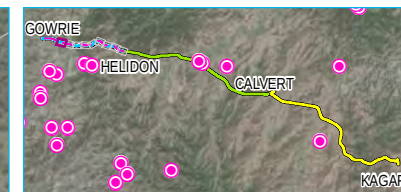
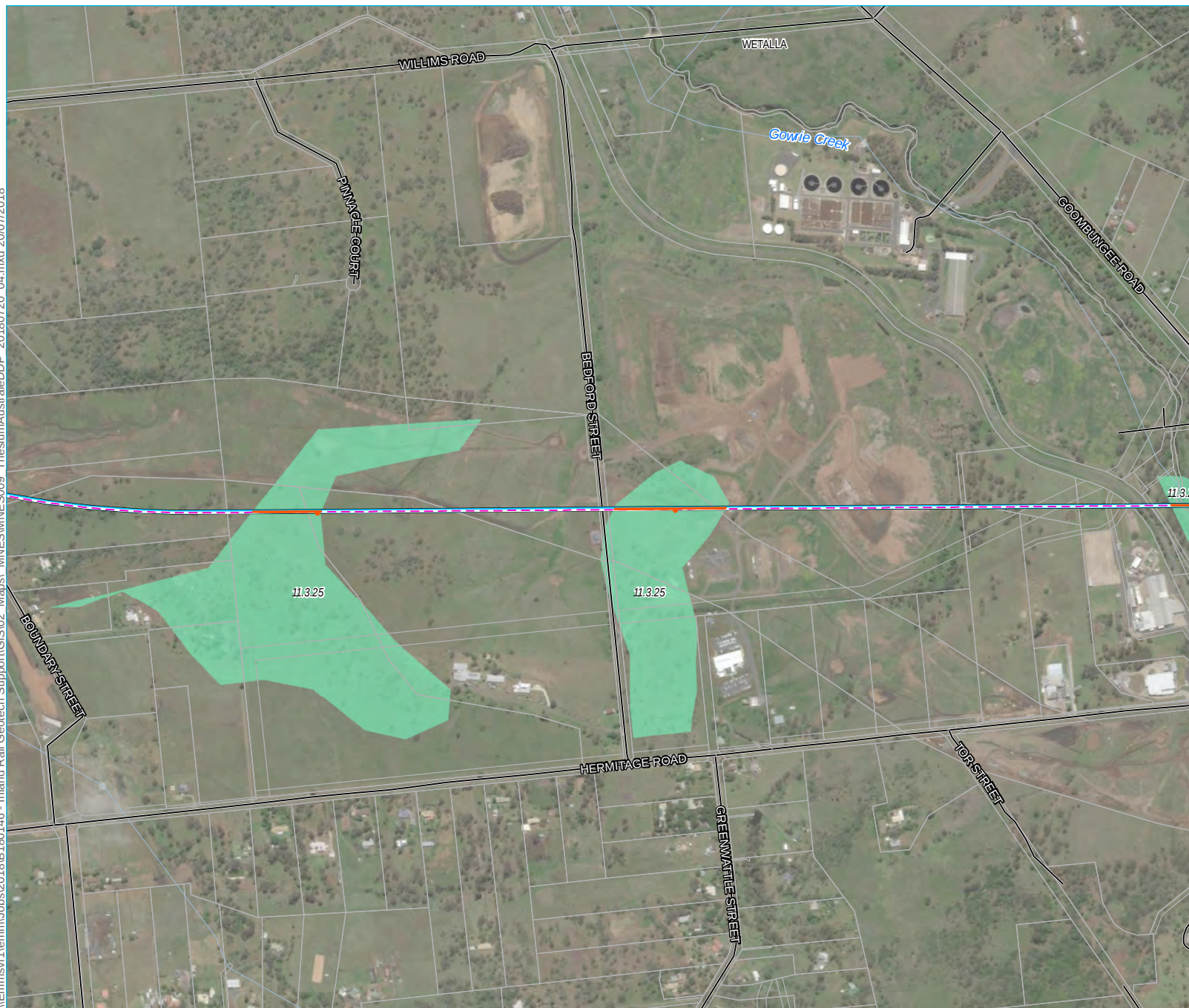


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KEY

- Gowrie to Helidon (G2H) baseline alignment
- Option 3216 alignment
- Road/track
- Watercourse/drainage line
- Cadastral boundary
- Austral Toadflax (*Thesium australe*) record (ALA, 2018)
- Austral Toadflax (*Thesium australe*) potential habitat (by VM status, labelled dominant)
- Least concern (remnant)
- Impact area in potential Austral Toadflax (*Thesium australe*) habitat
- Investigation site
- Access track

MNES Potential Habitats -
Austral Toadflax (*Thesium australe*)

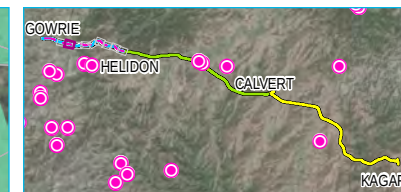
Geotechnical Investigations
Gowrie to Kagaru
Map 1 of 9



