



9.0 Offsets

Section 8.0 identifies that the Project is likely to result in a significant residual impact on known and potential habitat for five MNES: koala, magnificent brood frog, masked owl, northern greater glider and spectacled flying-fox. Under the EPBC Act, environmental offsets are required to compensate for these impacts, after all reasonable efforts have first been made to avoid, minimise, mitigate and rehabilitate.

An Offset Management Strategy has been prepared (**Appendix O**) to identify the environmental offset requirements of the Project and demonstrate the feasibility of securing a scientifically robust offset program, in support of securing Project approval.

The Offset Management Strategy includes indicative offsets located on the host properties. The indicative offsets include three significant areas totalling more than 6,855 ha, primarily located immediately adjacent to the WTQWHA, including the largest patch of intact wet sclerophyll forest adjacent to the Tully Falls National Park, and the creation of formal connectivity between Koombaloo National Park and Yourka Reserve Nature Refuge (see **Figure 2-2**).

In addition to 100% of the MNES offset requirement being delivered as land-based offsets, the Offset Management Strategy includes a significant indirect offset for the magnificent brood frog to advance the scientific knowledge for this species, in the form of contribution towards research of up to \$250,000, with further detail on the specifics of this contribution to be discussed and agreed with DCCEEW and relevant stakeholders including the Magnificent Brood Frog Working Group. These proposed offset areas will be subject to further detailed field assessment and analysis using the EPBC offset calculator.

Table 9-1 provides a summary of the proposed offset package.

Table 9-1 Proposed Offset Package

MNES	SRI (ha)	Proposed Offsets				
		Offset Area 1 (Wooroora Central)	Offset Area 2 (Wooroora North)	Offset Area 3 (Wooroora South)	Total	Ratio of Offset to SRI
Koala	843.81	2,573ha	959ha	1,316ha	6,108ha	7:1
Magnificent brood frog	120.51	1,013ha upstream of the Project footprint	305ha upstream of Project footprint	399ha upstream of Project footprint	1,717ha	14:1
Masked owl	1,026.3	3,690ha	1,758ha	1,375ha	6,824ha	6:1
Northern greater glider	887.9	2,722ha	1,730ha	1,312ha	5,765ha	6:1
Spectacled flying-fox	976.1	3,054ha	1,728ha	1,325ha	6,108ha	6:1