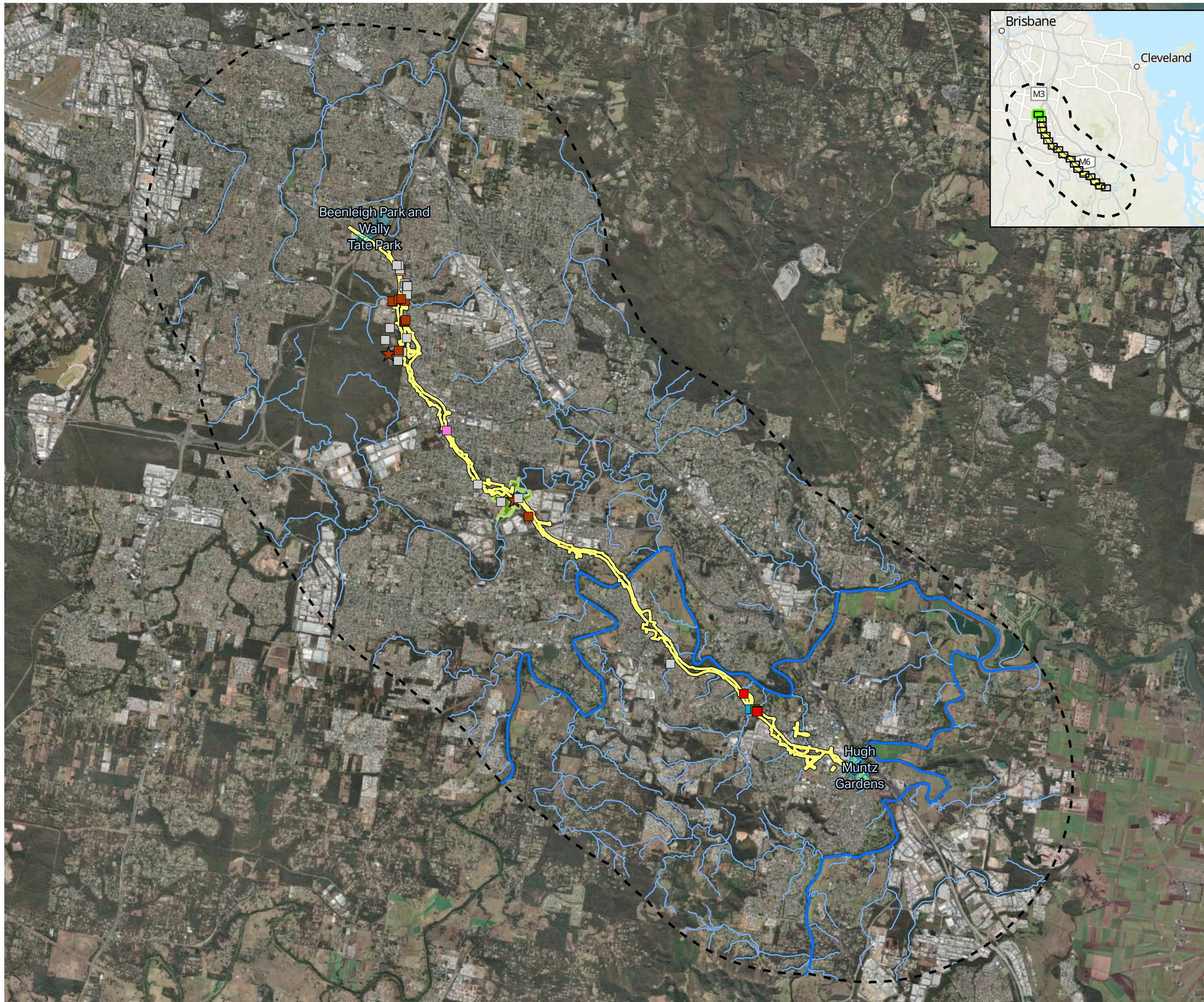
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Species observations (EVE, 2023)

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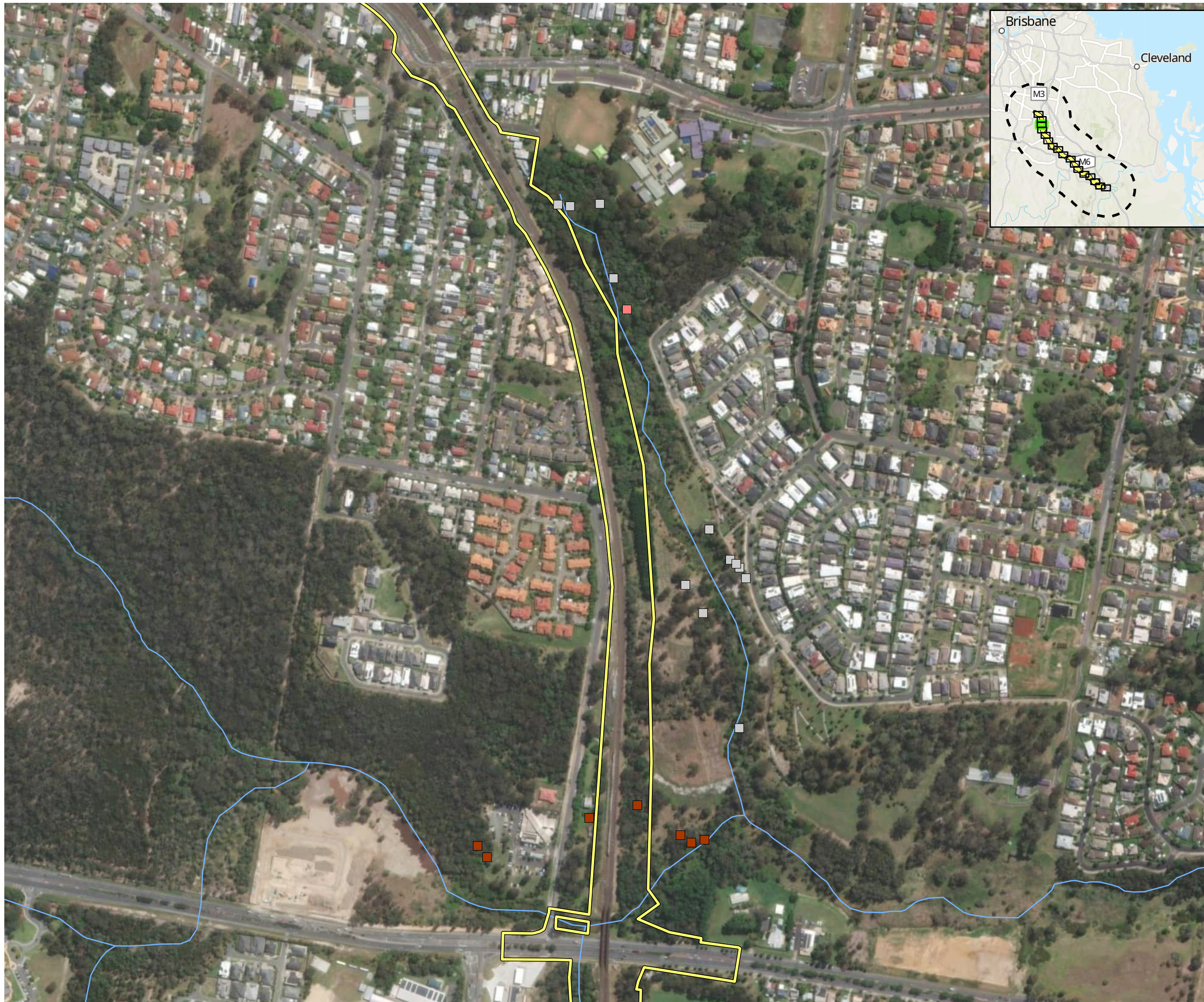
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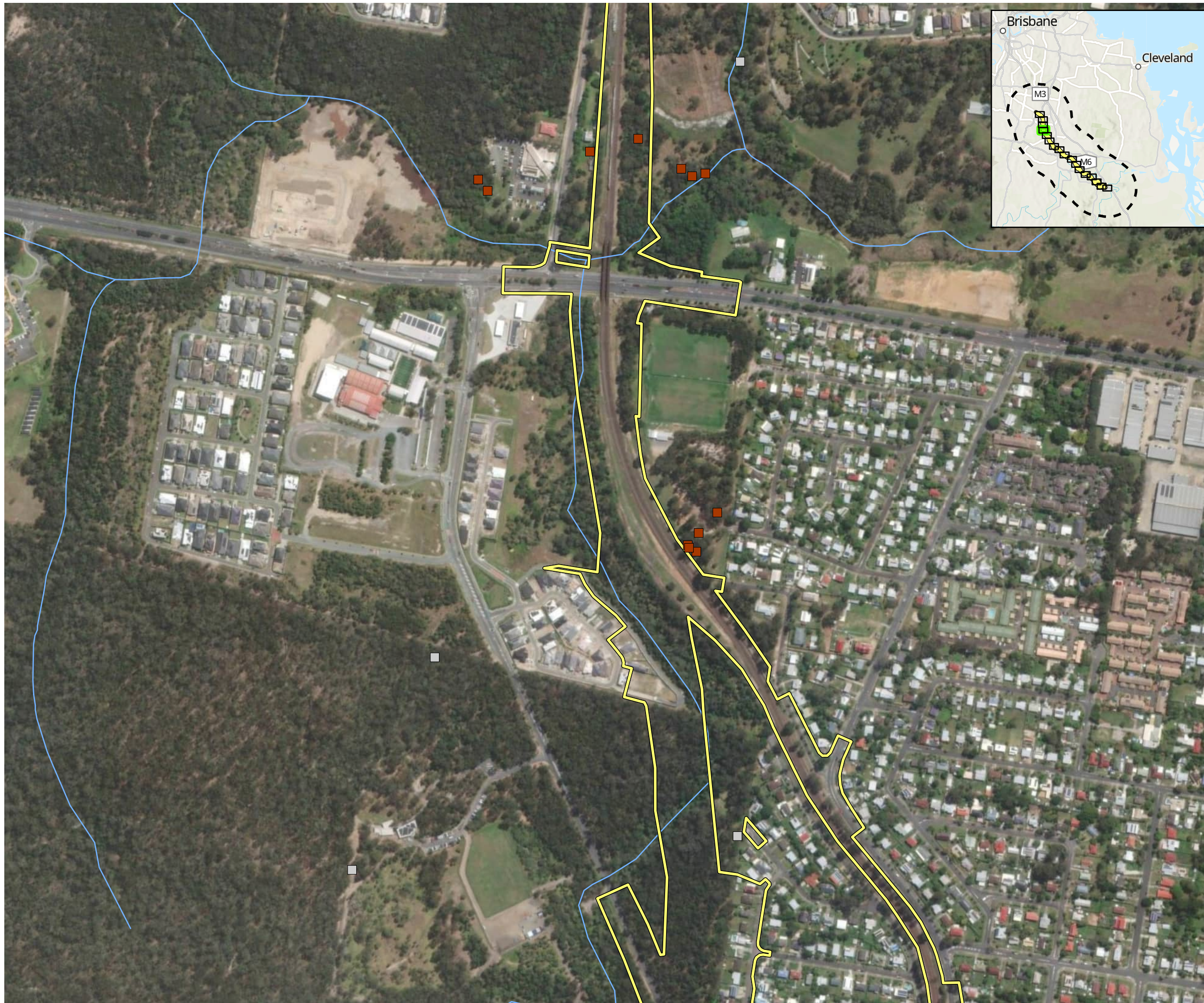
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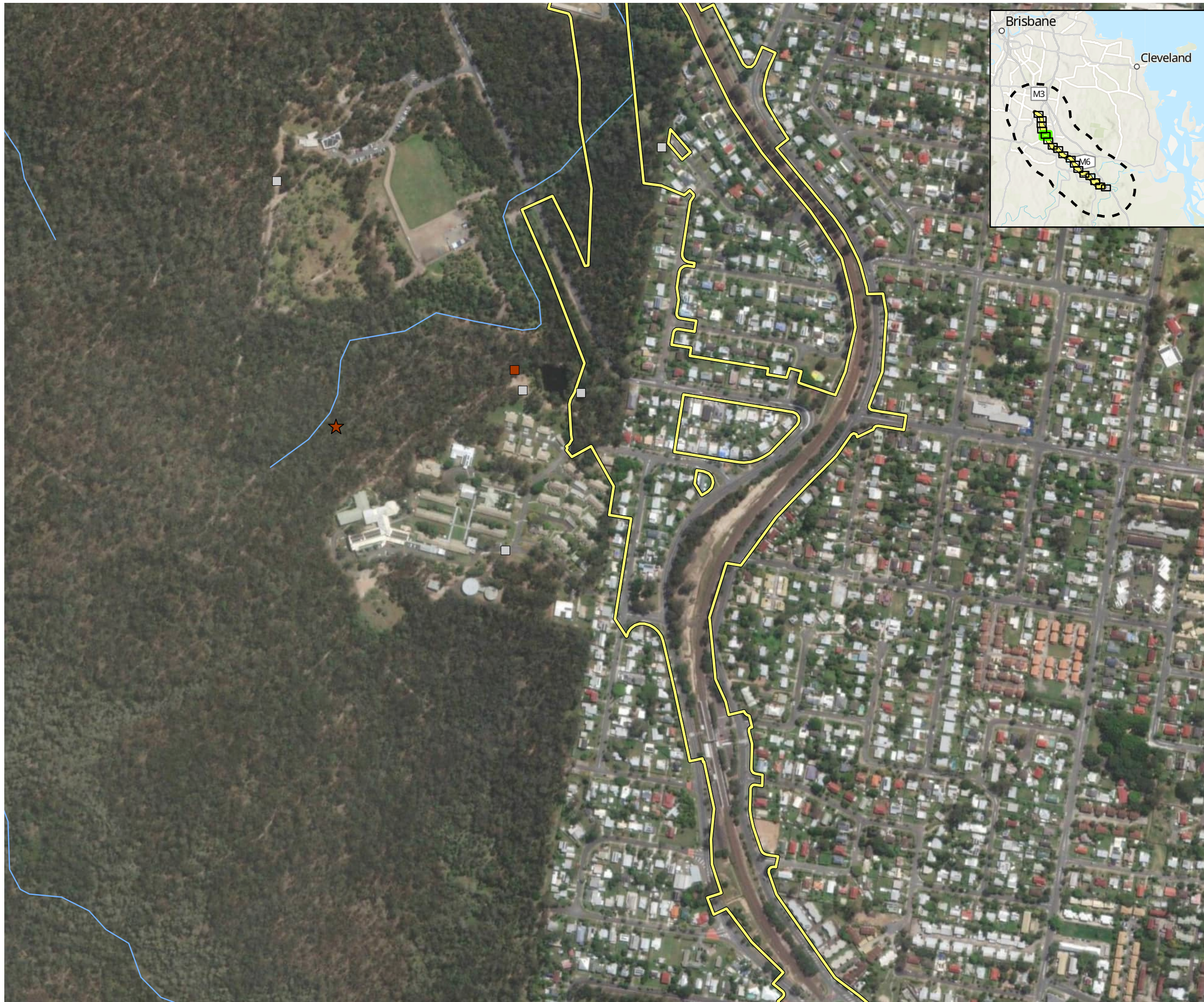
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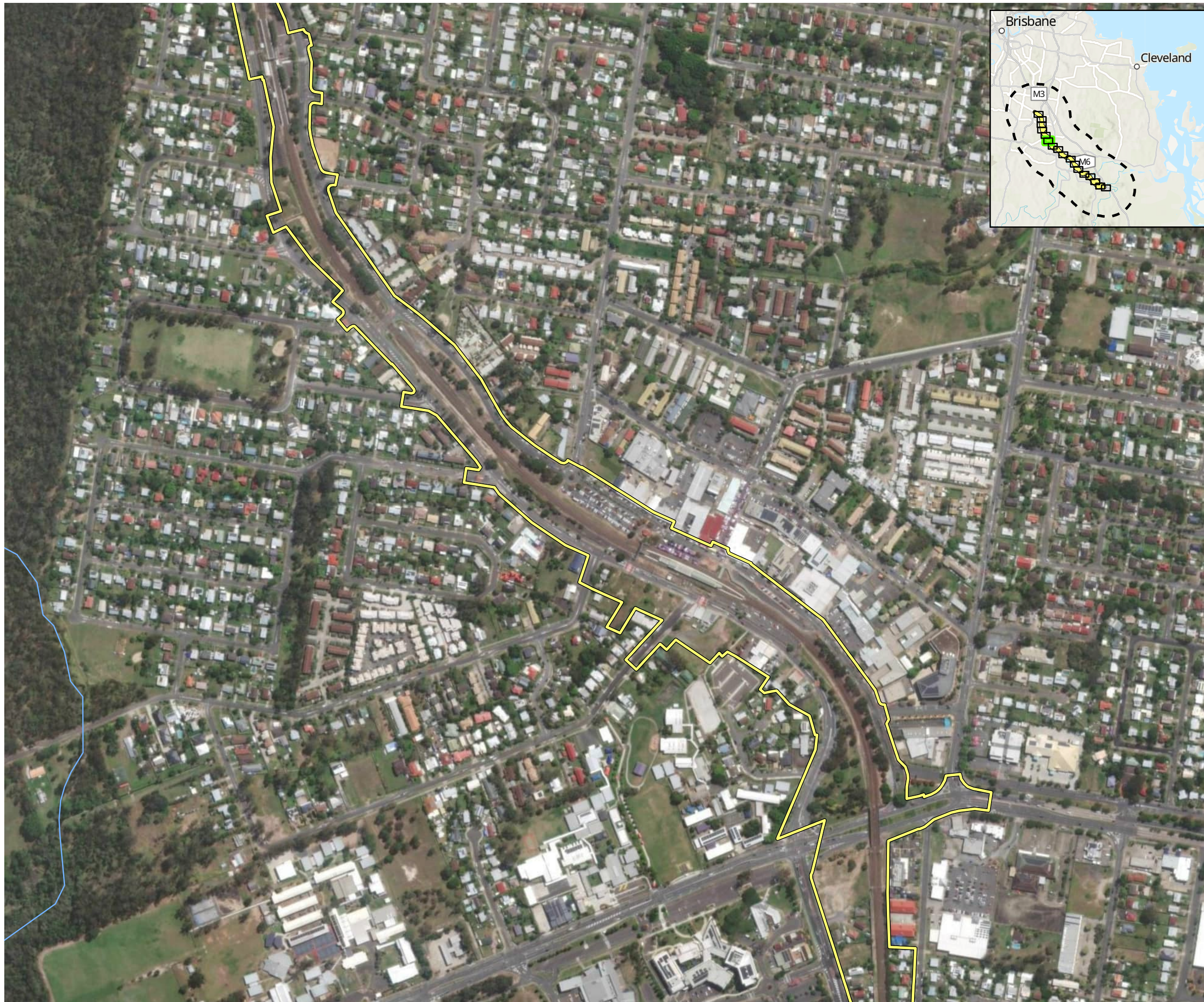
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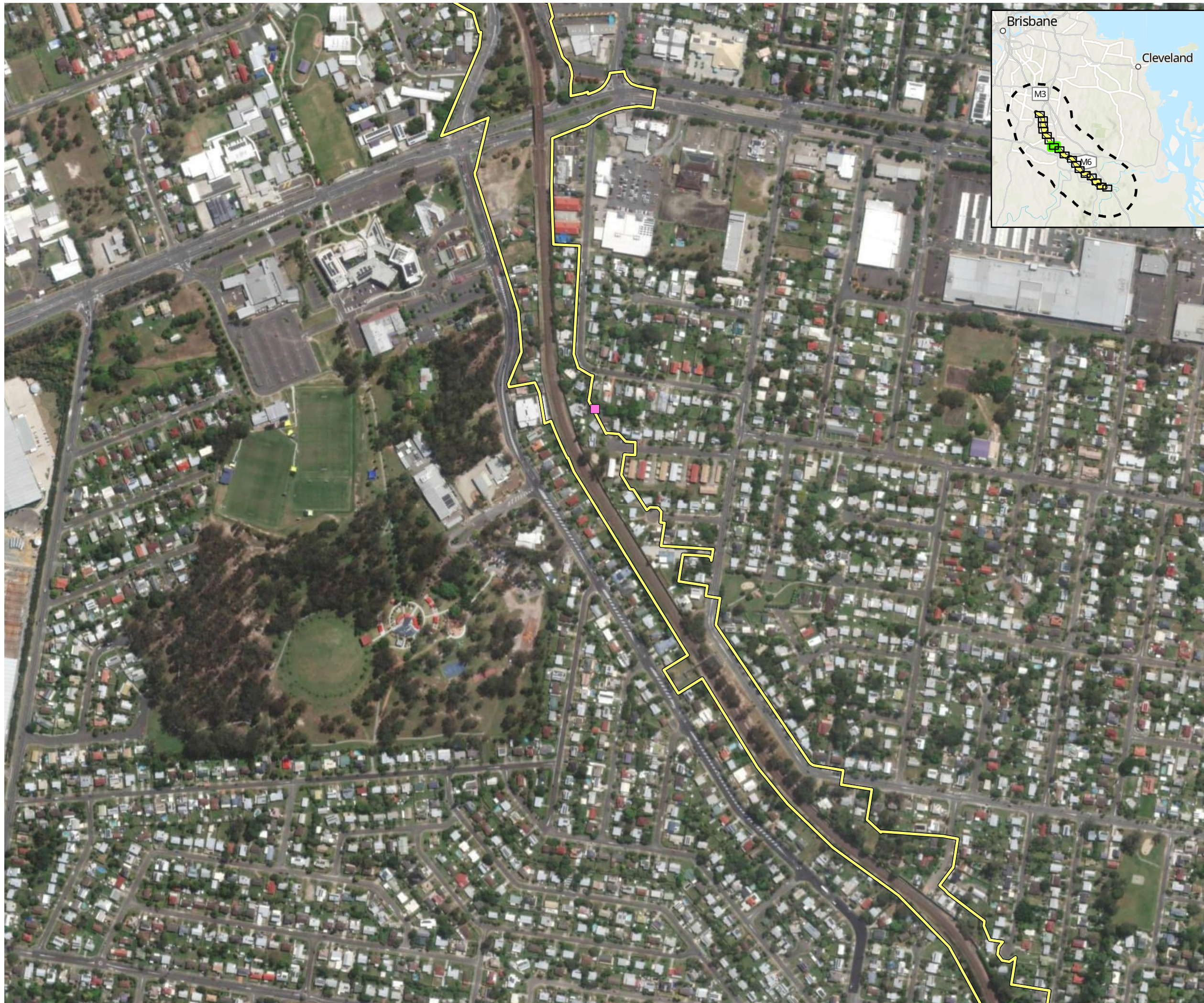
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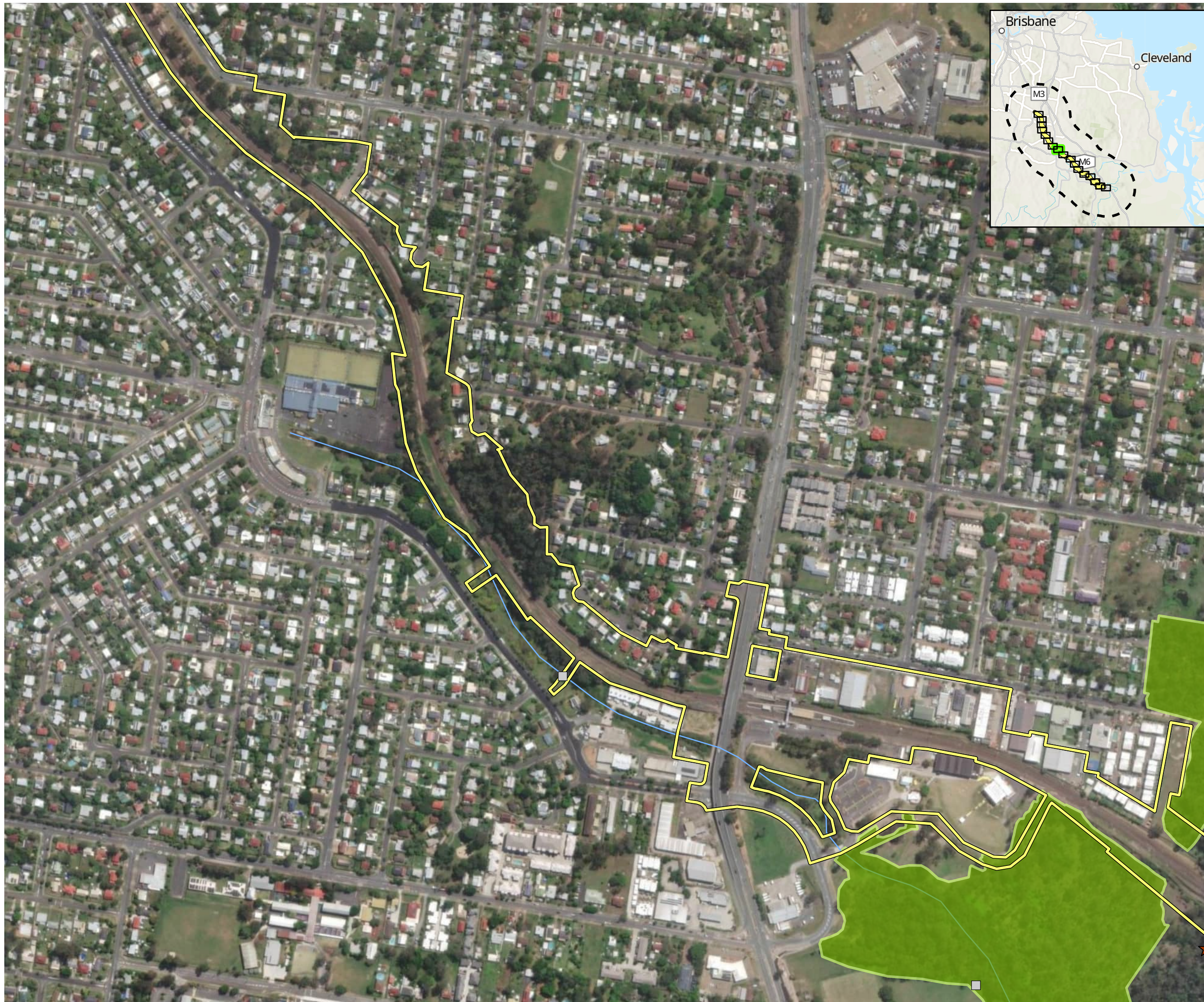
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Figure 11 Targeted field survey results

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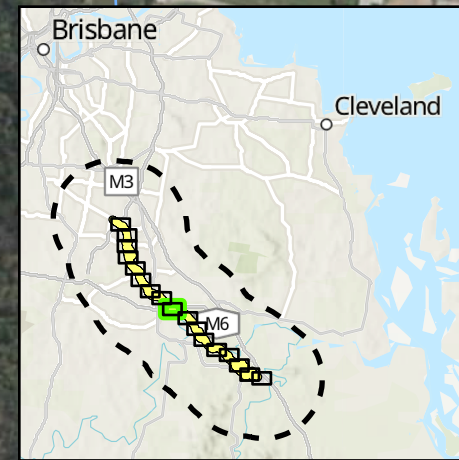
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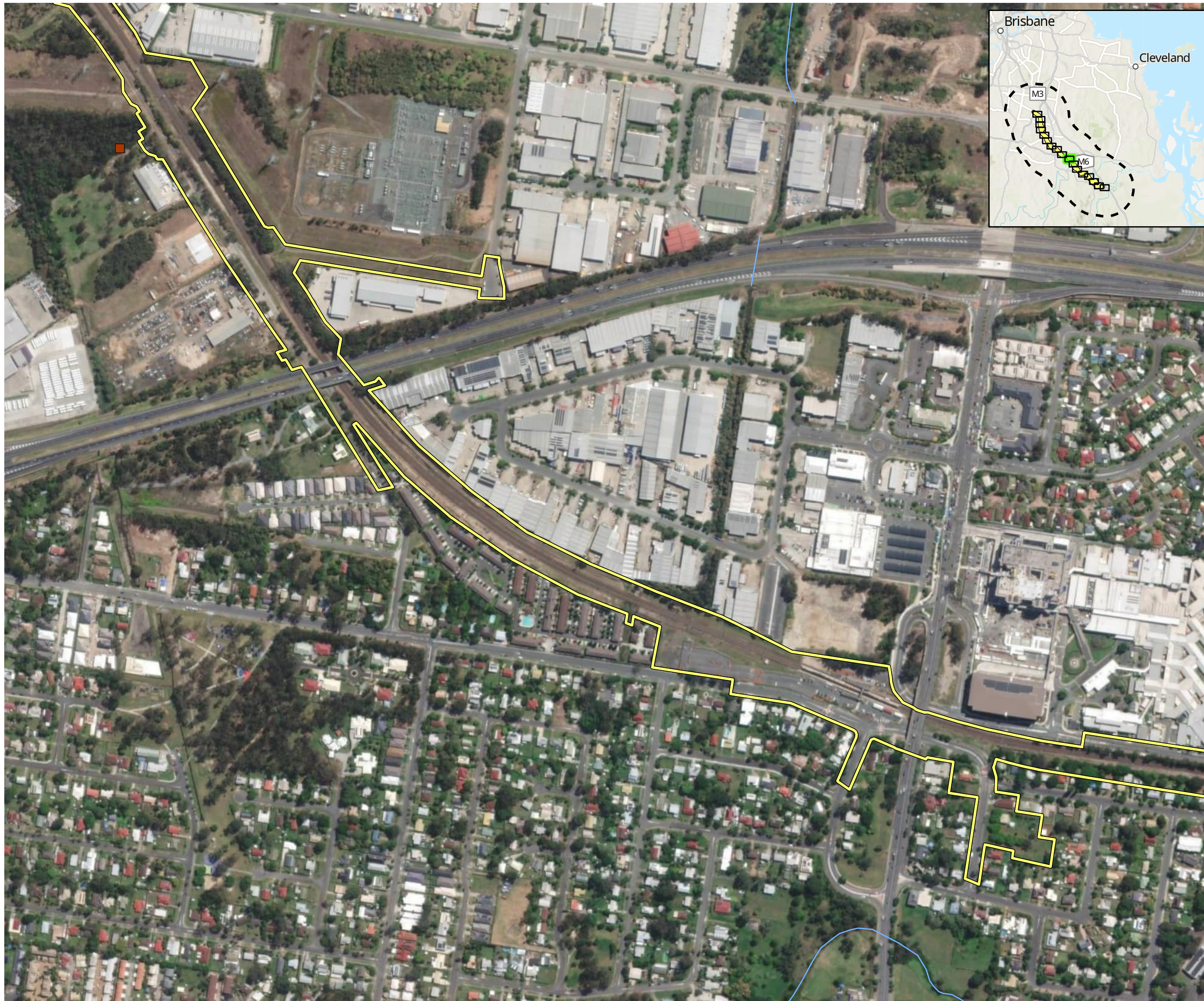
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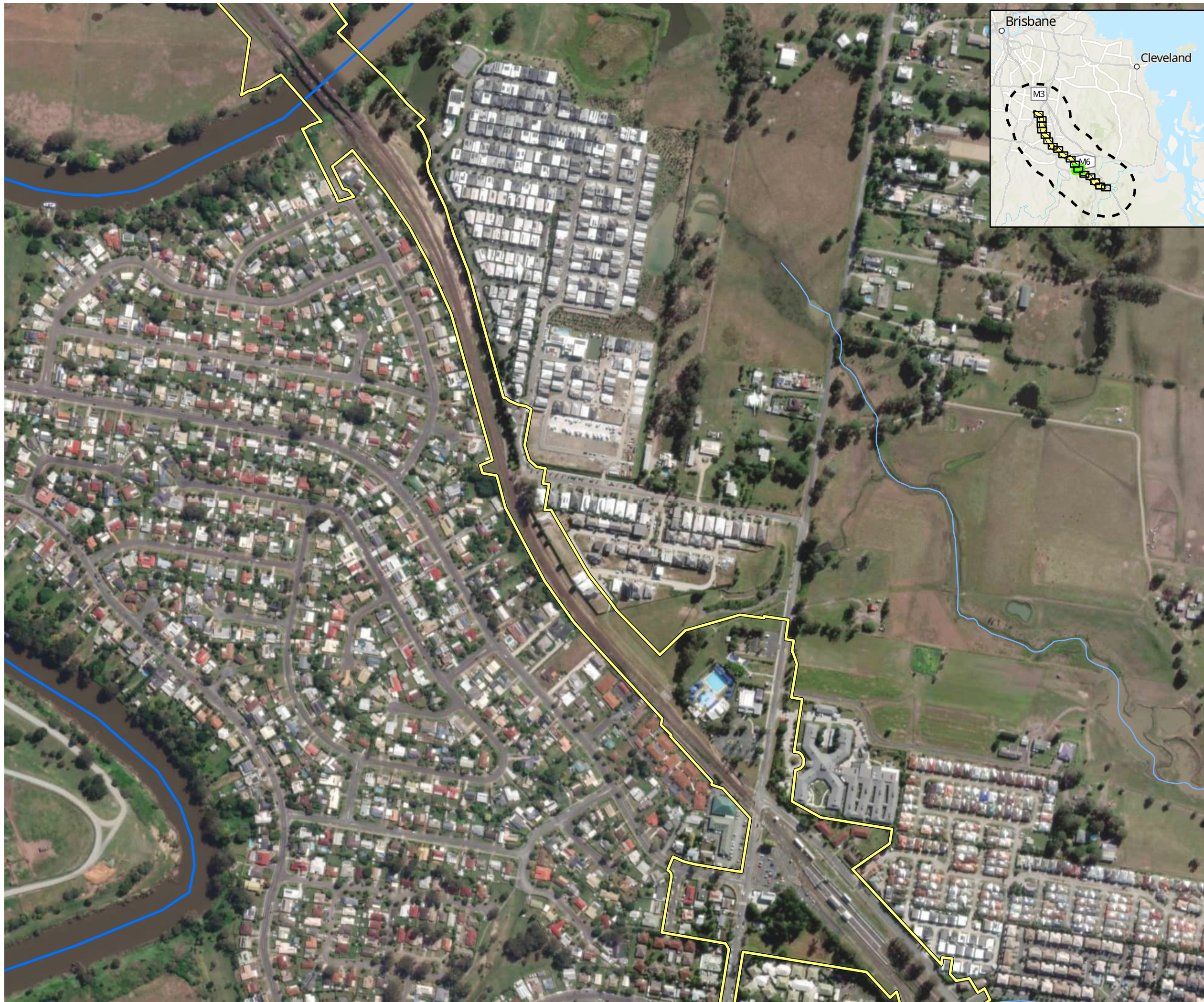
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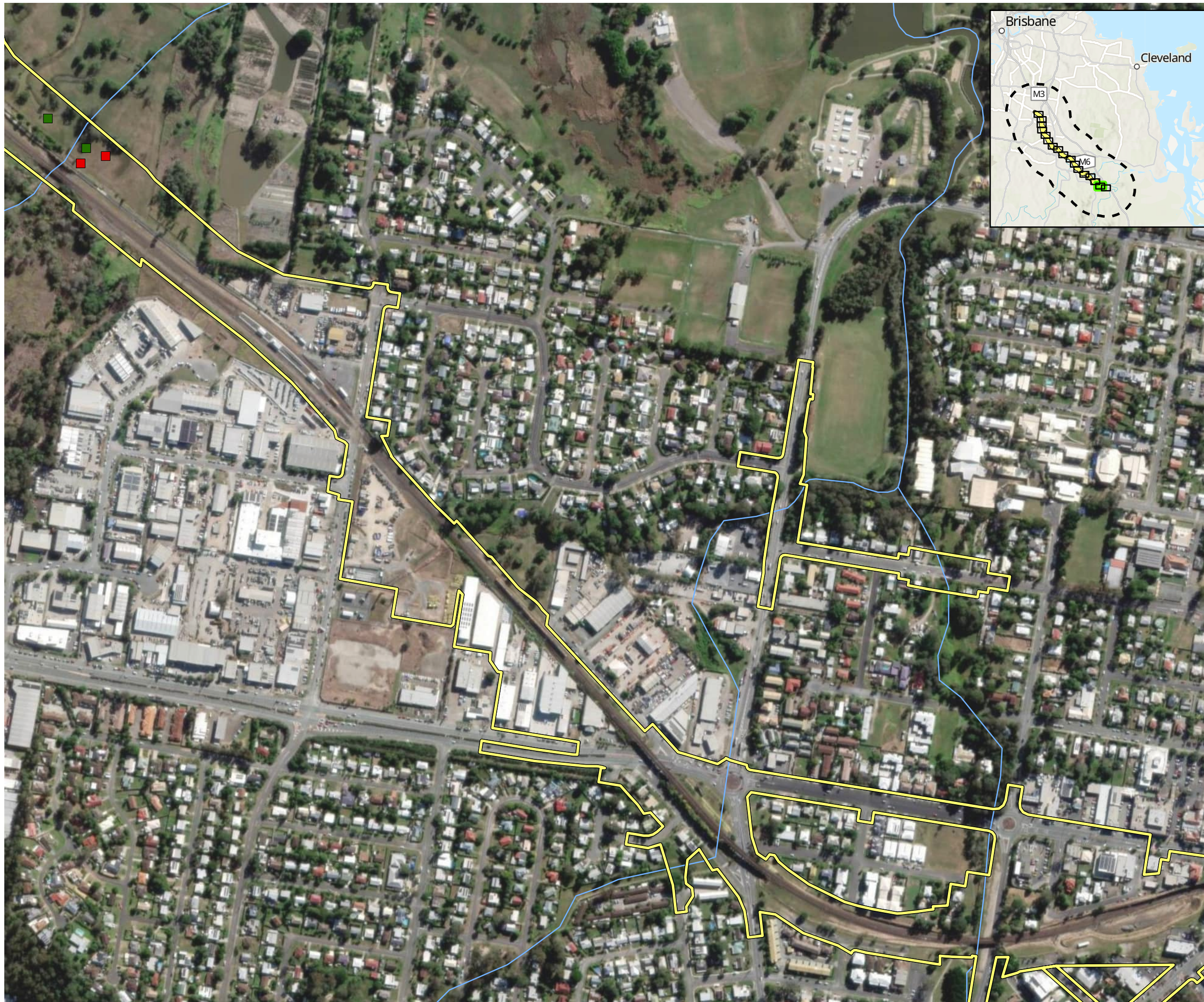
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- Ground truthed fauna movement corridor (AECOM, 2024)

Species observations (AECOM, 2024)

- Glossy ibis
- Koala scats or scratches
- Grey-headed flying fox
- Spectacled monarch
- Latham's snipe
- Angle-stemmed myrtle
- Macadamia nut

Species observations (EVE, 2023)

- Koala

Figure 11 Targeted field survey results



- Study area
- Impact area
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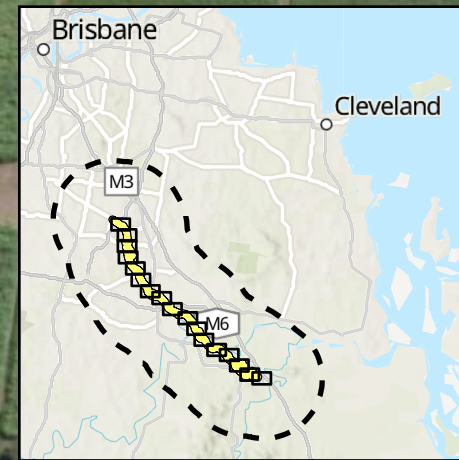
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Report: Preliminary Documentation - Supplementary MNES Report
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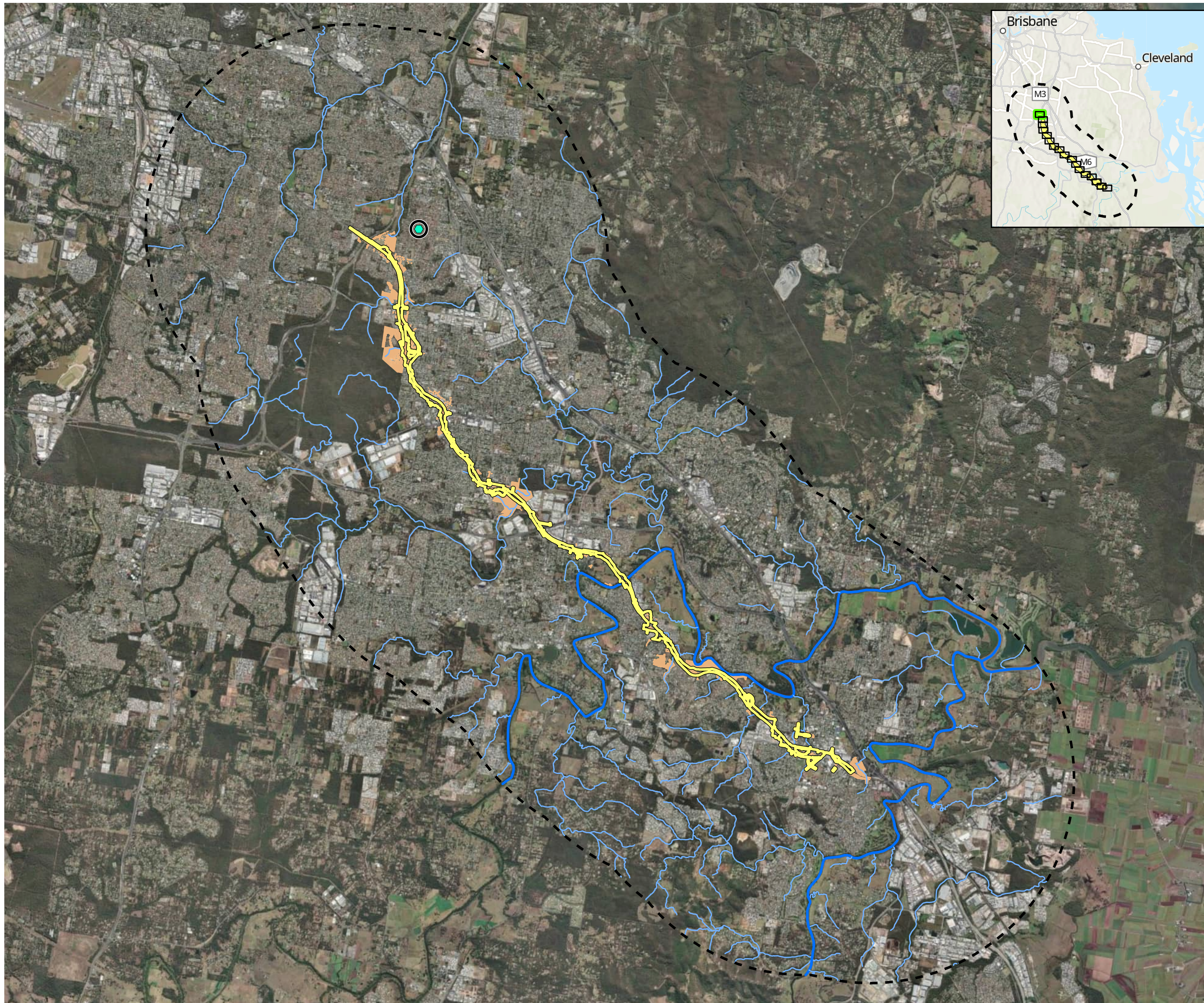
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Figure 12 Regent honeyeater habitat and records



- Study area
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- Foraging/Dispersal
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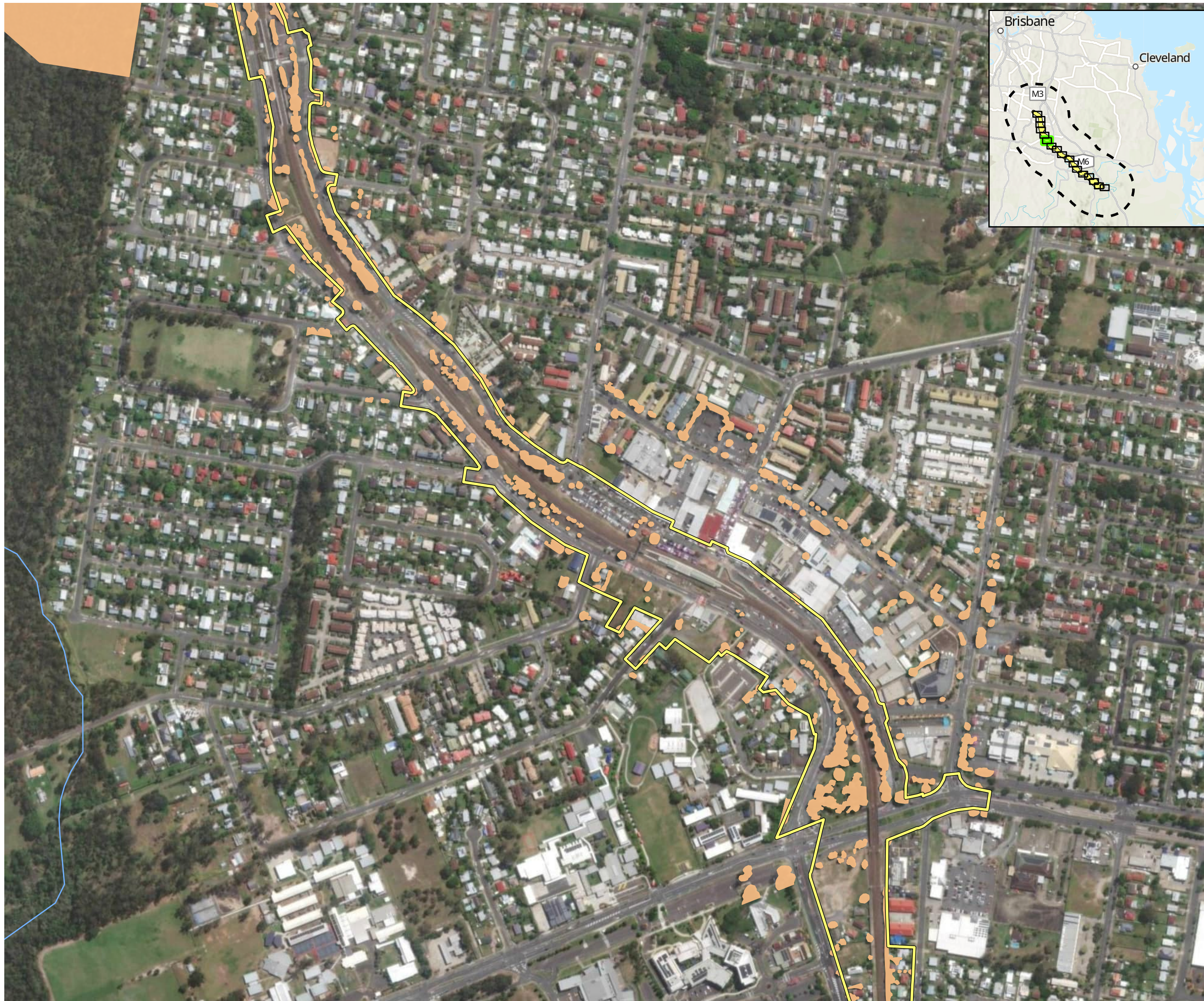
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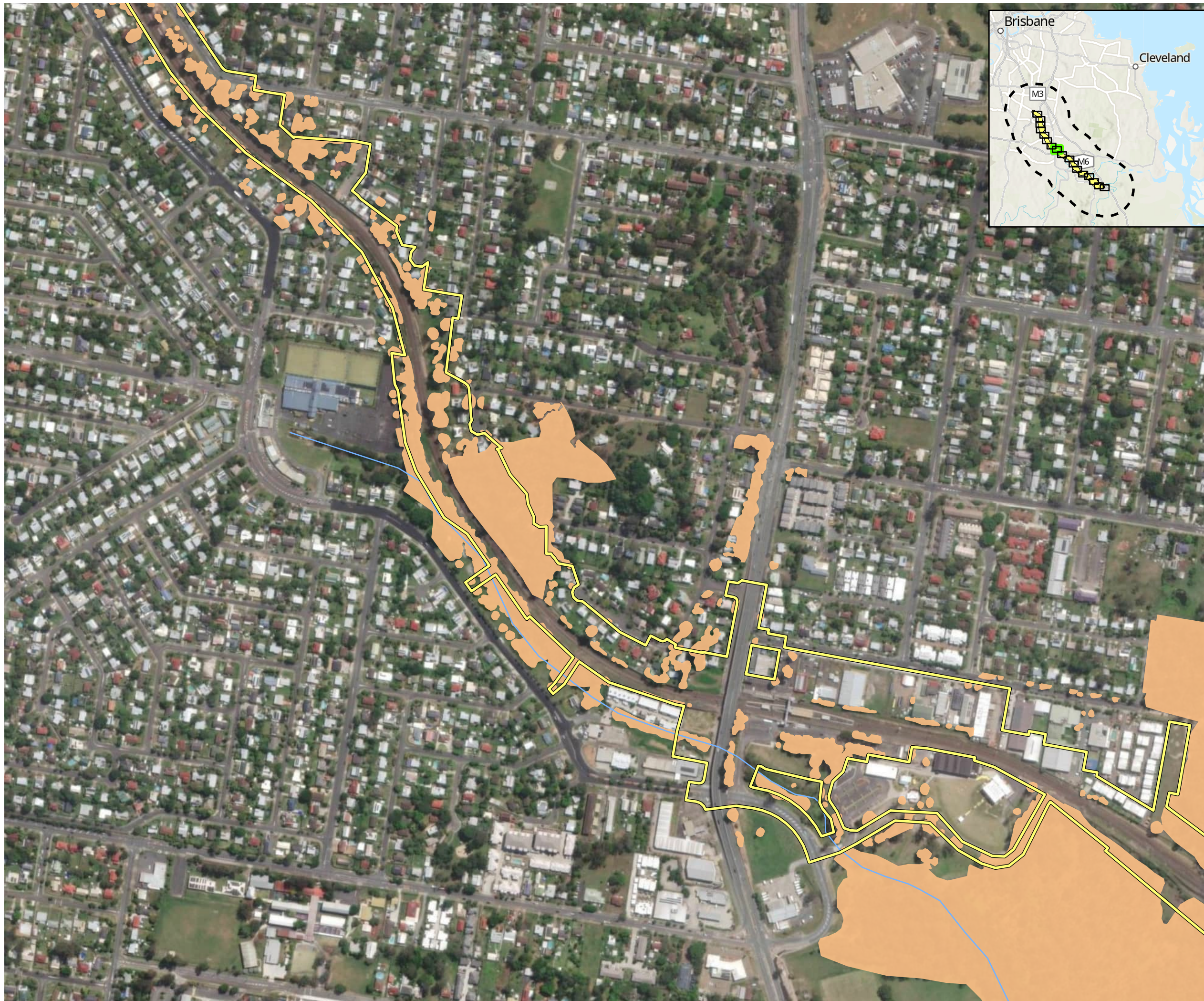
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Figure 12 Regent honeyeater habitat and records

