Map 5

Partridge Pigeon
E1
C
E1

Partridge Pigeon
Partridge Pigeon
C
E1
E1

0 250 500 750 1,000 m

Map 6

1.8 ha
Partridge Pigeon
Partridge Pigeon
E2
Partridge Pigeon

1.1 ha
W2a
W1a
W2c
111 ha
W1a
W2c
W2c
W3a
W2c
Black-footed Tree-rat
Pale Field-rat
C
Merten's Water Monitor
W2a
C
W2b
W2c
19.1 ha
Black-footed Tree-rat

Partridge Pigeon
Partridge Pigeon
Partridge Pigeon
E5
Partridge Pigeon
W2c

0 250 500 750 1,000 m

Map 7

E1
E1
C
E1

0 250 500 750 1,000

Map 8

1.1 ha
E4

C
7.6 ha
5.3 ha
57 ha
Northern Brushtail Possum
E2
Black-footed Tree-rat
7.9 ha
Partridge Pigeon
4.6 ha
C
7.7 ha

0 250 500 750 1,000 m

Avoidance buffer recommendations and proposed gravel pit areas (Maps 5-8)

Key

- Level 1 avoidance recommendations
- Level 2 avoidance recommendations
- Map areas
- Potential gravel pit survey area
- Proposed gravel pit area
- Existing bores 100 m buffer
- Water points 100 m buffer
- Road realignment
- Typhonium jonesii
- Typhonium mirabile

Vegetation communities

- E1 - E. miniata, E. tetrodonta, C. nesophila tall open forest
- E2 - C. nesophila, E. miniata tall open forest (on edge of plateau)
- E3 - E. tetrodonta and E. miniata mid sparse to open woodland
- E4 - E. miniata, E. tetrodonta tall open forest
- E5 - C. nesophila, E. miniata tall open forest (plateau lower footslopes
- E6 - E. miniata, C. nesophila, C. latifolia mid open forest
- E7a - C. bleeseri, C. nesophila mid woodland
- E7b - E. miniata, C. bleeseri mid woodland
- W1a - Pandanus spiralis mid sparse shrubland
- W1b - Grevillea pteridifolia low isolated tree over Sorghum spp. tall closed tussock grassland
- W2a - Melaleuca viridiflora and / or M. nervosa low open forest
- W2b - Lophostemon lactifluus, Melaleuca viridiflora, Buchanania obovata low woodland
- W2c - Melaleuca viridiflora +/- M. nervosa, Grevillea pteridifolia low open woodland
- W2d - Grevillea pteridifolia, G. heliosperma, Planchonia careya low open woodland
- W3a - Corymbia porrecta, Melaleuca nervosa +/- M. viridiflora, Grevillea pteridifolia low open woodland
- C - cleared
- P - Plantation

Background - ESRI Satellite

Project Name: Tiwi Islands Biodiversity Surveys (2020-030)
Client: GHD
Date: 30 June 2021
Datum: WGS84

CONNECT environmental

Avoidance buffer recommendations and proposed gravel pit areas (Maps 9-12)

Map 9

Yellow ochre site

Map 10

Map 11

Map 12

Key

- Level 1 avoidance recommendations
- Level 2 avoidance recommendations
- Threatened fauna detections (this survey)
- Threatened fauna - existing records (NT Fauna Atlas)
- Map areas
- Proposed gravel pit area
- Potential gravel pit survey area
- Existing bores 100 m buffer
- Water points 100 m buffer
- Road realignment

