

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 | Koala |
| EPBC Act status | Endangered |
| Annual probability of extinction Based on IUCN category definitions | 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 | 44.35 ha of direct impacts, 1.71 ha of partial and 1.81 ha of access (3.07 ha in high condition, 11.41 in moderate and 33.39 in poor condition) - Average 4/10 | Area | 47.87 | Hectares |
| | | | Quality | 4 | Scale 0-10 |
| | | | Total quantum of impact | 19.15 | Adjusted hectares |
| <i>Threatened species</i> | | | | | |
| Birth rate e.g. