

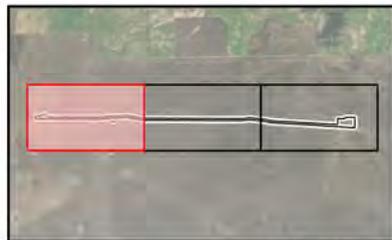
**Legend**

 Survey Footprint

**Vegetation condition**

 Excellent

 Cleared



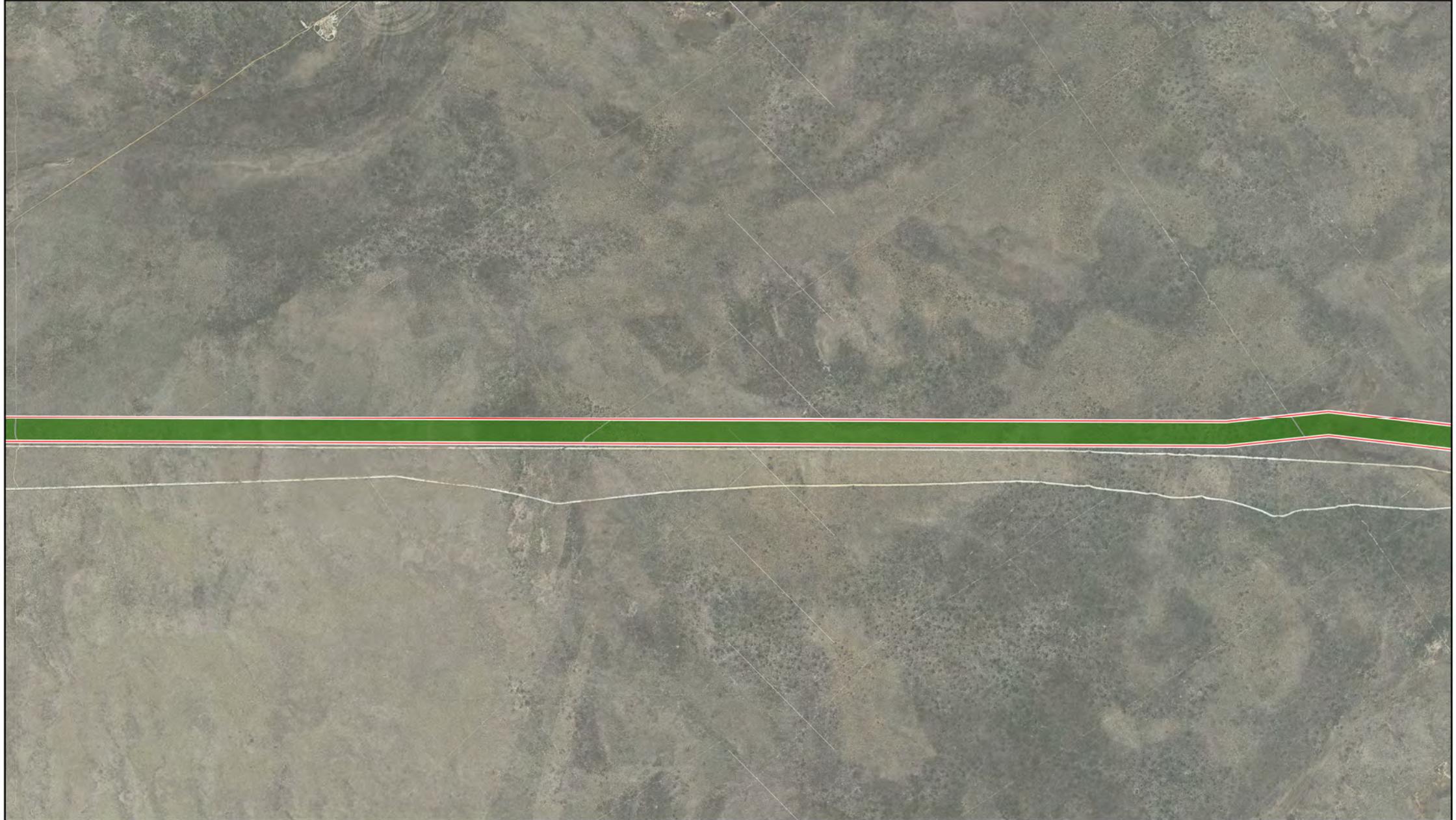
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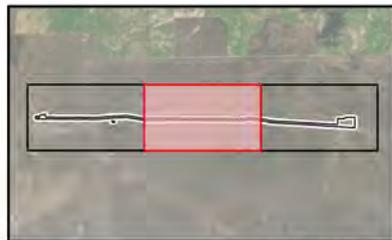
  