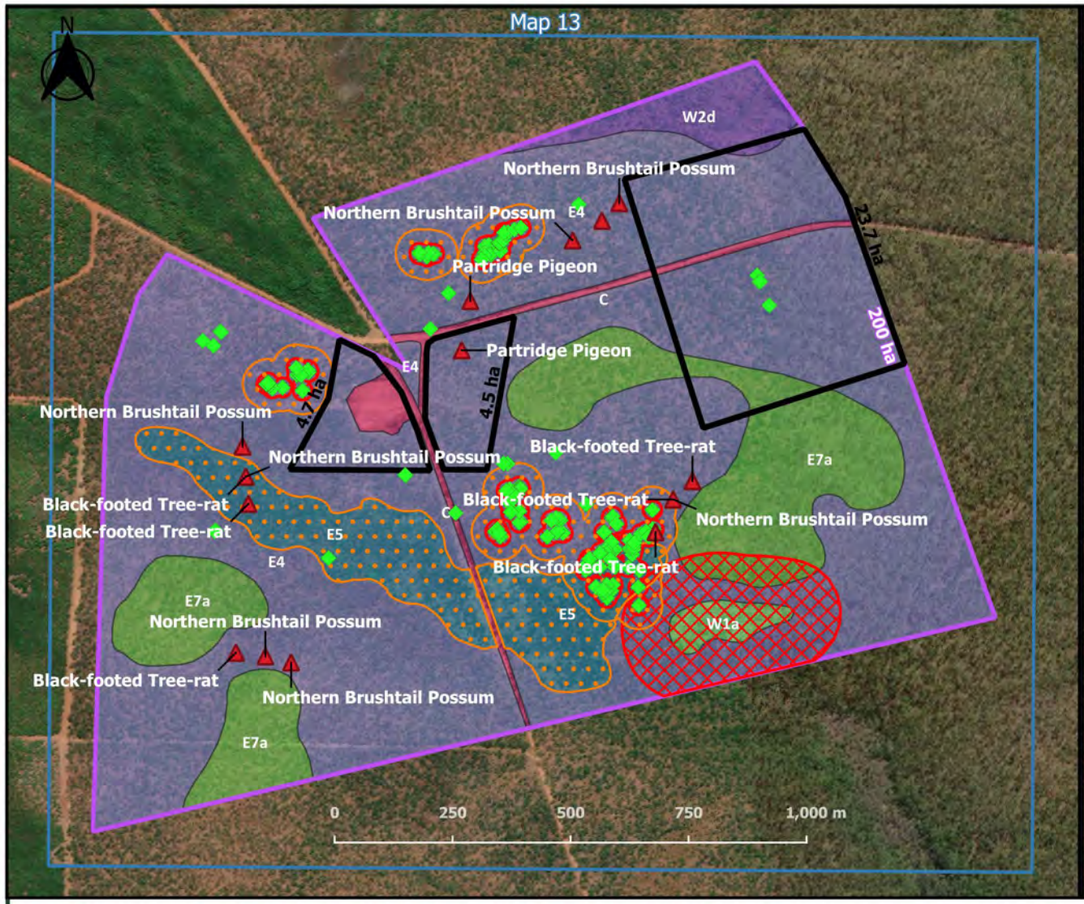
Vegetation communities

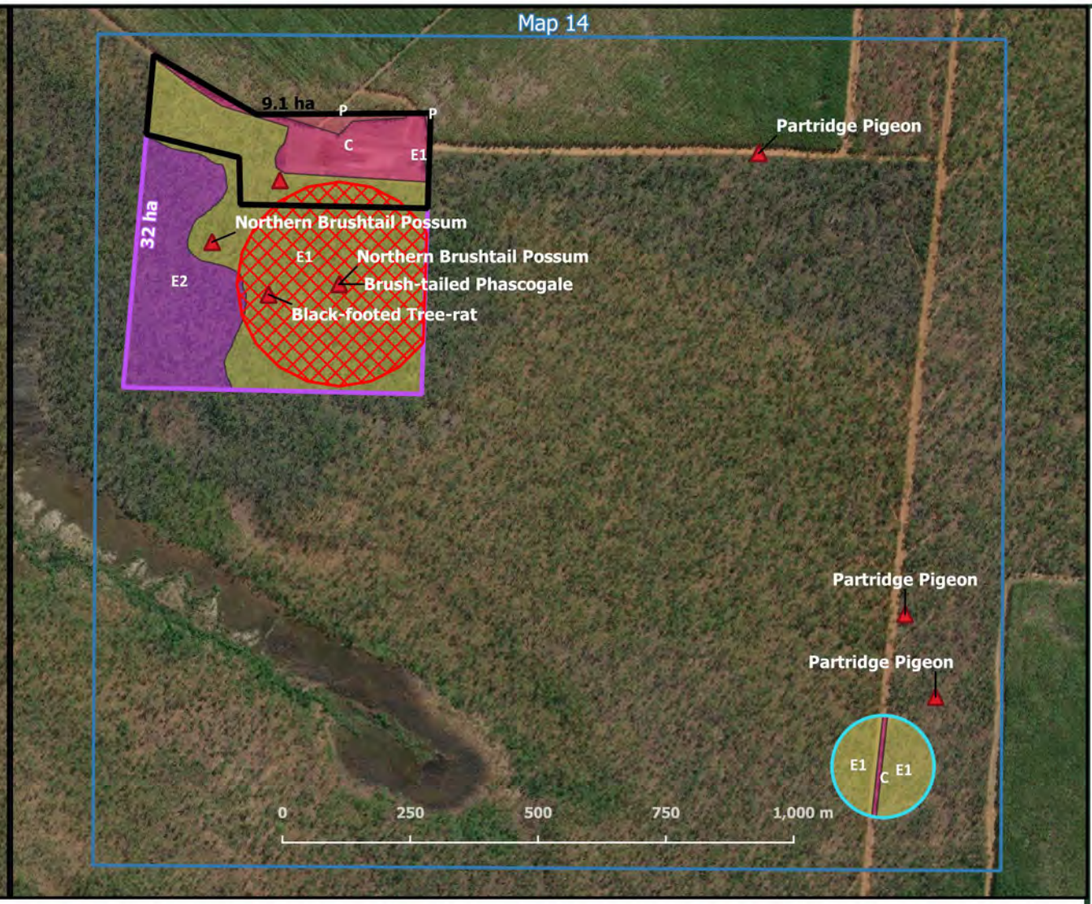
- E1 - E. miniata, E. tetrodonta, C. nesophila tall open forest
- E2 - C. nesophila, E. miniata tall open forest (on edge of plateau)
- E3 - E. tetrodonta and E. miniata mid sparse to open woodland
- E4 - E. miniata, E. tetrodonta tall open forest
- E5 - C. nesophila, E. miniata tall open forest (plateau lower footslopes
- E6 - E. miniata, C. nesophila, C. latifolia mid open forest
- E7a - C. bleeseri, C. nesophila mid woodland
- E7b - E. miniata, C. bleeseri mid woodland
- W1a - Pandanus spiralis mid sparse shrubland
- W1b - Grevillea pteridifolia low isolated tree over Sorghum spp. tall closed tussock grassland
- W2a - Melaleuca viridiflora and / or M. nervosa low open forest
- W2b - Lophostemon lactifluus, Melaleuca viridiflora, Buchanania obovata low woodland
- W2c - Melaleuca viridiflora +/- M. nervosa, Grevillea pteridifolia low open woodland
- W2d - Grevillea pteridifolia, G. heliosperma, Planchonia careya low open woodland
- W3a - Corymbia porrecta, Melaleuca nervosa +/- M. viridiflora, Grevillea pteridifolia low open woodland
- C - cleared
- P - Plantation

Background - ESRI Satellite

Project Name: Tiwi Islands Biodiversity Surveys (2020-030)
Client: GHD
Date: 19 February 2022
Datum: WGS84

CONNECT environmental





Key

- Level 1 avoidance recommendations
- Level 2 avoidance recommendations
- Map areas
- Potential gravel pit survey area
- Proposed gravel pit area
- Existing bores 100 m buffer
- Water points 100 m buffer
- Road realignment
- Typhonium jonesii
- Typhonium mirabile