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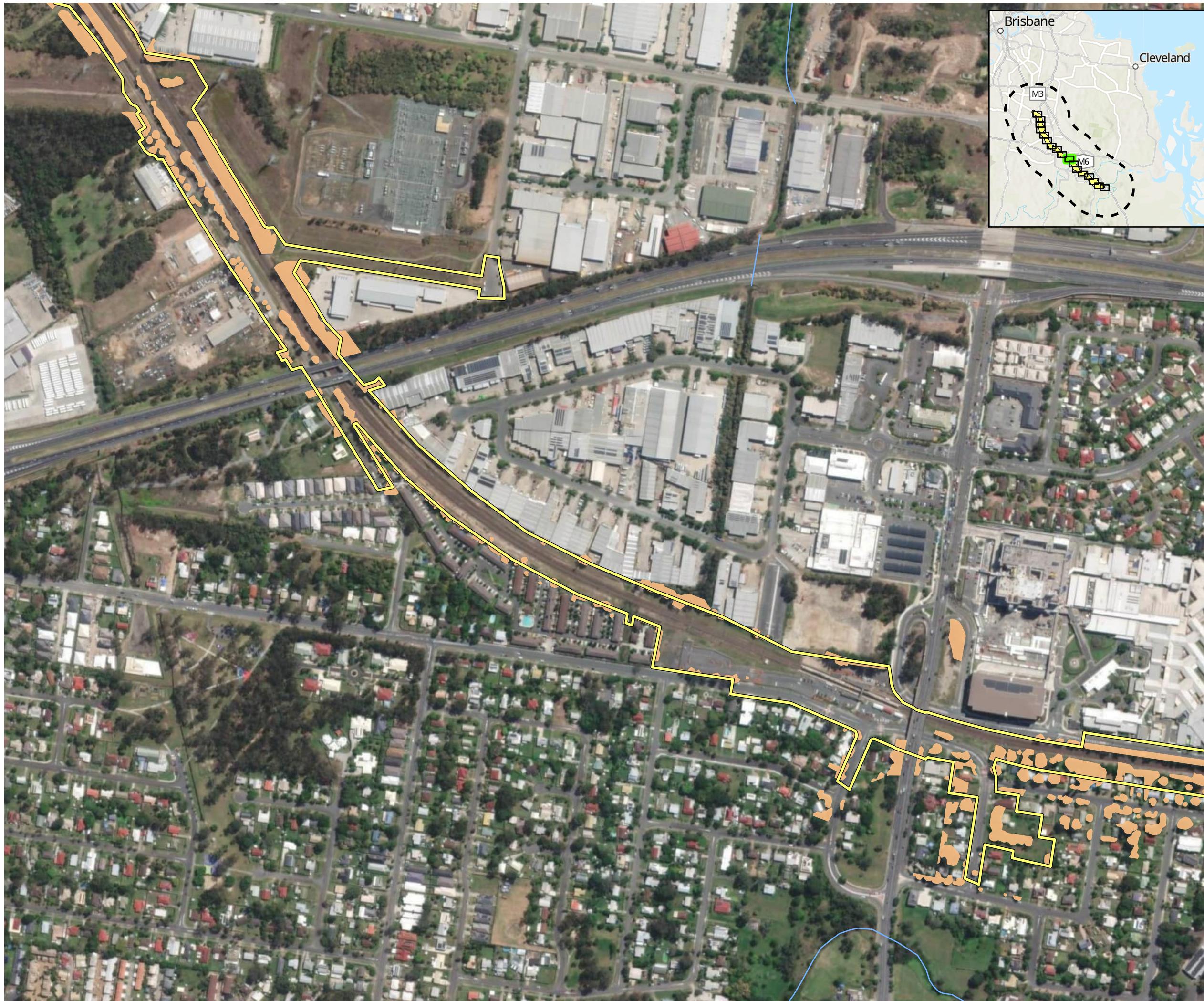
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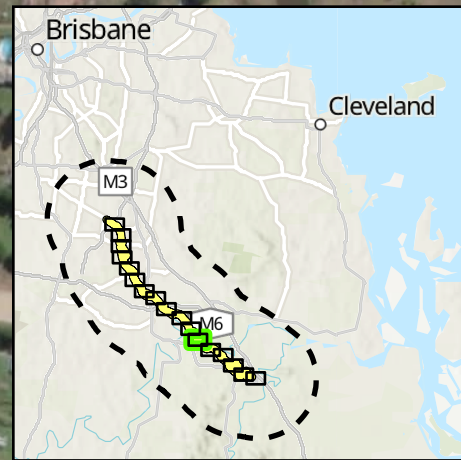
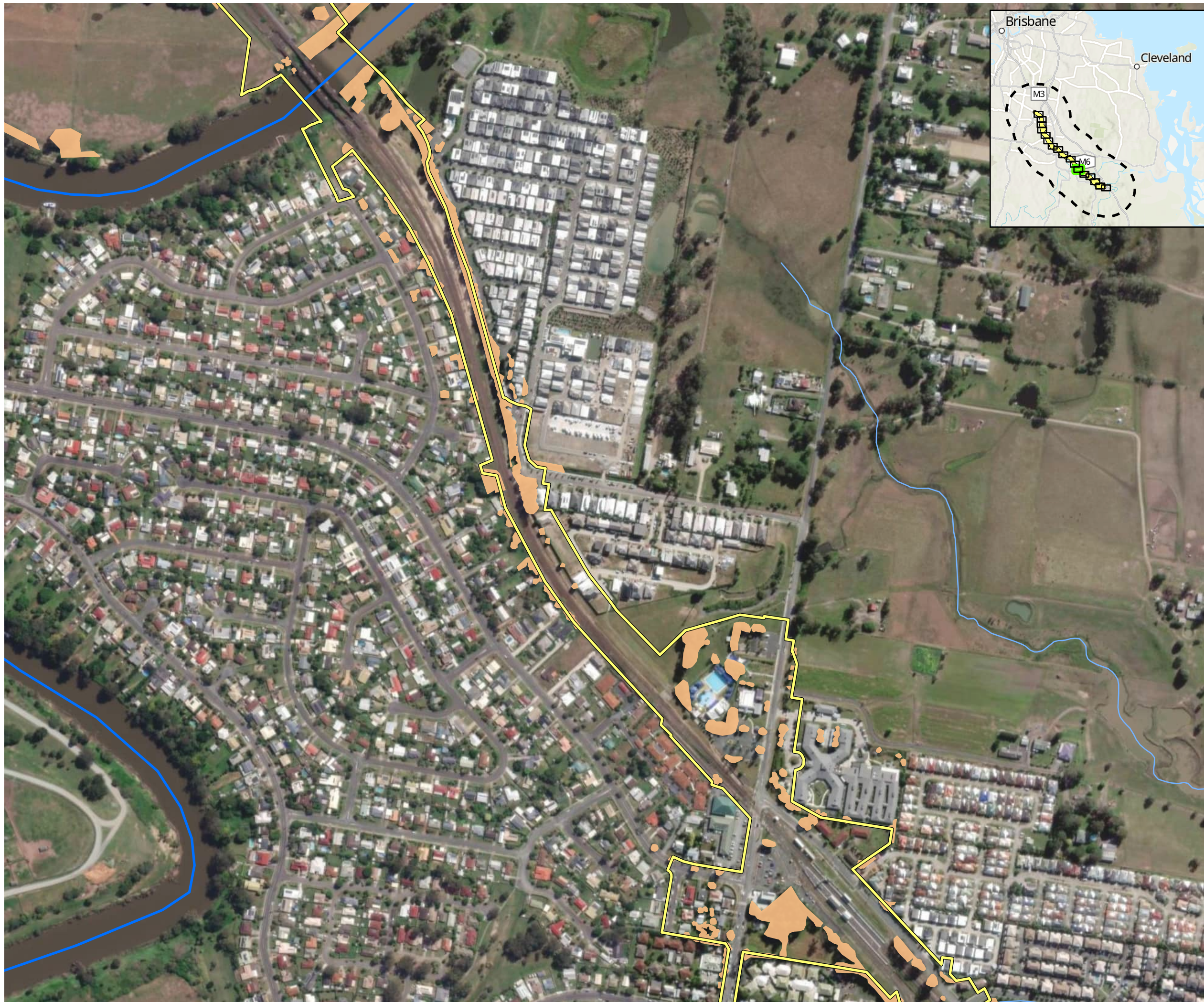
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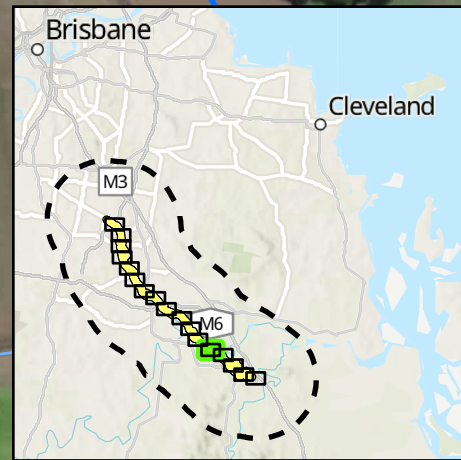
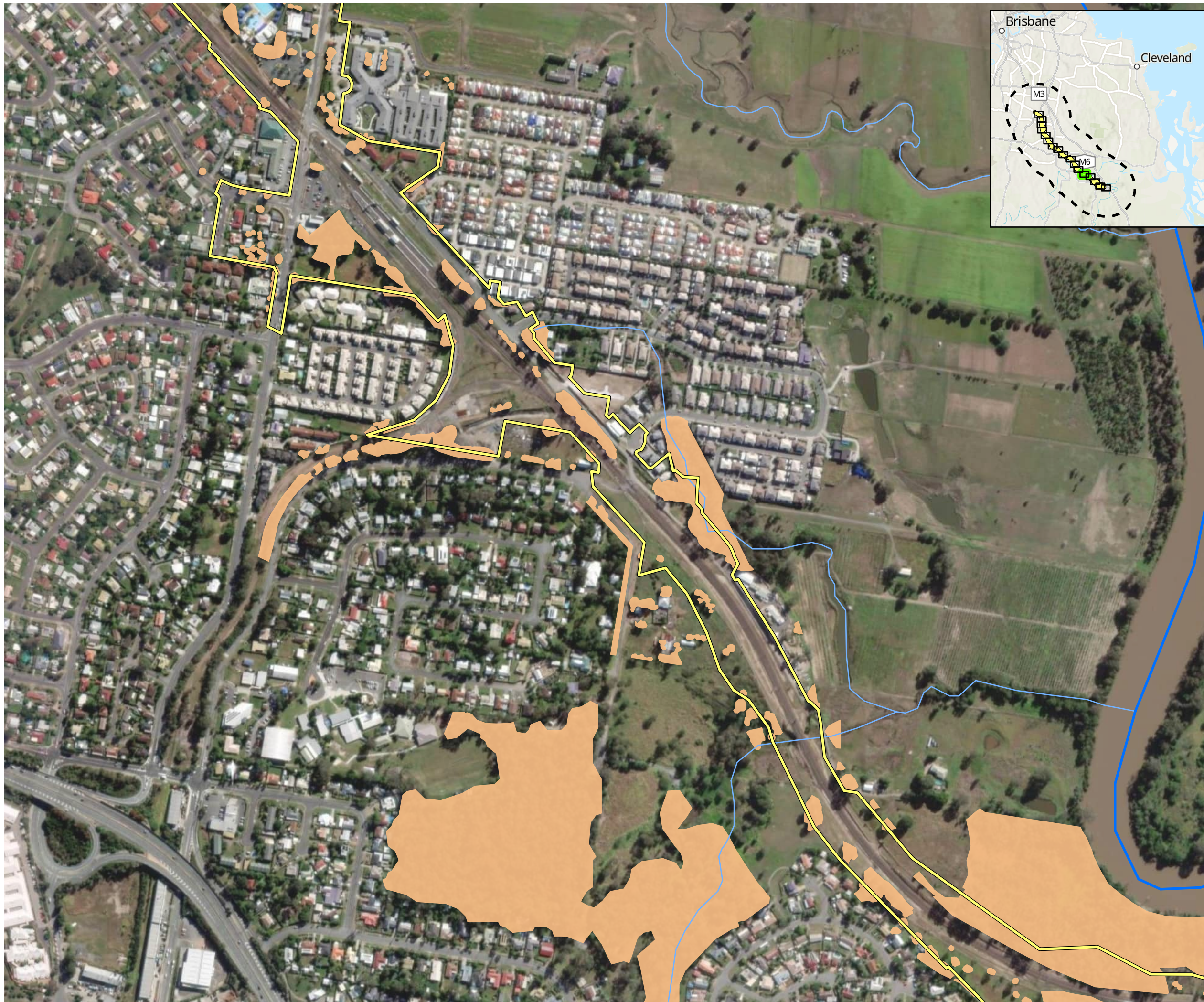
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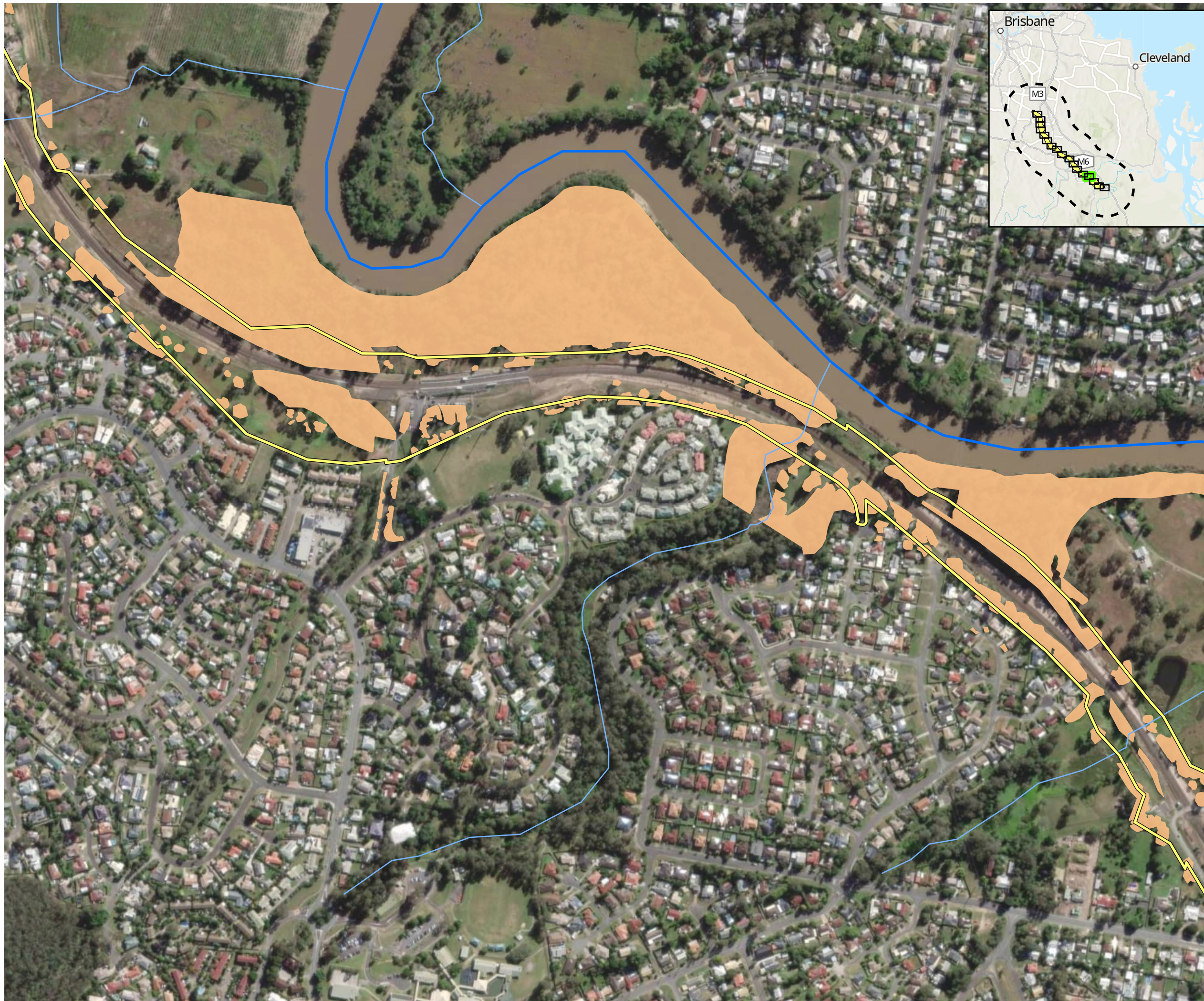
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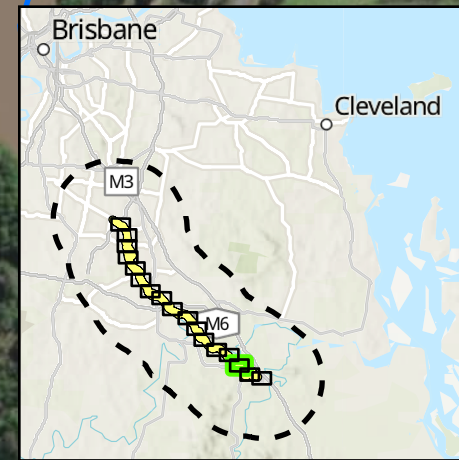
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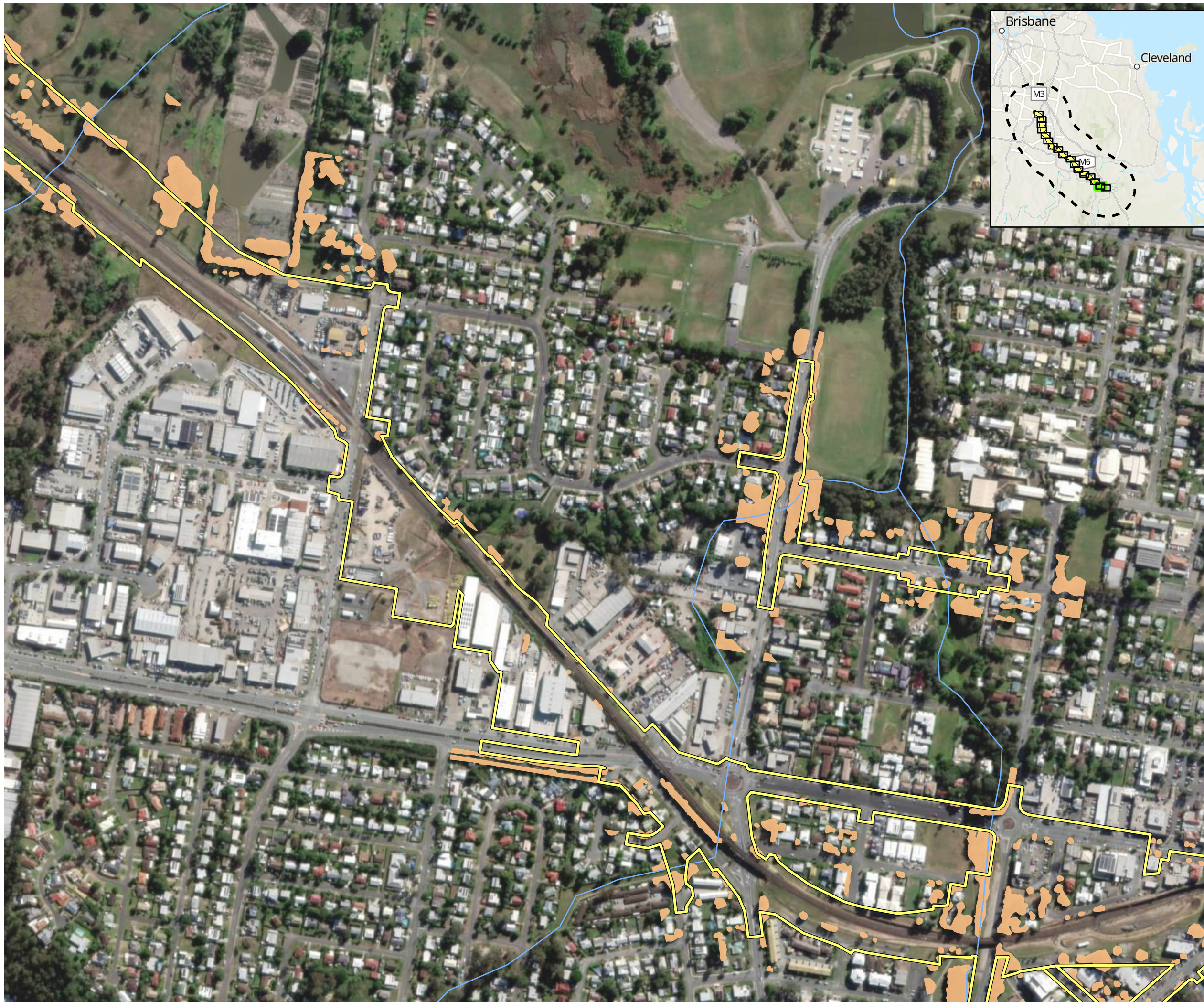
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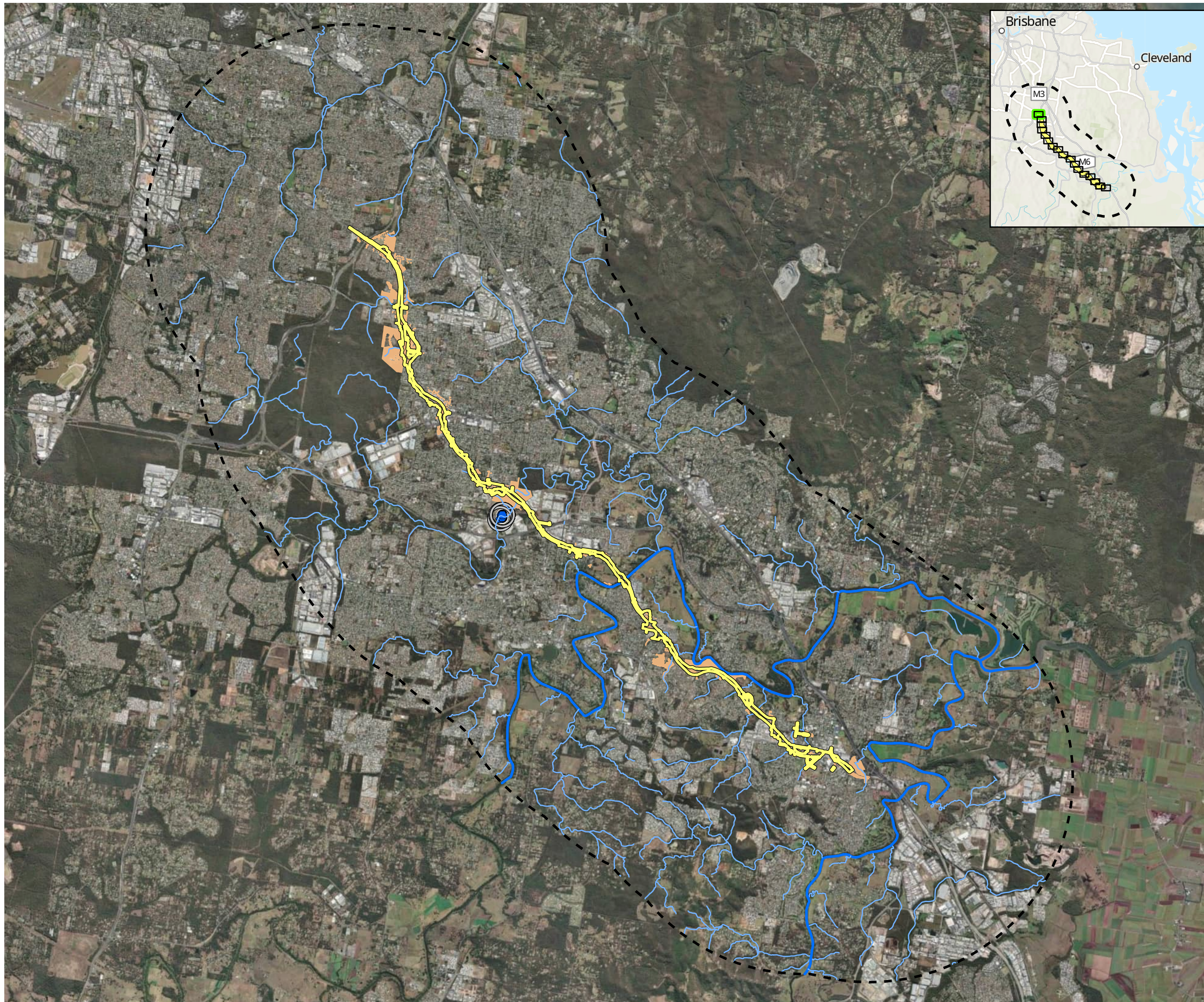
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Figure 13 Swift parrot habitat and records



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- Impact area
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- Watercourse (minor)
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Figure 13 Swift parrot habitat and records

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Project: Logan and Gold Coast Faster Rail
Report: Preliminary Documentation - Supplementary MNES Report
Client: Department of Transport and Main Roads
Project Number: 60681907
Date: 12/02/2025

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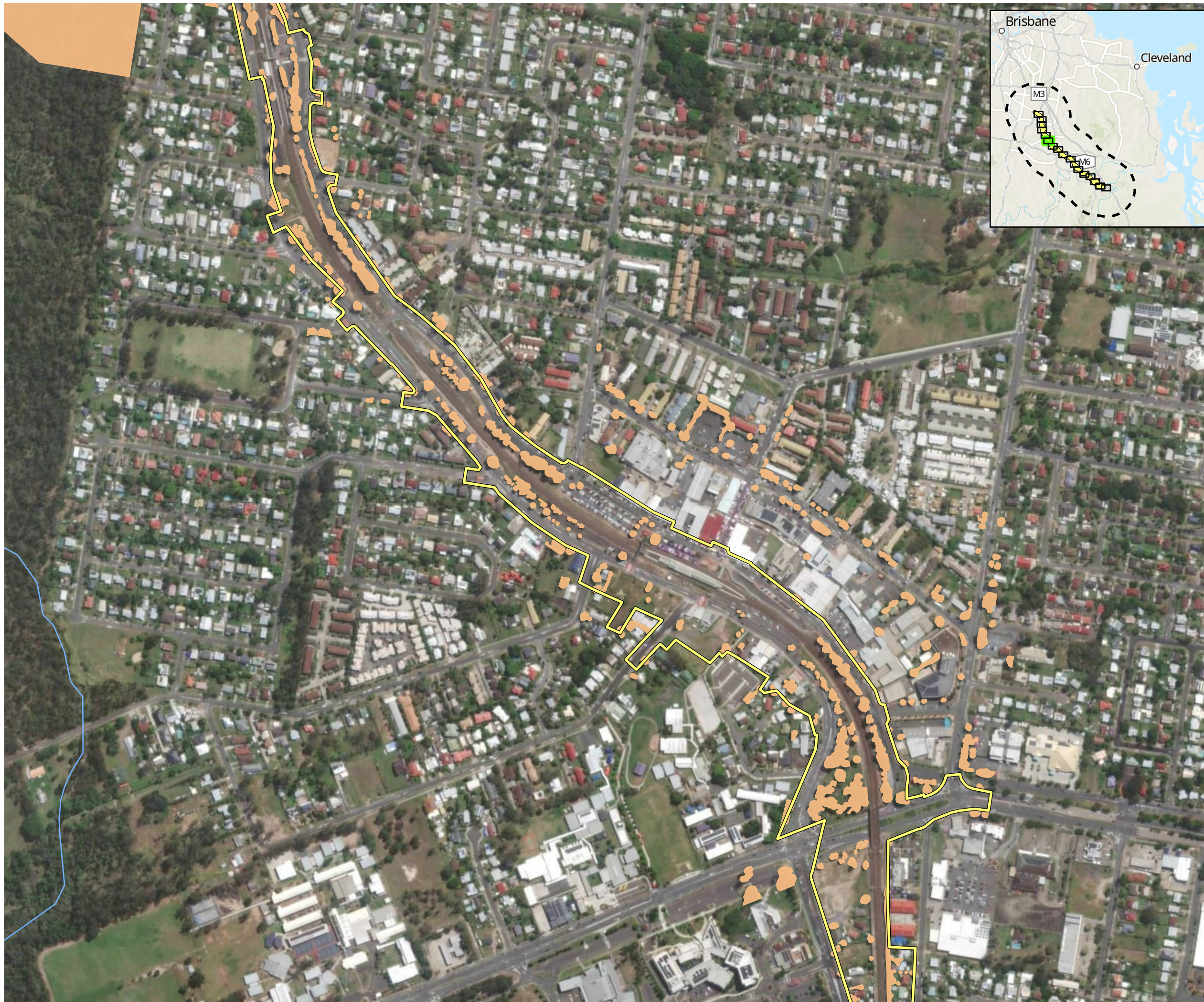
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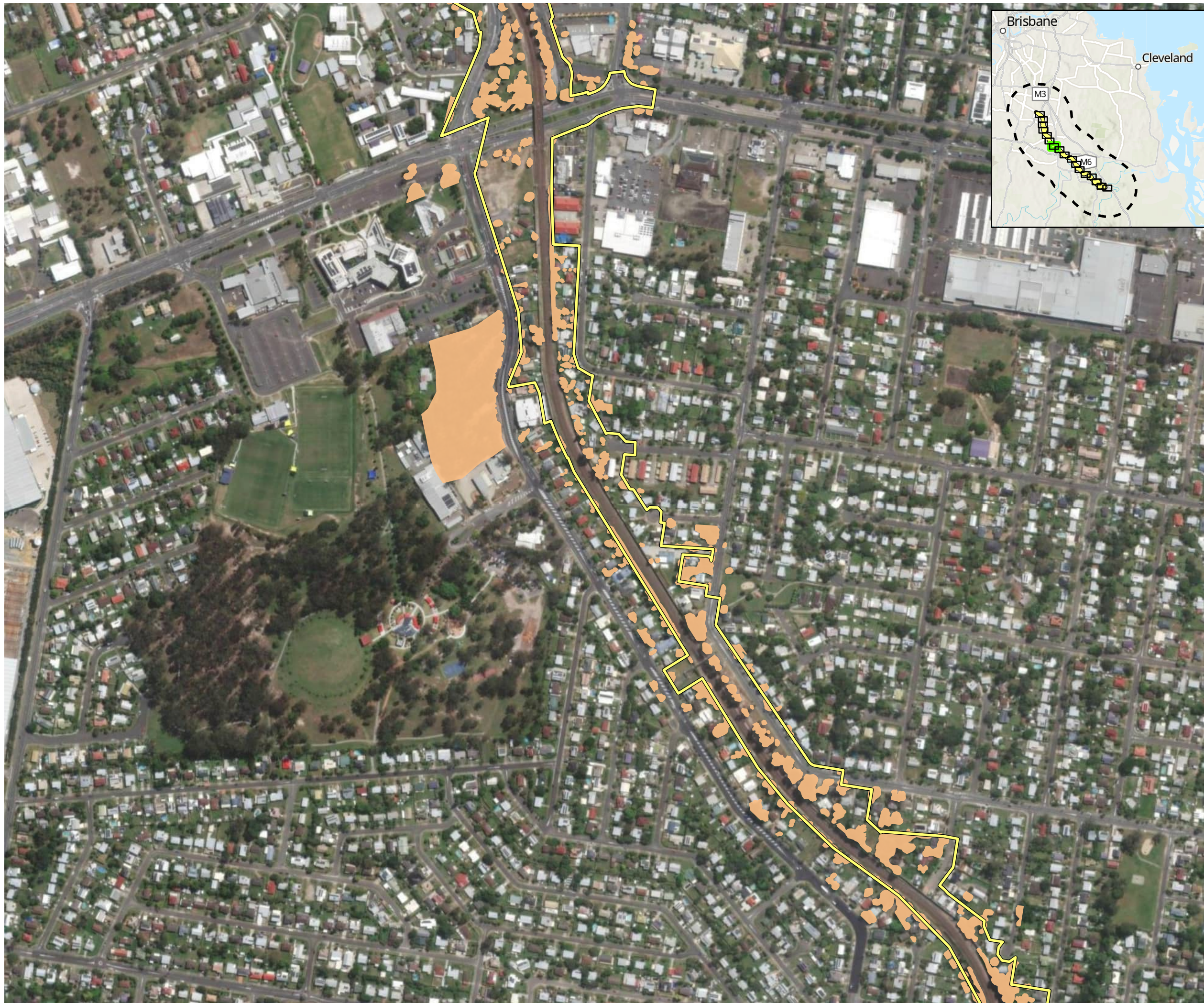
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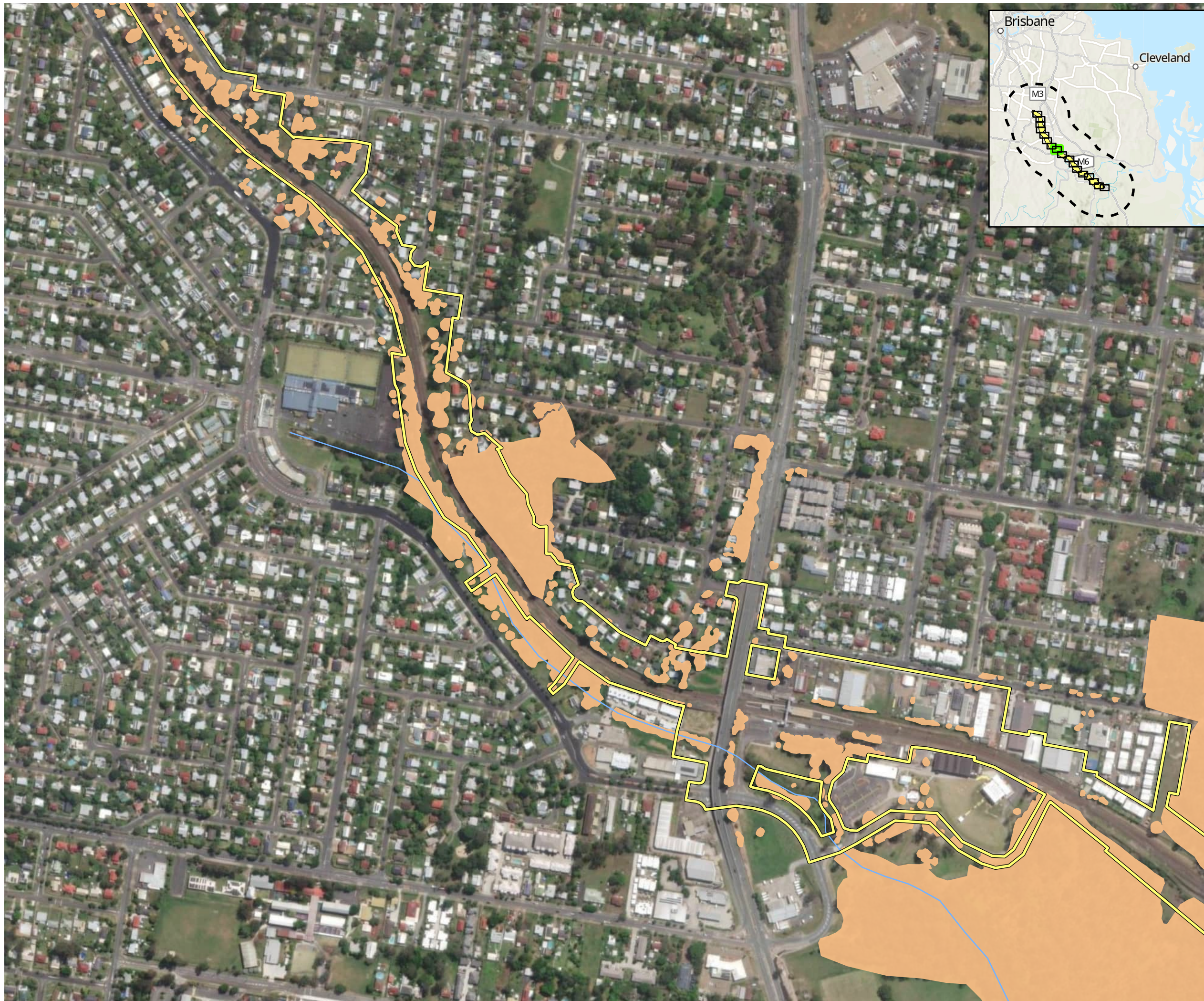
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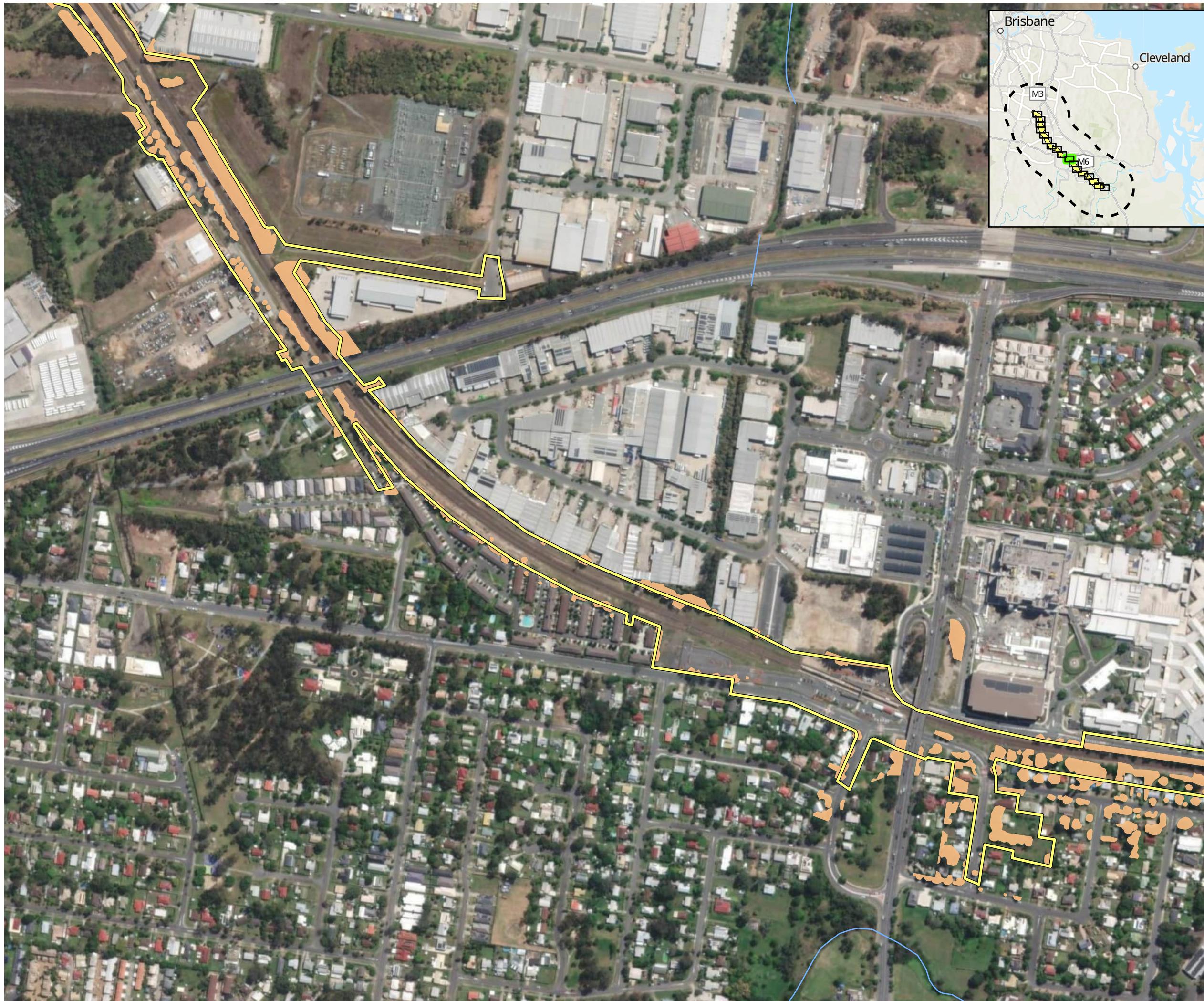
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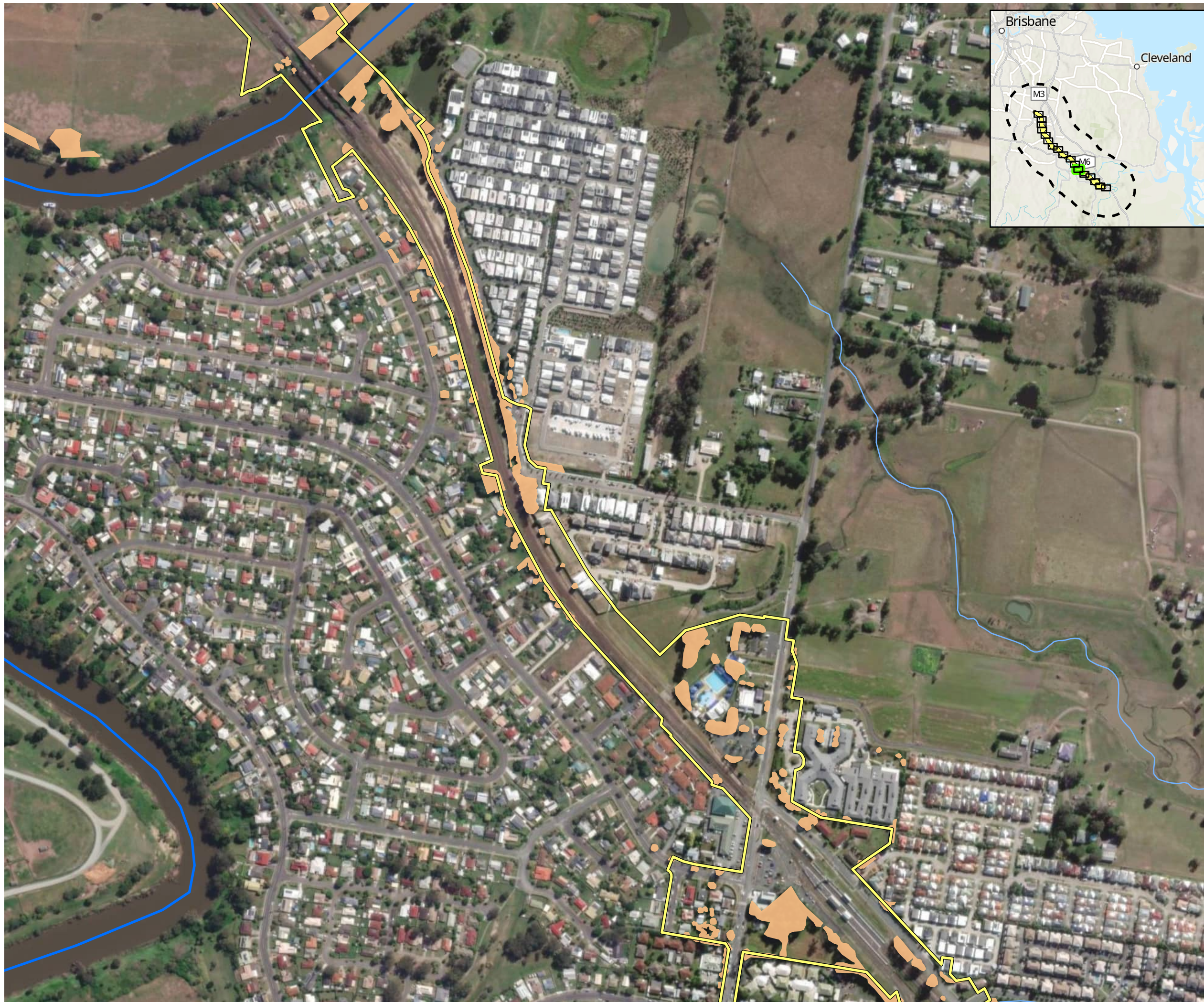
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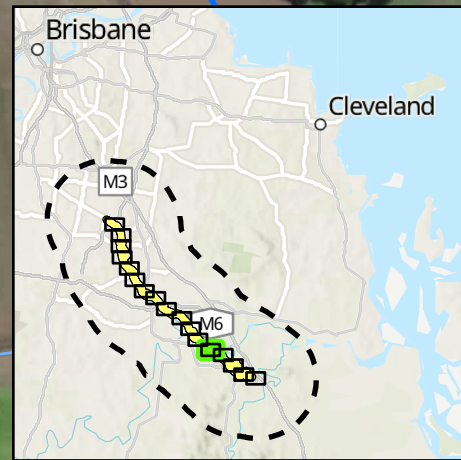
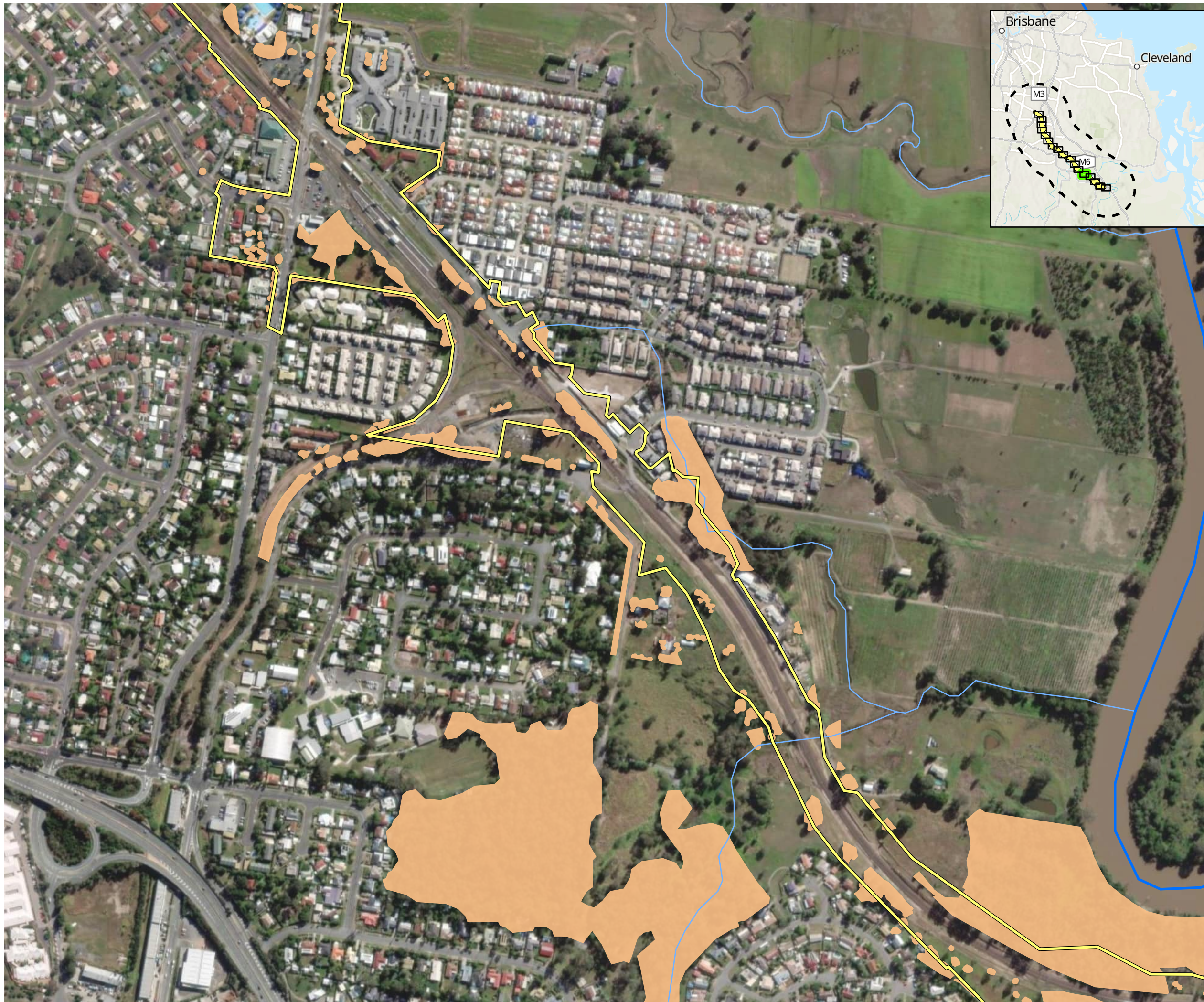
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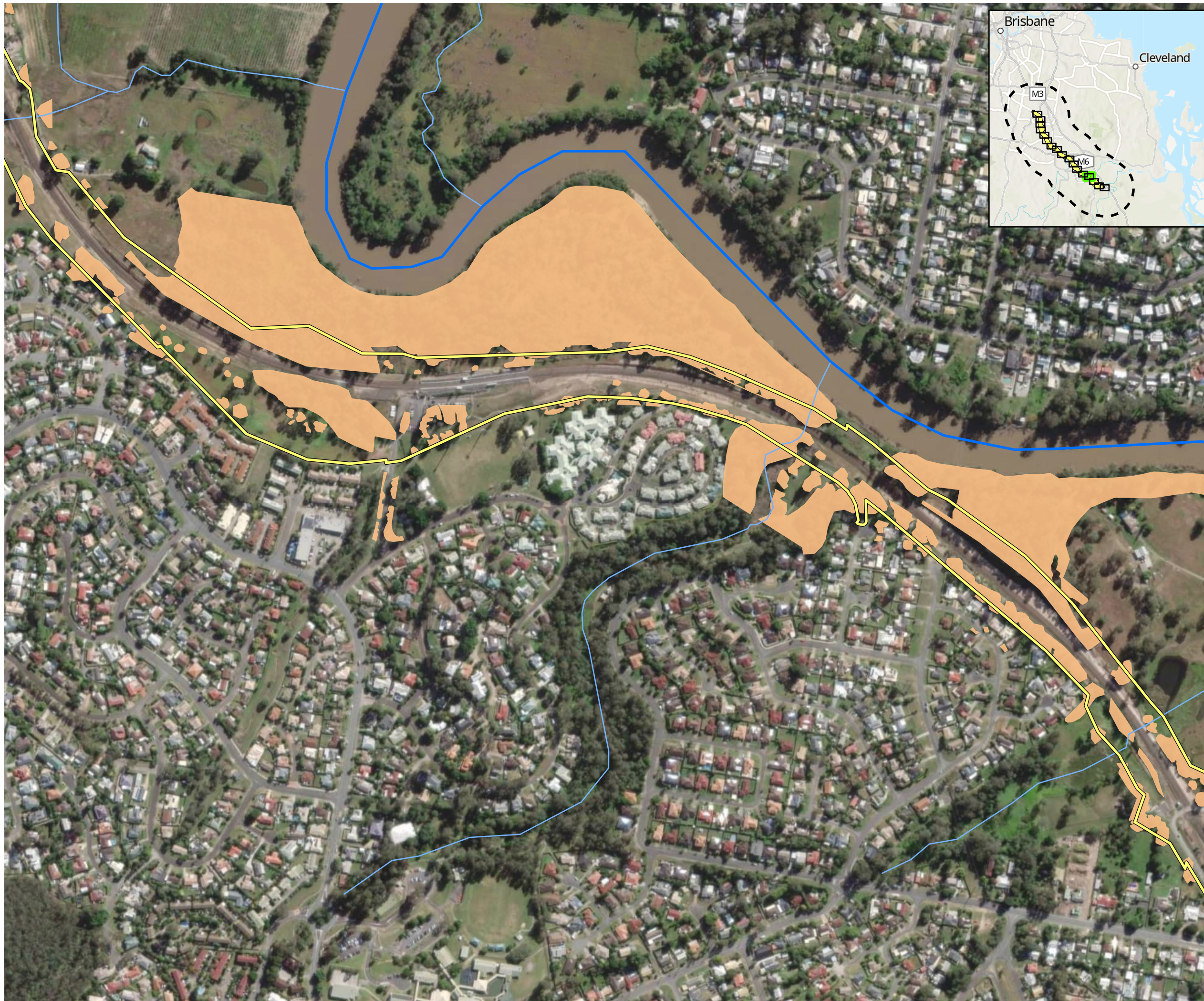
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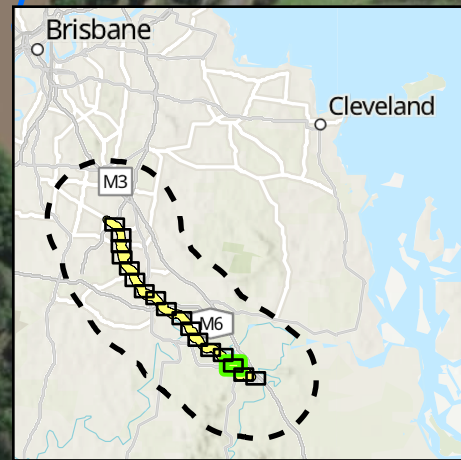
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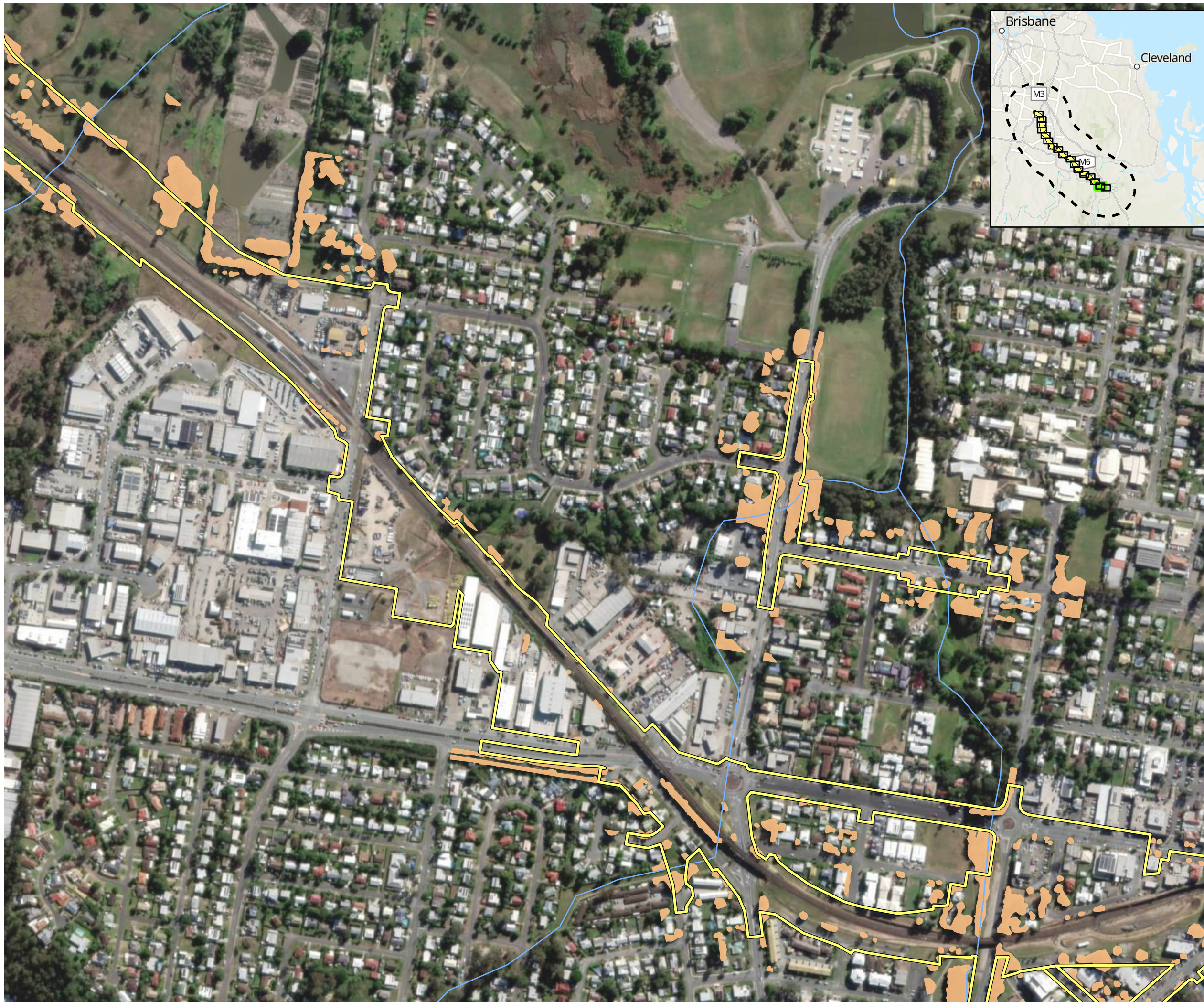
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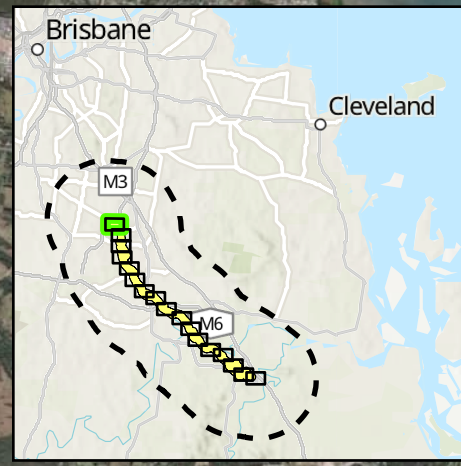
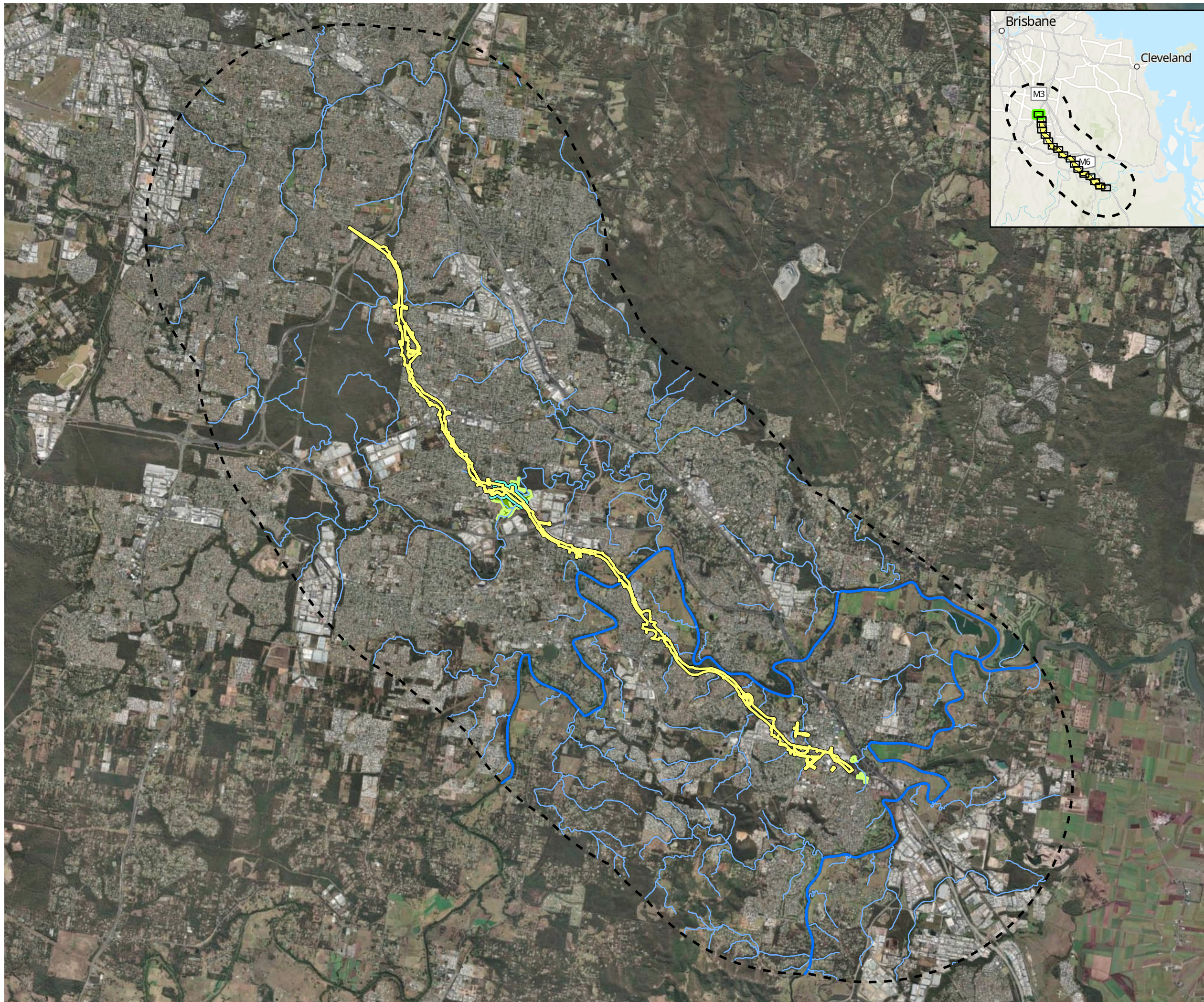
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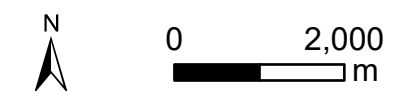
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Figure 14 Subtropical eucalypt floodplain forest and woodland of the New South Wales North Coast and South East Queensland bioregions Threatened Ecological Community habitat



AECOM



- Study area
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- Watercourse (major)
- Watercourse (minor)
- Subtropical eucalypt floodplain forest and woodland TEC (AECOM, 2024)
- Buffer zone

Figure 14 Subtropical eucalypt floodplain forest and woodland threatened ecological community

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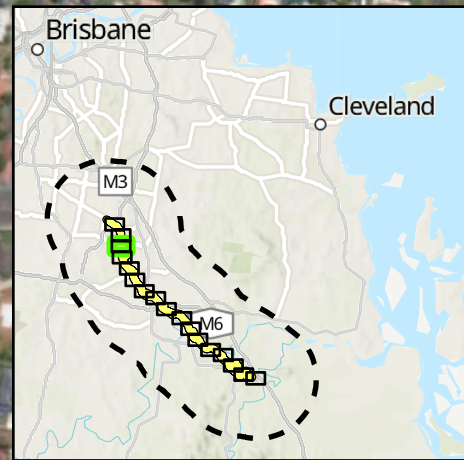
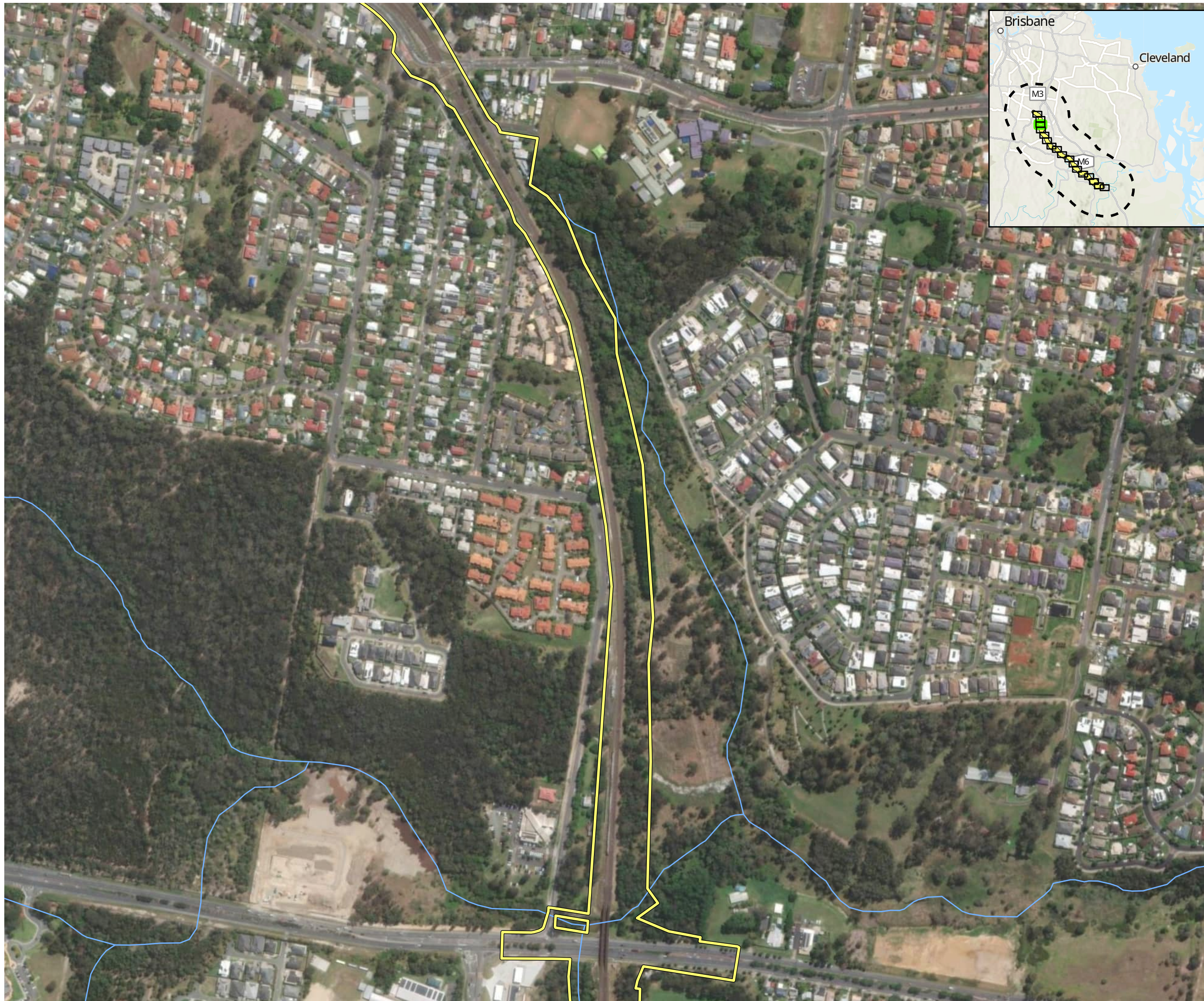
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-  Study area
-  Impact area
-  Watercourse (major)
-  Watercourse (minor)
-  Subtropical eucalypt floodplain forest and woodland TEC (AECOM, 2024)
-  Buffer zone