Source: EMM (2018); ARTC (2018); ALA (2018); QSpatial (2018); GA (2015)

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GDA 1994 MGA Zone 56

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KEY

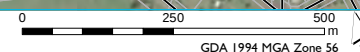
- Gowrie to Helidon (G2H) baseline alignment
- Option 3216 alignment
- Road/track
- Watercourse/drainage line
- Cadastral boundary
- Austral Toadflax (*Thesium australe*) record (ALA, 2018)
- Austral Toadflax (*Thesium australe*) potential habitat (by VM status, labelled dominant)
 - Least concern (remnant)
 - Least concern (regrowth)
- Impact area in potential Austral Toadflax (*Thesium australe*) habitat
 - Investigation site
 - Access track

MNES Potential Habitats - Austral Toadflax (*Thesium australe*)

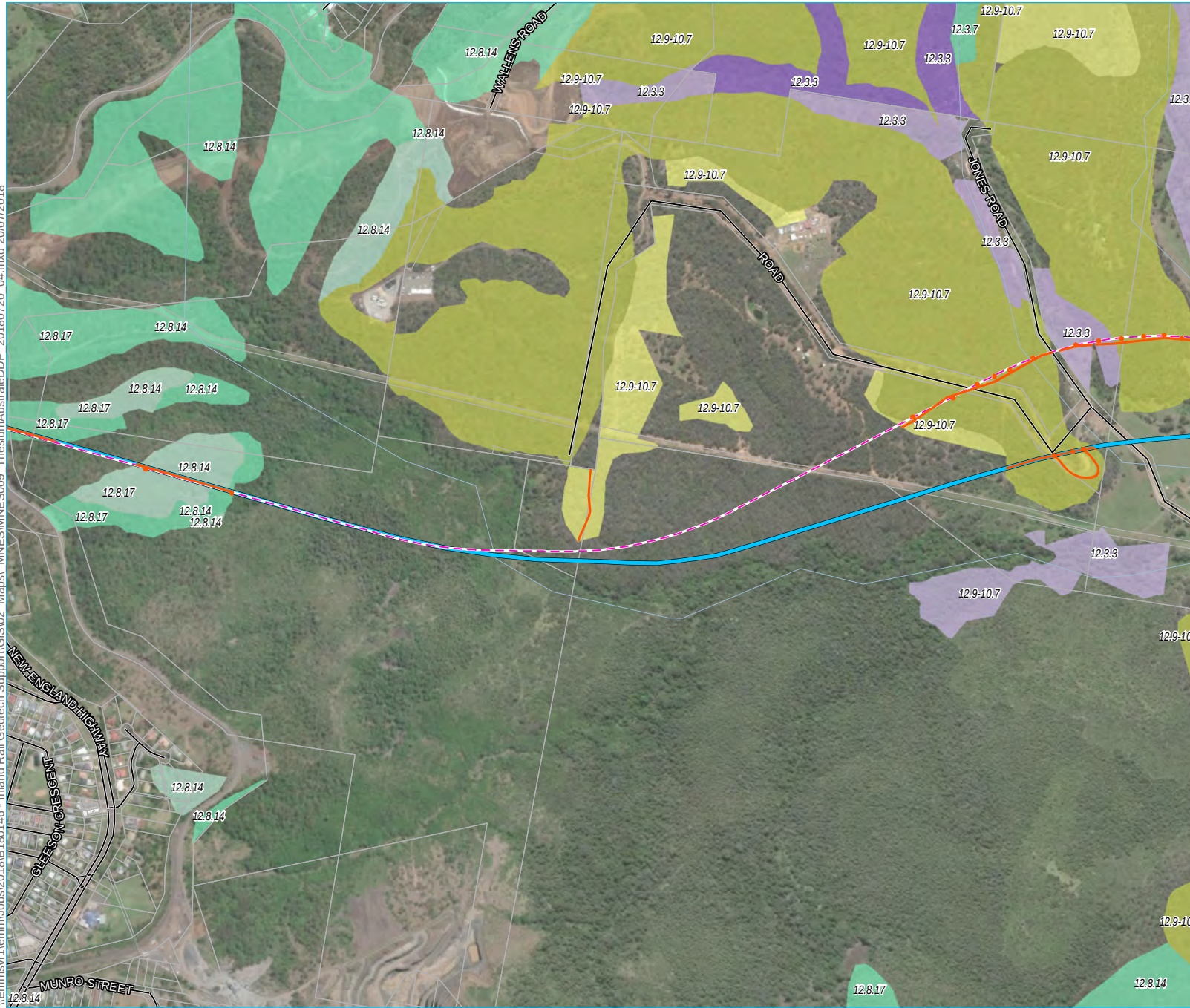
Geotechnical Investigations
Gowrie to Kagaru
Map 2 of 9



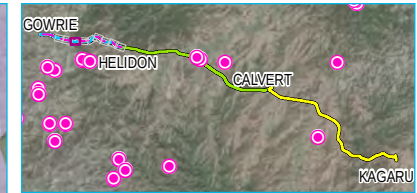
Source: EMM (2018); ARTC (2018); ALA (2018); QSpatial (2018); GA (2015)