Vegetation communities

- E1 - E. miniata, E. tetrodonta, C. nesophila tall open forest
- E2 - C. nesophila, E. miniata tall open forest (on edge of plateau)
- E3 - E. tetrodonta and E. miniata mid sparse to open woodland
- E4 - E. miniata, E. tetrodonta tall open forest
- E5 - C. nesophila, E. miniata tall open forest (plateau lower footslope
- E6 - E. miniata, C. nesophila, C. latifolia mid open forest
- E7a - C. bleeseri, C. nesophila mid woodland
- E7b - E. miniata, C. bleeseri mid woodland
- W1a - Pandanus spiralis mid sparse shrubland
- W1b - Grevillea pteridifolia low isolated tree over Sorghum spp. tall closed tussock grassland
- W2a - Melaleuca viridiflora and / or M. nervosa low open forest
- W2b - Lophostemon lactifluus, Melaleuca viridiflora, Buchanania obovata low woodland
- W2c - Melaleuca viridiflora +/- M. nervosa, Grevillea pteridifolia low open woodland
- W2d - Grevillea pteridifolia, G. heliosperma, Planchonia careya low open woodland
- W3a - Corymbia porrecta, Melaleuca nervosa +/- M. viridiflora, Grevillea pteridifolia low open woodland
- C - cleared
- P - Plantation

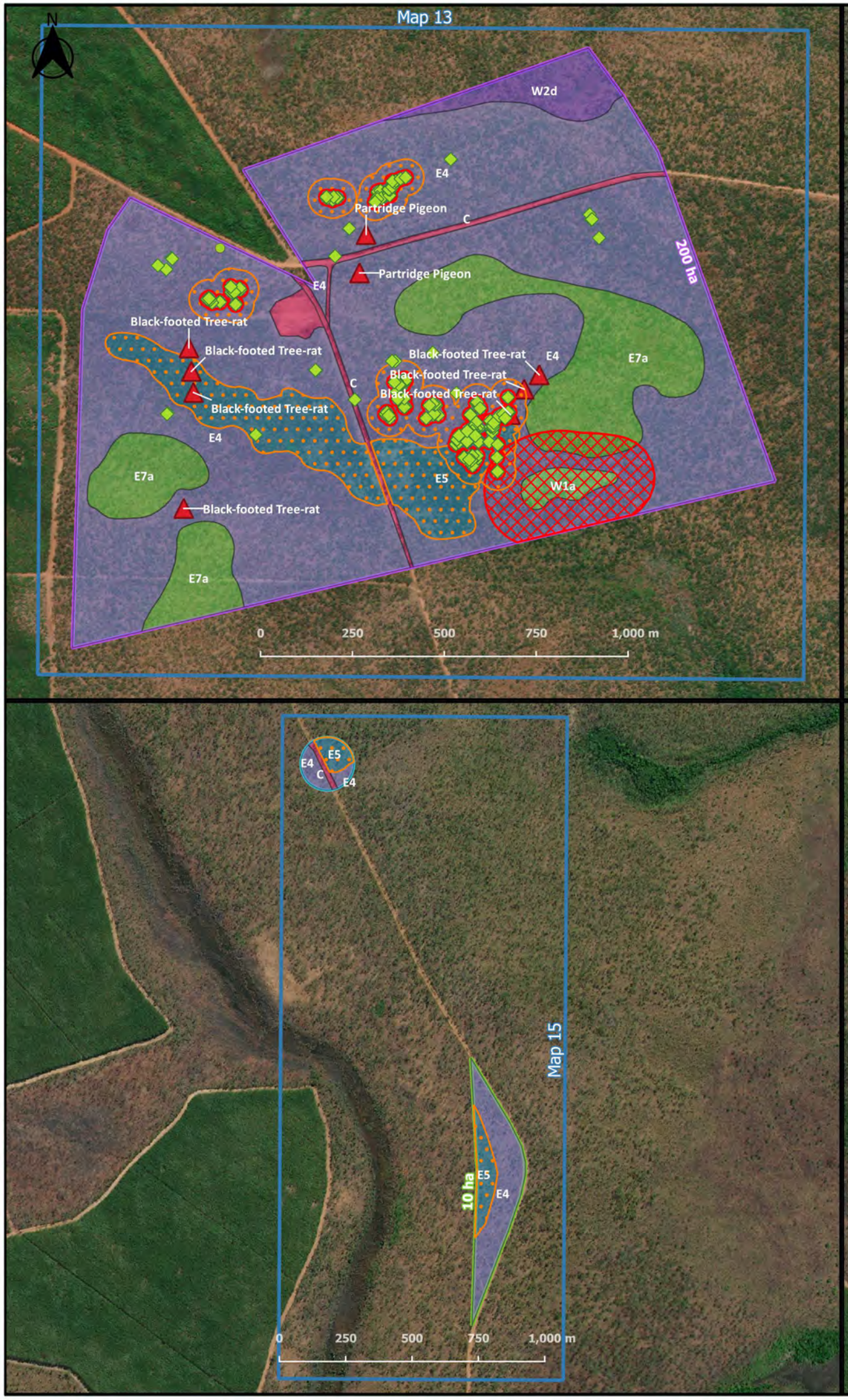
Background - ESRI Satellite

Project Name: Tiwi Islands Biodiversity Surveys (2020-030)
Client: GHD
Date: 19 October 2021
Datum: WGS84