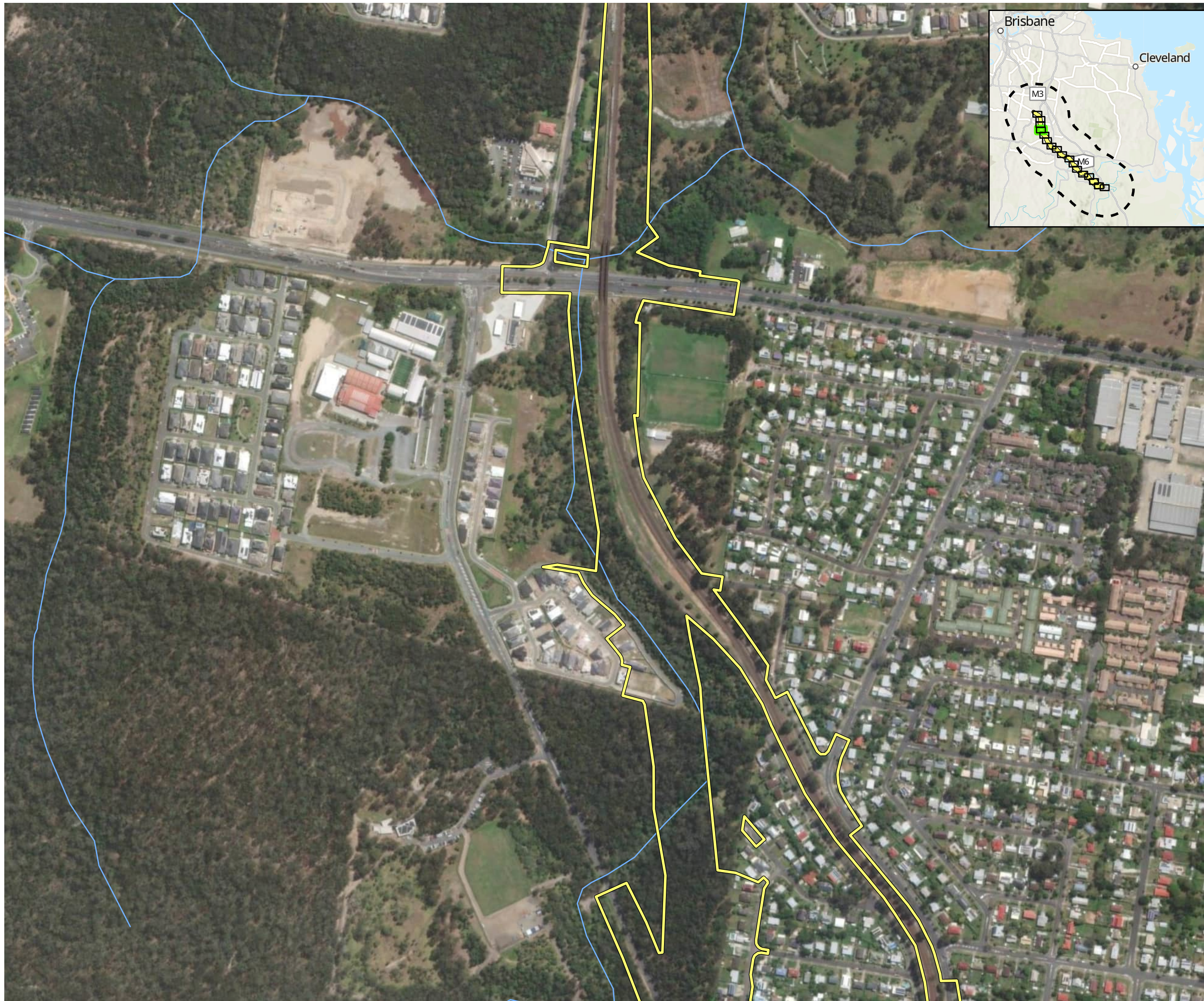
Figure 14 Subtropical eucalypt floodplain forest and woodland threatened ecological community

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Project: Logan and Gold Coast Faster Rail
Report: Preliminary Documentation - Supplementary MNES Report
Client: Department of Transport and Main Roads
Project Number: 60681907
Date: 12/02/2025

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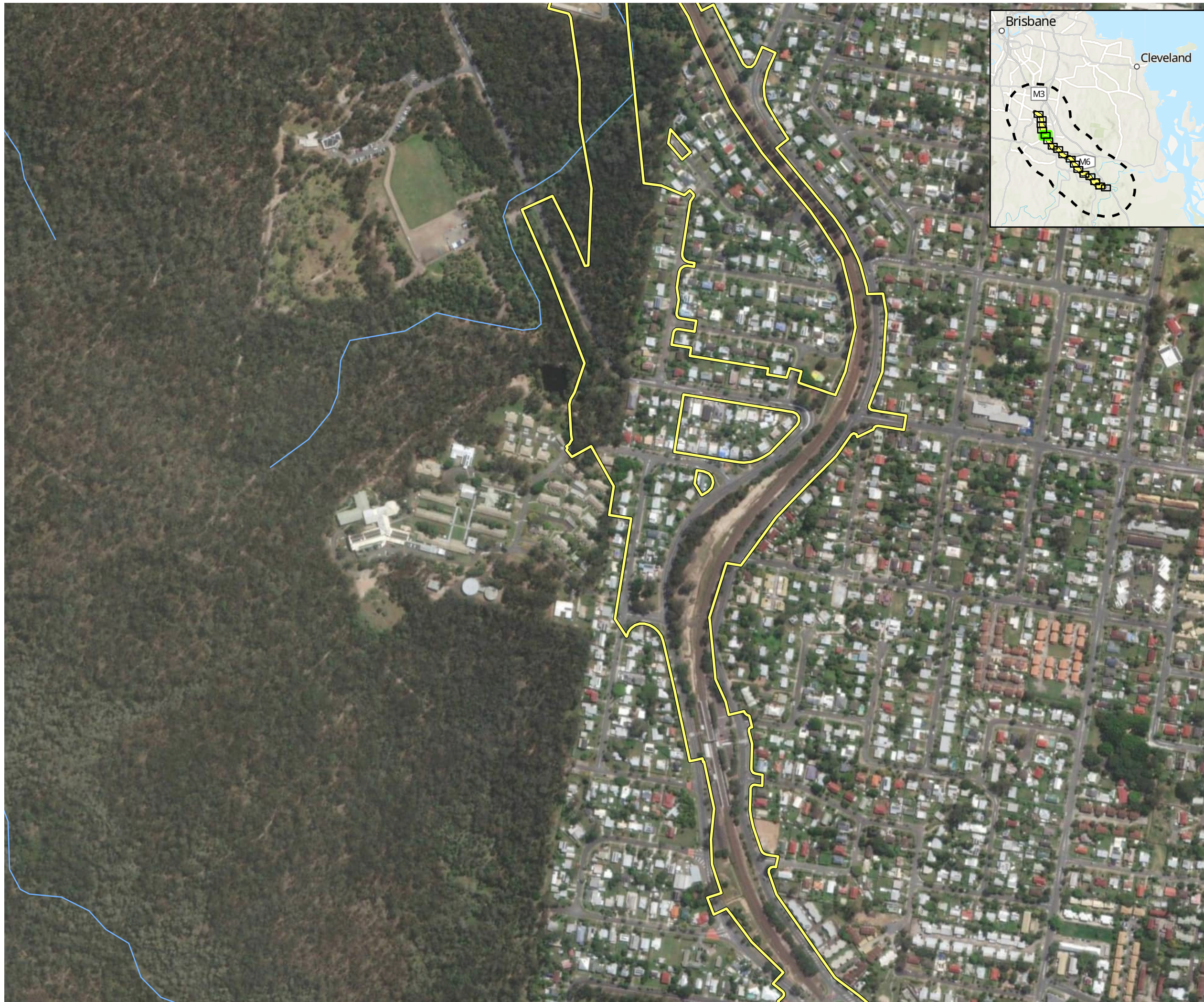
- Study area
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Figure 14 Subtropical eucalypt floodplain forest and woodland threatened ecological community

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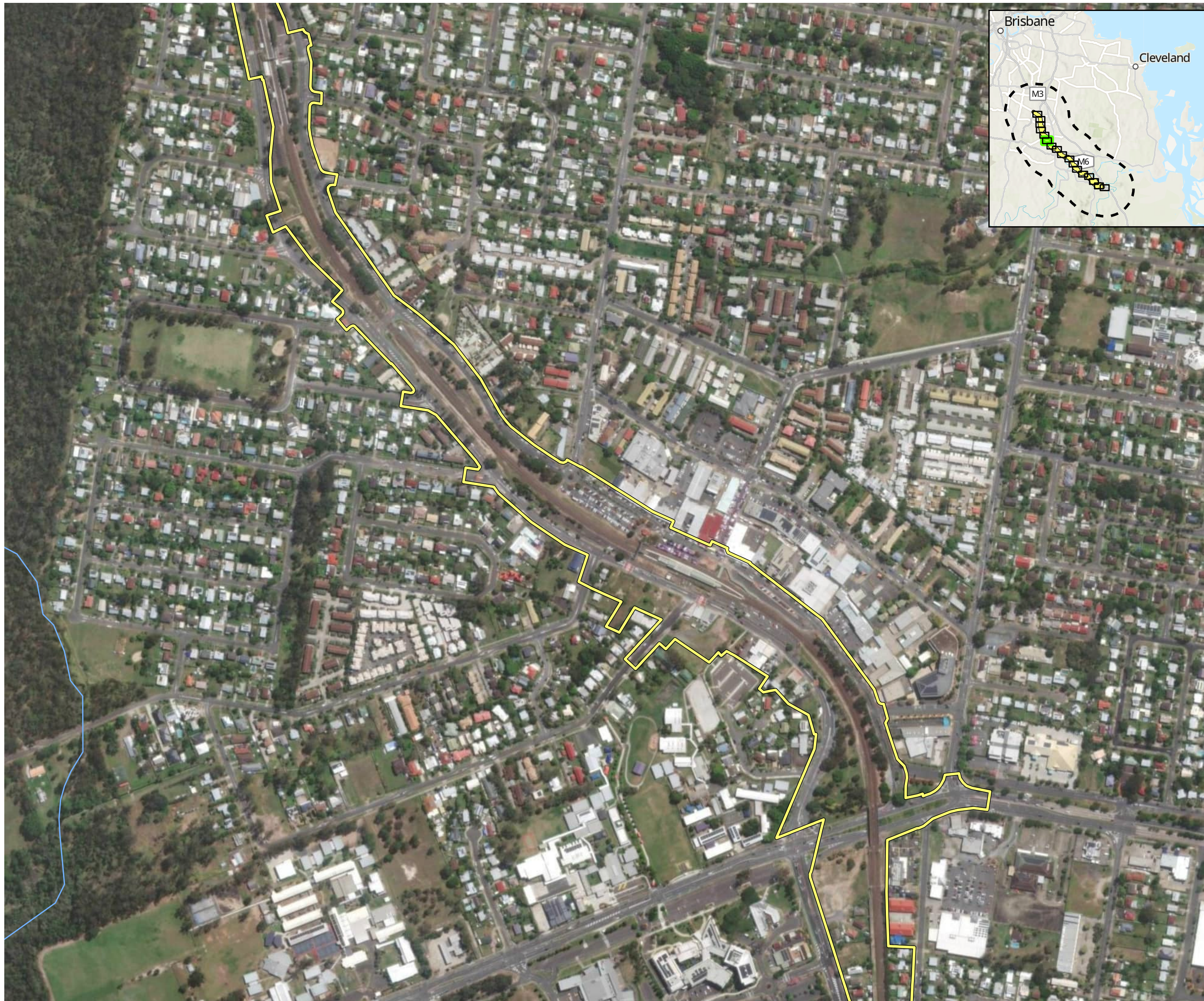
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Figure 14 Subtropical eucalypt floodplain forest and woodland threatened ecological community

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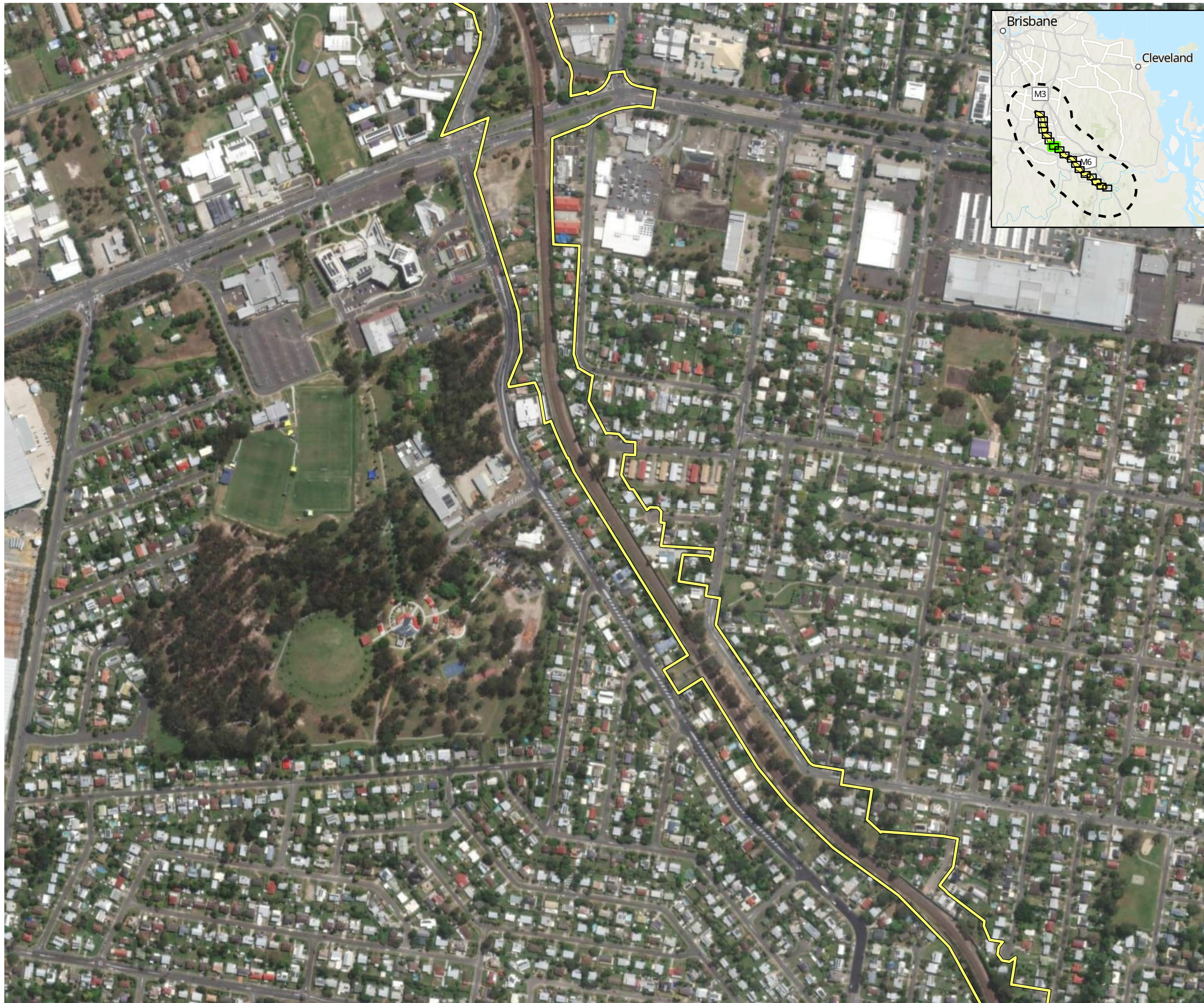
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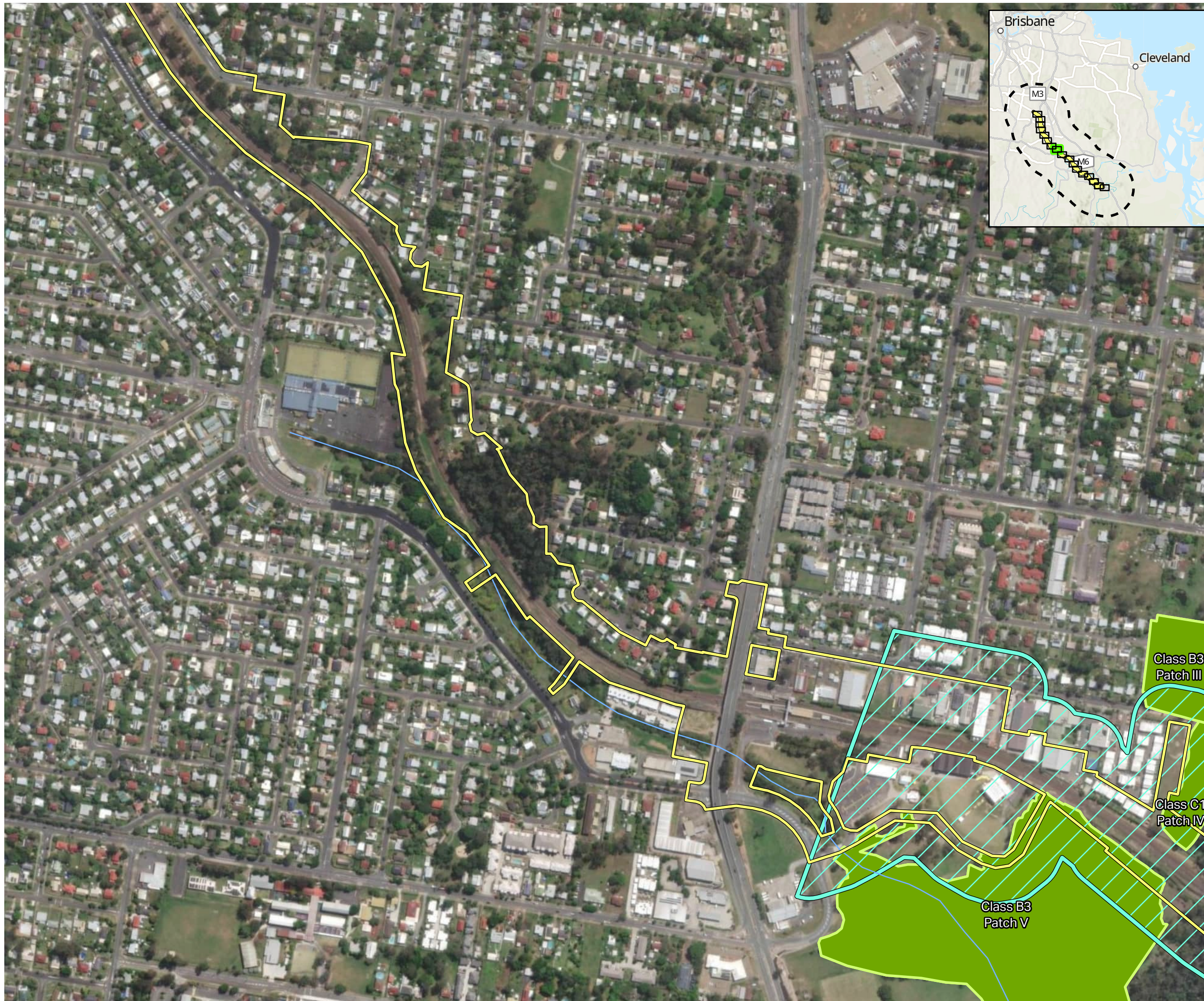
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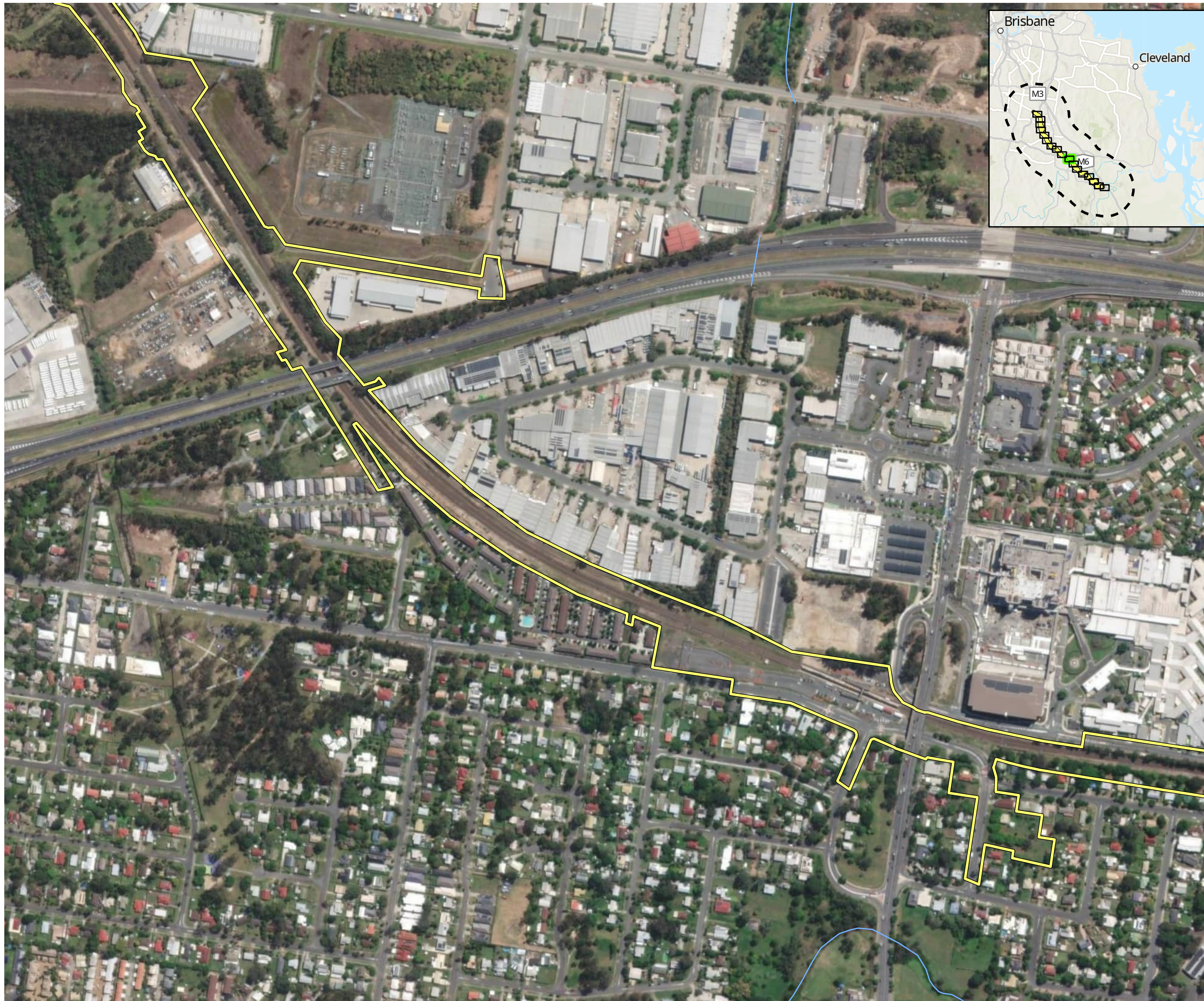


- N
- 0 200 m
- Study area
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Figure 14 Subtropical eucalypt floodplain forest and woodland threatened ecological community
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Figure 14 Subtropical eucalypt floodplain forest and woodland threatened ecological community

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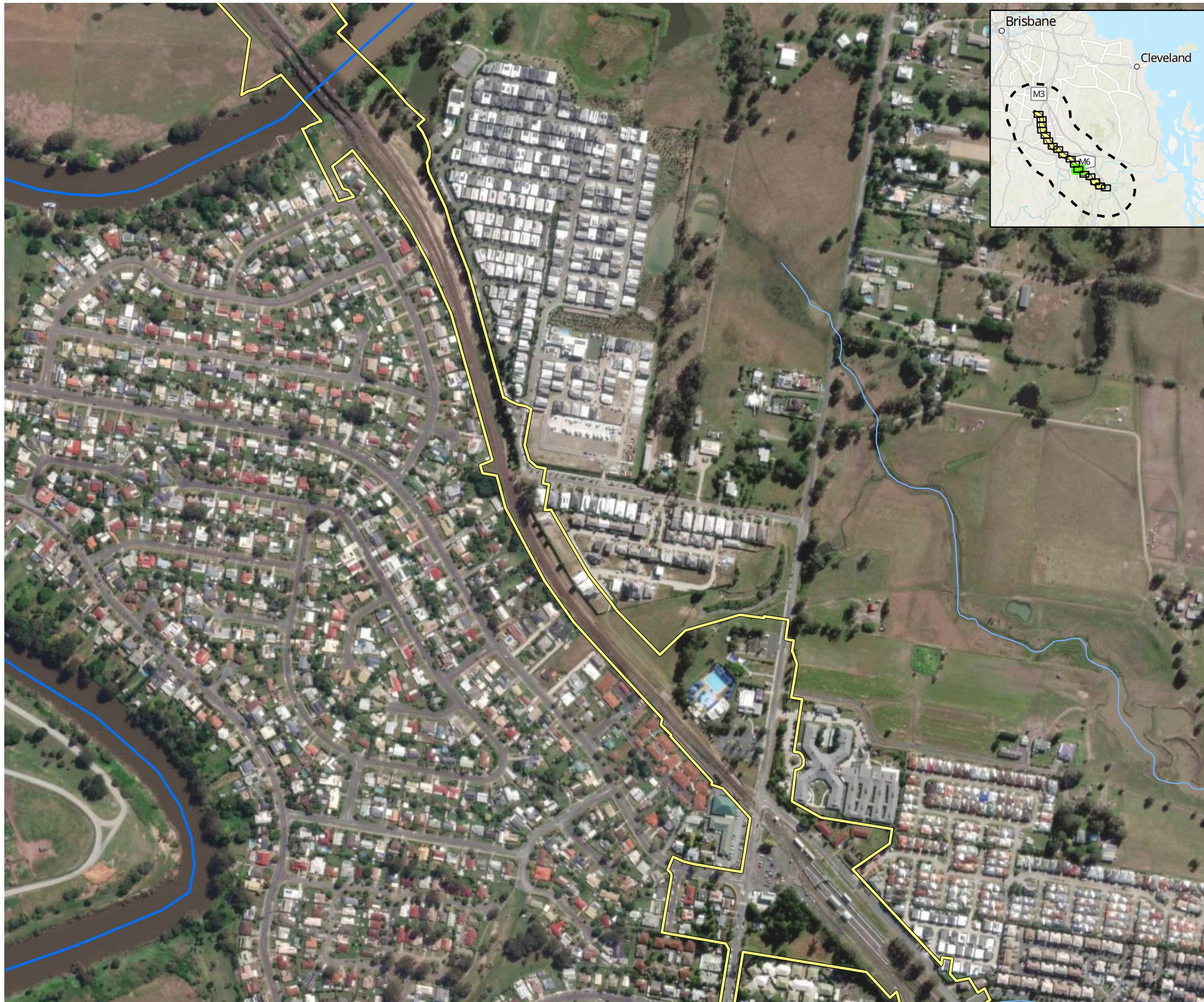
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N

0 200 m

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AECOM









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Figure 14 Subtropical eucalypt floodplain forest and woodland threatened ecological community

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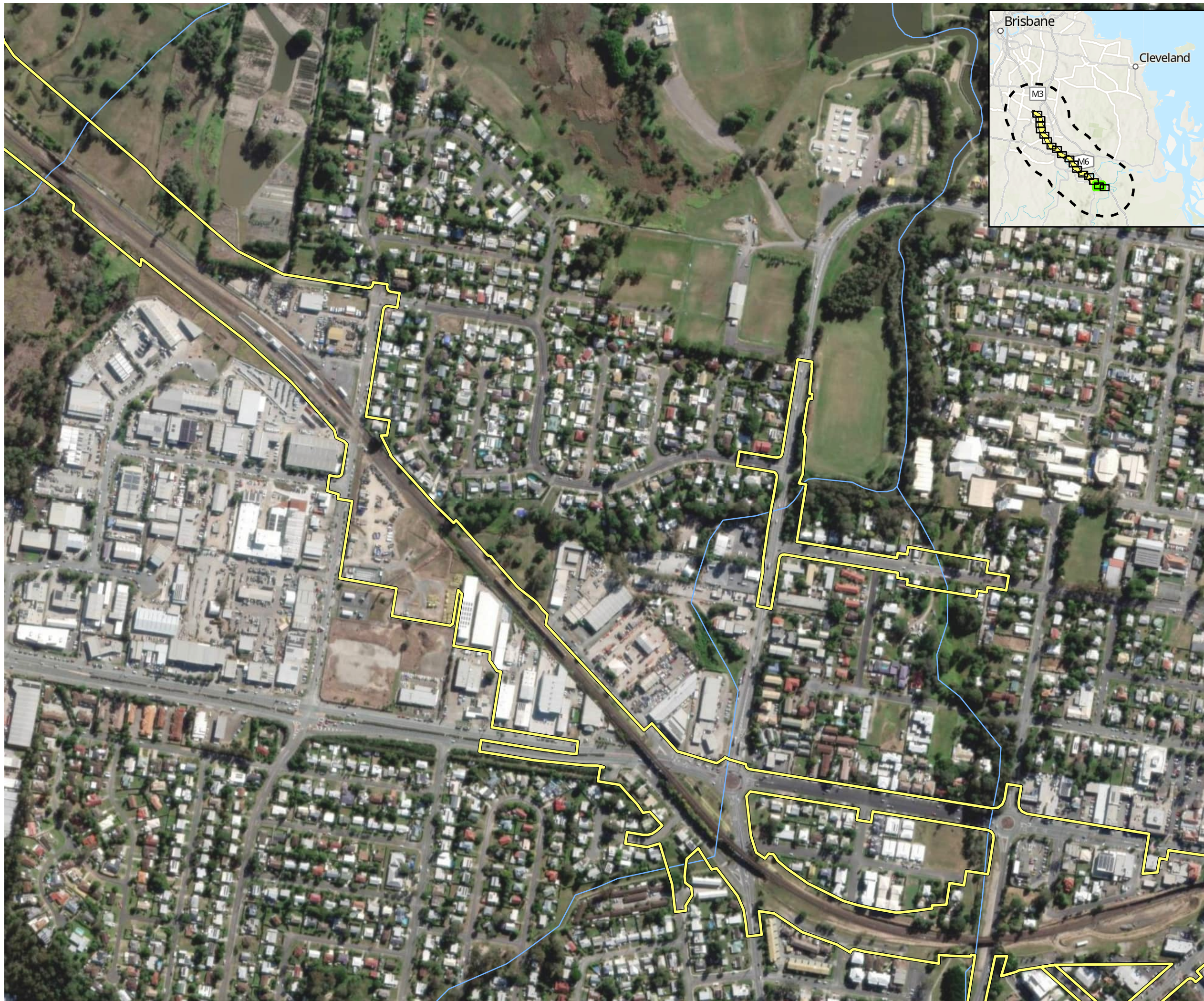
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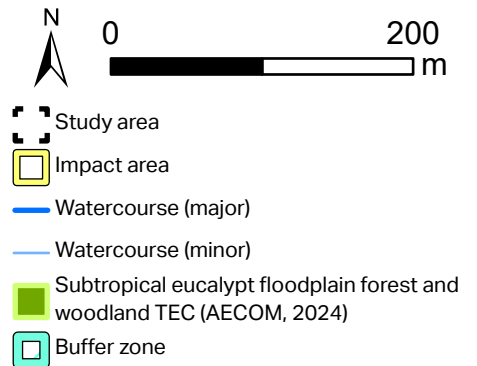


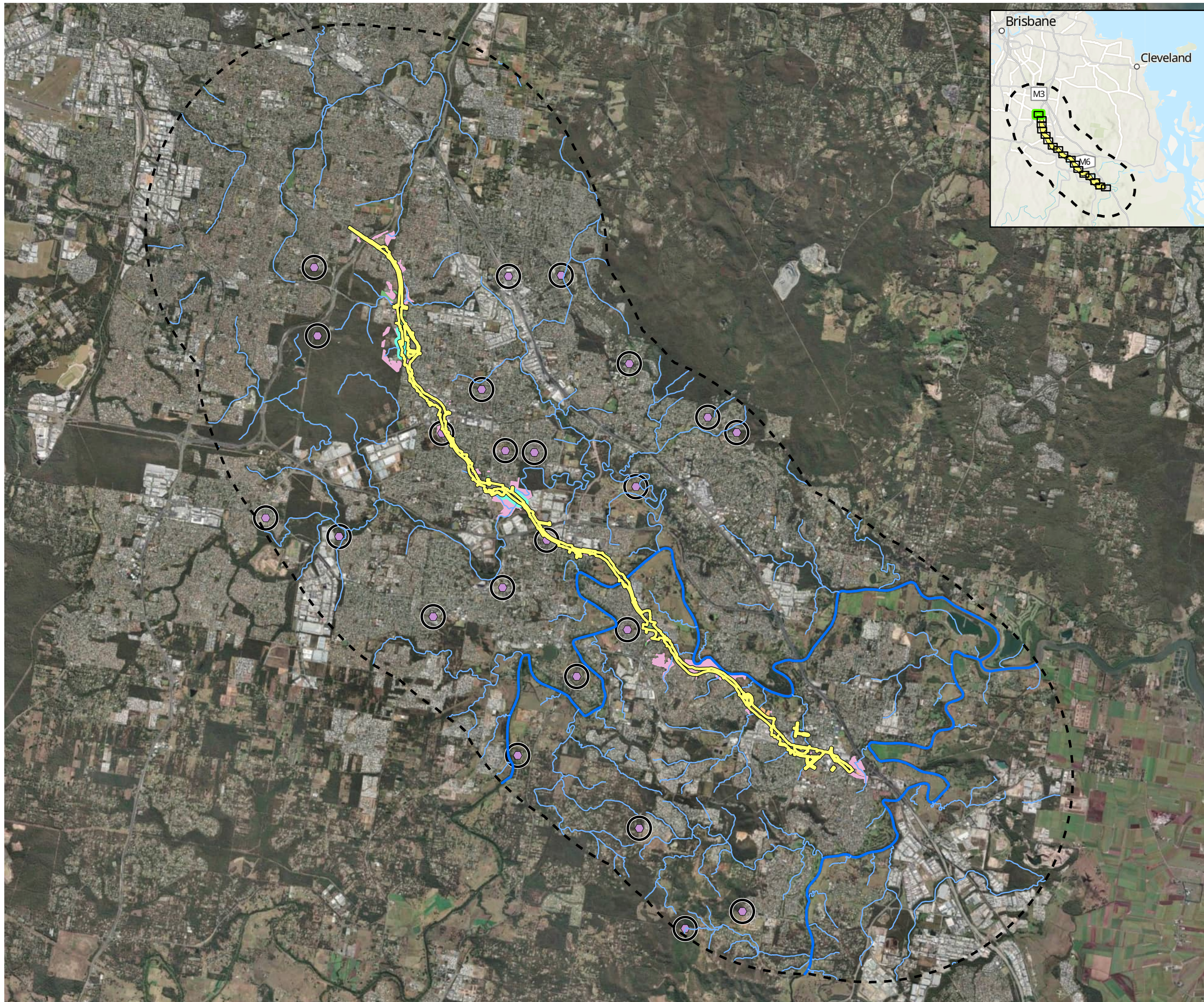
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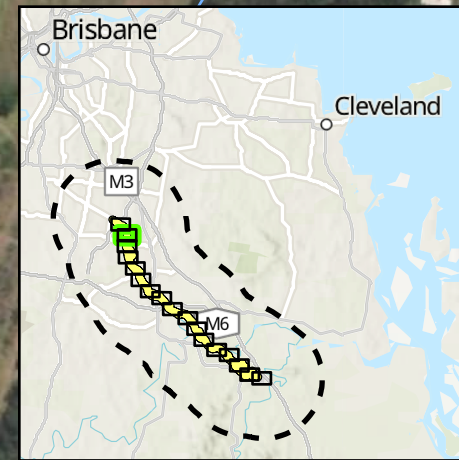
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Figure 15 Greater glider (southern and central) habitat and records



- Study area
- Impact area
- Watercourse (major)
- Watercourse (minor)
- Greater glider habitat (AECOM, 2024)**
- Breeding
- Foraging
- Dispersal
- Functionally lost
- Buffer zone
- Species records post 2014 (ALA, 2024)**
- Greater glider
- Spatial uncertainty**
- No spatial uncertainty specified
- <250 m spatial uncertainty
- 250 m-1 km spatial uncertainty
- 1-5 km spatial uncertainty
- 5-10 km spatial uncertainty
- >10 km spatial uncertainty

Figure 15 Greater glider habitat and records



AECOM



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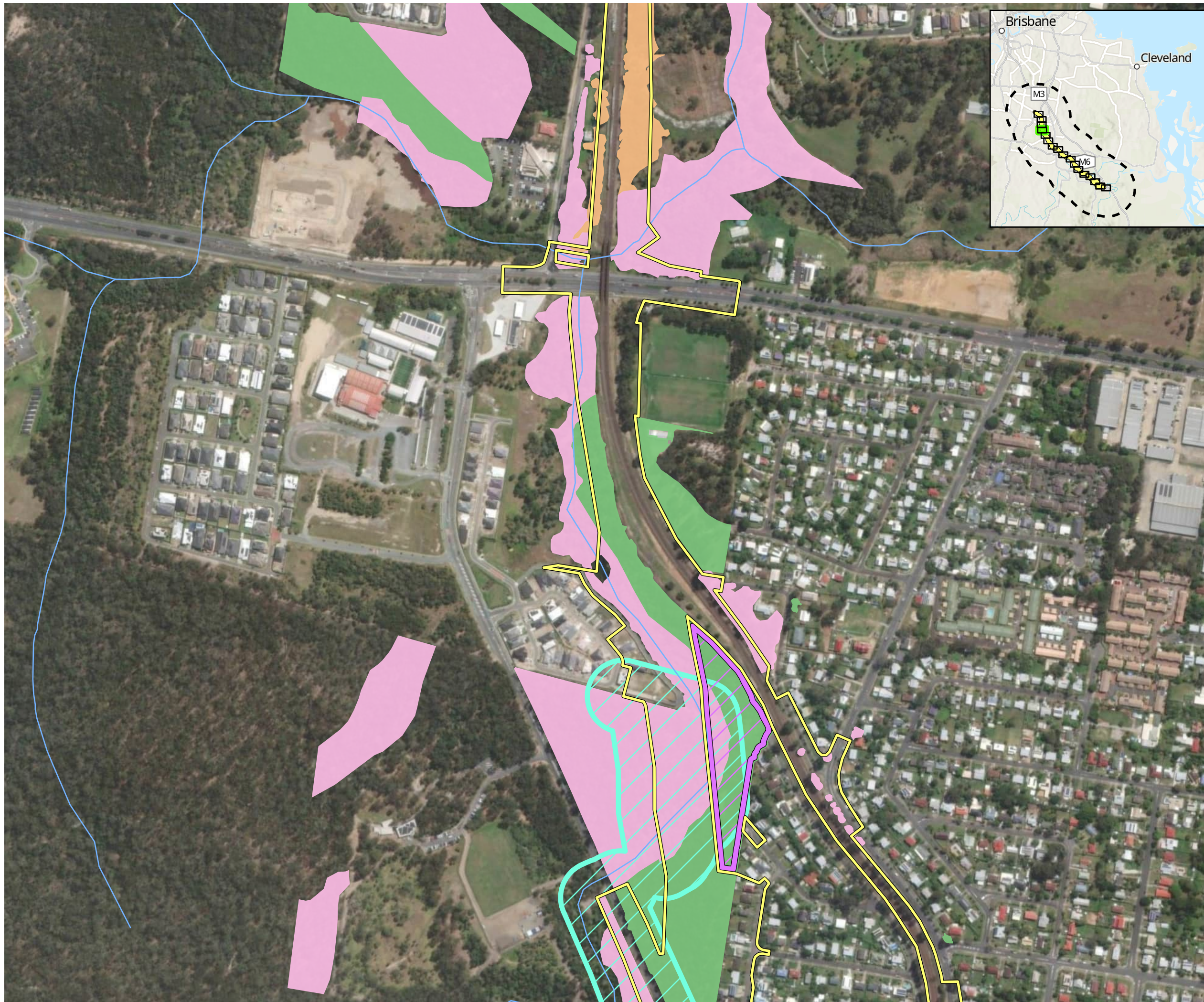
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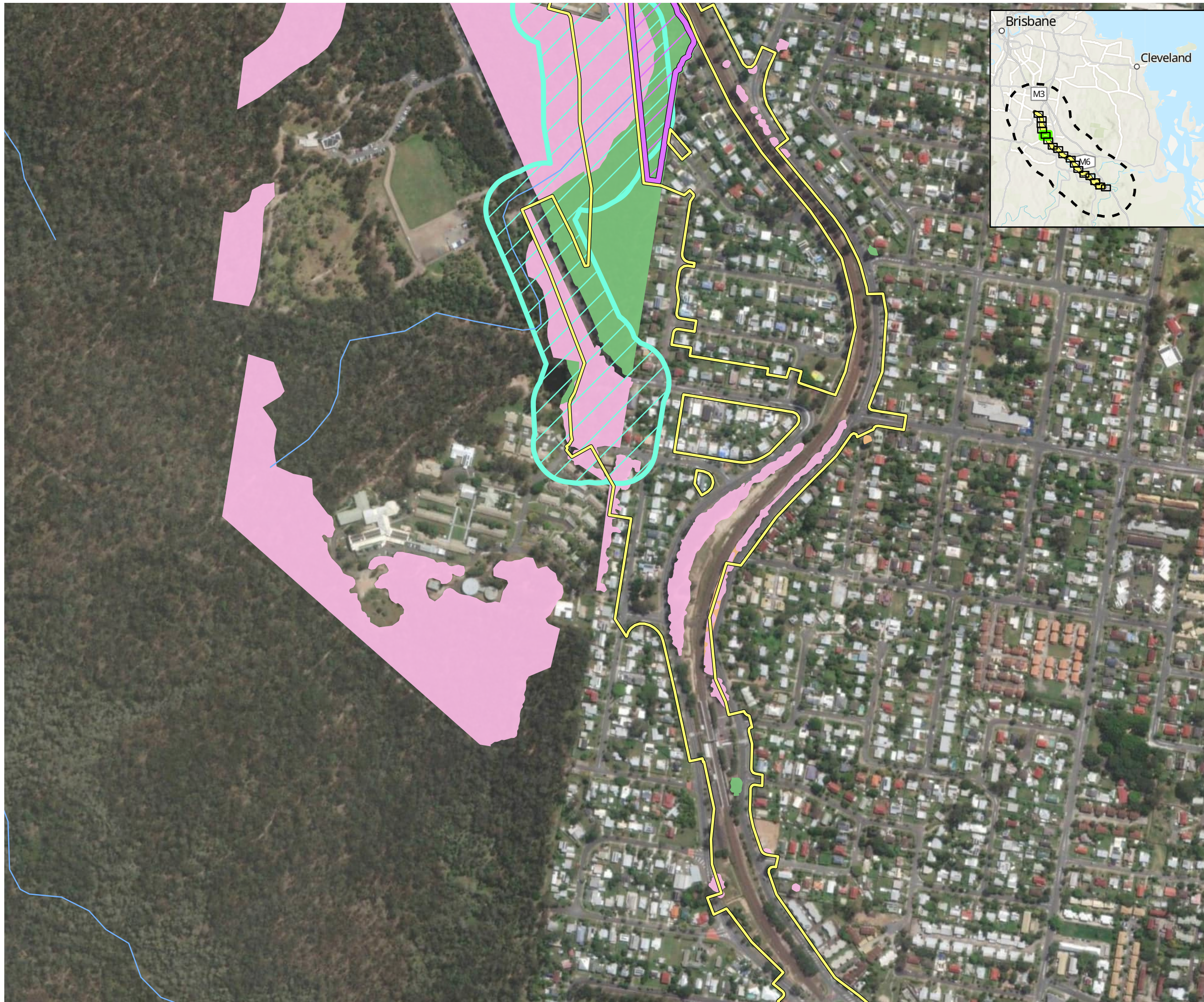
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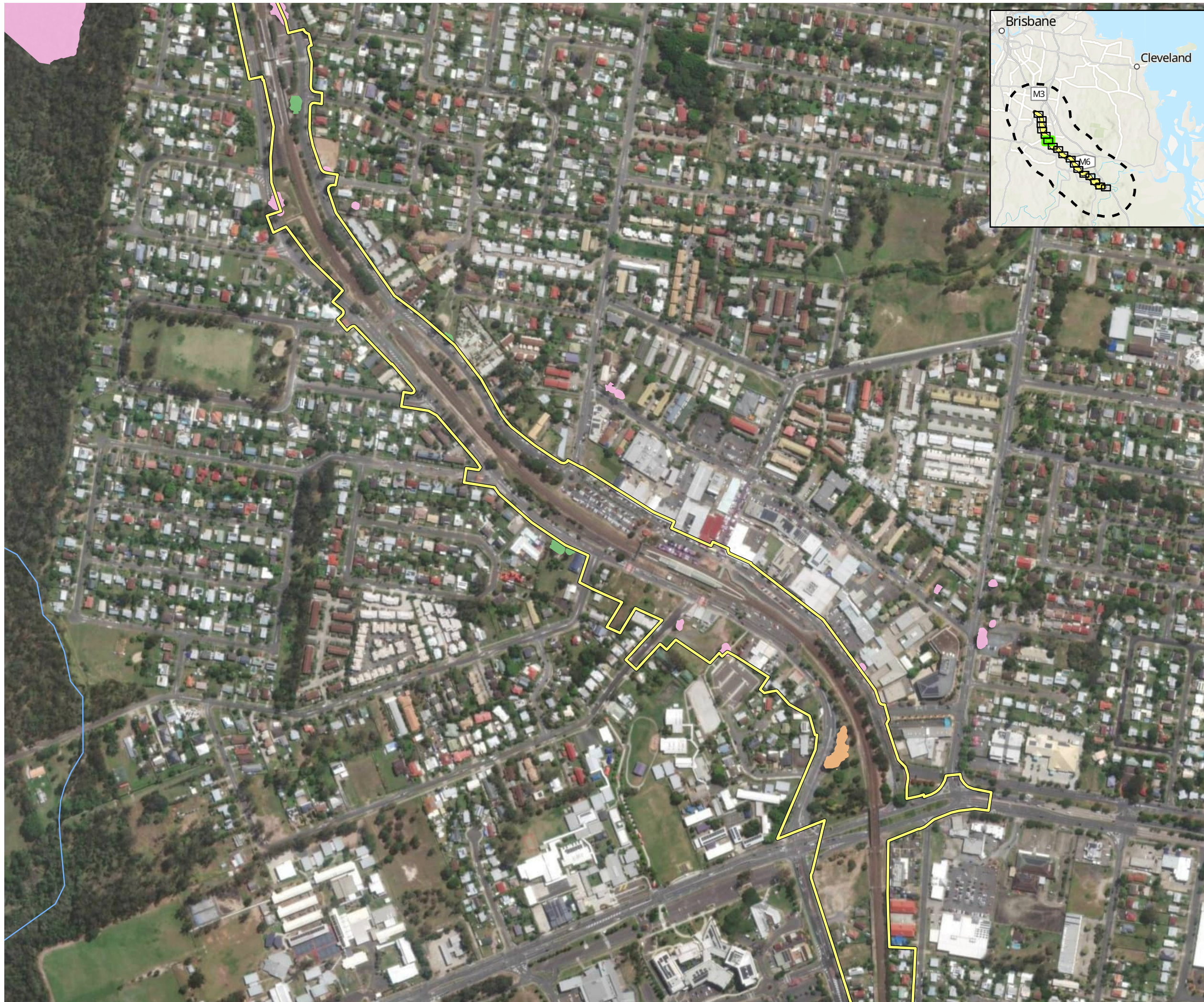
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Figure 15 Greater glider habitat and records

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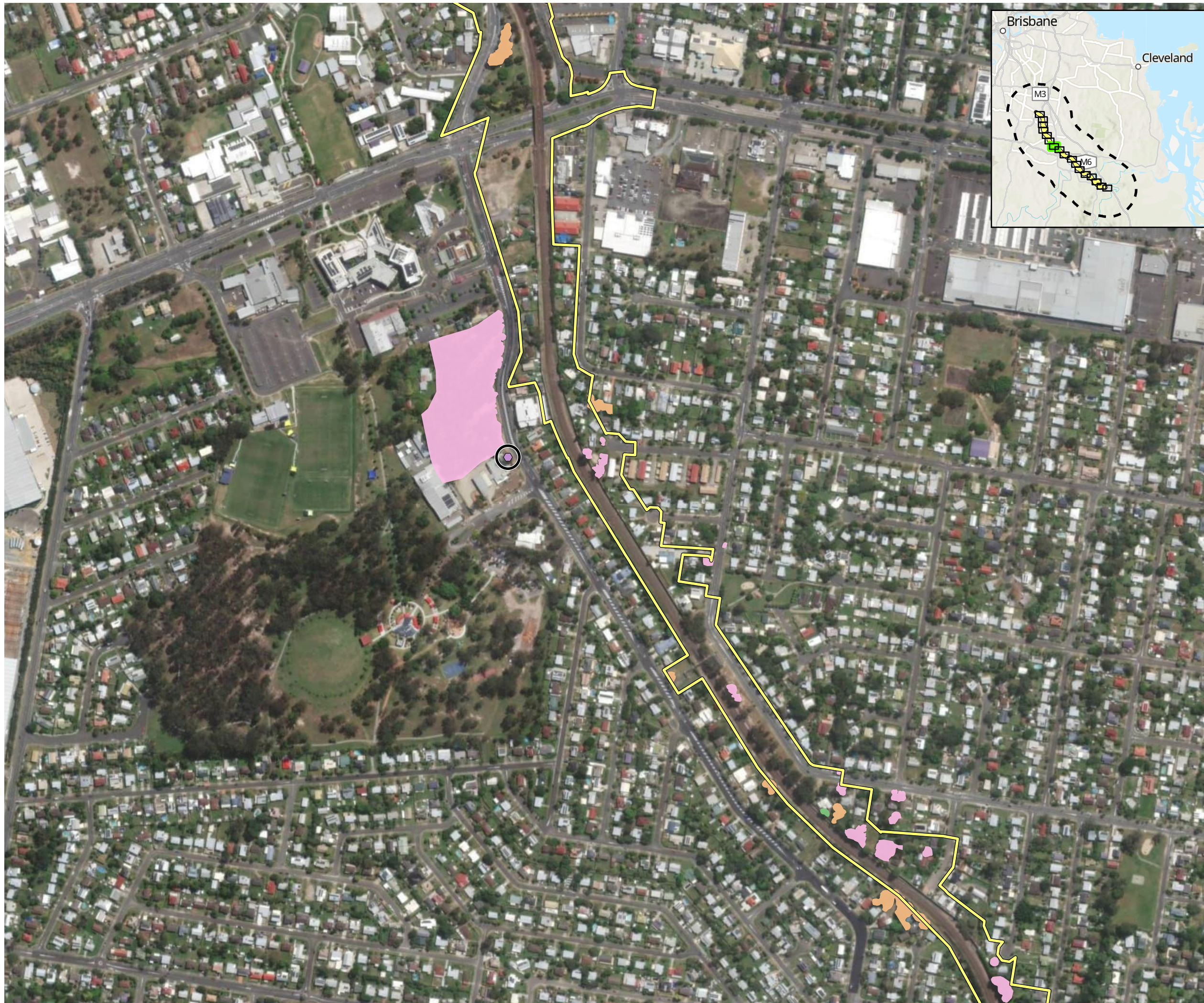
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Report: Preliminary Documentation - Supplementary MNES Report
Client: Department of Transport and Main Roads
Project Number: 60681907
Date: 12/02/2025

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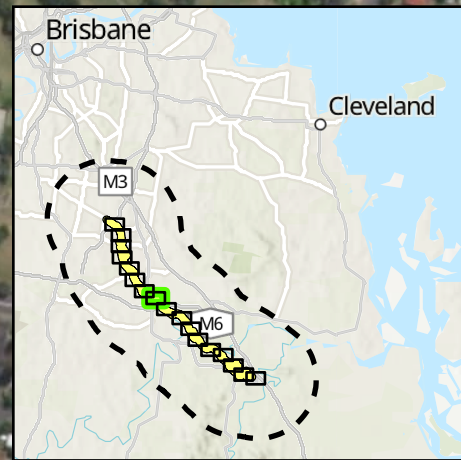
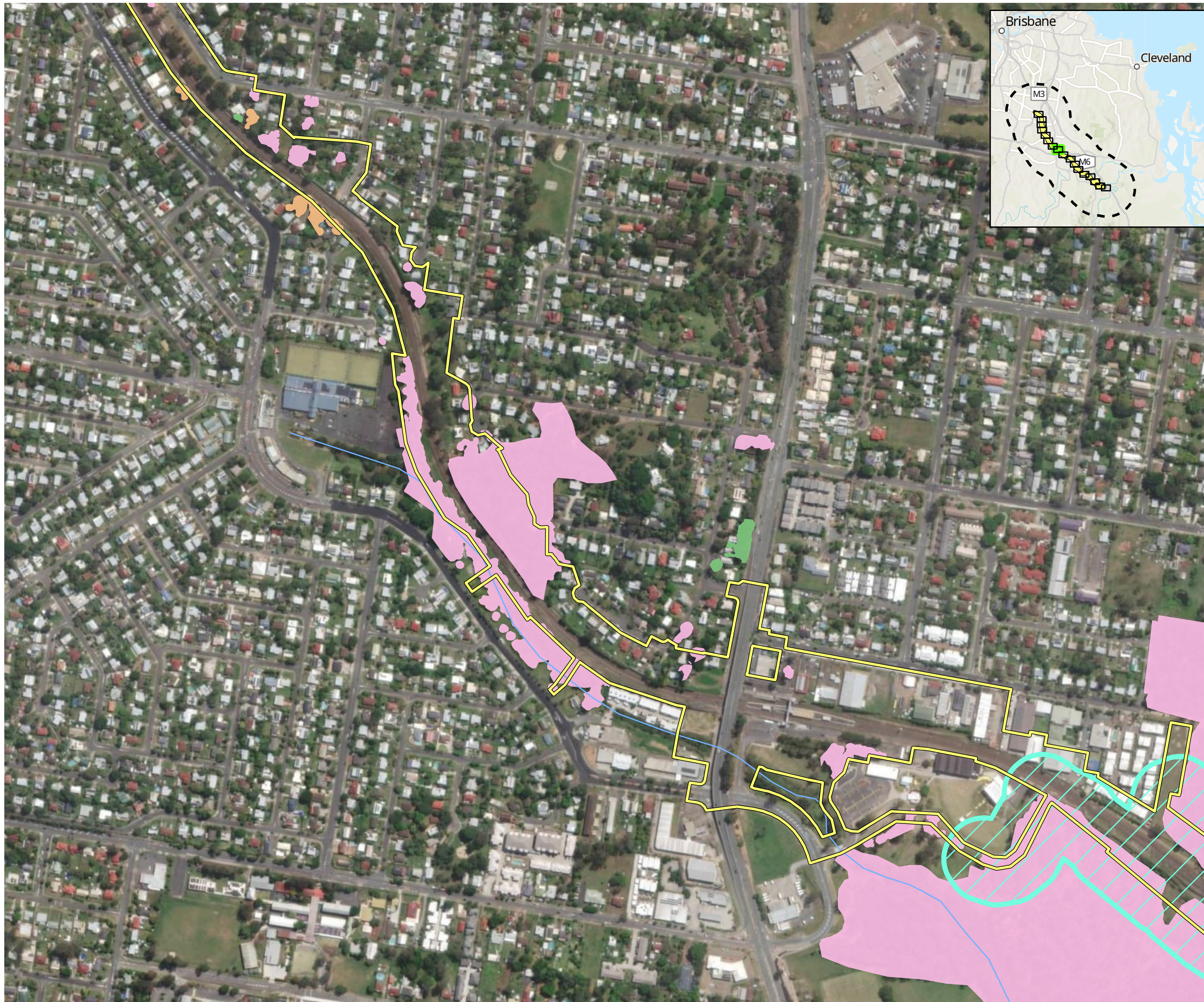
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Figure 15 Greater glider habitat and records