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Source: EMM (2018); ARTC (2018); ALA (2018); QSpatial (2018); GA (2015)

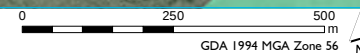


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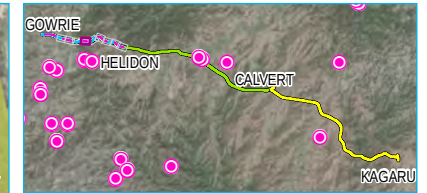
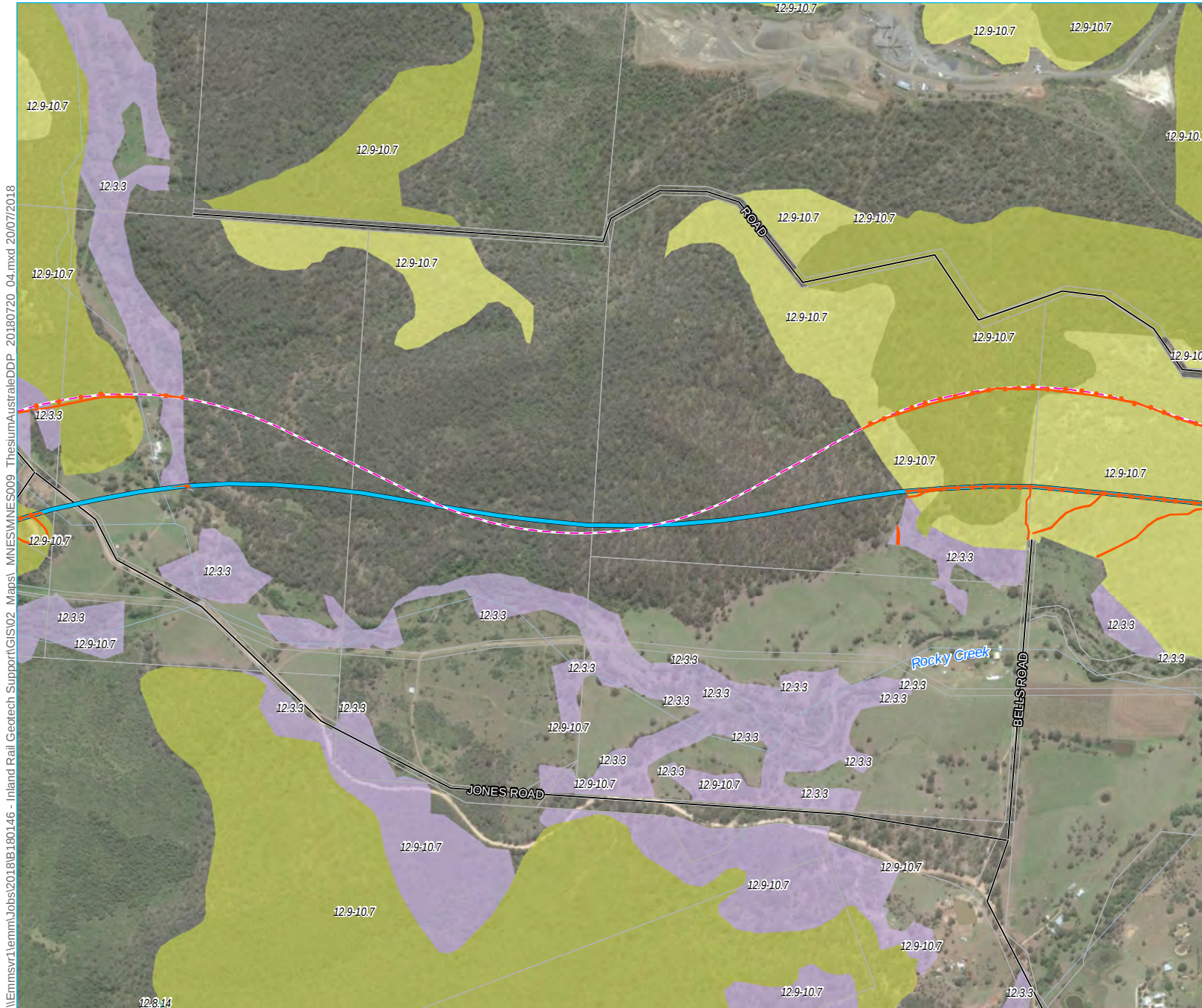
- Gowrie to Helidon (G2H) baseline alignment
- Option 3216 alignment
- Road/track
- Watercourse/drainage line
- Cadastral boundary
- Austral Toadflax (*Thesium australe*) record (ALA, 2018)
- Austral Toadflax (*Thesium australe*) potential habitat (by VM status, labelled dominant)
 - Endangered (remnant)
 - Endangered (regrowth)
 - Of concern (remnant)
 - Of concern (regrowth)
 - Least concern (remnant)
 - Least concern (regrowth)
- Impact area in potential Austral Toadflax (*Thesium australe*) habitat
 - Investigation site
 - Access track

MNES Potential Habitats - Austral Toadflax (*Thesium australe*)