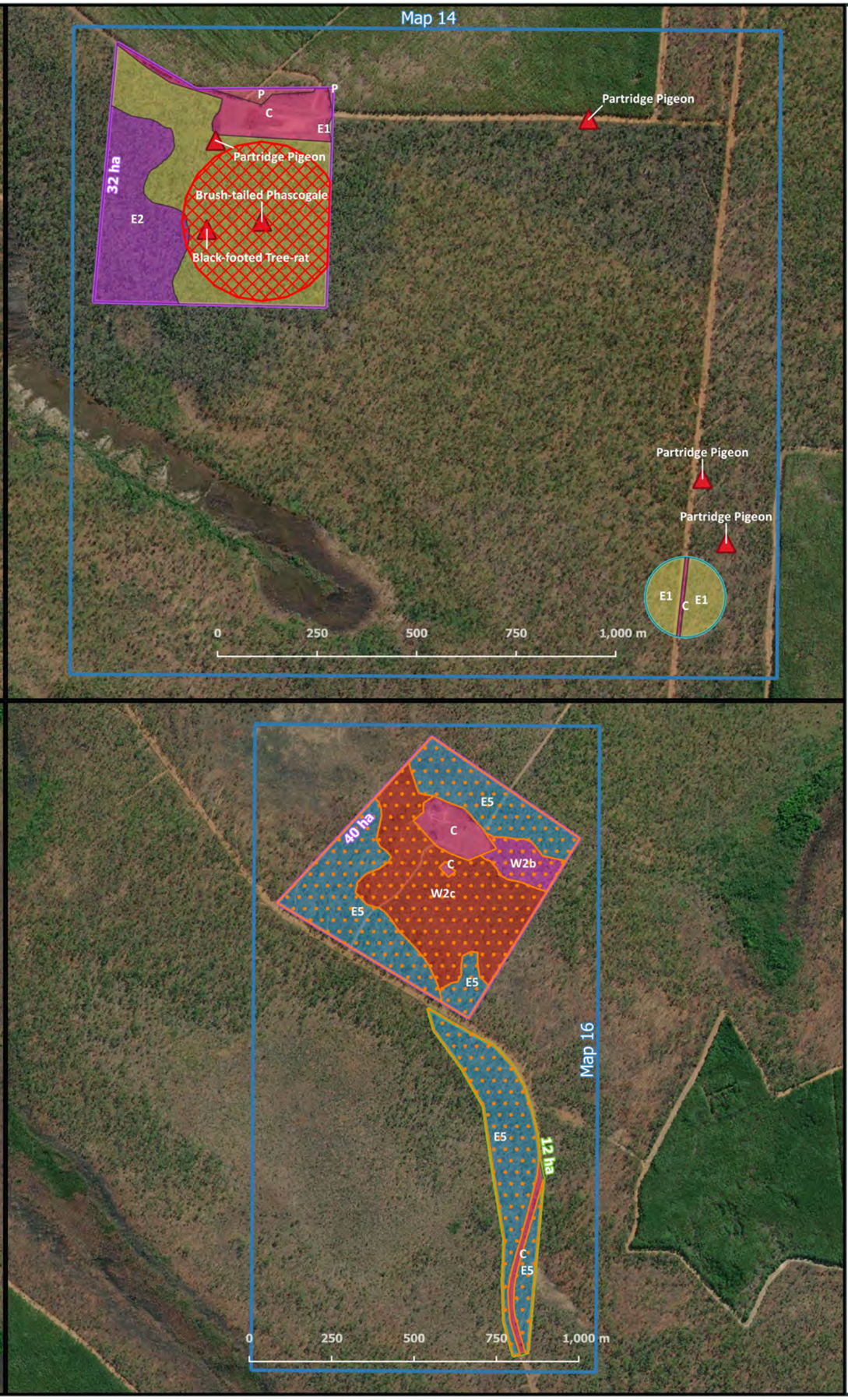
CONNECT environmental

Avoidance buffer recommendations and proposed gravel pit areas (Maps 13-14)

Map 13



Map 14



Map 15

Map 16

Avoidance buffer recommendations (Maps 13-16)

Key

- Level 1 avoidance recommendations
- Level 2 avoidance recommendations
- Map areas
- Existing bores 100 m buffer
- Water points 100 m buffer
- Gravel extraction area
- Road realignment