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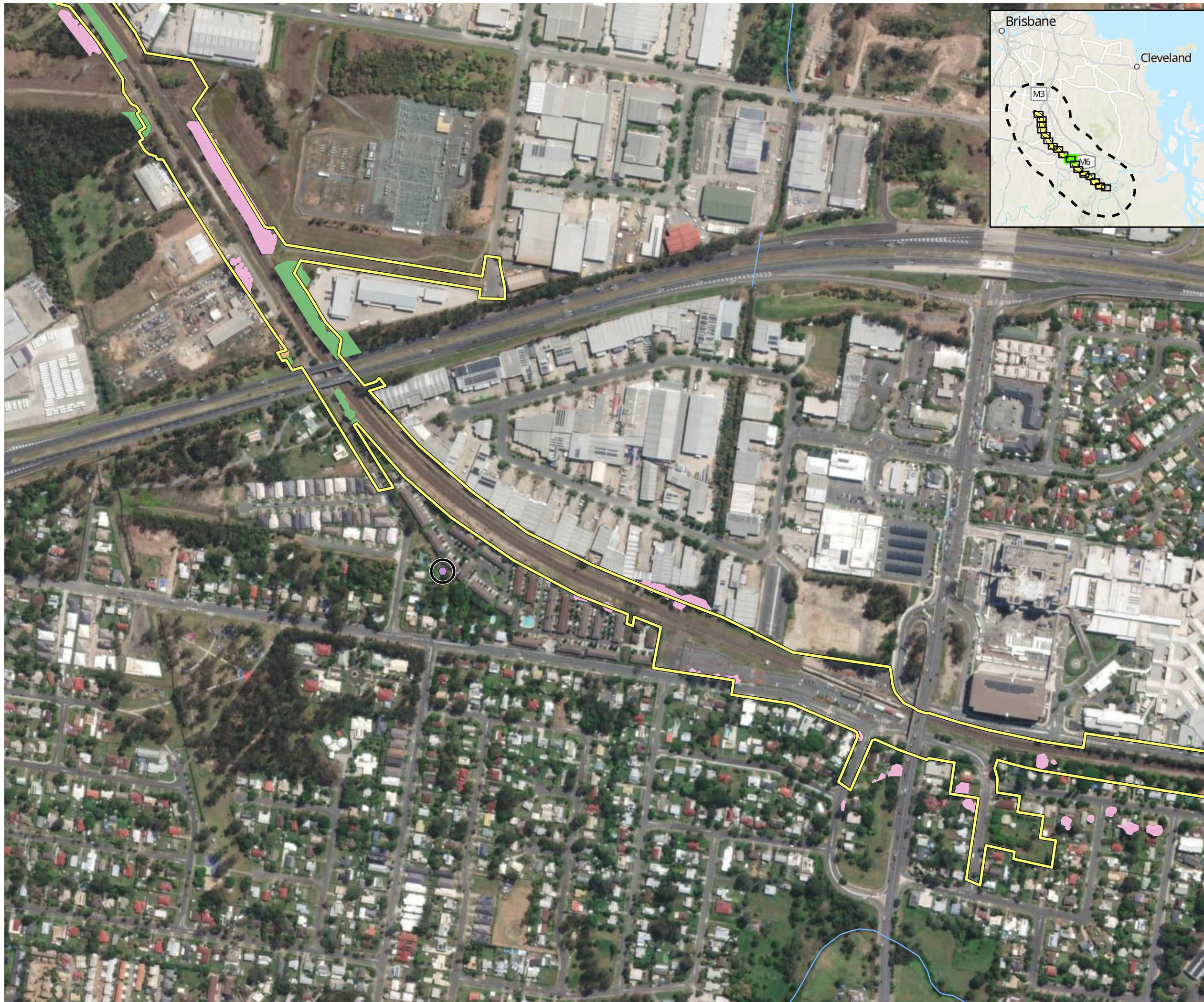
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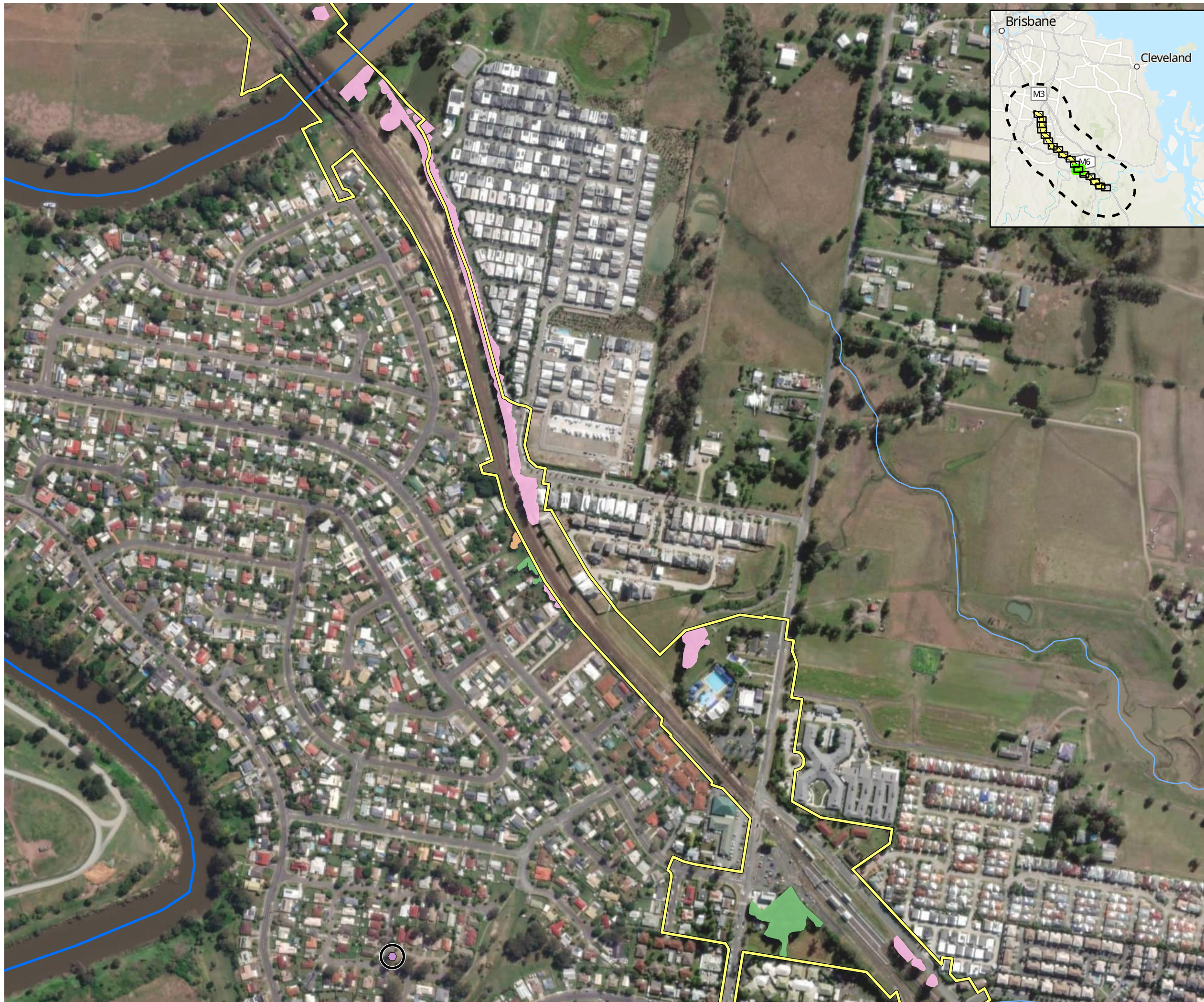
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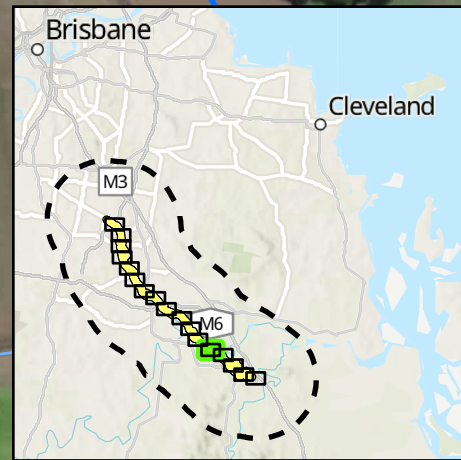
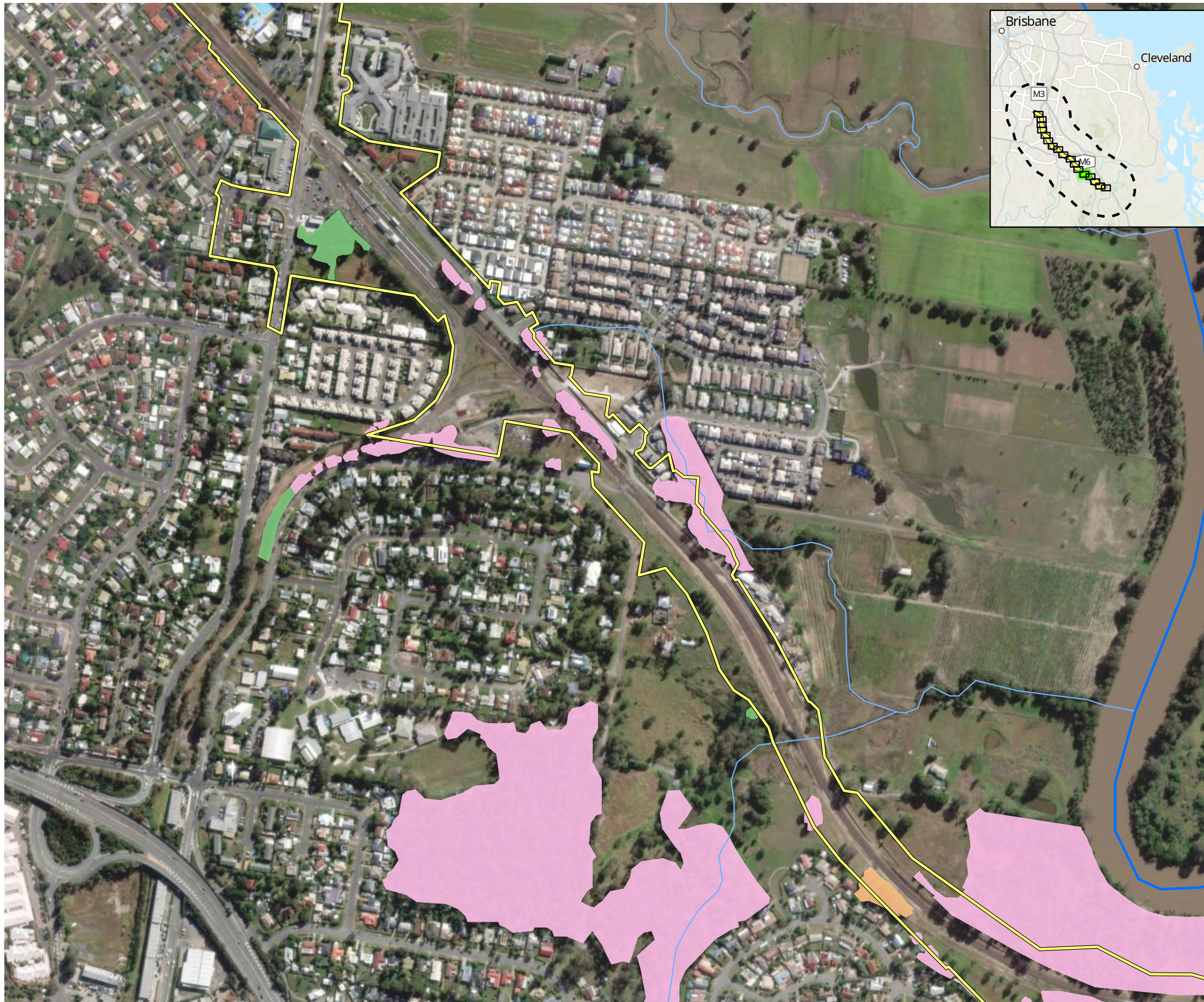
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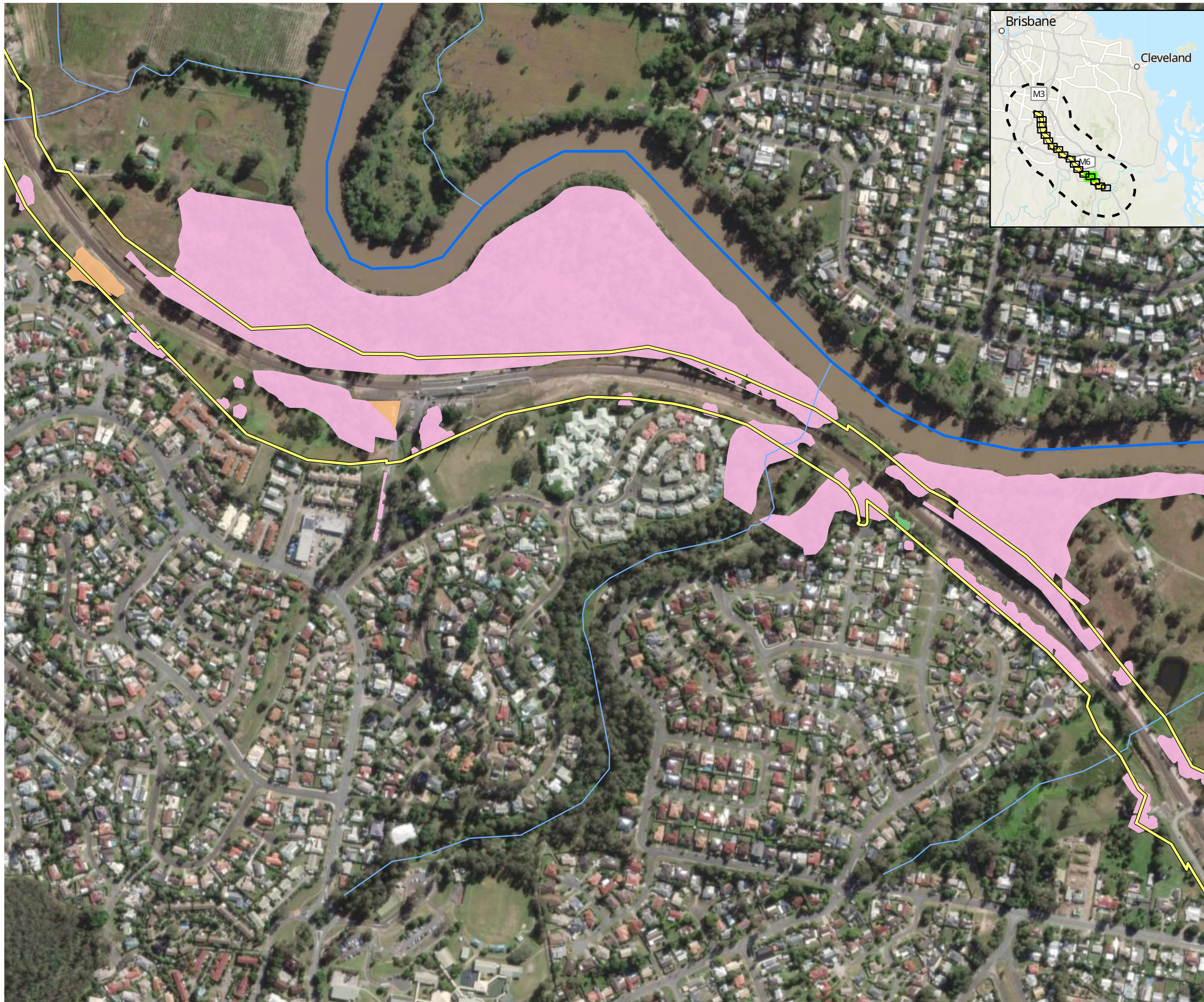


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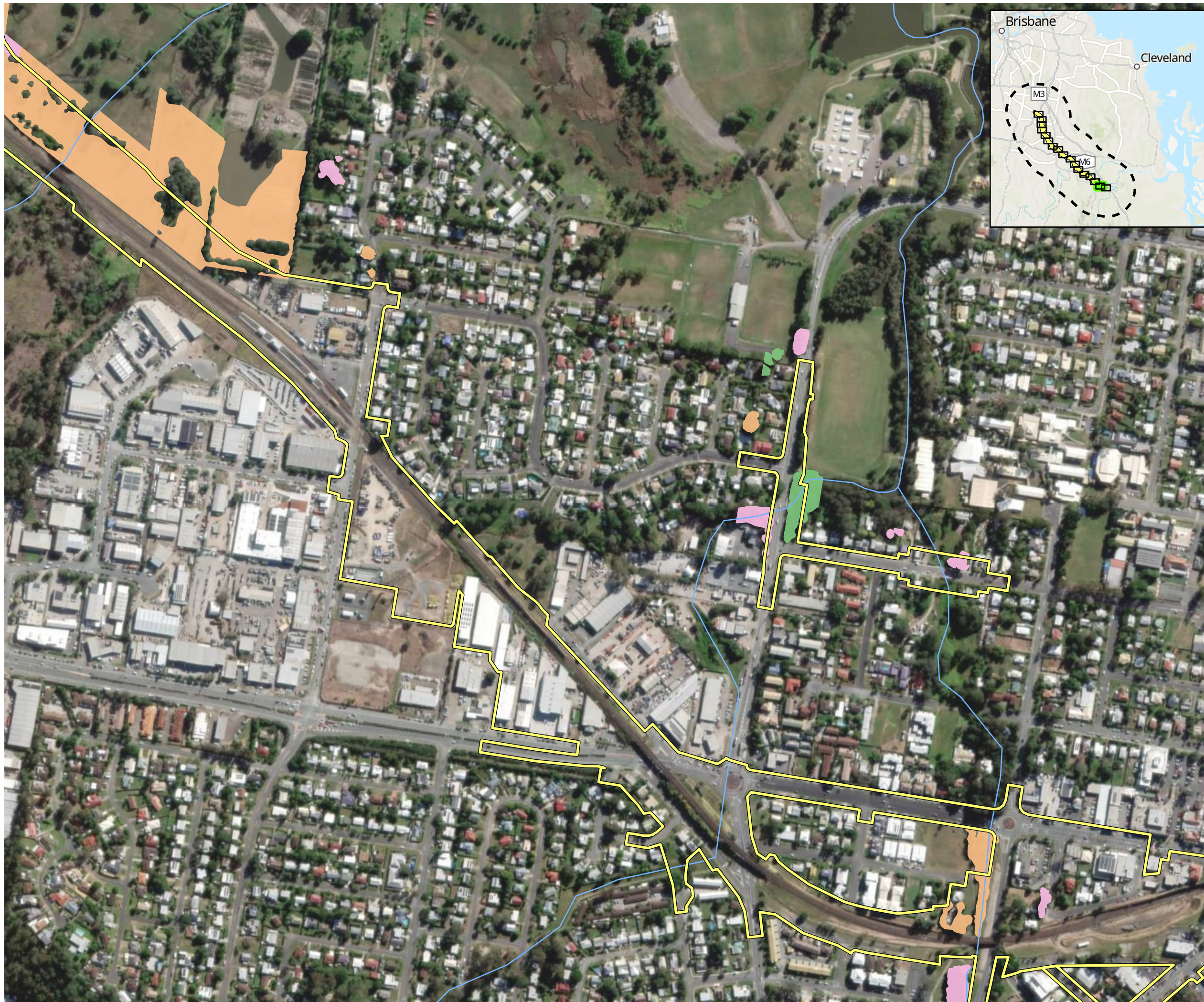
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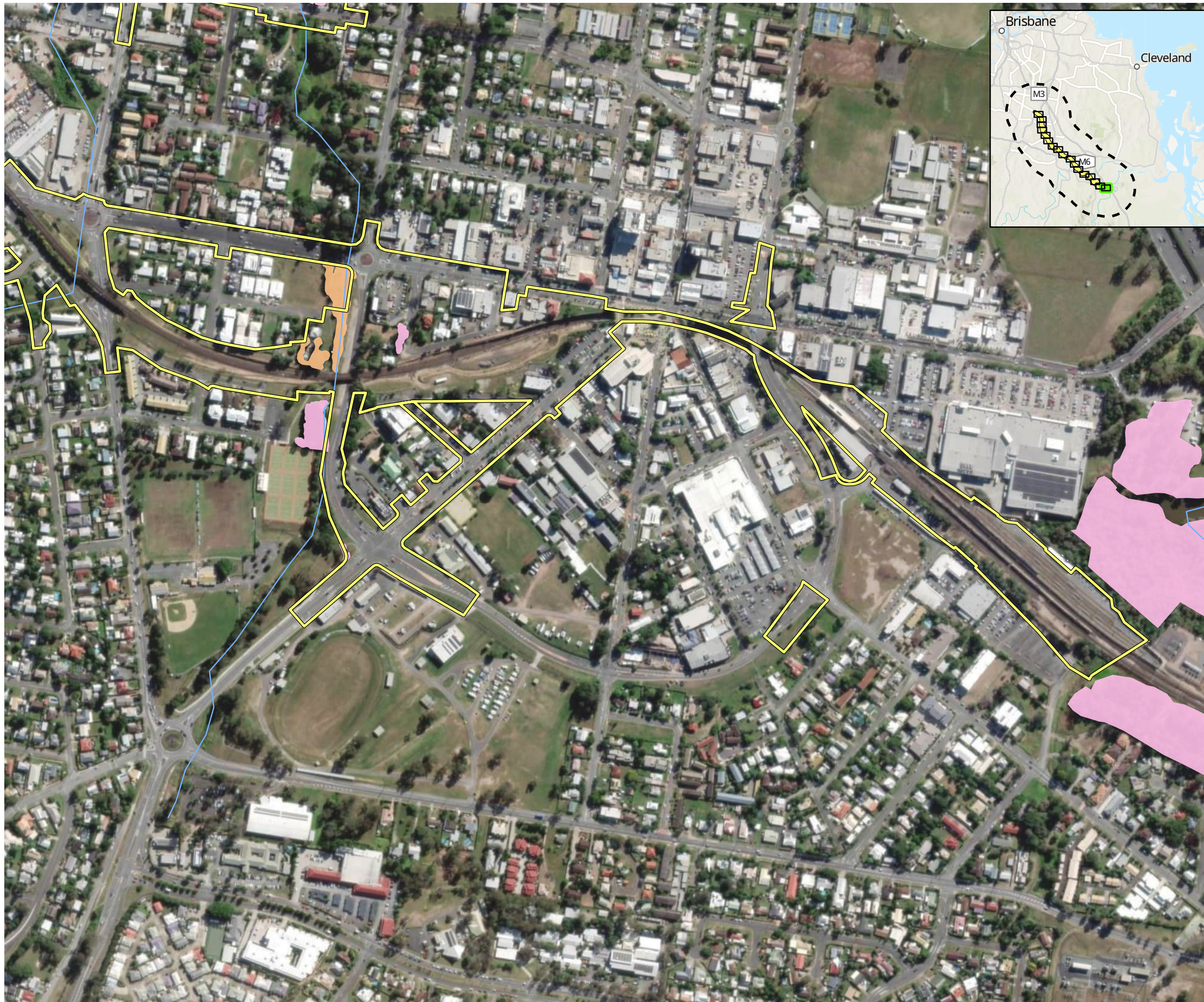
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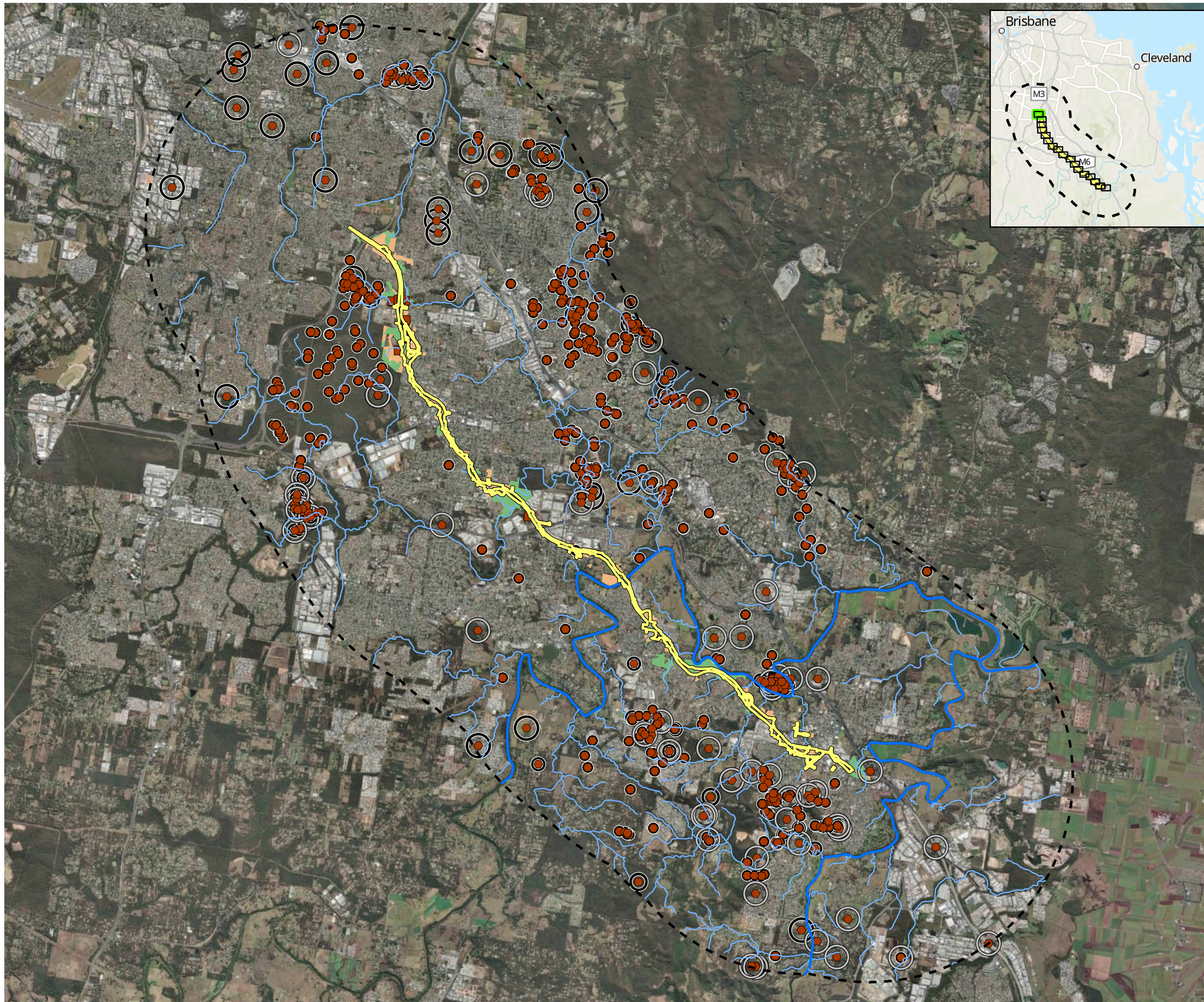
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Figure 15 Greater glider habitat and records

Figure 16 Koala habitat and records



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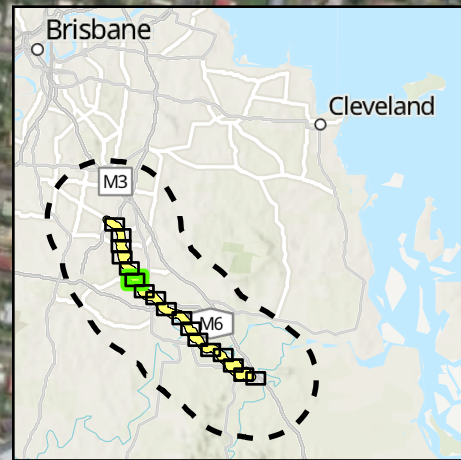
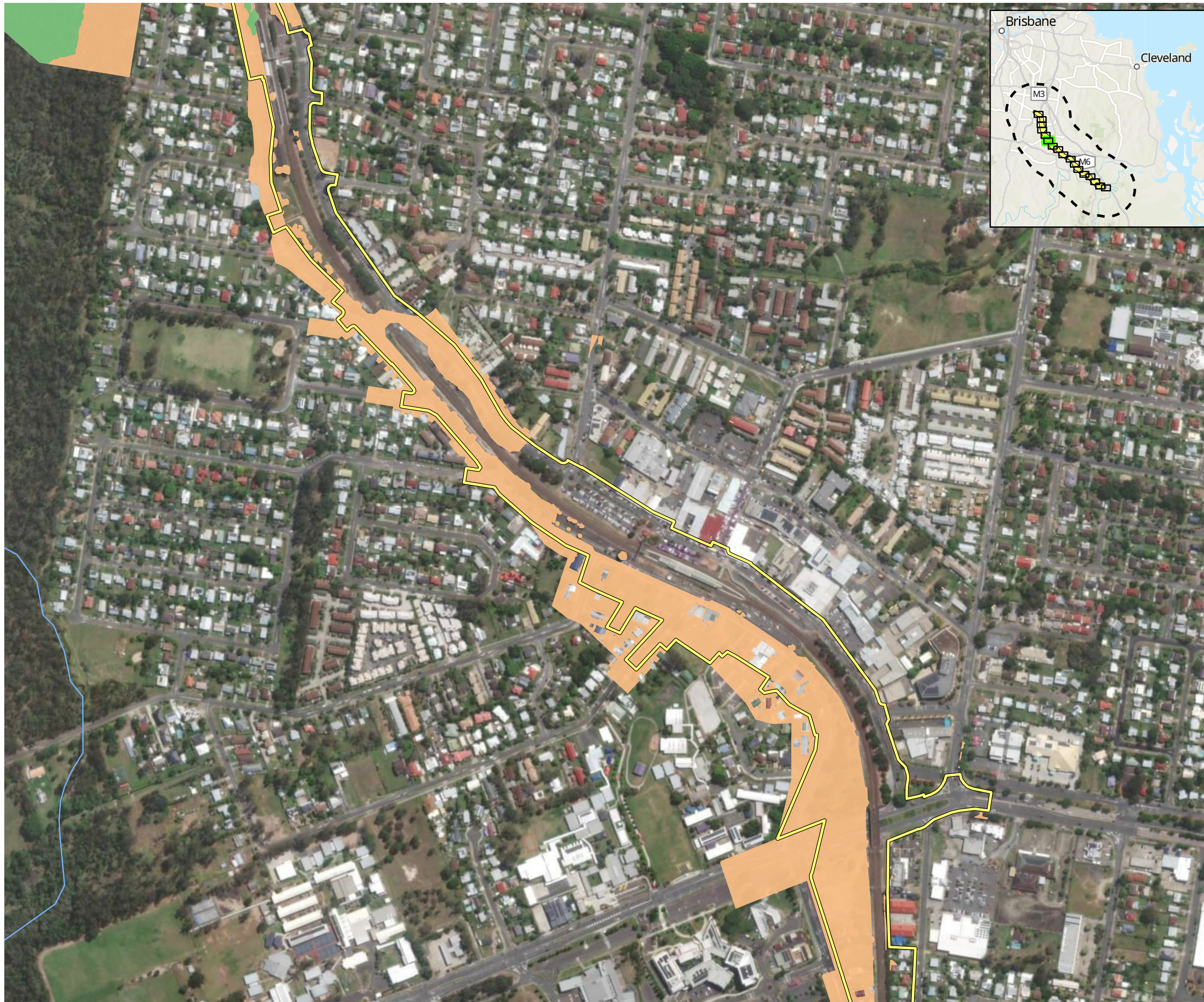
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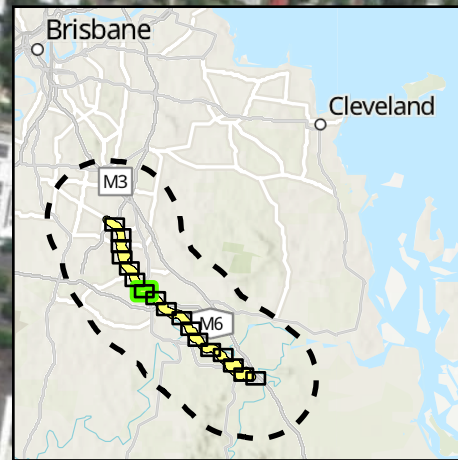
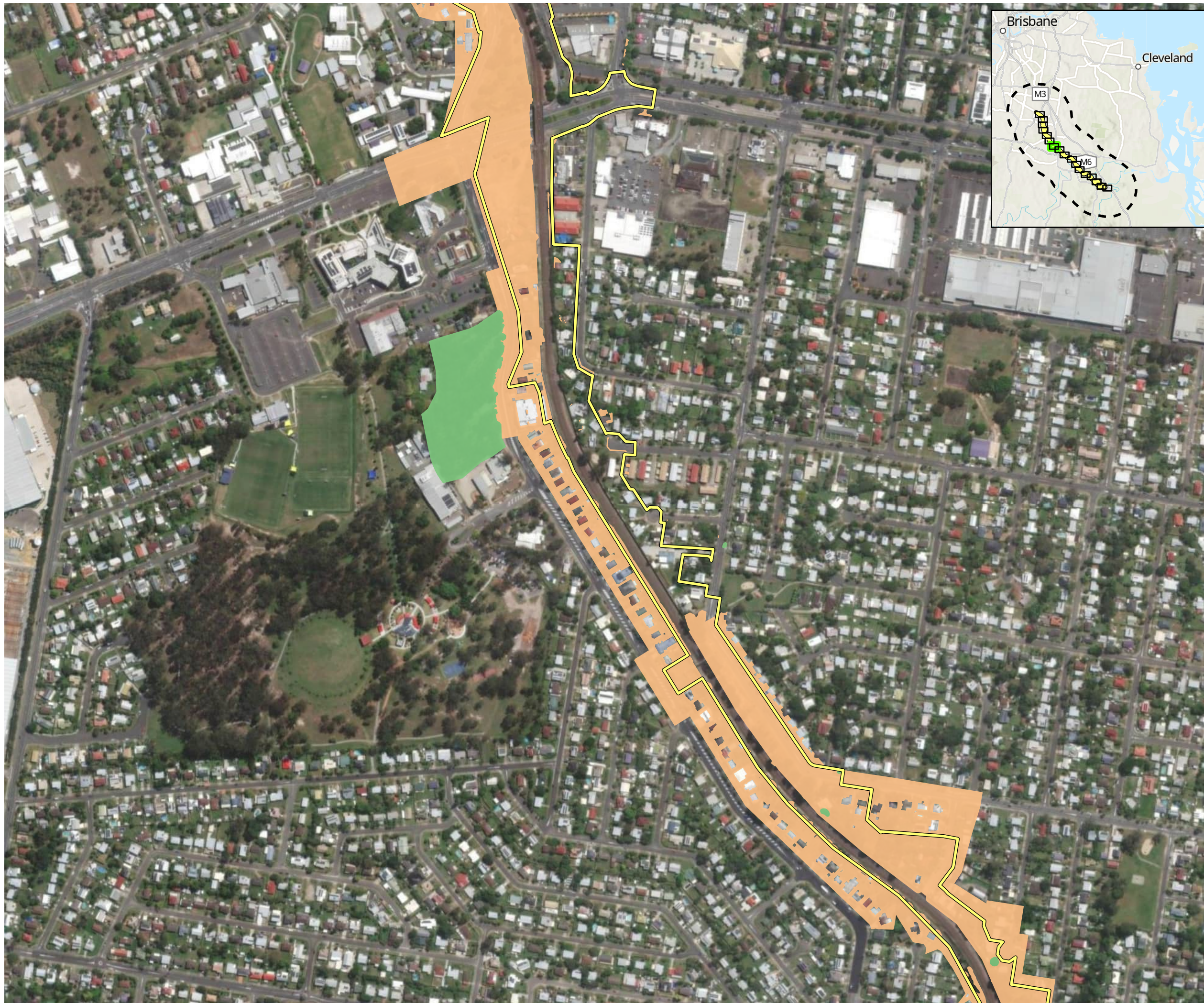


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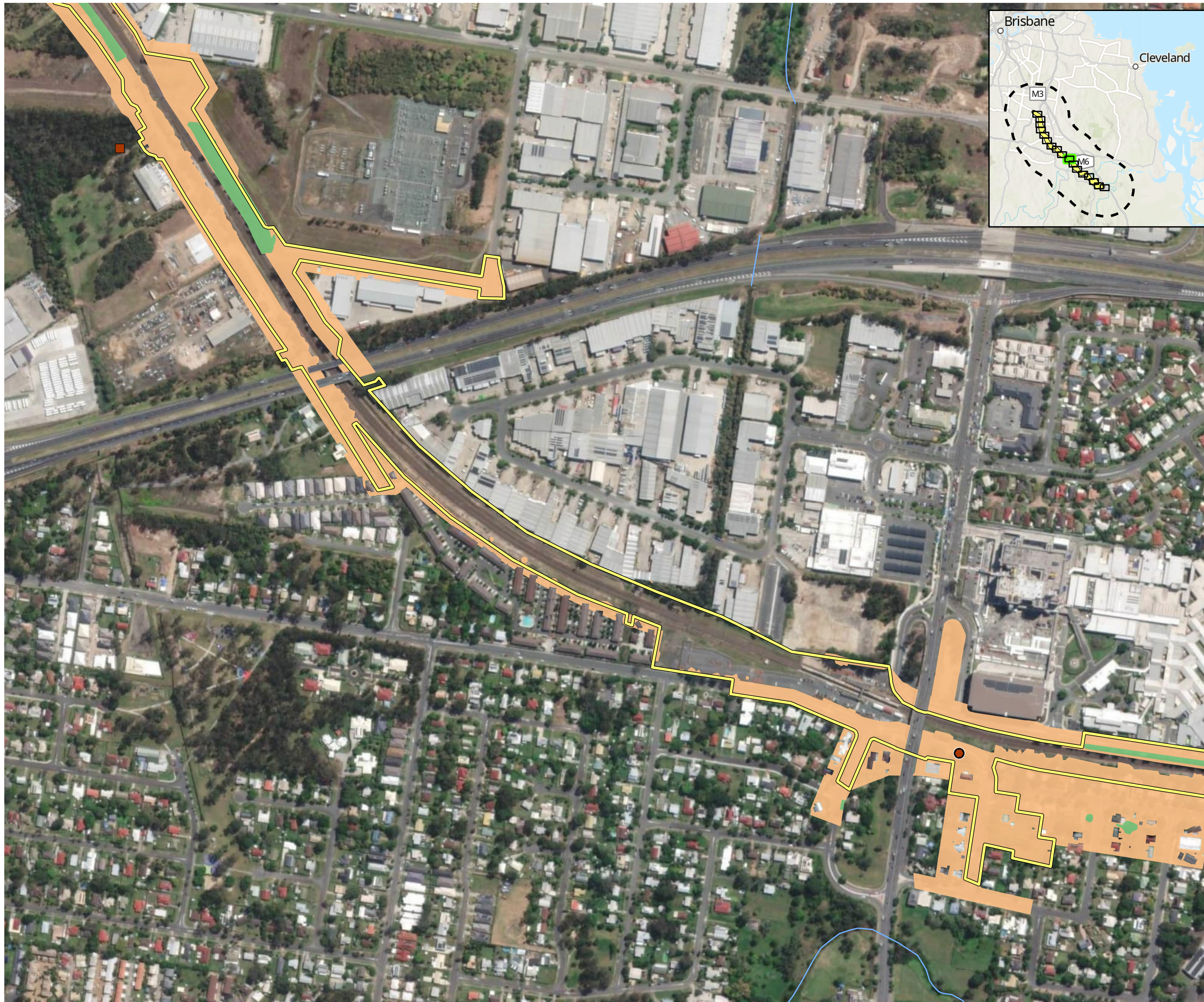
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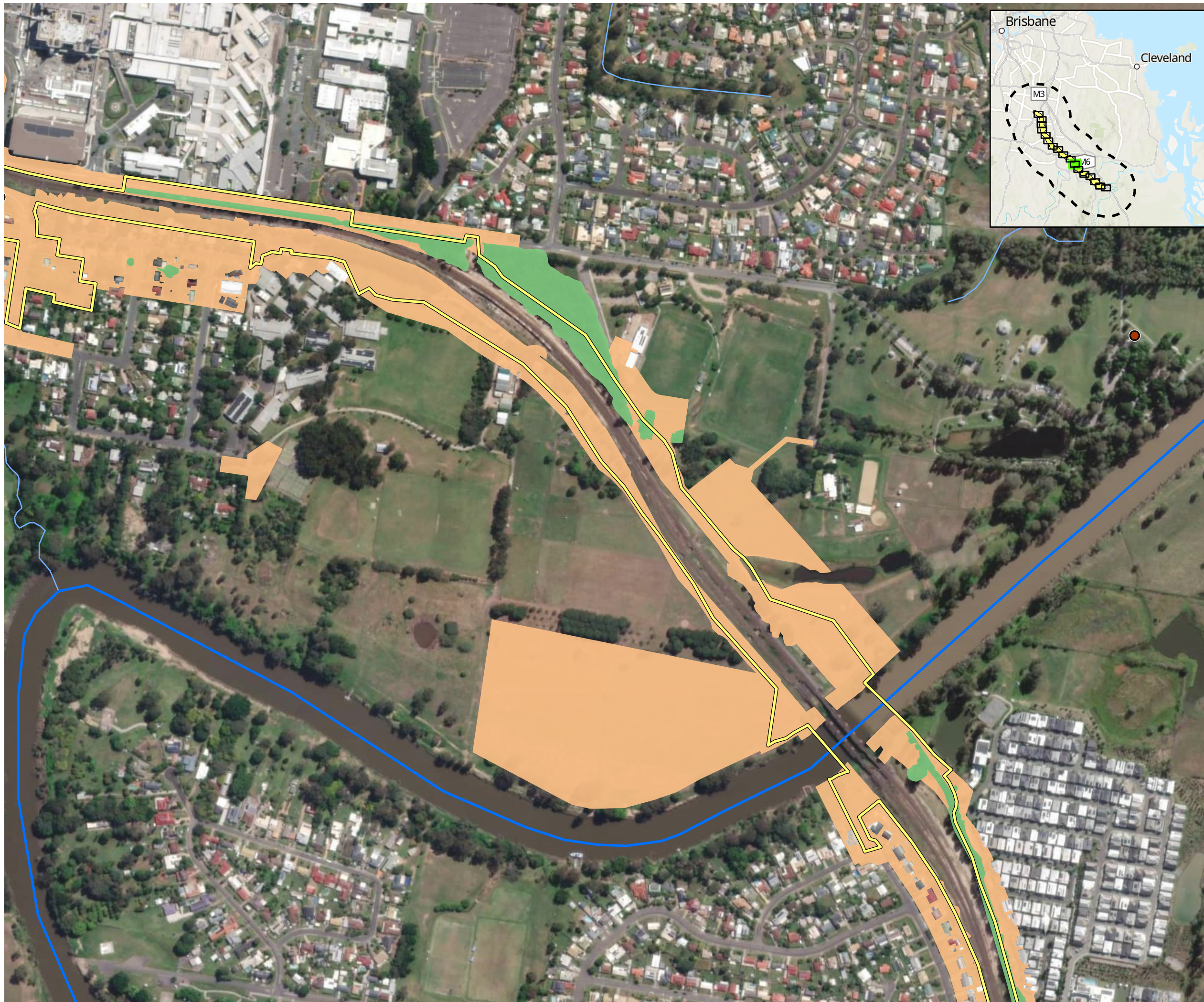
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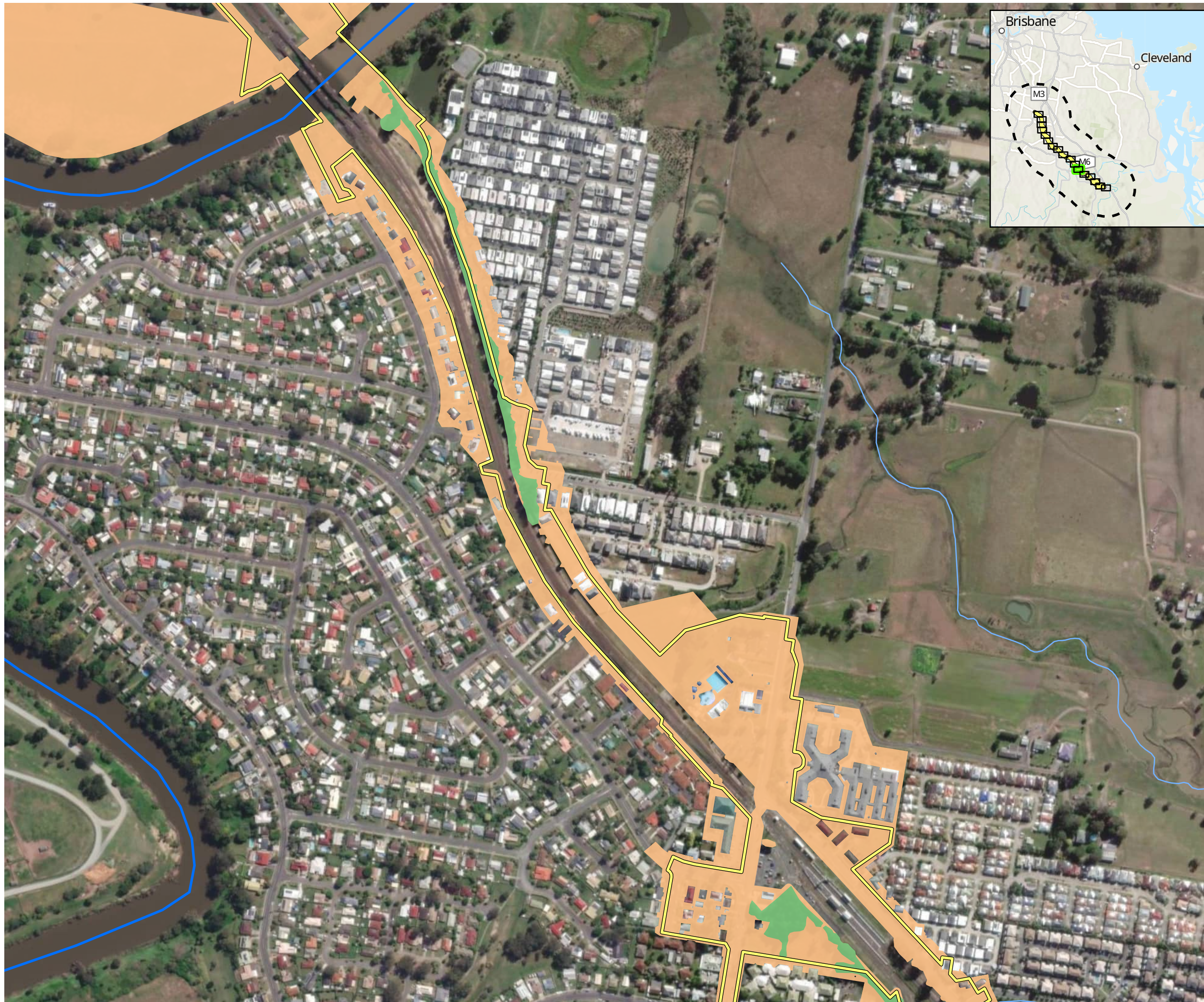
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AECOM



- Study area
- Impact area
- Watercourse (major)
- Watercourse (minor)
- Koala habitat (AECOM, 2024)**
- Foraging and breeding
- Shelter and dispersal
- Functionally lost
- Species records (ALA, 2024)**
- Koala
- Observation (AECOM, 2024)**
- Koala individual, scats or scratches
- Spatial uncertainty**
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Figure 16 Koala habitat and records

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Project: Logan and Gold Coast Faster Rail
Report: Preliminary Documentation - Supplementary MNES Report
Client: Department of Transport and Main Roads
Project Number: 60681907
Date: 12/02/2025

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Figure 16 Koala habitat and records

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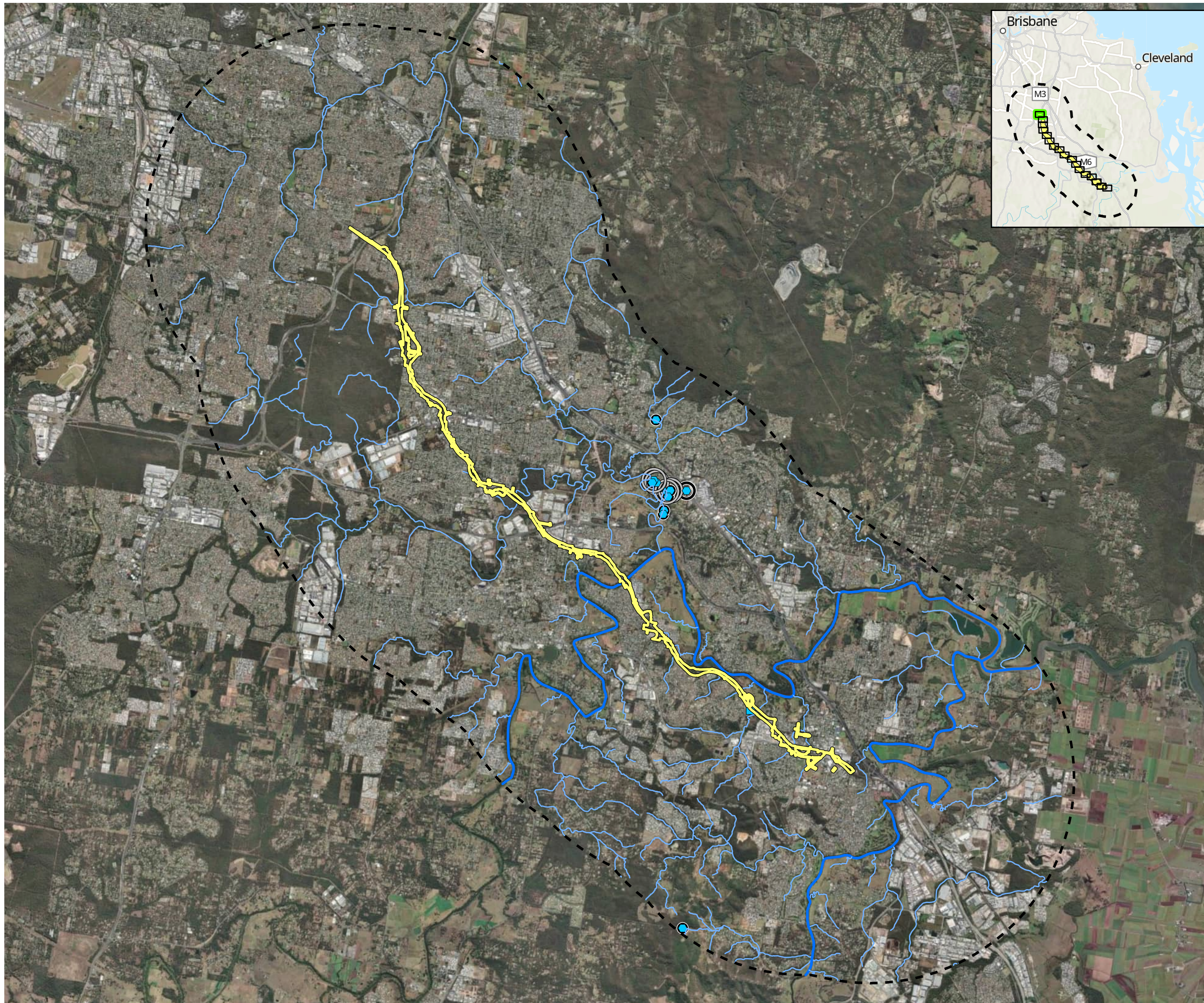
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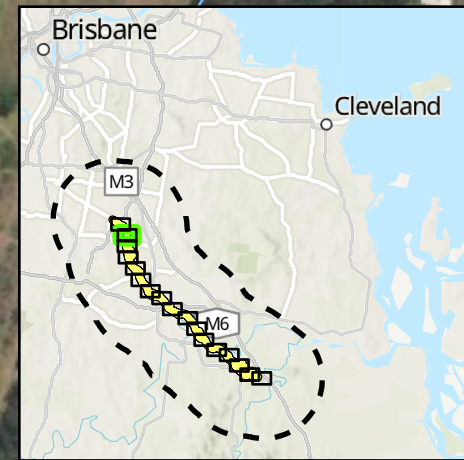
Figure 16 Koala habitat and records

Figure 17 Angle-stemmed myrtle habitat and records



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Figure 17 Angle-stemmed myrtle habitat and records



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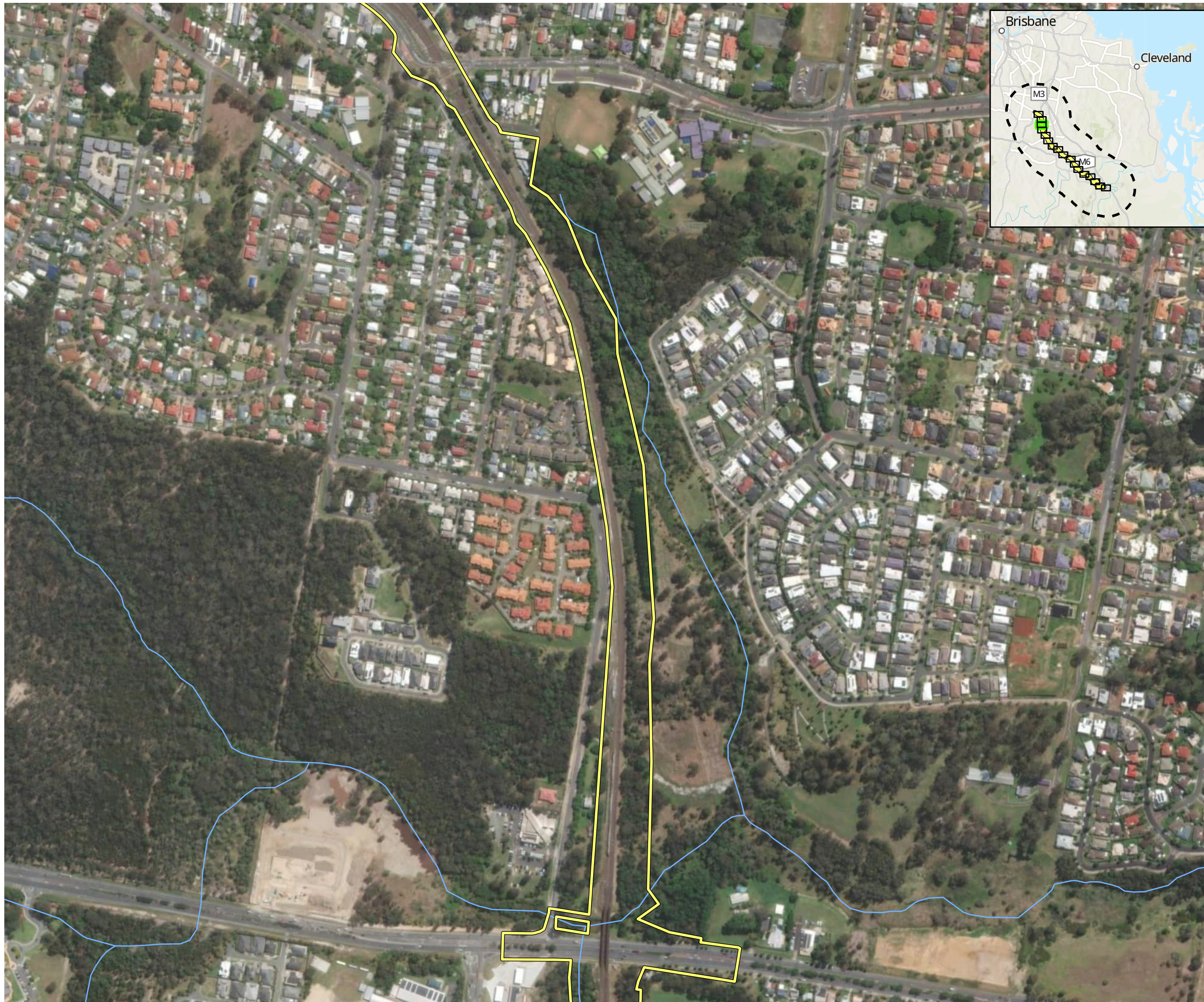
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Figure 17 Angle-stemmed myrtle habitat and records

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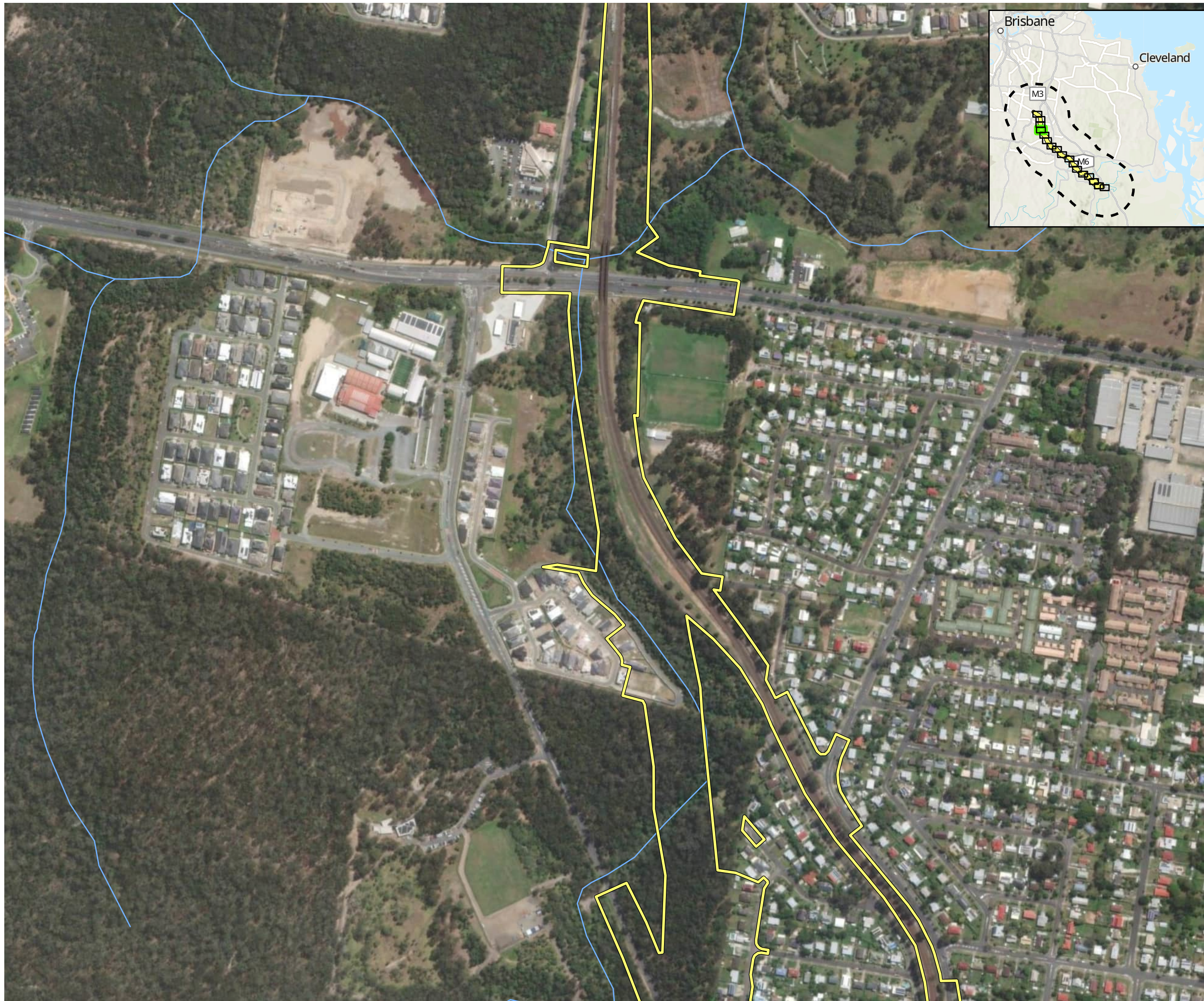
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Figure 17 Angle-stemmed myrtle habitat and records

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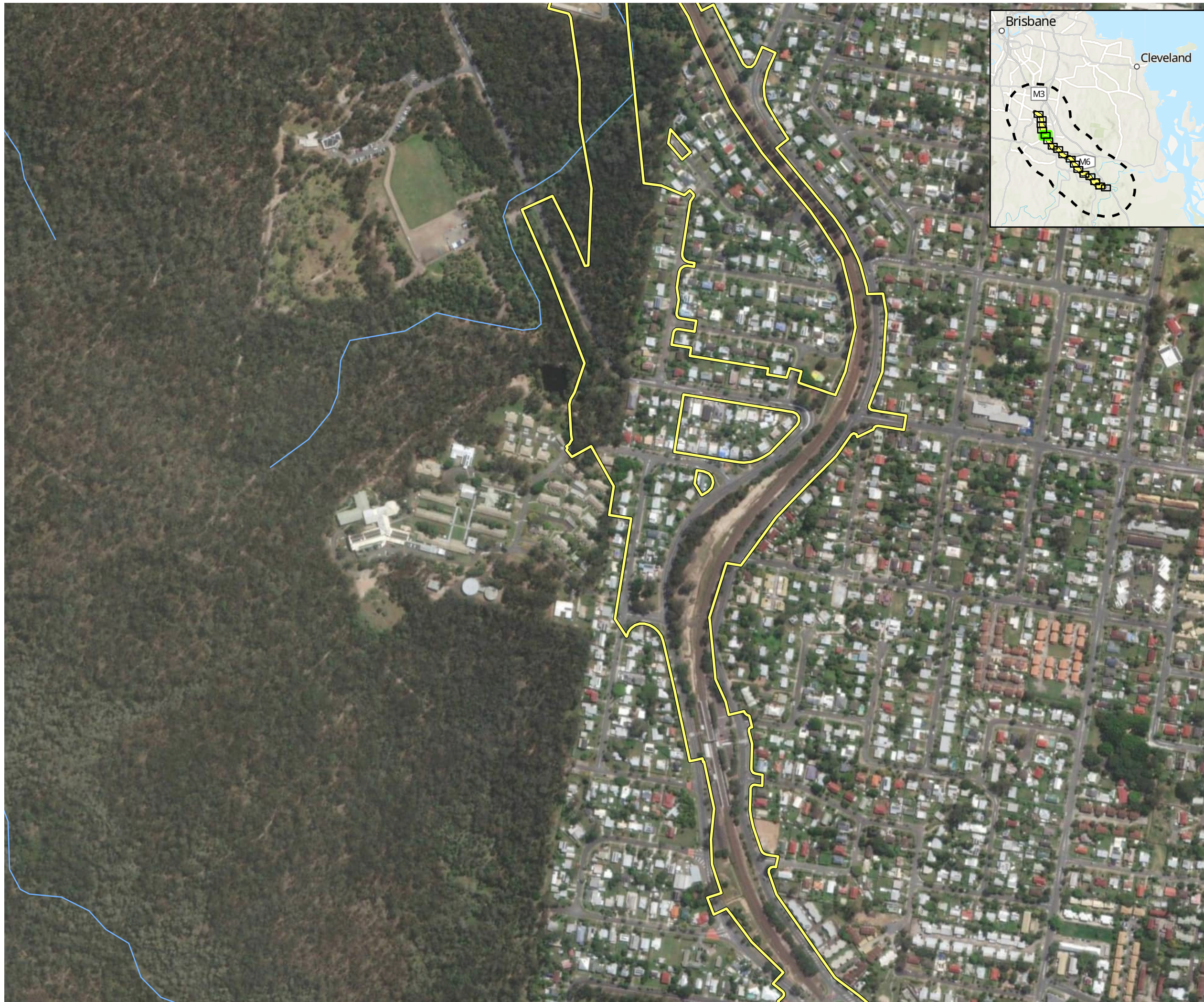
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Figure 17 Angle-stemmed myrtle habitat and records

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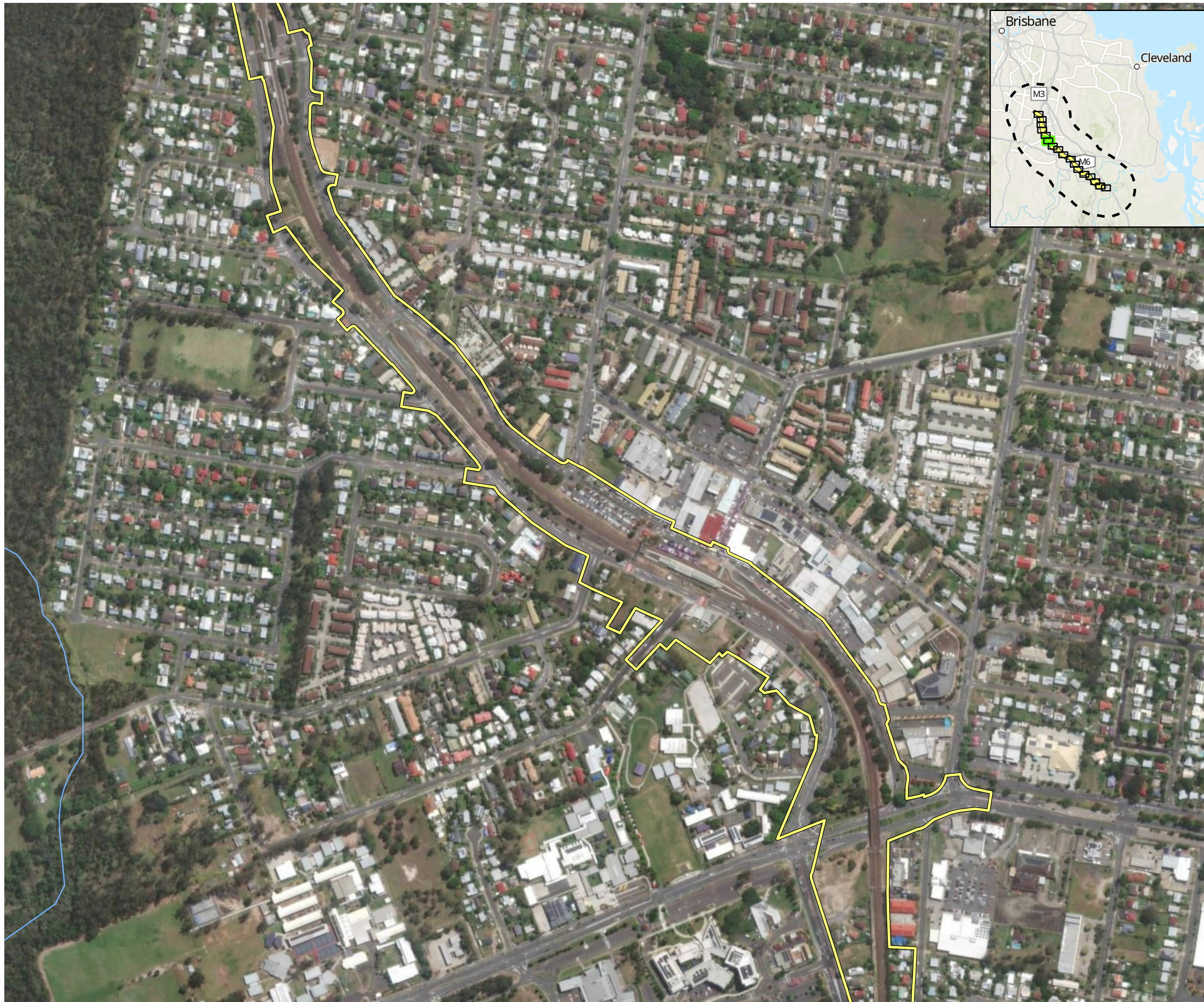
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Figure 17 Angle-stemmed myrtle habitat and records

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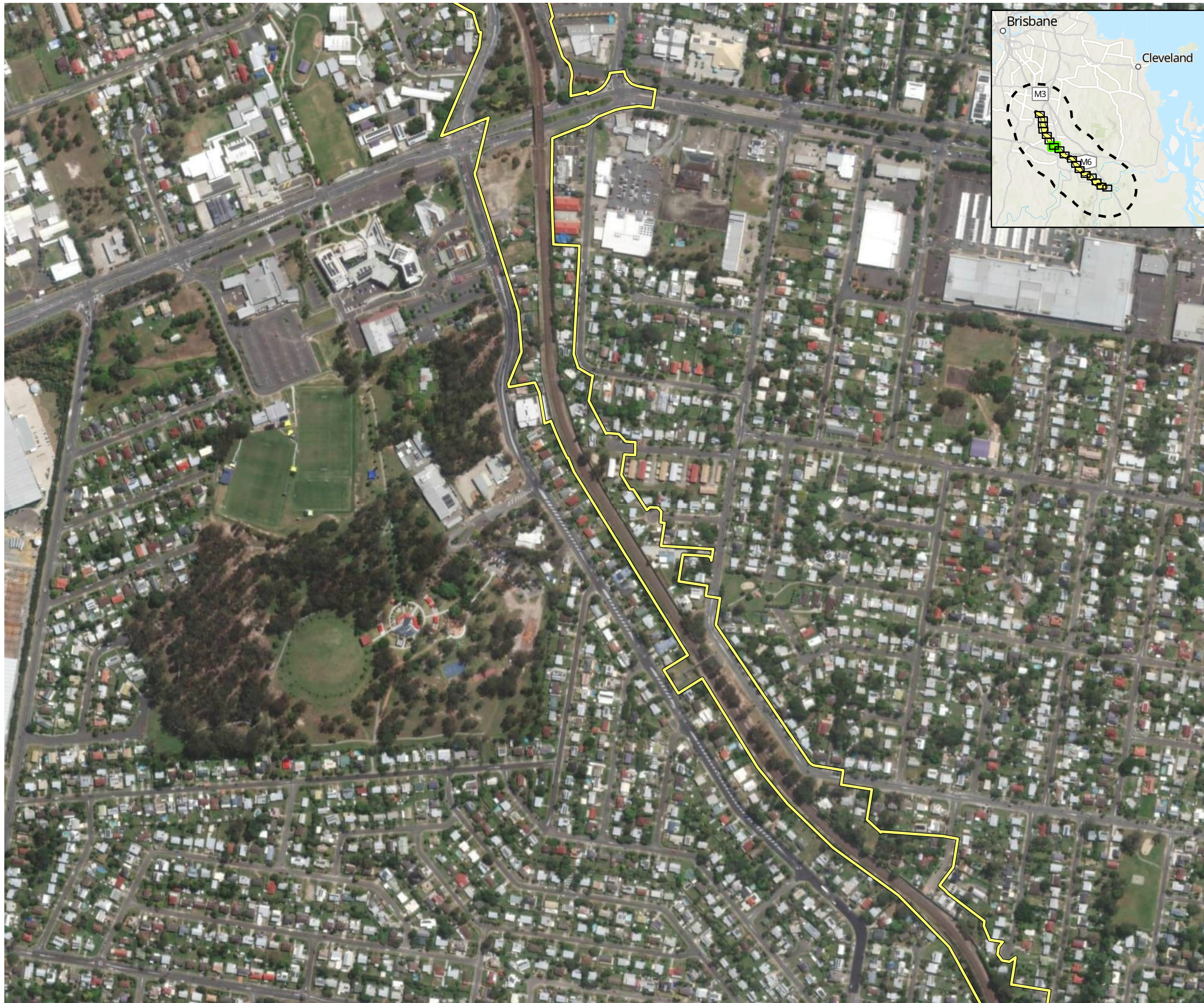
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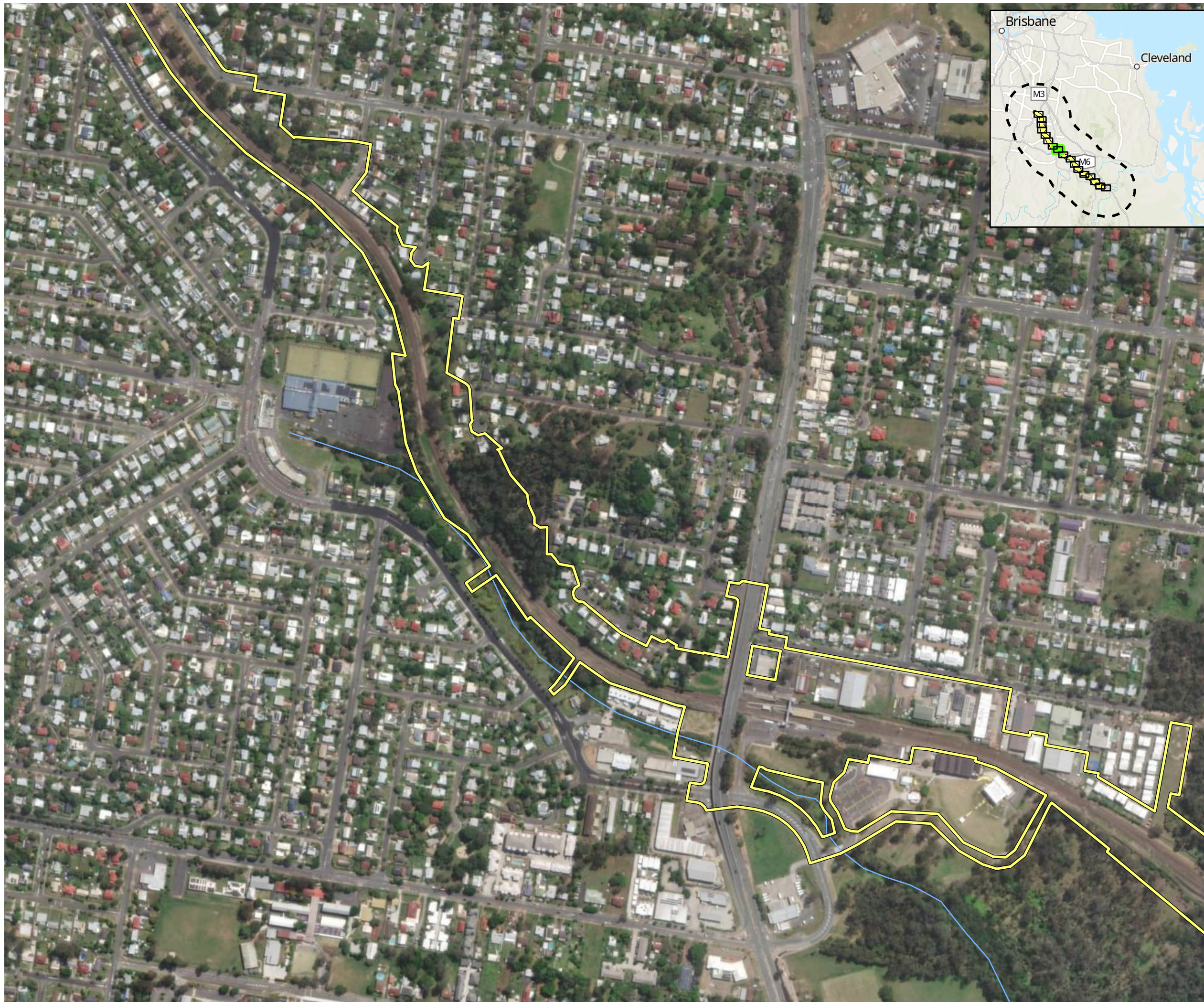
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Figure 17 Angle-stemmed myrtle habitat and records



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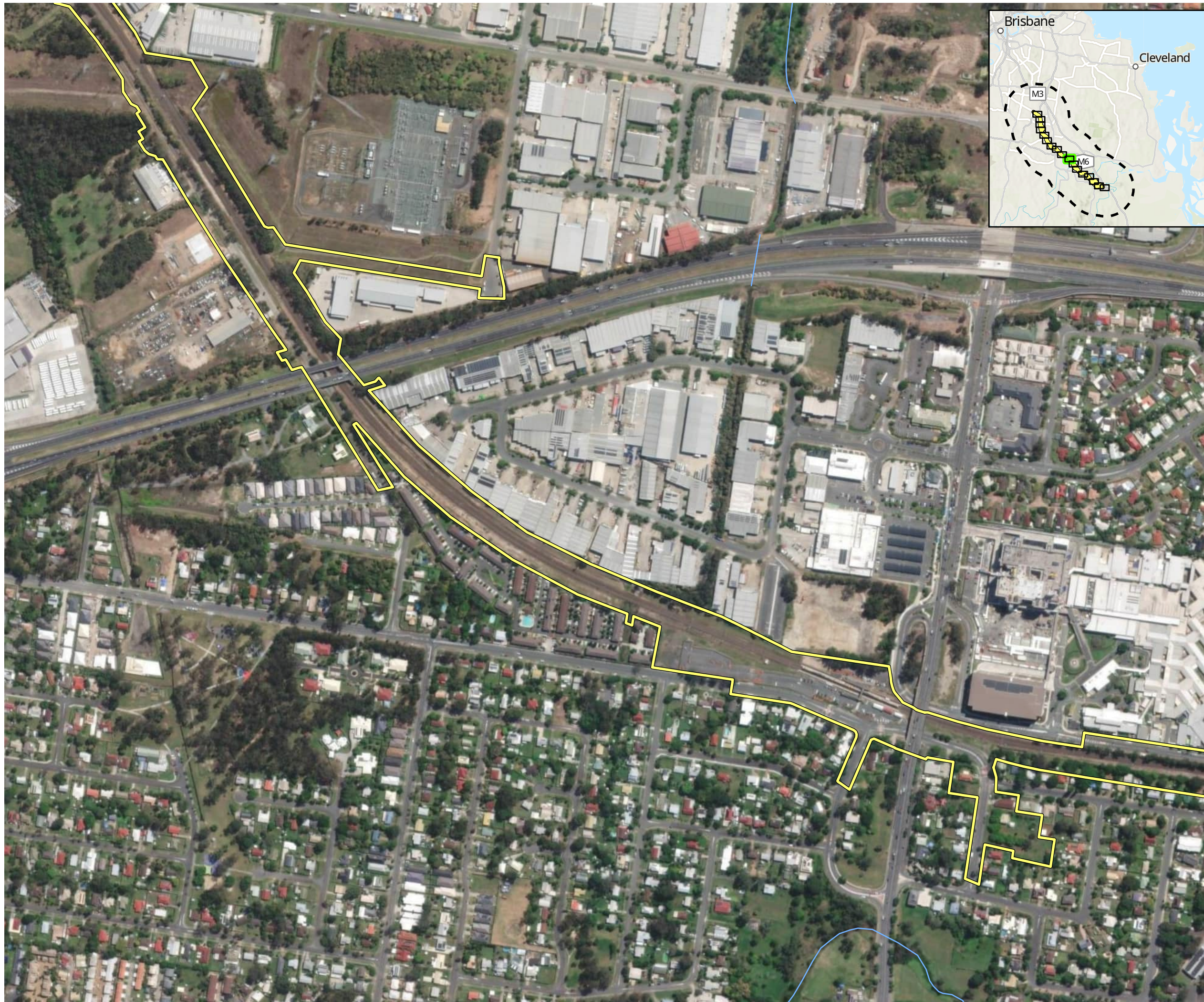
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Figure 17 Angle-stemmed myrtle habitat and records

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Client: Department of Transport and Main Roads
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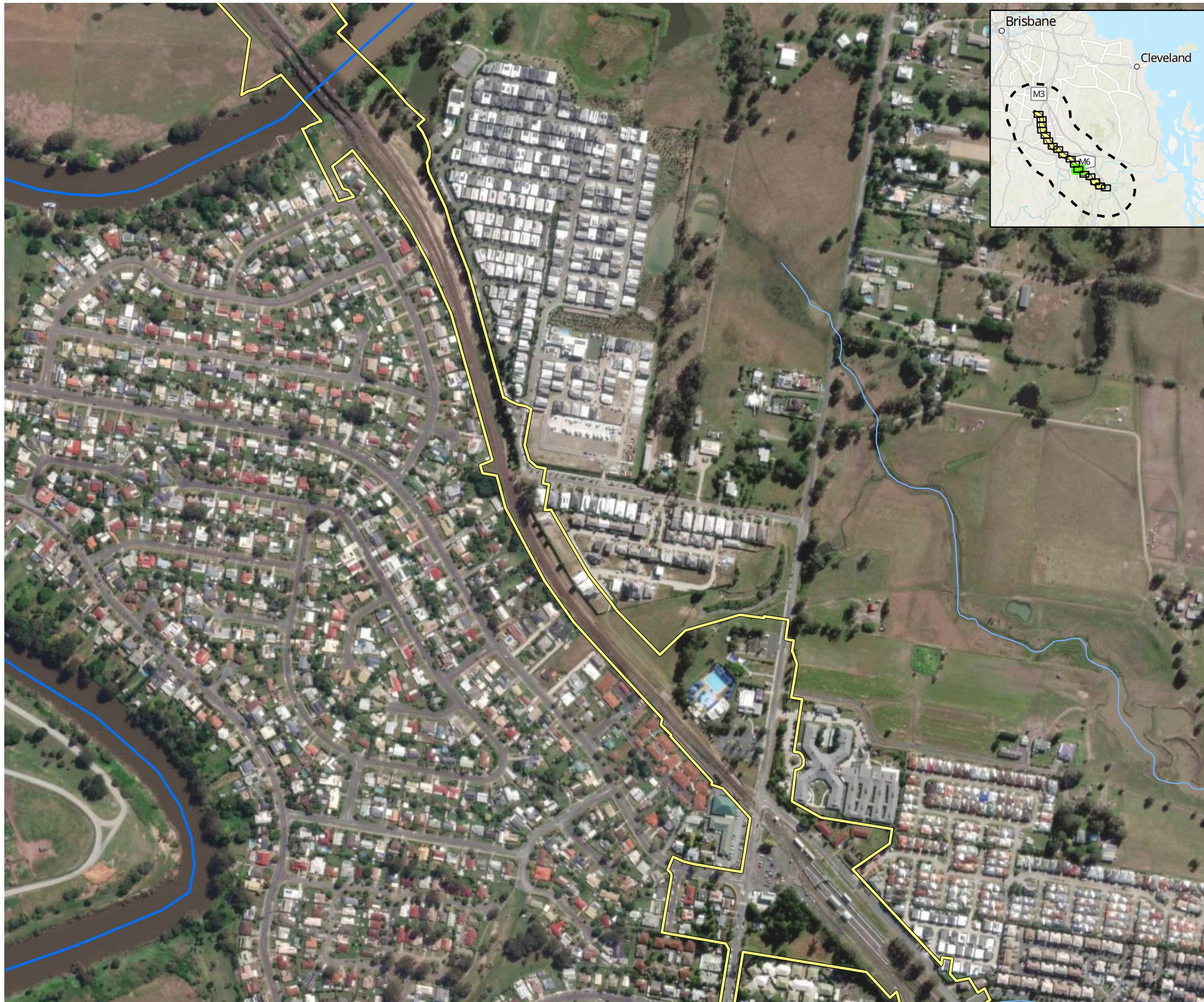
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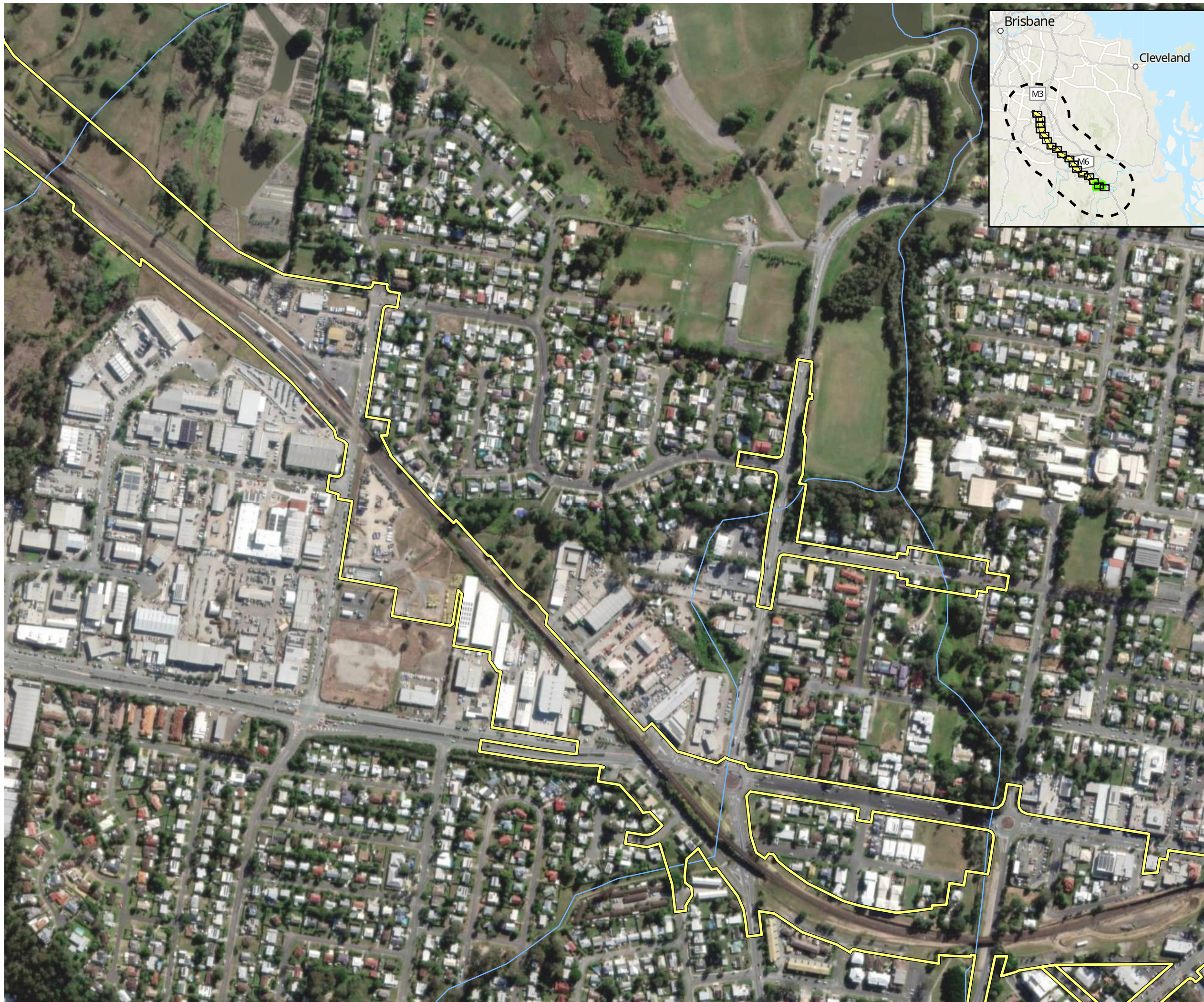
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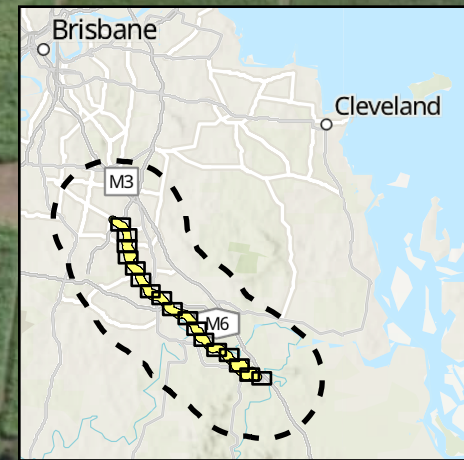
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AECOM



- Study area
- Impact area
- Watercourse (major)
- Watercourse (minor)
- Angle-stemmed myrtle habitat (AECOM, 2024)**
-
- Species observation (AECOM, 2024)**
- Angle-stemmed myrtle
- Species records post 2014 (ALA, 2024)**
- Angle-stemmed myrtle
- Spatial uncertainty**
- No spatial uncertainty specified
- <250 m spatial uncertainty
- 250 m-1 km spatial uncertainty
- 1-5 km spatial uncertainty
- 5-10 km spatial uncertainty
- >10 km spatial uncertainty

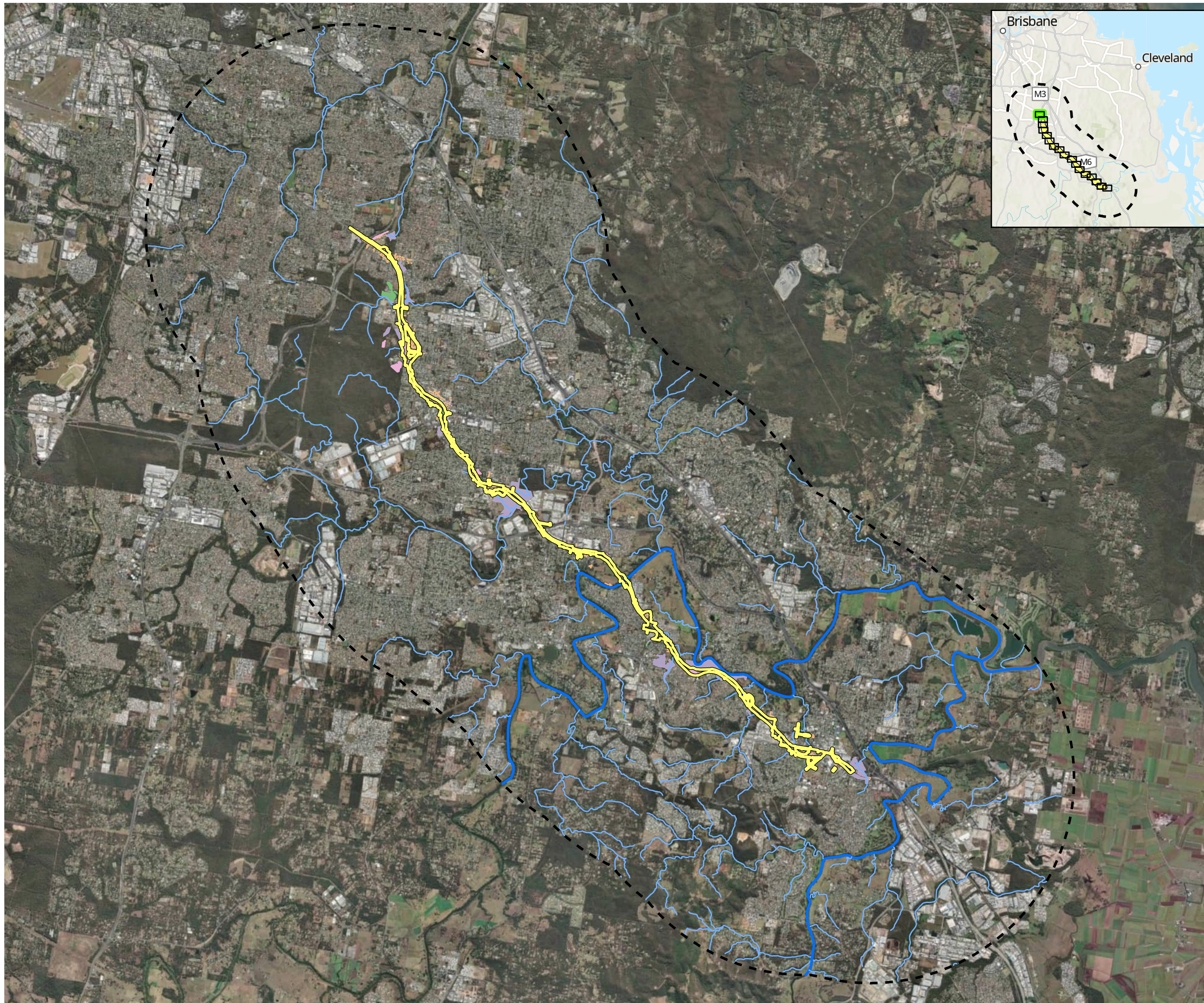
Figure 17 Angle-stemmed myrtle habitat and records

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Project: Logan and Gold Coast Faster Rail
Report: Preliminary Documentation - Supplementary MNES Report
Client: Department of Transport and Main Roads
Project Number: 60681907
Date: 12/02/2025

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Figure 18 South-eastern glossy black cockatoo habitat and records



AECOM



0 2,000 m

- Study area
- Impact area
- Watercourse (major)
- Watercourse (minor)
- South-eastern glossy black cockatoo habitat (AECOM, 2024)**
- Breeding
- Breeding and Foraging
- Foraging
- Dispersal

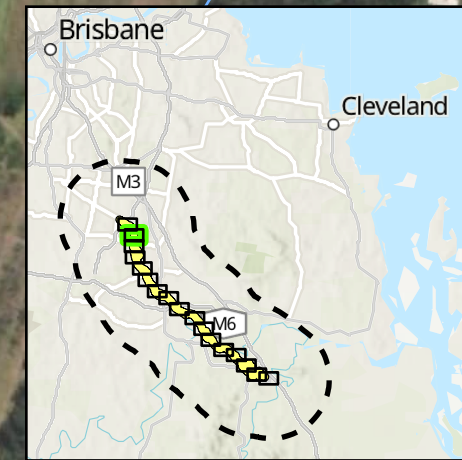
Figure 18 South-eastern glossy black cockatoo habitat and records

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Figure 18 South-eastern glossy black cockatoo habitat and records

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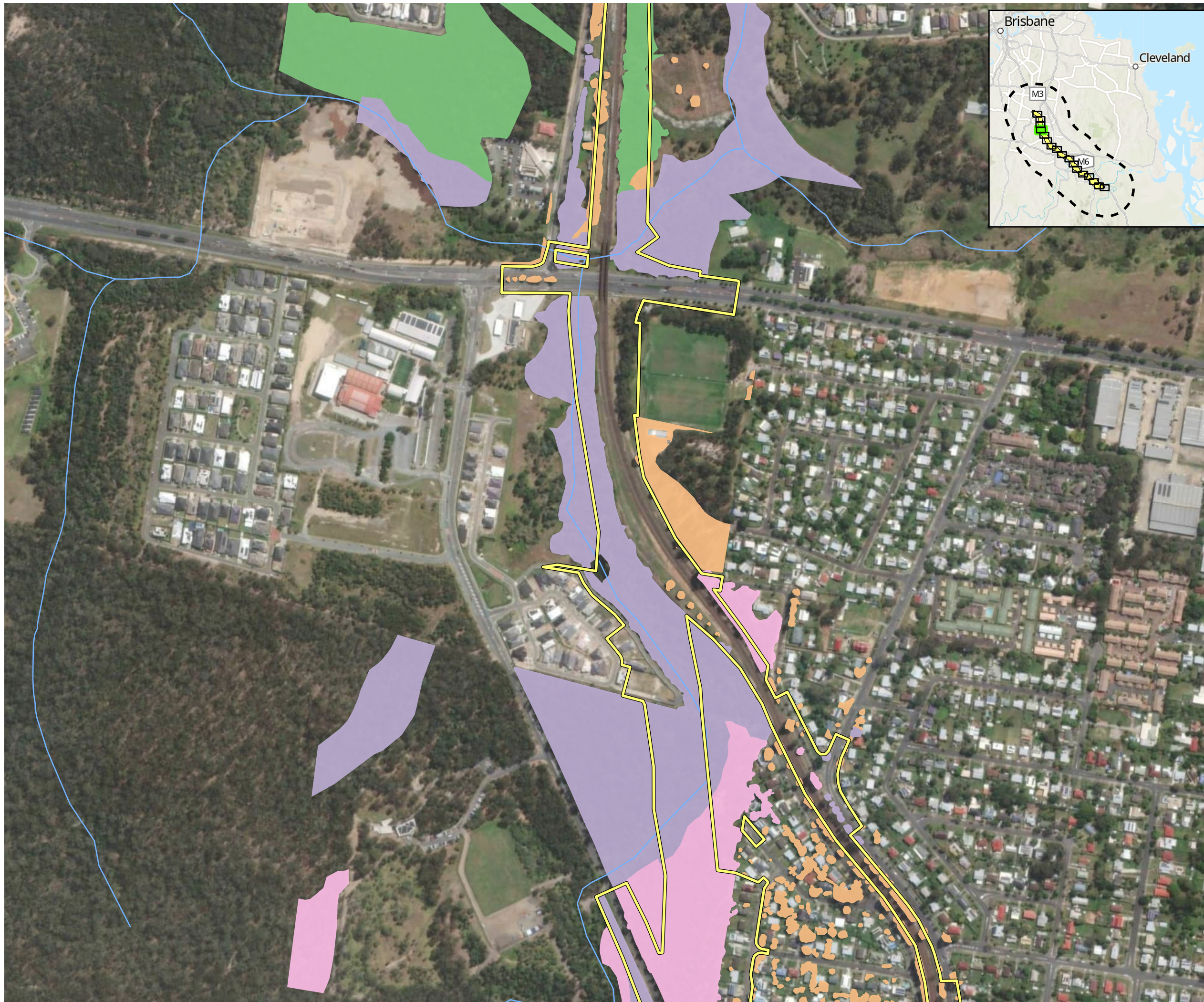
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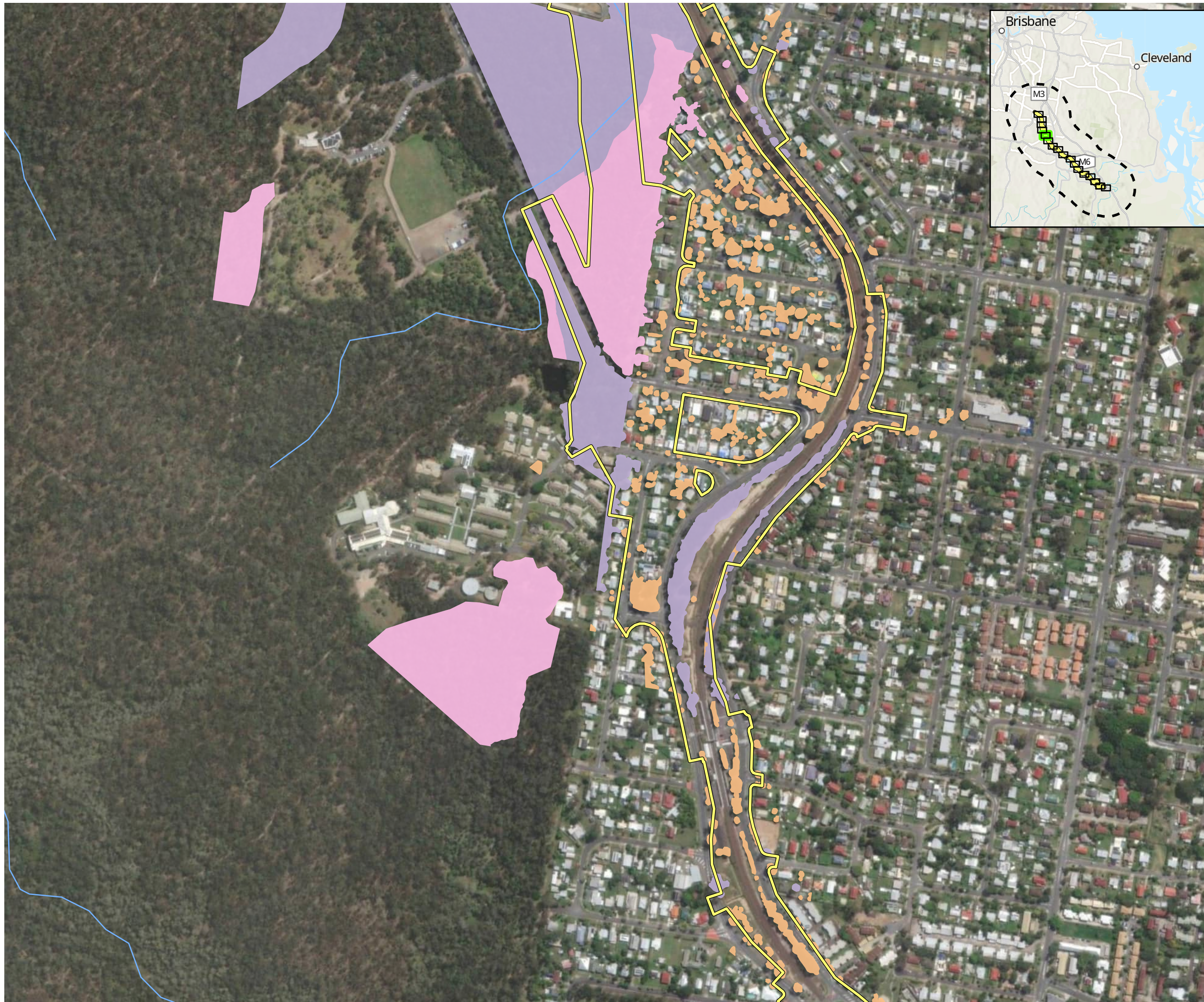
- Study area
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- Watercourse (minor)
- South-eastern glossy black cockatoo habitat (AECOM, 2024)**
- Breeding
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- Foraging
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Figure 18 South-eastern glossy black cockatoo habitat and records



- Study area
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- Watercourse (minor)
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- Breeding
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Figure 18 South-eastern glossy black cockatoo habitat and records



AECOM



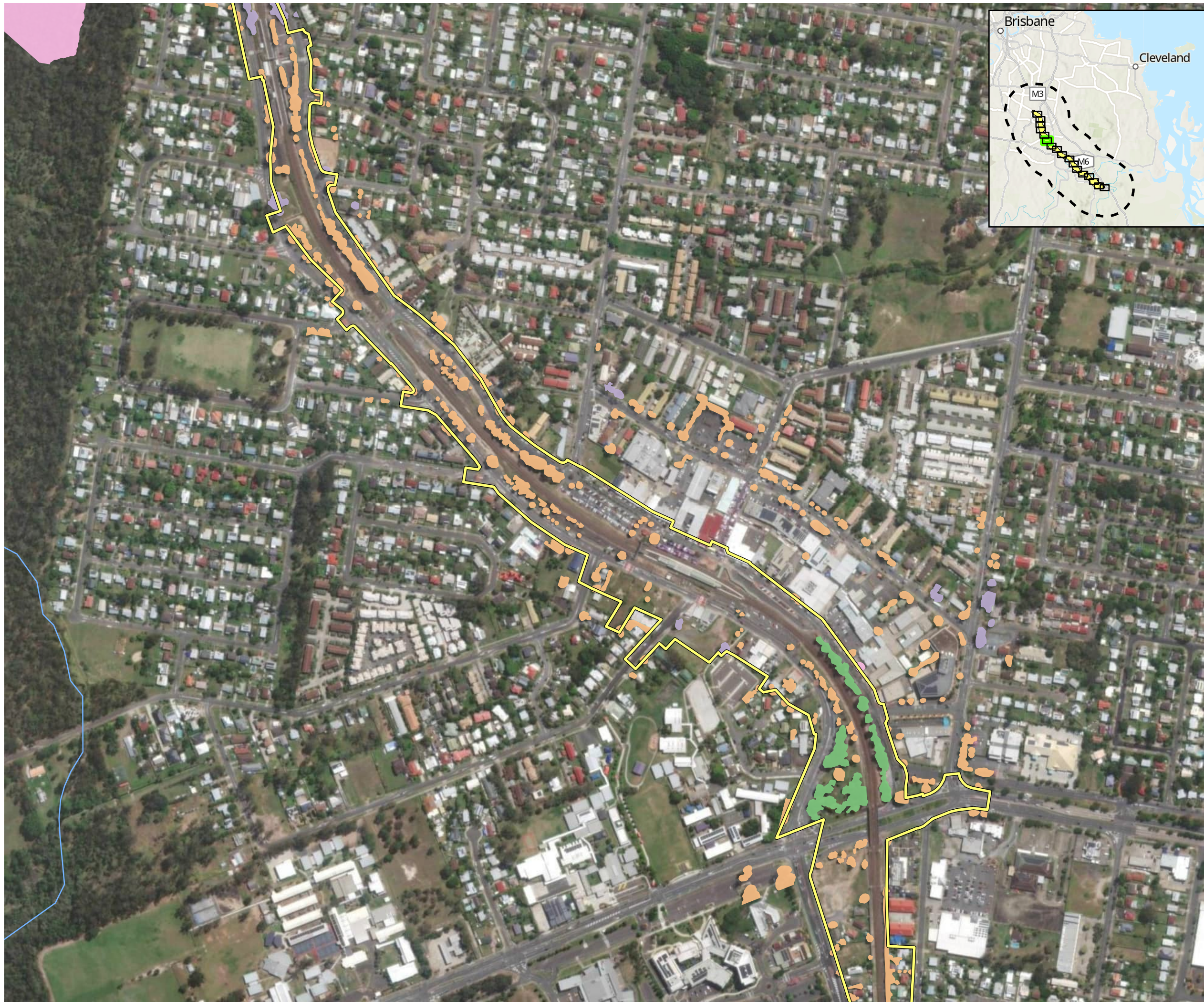
- Study area
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 - Dispersal

Figure 18 South-eastern glossy black cockatoo habitat and records

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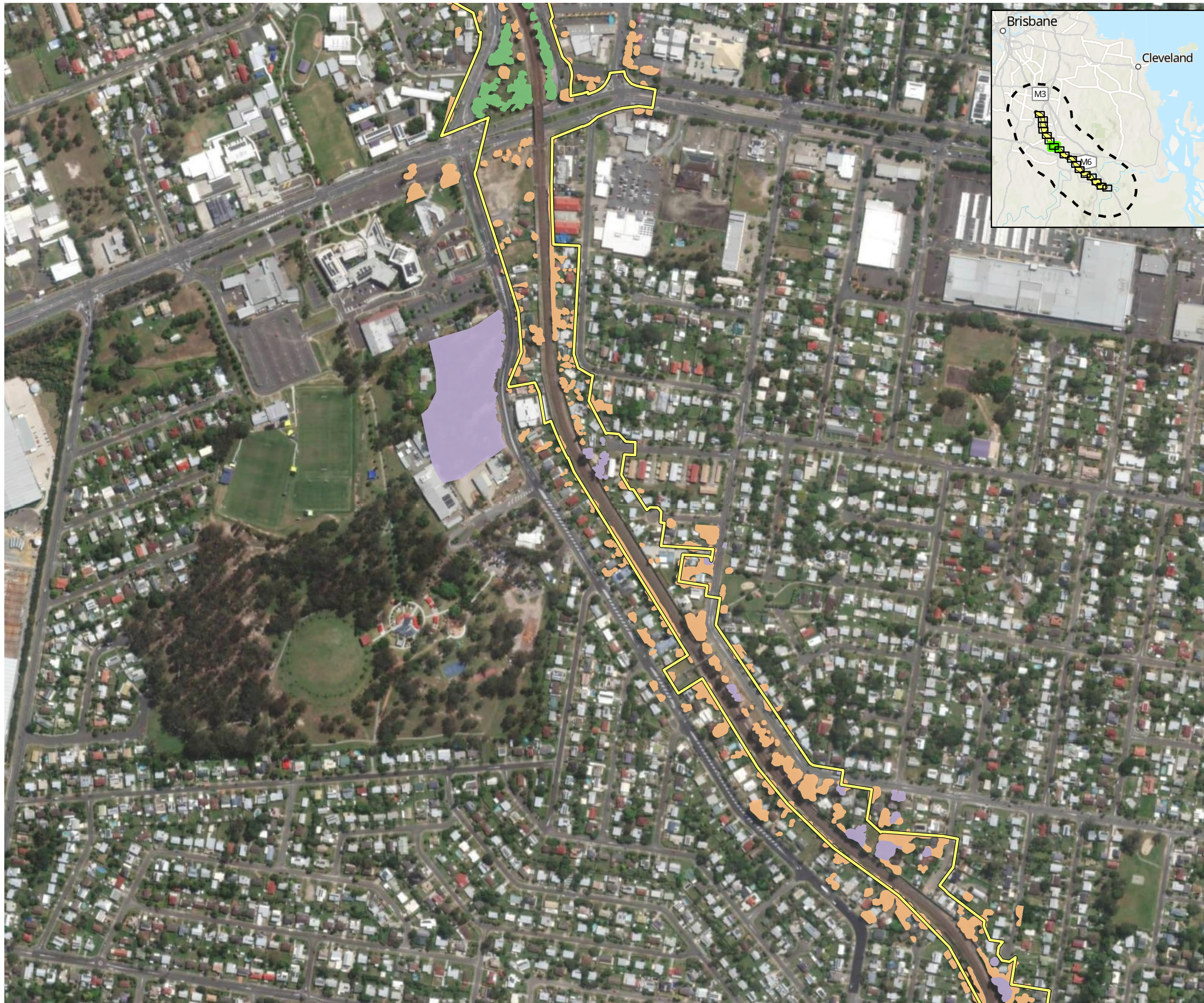
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- Study area
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Figure 18 South-eastern glossy black cockatoo habitat and records



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Figure 18 South-eastern glossy black cockatoo habitat and records

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AECOM



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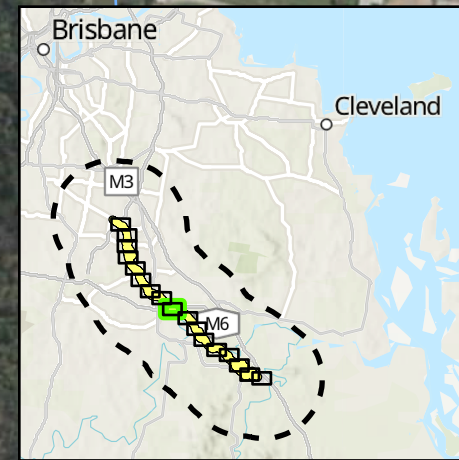
Figure 18 South-eastern glossy black cockatoo habitat and records

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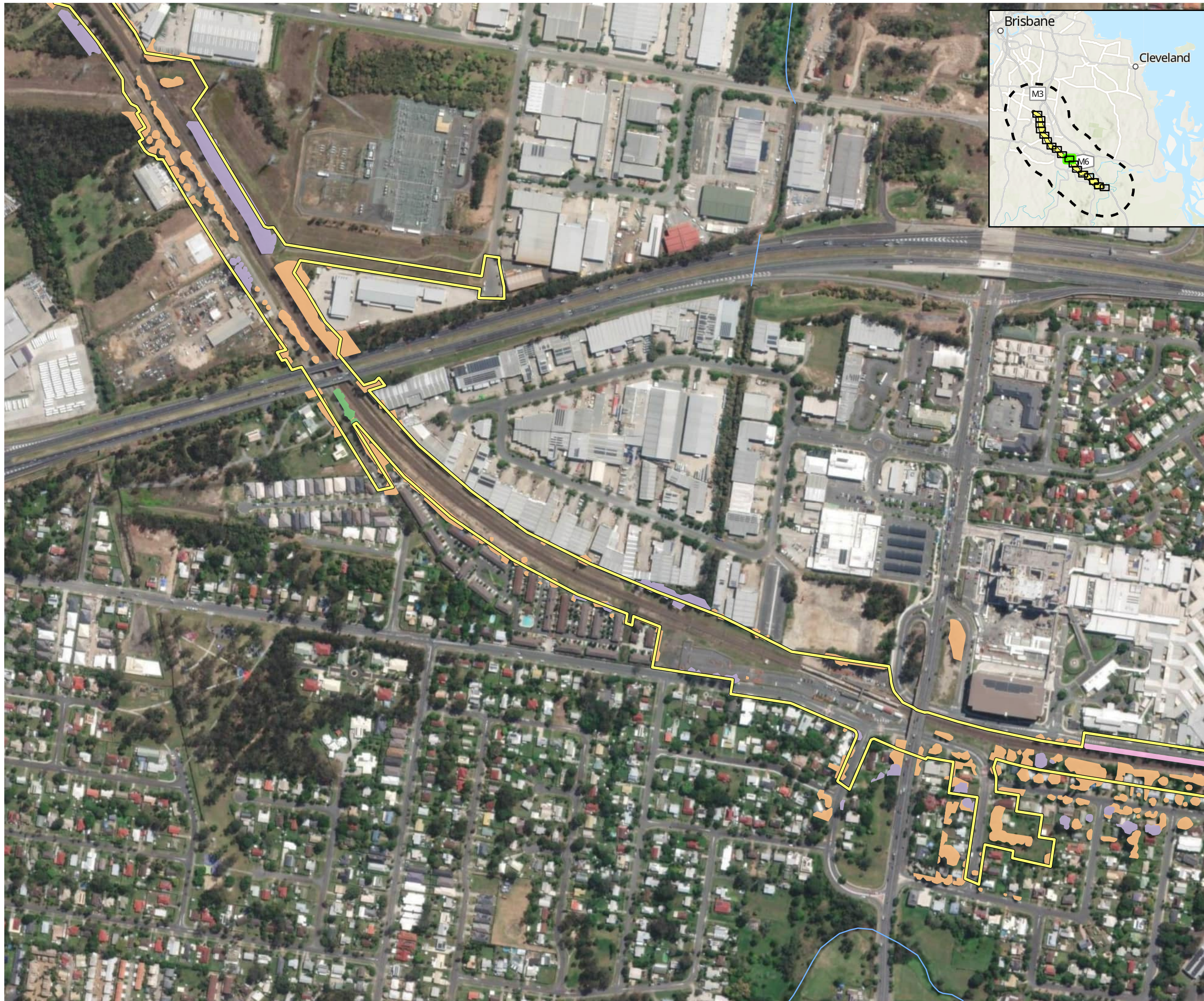
Figure 18 South-eastern glossy black cockatoo habitat and records

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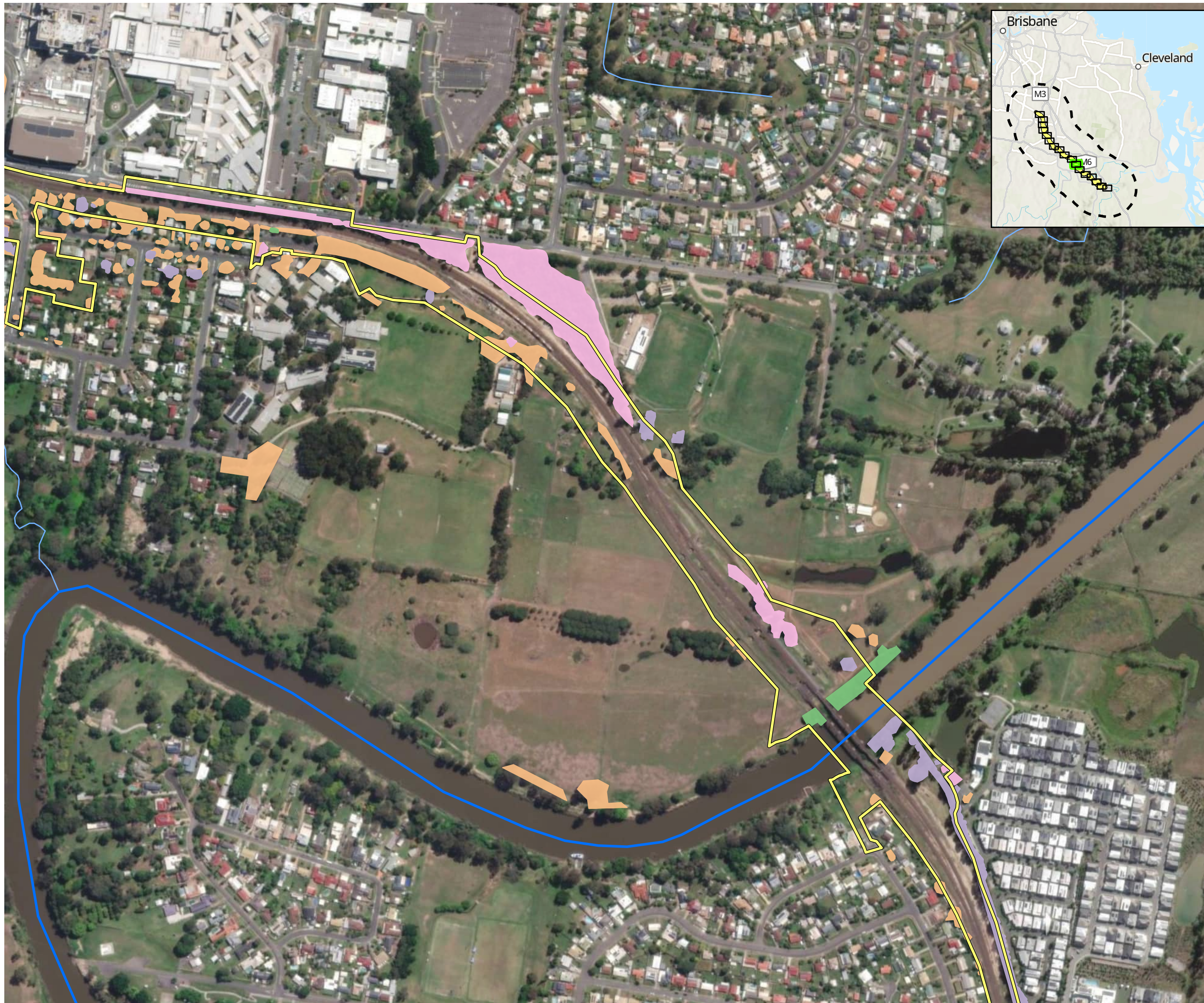
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Figure 18 South-eastern glossy black cockatoo habitat and records

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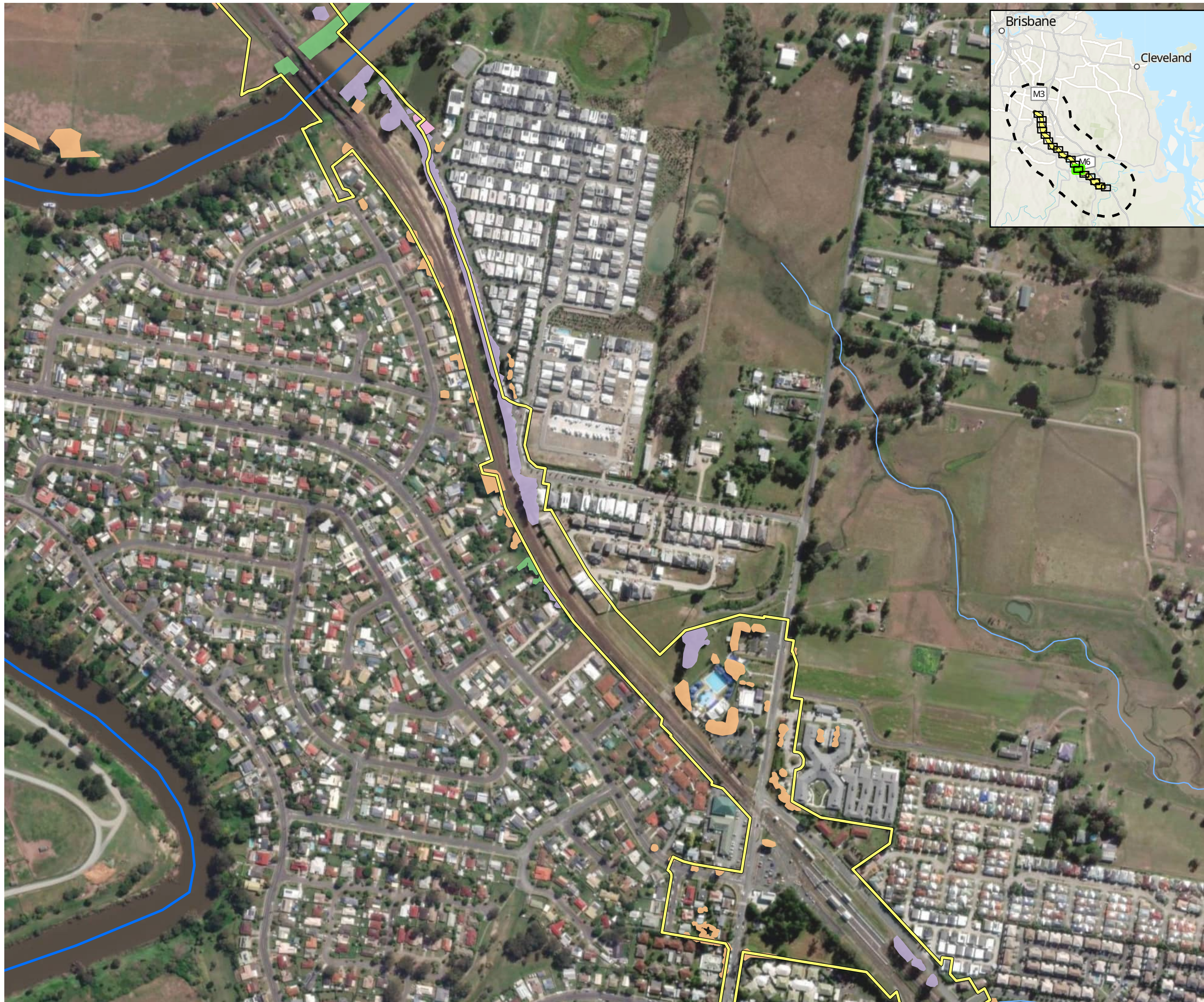
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 - Foraging
 - Dispersal