Geotechnical Investigations
Gowrie to Kagaru
Map 3 of 9



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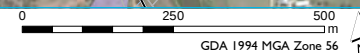
- Gowrie to Helidon (G2H) baseline alignment
- - - Option 3216 alignment
- Road/track
- Watercourse/drainage line
- Cadastral boundary
- Austral Toadflax (*Thesium australe*) record (ALA, 2018)
- Austral Toadflax (*Thesium australe*) potential habitat (by VM status, labelled dominant)
 - Endangered (regrowth)
 - Of concern (remnant)
 - Of concern (regrowth)
 - Least concern (remnant)
- Impact area in potential Austral Toadflax (*Thesium australe*) habitat
 - Investigation site
 - Access track

MNES Potential Habitats - Austral Toadflax (*Thesium australe*)

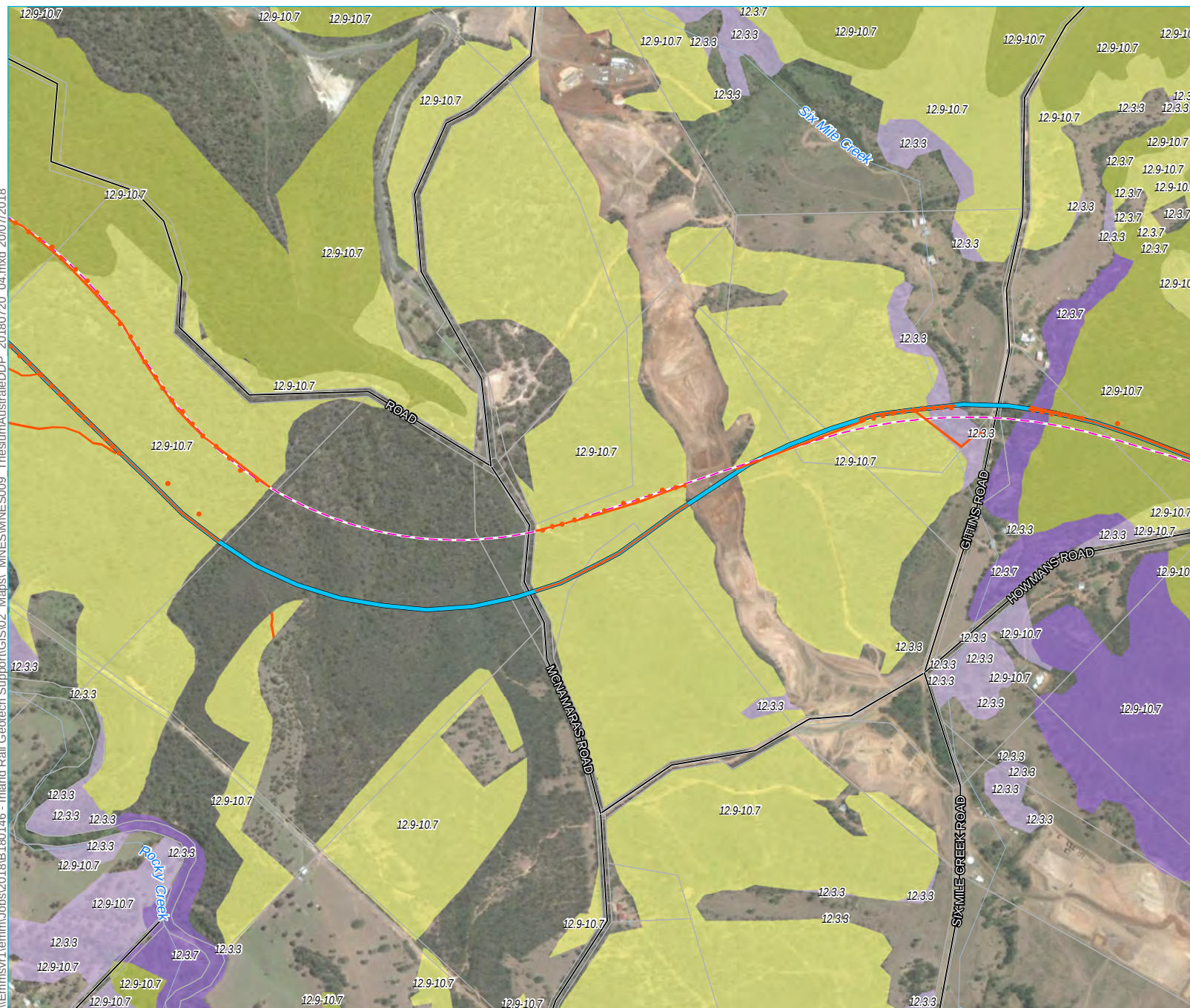
Geotechnical Investigations
Gowrie to Kagaru
Map 4 of 9



Source: EMM (2018); ARTC (2018); ALA (2018); QSpatial (2018); GA (2015)