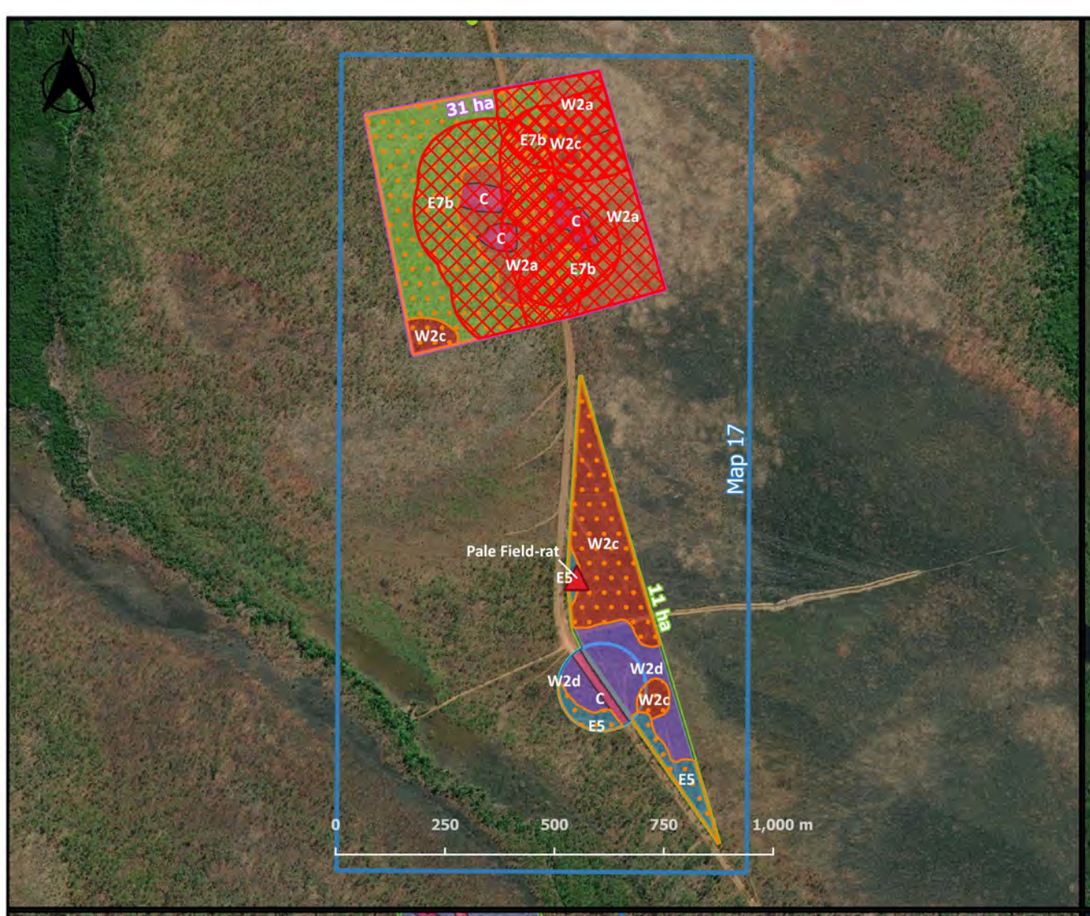
Vegetation communities

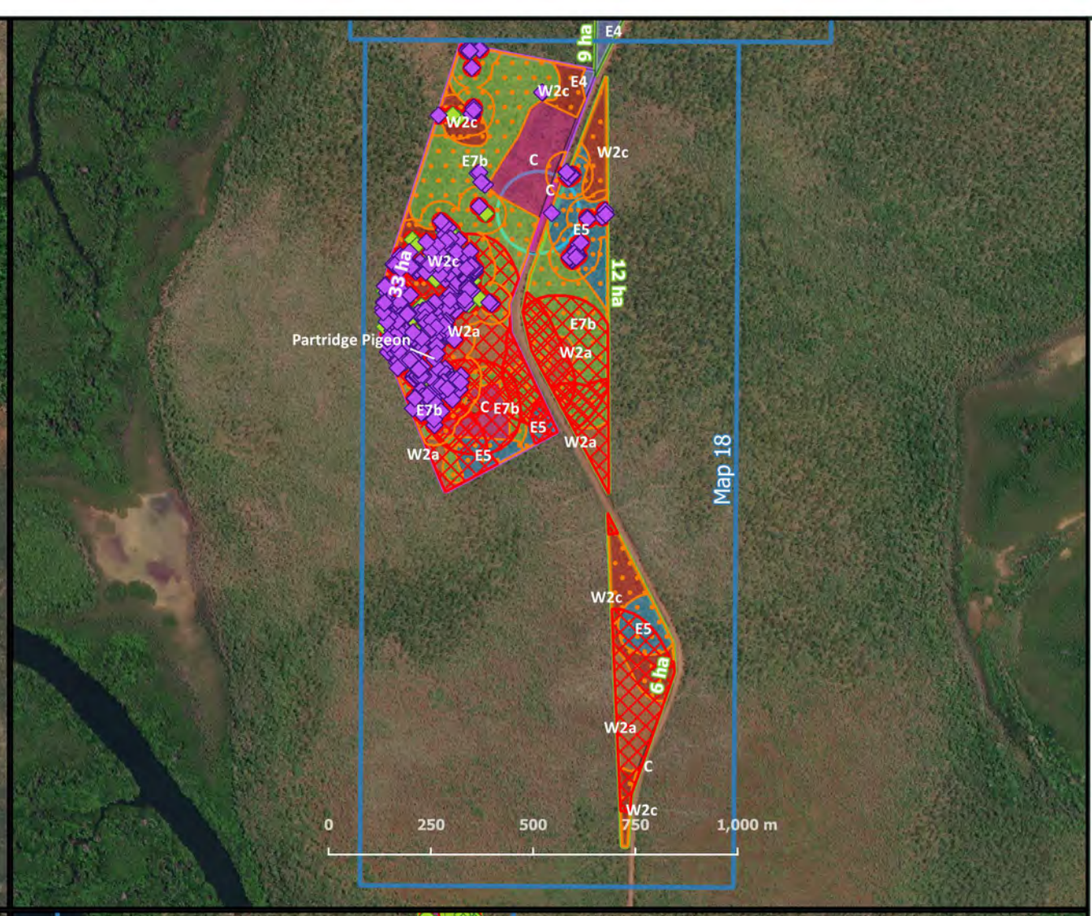
- E1 - E. miniata, E. tetrodonta, C. nesophila tall open forest
- E2 - C. nesophila, E. miniata tall open forest (on edge of plateau)
- E3 - E. tetrodonta and E. miniata mid sparse to open woodland
- E4 - E. miniata, E. tetrodonta tall open forest
- E5 - C. nesophila, E. miniata tall open forest (plateau lower footslopes
- E6 - E. miniata, C. nesophila, C. latifolia mid open forest
- E7a - C. bleeseri, C. nesophila mid woodland
- E7b - E. miniata, C. bleeseri mid woodland
- W1a - Pandanus spiralis mid sparse shrubland
- W1b - Grevillea pteridifolia low isolated tree over Sorghum spp. tall closed tussock grassland
- W2a - Melaleuca viridiflora and / or M. nervosa low open forest
- W2b - Lophostemon lactifluus, Melaleuca viridiflora, Buchanania obovata low woodland
- W2c - Melaleuca viridiflora +/- M. nervosa, Grevillea pteridifolia low open woodland
- W2d - Grevillea pteridifolia, G. heliosperma, Planchonia careya low open woodland
- W3a - Corymbia porrecta, Melaleuca nervosa +/- M. viridiflora, Grevillea pteridifolia low open woodland
- C - cleared
- P - Plantation

