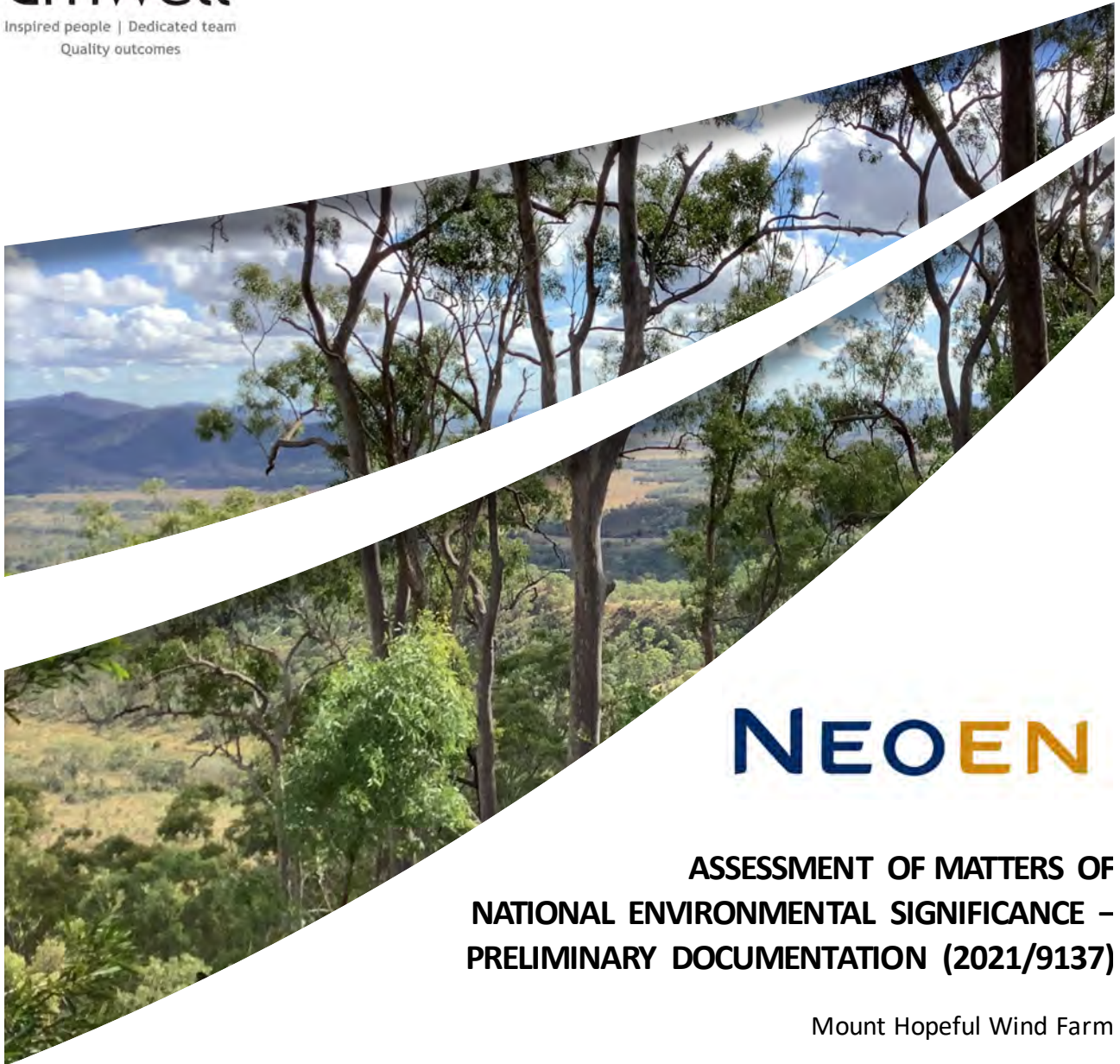




NEOEN

**ASSESSMENT OF MATTERS OF
NATIONAL ENVIRONMENTAL SIGNIFICANCE –
PRELIMINARY DOCUMENTATION (2021/9137)**

Mount Hopeful Wind Farm

FINAL – ATTACHMENT B3

November 2023



ASSESSMENT OF MATTERS OF NATIONAL ENVIRONMENTAL SIGNIFICANCE – PRELIMINARY DOCUMENTATION (2021/9137)

Mount Hopeful Wind Farm

FINAL – ATTACHMENT B3

Prepared by
Umwelt (Australia) Pty Limited
on behalf of
Neoen Australia Pty Ltd

Report No. 22753 / R03
Date: November 2023



QMS Certification Services

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Legend

- Squatter Pigeon (Southern) Record (ALA)
- △ Squatter Pigeon (Southern) Record (Umwelt)
- Suitable Watercourses
- Disturbance Footprint
- Study Area
- Reservoirs (DoR)
- Squatter Pigeon (Southern) Habitat**
 - Breeding
 - Dispersal
 - Foraging

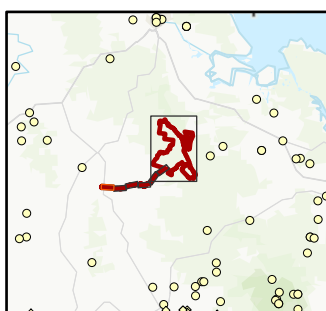


FIGURE 7.13A

**SQUATTER PIGEON (SOUTHERN)
HABITAT**



Legend

- Squatter Pigeon (Southern) Record (ALA)
- ▲ Squatter Pigeon (Southern) Record (Umwelt)
- Suitable Watercourses
- Disturbance Footprint
- Study Area
- Reservoirs (DoR)
- Squatter Pigeon (Southern) Habitat**
 - Breeding
 - Dispersal
 - Foraging

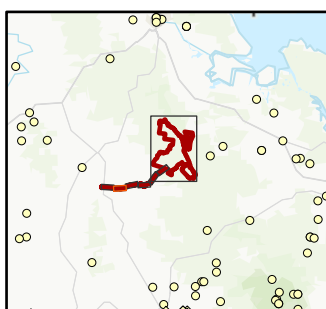


FIGURE 7.13B

**SQUATTER PIGEON (SOUTHERN)
HABITAT**



C:\USER\STV\UMF\CON\UMWELT\AUSTRALIA\PTV\12022703_03_BIAV02_PROJECT\2703_R03_EINCIP\DATA\ASSESSMENT_2024\PRK_2703_R03_0713_SQUATTERPIGEON\HABITAT

1:22,500
Scale at A4

0 0.5 1 Kilometres

GDA 1994 MGA Zone 56

Legend

- Squatter Pigeon (Southern) Record (ALA)
- △ Squatter Pigeon (Southern) Record (Umwelt)
- Suitable Watercourses
- ▭ Disturbance Footprint
- ▭ Study Area
- ▭ Reservoirs (DoR)

Squatter Pigeon (Southern) Habitat

- Breeding
- Dispersal
- Foraging

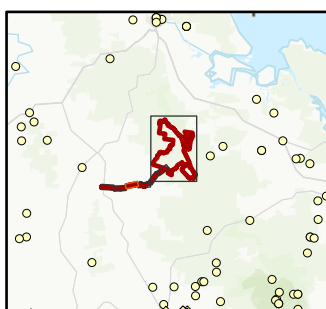
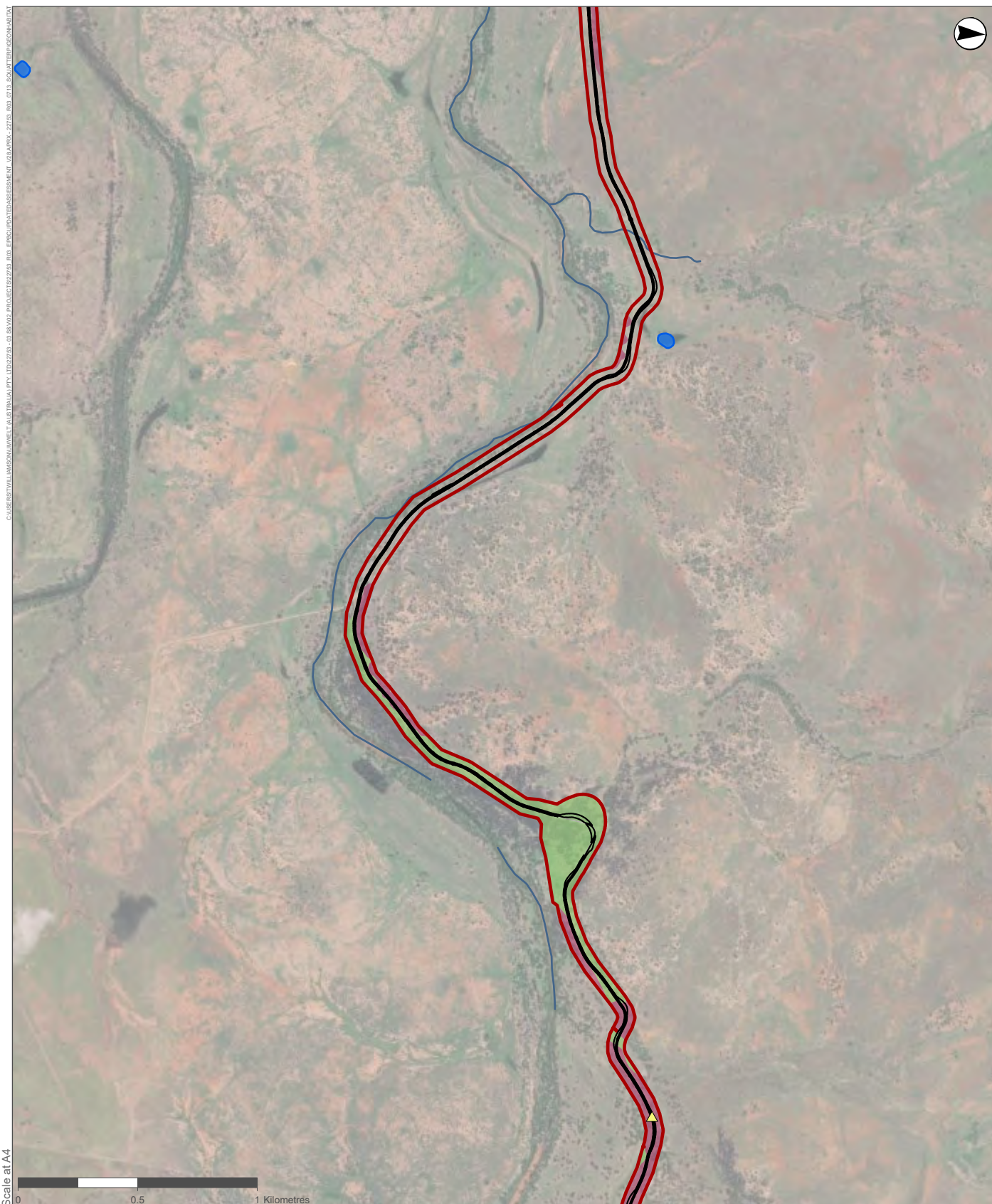


FIGURE 7.13C

**SQUATTER PIGEON (SOUTHERN)
HABITAT**



Legend

- Squatter Pigeon (Southern) Record (ALA)
- ▲ Squatter Pigeon (Southern) Record (Umwelt)
- Suitable Watercourses
- ▭ Disturbance Footprint
- ▭ Study Area
- Reservoirs (DoR)
- Squatter Pigeon (Southern) Habitat**
 - Breeding
 - Dispersal
 - Foraging

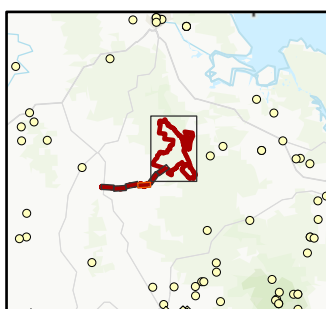
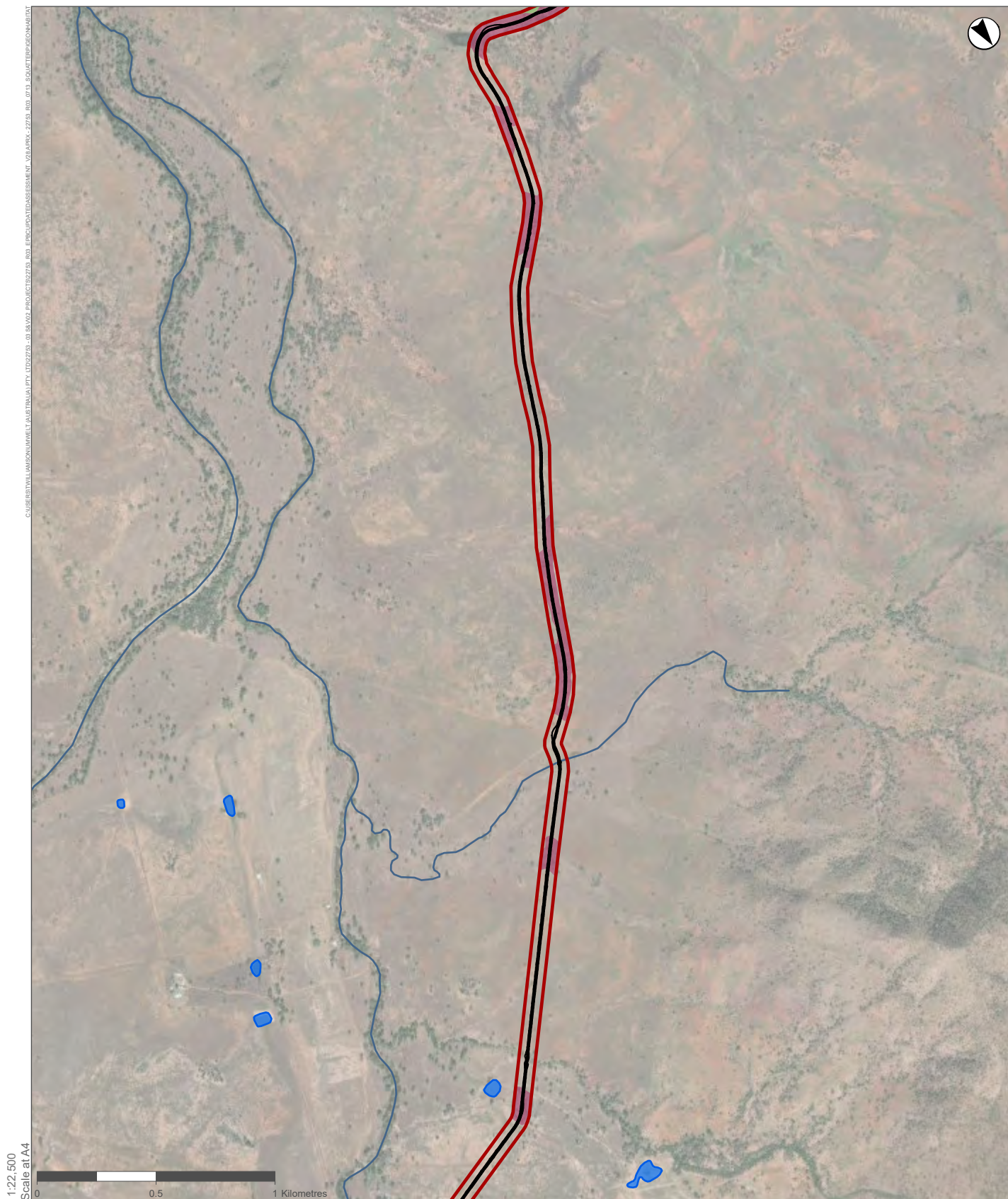


