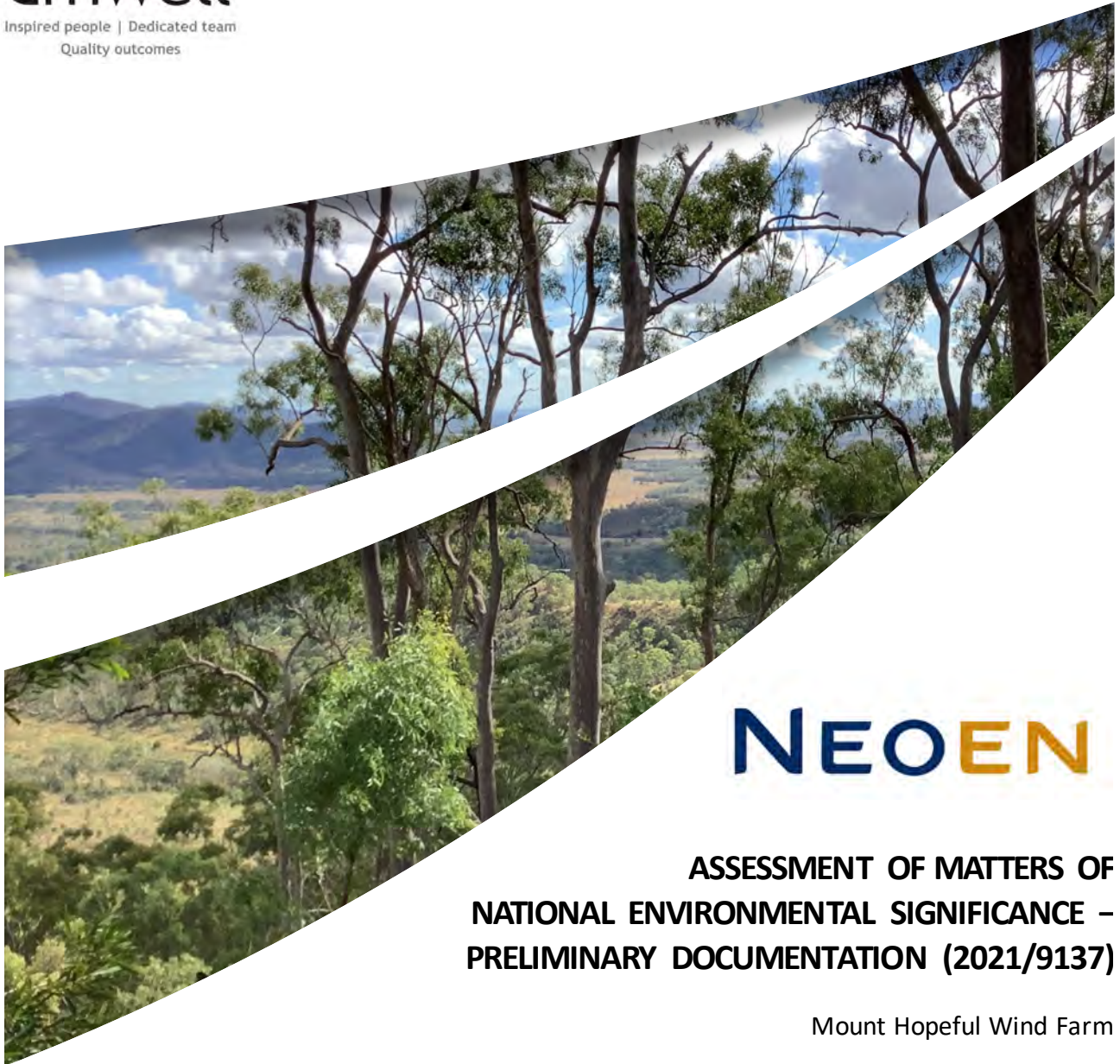




NEOEN

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

Mount Hopeful Wind Farm

FINAL – ATTACHMENT B3

August 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: August 2023



QMS Certification Services

This report was prepared using
Umwelt's ISO 9001 certified
Quality Management System.

Disclaimer

This document has been prepared for the sole use of the authorised recipient and this document may not be used, copied or reproduced in whole or part for any purpose other than that for which it was supplied by Umwelt (Australia) Pty Ltd (Umwelt). No other party should rely on this document without the prior written consent of Umwelt.

Umwelt undertakes no duty, nor accepts any responsibility, to any third party who may rely upon or use this document. Umwelt assumes no liability to a third party for any inaccuracies in or omissions to that information. Where this document indicates that information has been provided by third parties, Umwelt has made no independent verification of this information except as expressly stated.

©Umwelt (Australia) Pty Ltd

Table of Contents

Figures

Figure 7.13	Squatter Pigeon (Southern) Habitat	1
Figure 7.14	Yellow-bellied Glider Potential Habitat	8
Figure 7.15	Fork-tailed Swift Potential Habitat	15
Figure 7.16	Oriental Cuckoo Potential Habitat	22
Figure 7.17	Satin Flycatcher Potential Habitat	29
Figure 7.18	Rufous Fantail Habitat	36
Figure 7.19	Spectacled Monarch Habitat	43
Figure 7.20	Black-faced Monarch Potential Habitat	44



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

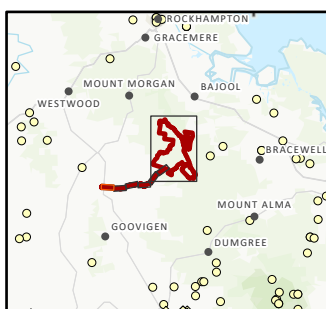


FIGURE 7.13A

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

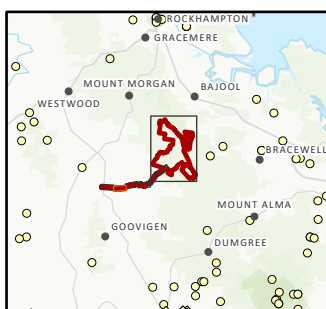


FIGURE 7.13B

**SQUATTER PIGEON (SOUTHERN)
HABITAT**



C:\USER\BETH\AMF\CON\UMWELT\AUSTRALIA\PTV\12022703_03_BAV02_PROJECT\2022703_R03_EINCIP\DATA\ASSESSMENT_2024\APK_22703_R03_0713_SQUATTERPIGEON\HABITAT

1:22,500
Scale at A4



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

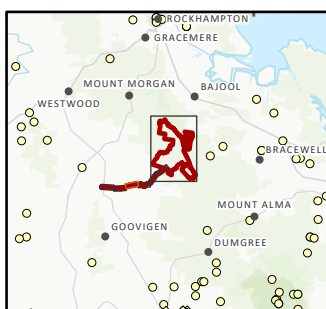
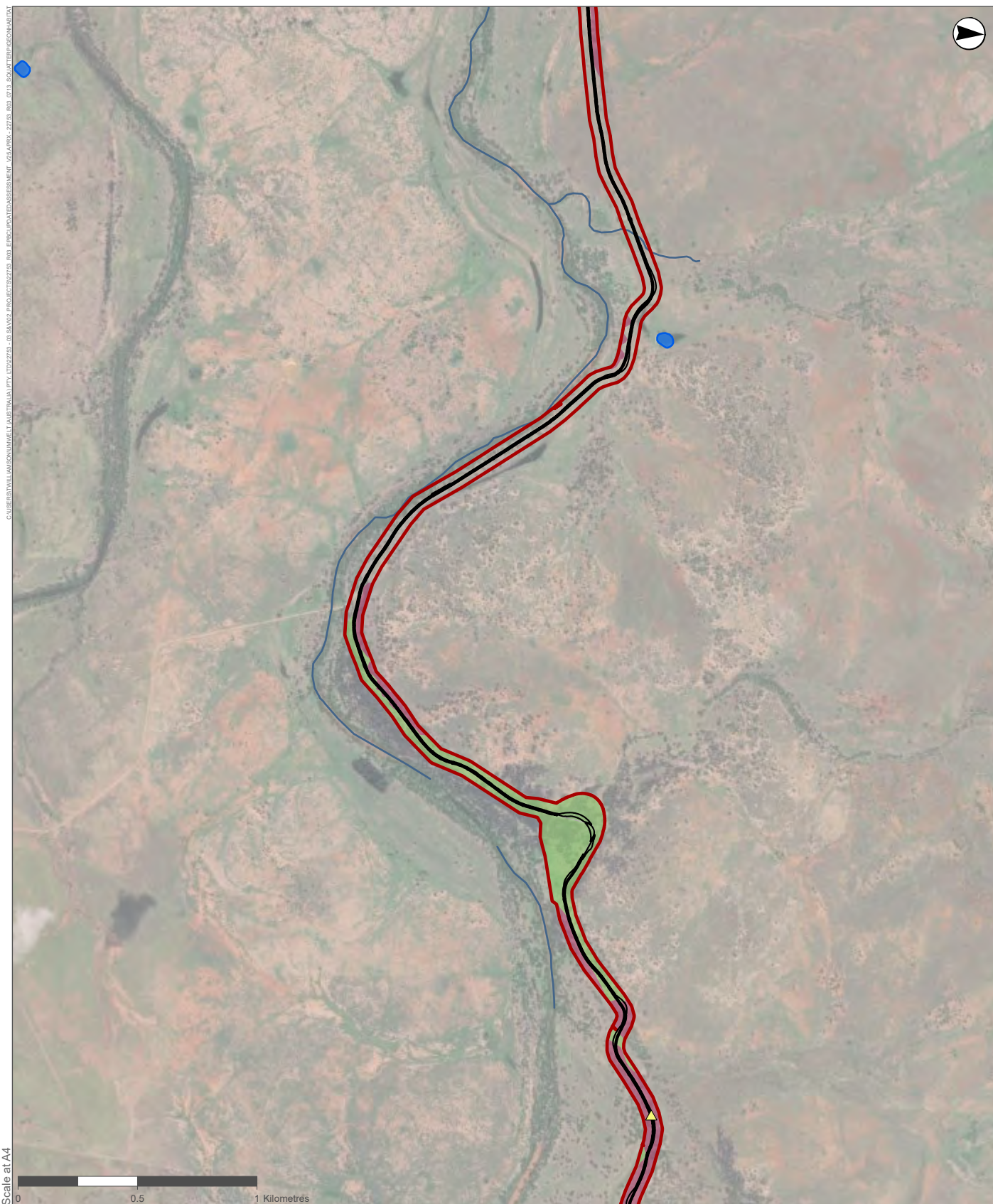


FIGURE 7.13C

**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

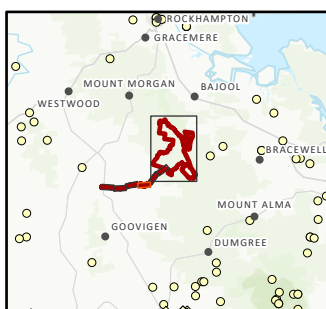
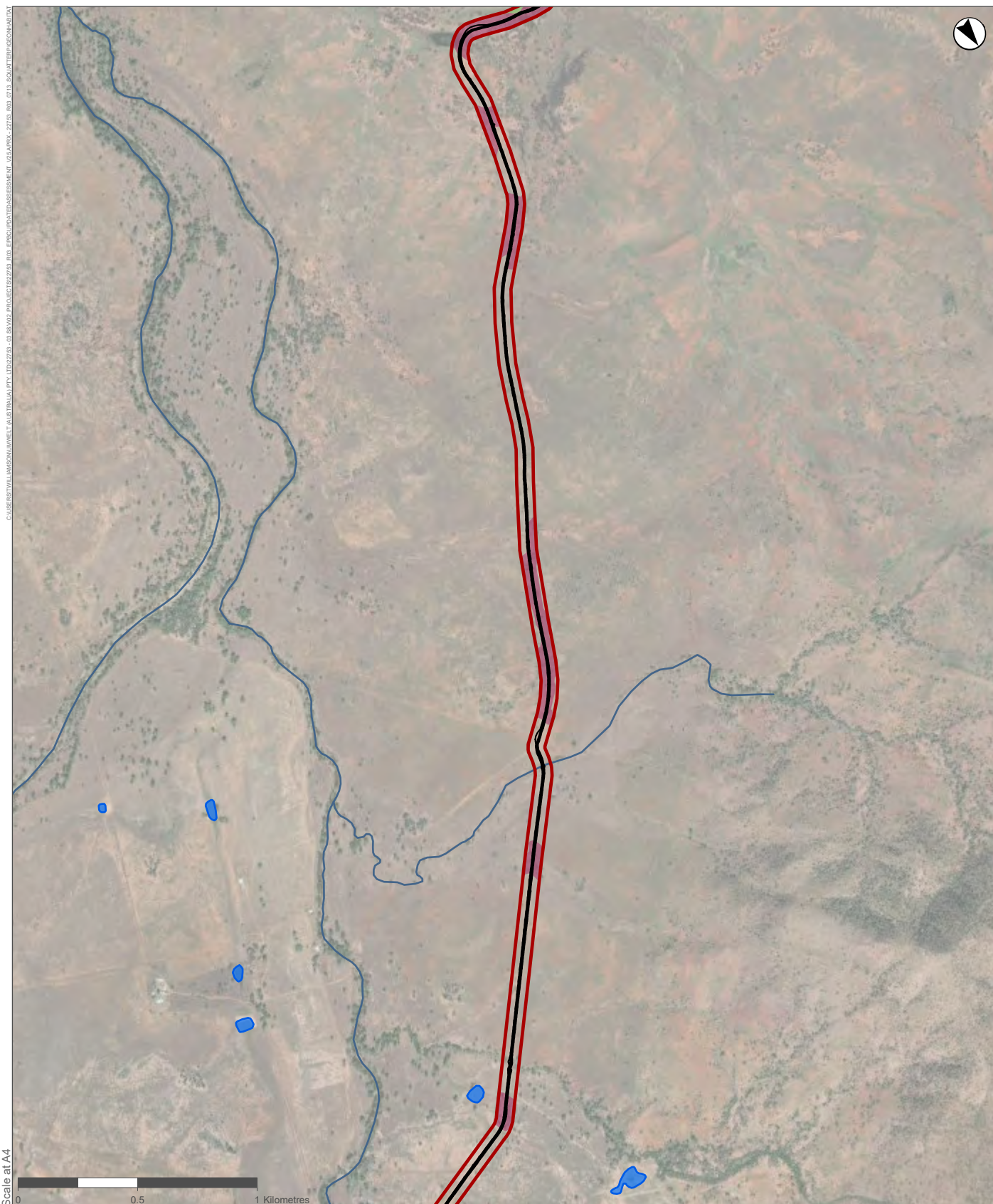