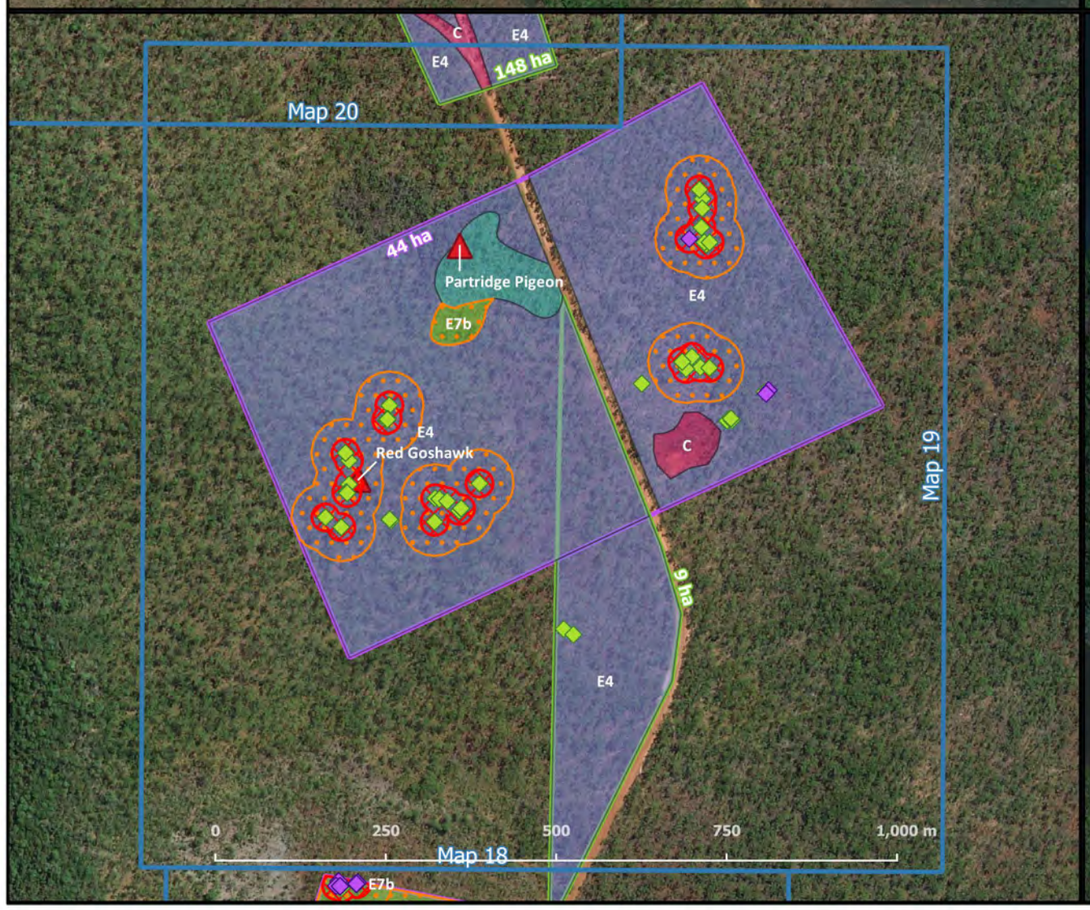
Background - ESRI Satellite

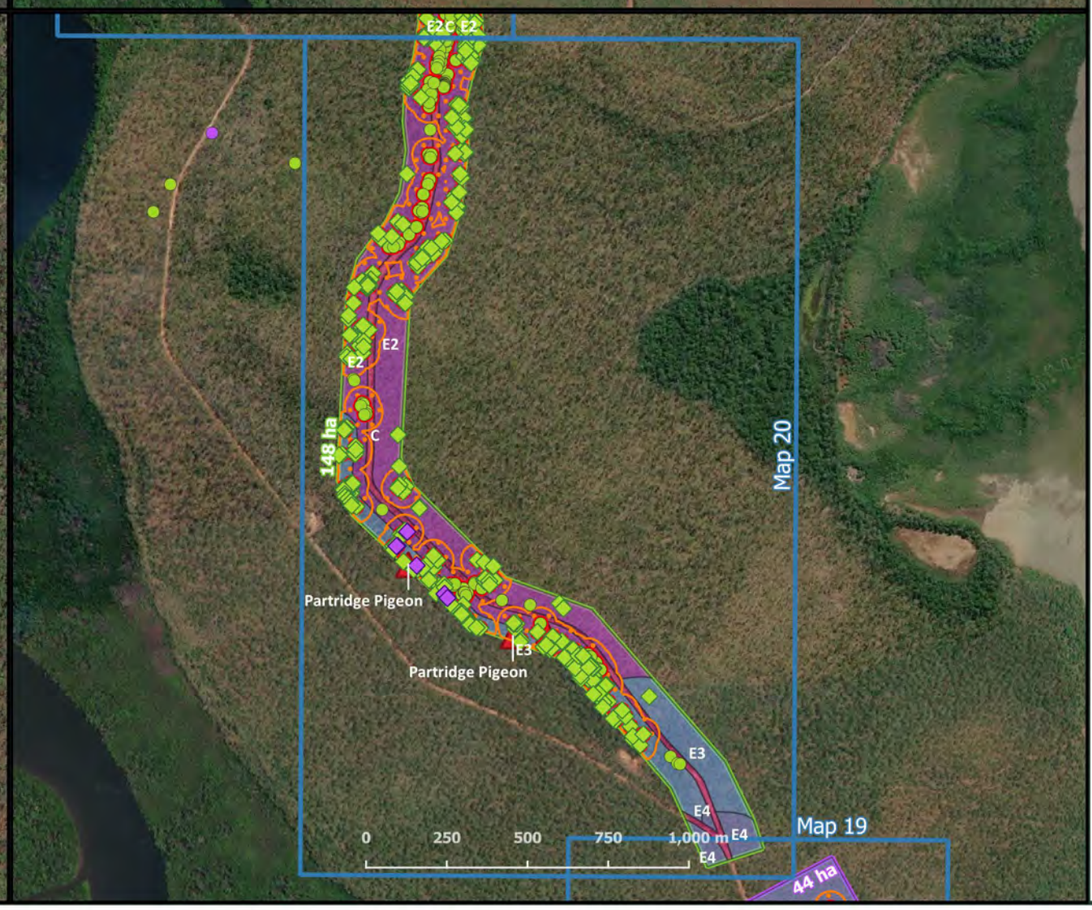
Project Name: Tiwi Islands Biodiversity Surveys (2020-030)
Client: GHD
Date: 30 June 2021
Datum: WGS84

CONNECT environmental









Avoidance buffer recommendations (Maps 17-20)

Key

- Level 1 avoidance recommendations
- Level 2 avoidance recommendations
- Map areas
- Existing bores 100 m buffer
- Water points 100 m buffer
- Gravel extraction area
- Road realignment

Vegetation communities

- E1 - E. miniata, E. tetrodonta, C. nesophila tall open forest
- E2 - C. nesophila, E. miniata tall open forest (on edge of plateau)
- E3 - E. tetrodonta and E. miniata mid sparse to open woodland
- E4 - E. miniata, E. tetrodonta tall open forest
- E5 - C. nesophila, E. miniata tall open forest (plateau lower footslope
- E6 - E. miniata, C. nesophila, C. latifolia mid open forest
- E7a - C. bleeseri, C. nesophila mid woodland
- E7b - E. miniata, C. bleeseri mid woodland
- W1a - Pandanus spiralis mid sparse shrubland
- W1b - Grevillea pteridifolia low isolated tree over Sorghum spp. tall closed tussock grassland
- W2a - Melaleuca viridiflora and / or M. nervosa low open forest
- W2b - Lophostemon lactifluus, Melaleuca viridiflora, Buchanania obovata low woodland
- W2c - Melaleuca viridiflora +/- M. nervosa, Grevillea pteridifolia low open woodland
- W2d - Grevillea pteridifolia, G. heliosperma, Planchonia careya low open woodland
- W3a - Corymbia porrecta, Melaleuca nervosa +/- M. viridiflora, Grevillea pteridifolia low open woodland
- C - cleared
- P - Plantation

Background - ESRI Satellite

Project Name: Tiwi Islands Biodiversity Surveys (2020-030)
Client: GHD
Date: 30 June 2021
Datum: WGS84

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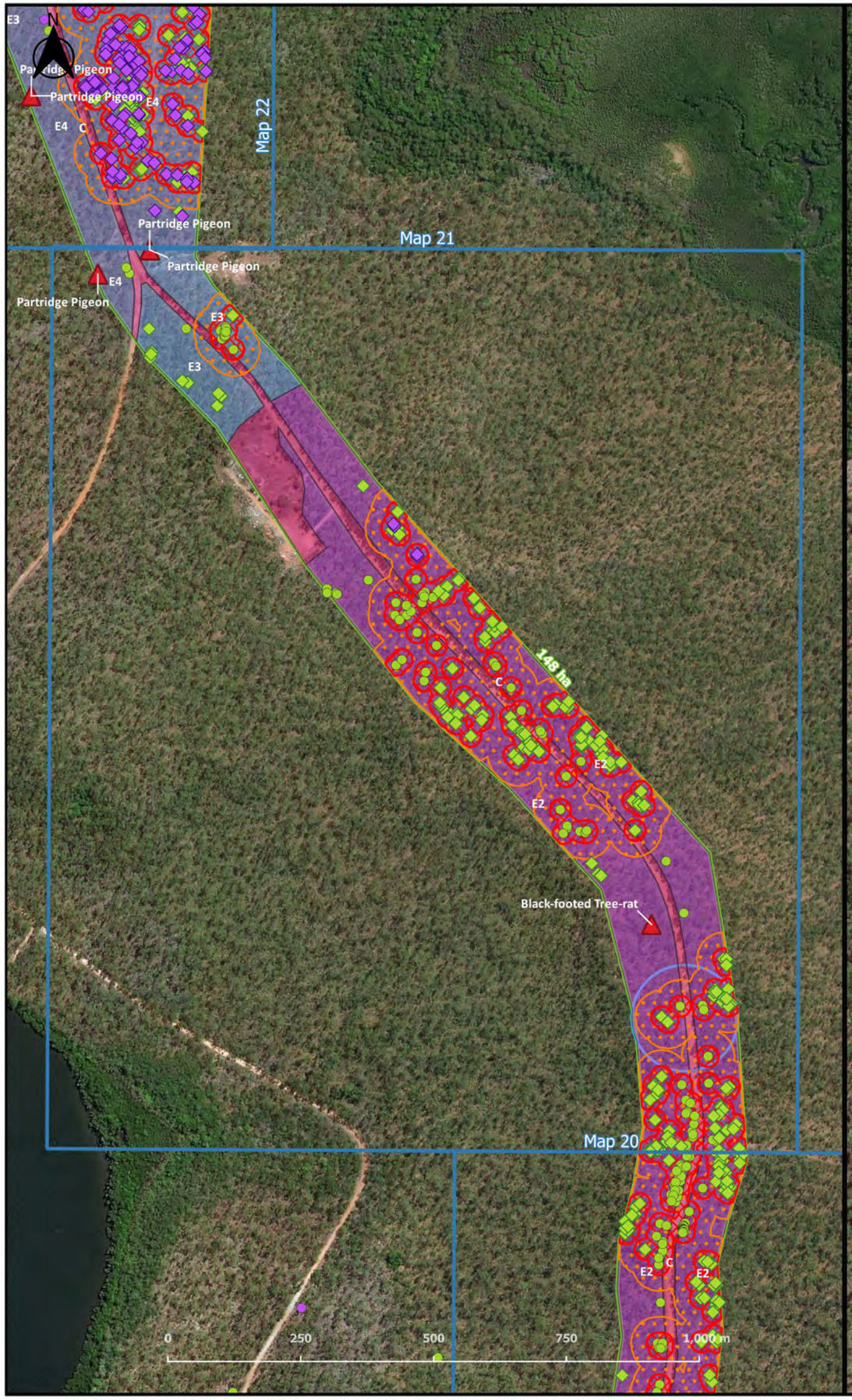