FIGURE 7.13D

**SQUATTER PIGEON (SOUTHERN)
HABITAT**



GDA 1994 MGA Zone 56

Legend

- Squatter Pigeon (Southern) Record (ALA)
- △ Squatter Pigeon (Southern) Record (Umwelt)
- Suitable Watercourses
- Disturbance Footprint
- Study Area
- Reservoirs (DoR)

Squatter Pigeon (Southern) Habitat

- Breeding
- Dispersal
- Foraging

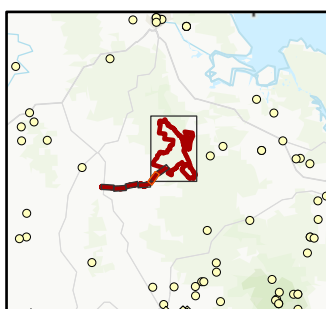
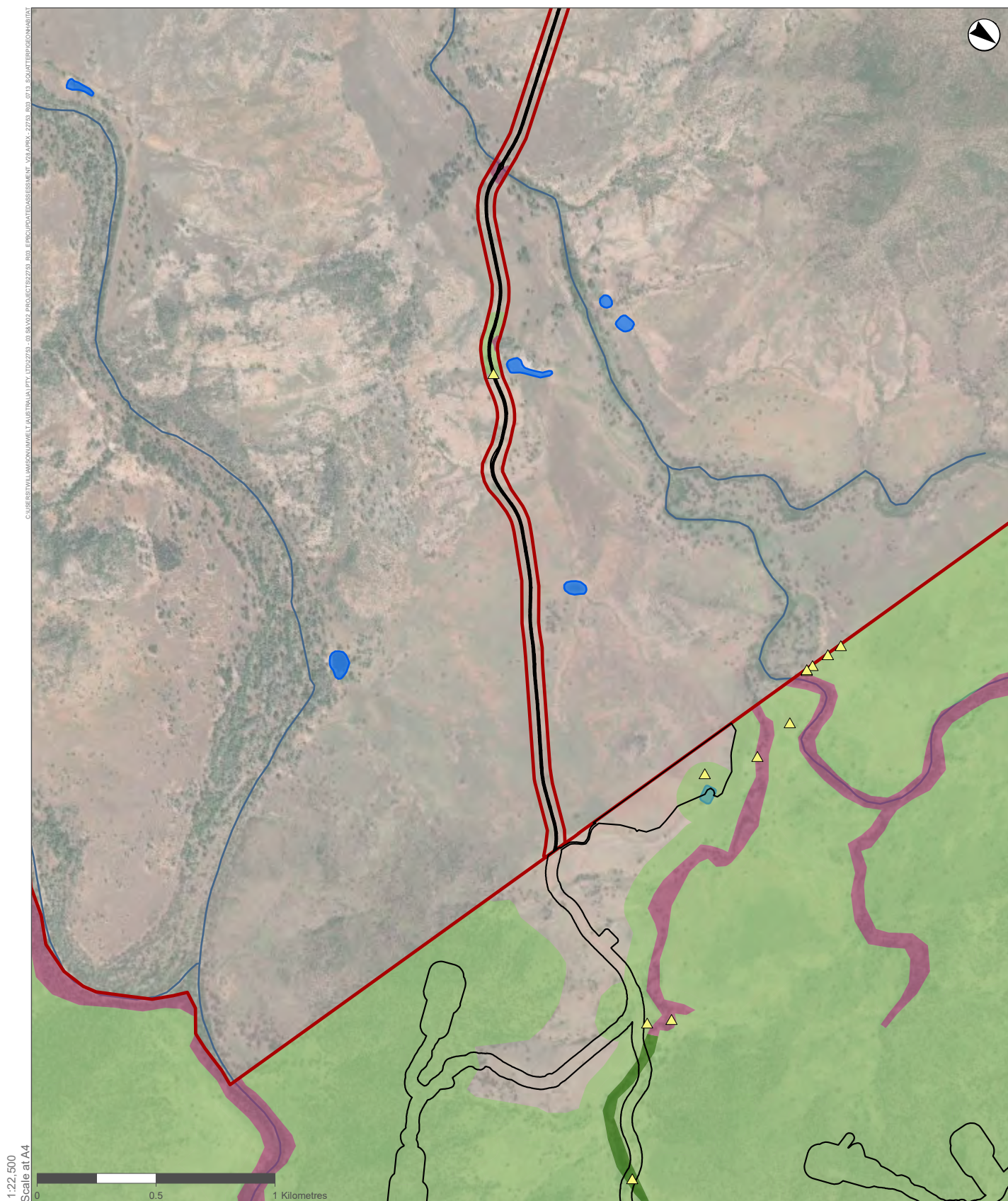


FIGURE 7.13E

**SQUATTER PIGEON (SOUTHERN)
HABITAT**



Legend

- Squatter Pigeon (Southern) Record (ALA)
- △ Squatter Pigeon (Southern) Record (Umwelt)
- Suitable Watercourses
- Disturbance Footprint
- Study Area
- Reservoirs (DoR)
- Squatter Pigeon (Southern) Habitat**
 - Breeding
 - Dispersal
 - Foraging

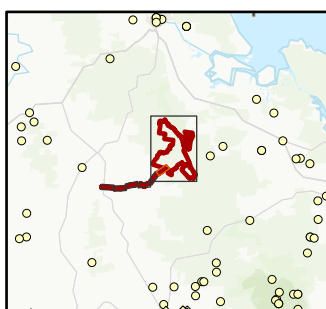
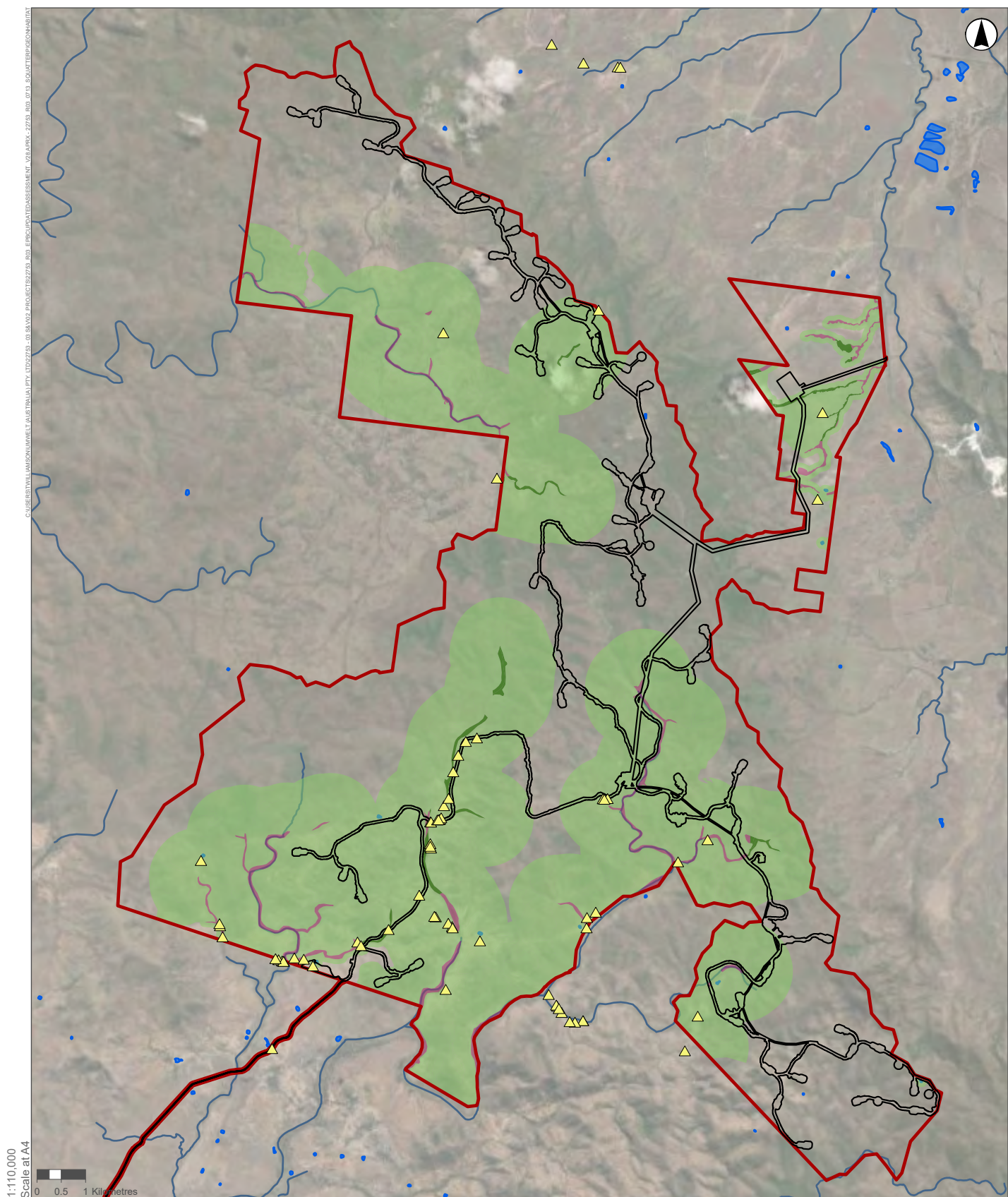


FIGURE 7.13F

**SQUATTER PIGEON (SOUTHERN)
HABITAT**



Legend

- Squatter Pigeon (Southern) Record (ALA)
- △ Squatter Pigeon (Southern) Record (Umwelt)
- Suitable Watercourses
- Disturbance Footprint
- Study Area
- Reservoirs (DoR)
- Squatter Pigeon (Southern) Habitat**
 - Breeding
 - Dispersal
 - Foraging

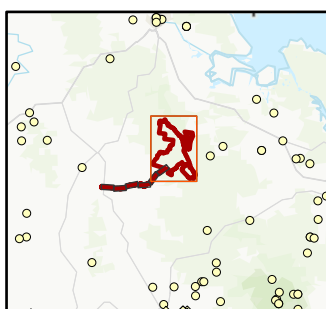


FIGURE 7.13G

**SQUATTER PIGEON (SOUTHERN)
HABITAT**



Legend

- Disturbance Footprint
- Study Area

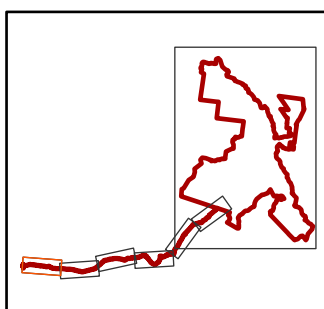


FIGURE 7.14A
YELLOW-BELLIED GLIDER
(SOUTH-EASTERN) HABITAT



Legend

- Disturbance Footprint
- Study Area
- Potential Yellow-bellied Glider Habitat**
- Foraging and dispersal

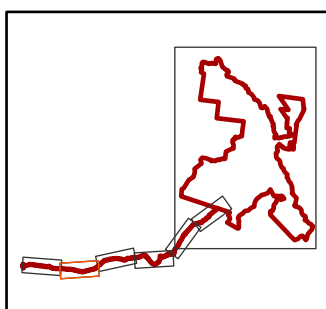


FIGURE 7.14B

**YELLOW-BELLIED GLIDER
(SOUTH-EASTERN) HABITAT**



Legend

- Disturbance Footprint
- Study Area
- Potential Yellow-bellied Glider Habitat**
- Foraging and dispersal

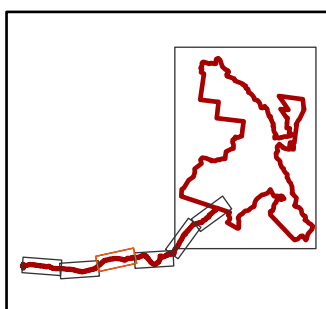


FIGURE 7.14C

**YELLOW-BELLIED GLIDER
(SOUTH-EASTERN) HABITAT**



Legend

- Disturbance Footprint
- Study Area
- Potential Yellow-bellied Glider Habitat**
 - Breeding and denning
 - Foraging and dispersal