Figure 18 South-eastern glossy black cockatoo habitat and records

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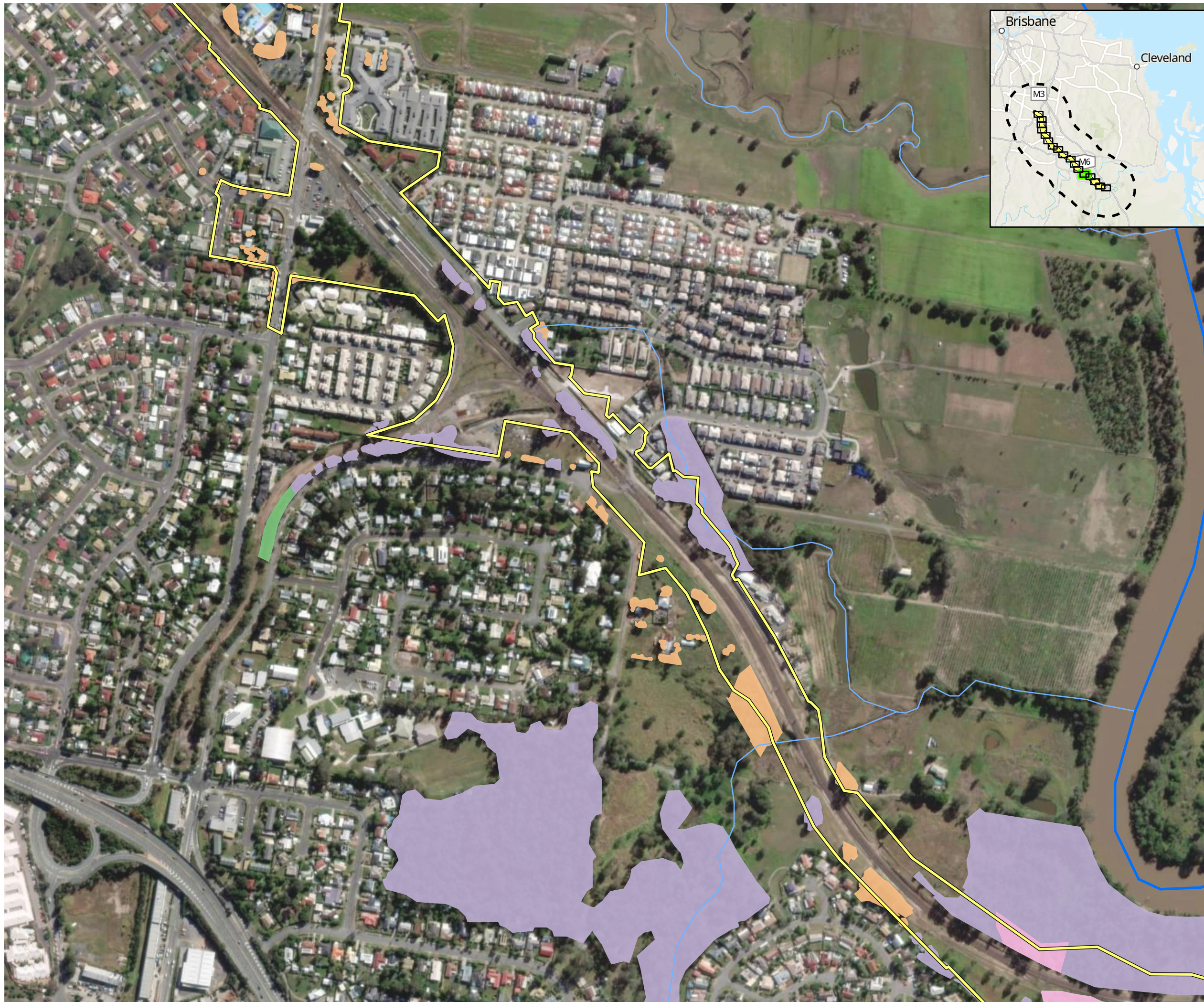
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- Study area
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Figure 18 South-eastern glossy black cockatoo habitat and records



- Study area
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Figure 18 South-eastern glossy black cockatoo habitat and records

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Report: Preliminary Documentation - Supplementary MNES Report
Client: Department of Transport and Main Roads
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AECOM



- Study area
- Impact area
- Watercourse (major)
- Watercourse (minor)
- South-eastern glossy black cockatoo habitat (AECOM, 2024)**
- Breeding
- Breeding and Foraging
- Foraging
- Dispersal

Figure 18 South-eastern glossy black cockatoo habitat and records

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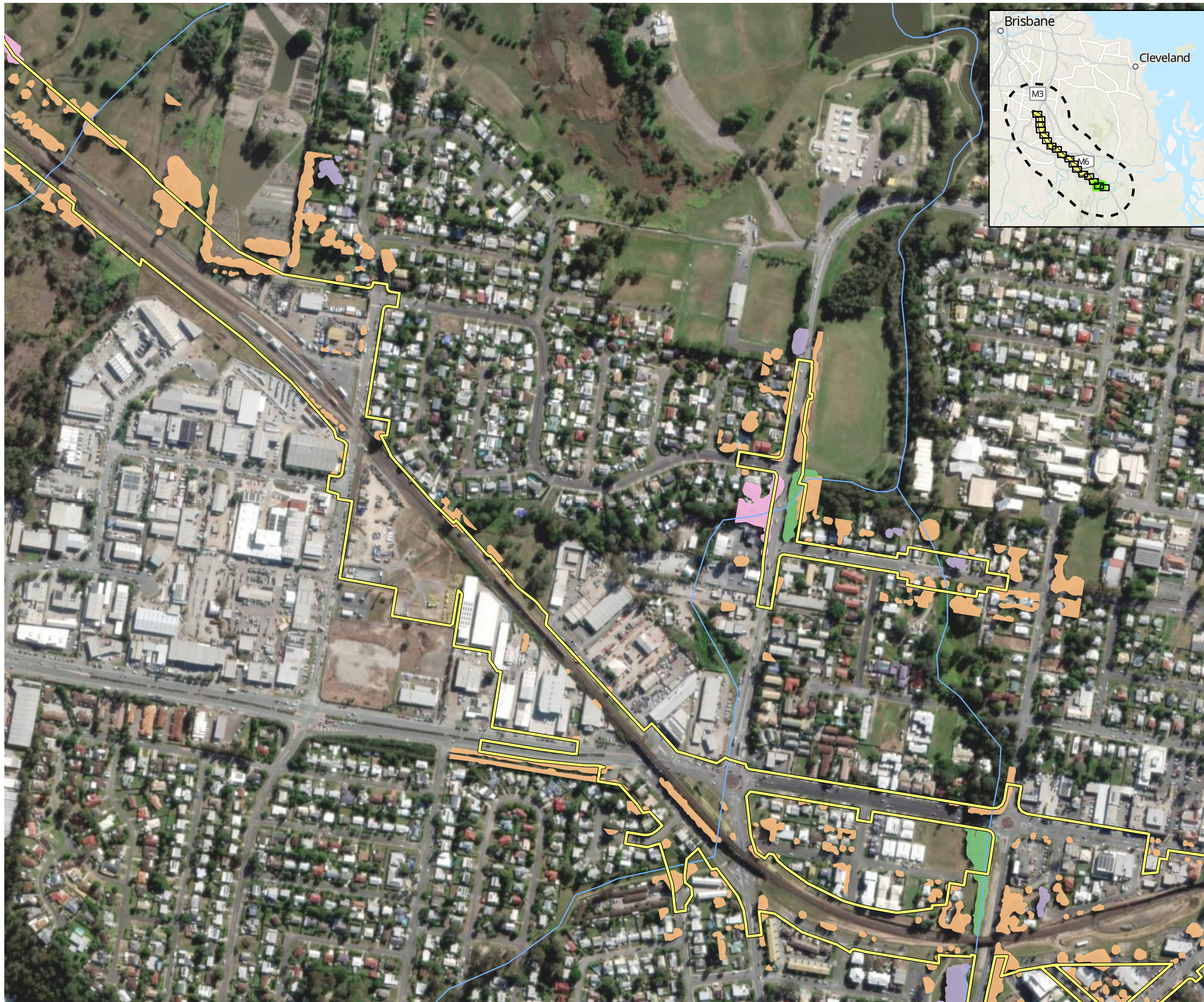
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Figure 18 South-eastern glossy black cockatoo habitat and records

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Figure 18 South-eastern glossy black cockatoo habitat and records

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Figure 18 South-eastern glossy black cockatoo habitat and records

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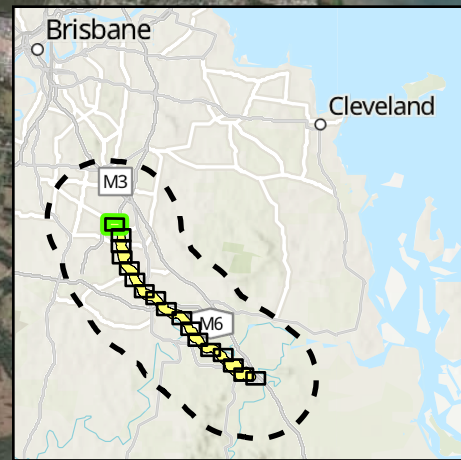
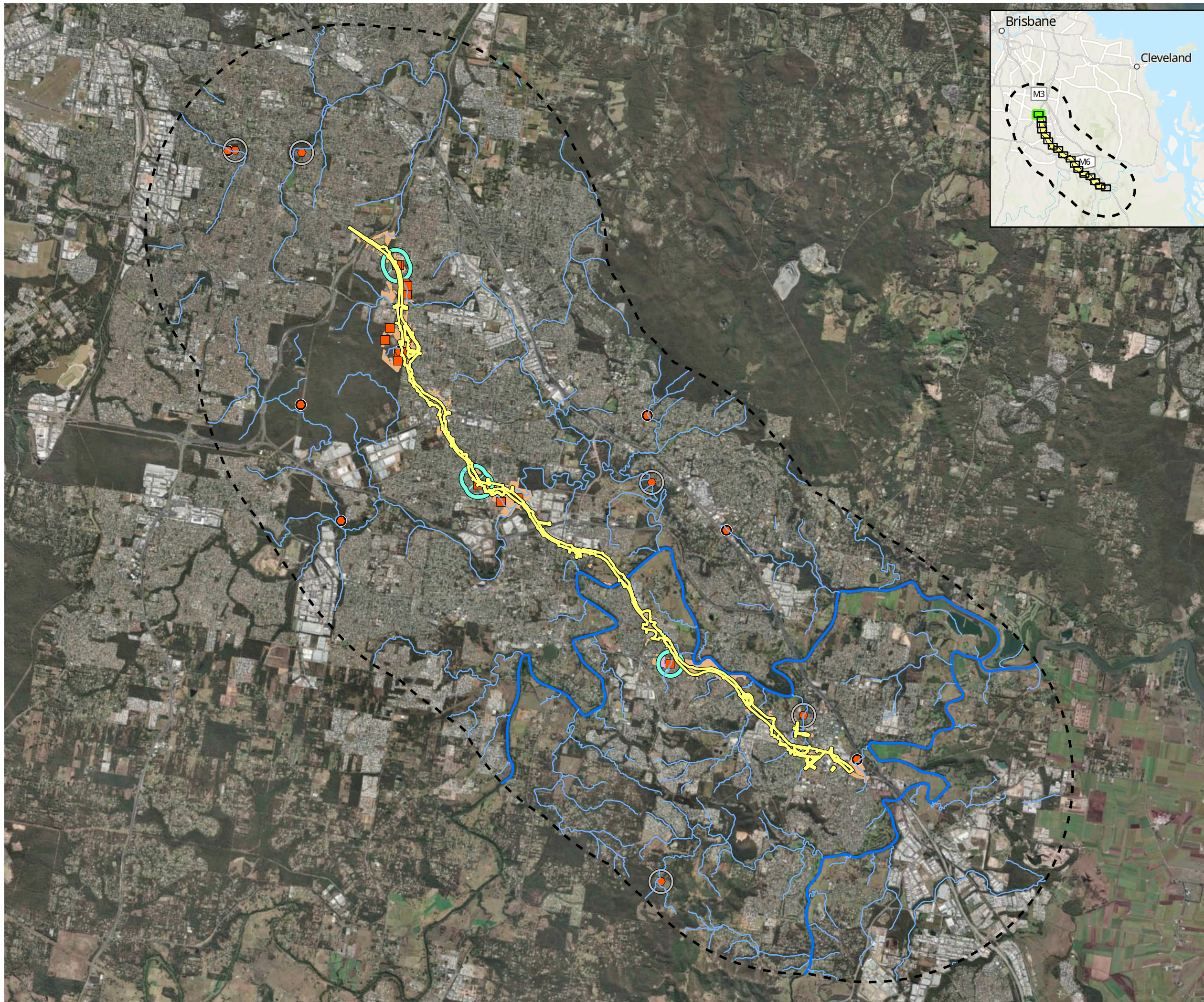
Figure 18 South-eastern glossy black cockatoo habitat and records

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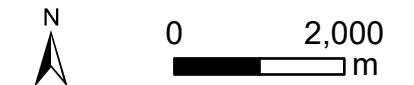
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Figure 19 Grey-headed flying fox habitat and records



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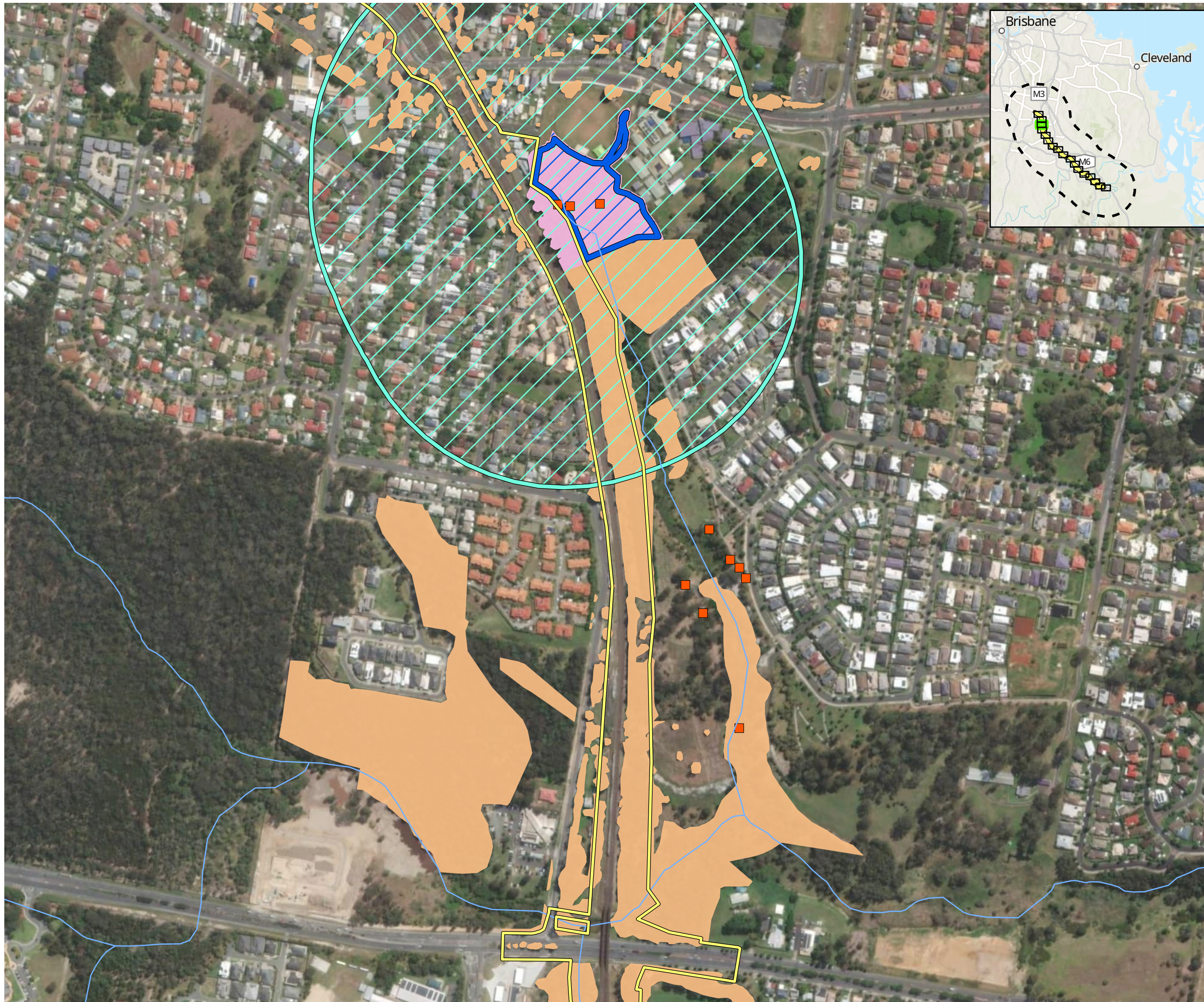
- Study area
- Impact area
- Watercourse (major)
- Watercourse (minor)
- Grey-headed flying-fox habitat (AECOM, 2024)**
- Breeding and Roosting
- Foraging and Dispersal
- Indirect impact
- Buffer zone
- Species records post 2014 (ALA, 2024)**
- Grey-headed flying fox
- Species observations (AECOM, 2024)**
- Grey-headed flying fox
- Spatial uncertainty**
- No spatial uncertainty specified
- <250 m spatial uncertainty
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Figure 19 Grey-headed flying-fox habitat and records



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- Impact area
- Watercourse (major)
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- Grey-headed flying-fox habitat (AECOM, 2024)**
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Figure 19 Grey-headed flying-fox habitat and records



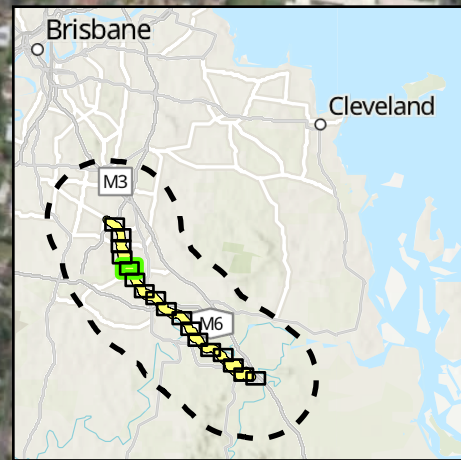
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Figure 19 Grey-headed flying-fox habitat and records



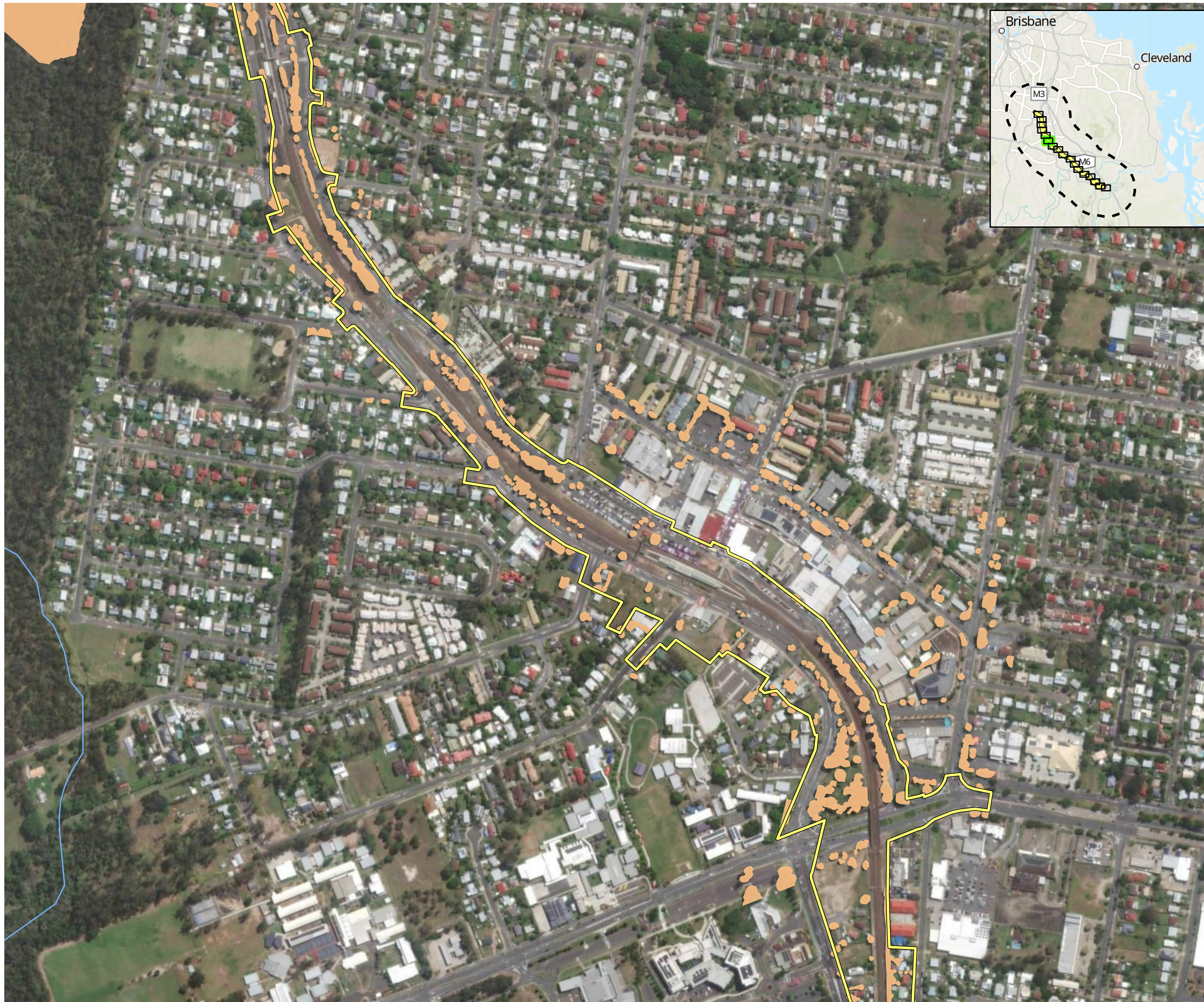
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- Study area
- Impact area
- Watercourse (major)
- Watercourse (minor)
- Grey-headed flying-fox habitat (AECOM, 2024)**
- Breeding and Roosting
- Foraging and Dispersal
- Indirect impact
- Buffer zone
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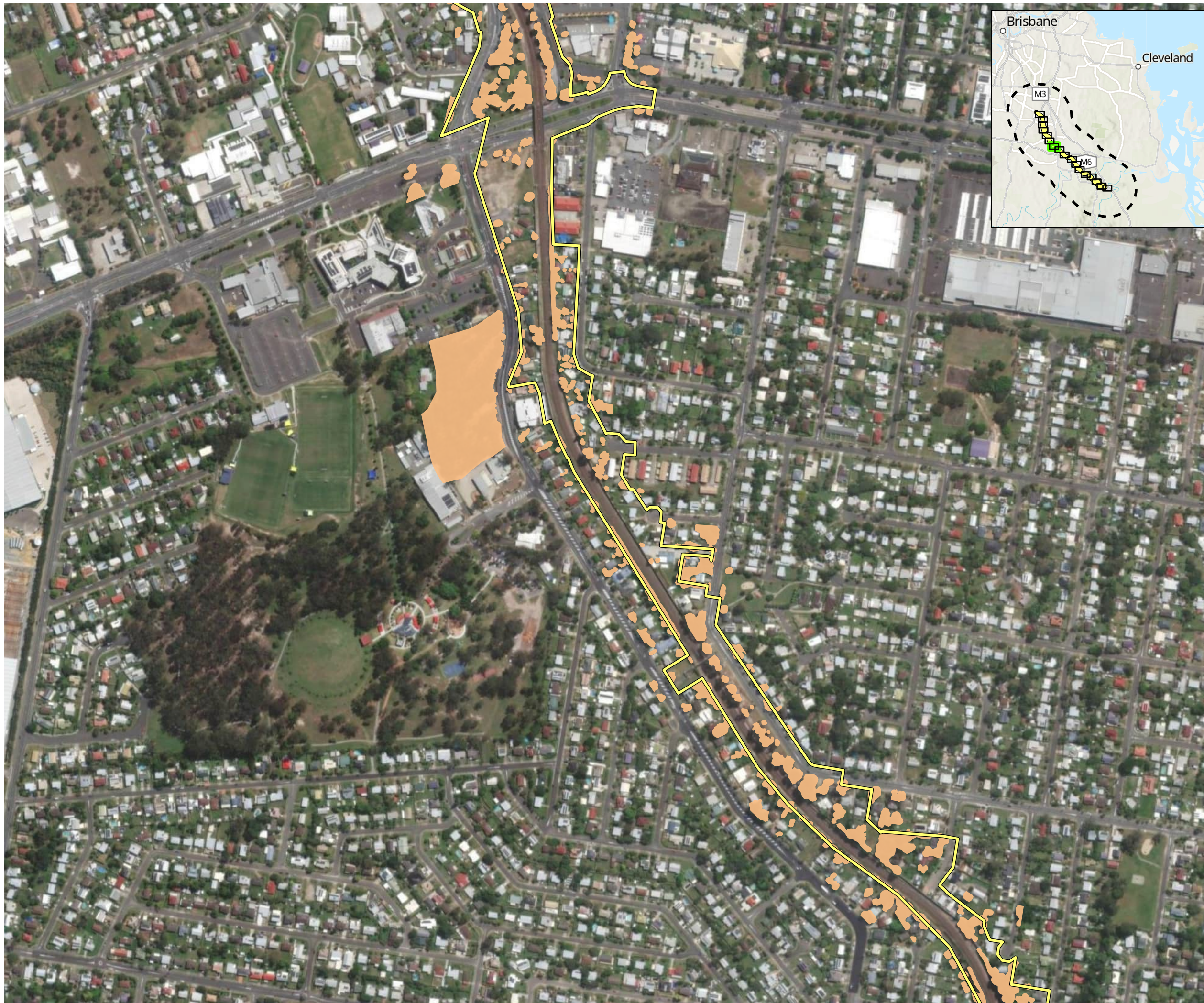
Figure 19 Grey-headed flying-fox habitat and records

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Figure 19 Grey-headed flying-fox habitat and records



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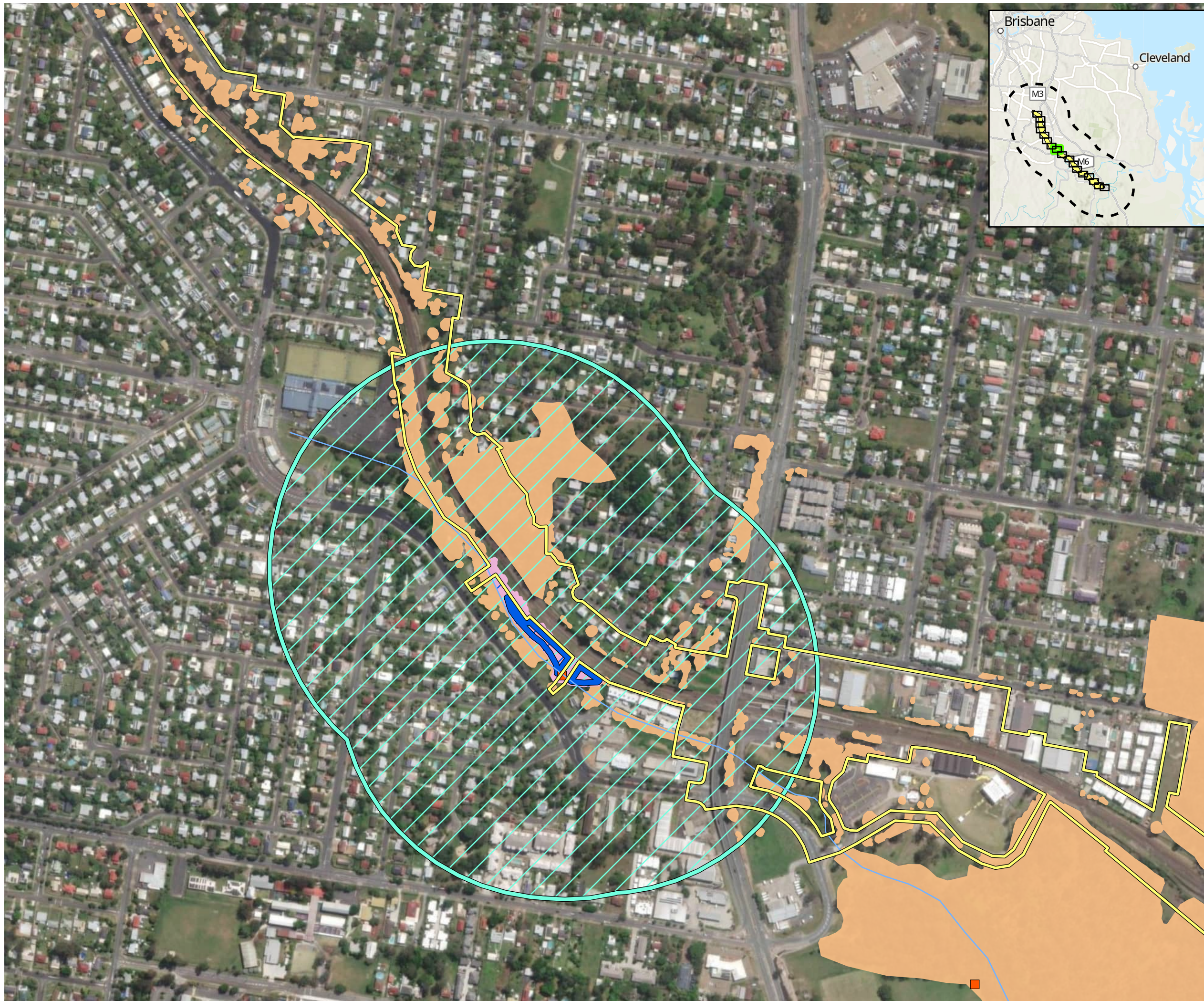
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Figure 19 Grey-headed flying-fox habitat and records

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Project: Logan and Gold Coast Faster Rail
Report: Preliminary Documentation - Supplementary MNES Report
Client: Department of Transport and Main Roads
Project Number: 60681907
Date: 17/02/2025

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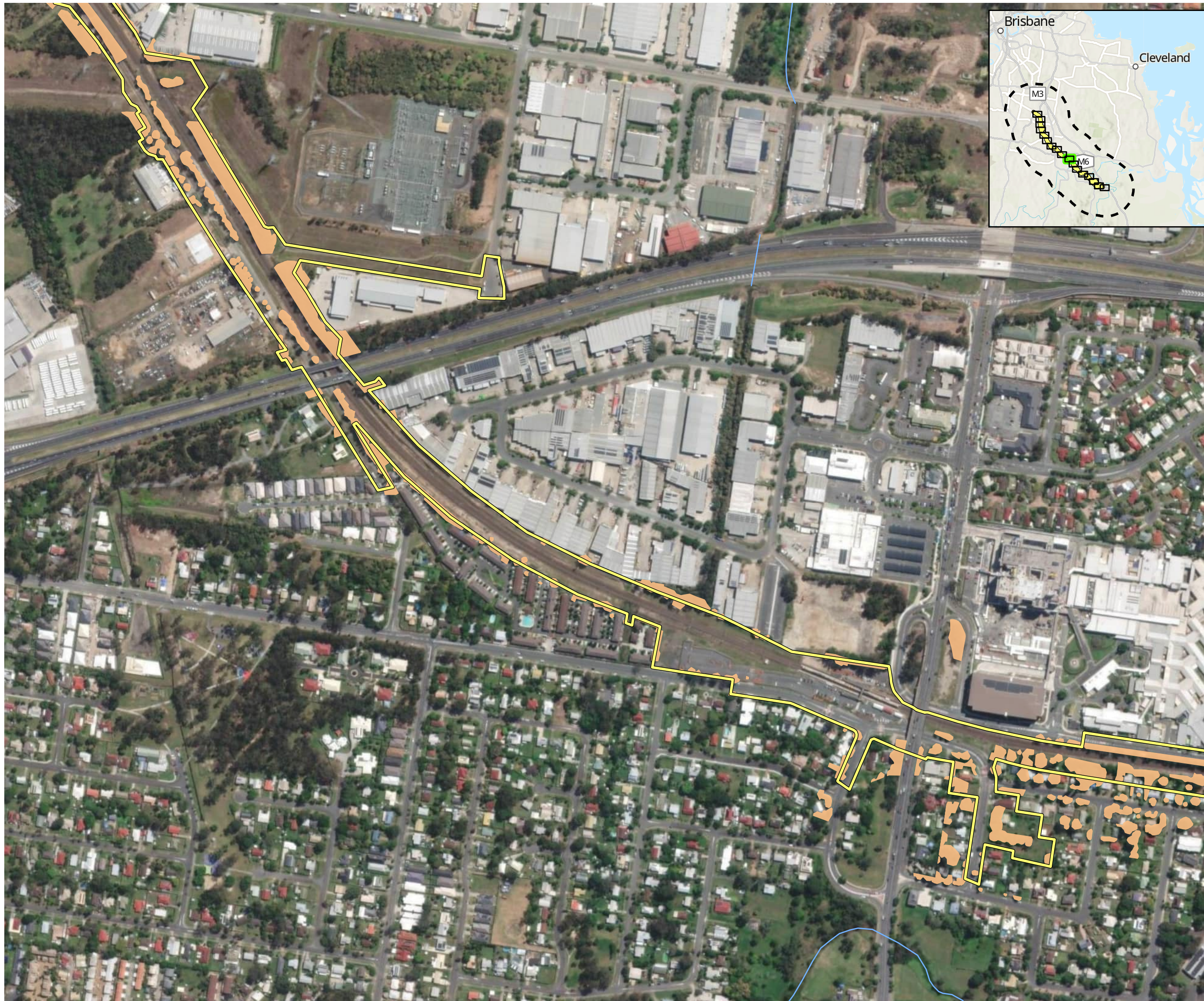
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Figure 19 Grey-headed flying-fox habitat and records



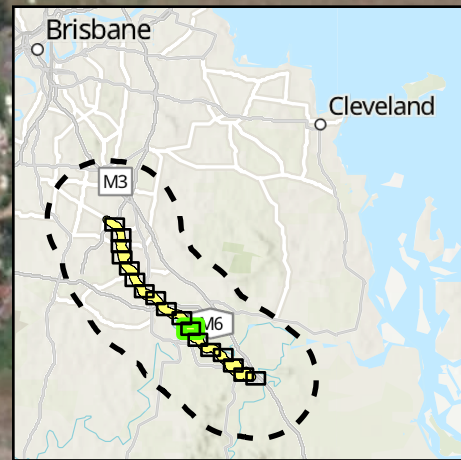
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Figure 19 Grey-headed flying-fox habitat and records



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Figure 19 Grey-headed flying-fox habitat and records



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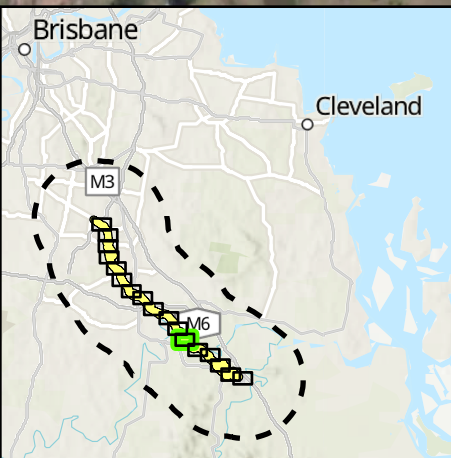
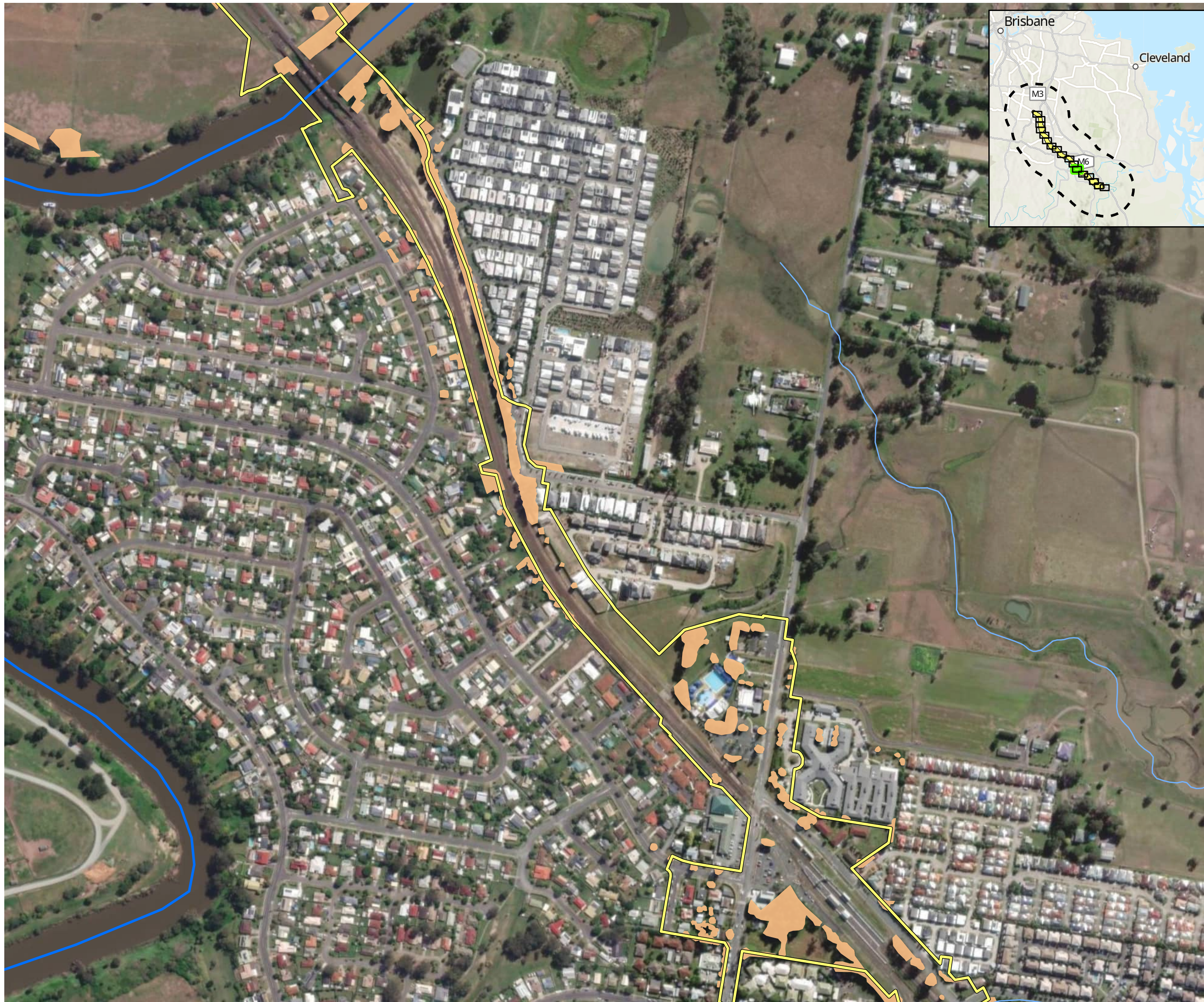
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Figure 19 Grey-headed flying-fox habitat and records

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Project: Logan and Gold Coast Faster Rail
Report: Preliminary Documentation - Supplementary MNES Report
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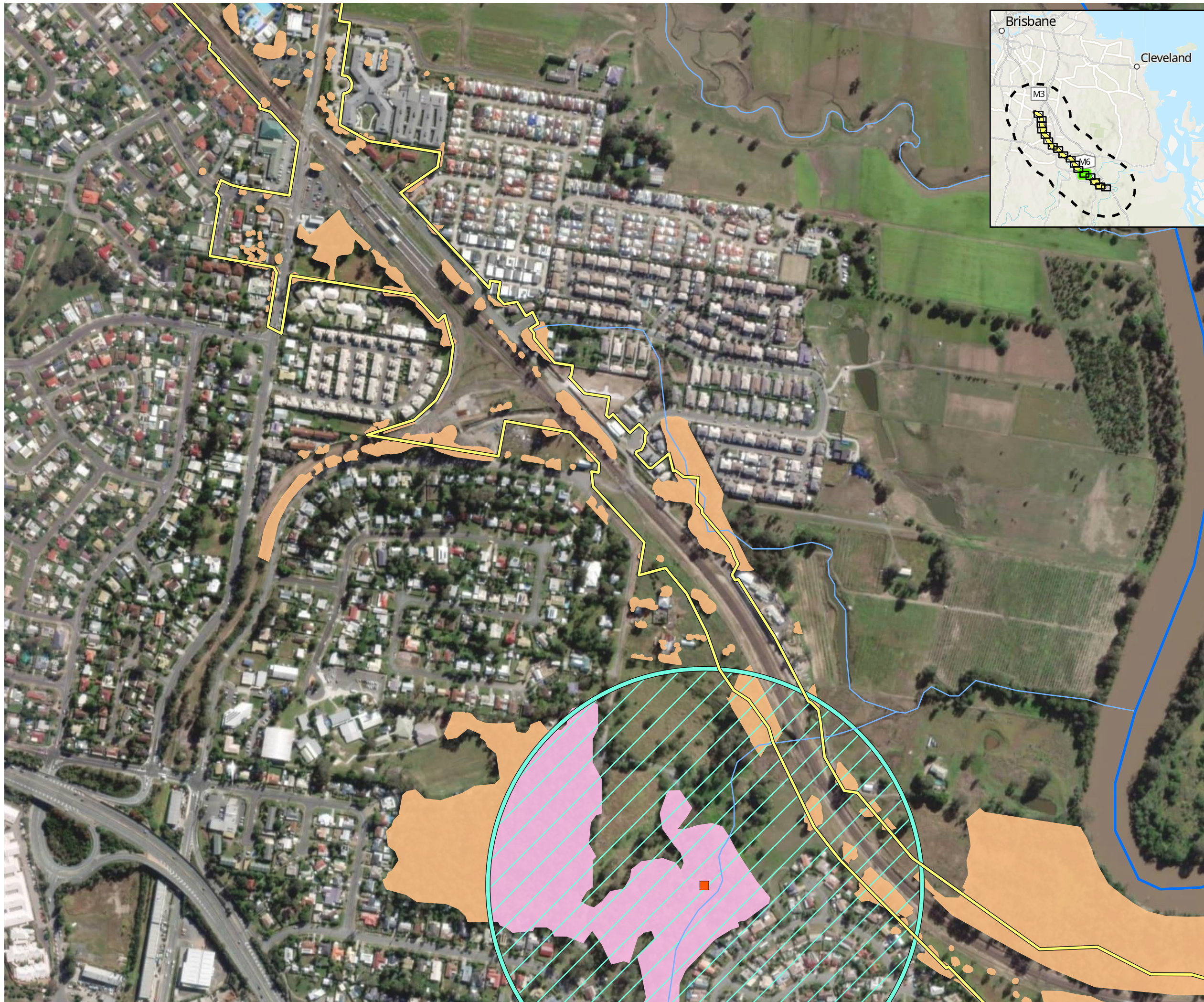
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Figure 19 Grey-headed flying-fox habitat and records

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Figure 19 Grey-headed flying-fox habitat and records



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Figure 19 Grey-headed flying-fox habitat and records



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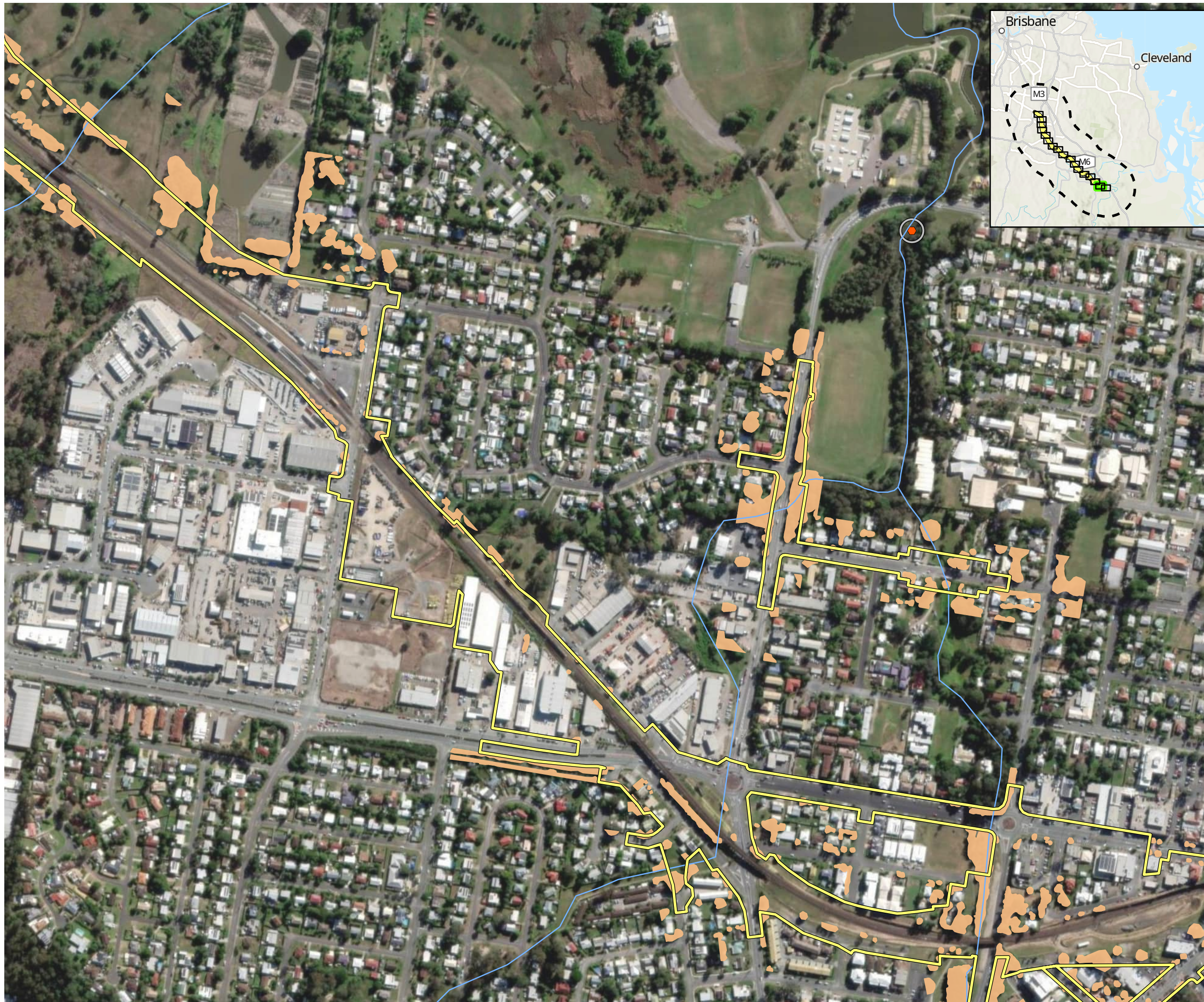
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Figure 19 Grey-headed flying-fox habitat and records

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Figure 19 Grey-headed flying-fox habitat and records



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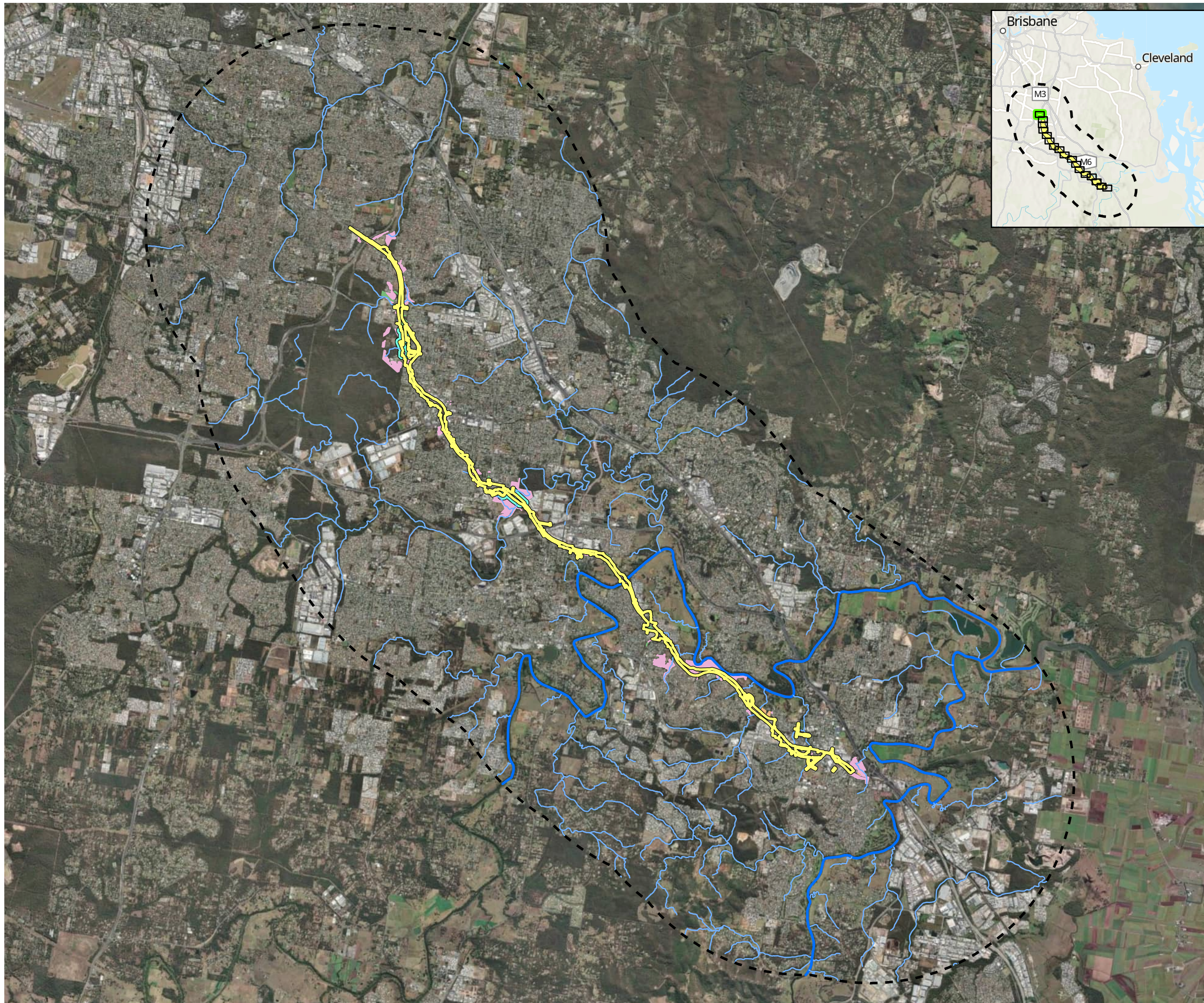
Figure 19 Grey-headed flying-fox habitat and records



- Study area
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Figure 19 Grey-headed flying-fox habitat and records

Figure 20 Yellow-bellied glider (south-eastern) habitat and records



- Study area
- Impact area
- Watercourse (major)
- Watercourse (minor)
- Yellow-bellied glider habitat (AECOM, 2024)**
- Breeding
- Foraging
- Dispersal
- Functionally lost
- Buffer zones

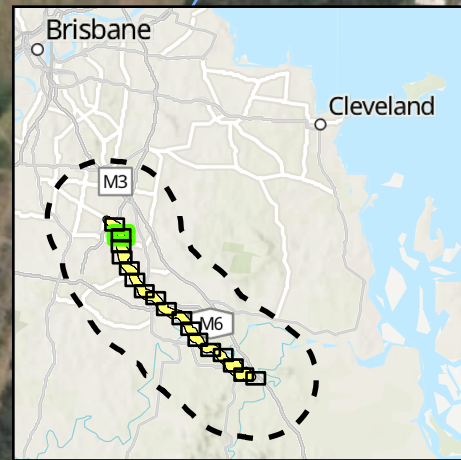
Figure 20 Yellow-bellied glider habitat and records

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- Study area
- Impact area
- Watercourse (major)
- Watercourse (minor)
- Yellow-bellied glider habitat (AECOM, 2024)**
- Breeding
- Foraging
- Dispersal
- Functionally lost
- Buffer zones

Figure 20 Yellow-bellied glider habitat and records

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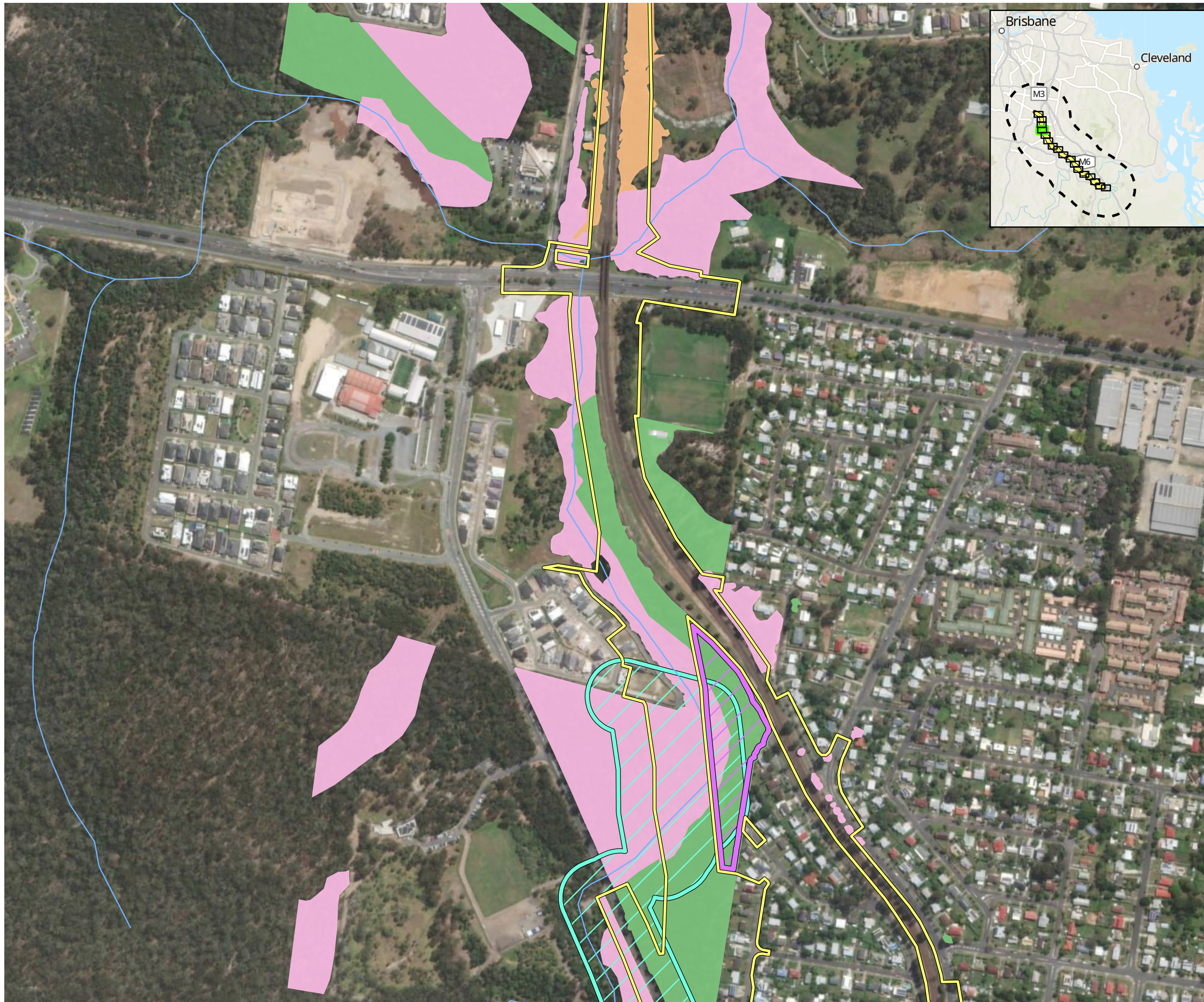
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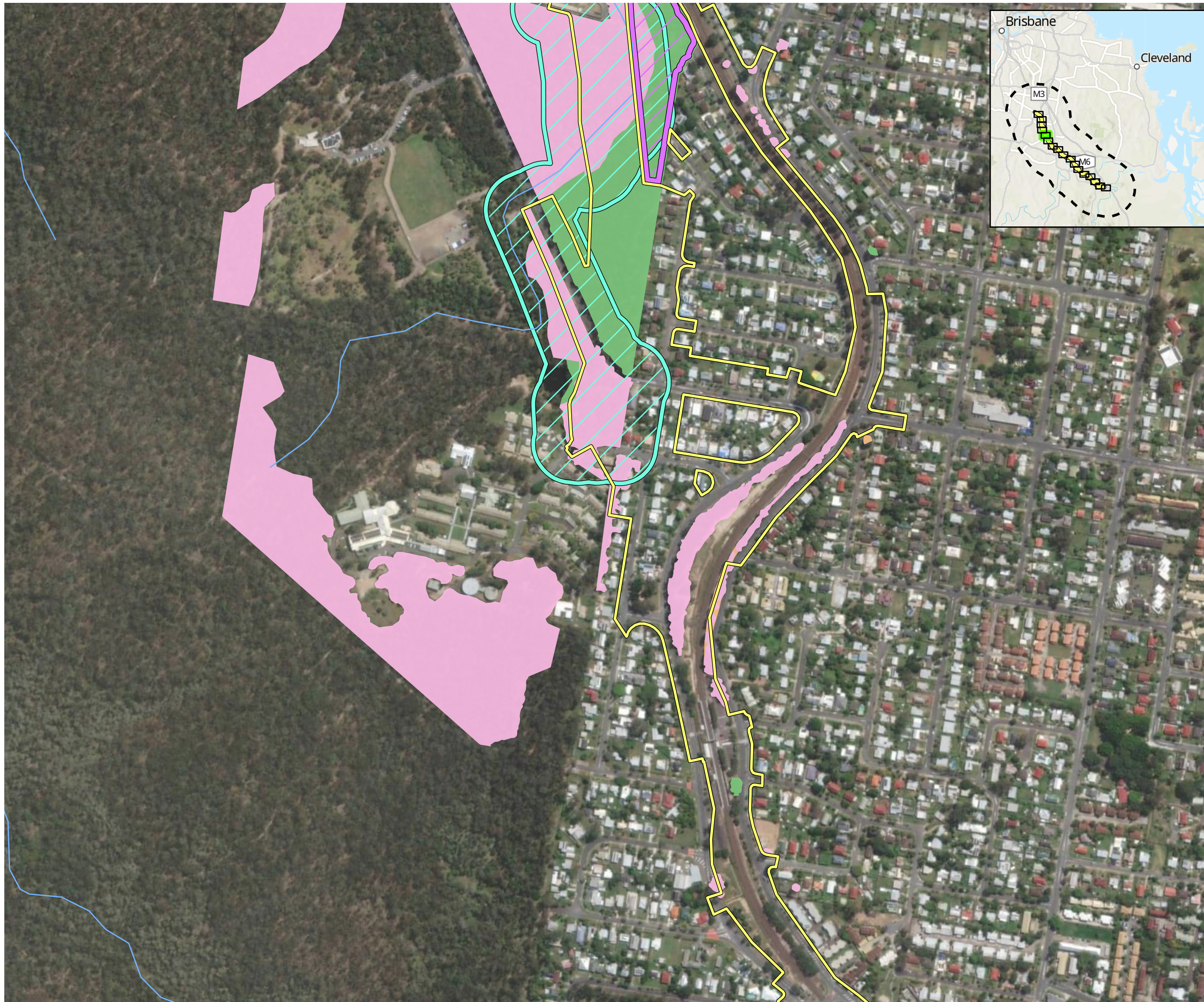
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- Foraging
- Dispersal
- Functionally lost
- Buffer zones