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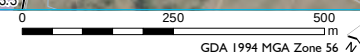
- Gowrie to Helidon (G2H) baseline alignment
- - - Option 3216 alignment
- Road/track
- Watercourse/drainage line
- Cadastral boundary
- Austral Toadflax (*Thesium australe*) record (ALA, 2018)
- Austral Toadflax (*Thesium australe*) potential habitat (by VM status, labelled dominant)
 - Endangered (remnant)
 - Endangered (regrowth)
 - Of concern (remnant)
 - Of concern (regrowth)
- Impact area in potential Austral Toadflax (*Thesium australe*) habitat
 - Investigation site
 - Access track

MNES Potential Habitats - Austral Toadflax (*Thesium australe*)

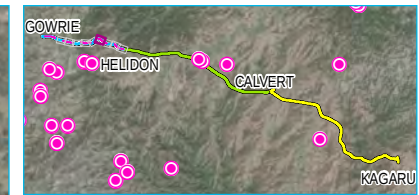
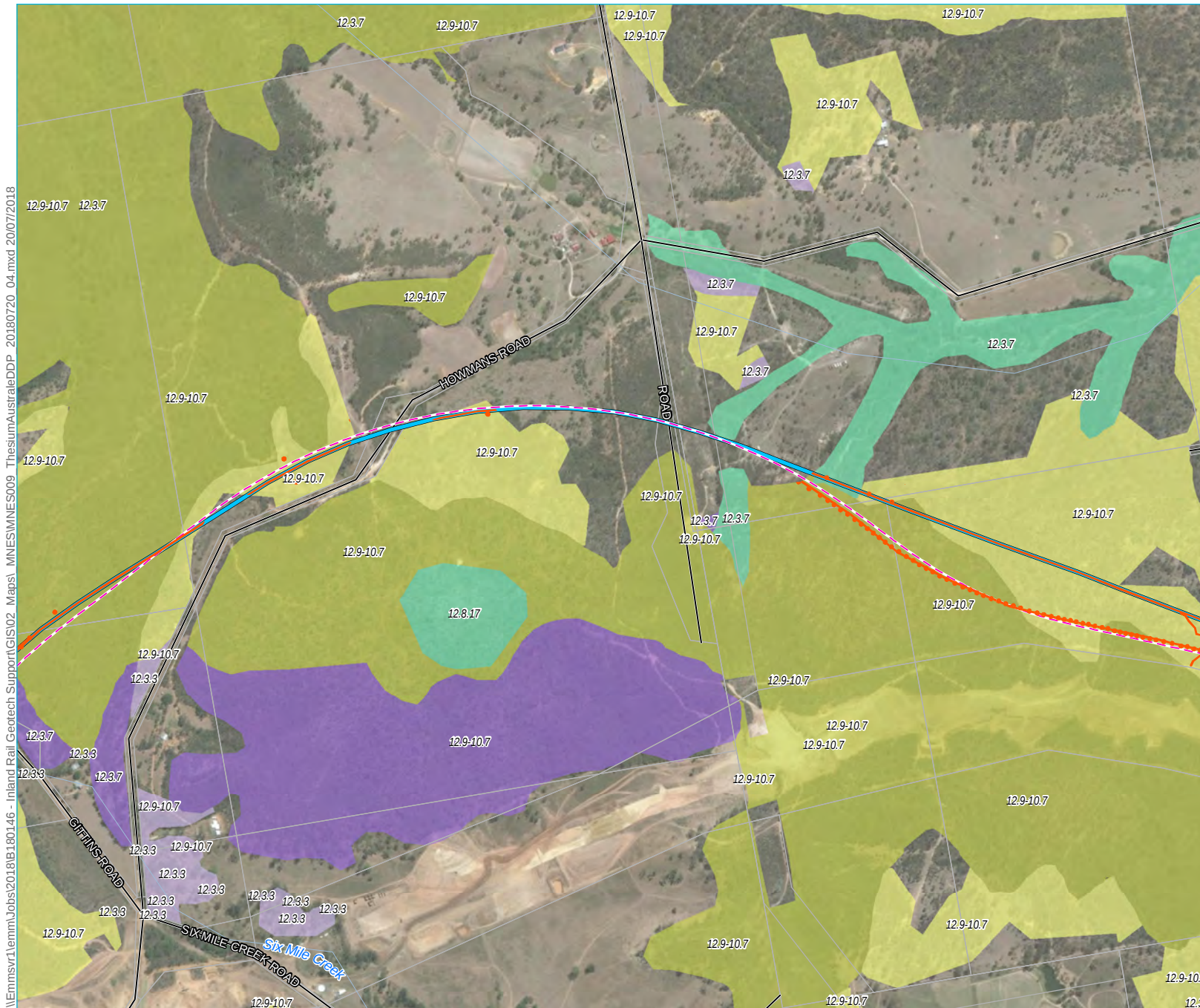
Geotechnical Investigations
Gowrie to Kagaru
Map 5 of 9



Source: EMM (2018); ARTC (2018); ALA (2018); QSpatial (2018); GA (2015)