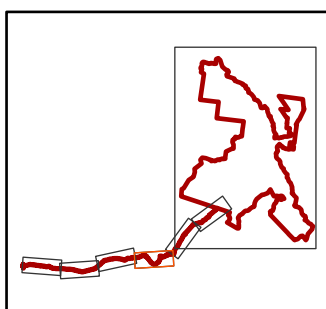


FIGURE 7.14D

**YELLOW-BELLIED GLIDER
(SOUTH-EASTERN) HABITAT**



Legend

- Disturbance Footprint
- Study Area

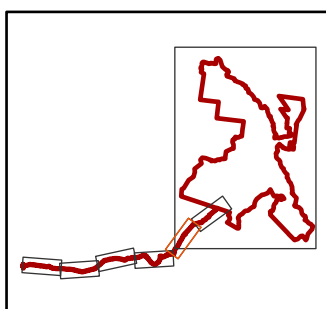
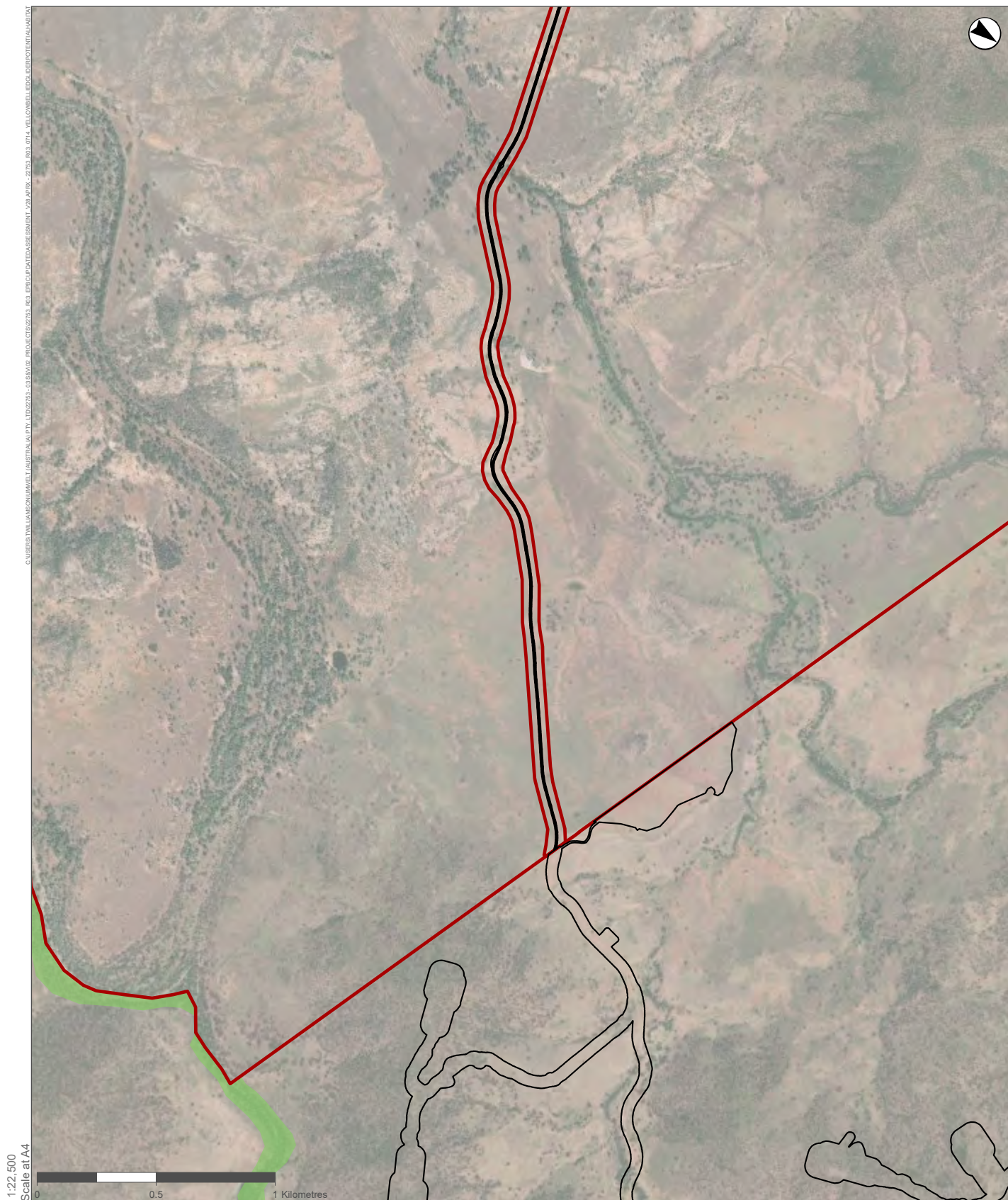


FIGURE 7.14E

**YELLOW-BELLIED GLIDER
(SOUTH-EASTERN) HABITAT**



Legend

- Disturbance Footprint
- Study Area
- Potential Yellow-bellied Glider Habitat**
- Breeding and denning

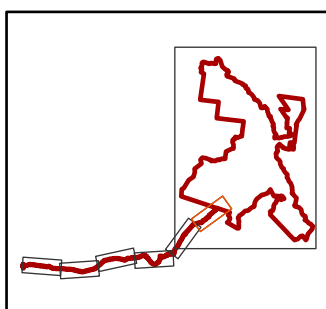
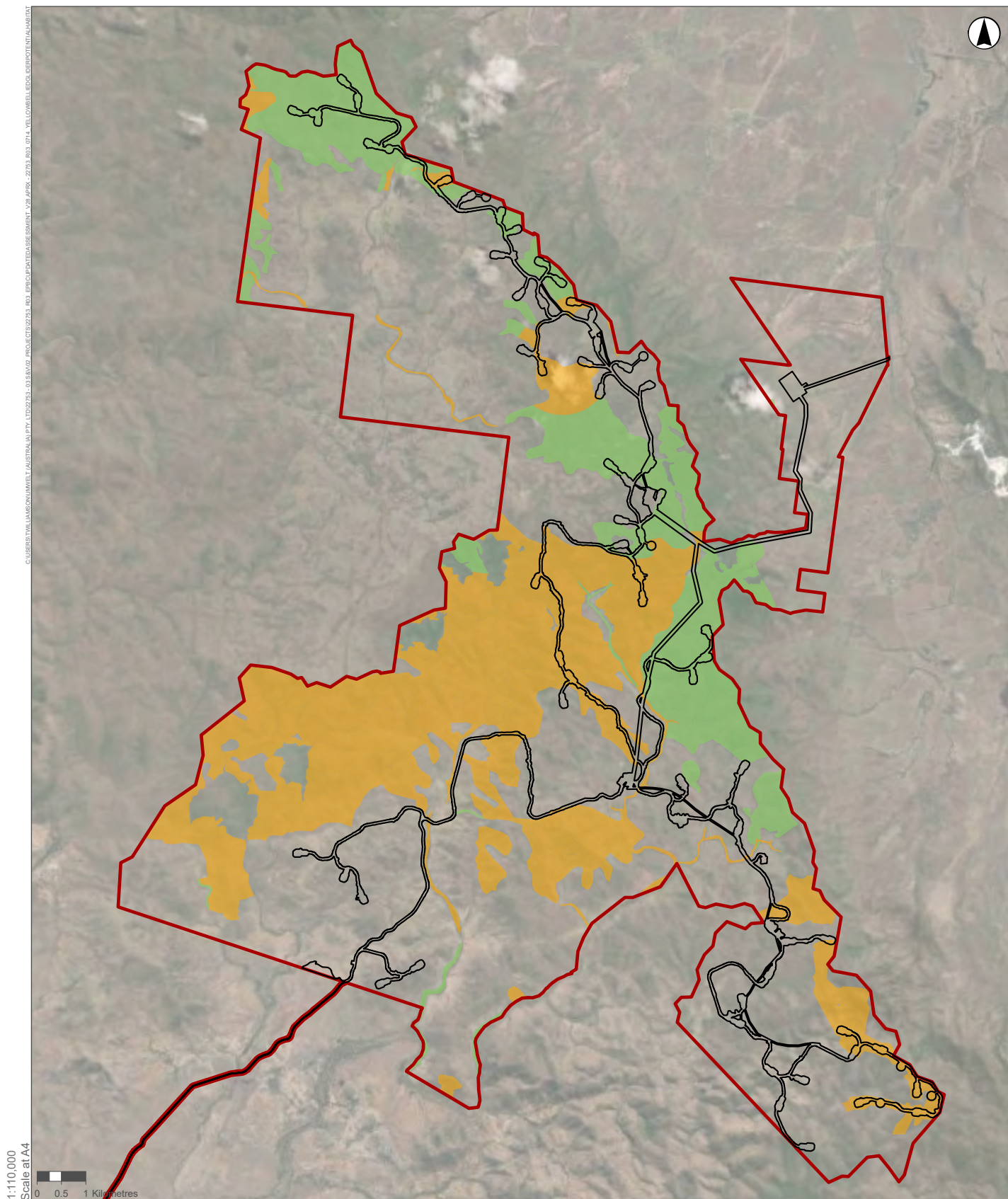


FIGURE 7.14F

**YELLOW-BELLIED GLIDER
(SOUTH-EASTERN) HABITAT**



Legend

- Disturbance Footprint
- Study Area
- Potential Yellow-bellied Glider Habitat**
 - Breeding and denning
 - Foraging and dispersal

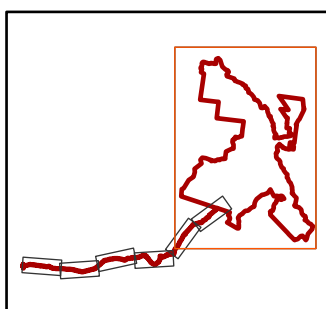


FIGURE 7.14G

**YELLOW-BELLIED GLIDER
(SOUTH-EASTERN) HABITAT**



Legend

- Fork-tailed Swift Record (ALA)
- Disturbance Footprint
- Study Area
- Potential Fork-tailed Swift Habitat
- Foraging and dispersal (exclusively aerial species) (Important Habitat)

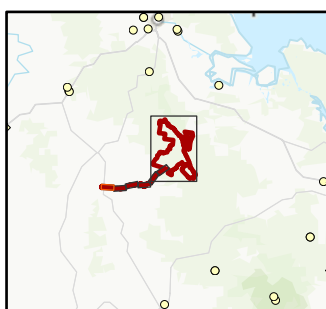


FIGURE 7.15A

FORK-TAILED SWIFT POTENTIAL HABITAT



Legend

- Fork-tailed Swift Record (ALA)
- Disturbance Footprint
- Study Area
- Potential Fork-tailed Swift Habitat
- Foraging and dispersal (exclusively aerial species) (Important Habitat)

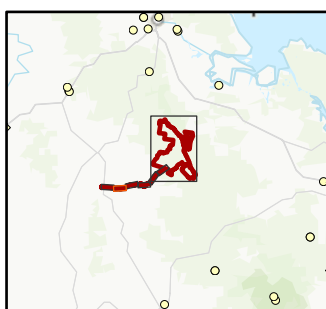


FIGURE 7.15B
FORK-TAILED SWIFT POTENTIAL HABITAT



Legend

- Fork-tailed Swift Record (ALA)
- Disturbance Footprint
- Study Area
- Potential Fork-tailed Swift Habitat
- Foraging and dispersal (exclusively aerial species) (Important Habitat)

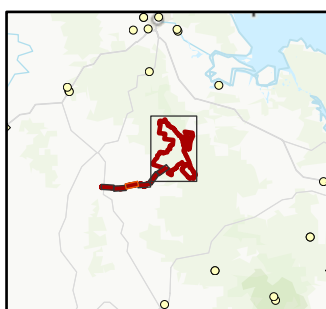
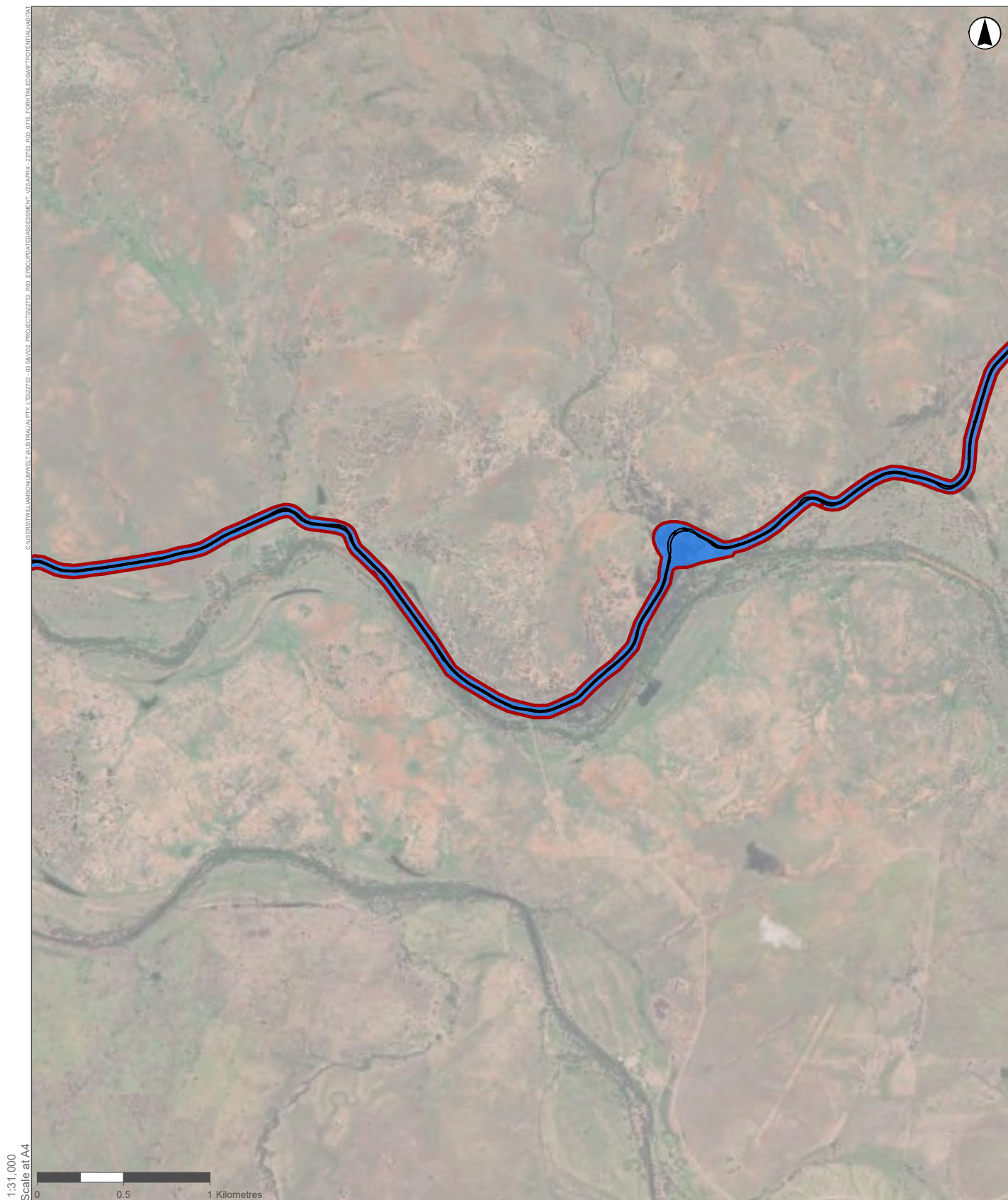