FIGURE 7.13D

**SQUATTER PIGEON (SOUTHERN)
HABITAT**



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

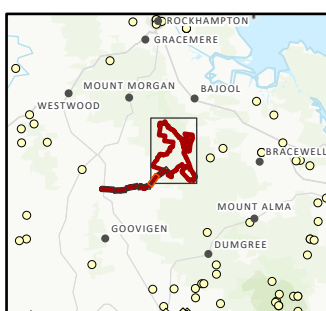
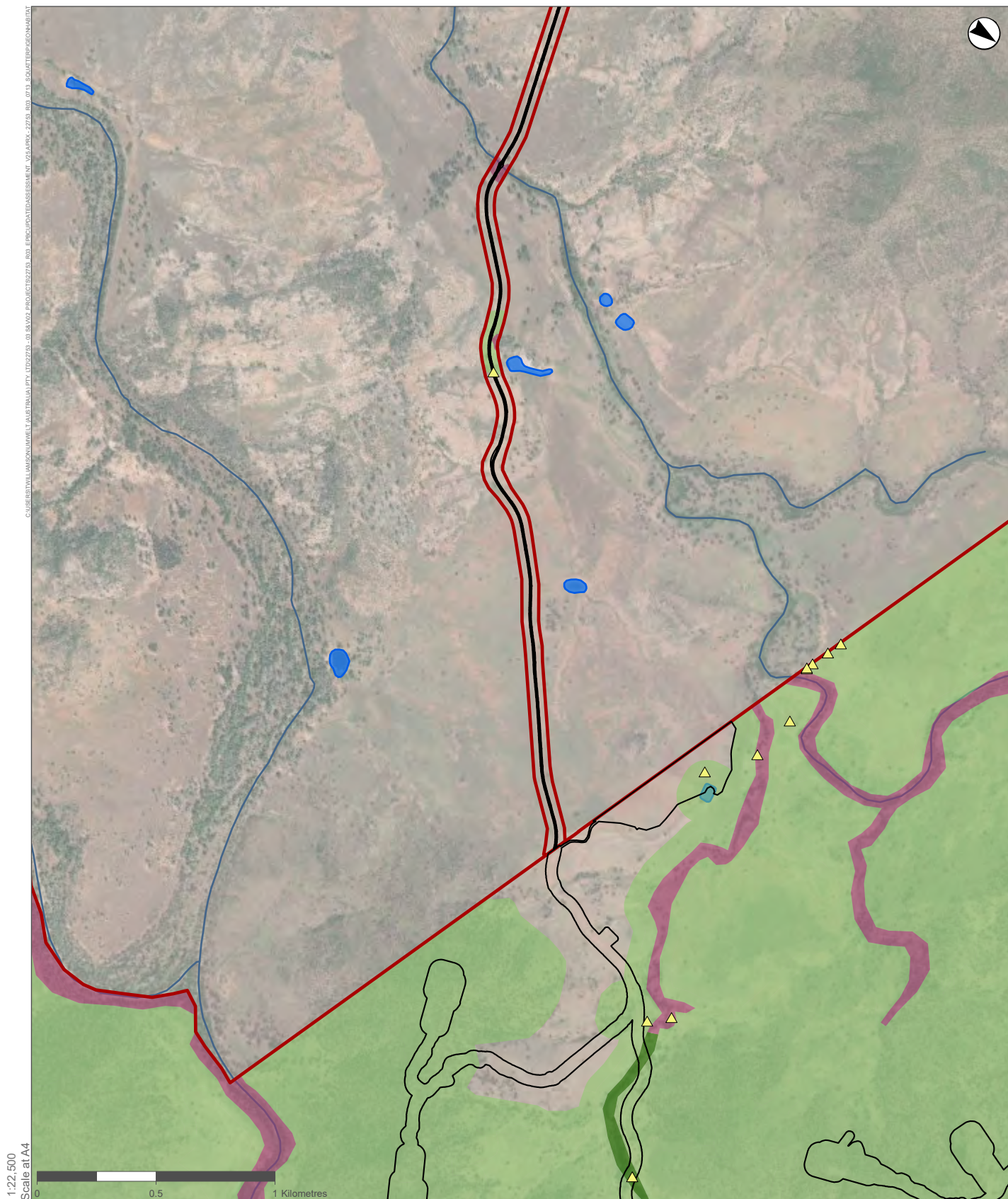


FIGURE 7.13E

**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

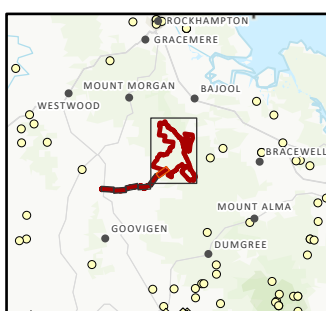
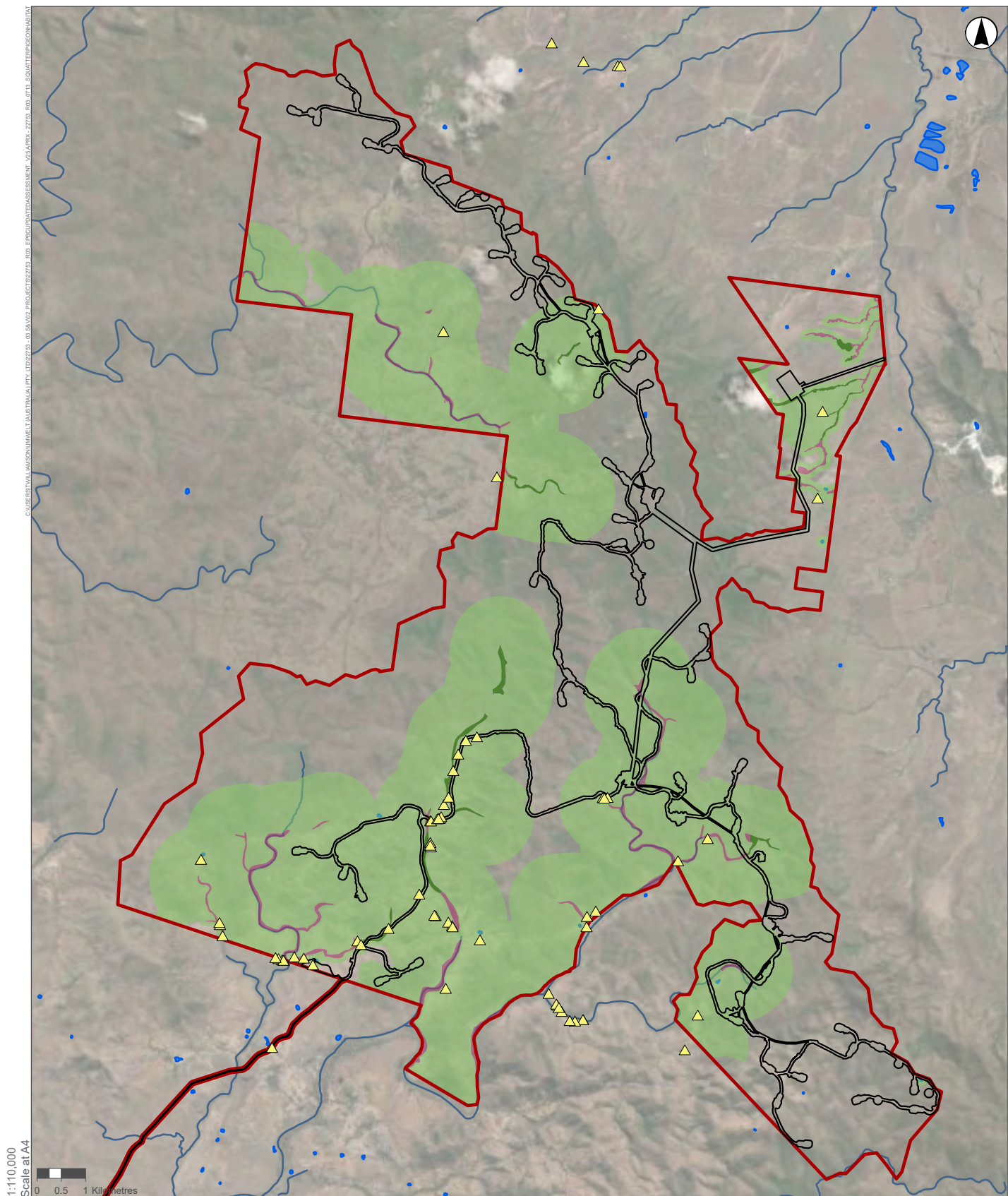