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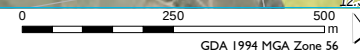
- Gowrie to Helidon (G2H) baseline alignment
- Option 3216 alignment
- Road/track
- Watercourse/drainage line
- Cadastral boundary
- Austral Toadflax (*Thesium australe*) record (ALA, 2018)
- Austral Toadflax (*Thesium australe*) potential habitat (by VM status, labelled dominant)
 - Endangered (remnant)
 - Endangered (regrowth)
 - Of concern (remnant)
 - Of concern (regrowth)
 - Least concern (remnant)
- Impact area in potential Austral Toadflax (*Thesium australe*) habitat
 - Investigation site
 - Access track

MNES Potential Habitats - Austral Toadflax (*Thesium australe*)

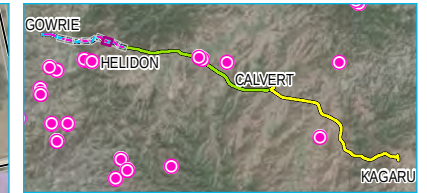
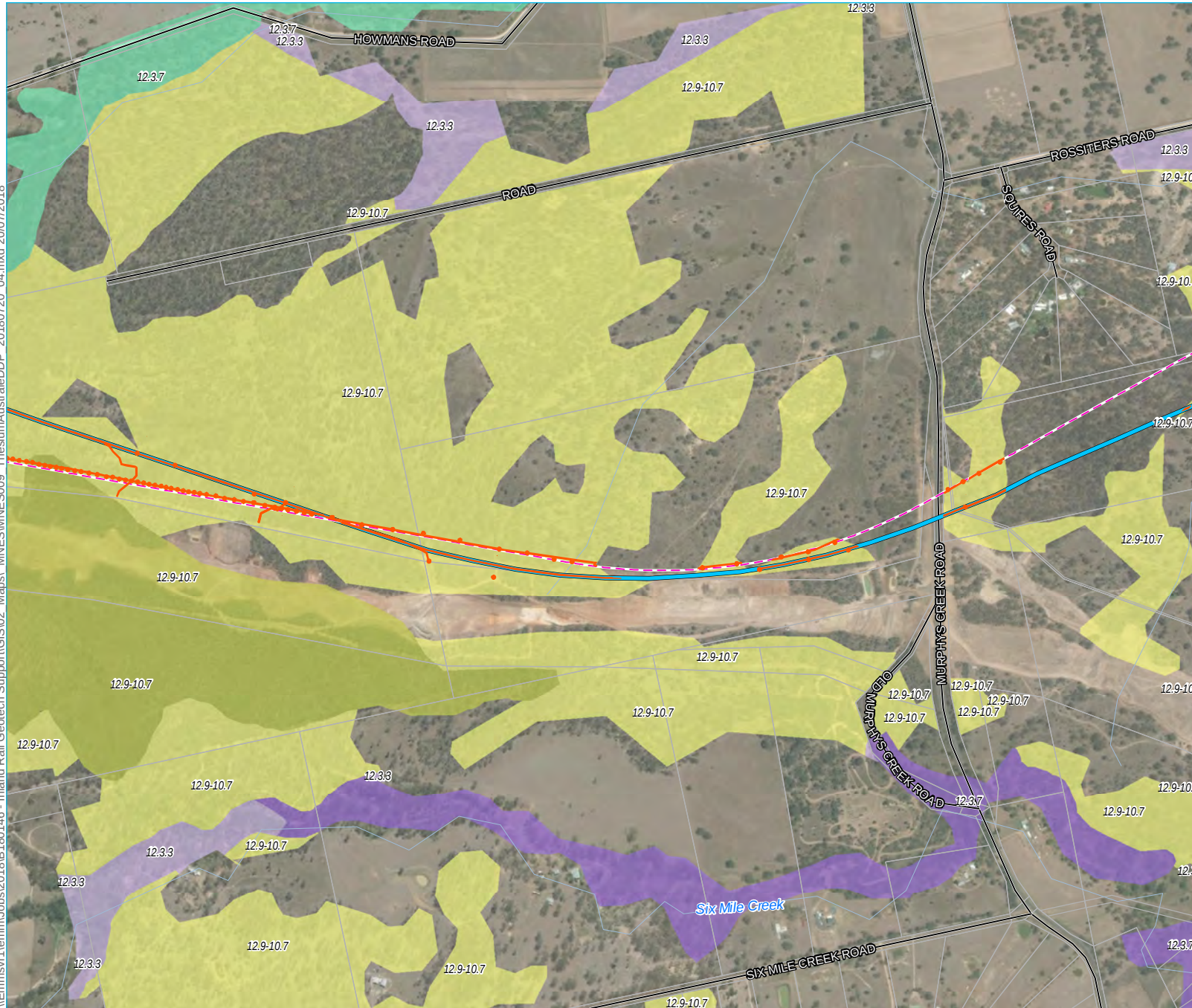
Geotechnical Investigations
Gowrie to Kagaru
Map 6 of 9



Source: EMM (2018); ARTC (2018); ALA (2018); QSpatial (2018); GA (2015)



