

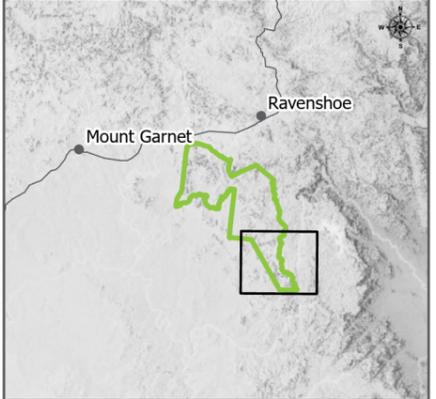
Chalumbin Wind Farm

Offset Management Area
Woorora South - Magnificent broodfrog

Figure 7.4

-  Project Area Boundary
-  Offset Management Area
-  Survey Observation
- Magnificent Broodfrog Habitat**
-  MBF habitat (No Erosion Risk)
-  MBF habitat (Erosion Risk)
- Clearance Envelope**
-  Stage 1
-  Stage 2
-  Watercourse
-  Contour (10m)
-  Protected Area Estate
-  WTQ Boundary
-  Lot Boundary
-  Easement

Date: 3/11/2022 Author: TOD
Project: EPU-004 Reviewed: NOD



Data Source(s):
Digital Cadastral Database - Department of Resources (2022)
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It is anticipated an area of approximately 6,900 ha will be set aside in these offset areas. Within this area, it is estimated there is habitat for each MNES value as illustrated in **Table 7-1**. It should be noted that the columns are not cumulative due to the co-location of offsets for each MNES value within the same offset management area. The existing high voltage transmission line easement bisects the southern offset area but is not included in the area undergoing active management actions, nor in the habitat calculations.

Table 7-1 Co-location of MNES Values in Wooroora Offset Management Areas

MNES Value	Habitat Type	Proposed Offset Management Areas (ha)		
		Wooroora North	Wooroora South	Total
Koala	Locally important koala trees	1,110	2,956	4,066
	Ancillary habitat trees	27	773	800
Magnificent brood frog	Isolated from Project footprint ¹⁰	1,068	341	1,409
	Downstream of Project footprint	190	593	783
Masked owl	Nesting habitat	1,924	2,132	4,056
	Foraging habitat	90	2,718	2,808
Northern greater glider	Denning habitat	1,924	2,132	4,056
	Foraging habitat	62	1,323	1,385
Spectacled flying-fox	Foraging habitat	1,982	4,260	6,242

This offset management area will also contribute to the acquittal of impacts to the following MSES values:

- Of Concern RE 7.3.26 (BVG:16a);
- Of Concern RE 7.3.43 (BVG:9e);
- Of Concern RE 7.12.52 (BVG:8a);
- Of Concern RE 7.12.57 (BVG:9d); and
- Watercourse vegetation.

¹⁰ The areas proposed specifically as offsets for the magnificent brood frog are not at risk of erosion and sedimentation impacts from the Project, either because they are upslope from proposed Project infrastructure and/or there is a ridgeline or other topographical feature separating these areas from potential sources of impact

7.3.2 Glen Gordon Station

Glen Gordon Station is in the south of Tablelands Regional Council local government area, in the locality of Innot Hot Springs, approximately 14 km south of Ravenshoe. The property is partially affected by the Chalumbin Wind Farm and the landholder has expressed a willingness to enter into discussions regarding the use of areas on the property for the purposes of a land-based offset through an options agreement.

Although not within a Strategic Offset Investment Corridor (as there are currently none identified in either the Einasleigh Uplands or Wet Tropics bioregions), the Wooroora property is within an area of State biodiversity significance as identified through a Biodiversity Planning Assessment using the Biodiversity Assessment and Mapping Methodology (BAAM) (as noted in the desktop searches included in Appendix B of the PER). It is proposed that a single offset management area will be required to meet the specific habitat criteria of the MNES values.

The proposed offset management area is located in the central part of the property, to the west of a horseshoe-shaped ridgeline known as the Black Mountains. The vegetation within the area is dominated by mixed woodland to open forest on igneous hills (RE 9.12.2). This offset management area would provide habitat for all five MNES.

Table 7-2 illustrates the indicative offset management area with the MNES and MSES values present on the site. In the development of an Offset Management Plan it would be anticipated that the shape and location of the sites may evolve in consultation with the land manager with consideration of local-scale implementation constraints.