FIGURE 7.13F

**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

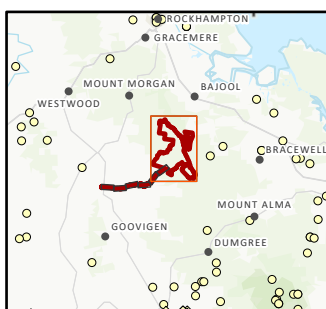


FIGURE 7.13G

SQUATTER PIGEON (SOUTHERN)
HABITAT



Legend
 [Black outline] Disturbance Footprint
 [Red outline] Study Area

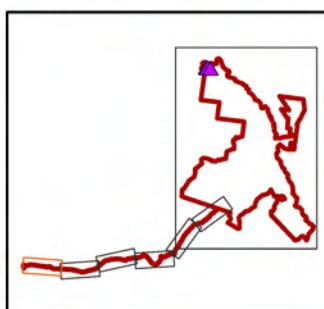


FIGURE 7.14A
 YELLOW-BELLIED GLIDER
 (SOUTH-EASTERN) HABITAT



Legend

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

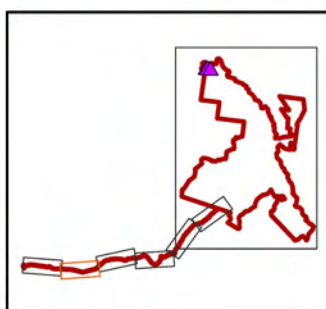


FIGURE 7.14B

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



Legend

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

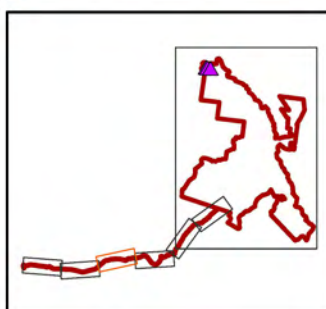
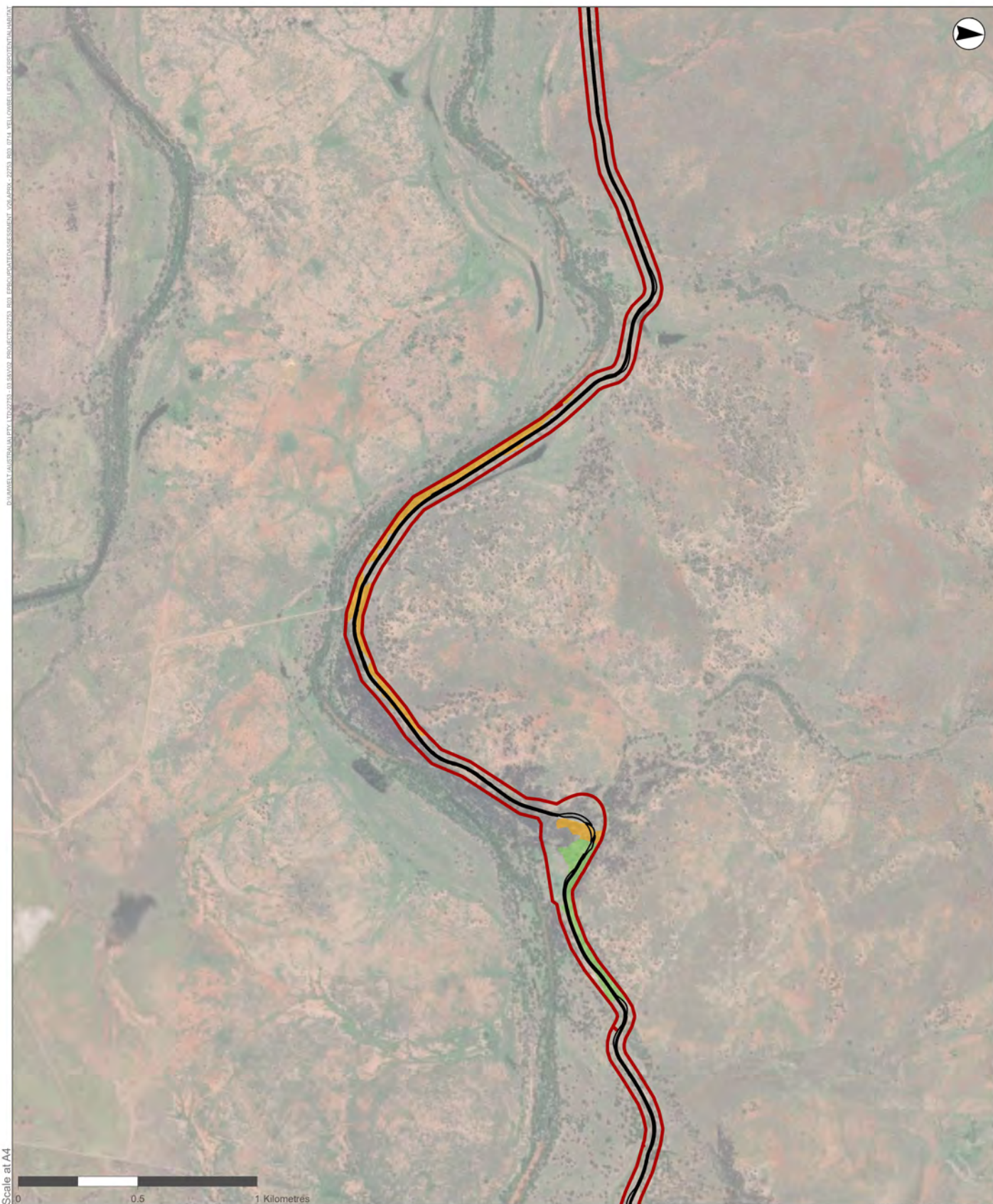


FIGURE 7.14C

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



1:22,500
Scale at A4

GDA 1994 MGA Zone 56

Legend

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

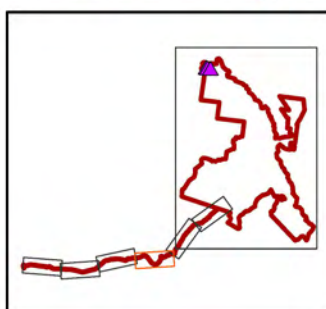


FIGURE 7.14D

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



Legend

-  Disturbance Footprint
-  Study Area

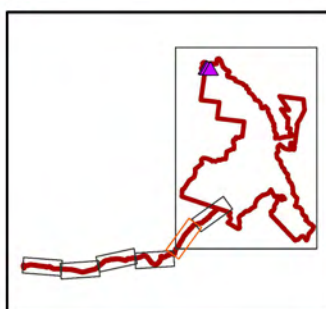
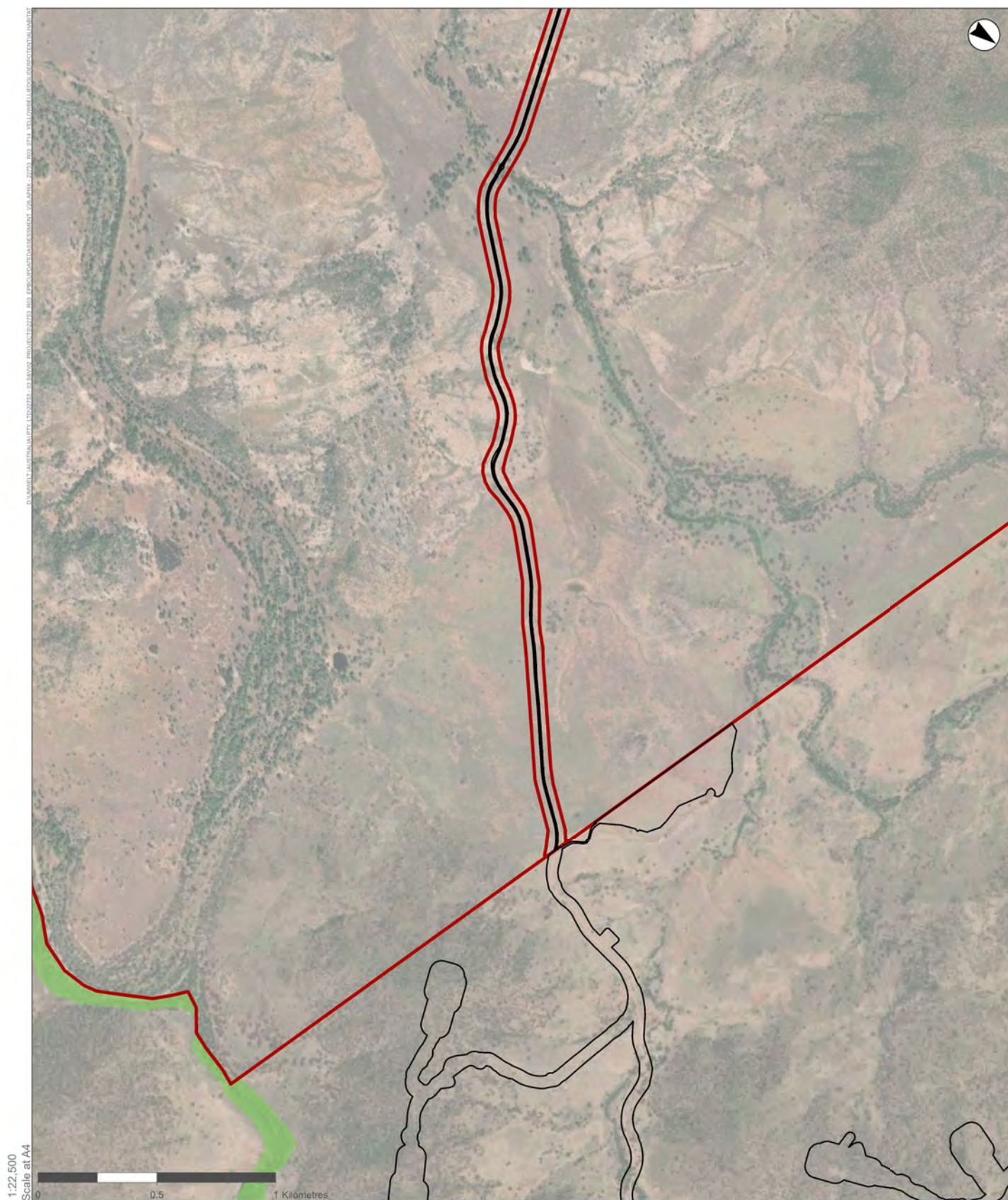


FIGURE 7.14E

YELLOW-BELLIED GLIDER
(SOUTH-EASTERN) HABITAT



1:22,500
Scale at A4

GDA 1994 MGA Zone 56

Legend

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

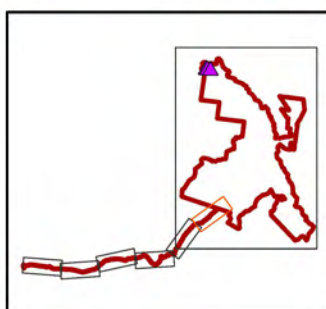
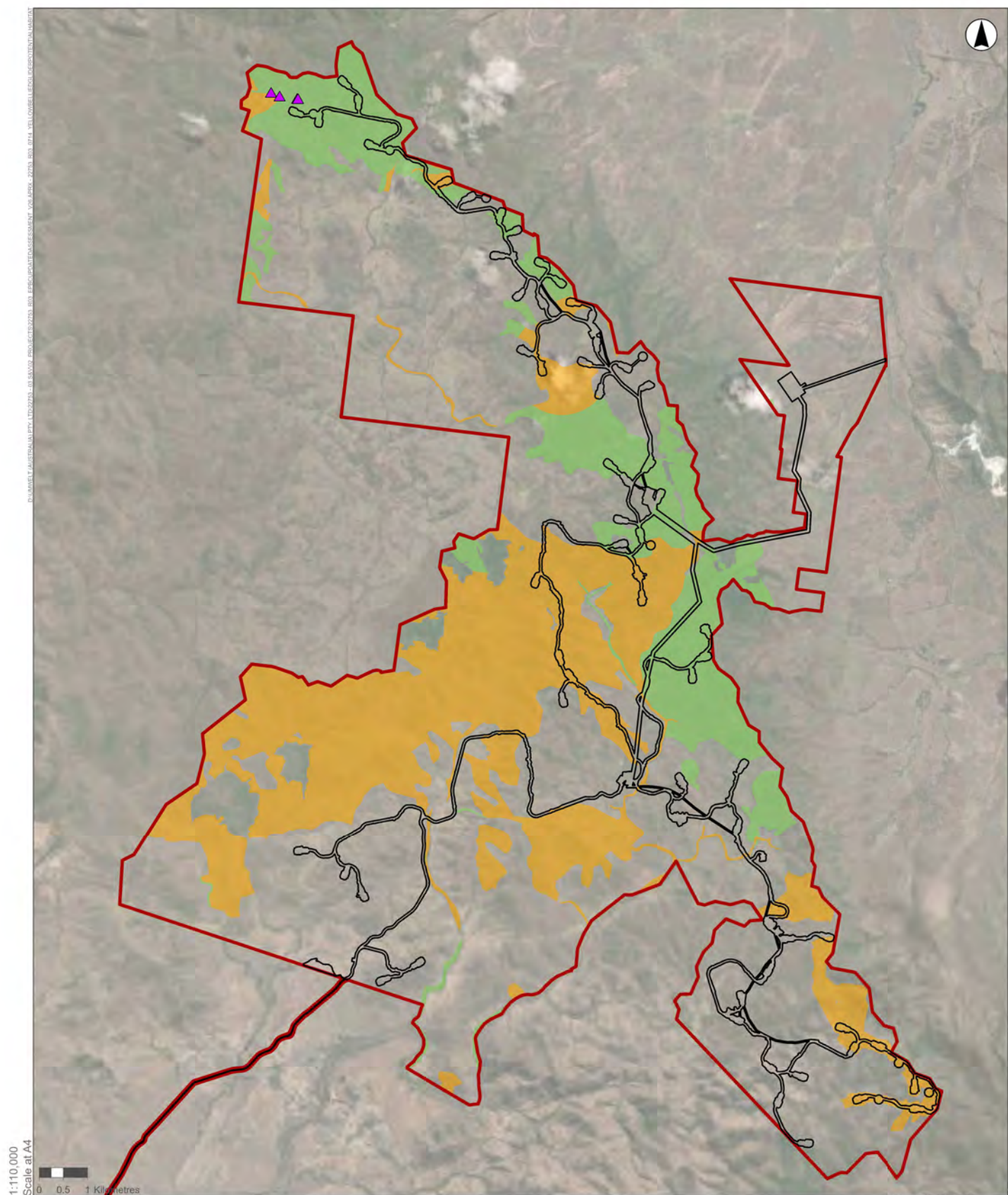


FIGURE 7.14F

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



Legend

- Disturbance Footprint
- Study Area
- Yellow-bellied Glider (south-eastern) Record (Umwelt)
- 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)

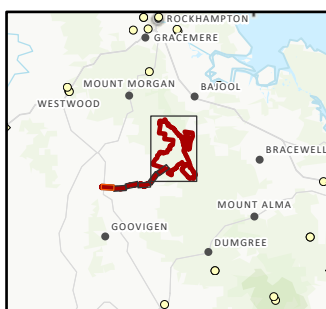


FIGURE 7.15A
FORK-TAILED SWIFT POTENTIAL HABITAT



Legend

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

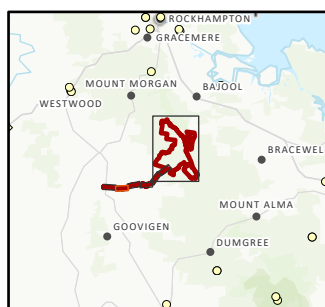


FIGURE 7.15B
FORK-TAILED SWIFT POTENTIAL HABITAT



Legend

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

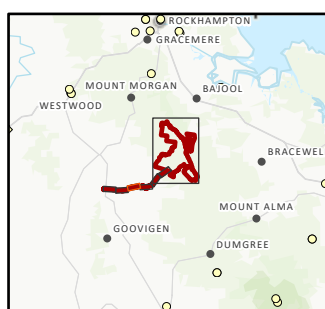
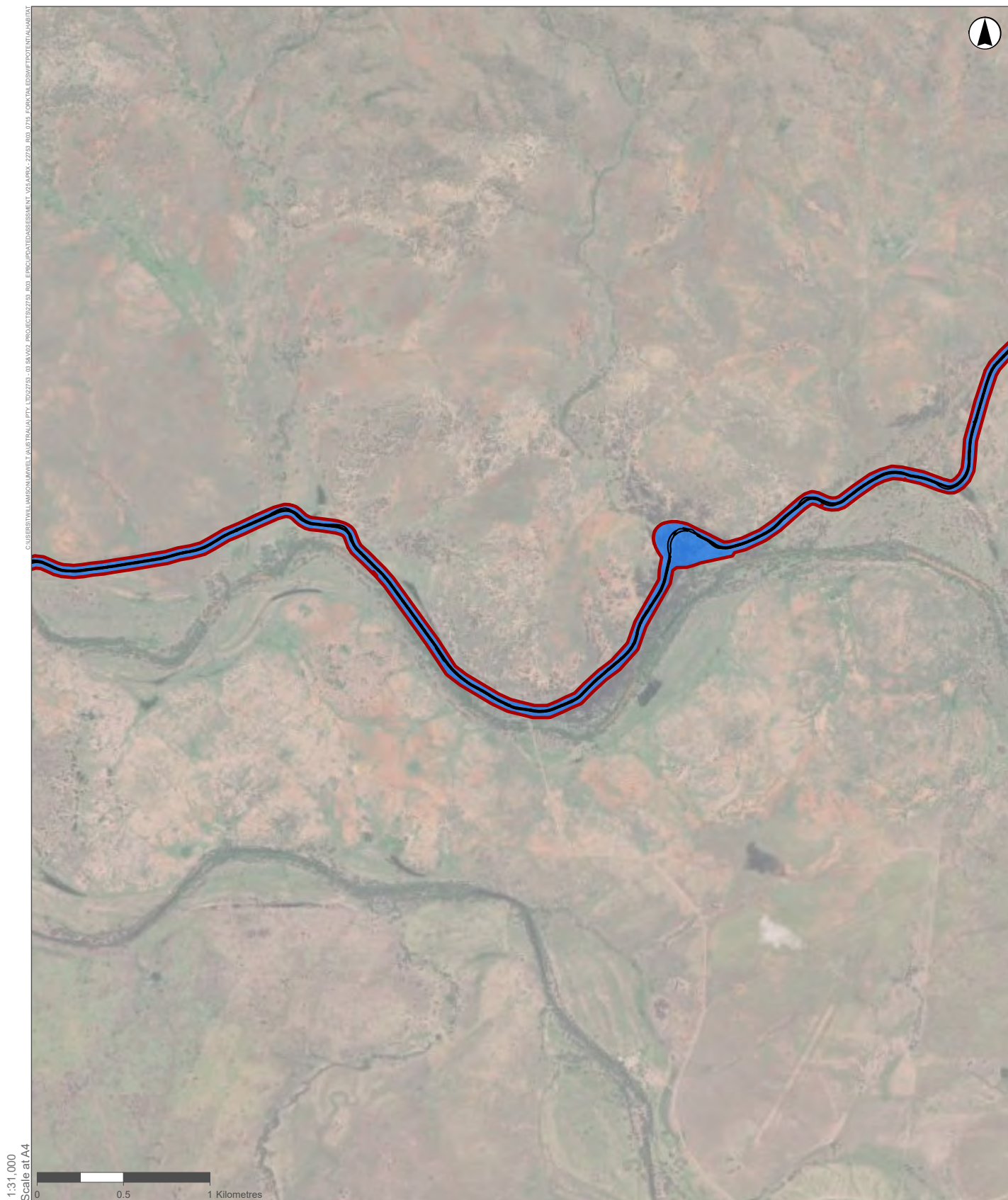


FIGURE 7.15C
FORK-TAILED SWIFT POTENTIAL HABITAT



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)

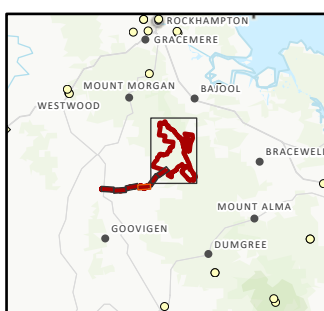


FIGURE 7.15D
FORK-TAILED SWIFT POTENTIAL HABITAT



Legend

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

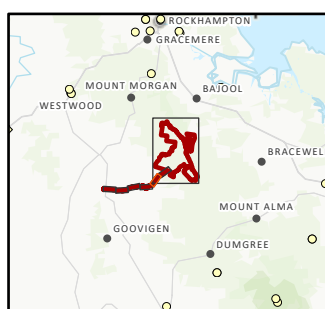
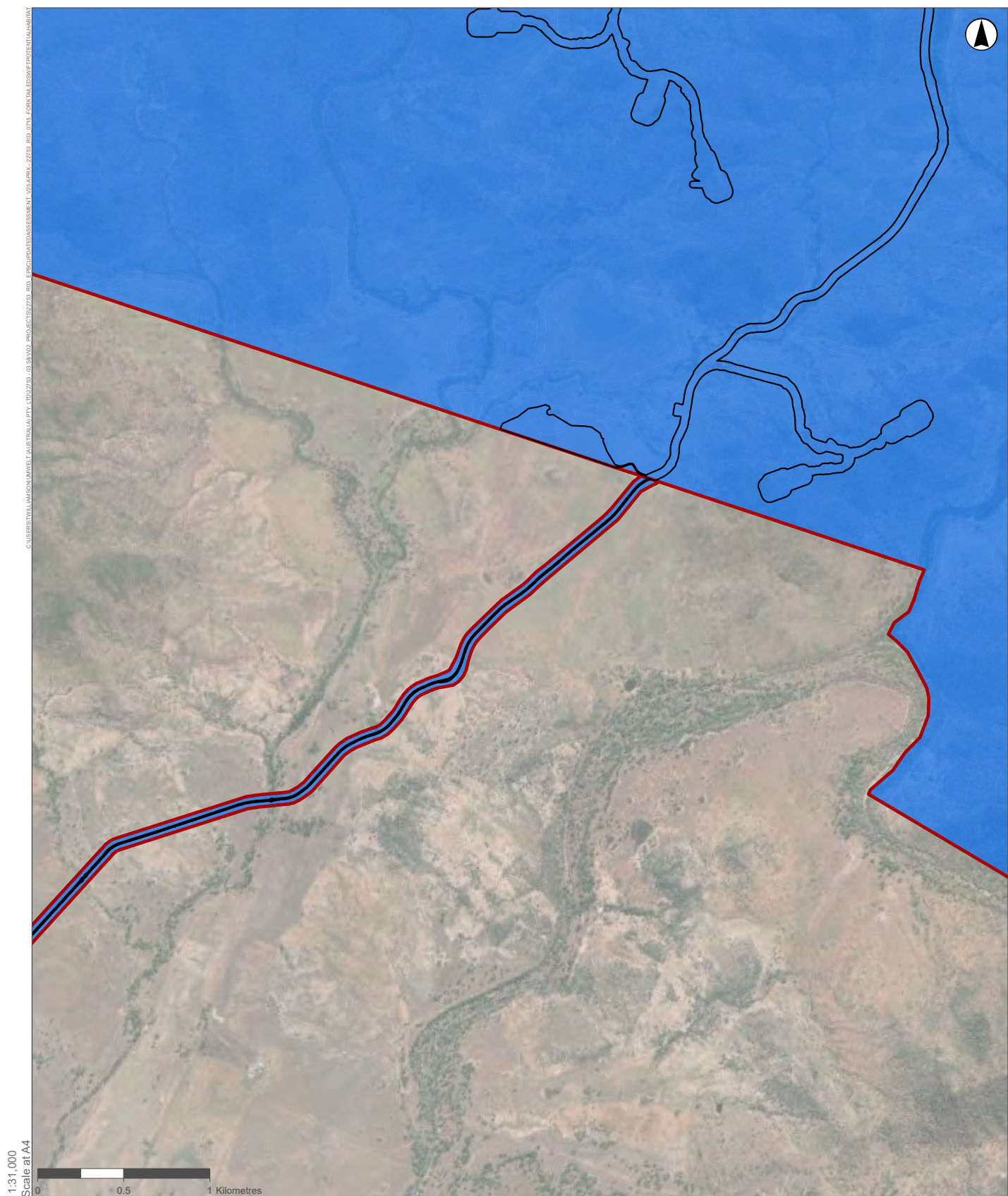


FIGURE 7.15E
FORK-TAILED SWIFT POTENTIAL HABITAT



Legend

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

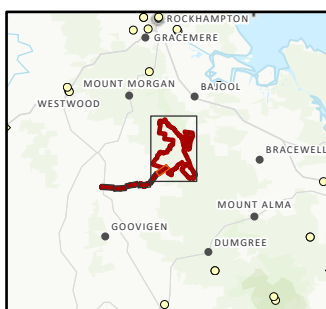
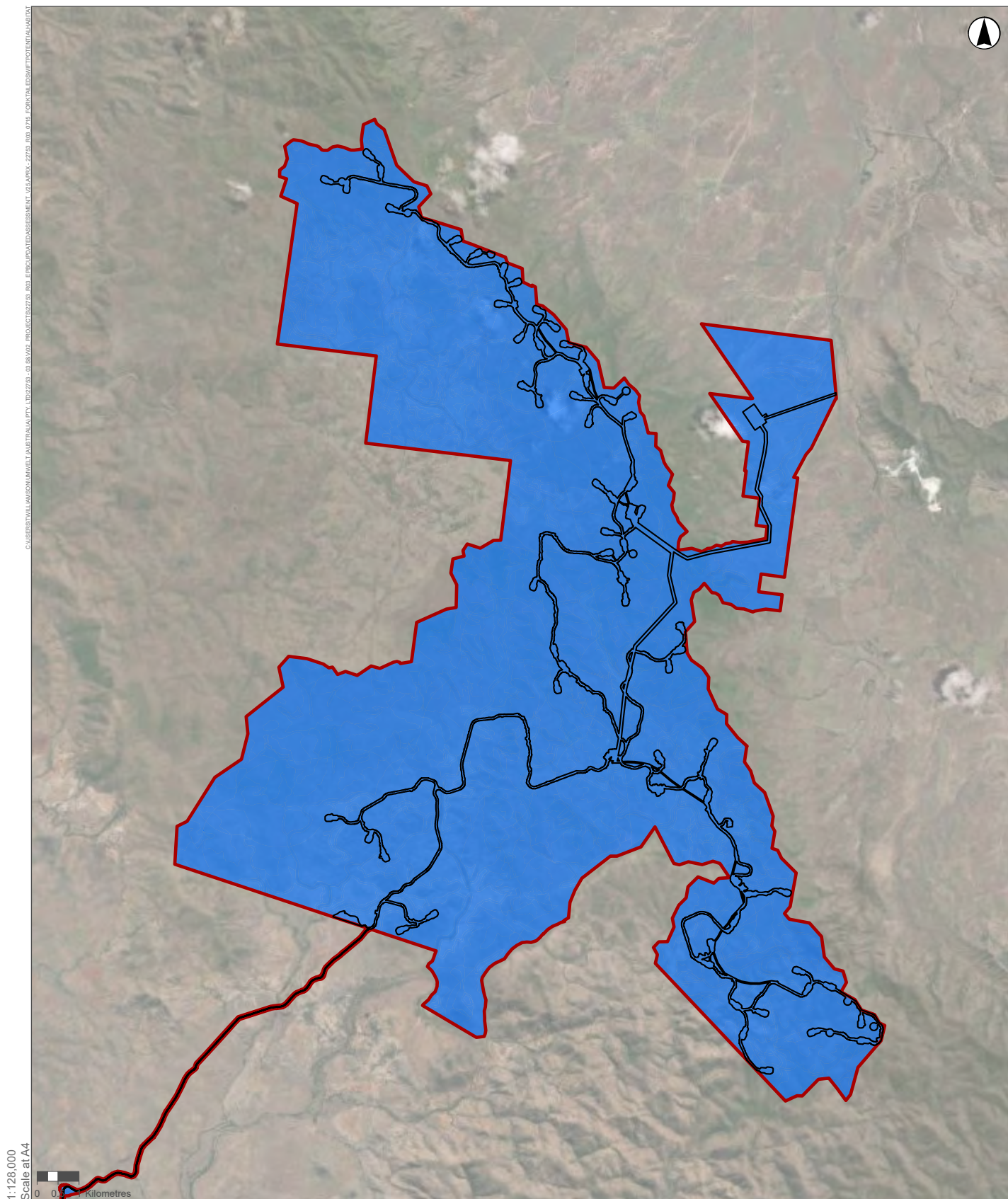