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KEY

- Gowrie to Helidon (G2H) baseline alignment
- - - Option 3216 alignment
- Road/track
- Watercourse/drainage line
- Cadastral boundary
- Austral Toadflax (*Thesium australe*) record (ALA, 2018)
- Austral Toadflax (*Thesium australe*) potential habitat (by VM status, labelled dominant)
 - Endangered (remnant)
 - Endangered (regrowth)
 - Of concern (remnant)
 - Of concern (regrowth)
 - Least concern (remnant)
- Impact area in potential Austral Toadflax (*Thesium australe*) habitat
 - Investigation site
 - Access track

MNES Potential Habitats - Austral Toadflax (*Thesium australe*)

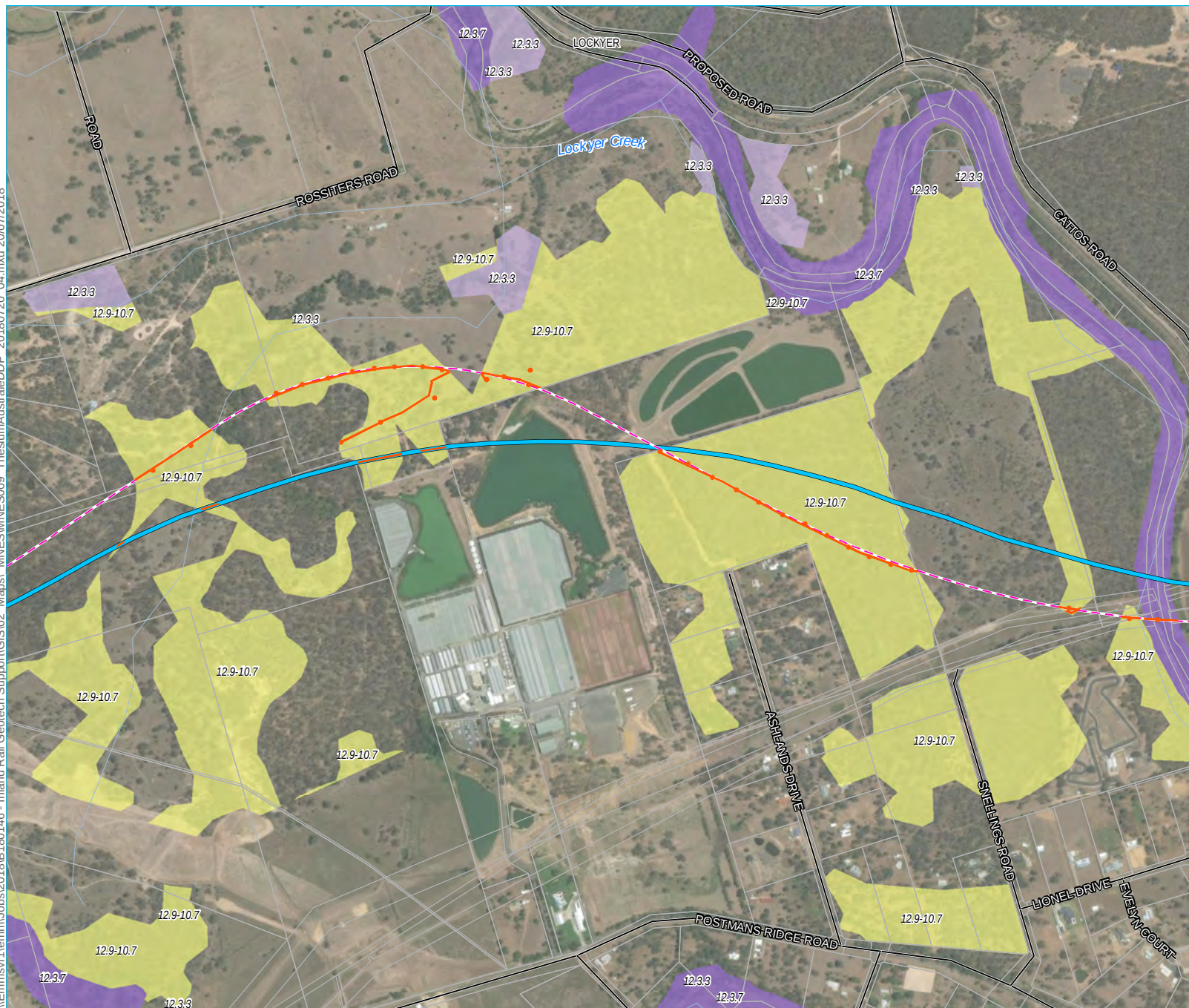
Geotechnical Investigations
Gowrie to Kagaru
Map 7 of 9



Source: EMM (2018); ARTC (2018); ALA (2018); QSpatial (2018); GA (2015)

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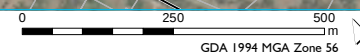
- Gowrie to Helidon (G2H) baseline alignment
- Option 3216 alignment
- Road/track
- Watercourse/drainage line
- Cadastral boundary
- Austral Toadflax (*Thesium australe*) record (ALA, 2018)
- Austral Toadflax (*Thesium australe*) potential habitat (by VM status, labelled dominant)
 - Endangered (remnant)
 - Endangered (regrowth)
 - Of concern (remnant)
 - Of concern (regrowth)
- Impact area in potential Austral Toadflax (*Thesium australe*) habitat
 - Investigation site
 - Access track