Figure 20 Yellow-bellied glider habitat and records



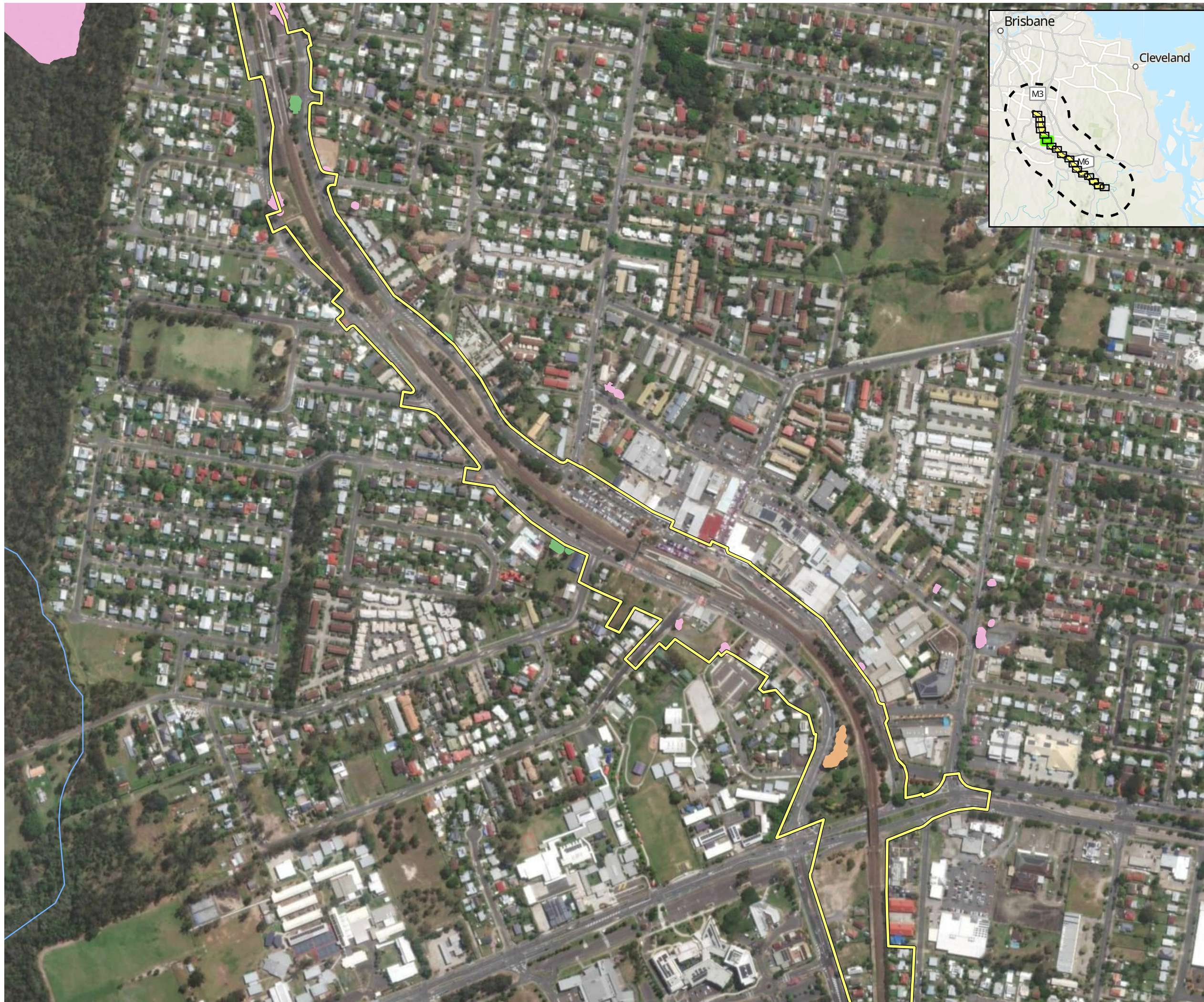
- Study area
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- Watercourse (major)
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- Breeding
- Foraging
- Dispersal
- Functionally lost
- Buffer zones

Figure 20 Yellow-bellied glider habitat and records



- Study area
- Impact area
- Watercourse (major)
- Watercourse (minor)
- Yellow-bellied glider habitat (AECOM, 2024)**
- Breeding
- Foraging
- Dispersal
- Functionally lost
- Buffer zones

Figure 20 Yellow-bellied glider habitat and records



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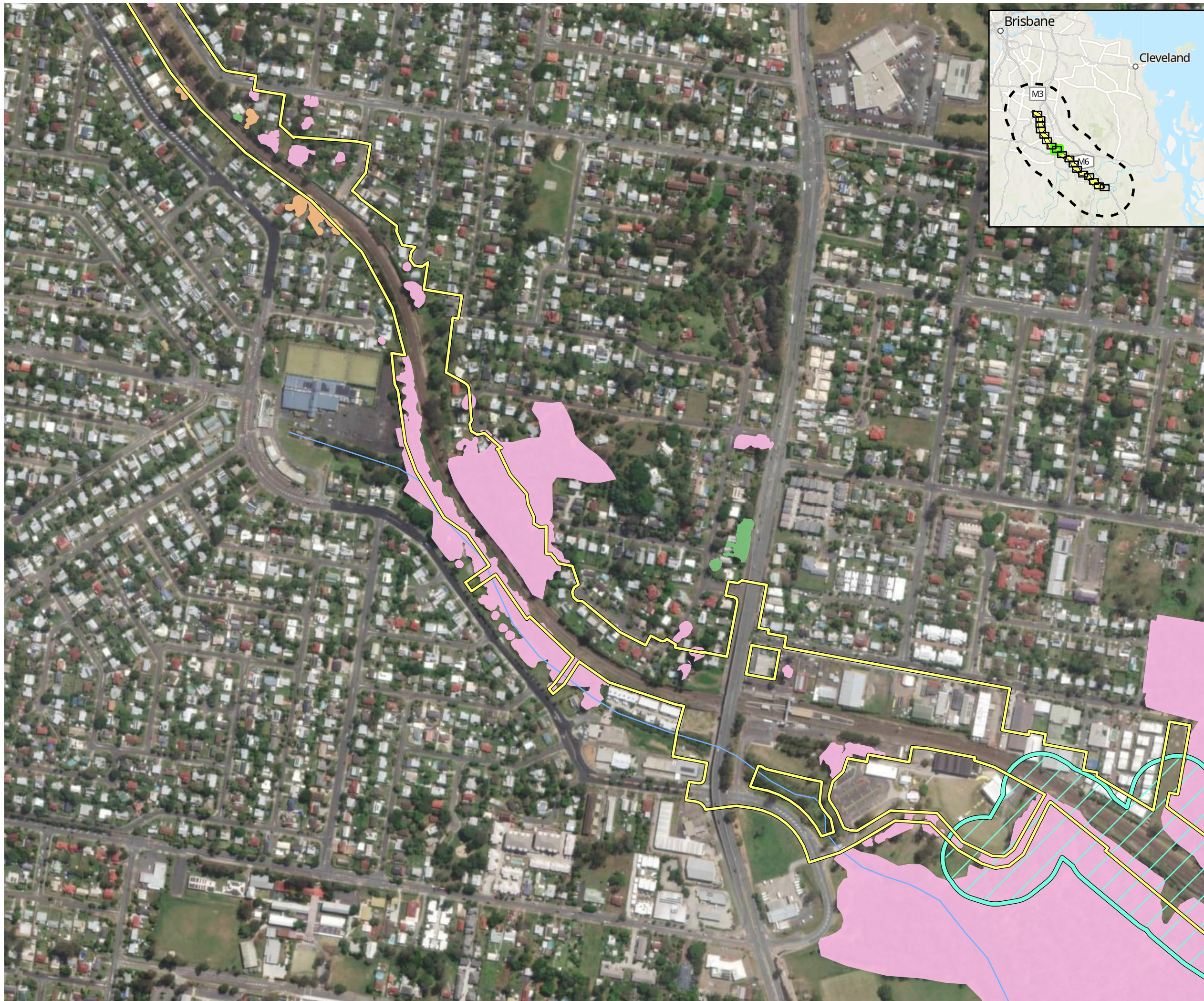
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Figure 20 Yellow-bellied glider habitat and records

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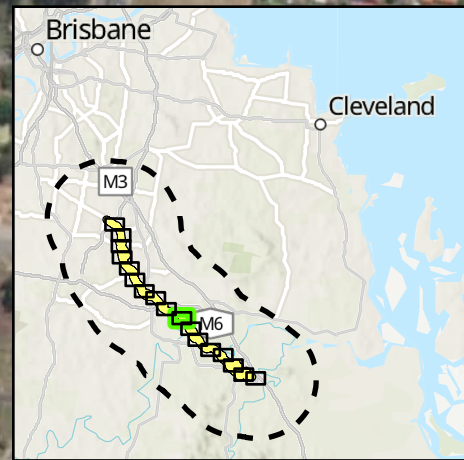
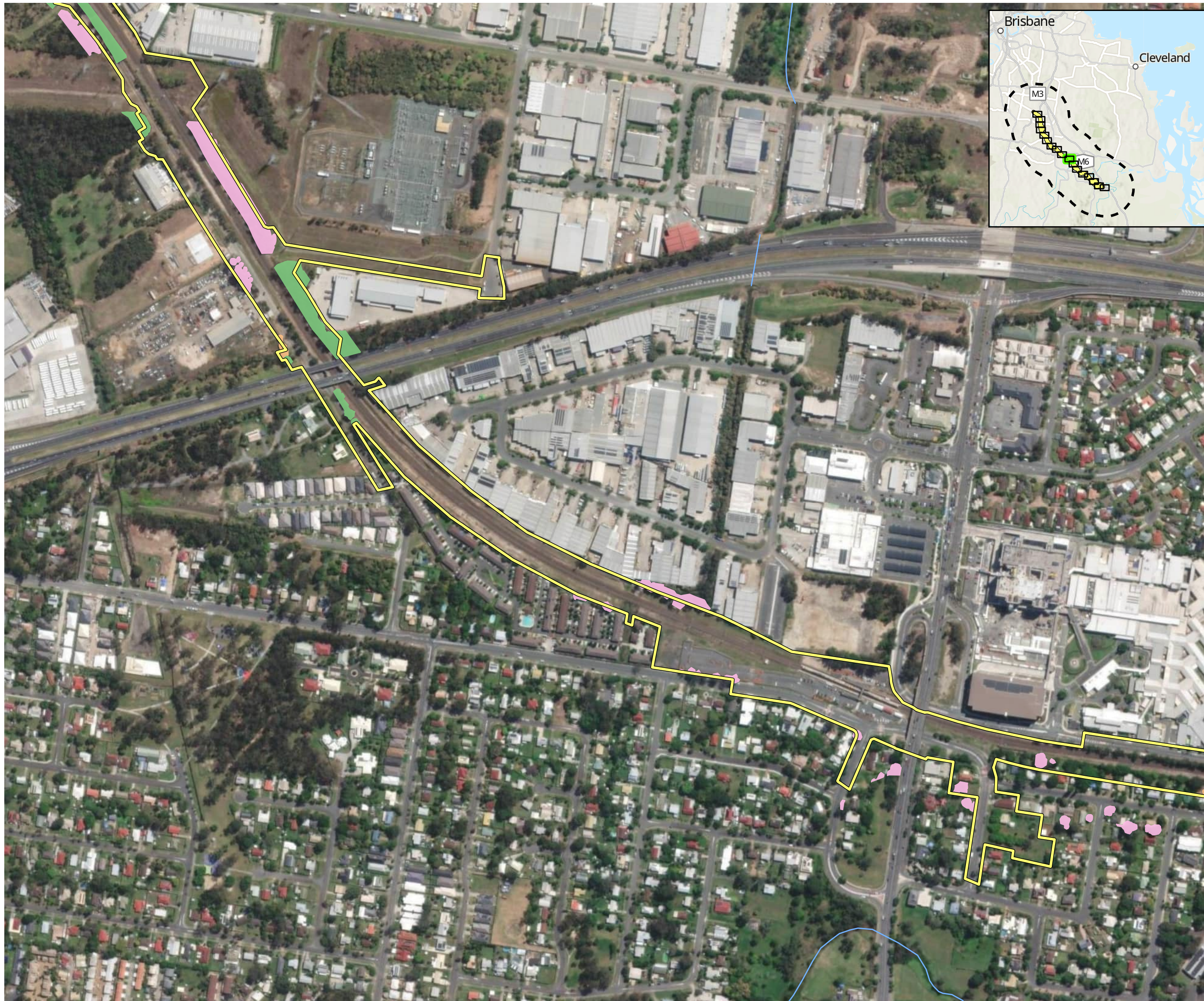
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Figure 20 Yellow-bellied glider habitat and records



- Study area
- Impact area
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- Watercourse (minor)
- Yellow-bellied glider habitat (AECOM, 2024)**
- Breeding
- Foraging
- Dispersal
- Functionally lost
- Buffer zones

Figure 20 Yellow-bellied glider habitat and records



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- Study area
- Impact area
- Watercourse (major)
- Watercourse (minor)
- Yellow-bellied glider habitat (AECOM, 2024)**
- Breeding
- Foraging
- Dispersal
- Functionally lost
- Buffer zones

Figure 20 Yellow-bellied glider habitat and records

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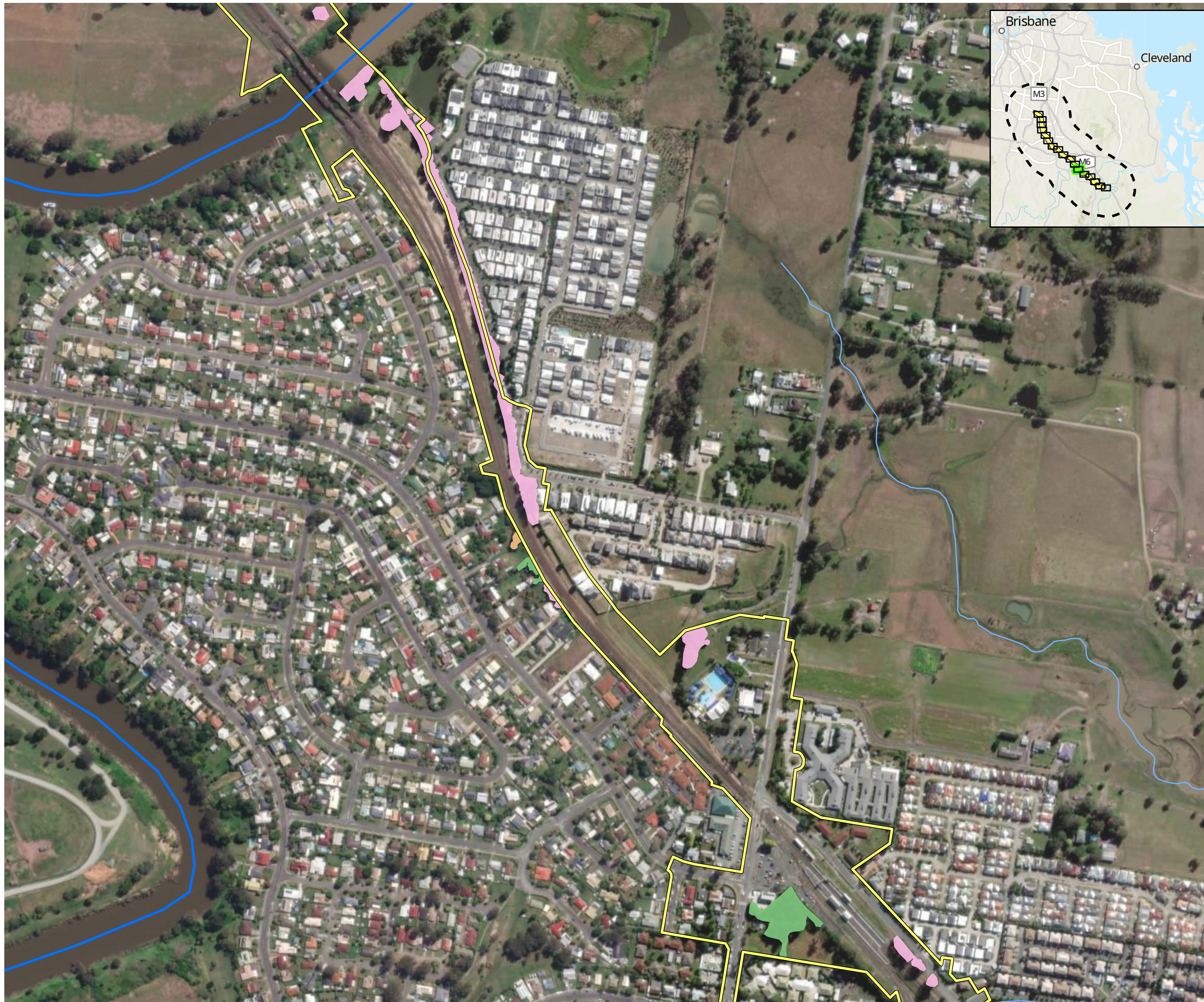
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Figure 20 Yellow-bellied glider habitat and records

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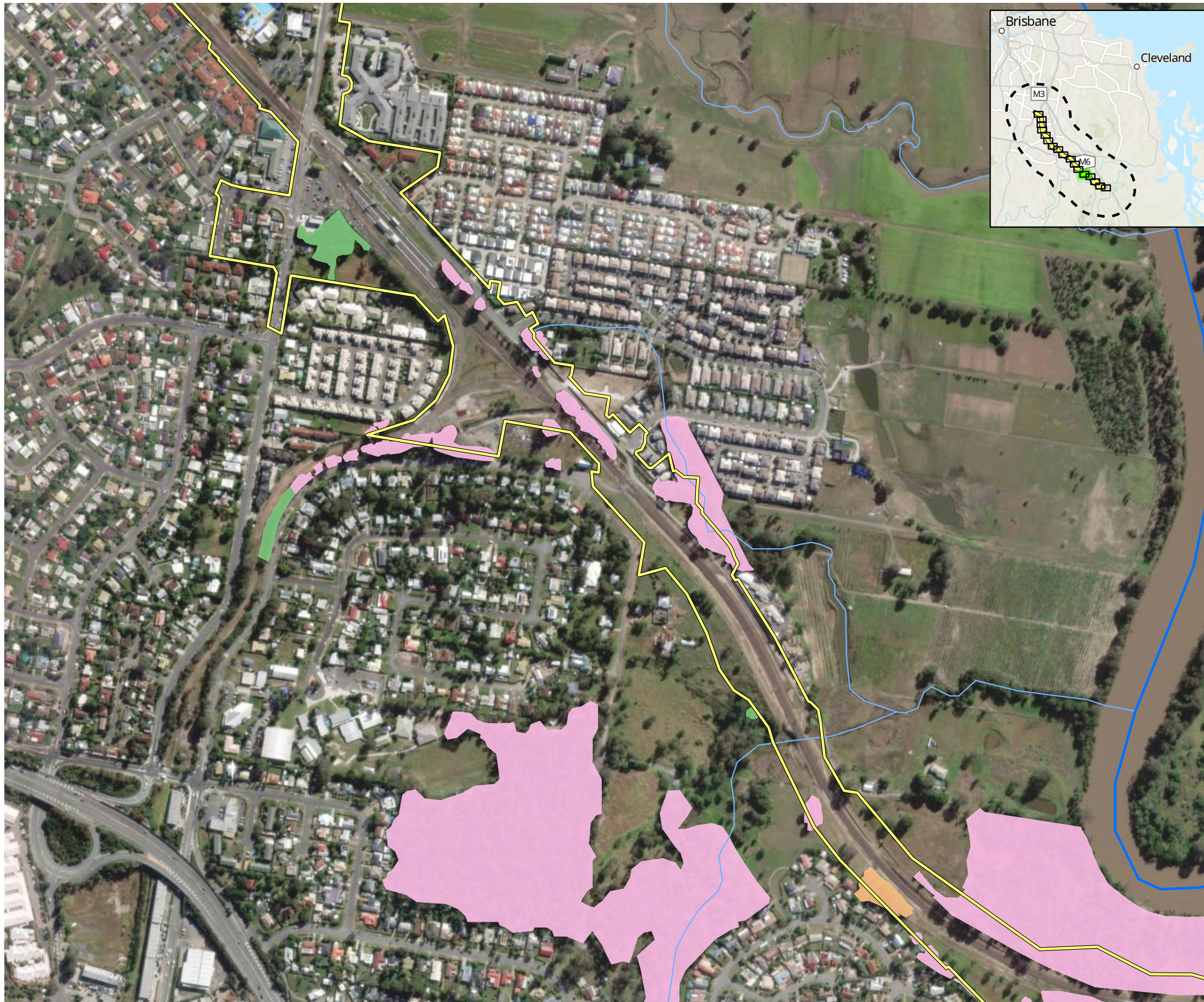
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Figure 20 Yellow-bellied glider habitat and records

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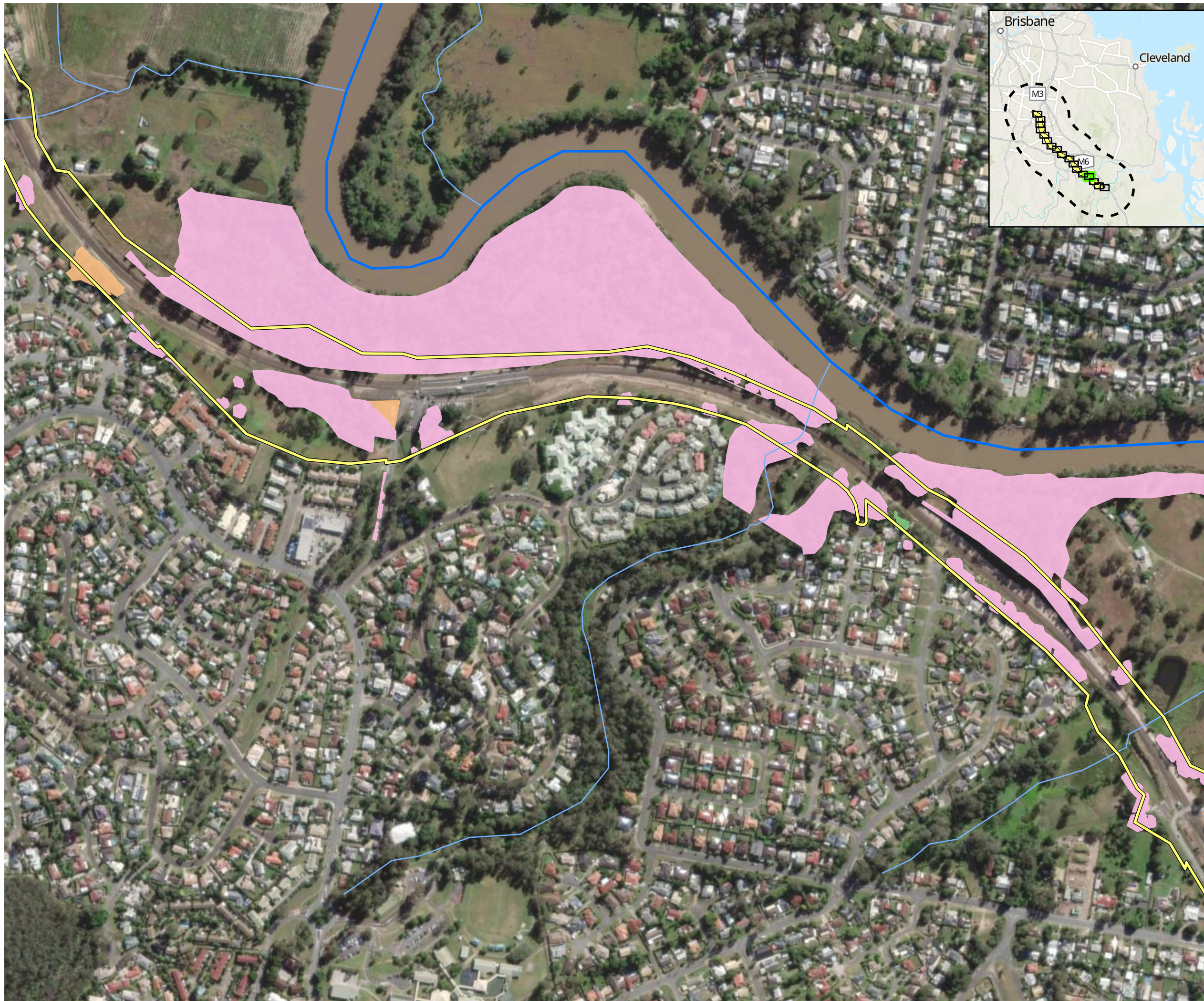
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- Breeding
- Foraging
- Dispersal
- Functionally lost
- Buffer zones

Figure 20 Yellow-bellied glider habitat and records



- Study area
- Impact area
- Watercourse (major)
- Watercourse (minor)
- Yellow-bellied glider habitat (AECOM, 2024)**
- Breeding
- Foraging
- Dispersal
- Functionally lost
- Buffer zones

Figure 20 Yellow-bellied glider habitat and records



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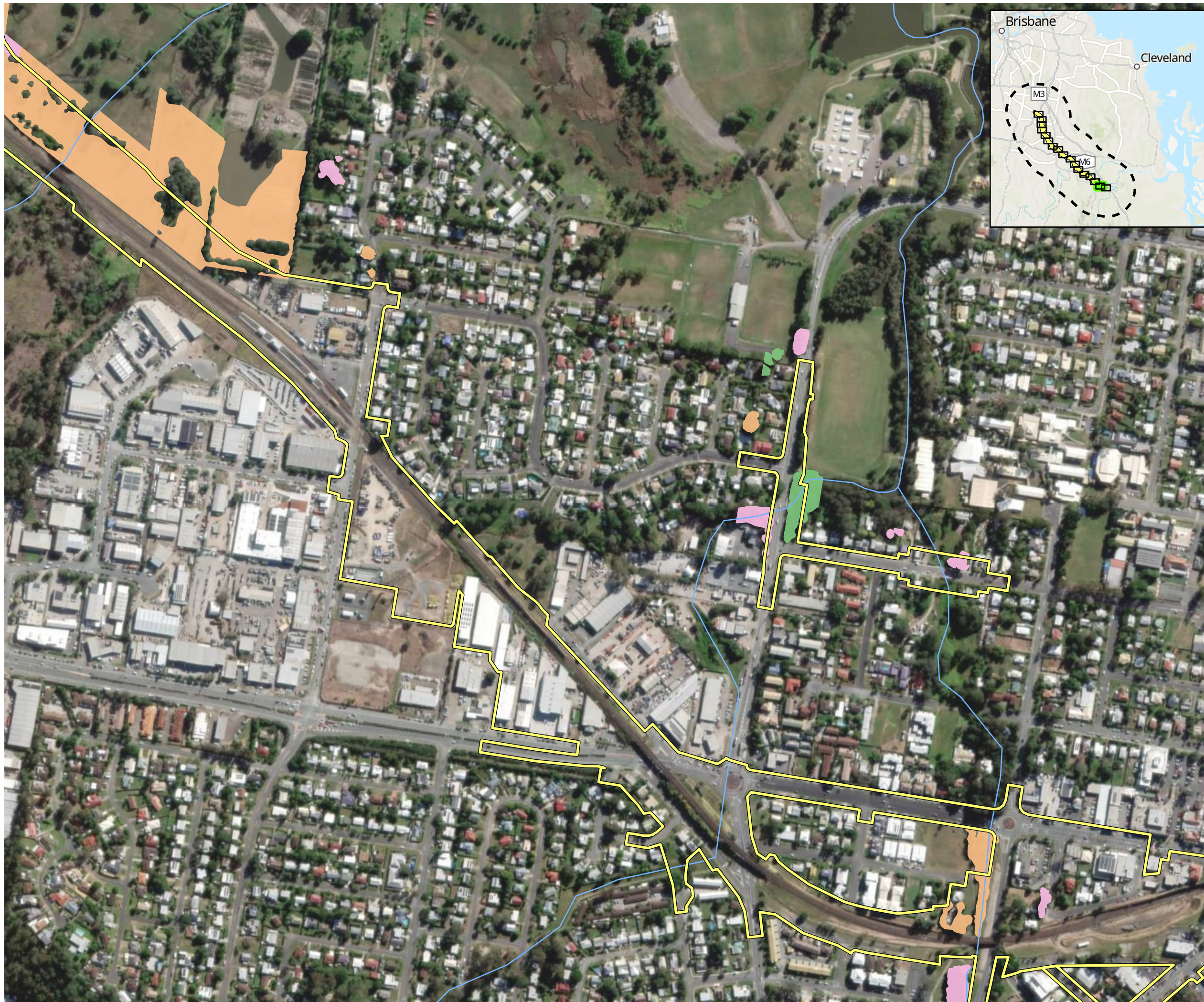
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Figure 20 Yellow-bellied glider habitat and records

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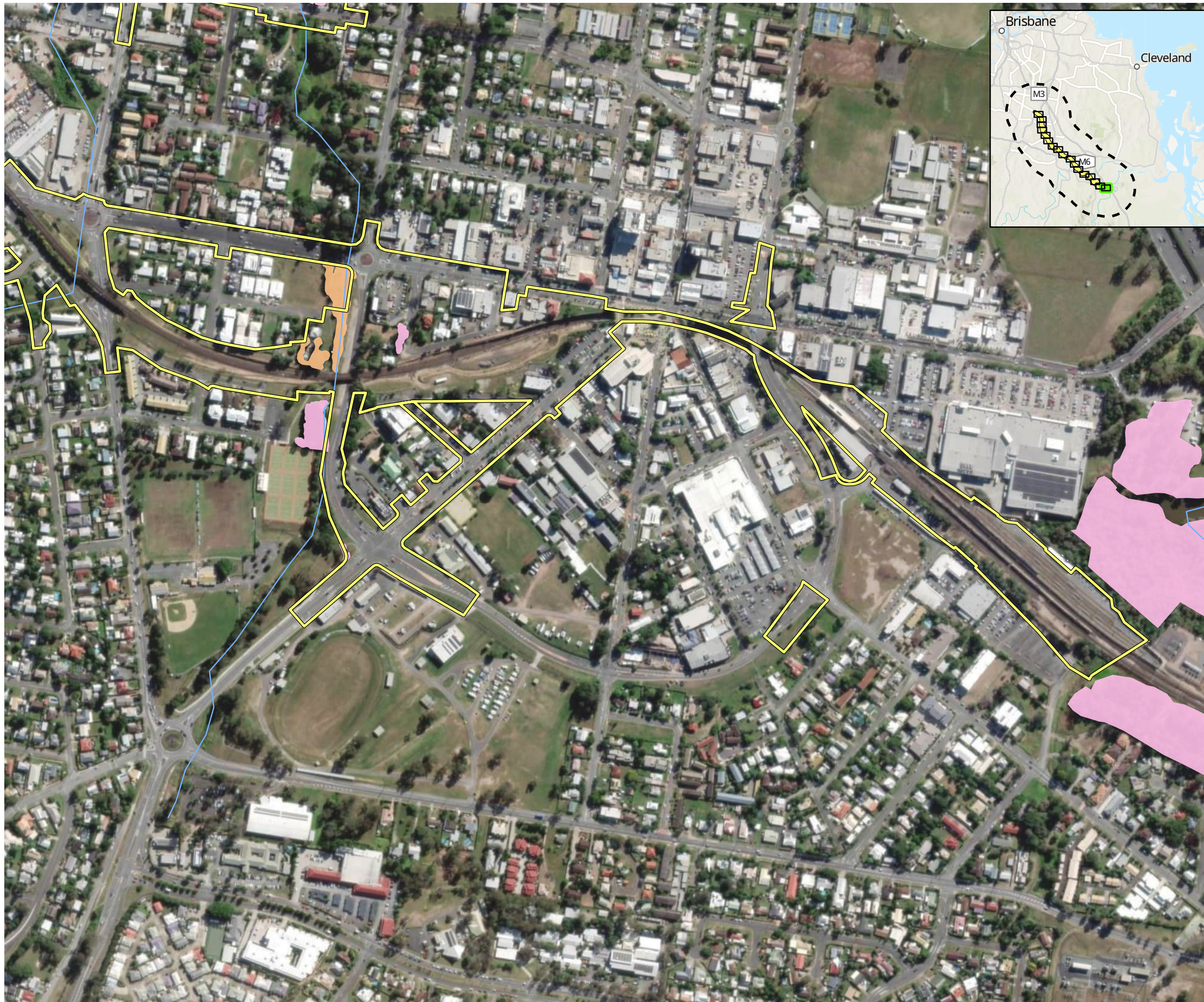
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Project Number: 60681907
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Figure 20 Yellow-bellied glider habitat and records



- Study area
- Impact area
- Watercourse (major)
- Watercourse (minor)
- Yellow-bellied glider habitat (AECOM, 2024)**
- Breeding
- Foraging
- Dispersal
- Functionally lost
- Buffer zones

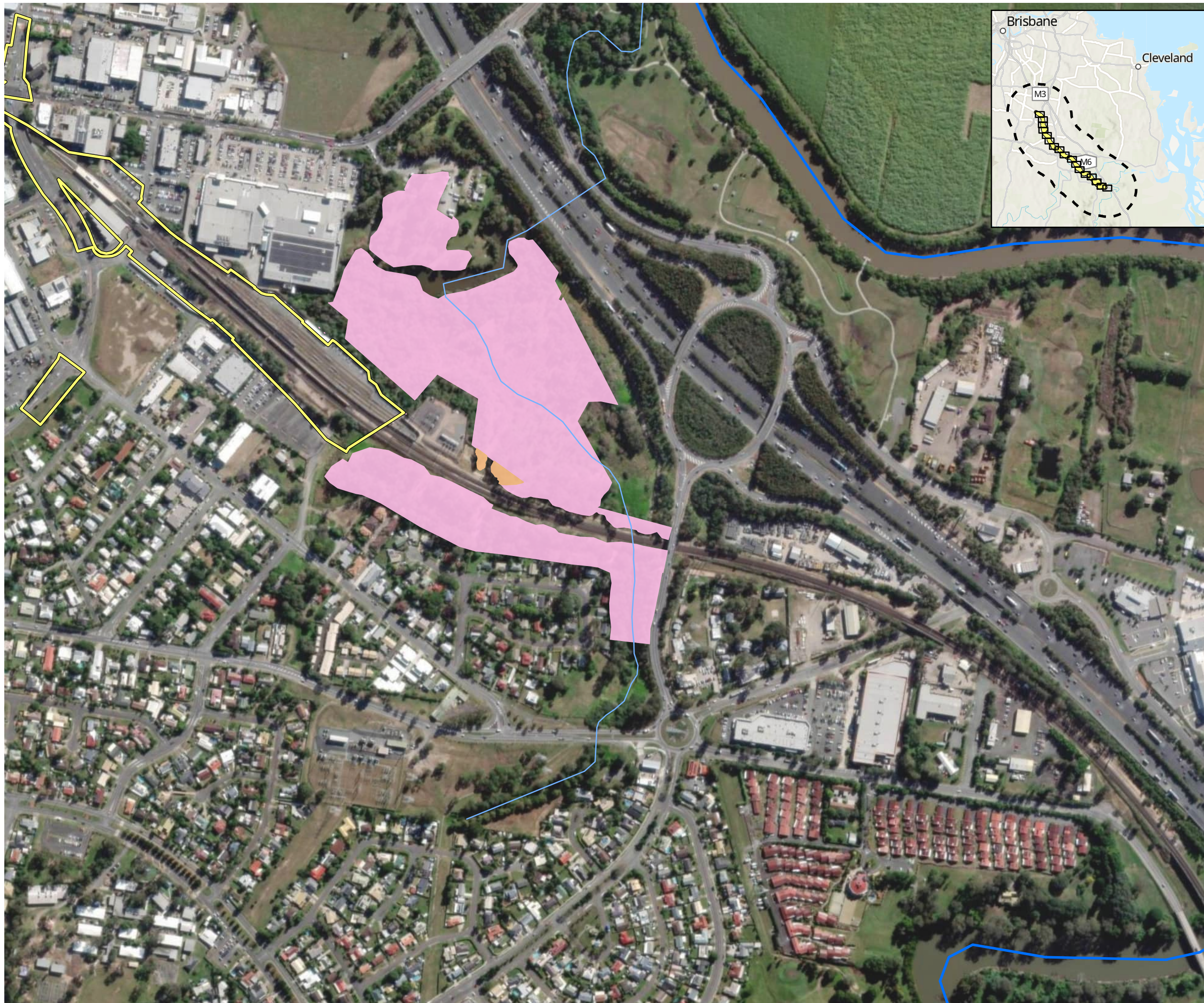
Figure 20 Yellow-bellied glider habitat and records

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- Study area
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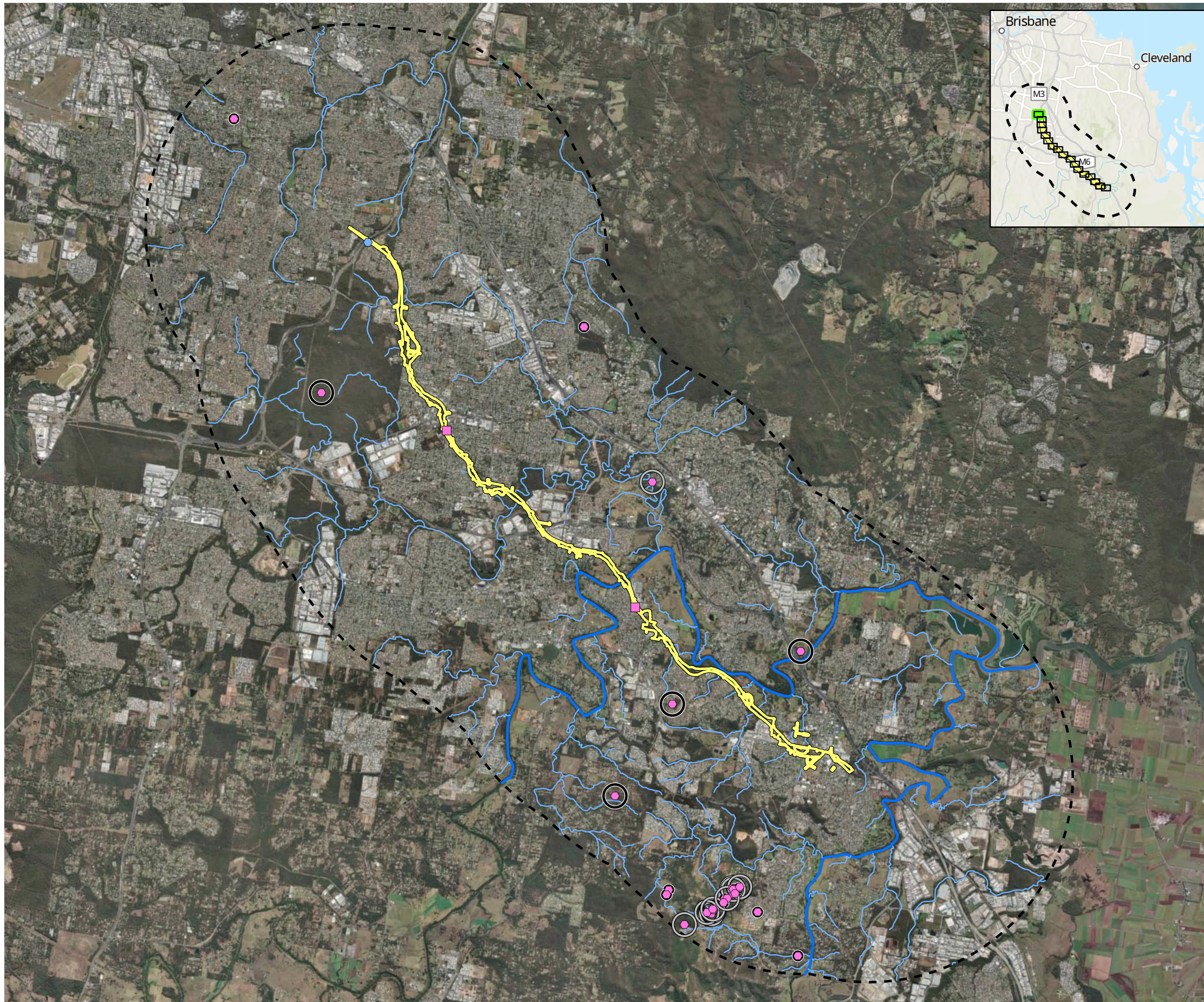
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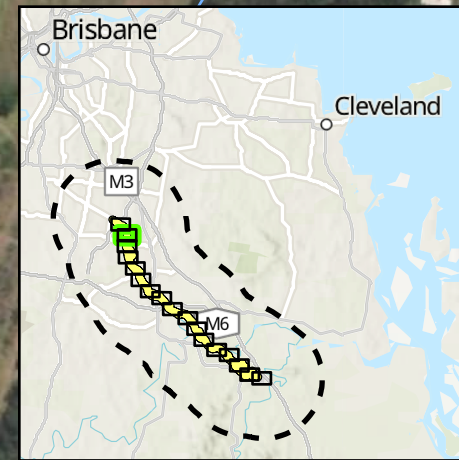
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Figure 21 Macadamia nut habitat and records



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Figure 21 Macadamia nut habitat and records



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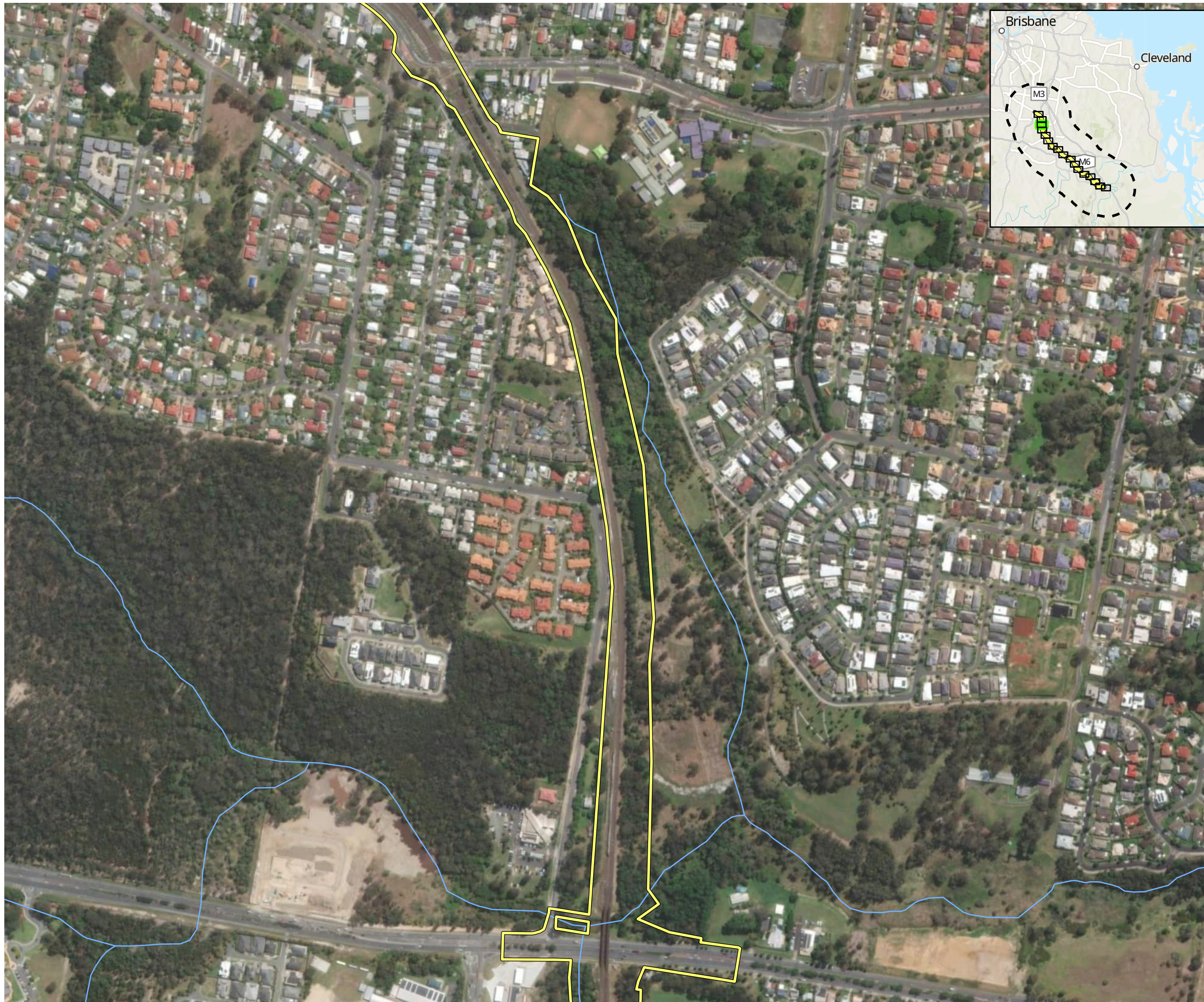
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Figure 21 Macadamia nut habitat and records

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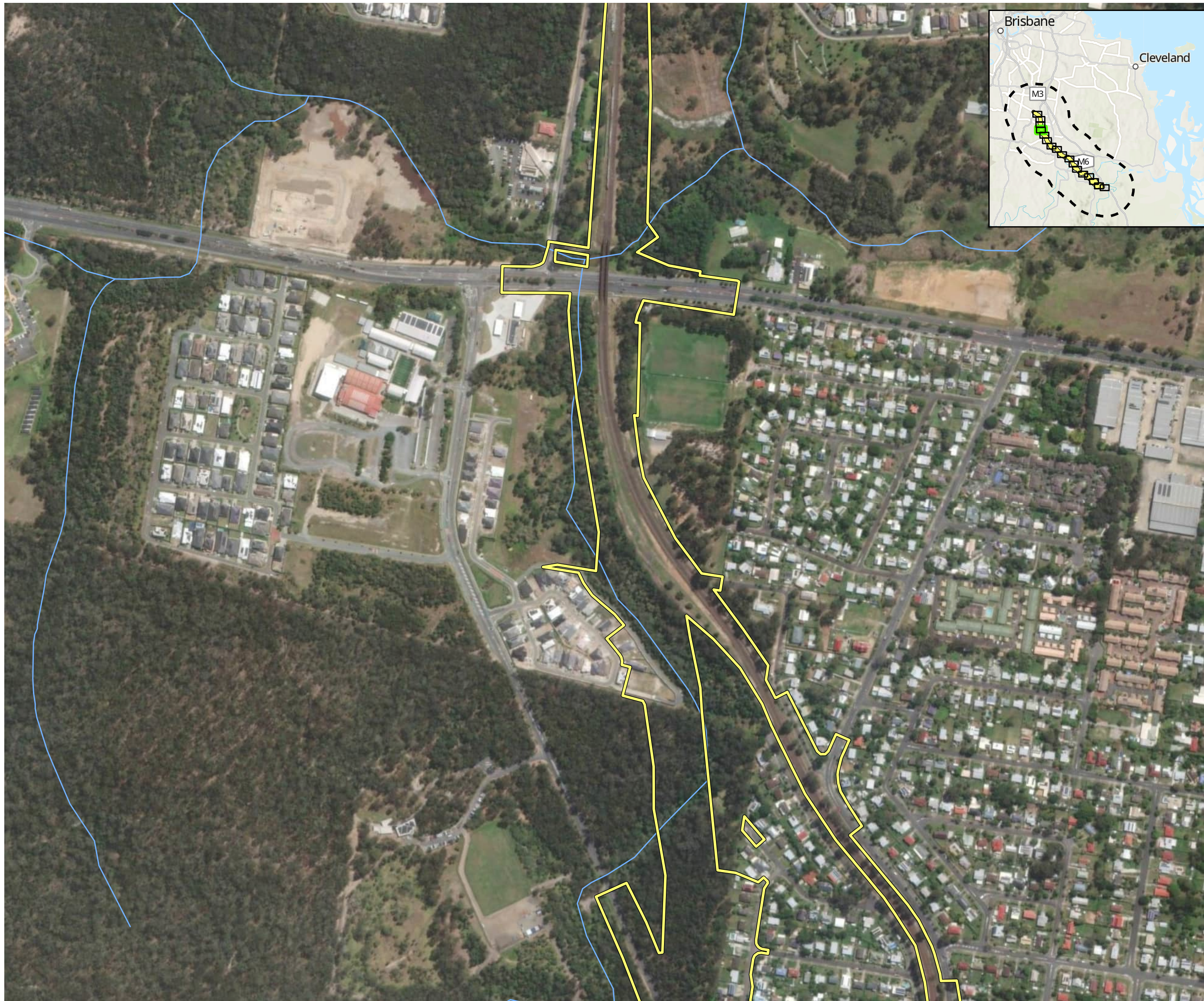
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Figure 21 Macadamia nut habitat and records

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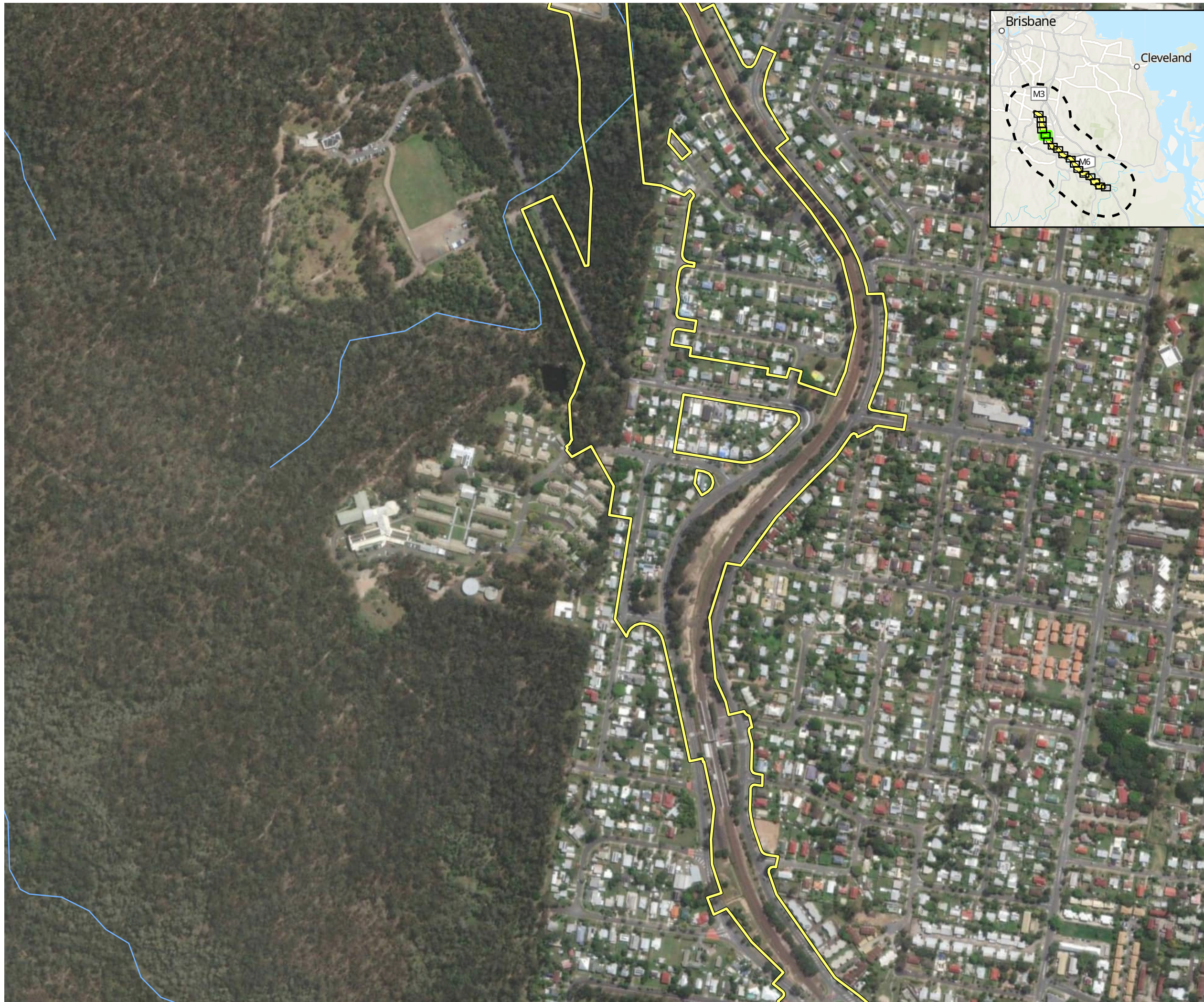
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Figure 21 Macadamia nut habitat and records

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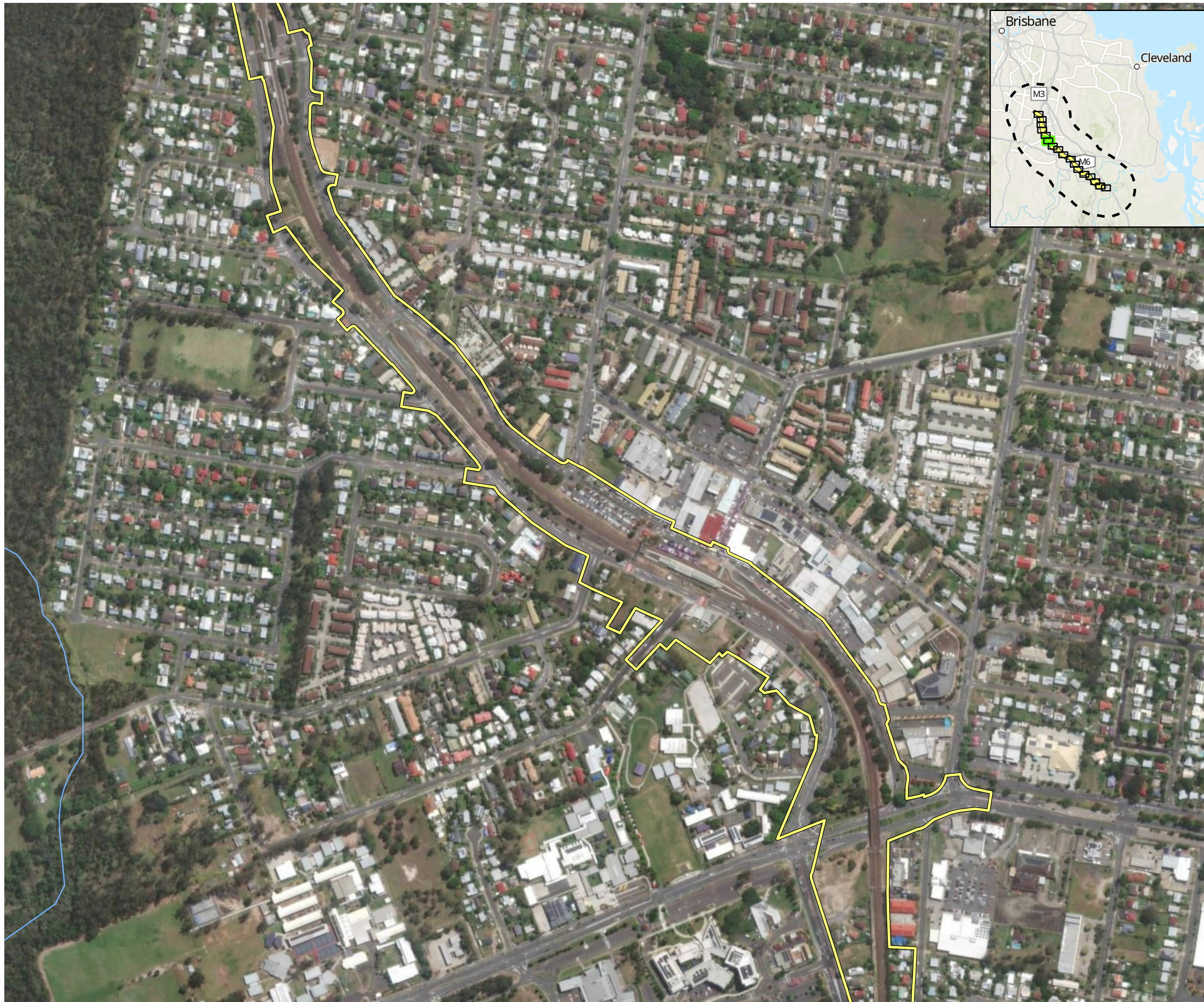
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Figure 21 Macadamia nut habitat and records