FIGURE 7.15F
FORK-TAILED SWIFT POTENTIAL HABITAT



Legend

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

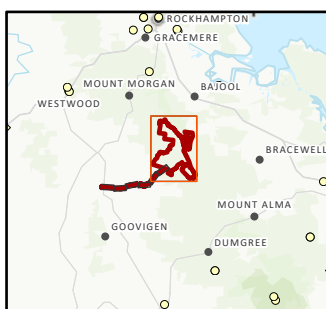


FIGURE 7.15G
FORK-TAILED SWIFT POTENTIAL HABITAT



GDA 1994 MGA Zone 56

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

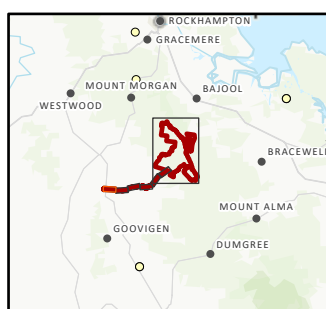


FIGURE 7.16A
ORIENTAL CUCKOO POTENTIAL
HABITAT



Legend

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

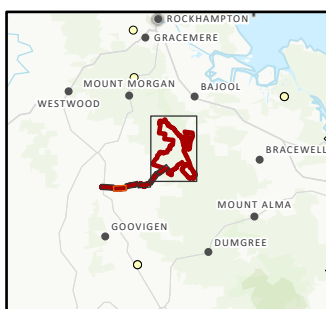


FIGURE 7.16B

ORIENTAL CUCKOO POTENTIAL HABITAT



Legend

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

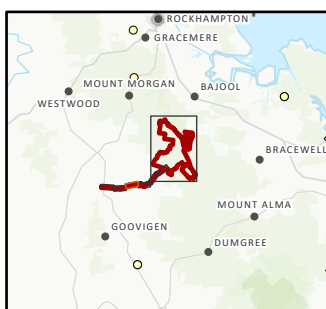


FIGURE 7.16C
ORIENTAL CUCKOO POTENTIAL HABITAT



Legend

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

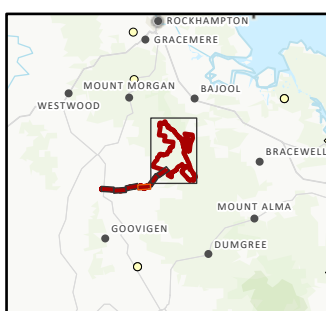
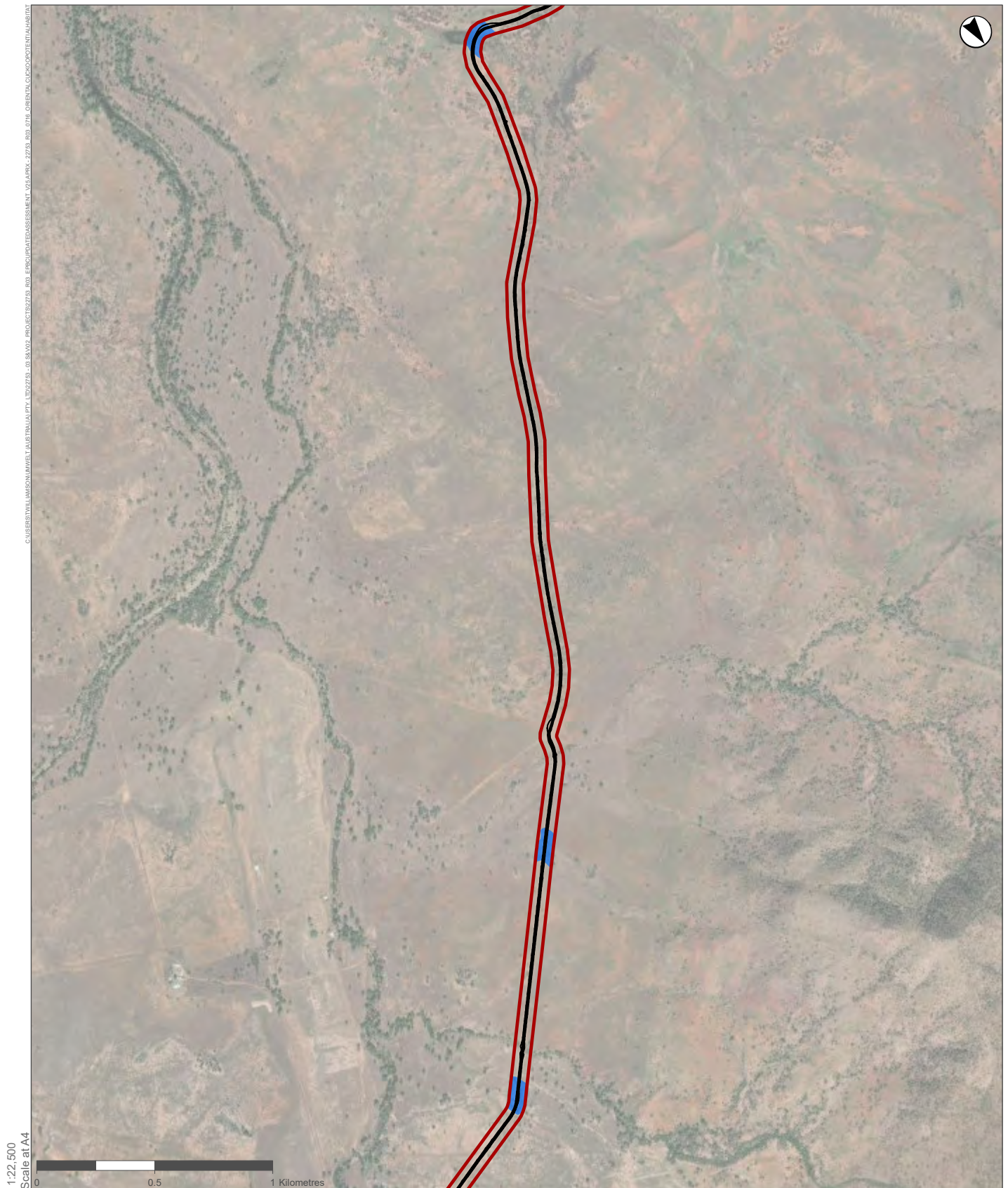


FIGURE 7.16D
ORIENTAL CUCKOO POTENTIAL HABITAT



GDA 1994 MGA Zone 56

Legend

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

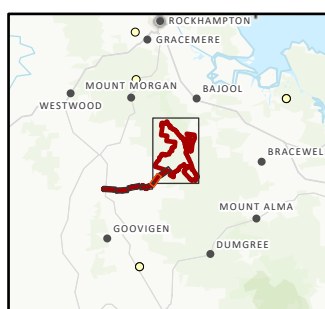


FIGURE 7.16E
ORIENTAL CUCKOO POTENTIAL
HABITAT



GDA 1994 MGA Zone 56

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

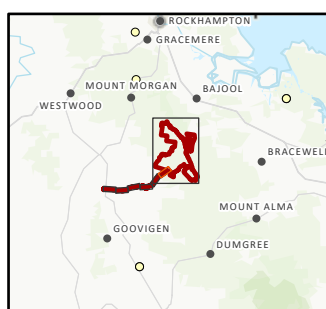
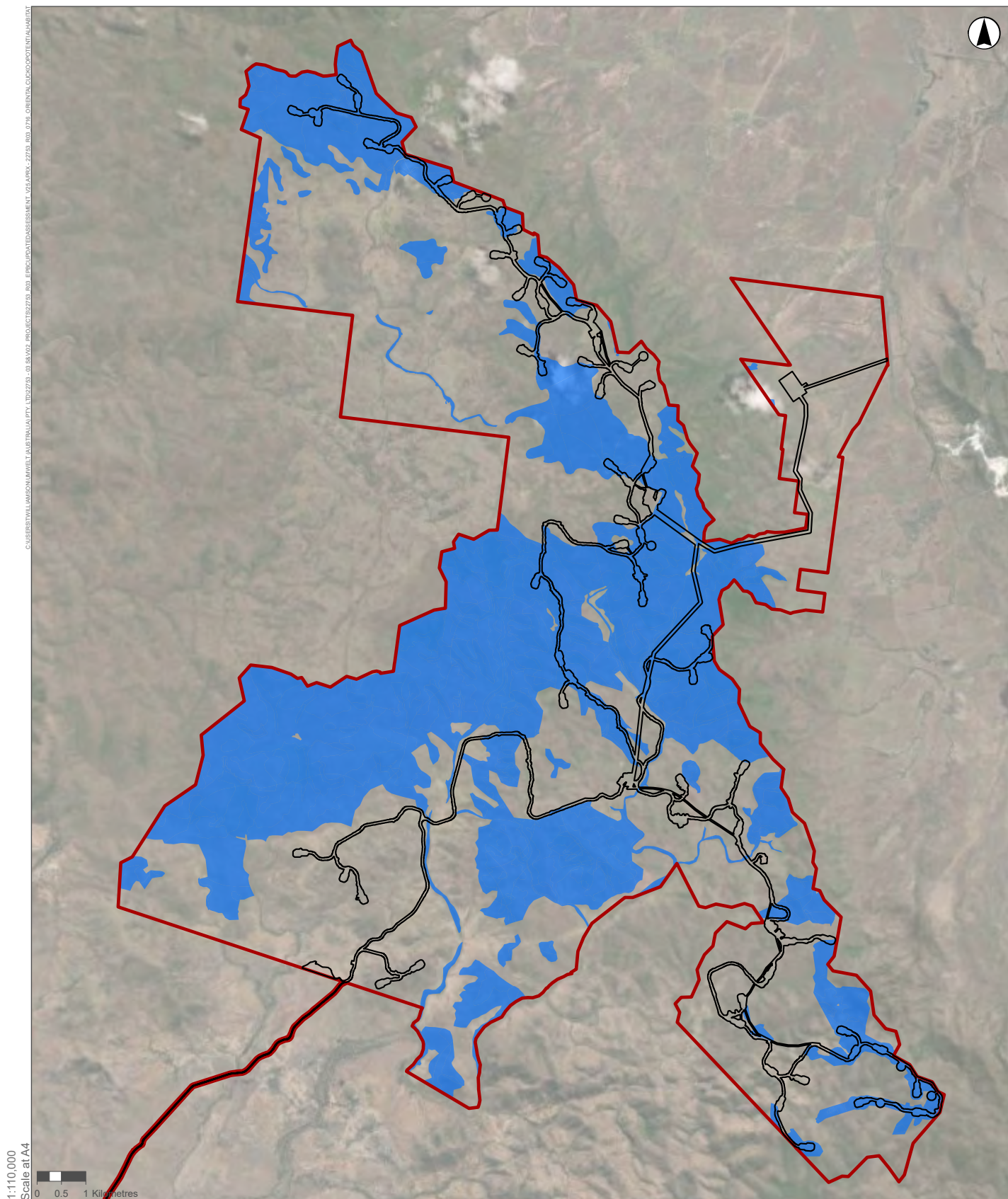