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**Legend**

 Survey Footprint	<b>Vegetation condition</b>
	 Excellent
	 Cleared



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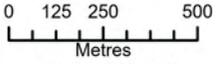
  
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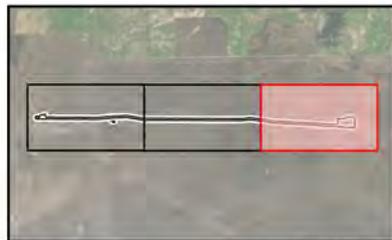


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### 3.3 Fauna survey

#### 3.3.1 Fauna habitat

Three fauna habitats were delineated and mapped within the survey area (**Table 13; Figure 12**), covering a total of 212.2 ha (98.40% of the survey area). Photos of the fauna habitats are provided in **Appendix J**.

**Table 13: Fauna habitats recorded within the survey area**

Fauna habitat	Fauna habitat description	Extent within the survey area (ha)	Proportion of the survey area (%)
Fauna habitat 1	<i>Allocasuarina campestris</i> tall sparse shrubland over shrubs and sedgeland on sandy plains	72.2	34.02
Fauna habitat 2	<i>Banksia</i> spp. and occasional <i>Eucalyptus todtiana</i> mid open woodland over shrubs and sedgeland on sandy plains	95.2	44.86
Fauna habitat 3	<i>Allocasuarina campestris</i> tall sparse shrubland over shrubs and sedgeland on stony rises	41.4	19.51
Cleared	-	3.4	1.60
<b>TOTAL</b>		<b>212.2</b>	<b>100</b>

There are no significant habitat features present within any of the three fauna habitats. As outlined in Section 3.2.6, a recent prescribed burn occurred in April 2019 across the survey area.

#### 3.3.2 Fauna overview

A total of 35 fauna species (31 native and four introduced) were recorded within the survey area. This number comprised 28 bird species, five mammal species and two reptile species. Bird species were predominantly observed where a definitive canopy was present and vegetation cover was thickest. Evidence of mammal species (scats, tracks) was observed across the survey area, with no specific habitat preferences observed. The Spotted Military Dragon (*Ctenophorus maculatus* subsp. *maculatus*) were observed throughout the survey area.

Evidence of introduced fauna species (mainly scats and tracks) within the survey area included Cattle (*Bos taurus*), Domestic Dog (*Canis lupus familiaris*), Goat (*Capra hircus*) and European Rabbit (*Oryctolagus cuniculus*). A fauna species list is provided in **Appendix J**.

#### 3.3.3 Conservation significant fauna

No direct (observations) or indirect (scats, tracks, diggings) evidence of conservation significant fauna species were recorded within the survey area from the current field survey. No evidence of the targeted species, Carnaby's Cockatoo (*Calyptorhynchus latirostris*) and Malleefowl (*Leipoa ocellata*), were recorded within the survey area.

Of the 46 fauna species identified from the desktop assessment as possibly occurring within the survey area, four species were considered having the potential to occur, based on the species habitat preferences and proximity of records to the survey area; Carnaby's Cockatoo (*Calyptorhynchus latirostris*; listed as EN under the EPBC Act and BC Act), Fork-tailed Swift (*Apus pacificus*; listed as MI under the EPBC Act and BC Act), Grey Falcon (*Falco hypoleucos*; listed as VU under the BC Act) and

Peregrine Falcon (*Falco peregrinus*; listed as OS under the BC Act). The remaining 42 species were considered unlikely to occur (Appendix D). The survey area is in the non-breeding range of the Carnaby's Cockatoo, however the survey area potentially provides low quality foraging habitat (discussed further in Section 4.3).