MNES Potential Habitats - Austral Toadflax (*Thesium australe*)

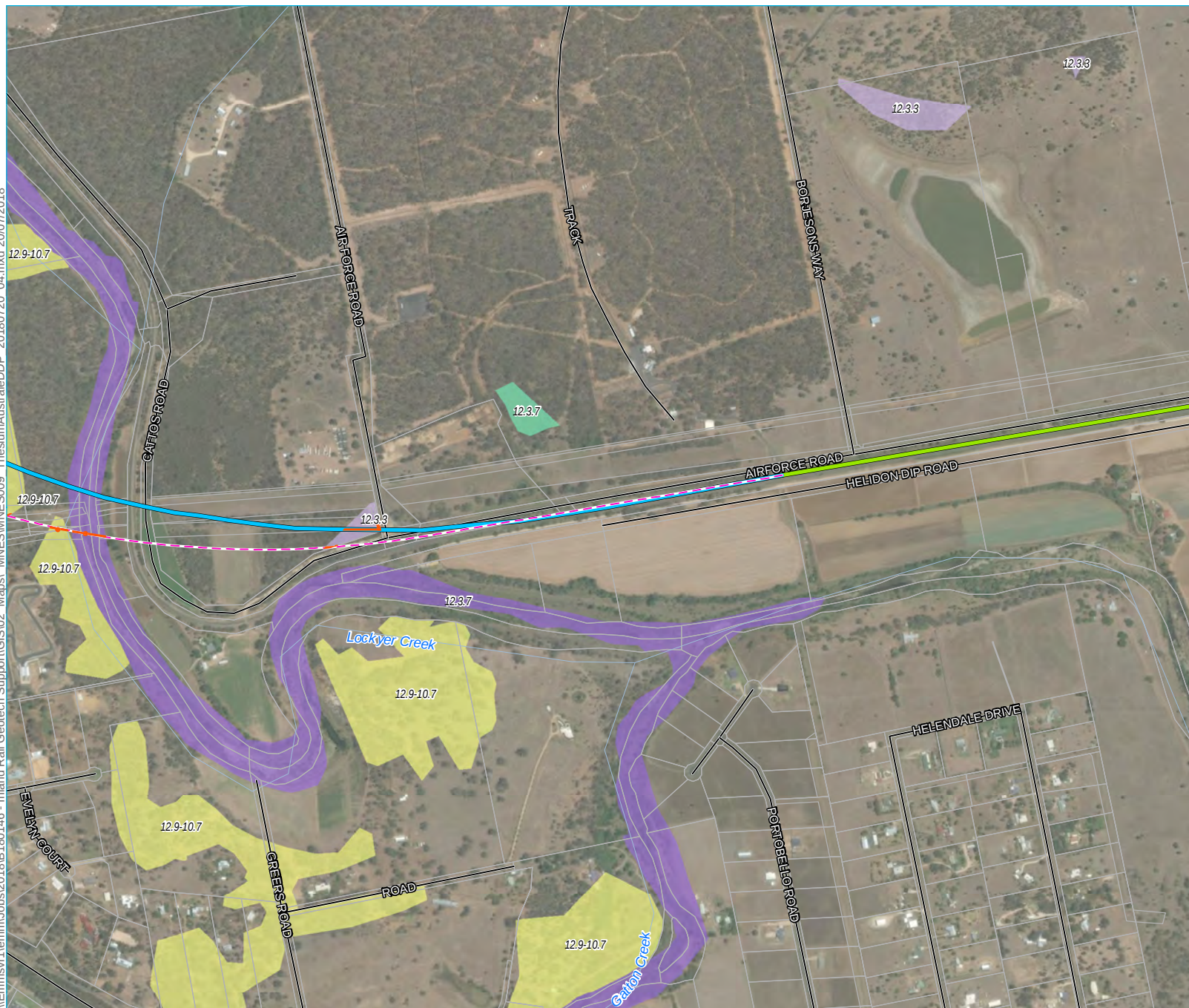
Geotechnical Investigations
Gowrie to Kagaru
Map 8 of 9



Source: EMM (2018); ARTC (2018); ALA (2018); QSpatial (2018); GA (2015)



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KEY

- Gowrie to Helidon (G2H) baseline alignment
- Option 3216 alignment
- Helidon to Calvert (H2C) alignment
- Road/track
- Watercourse/drainage line
- Cadastral boundary
- Austral Toadflax (*Thesium australe*) record (ALA, 2018)
- Austral Toadflax (*Thesium australe*) potential habitat (by VM status, labelled dominant)
 - Endangered (remnant)
 - Endangered (regrowth)
 - Of concern (regrowth)
 - Least concern (remnant)
- Impact area in potential Austral Toadflax (*Thesium australe*) habitat
 - Investigation site
 - Access track

MNES Potential Habitats -
Austral Toadflax (*Thesium australe*)

Geotechnical Investigations
Gowrie to Kagaru
Map 9 of 9



Source: EMM (2018); ARTC (2018); ALA (2018); QSpatial (2018); GA (2015)

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GDA 1994 MGA Zone 56