FIGURE 7.16F
ORIENTAL CUCKOO POTENTIAL
HABITAT



Legend

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

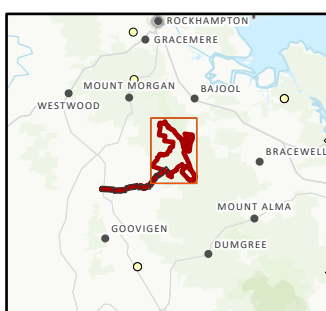


FIGURE 7.16G
ORIENTAL CUCKOO POTENTIAL HABITAT



Legend

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

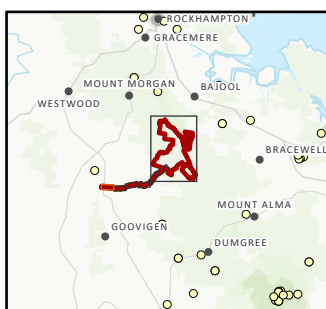


FIGURE 7.17A
SATIN FLYCATCHER POTENTIAL HABITAT



Legend

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

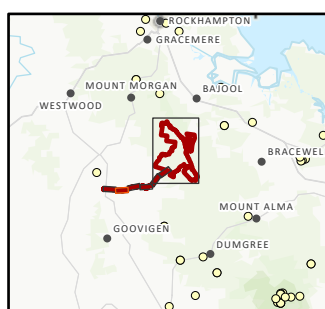


FIGURE 7.17B

SATIN FLYCATCHER POTENTIAL HABITAT



Legend

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

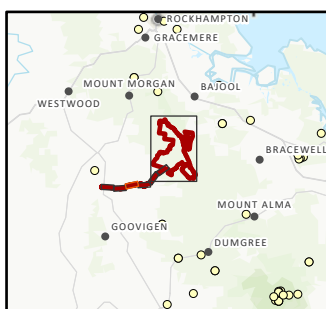


FIGURE 7.17C
SATIN FLYCATCHER POTENTIAL HABITAT



Legend

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

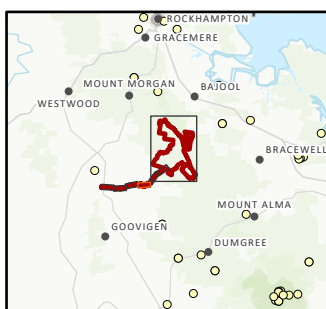
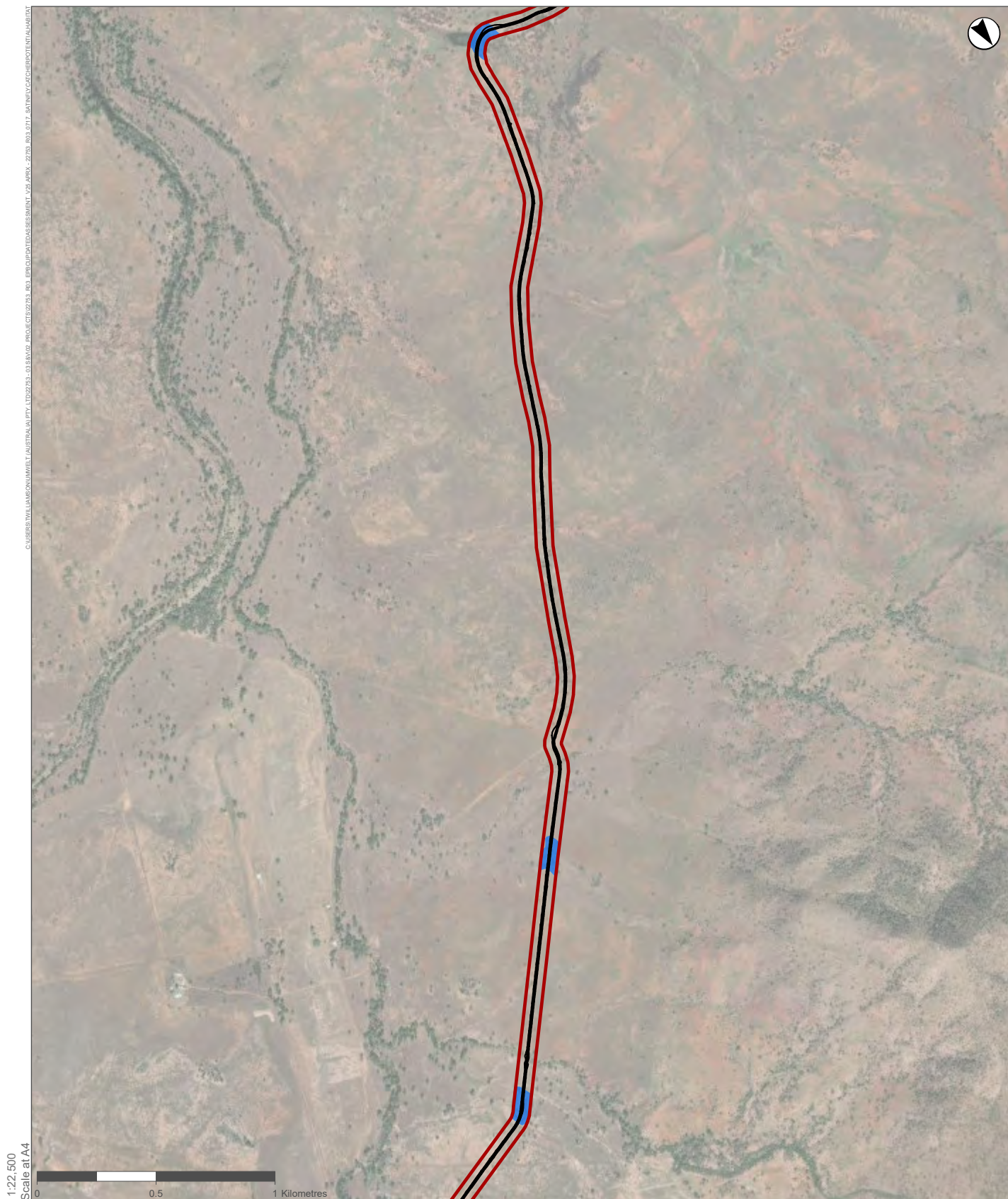


FIGURE 7.17D

SATIN FLYCATCHER POTENTIAL HABITAT



Legend

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

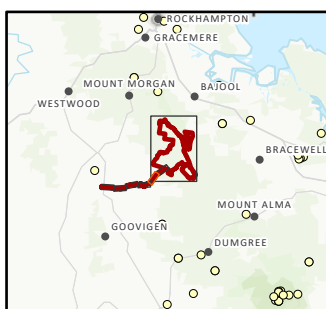


FIGURE 7.17E
SATIN FLYCATCHER POTENTIAL HABITAT



Legend

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

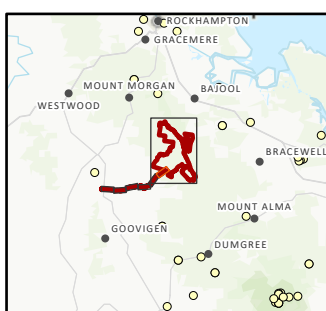
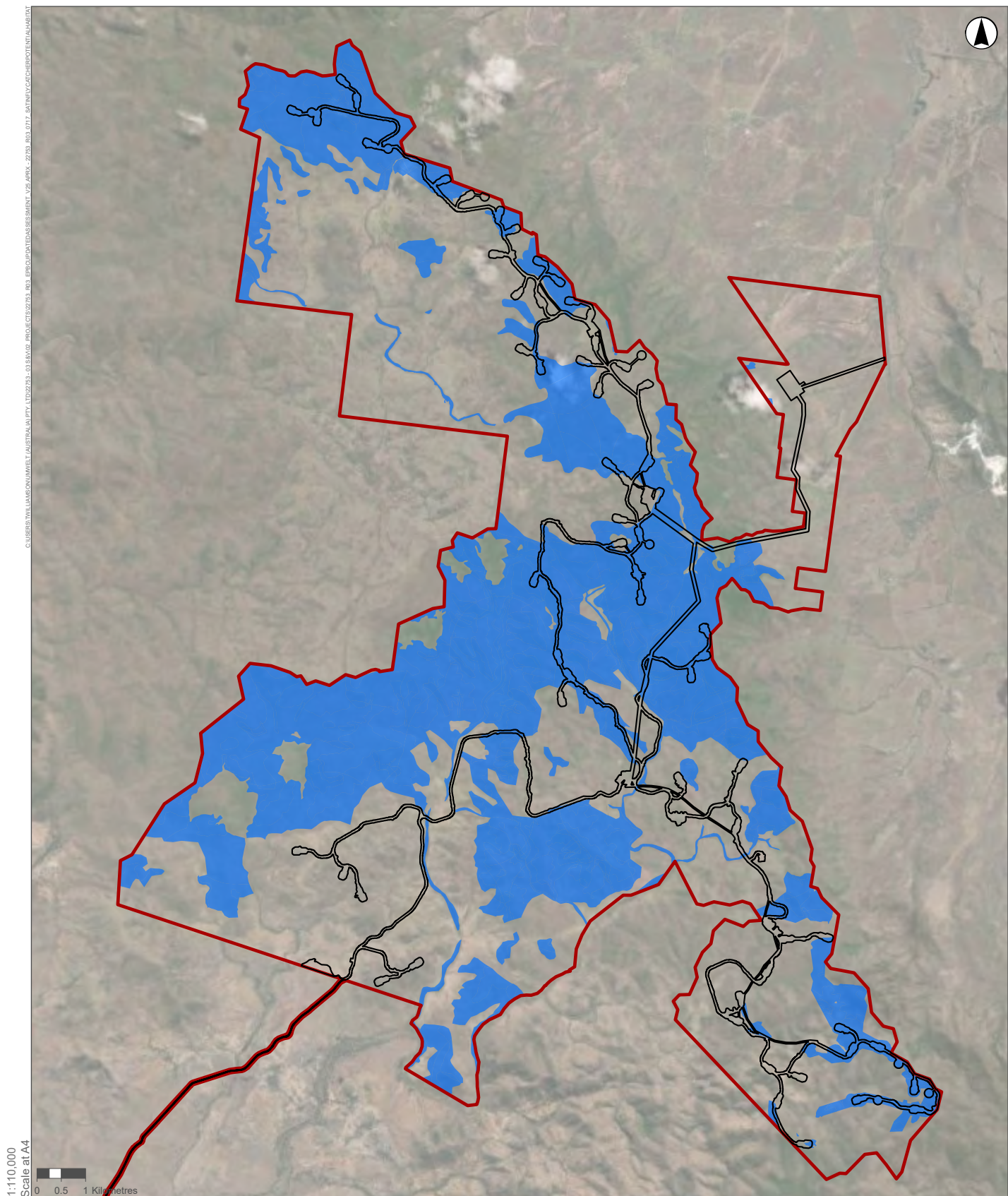


FIGURE 7.17F
SATIN FLYCATCHER POTENTIAL HABITAT



Legend

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

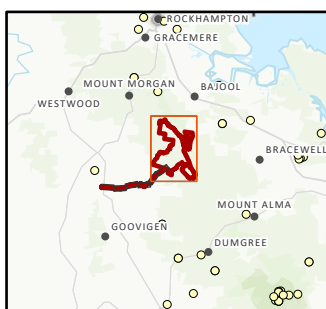


FIGURE 7.17G
SATIN FLYCATCHER POTENTIAL HABITAT



Legend

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

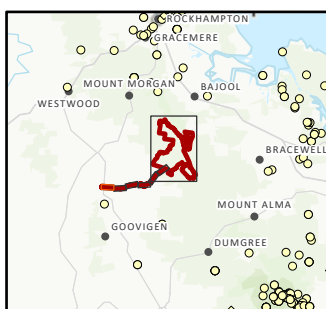


FIGURE 7.18A
RUFIOUS FANTAIL HABITAT



Legend

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

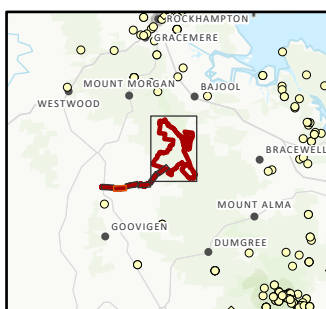
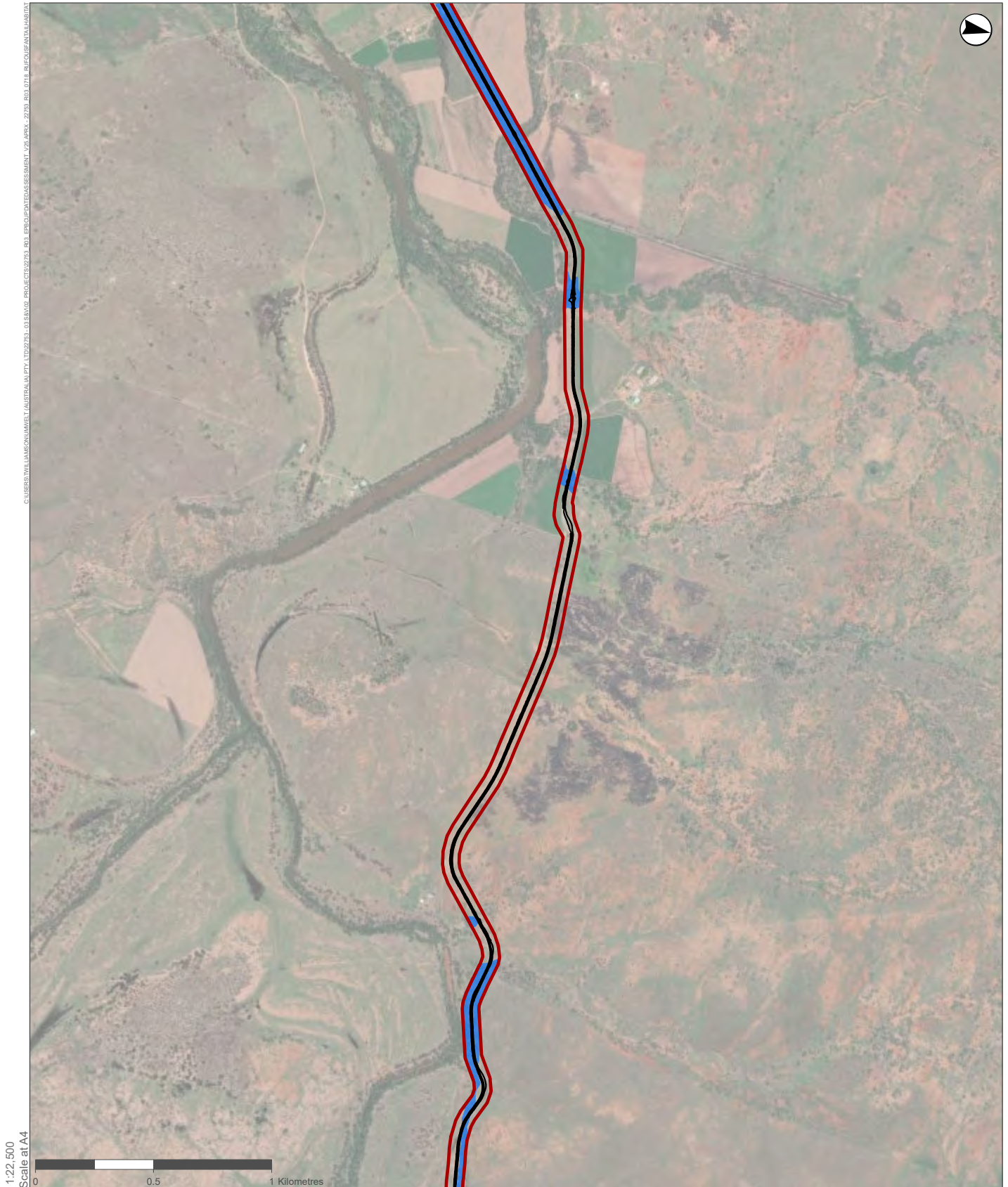