### 3.3.4 Black cockatoo habitat assessment

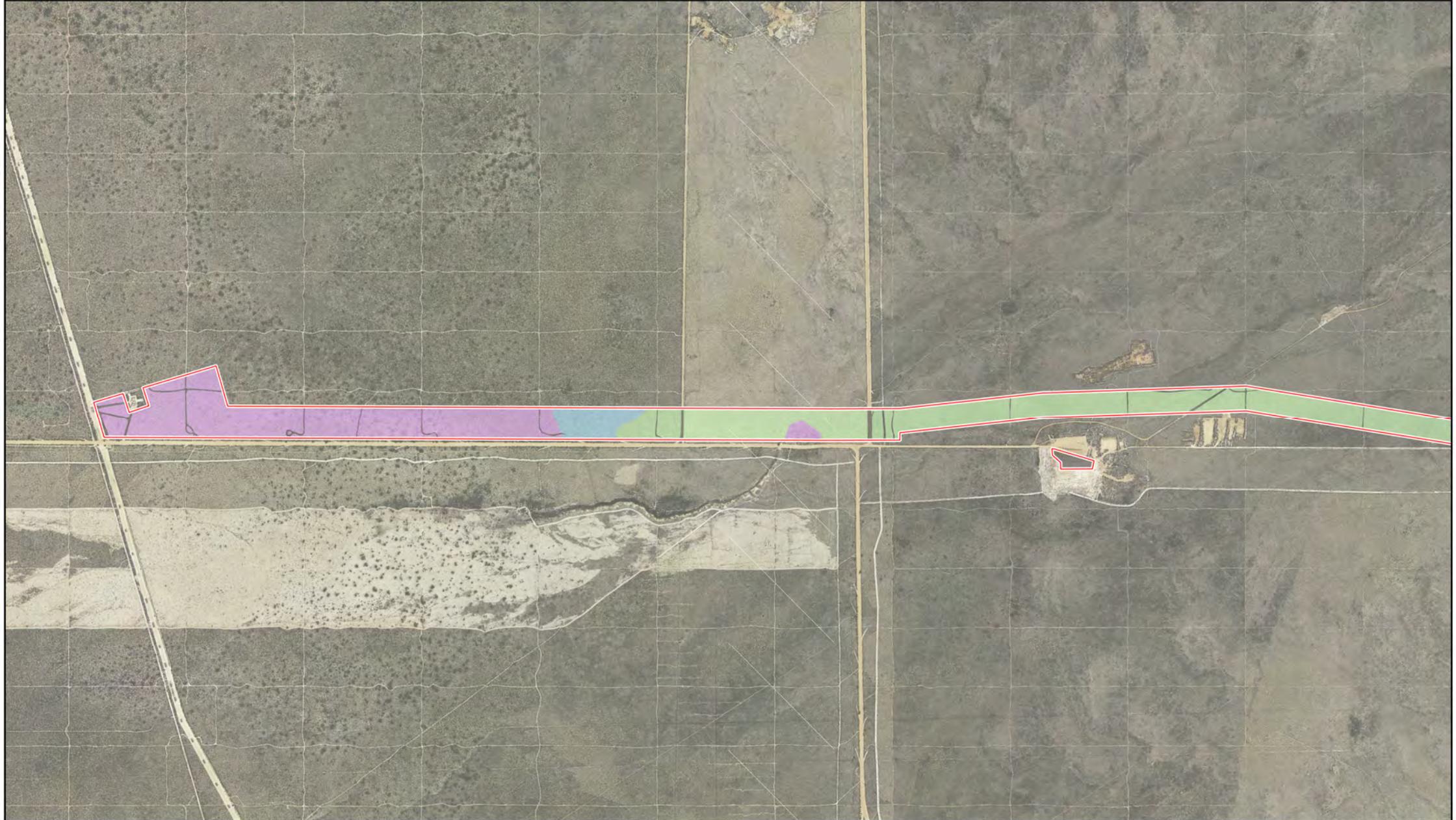
No individuals of Carnaby's Cockatoo were recorded within the survey area. No potential or confirmed breeding or roosting trees were recorded as occurring within the survey area.

A total of 95.2 ha (44.86% of the survey area) is considered as providing 'Low' quality foraging habitat for Carnaby's Cockatoo; namely Fauna habitat 2: *Banksia* spp. and occasional *Eucalyptus todtiana* mid open woodland over shrubs and sedgeland on sandy plains (refer to **Table 3** above for definitions of black cockatoo foraging habitat quality; Figure 13). This habitat provides suitable foraging species (*Banksia* spp. and *Hakea* spp.) at a low density (<10%) across Fauna habitat 2. This was determined by field observations and utilising the Detailed flora and vegetation survey results.