FIGURE 7.15C
FORK-TAILED SWIFT POTENTIAL
HABITAT



Legend

- Fork-tailed Swift Record (ALA)
- Disturbance Footprint
- Study Area
- Potential Fork-tailed Swift Habitat
- Foraging and dispersal (exclusively aerial species) (Important Habitat)

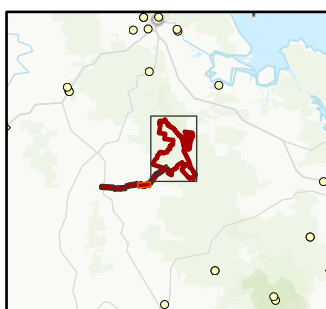


FIGURE 7.15D
FORK-TAILED SWIFT POTENTIAL HABITAT



GDA 1994 MGA Zone 56

Legend

- Fork-tailed Swift Record (ALA)
- Disturbance Footprint
- Study Area
- Potential Fork-tailed Swift Habitat
- Foraging and dispersal (exclusively aerial species) (Important Habitat)

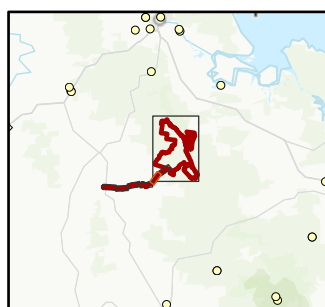
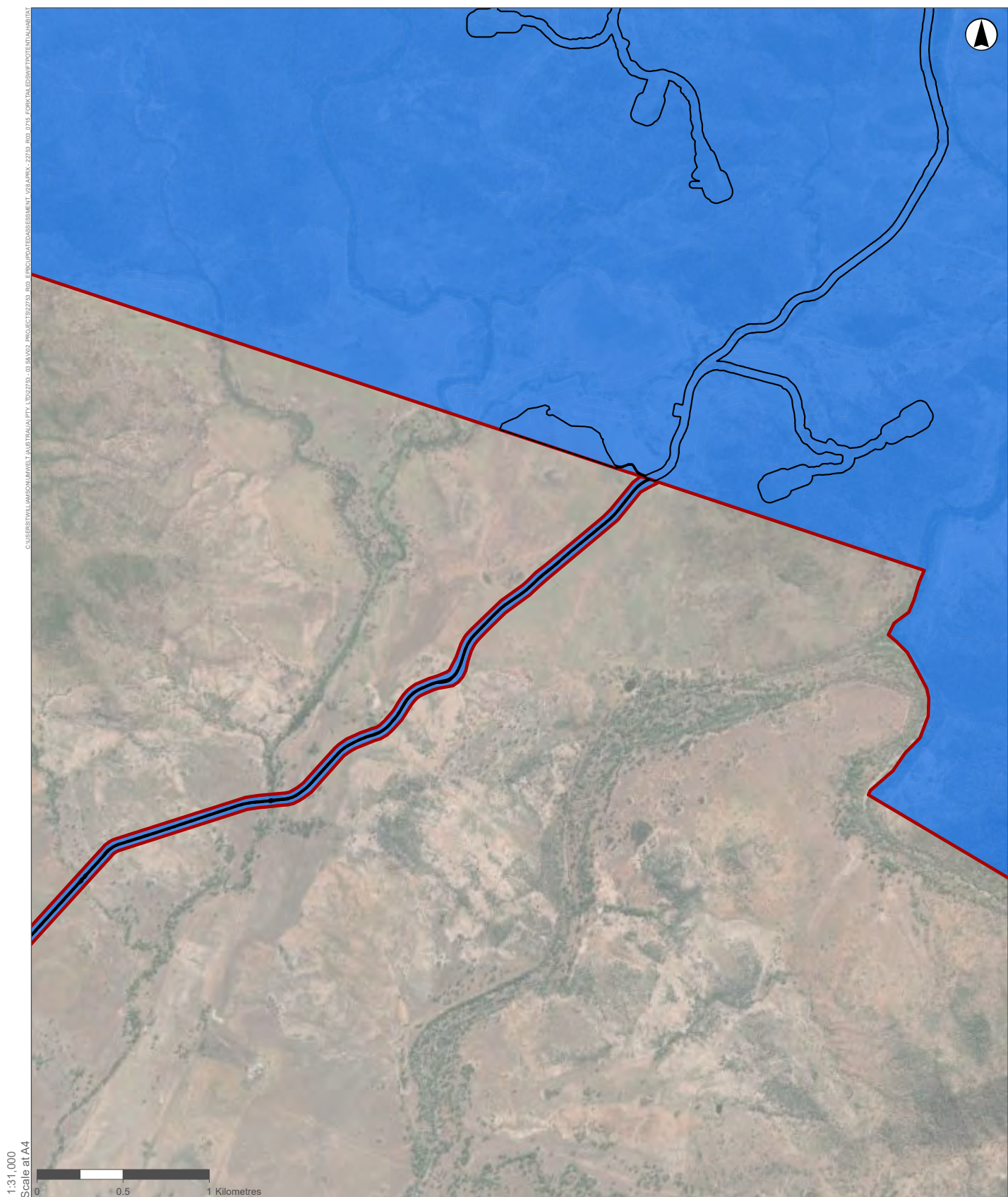


FIGURE 7.15E
FORK-TAILED SWIFT POTENTIAL HABITAT



Legend

- Fork-tailed Swift Record (ALA)
- Disturbance Footprint
- Study Area
- Potential Fork-tailed Swift Habitat
- Foraging and dispersal (exclusively aerial species) (Important Habitat)

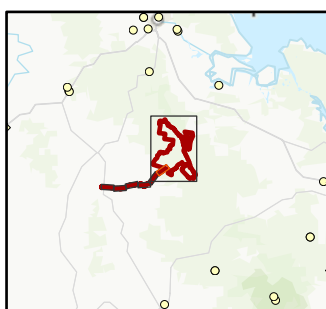
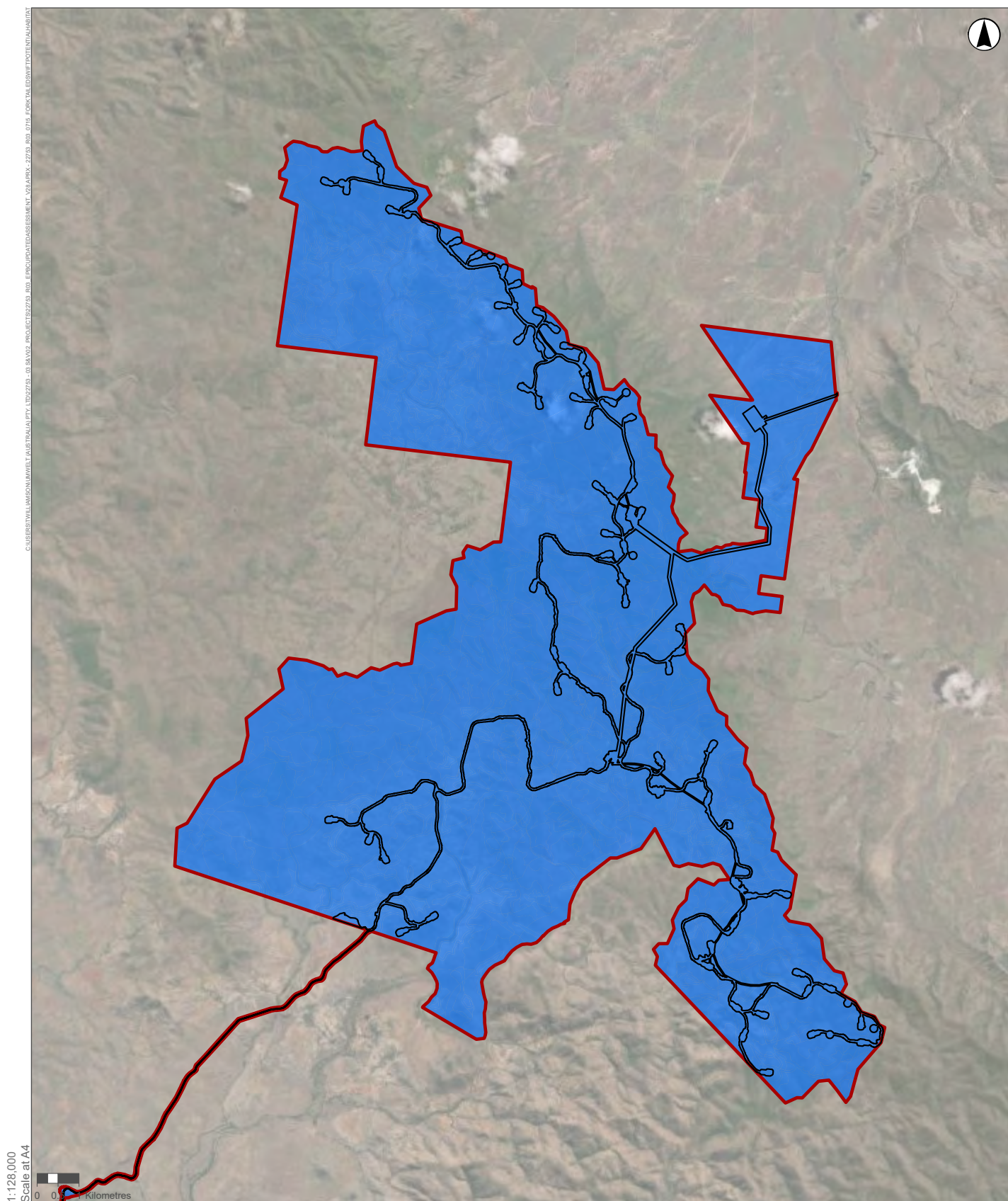


FIGURE 7.15F
FORK-TAILED SWIFT POTENTIAL HABITAT



Legend

- Fork-tailed Swift Record (ALA)
- Disturbance Footprint
- Study Area
- Potential Fork-tailed Swift Habitat
- Foraging and dispersal (exclusively aerial species) (Important Habitat)

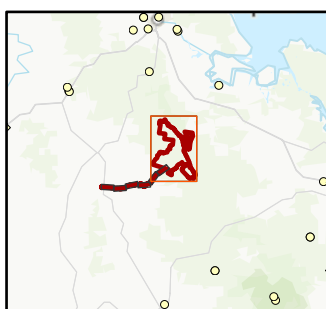


FIGURE 7.15G
FORK-TAILED SWIFT POTENTIAL HABITAT



Legend

- Oriental Cuckoo Record (ALA)
- Disturbance Footprint
- Study Area
- Potential Oriental Cuckoo Habitat
- Foraging and dispersal

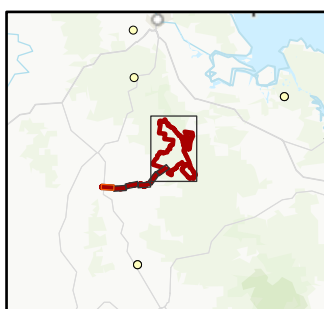


FIGURE 7.16A
ORIENTAL CUCKOO POTENTIAL
HABITAT



Legend

- Oriental Cuckoo Record (ALA)
- Disturbance Footprint
- Study Area
- Potential Oriental Cuckoo Habitat
- Foraging and dispersal

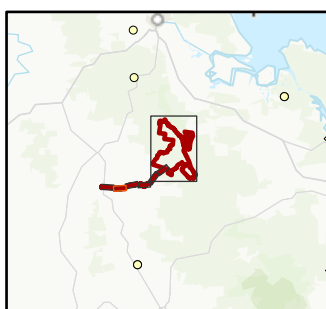


FIGURE 7.16B
ORIENTAL CUCKOO POTENTIAL
HABITAT



Legend

- Oriental Cuckoo Record (ALA)
- Disturbance Footprint
- Study Area
- Potential Oriental Cuckoo Habitat
- Foraging and dispersal

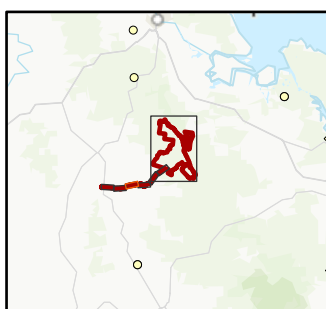


FIGURE 7.16C
ORIENTAL CUCKOO POTENTIAL
HABITAT



GDA 1994 MGA Zone 56

Legend

- Oriental Cuckoo Record (ALA)
- Disturbance Footprint
- Study Area
- Potential Oriental Cuckoo Habitat
- Foraging and dispersal