FIGURE 7.18B
RUFIOUS FANTAIL HABITAT



GDA 1994 MGA Zone 56

Legend

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

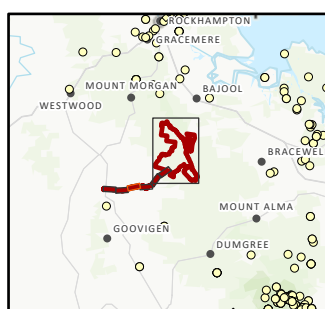


FIGURE 7.18C
RUFIOUS FANTAIL HABITAT



GDA 1994 MGA Zone 56

Legend

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

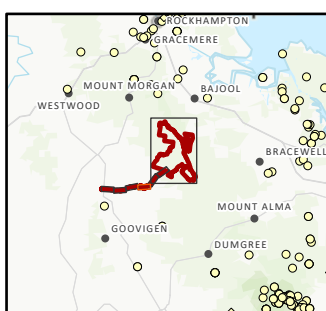
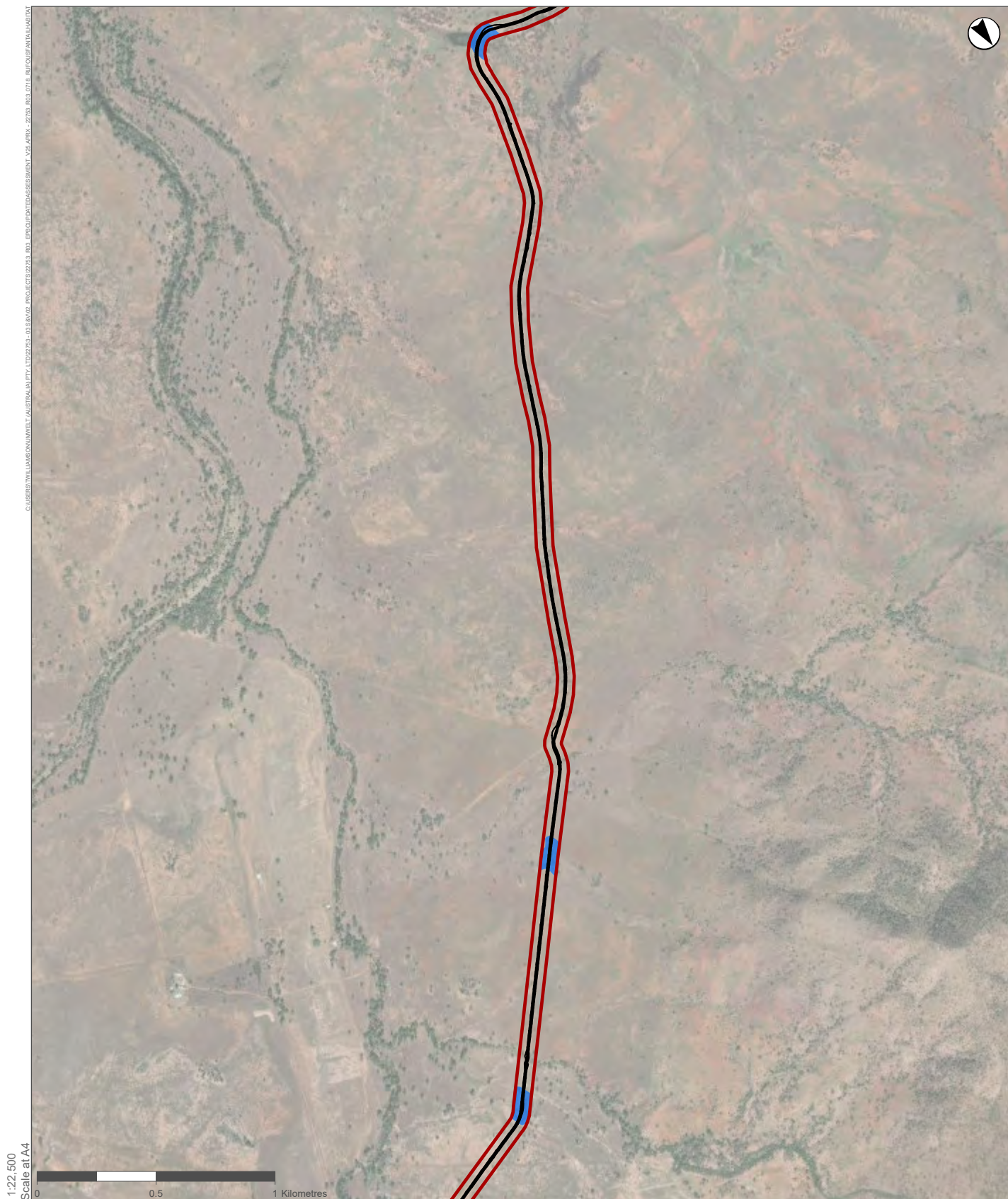


FIGURE 7.18D
RUFIOUS FANTAIL HABITAT



GDA 1994 MGA Zone 56

Legend

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

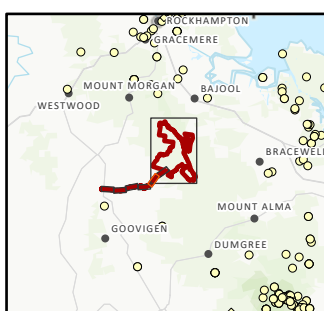


FIGURE 7.18E
RUFIOUS FANTAIL HABITAT



Legend

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

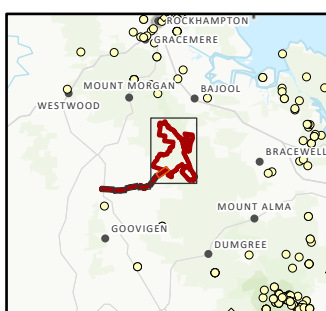
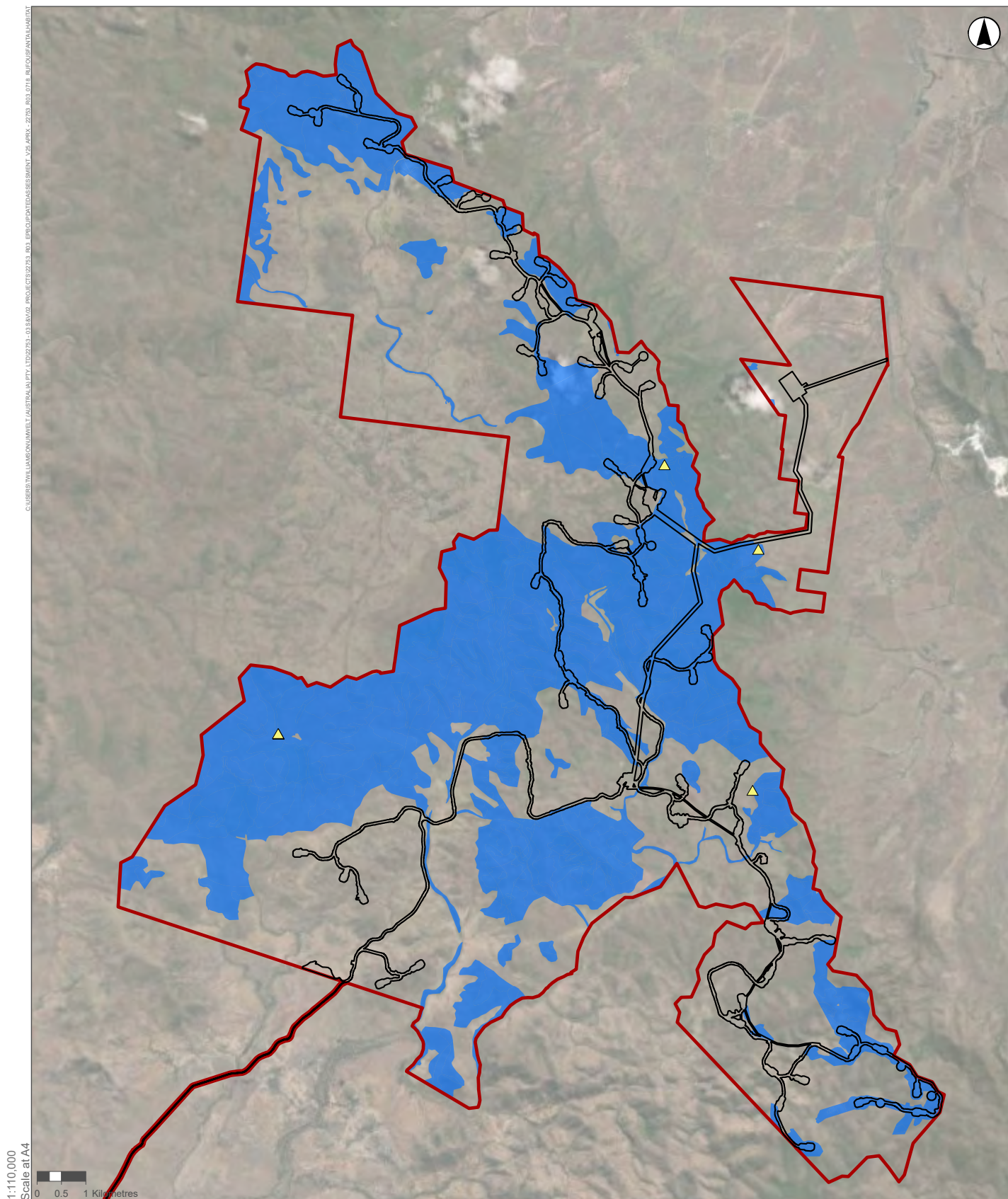


FIGURE 7.18F

RUFIOUS FANTAIL HABITAT



1:110,000
Scale at A4

0 0.5 1 Kilometres

GDA 1994 MGA Zone 56

Legend

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

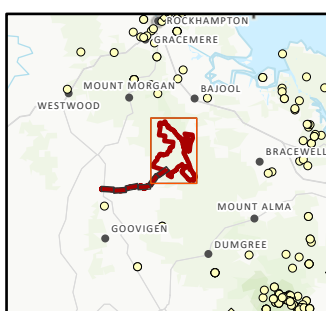
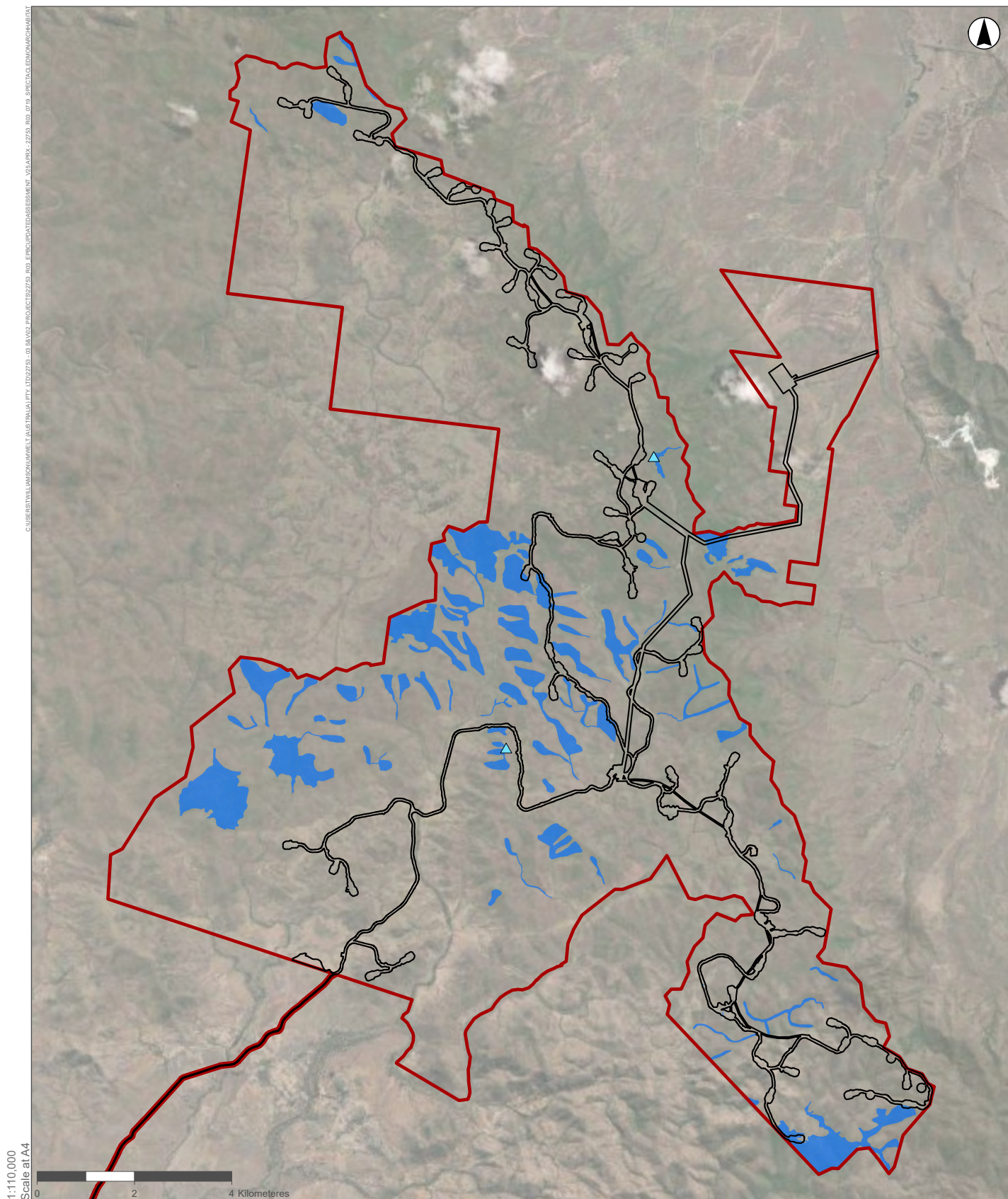