The remaining vegetated areas (113.6 ha, 53.53%) are considered as providing 'Negligible' quality foraging habitat of Carnaby's Cockatoo; namely Fauna habitat 1: *Allocasuarina campestris* tall sparse shrubland over shrubs and sedgeland on sandy plains, and Fauna habitat 3: *Allocasuarina campestris* tall sparse shrubland over shrubs and sedgeland on stony rises. These habitat types provide some scattered foraging species but at very low density (<2%). Cleared areas (3.4 ha, 1.6%) provide 'Nil' quality foraging habitat for black cockatoo species. No foraging evidence was observed within the survey area.

### 3.3.5 Malleefowl survey

No individuals of Malleefowl or their mounds were recorded within the survey area. This species was considered to be unlikely to occur (see Appendix D) as the habitat within the survey area is not suitable for the species due to the lack of leaf litter and thicker vegetation. The survey area has also been recently burnt.



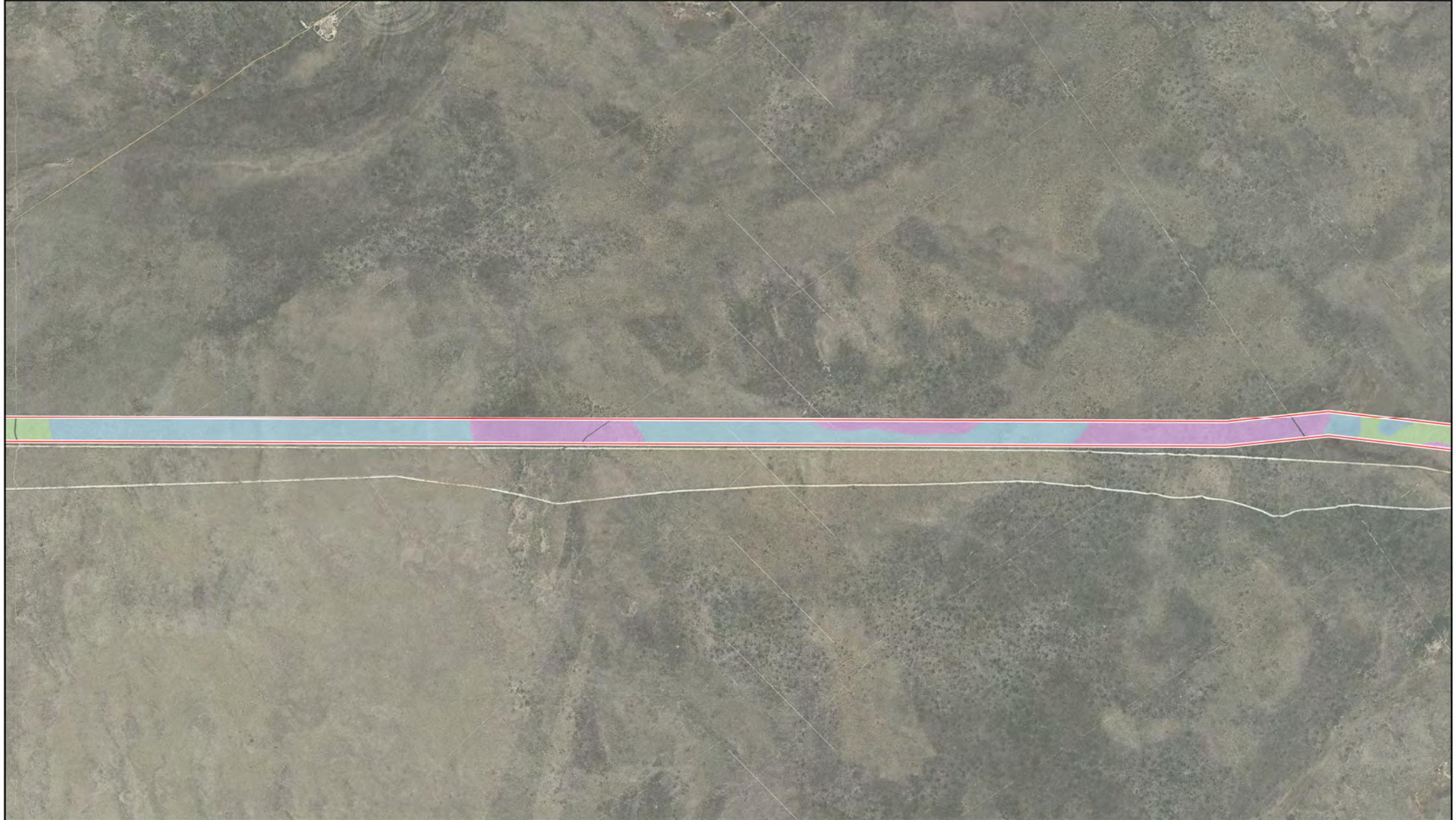
**Legend**

- Survey Footprint
- Fauna Habitat**
  - Fauna Habitat 1: *Allocasuarina campestris* tall sparse shrubland over shrubs and sedgeland on sandy plains
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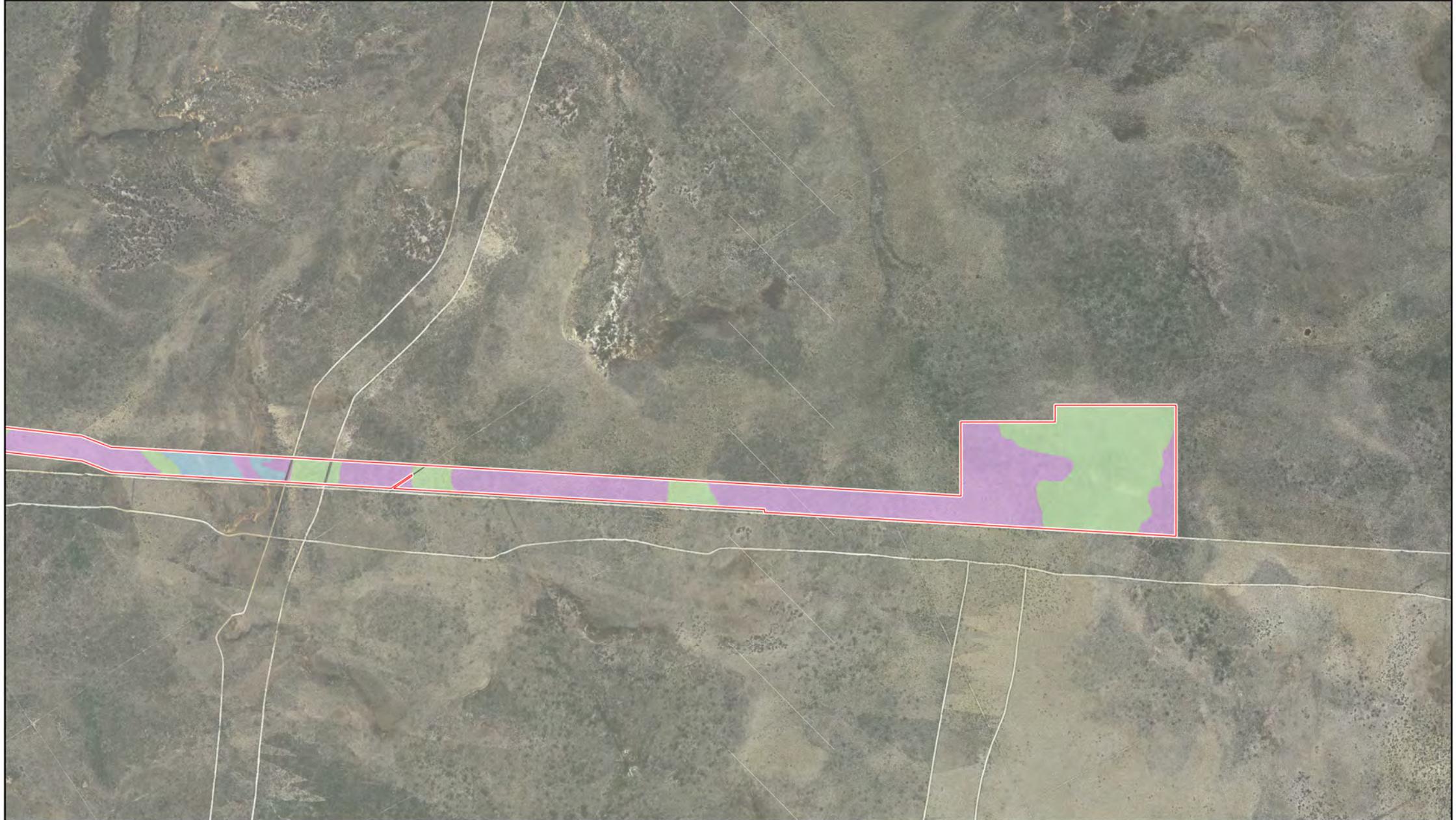


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