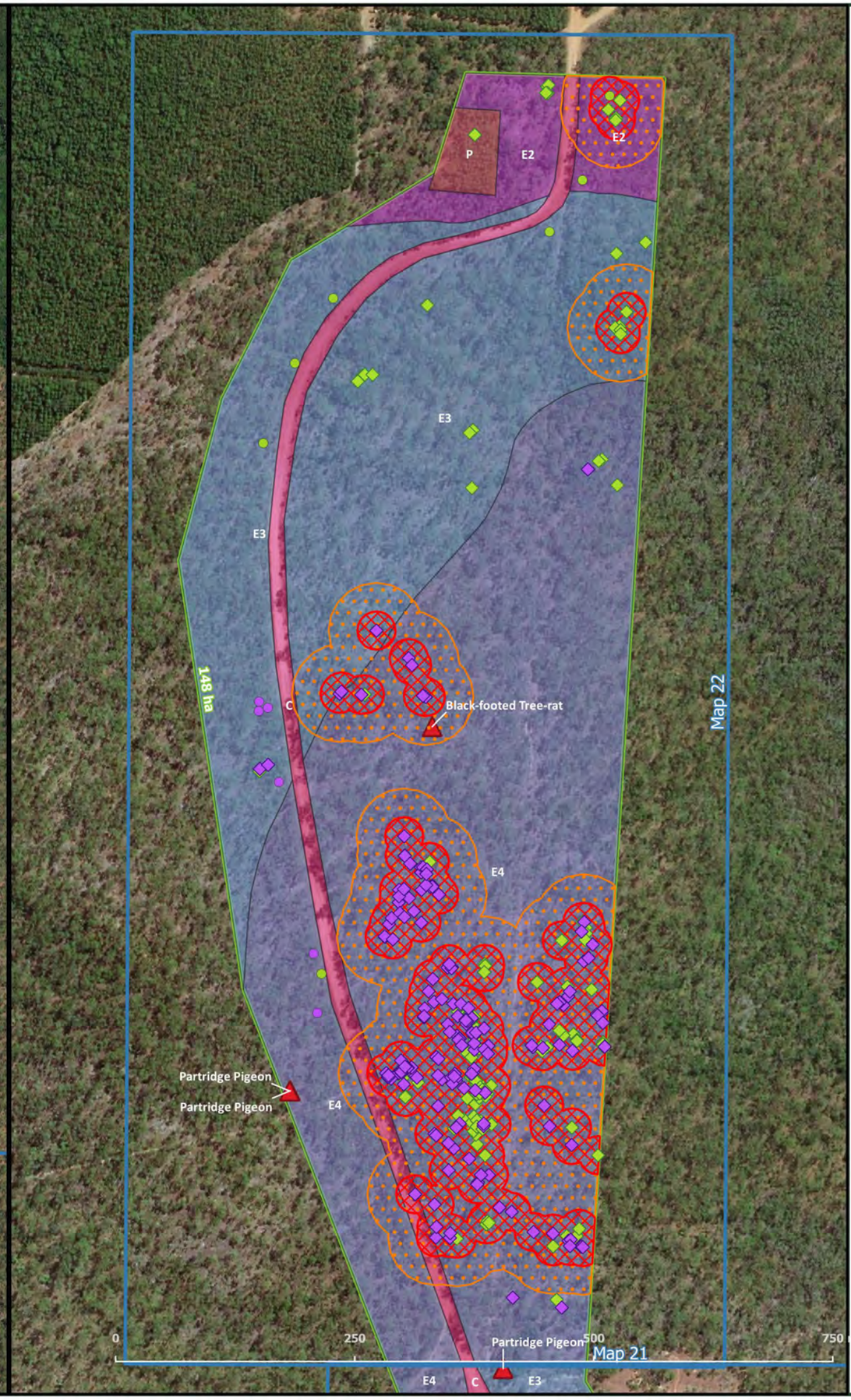

Avoidance buffer recommendations (Maps 21-22)

Key

- Level 1 avoidance recommendations
- Level 2 avoidance recommendations
- Map areas
- Existing bores 100 m buffer
- Water points 100 m buffer
- Gravel extraction area
- Road realignment

Vegetation communities

- E1 - E. miniata, E. tetrodonta, C. nesophila tall open forest
- E2 - C. nesophila, E. miniata tall open forest (on edge of plateau)
- E3 - E. tetrodonta and E. miniata mid sparse to open woodland
- E4 - E. miniata, E. tetrodonta tall open forest
- E5 - C. nesophila, E. miniata tall open forest (plateau lower footslopes
- E6 - E. miniata, C. nesophila, C. latifolia mid open forest
- E7a - C. bleeseri, C. nesophila mid woodland
- E7b - E. miniata, C. bleeseri mid woodland
- W1a - Pandanus spiralis mid sparse shrubland
- W1b - Grevillea pteridifolia low isolated tree over Sorghum spp. tall closed tussock grassland
- W2a - Melaleuca viridiflora and / or M. nervosa low open forest
- W2b - Lophostemon lactifluus, Melaleuca viridiflora, Buchanania obovata low woodland
- W2c - Melaleuca viridiflora +/- M. nervosa, Grevillea pteridifolia low open woodland
- W2d - Grevillea pteridifolia, G. heliosperma, Planchonia careya low open woodland
- W3a - Corymbia porrecta, Melaleuca nervosa +/- M. viridiflora, Grevillea pteridifolia low open woodland
- C - cleared
- P - Plantation

Background - ESRI Satellite

Project Name: Tiwi Islands Biodiversity Surveys (2020-030)
Client: GHD
Date: 30 June 2021
Datum: WGS84

CONNECT environmental