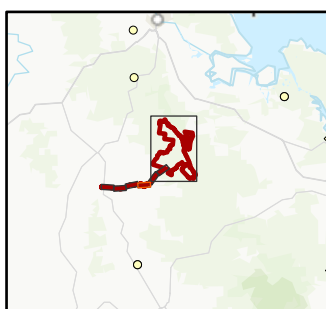
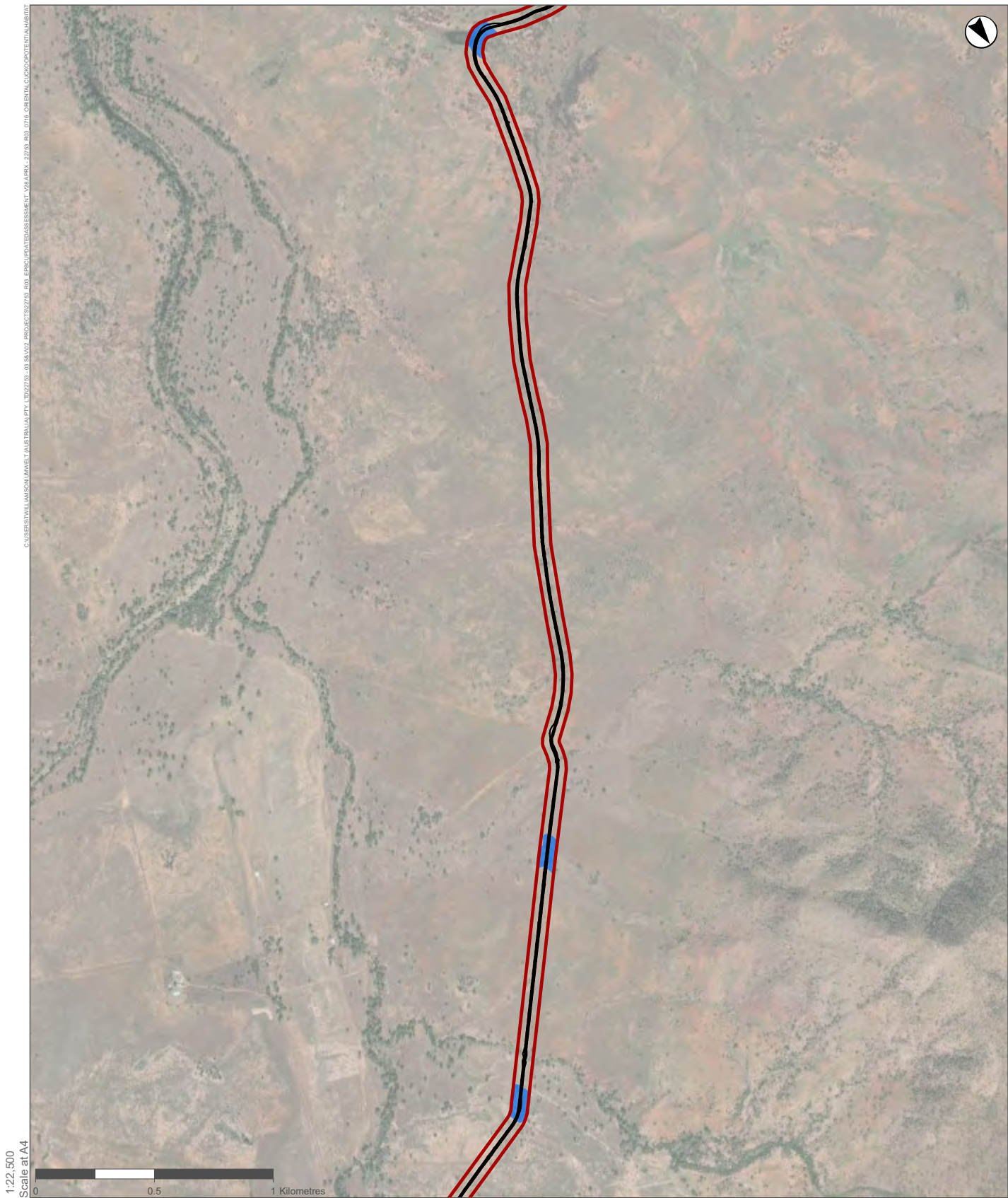


FIGURE 7.16D

ORIENTAL CUCKOO POTENTIAL HABITAT



GDA 1994 MGA Zone 56

Legend

- Oriental Cuckoo Record (ALA)
- ▭ Disturbance Footprint
- ▭ Study Area
- ▭ Potential Oriental Cuckoo Habitat
- ▭ Foraging and dispersal

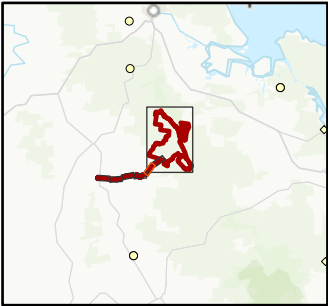


FIGURE 7.16E
ORIENTAL CUCKOO POTENTIAL HABITAT



Legend

- Oriental Cuckoo Record (ALA)
- Disturbance Footprint
- Study Area
- Potential Oriental Cuckoo Habitat**
- Foraging and dispersal

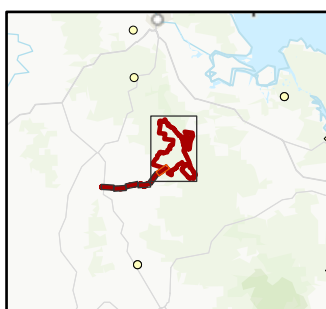
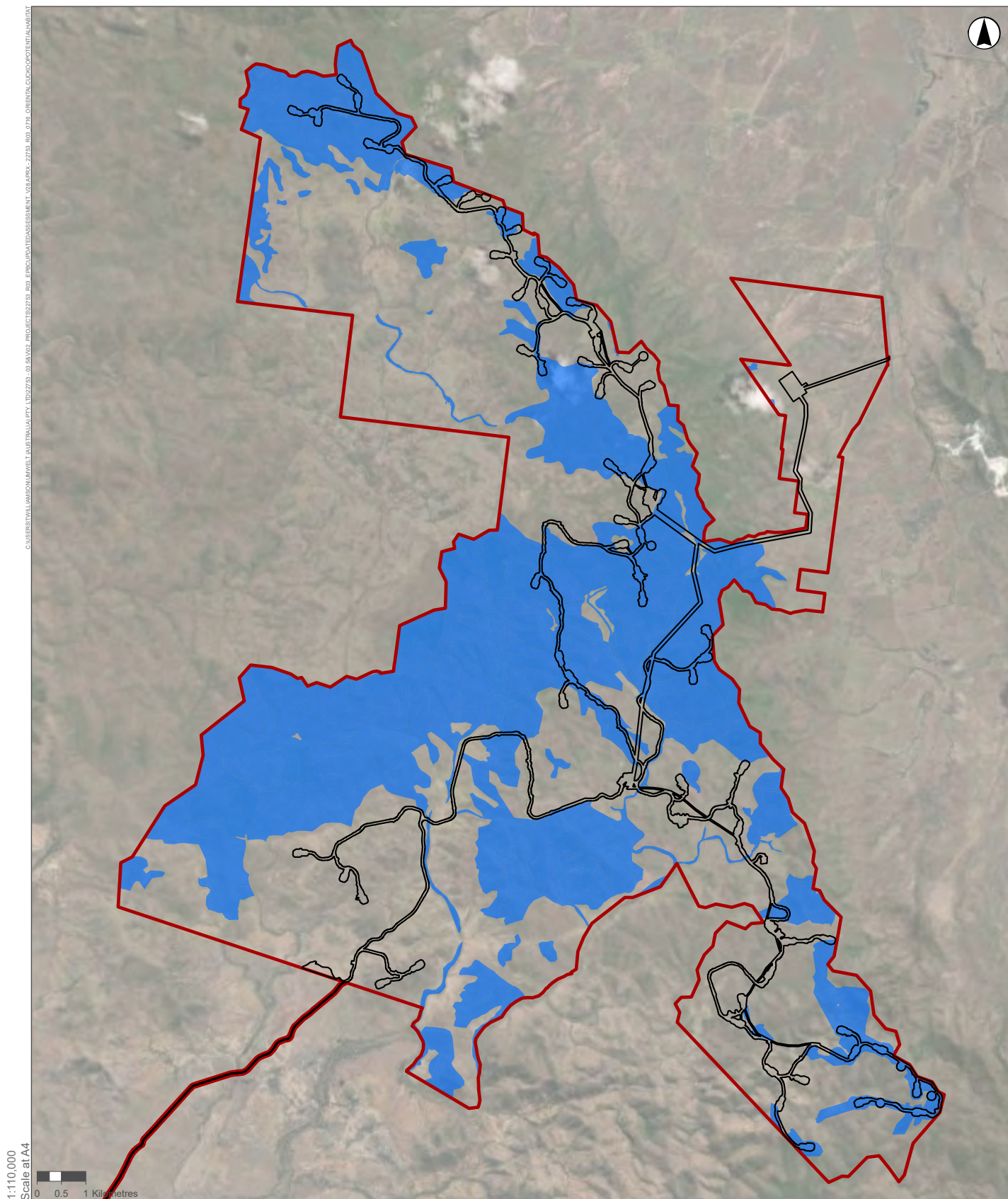


FIGURE 7.16F
ORIENTAL CUCKOO POTENTIAL
HABITAT



Legend

- Oriental Cuckoo Record (ALA)
- ▭ Disturbance Footprint
- ▭ Study Area
- Potential Oriental Cuckoo Habitat**
- Foraging and dispersal

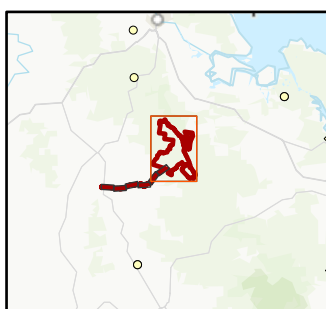


FIGURE 7.16G
ORIENTAL CUCKOO POTENTIAL HABITAT



Legend

- Satin Flycatcher Record (ALA)
- ▭ Disturbance Footprint
- ▭ Study Area
- ▭ Potential Satin Flycatcher Habitat
- ▭ Foraging and dispersal (Important Habitat)

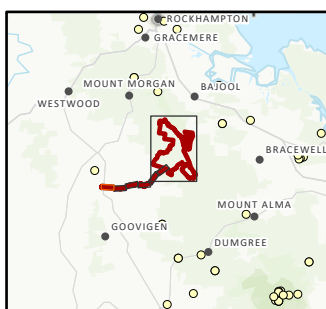


FIGURE 7.17A
SATIN FLYCATCHER POTENTIAL HABITAT



Legend

- Satin Flycatcher Record (ALA)
- Disturbance Footprint
- Study Area
- Potential Satin Flycatcher Habitat
- Foraging and dispersal (Important Habitat)

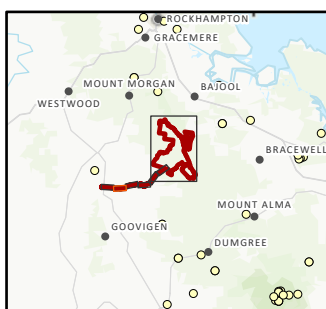
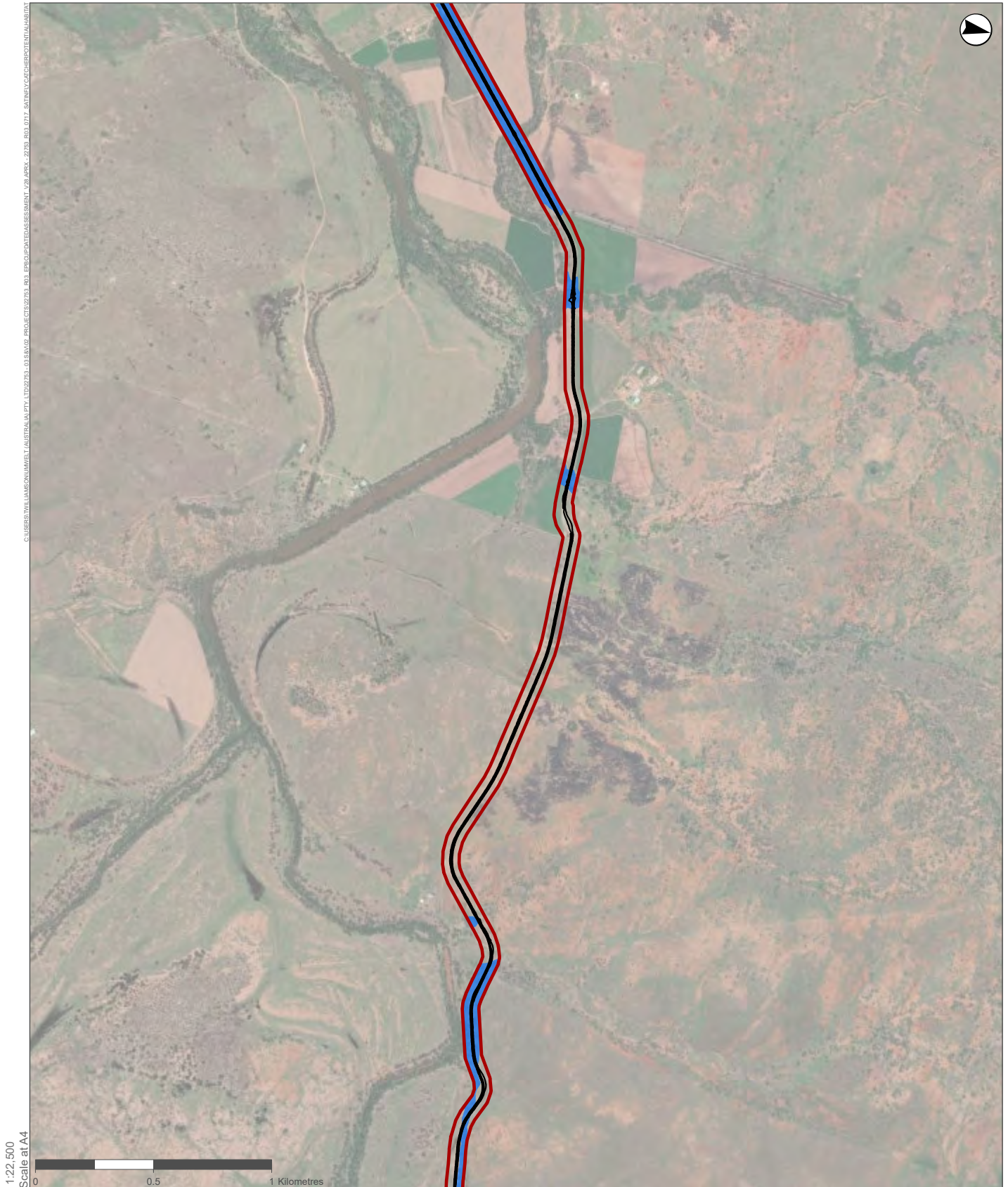