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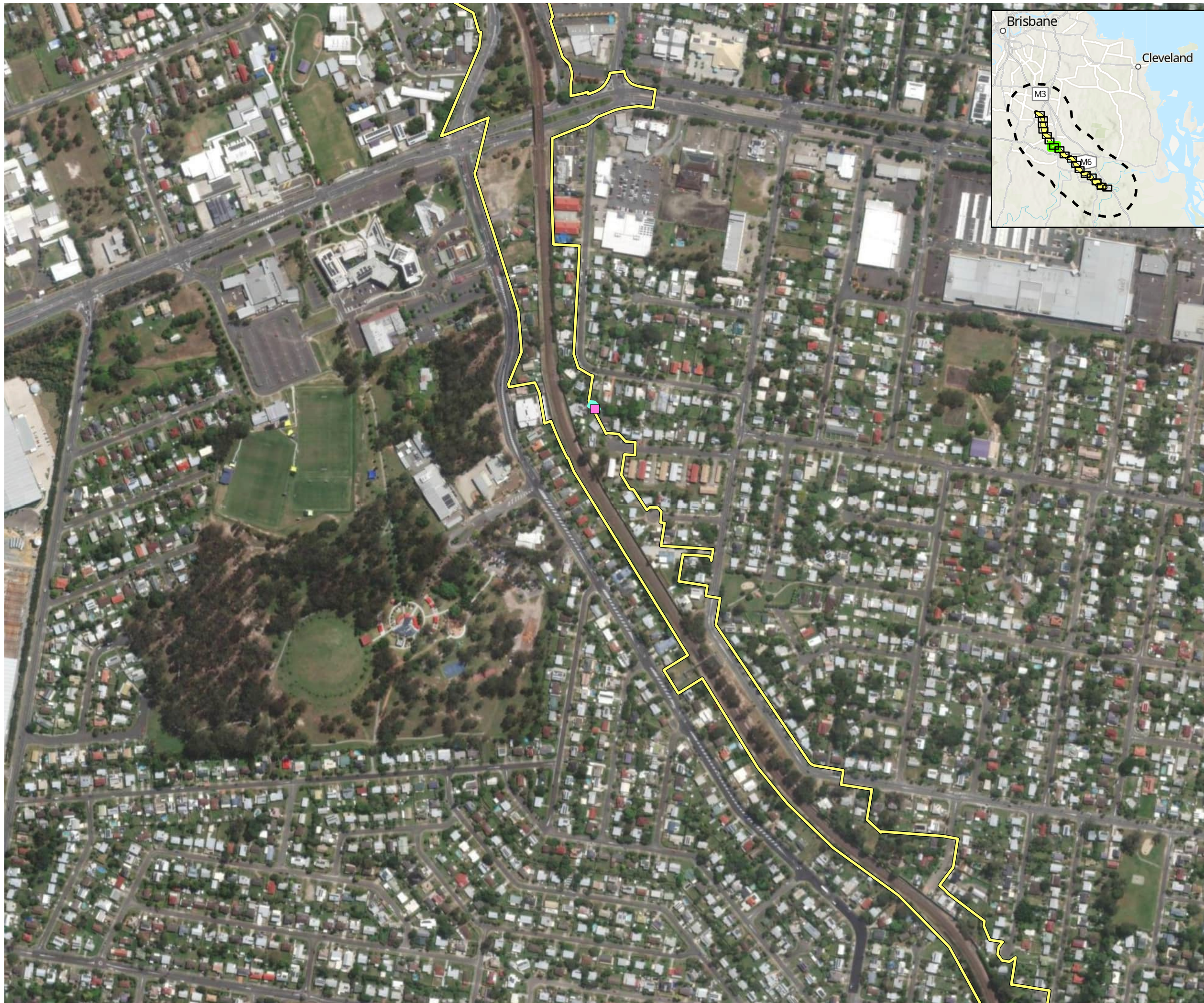
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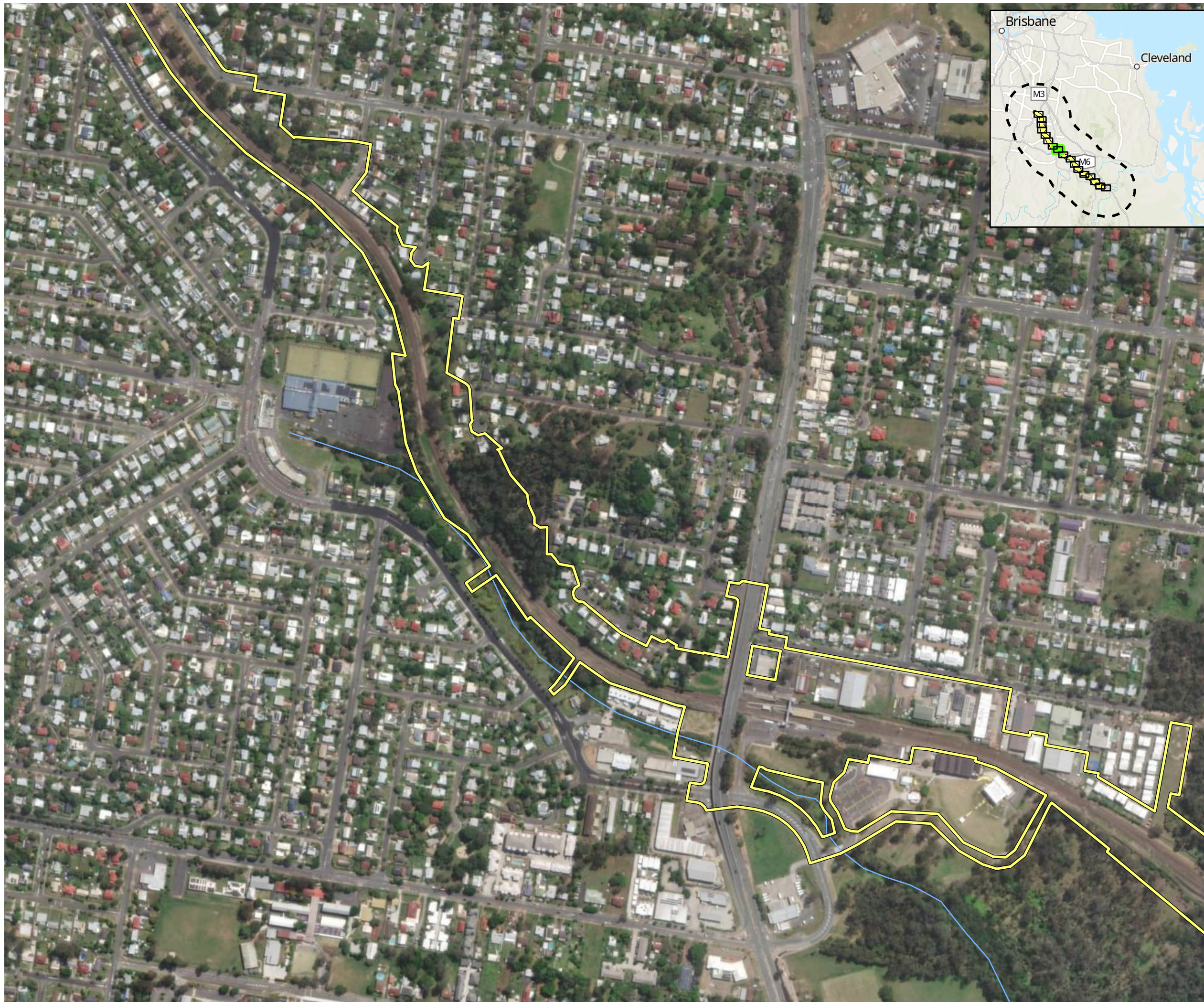
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Figure 21 Macadamia nut habitat and records

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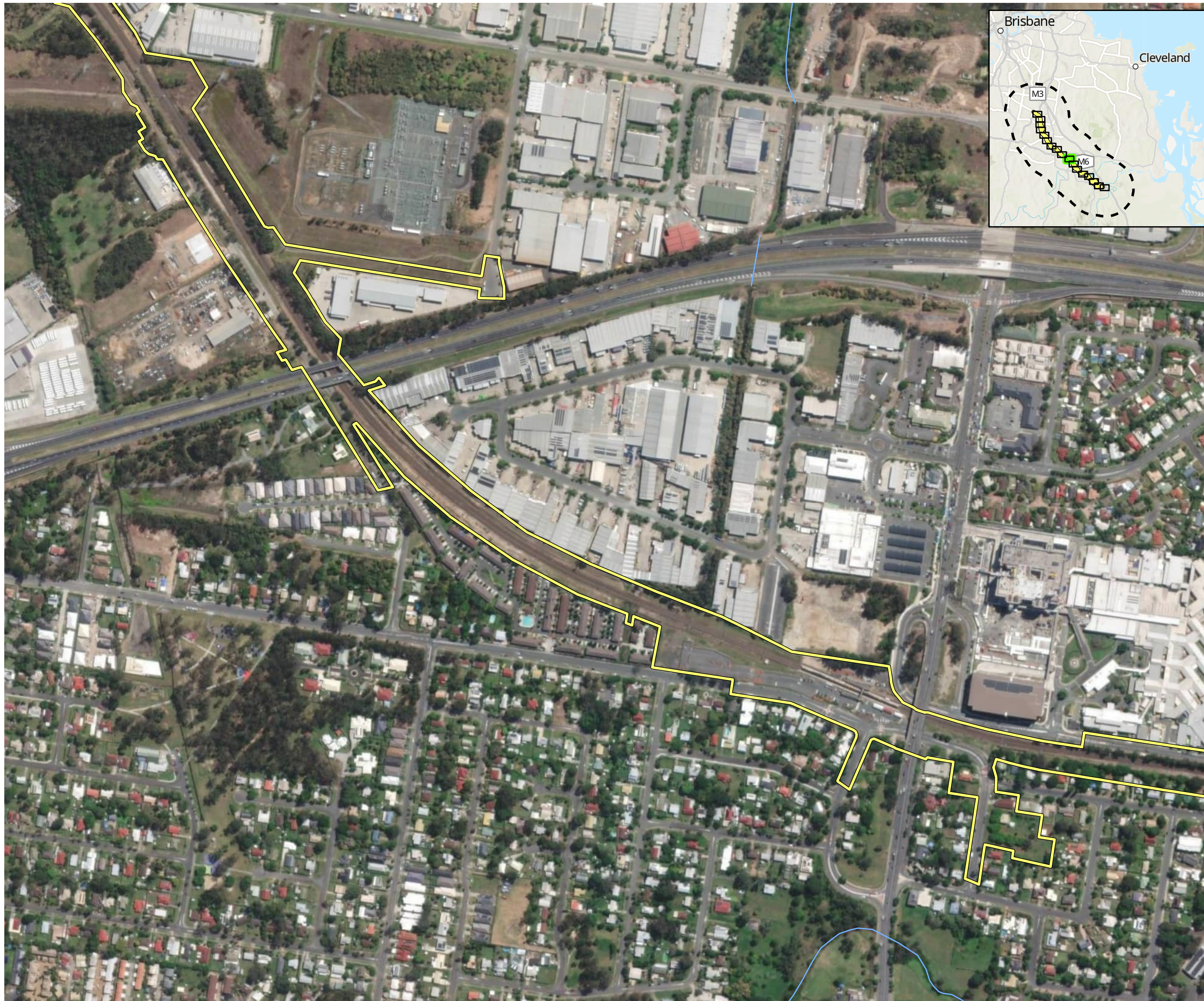
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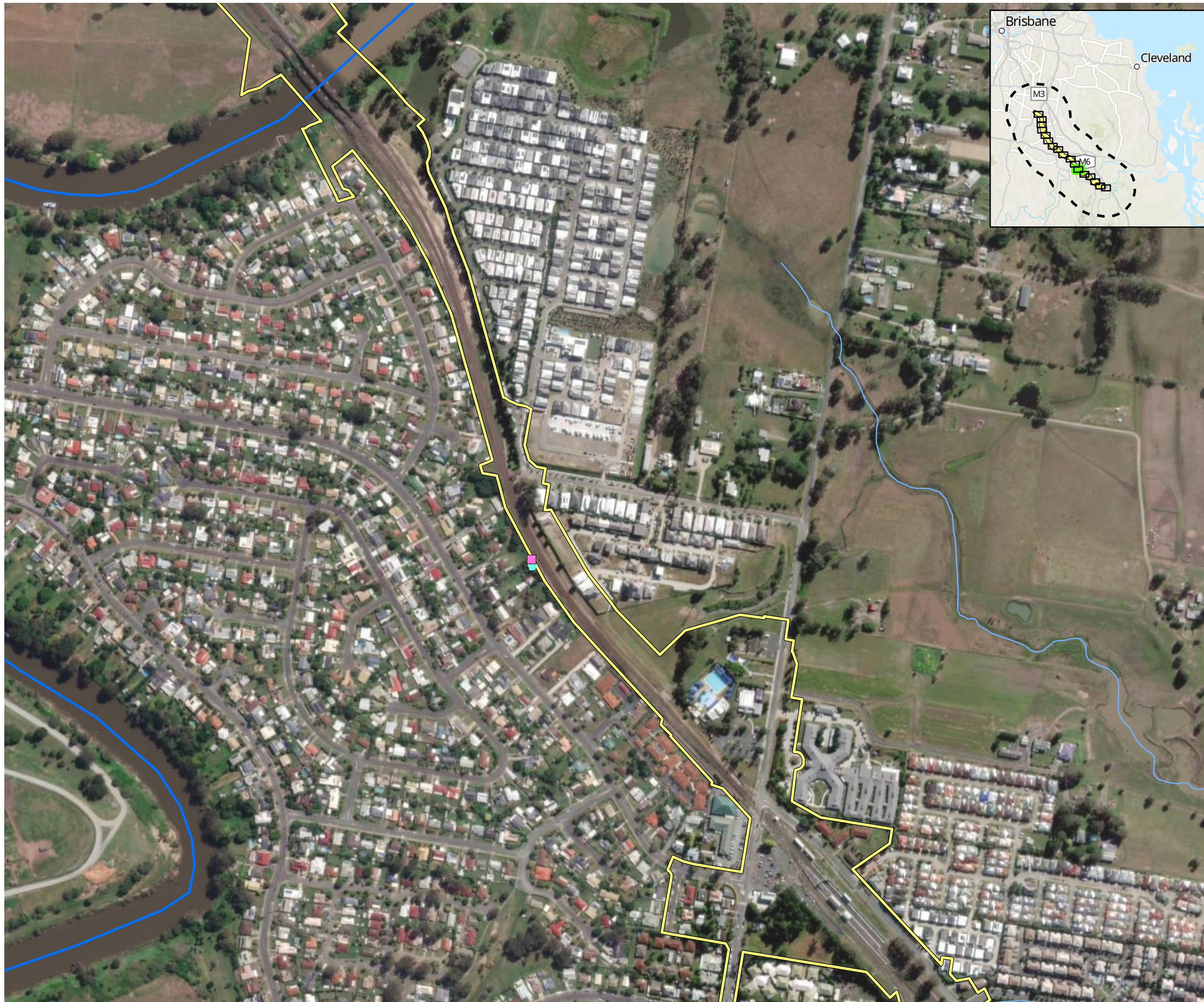
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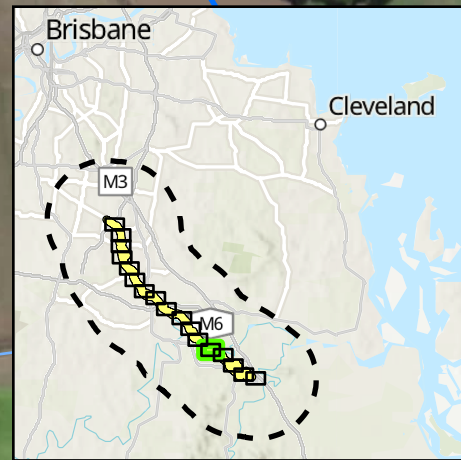
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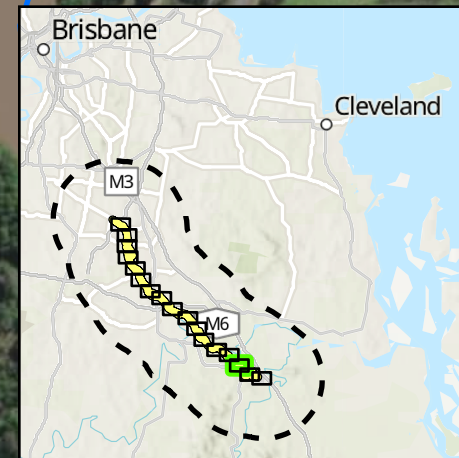
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Figure 21 Macadamia nut habitat and records

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Project: Logan and Gold Coast Faster Rail
Report: Preliminary Documentation - Supplementary MNES Report
Client: Department of Transport and Main Roads
Project Number: 60681907
Date: 17/02/2025

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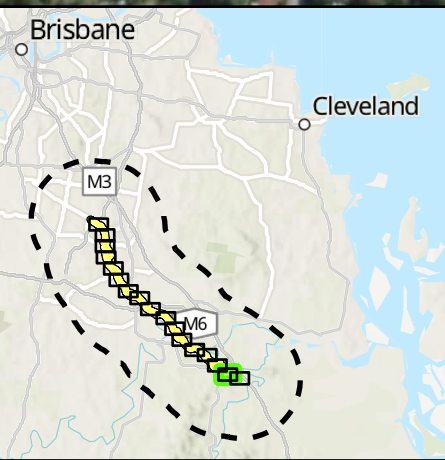
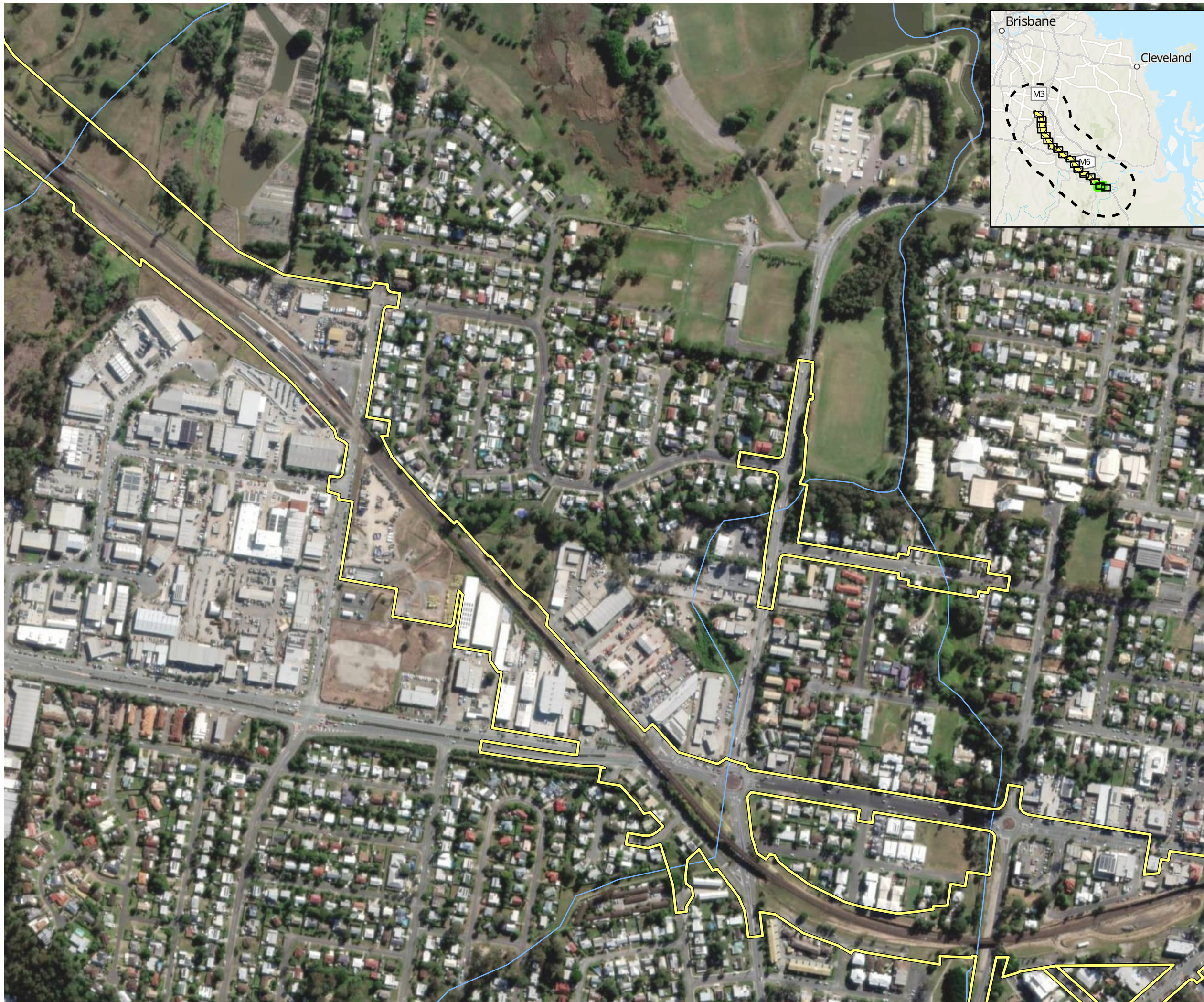
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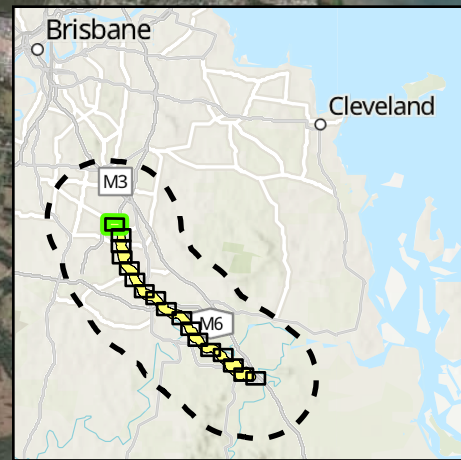
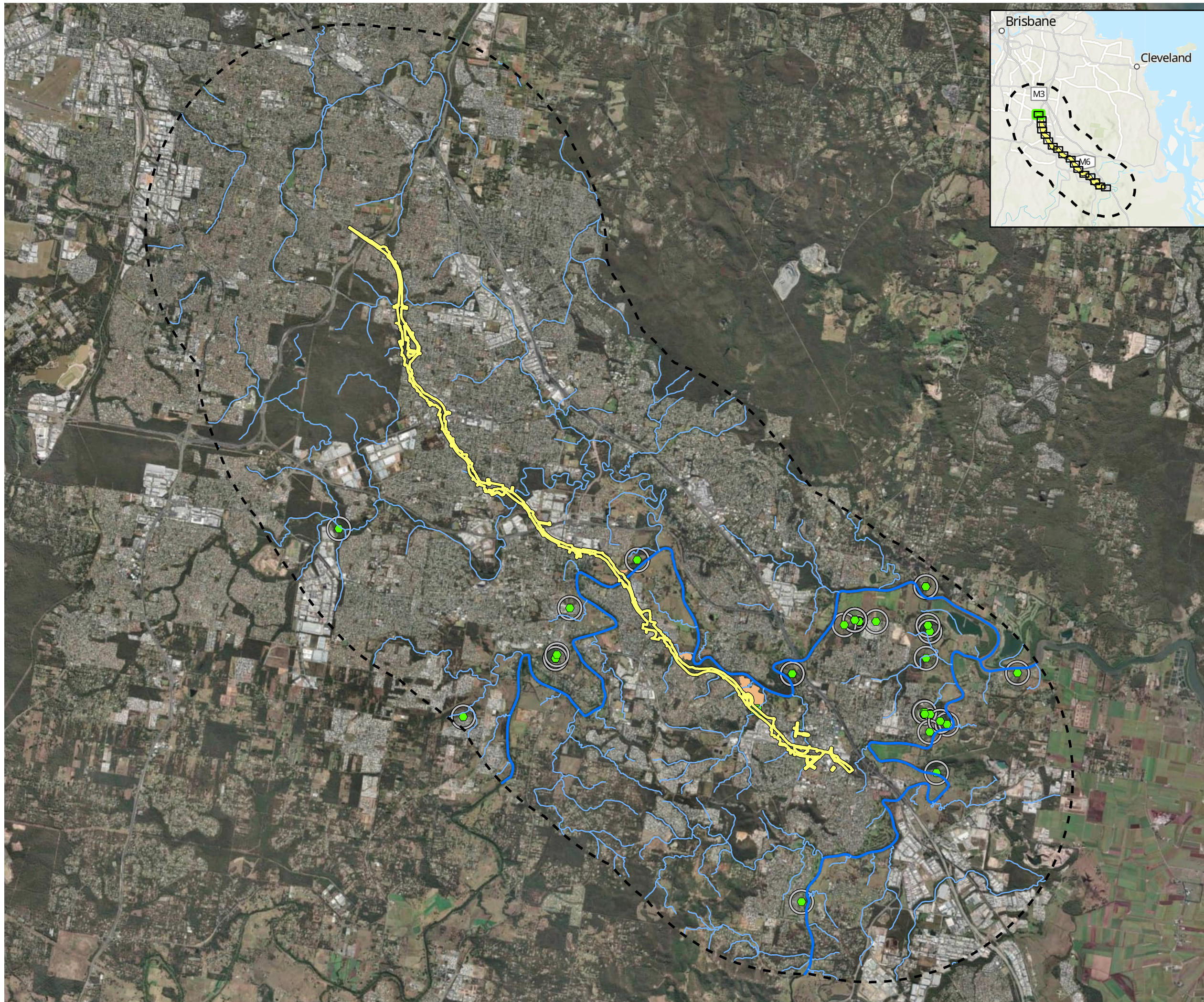
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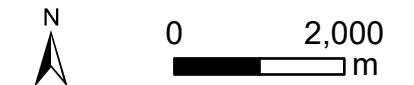
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Figure 21 Macadamia nut habitat and records

Figure 22 Latham's snipe habitat and records



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Figure 22 Latham's snipe habitat and records



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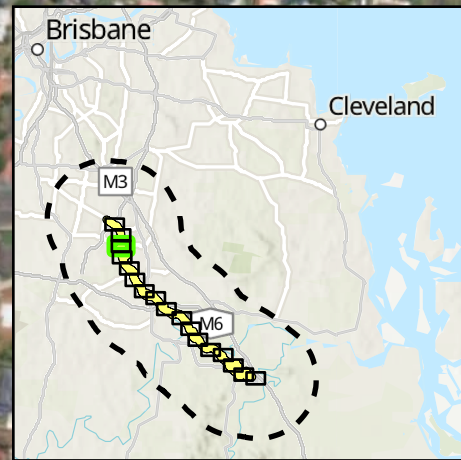
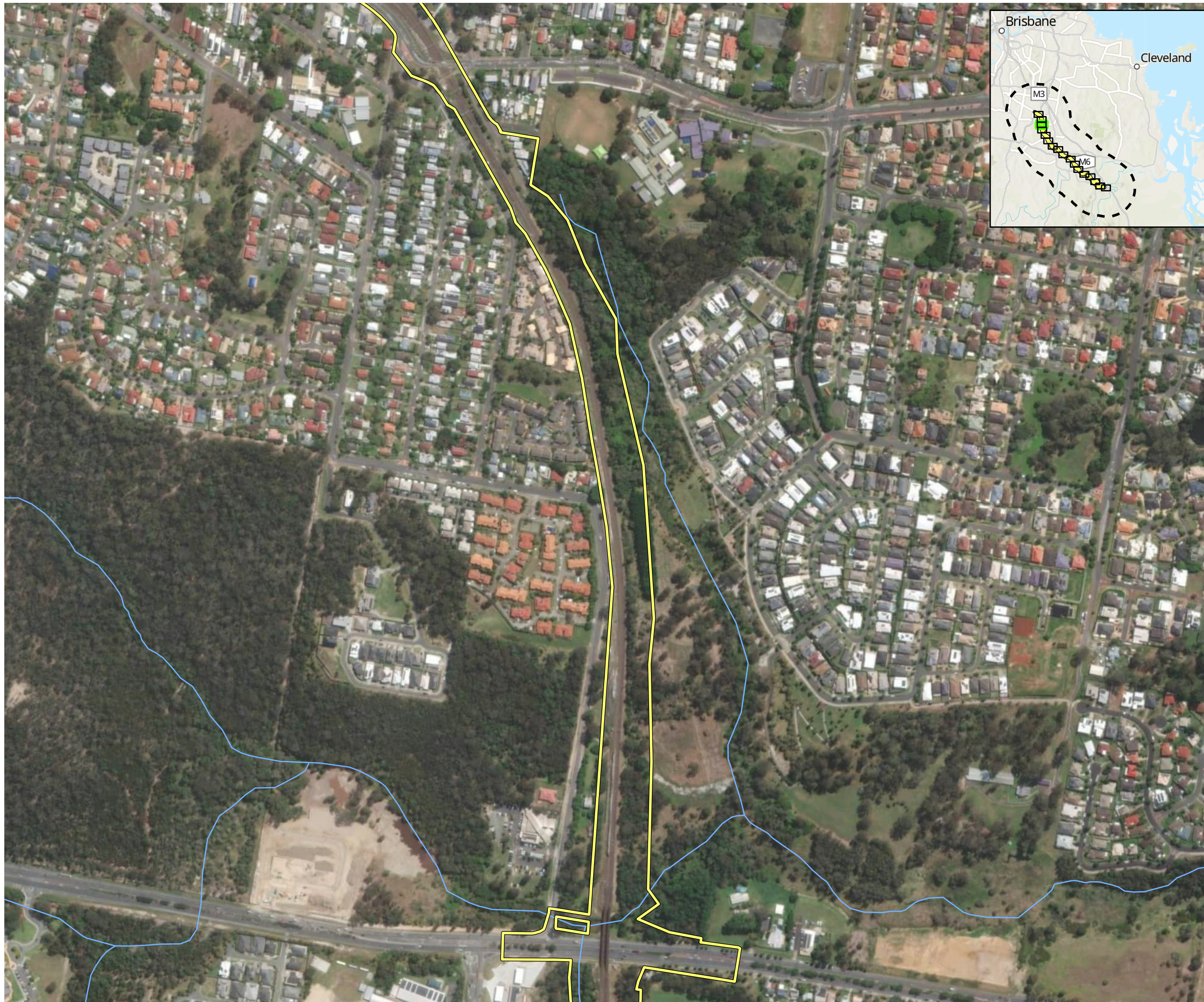
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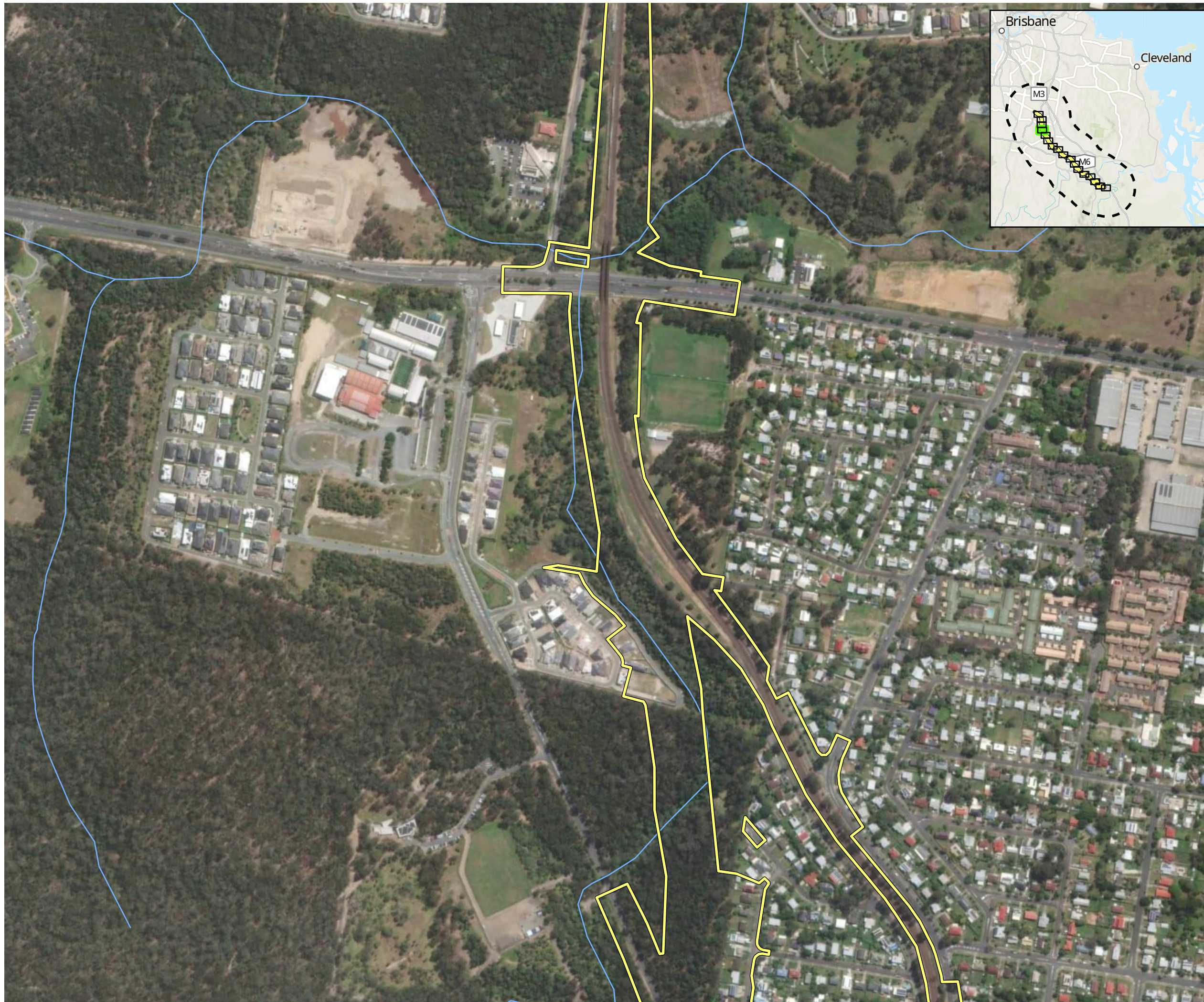
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Figure 22 Latham's snipe habitat and records

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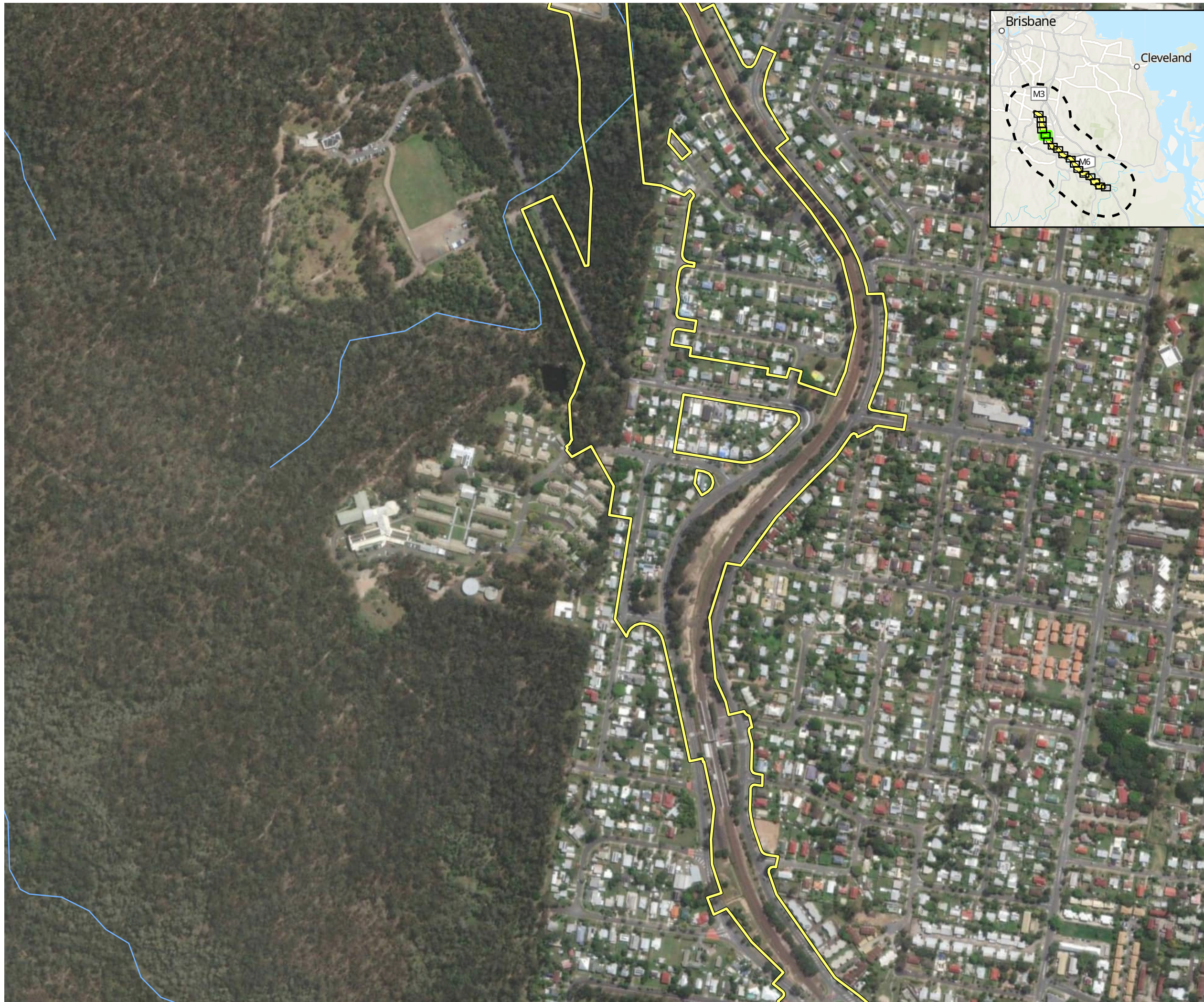
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Figure 22 Latham's snipe habitat and records

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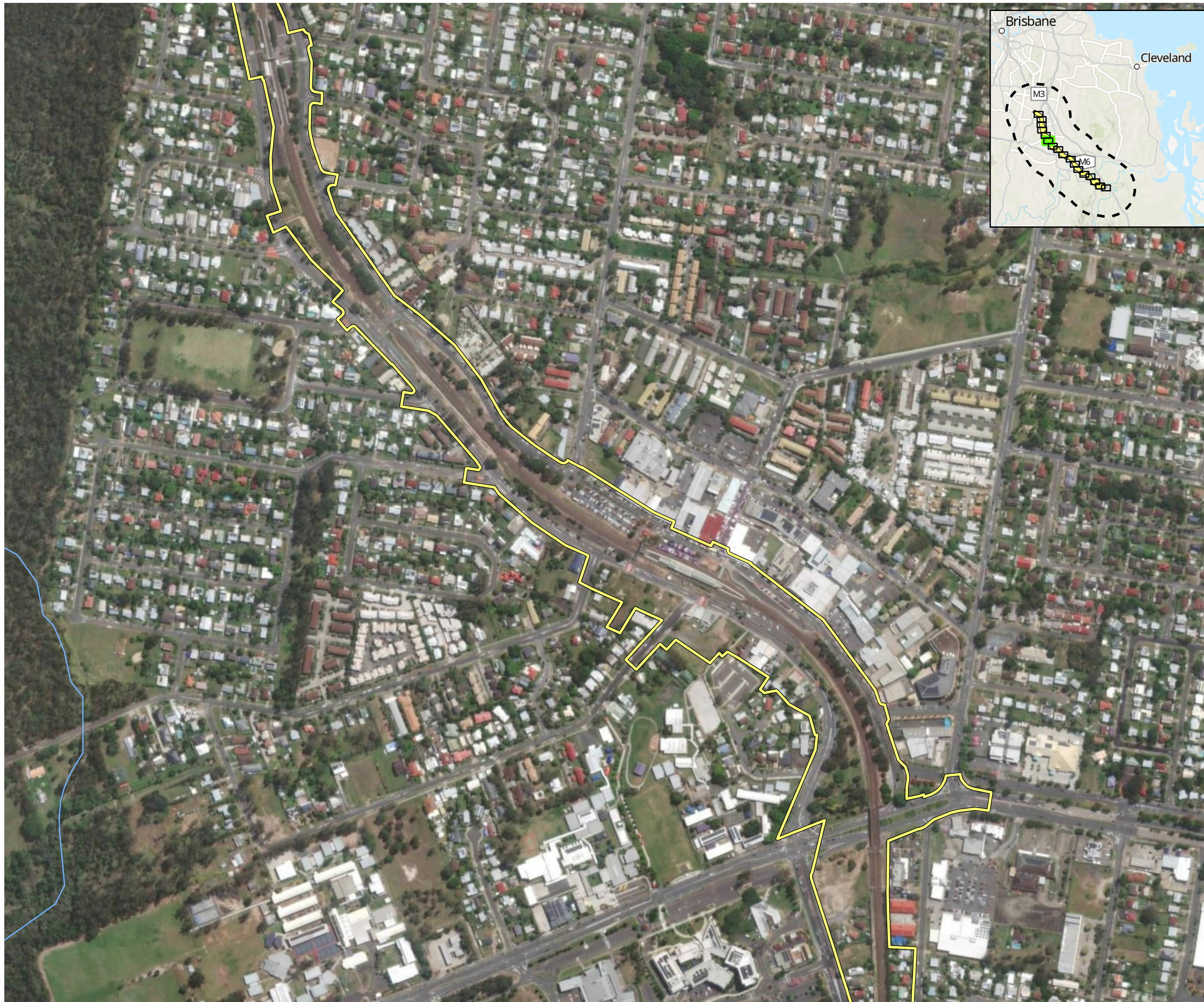
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Figure 22 Latham's snipe habitat and records

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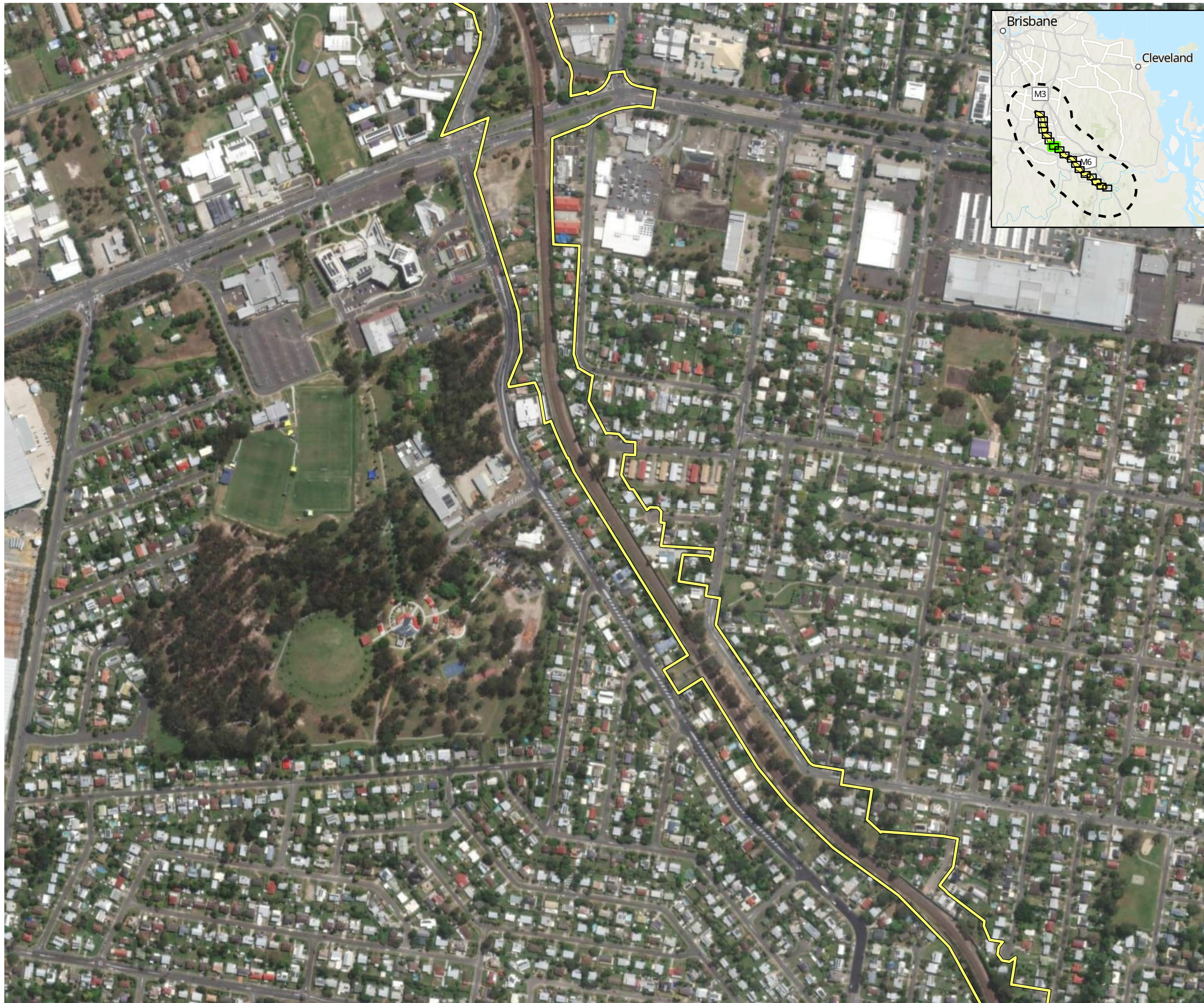
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Figure 22 Latham's snipe habitat and records

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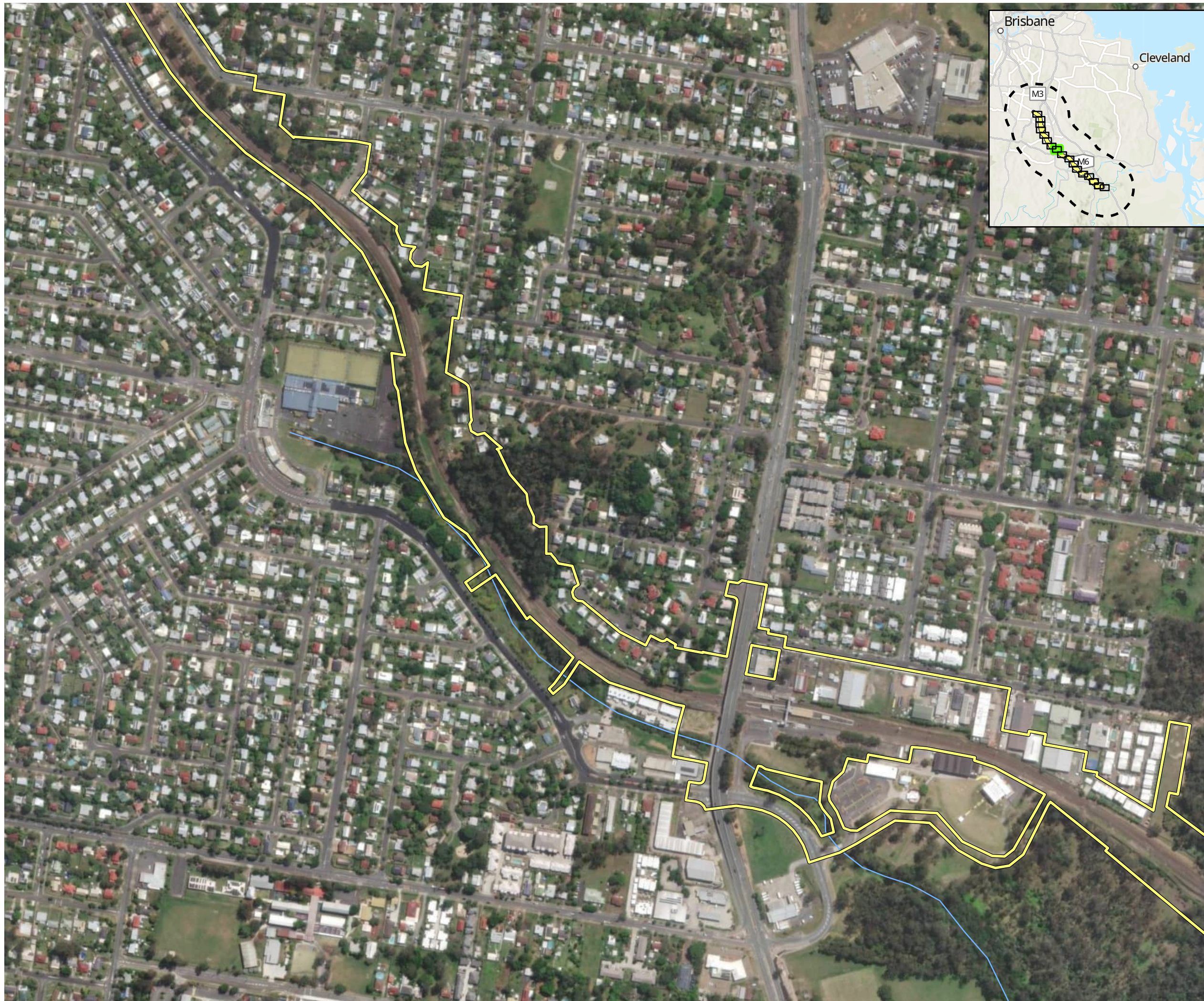
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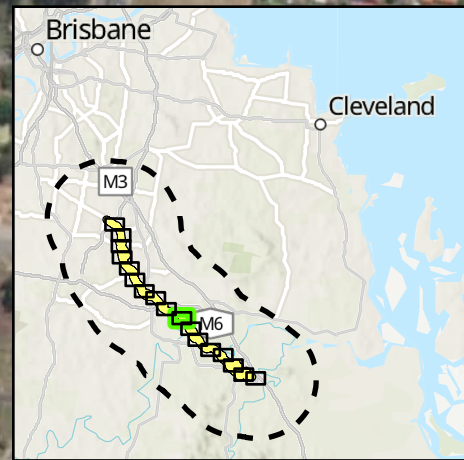
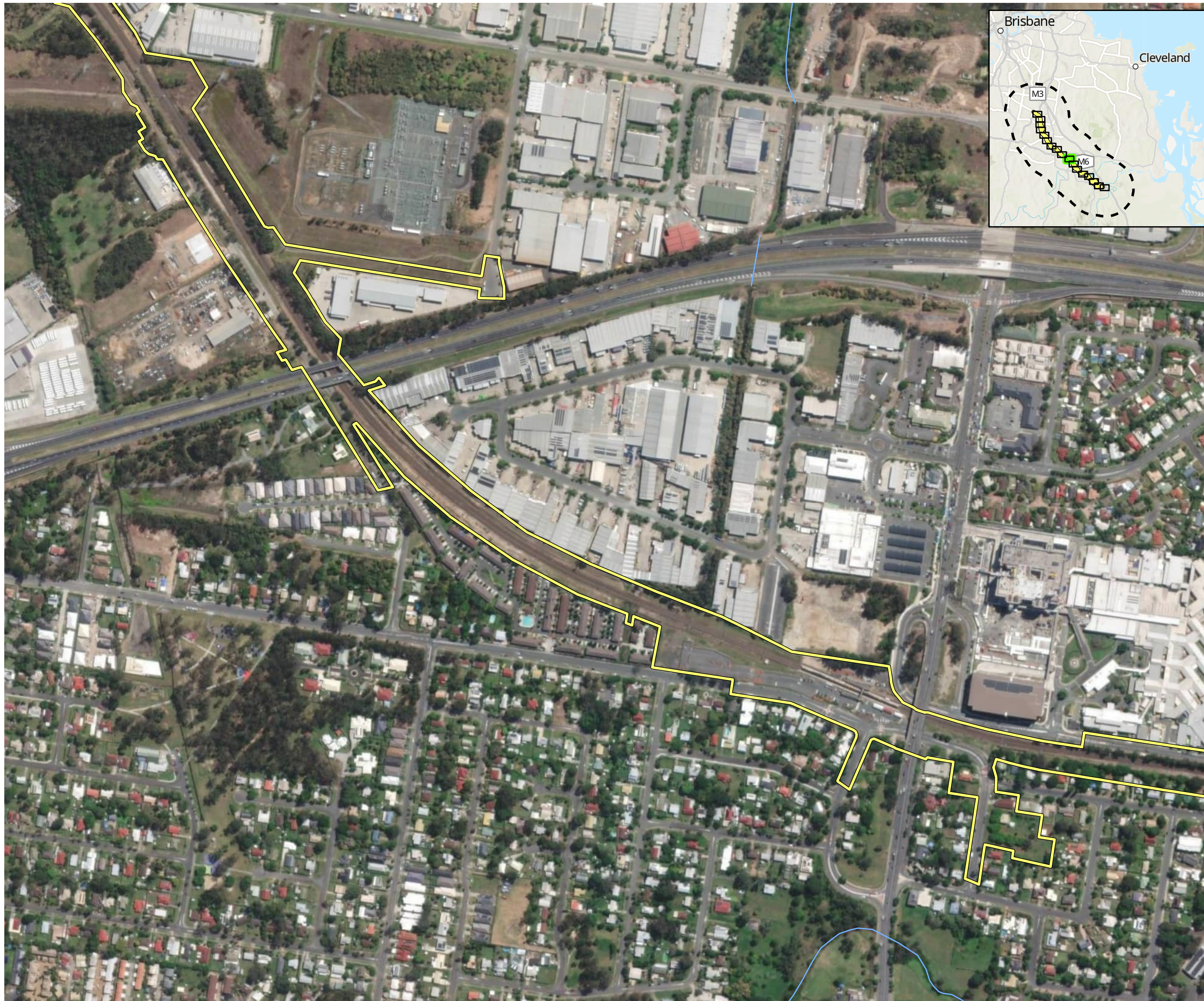
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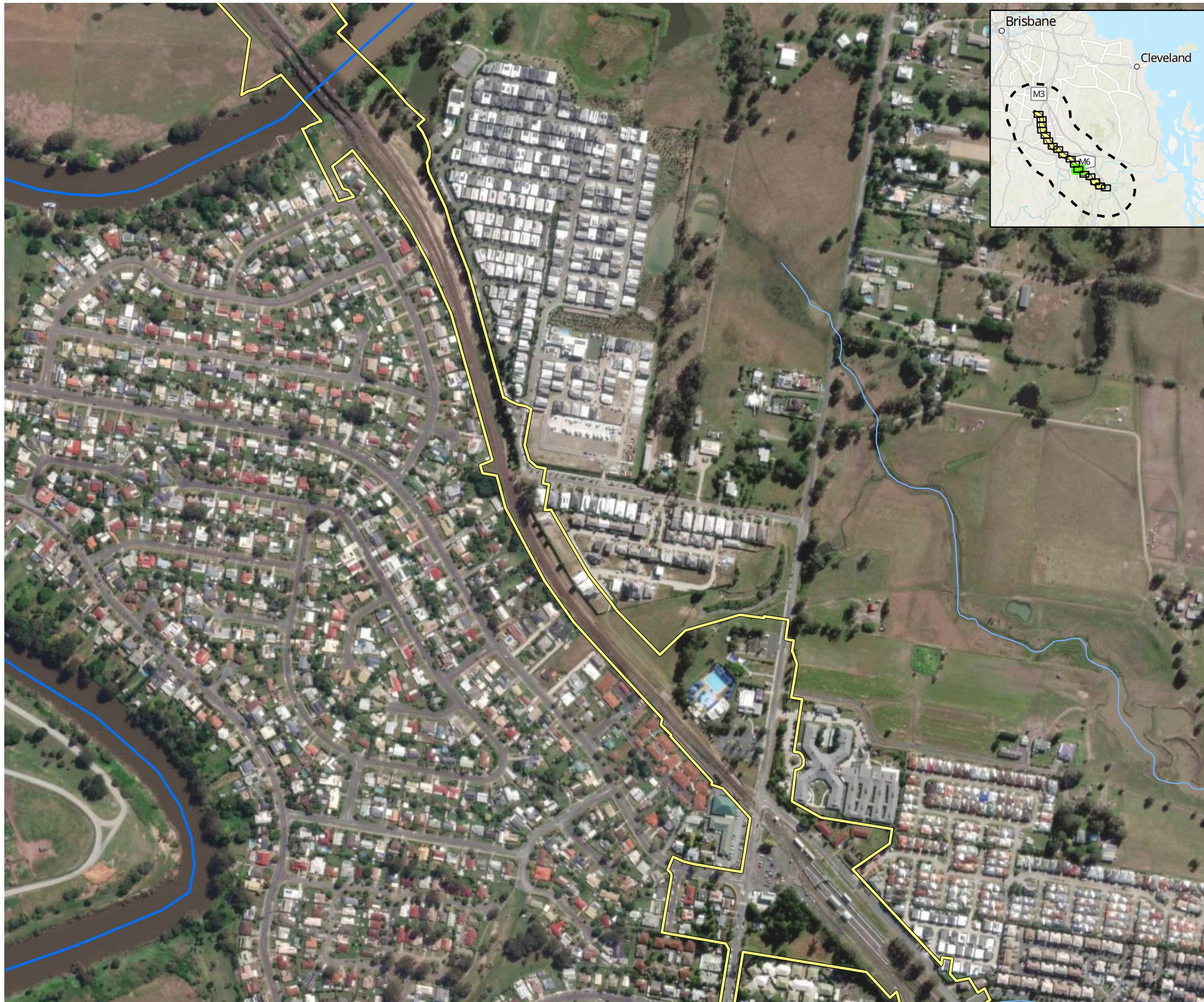
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- Watercourse (minor)
- Latham's snipe habitat (AECOM, 2024)**
- Foraging and dispersal
- Species records post 2014 (ALA, 2024)**
- Latham's snipe
- Species observations (AECOM, 2024)**
- Latham's snipe
- Spatial uncertainty**
- No spatial uncertainty specified
- <250 m spatial uncertainty
- 250 m-1 km spatial uncertainty
- 1-5 km spatial uncertainty
- 5-10 km spatial uncertainty
- >10 km spatial uncertainty

Figure 22 Latham's snipe habitat and records



AECOM



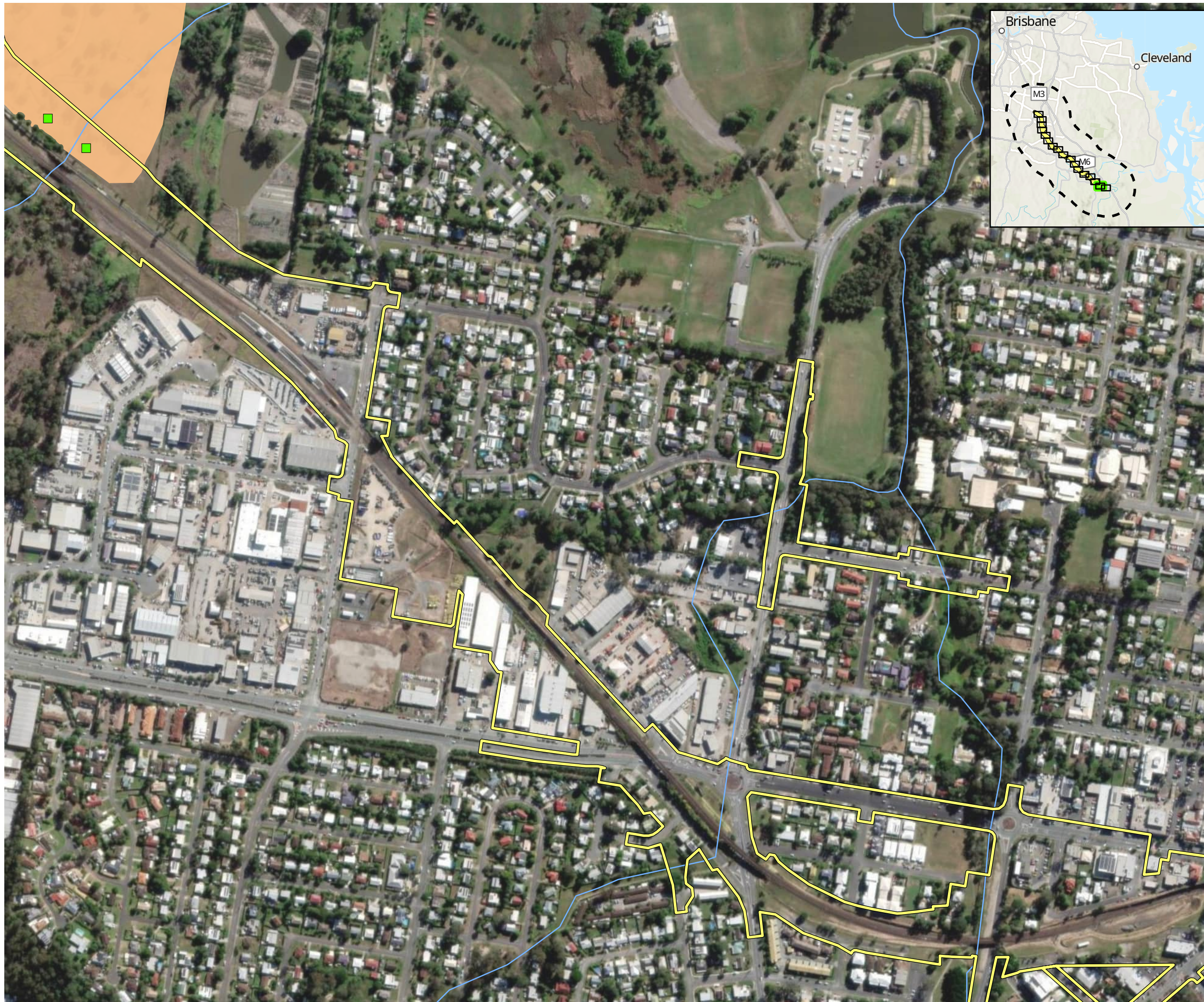
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Figure 22 Latham's snipe habitat and records

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Project: Logan and Gold Coast Faster Rail
Report: Preliminary Documentation - Supplementary MNES Report
Client: Department of Transport and Main Roads
Project Number: 60681907
Date: 12/02/2025

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