FIGURE 7.18G
RUFIOUS FANTAIL HABITAT



Legend

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

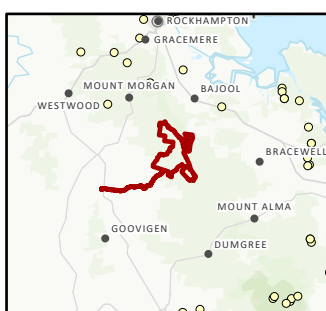


FIGURE 7.19

SPECTACLED MONARCH HABITAT



Legend

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

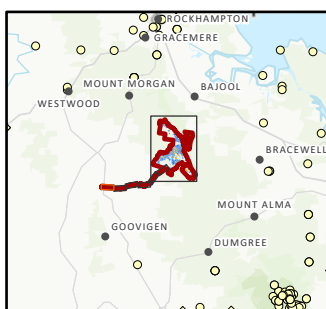


FIGURE 7.20A
BLACK-FACED MONARCH
POTENTIAL HABITAT



Legend

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

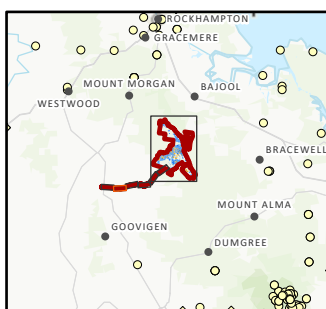
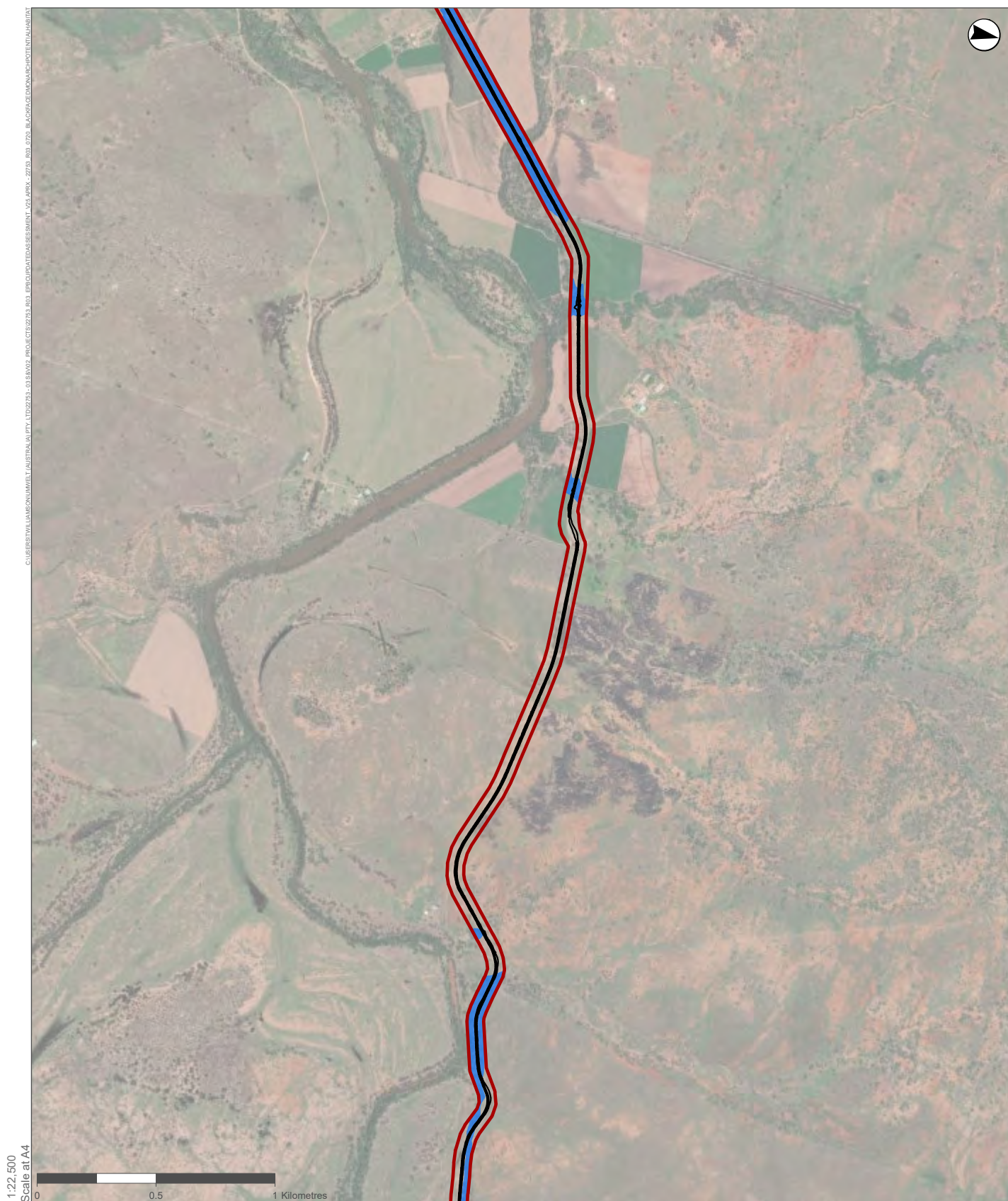


FIGURE 7.20B
BLACK-FACED MONARCH
POTENTIAL HABITAT



Legend

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

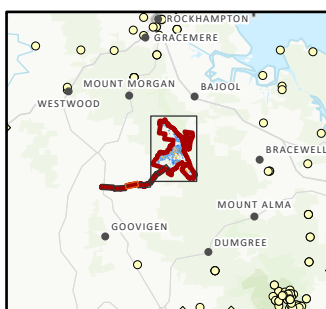


FIGURE 7.20C
BLACK-FACED MONARCH
POTENTIAL HABITAT



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

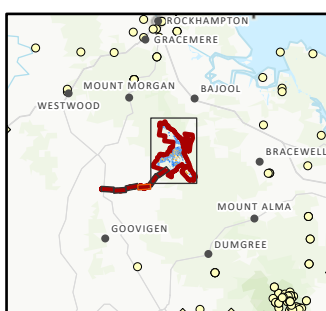


FIGURE 7.20D
BLACK-FACED MONARCH
POTENTIAL HABITAT



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

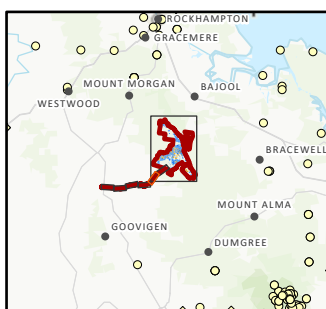


FIGURE 7.20E
BLACK-FACED MONARCH
POTENTIAL HABITAT



Legend

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

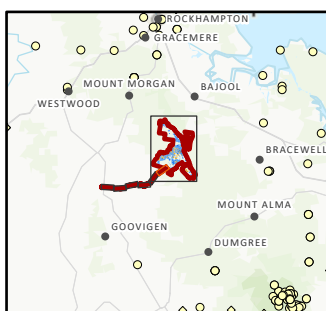
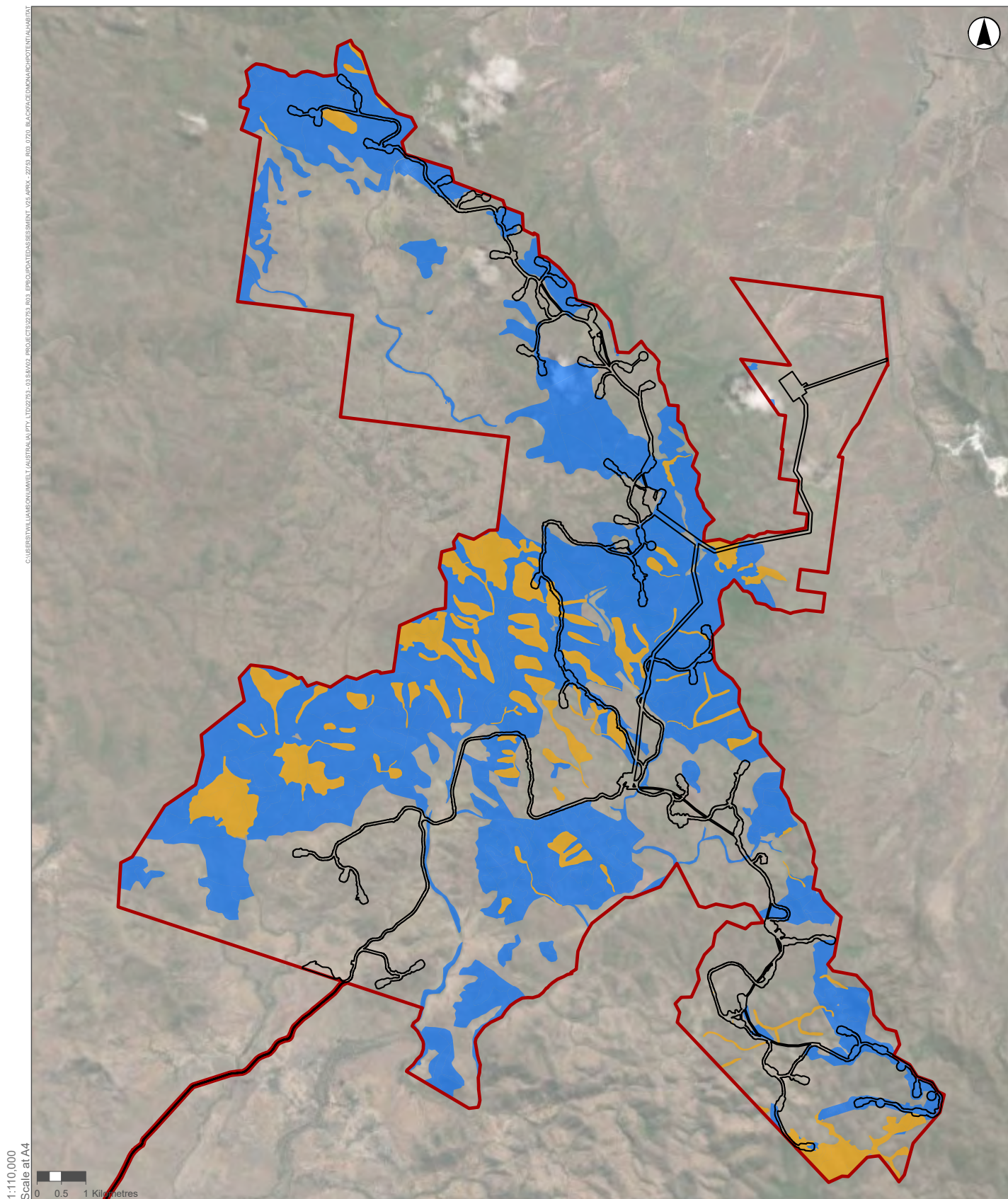


FIGURE 7.20F
BLACK-FACED MONARCH
POTENTIAL HABITAT



Legend

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

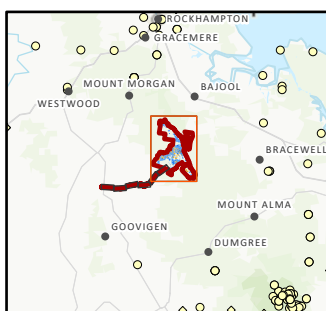


FIGURE 7.20G
BLACK-FACED MONARCH
POTENTIAL HABITAT