FIGURE 7.17B
SATIN FLYCATCHER POTENTIAL HABITAT



Legend

- Satin Flycatcher Record (ALA)
- ▭ Disturbance Footprint
- ▭ Study Area
- Potential Satin Flycatcher Habitat**
- Foraging and dispersal (Important Habitat)

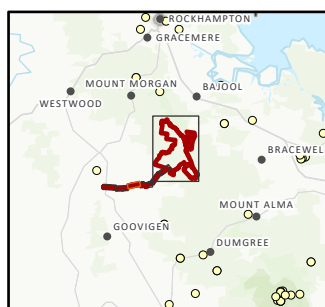


FIGURE 7.17C
SATIN FLYCATCHER POTENTIAL HABITAT



Legend

- Satin Flycatcher Record (ALA)
- Disturbance Footprint
- Study Area
- Potential Satin Flycatcher Habitat
- Foraging and dispersal (Important Habitat)

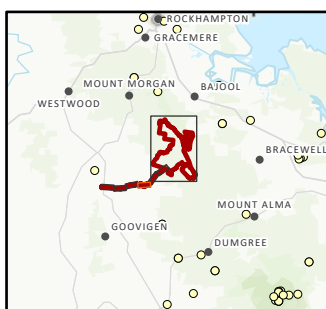
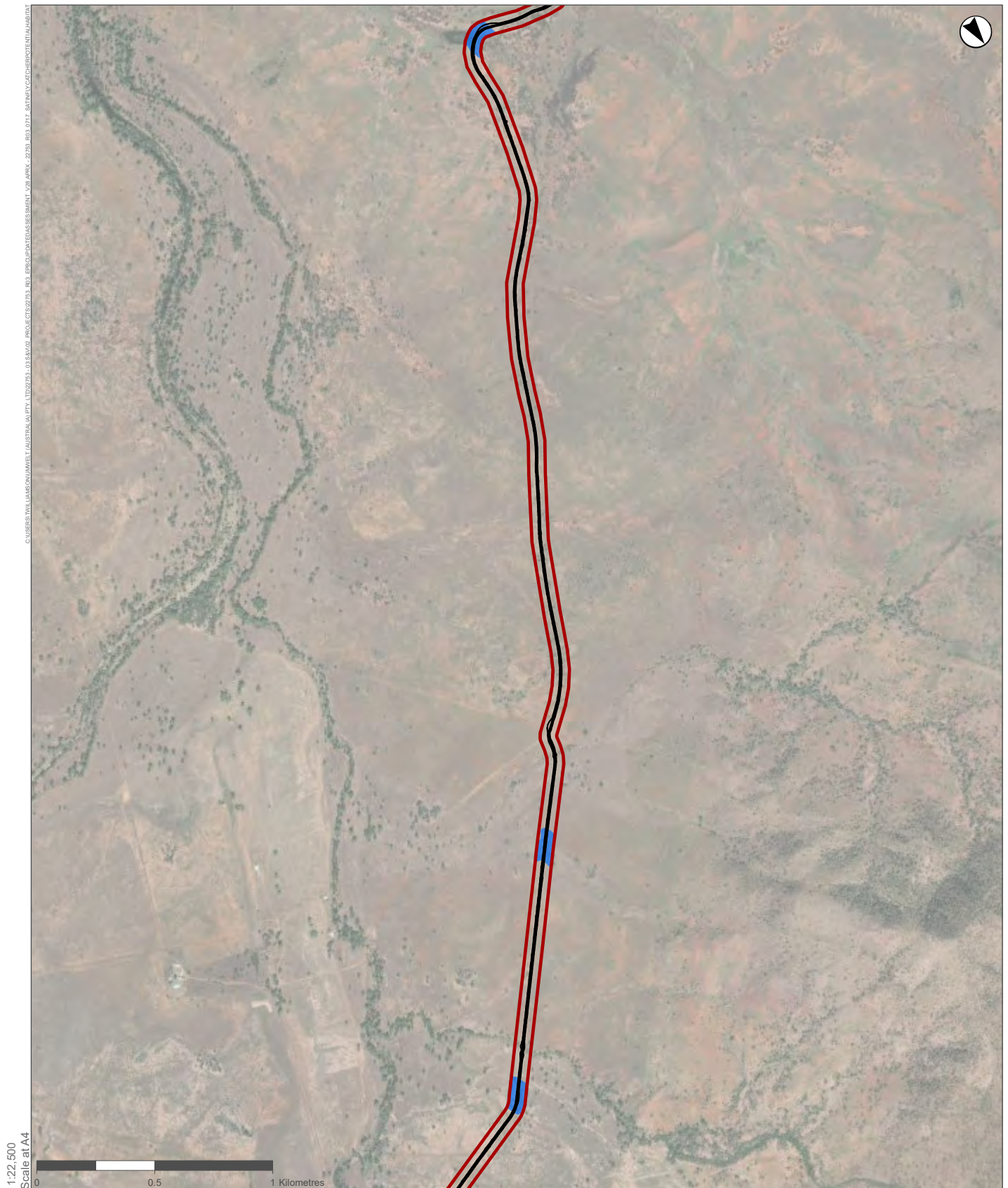


FIGURE 7.17D
SATIN FLYCATCHER POTENTIAL HABITAT



Legend

- Satin Flycatcher Record (ALA)
- ▭ Disturbance Footprint
- ▭ Study Area
- ▭ Potential Satin Flycatcher Habitat
- ▭ Foraging and dispersal (Important Habitat)

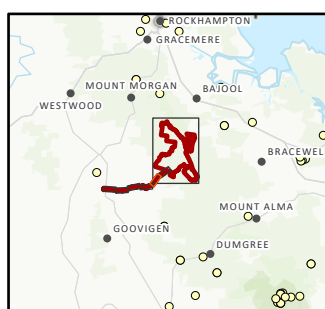


FIGURE 7.17E
SATIN FLYCATCHER POTENTIAL HABITAT



Legend

- Satin Flycatcher Record (ALA)
- ▭ Disturbance Footprint
- ▭ Study Area
- ▭ Potential Satin Flycatcher Habitat
- ▭ Foraging and dispersal (Important Habitat)

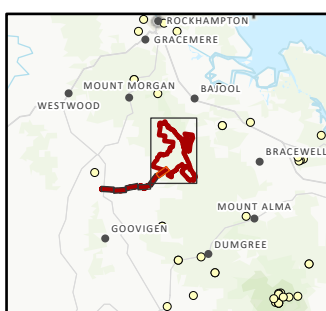
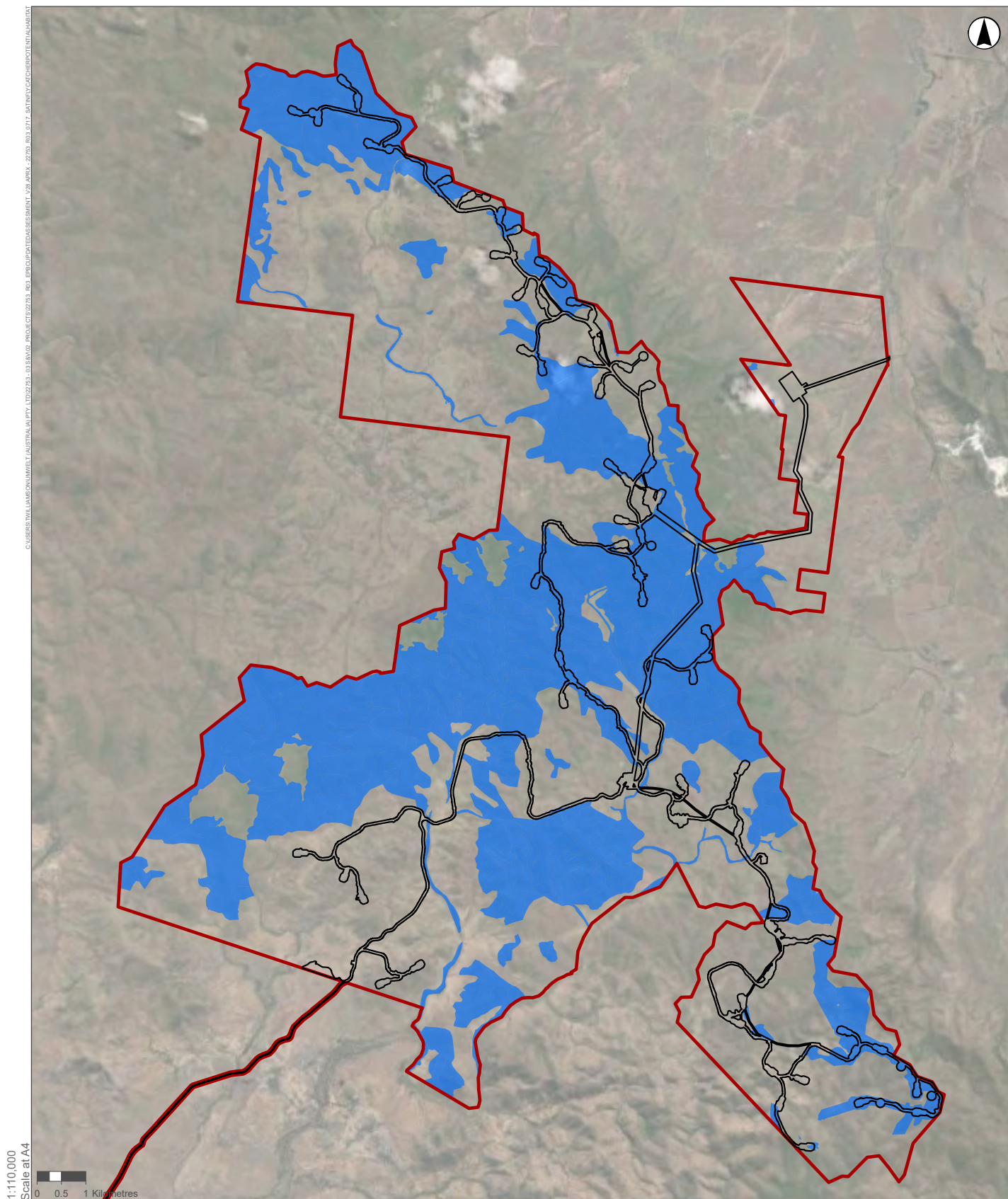


FIGURE 7.17F
SATIN FLYCATCHER POTENTIAL HABITAT



Legend

- Satin Flycatcher Record (ALA)
- Disturbance Footprint
- Study Area
- Potential Satin Flycatcher Habitat
- Foraging and dispersal (Important Habitat)

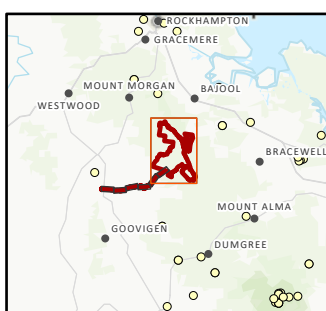


FIGURE 7.17G

SATIN FLYCATCHER POTENTIAL HABITAT



Legend

- ▲ Rufous Fantail Record (Umwelt)
- Rufous Fantail Record (ALA)
- ▭ Disturbance Footprint
- ▭ Study Area
- Rufous Fantail Habitat**
- ▭ Rufous Fantail Habitat

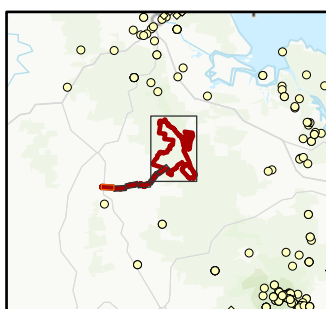


FIGURE 7.18A
RUFIOUS FANTAIL HABITAT



Legend

- ▲ Rufous Fantail Record (Umwelt)
- Rufous Fantail Record (ALA)
- Disturbance Footprint
- Study Area
- Rufous Fantail Habitat**
- Rufous Fantail Habitat

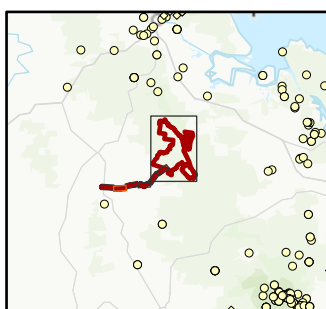


FIGURE 7.18B
RUFIOUS FANTAIL HABITAT



Legend

- ▲ Rufous Fantail Record (Umwelt)
- Rufous Fantail Record (ALA)
- Disturbance Footprint
- Study Area
- Rufous Fantail Habitat**
- Rufous Fantail Habitat

