

**Table 1 - Information**

Item	Detail
Ecologist / Fauna Spotter(s) Completing Pre-Clearance Survey	Name: Estelle Kayler-Thomson, Justine On, Madeleine Cicchelli, and Dinithi Koswatta-Gamage Qualification: Ecologists
Date of Pre-Clearance Survey	15-07-2023 – 17-07-2023
Specific Pre-Clearance Survey Location (Line No./ Tower / Span No.)	L5 Dinawan Substation + Camp 3
Scope Methodology	Desktop review of vegetation mapping for nominated area In field visual inspection by ecologists of the proposed disturbance area.
Work Package ID	L5 Ecology – Pre-clearance surveys

**Table 2 – Pre-Clearance Survey Details**

Infrastructure Surveyed				
Tower Footprint	<input type="checkbox"/>	Centreline	<input type="checkbox"/>	
Break and Winch Site	<input type="checkbox"/>	Parking Areas	<input type="checkbox"/>	
Access Track (existing)	<input type="checkbox"/>	Access Track (new)	<input type="checkbox"/>	
Disturbance Area B	<input type="checkbox"/>	Other	<input checked="" type="checkbox"/>	
Details of Other:	Dinawan Substation + Camp 3 Laydown Areas			
Protected Matters				
Item	Presence Identified		Quantum to Clear (Ha)	Comments
	Yes	No		
White Box-Yellow Box-Blakely's Red Gum Grassy Woodland and Derived Native Grassland <sup>12</sup>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Grey Box ( <i>Eucalyptus microcarpa</i> ) Grassy Woodlands and Derived Native Grasslands of South-eastern Australia <sup>12</sup>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Weeping Myall Woodlands <sup>12</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0.145Ha (Substation Boundary) 0.076Ha (Camp Laydown Area) 0.01Ha (Access Track)	EPBC Act Threatened Ecological Community Quantum including Access Track 5118 – 5119 within Substation Boundary, Substation, and Camp Laydown Area.
Natural Grasslands of the Murray Valley Plains <sup>12</sup>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Buloke Woodlands of the Riverina and Murray-Darling Depression Bioregions <sup>2</sup>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Mallee Bird Community of the Murray Darling Depression Bioregion <sup>2</sup>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

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Plains mallee box woodland of the Murray Darling Depression, Riverina and Naracoorte Coastal Plains bioregions <sup>2</sup>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Seasonal Herbaceous Wetlands (Freshwater) of the Temperate Lowland Plains <sup>2</sup>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Habitat for A spear-grass ( <i>austrostipa metatoris</i> ) <sup>2</sup>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Habitat for A spear-grass ( <i>austrostipa wakoolica</i> ) <sup>2</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5.08 (Substation Boundary)	Habitat mapped
Habitat for Mossgiel Daisy <sup>12</sup>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Habitat for Sand-hill Spider Orchid <sup>2</sup>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Habitat for A burr-daisy <sup>2</sup>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Habitat for Winged Peppercross <sup>1</sup>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Habitat for Chariot Wheels <sup>12</sup>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Habitat for Slender Darling Pea <sup>12</sup>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Habitat for Yellow Swainson-pea <sup>2</sup>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Habitat for Plains Wanderer <sup>12</sup>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		
Habitat for Regent Parrot (eastern subspecies) <sup>12</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5.14Ha (Substation Boundary)	Breeding habitat mapped
Habitat for Superb Parrot <sup>12</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	5.14Ha (Substation Boundary)	Habitat mapped

Notes:

- 1 Protected matter listed within the Notification of Approval EnergyConnect NSW – Eastern Section (EPBC 2020/8766)
- 2 Protected matter listed within the Revised Biodiversity Development Assessment Report (August 2022)

**Management measures required to avoid or minimise impacts to Protected Matters:**

- 0.231Ha BC Act listed TEC 'Myall Woodland in the Darling Riverine Plains, Brigalow Belt South, Cobar Peneplain, Murray-Darling Depression, Riverina and NSW South Western Slopes bioregions' (Endangered).
- Exclusion zones to be installed to restrict access to protected matters outside the construction footprint.
- No additional mitigation measures required. Clearing works to be in accordance with the Biodiversity Management Plan.

**Hollow Bearing / Habitat Trees**

Habitat trees and habitat features identified & marked?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Comments: Habitat identified. Hollow bearing trees and stick nests.
GPS coordinates and habitat trees recorded?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Comments: WP ID605 – 703 WP ID188B – 228B
Nest boxes required?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Comments:
Fauna spotter required to be present during clearing activities?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Comments:

**Weeds**

Were any Weeds of National Significance or Priority Weeds identified?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Details: African Boxthorn ( <i>Lycium ferocissimum</i> )
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Environmental Exclusion Zones			
Threatened Species Identified within Disturbance Area B?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Details: Spotted Harrier ( <i>Circus assimilis</i> )
Environmental exclusion zones required?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Details: EPBC Act and BC Act Threatened Ecological Community.
Unexpected Finds			
Were any Unexpected Finds identified?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Details:
If yes, has the Environmental Manager been notified?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Details:
Additional Comments			
<ul style="list-style-type: none"> <li>• Two Spotted Harrier (Vulnerable under BC Act) observed foraging on the ground and circling over Dinawan Substation.</li> <li>• Hollow bearing logs identified within Dinawan Substation and Camp 3 Laydown Area. Recommend hollow bearing logs be retained and moved outside of construction footprint for future utilisation by fauna.</li> <li>• Exclusion zones to be installed prior to construction works commencing.</li> <li>• Ecologist to be present during clearing activities.</li> <li>• 5.08Ha of <i>Leptorhynchos orientalis</i> habitat to be removed.</li> <li>• 5.08Ha of Silky Swainson-pea (<i>Swainsona sericea</i>) habitat to be removed.</li> <li>• Weeds to be managed in accordance with the Biosecurity Management Plan.</li> <li>• Additional weeds: Bathurst Burr (<i>Xanthium spinosum</i>), Spear Thistle (<i>Cirsium vulgare</i>), Witch Grass (<i>Panicum capillare</i>), Stinging Nettle (<i>Urtica dioica</i>), Flaxleaf Fleabane (<i>Conyza bonariensis</i>), and Paterson's Curse (<i>Echium plantagineum</i>).</li> </ul>			

Table 3 – Pre-Clearance Approval

Ecologist	
Pre-clearance Assessment Timeframe for Nominated Works	3 months
Name	Scott Rolph
Signature	
Date	20-08-2023
SecureEnergy	
Name	Glenn Hayden
Position	Senior Environmental Advisor
Signature	
Date	22.08.2023

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