

APPENDIX 11: OAG – KOALA

Offsets Assessment Guide

For use in determining offsets under the *Environment Protection and Biodiversity Conservation Act 1999*
2 October 2012
This guide relies on Macros being enabled in your browser.

| Matter of National Environmental Significance | |
|---|------------|
| Name | Koola |
| EPBC Act status | Endangered |
| Annual probability of extinction <small>Based on IUCN category definitions</small> | 1.2% |

| Key to Cell Colours |
|-----------------------------|
| User input required |
| Drop-down list |
| Calculated output |
| Not applicable to attribute |

| Impact calculator | | | | | | |
|---|-----------------------------|-------------|-------------------------|-------|-------------------|--------------------|
| Protected matter attributes | Attribute relevant to case? | Description | Quantum of impact | | Units | Information source |
| <i>Ecological communities</i> | | | | | | |
| Area of community | No | | Area | | | |
| | | | Quality | | | |
| | | | Total quantum of impact | 0.00 | | |
| <i>Threatened species habitat</i> | | | | | | |
| Area of habitat | Yes | | Area | 23.6 | Hectares | |
| | | | Quality | 6 | Scale 0-10 | |
| | | | Total quantum of impact | 14.16 | Adjusted hectares | |
| <i>Threatened species</i> | | | | | | |
| Birth rate <small>e.g. Change in nest success</small> | No | | | | | |
| Mortality rate <small>e.g. Change in number of road kills per year</small> | No | | | | | |
| Number of individuals <small>e.g. Individual plants/animals</small> | No | | | | | |

| Offset calculator | | | | | | | | | | | | | | | | | | | | |
|---|-----------------------------|-------------------------|-------------------|-----------------|---|-------------------------------|---|--|---|--------------------------|--|---------------------------------------|--------------------|--|-----------------|--------------------|-------|---------|-----|--|
| Protected matter attributes | Attribute relevant to case? | Total quantum of impact | Units | Proposed offset | Time horizon (years) | Start area and quality | Future area and quality without offset | Future area and quality with offset | Raw gain | Confidence in result (%) | Adjusted gain | Net present value (adjusted hectares) | % of impact offset | Minimum (90%) direct offset requirement met? | Cost (\$ total) | Information source | | | | |
| <i>Ecological Communities</i> | | | | | | | | | | | | | | | | | | | | |
| Area of community | No | | | | Risk-related time horizon (max. 20 years) | Start area (hectares) | Risk of loss (%) without offset | 0.0 | Risk of loss (%) with offset | 0.0 | | | | | | | | | | |
| | | | | | Future area without offset (adjusted hectares) | 0.0 | Future area with offset (adjusted hectares) | 0.0 | | | | | | | | | | | | |
| | | | | | Time until ecological benefit | Start quality (scale of 0-10) | Future quality without offset (scale of 0-10) | Future quality with offset (scale of 0-10) | | | | | | | | | | | | |
| <i>Threatened species habitat</i> | | | | | | | | | | | | | | | | | | | | |
| Area of habitat | Yes | 14.16 | Adjusted hectares | | Time over which loss is averted (max. 20 years) | 20 | Start area (hectares) | 107.14 | Risk of loss (%) without offset | 0% | Risk of loss (%) with offset | 0% | 0.00 | 100% | 0.00 | 0.00 | 14.35 | 101.33% | Yes | |
| | | | | | Future area without offset (adjusted hectares) | 107.1 | Future area with offset (adjusted hectares) | 107.1 | 0.00 | 100% | 0.00 | 0.00 | | | | | | | | |
| | | | | | Time until ecological benefit | 20 | Start quality (scale of 0-10) | 5 | Future quality without offset (scale of 0-10) | 5 | Future quality with offset (scale of 0-10) | 7 | 2.00 | 85% | 1.70 | 1.34 | | | | |
| <i>Threatened species</i> | | | | | | | | | | | | | | | | | | | | |
| Birth rate <small>e.g. Change in nest success</small> | No | | | | | | | | | | | | | | | | | | | |
| Mortality rate <small>e.g. Change in number of road kills per year</small> | No | | | | | | | | | | | | | | | | | | | |
| Number of individuals <small>e.g. Individual plants/animals</small> | No | | | | | | | | | | | | | | | | | | | |

| Summary | | | | | | | |
|-----------------------------|-------------------|-----------------------------|--------------------|-------------------------|--------------------|----------------------------------|---------------|
| Protected matter attributes | Quantum of impact | Net present value of offset | % of impact offset | Direct offset adequate? | Cost (\$) | | |
| | | | | | Direct offset (\$) | Other compensatory measures (\$) | Total (\$) |
| Birth rate | 0 | | | | \$0.00 | | \$0.00 |
| Mortality rate | 0 | | | | \$0.00 | | \$0.00 |
| Number of individuals | 0 | | | | \$0.00 | | \$0.00 |
| Number of features | 0 | | | | \$0.00 | | \$0.00 |
| Condition of habitat | 0 | | | | \$0.00 | | \$0.00 |
| Area of habitat | 14.16 | 14.35 | 101.33% | Yes | \$0.00 | N/A | \$0.00 |
| Area of community | 0 | | | | \$0.00 | | \$0.00 |
| | | | | | \$0.00 | \$0.00 | \$0.00 |