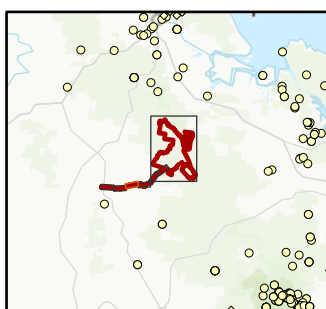
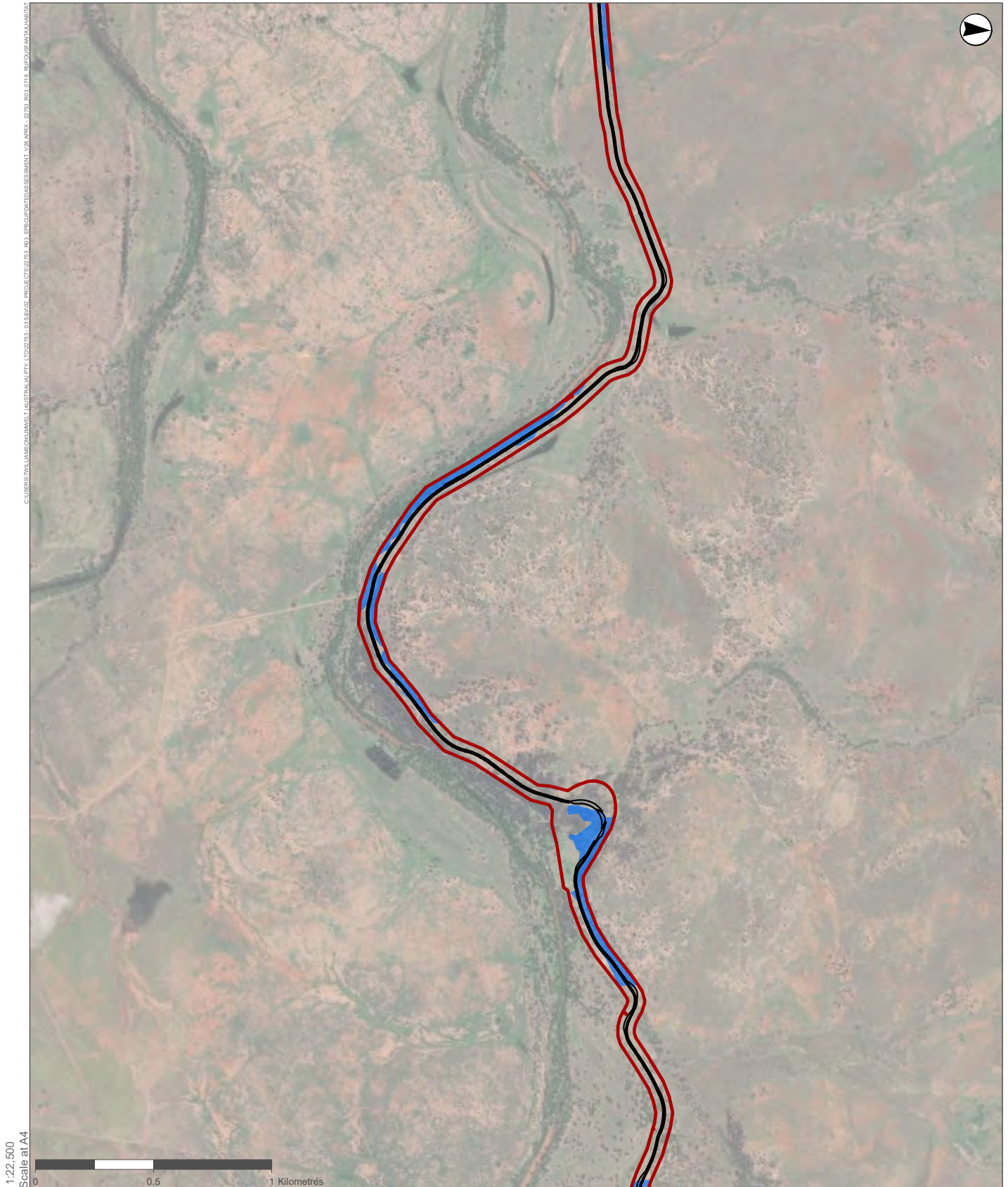


FIGURE 7.18C
RUFIOUS FANTAIL HABITAT



Legend

- ▲ Rufous Fantail Record (Umwelt)
- Rufous Fantail Record (ALA)
- Disturbance Footprint
- Study Area
- Rufous Fantail Habitat**
- Rufous Fantail Habitat

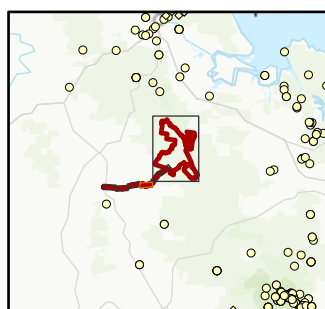
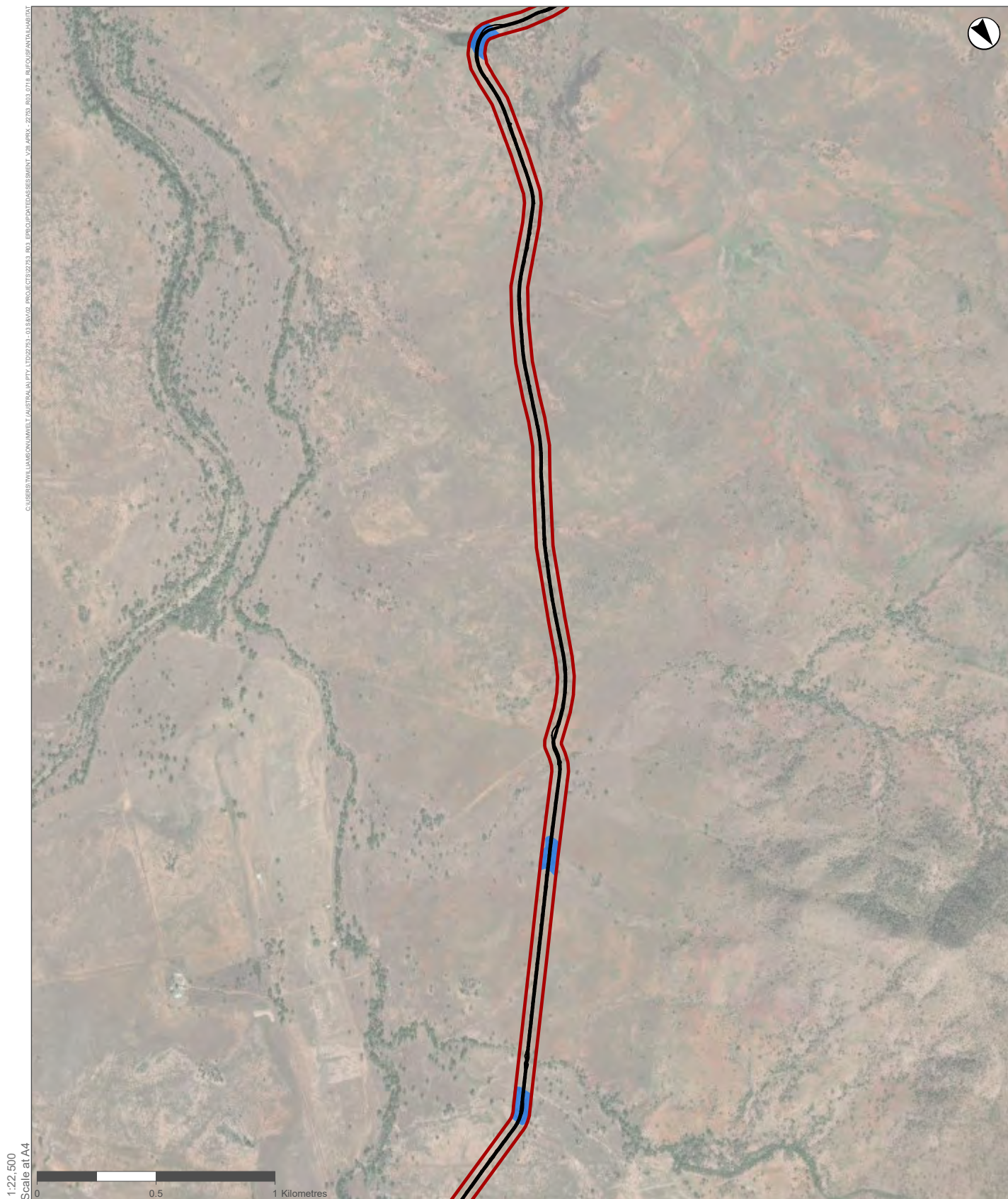


FIGURE 7.18D
RUFIOUS FANTAIL HABITAT



Legend

- ▲ Rufous Fantail Record (Umwelt)
- Rufous Fantail Record (ALA)
- Disturbance Footprint
- Study Area
- Rufous Fantail Habitat**
- Rufous Fantail Habitat

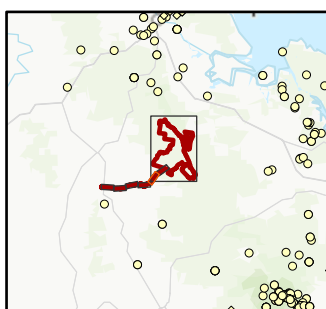


FIGURE 7.18E
RUFIOUS FANTAIL HABITAT



Legend

- ▲ Rufous Fantail Record (Umwelt)
- Rufous Fantail Record (ALA)
- Disturbance Footprint
- Study Area
- Rufous Fantail Habitat**
- Rufous Fantail Habitat

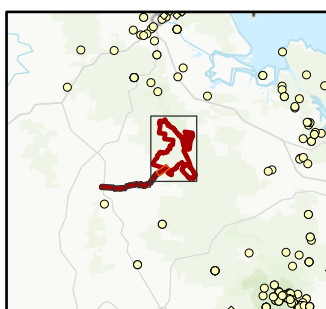
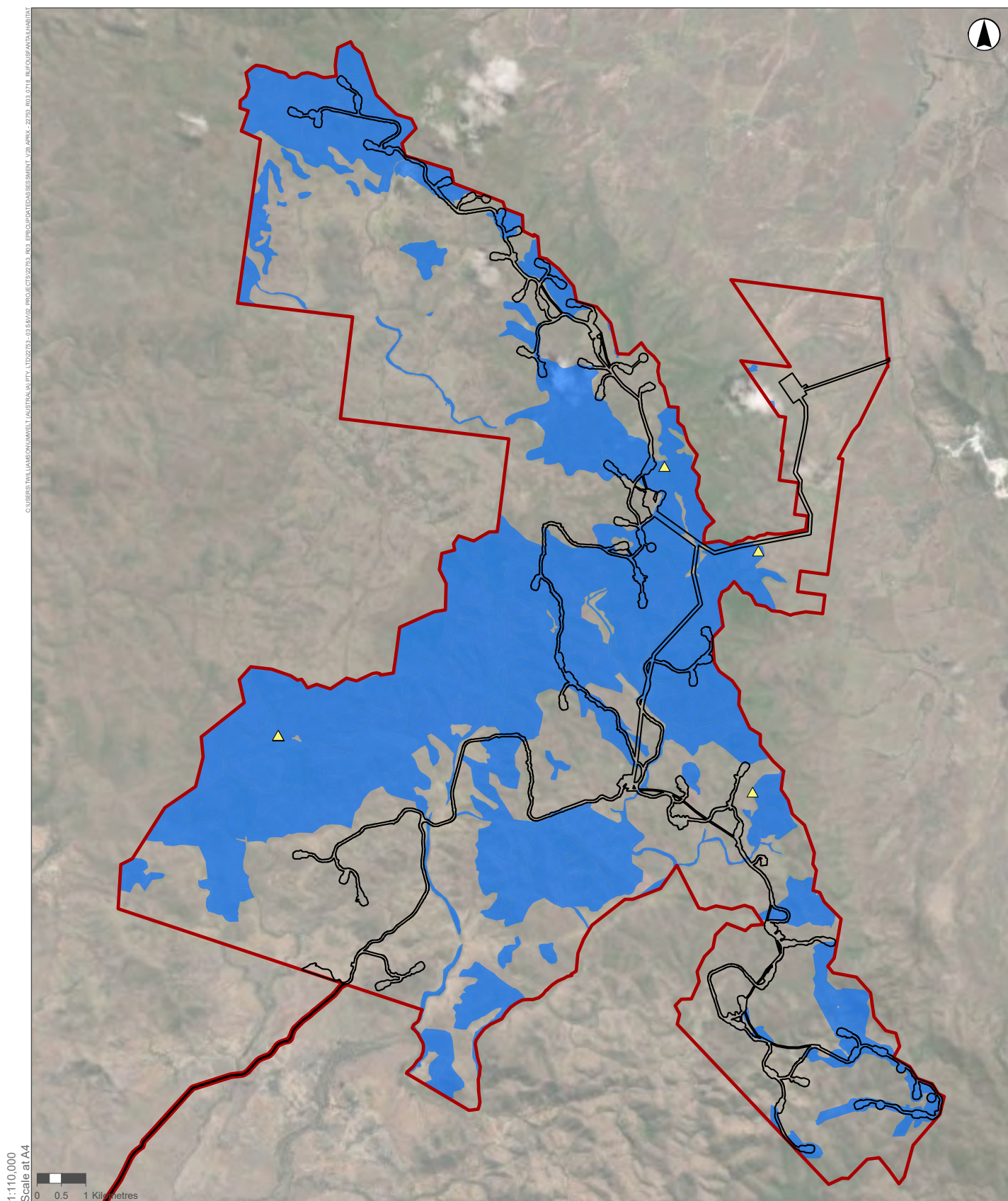


FIGURE 7.18F
RUFIOUS FANTAIL HABITAT



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Legend

- ▲ Rufous Fantail Record (Umwelt)
- Rufous Fantail Record (ALA)
- Disturbance Footprint
- Study Area
- Rufous Fantail Habitat**
- Rufous Fantail Habitat

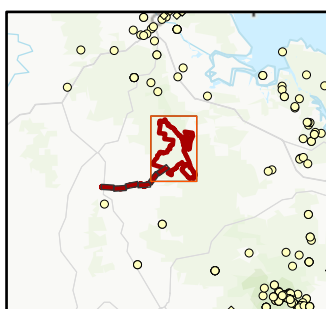
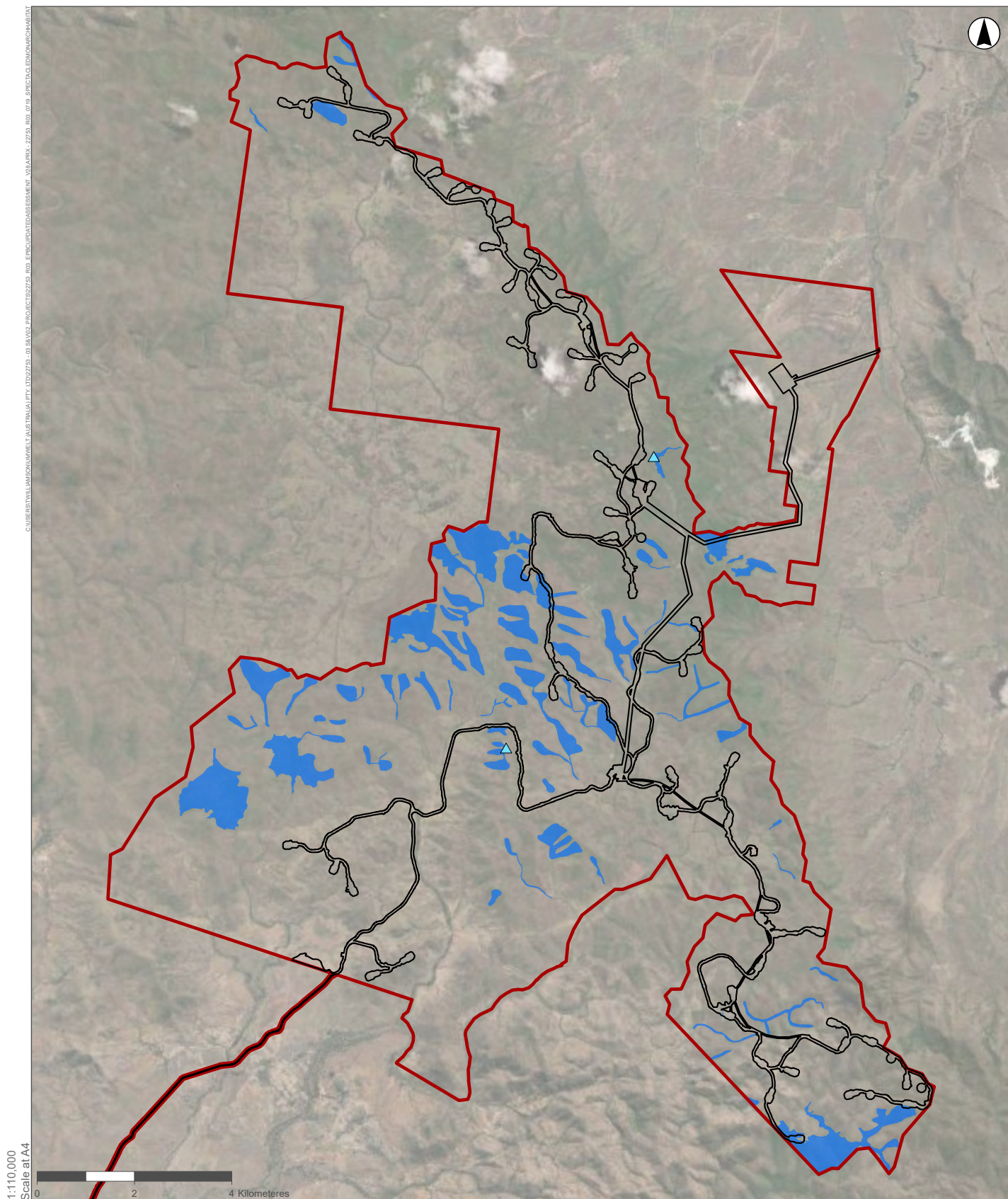


FIGURE 7.18G
RUFIOUS FANTAIL HABITAT



Legend

- Spectacled monarch Record (ALA)
- ▲ Spectacled monarch Record (Umwelt)
- ▬ Disturbance Footprint
- ▭ Study Area
- Spectacled Monarch Habitat**
- Foraging and Dispersal (Important Habitat)

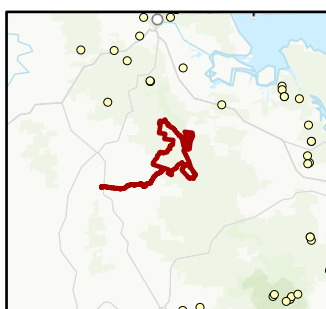
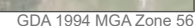


FIGURE 7.19

SPECTACLED MONARCH HABITAT



 Black-faced Monarch Record (ALA)
 Disturbance Footprint
 Study Area
Potential Black-faced Monarch Habitat
 BFMonarch
 Foraging and dispersal
 Foraging and marginal breeding

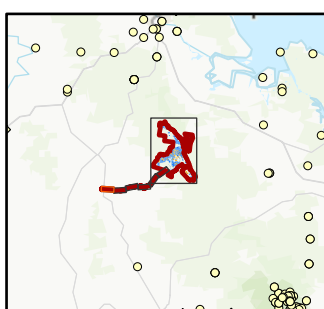


Image Source: ESRI Basemap (2022) **Data source:** Department of Resources (2022)



1:22,500
Scale at A4

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Legend

- Black-faced Monarch Record (ALA)
- Disturbance Footprint
- Study Area
- Potential Black-faced Monarch Habitat**
- BFMonarch
- Foraging and dispersal
- Foraging and marginal breeding

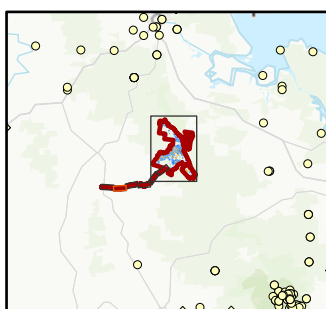


FIGURE 7.20B
BLACK-FACED MONARCH
POTENTIAL HABITAT



 Black-faced Monarch Record (ALA)
 Disturbance Footprint
 Study Area
Potential Black-faced Monarch Habitat
 BFMonarch
 Foraging and dispersal
 Foraging and marginal breeding

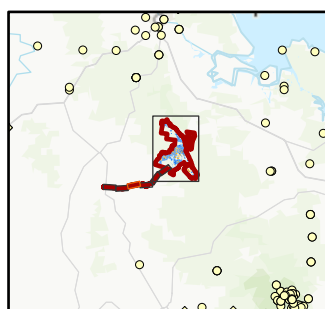


Image Source: ESRI Basemap (2022) **Data source:** Department of Resources (2022)



1:22,500
Scale at A4

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Legend

- Black-faced Monarch Record (ALA)
- Disturbance Footprint
- Study Area
- Potential Black-faced Monarch Habitat**
- BFMonarch**
- Foraging and dispersal
- Foraging and marginal breeding

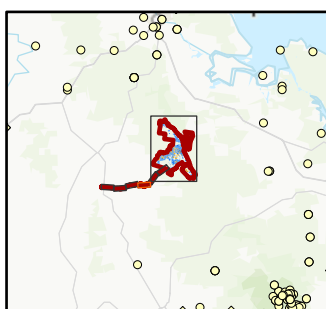


FIGURE 7.20D
BLACK-FACED MONARCH
POTENTIAL HABITAT



1:22,500
Scale at A4

GDA 1994 MGA Zone 56

Legend

- Black-faced Monarch Record (ALA)
- ▬ Disturbance Footprint
- ▬ Study Area
- Potential Black-faced Monarch Habitat**
- BFMonarch
- Foraging and dispersal
- Foraging and marginal breeding

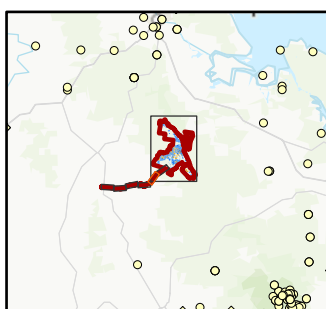


FIGURE 7.20E
BLACK-FACED MONARCH
POTENTIAL HABITAT



Legend

- Black-faced Monarch Record (ALA)
- Disturbance Footprint
- Study Area
- Potential Black-faced Monarch Habitat**
- BFMonarch
- Foraging and dispersal
- Foraging and marginal breeding

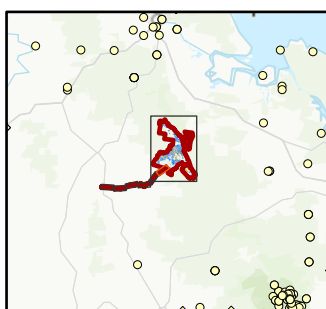
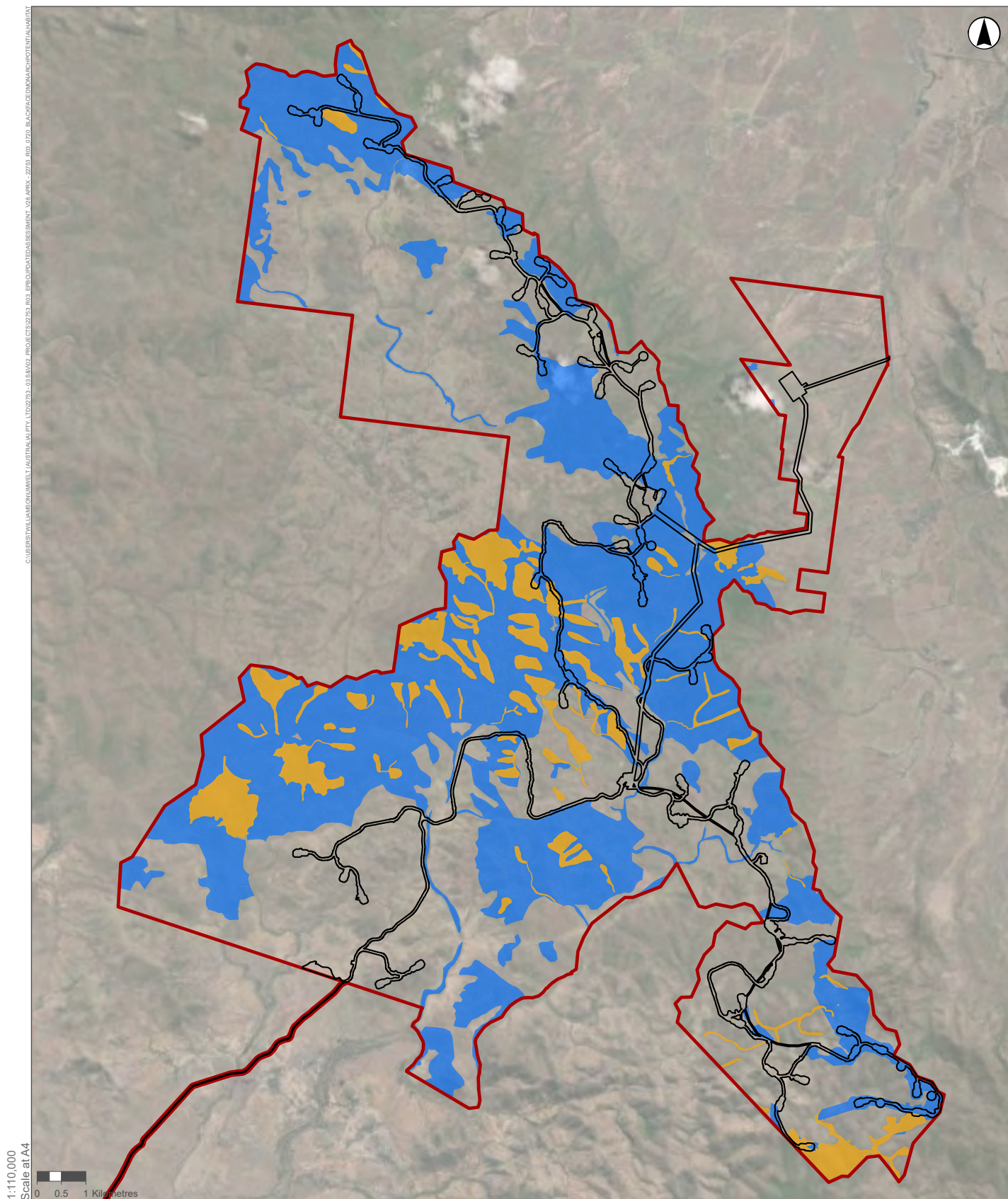


FIGURE 7.20F
BLACK-FACED MONARCH
POTENTIAL HABITAT



Legend

- Black-faced Monarch Record (ALA)
- Disturbance Footprint
- ▭ Study Area
- Potential Black-faced Monarch Habitat**
- BFMonarch
- Foraging and dispersal
- Foraging and marginal breeding

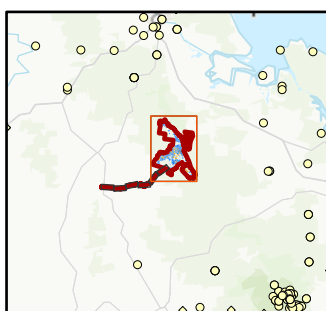


FIGURE 7.20G
BLACK-FACED MONARCH
POTENTIAL HABITAT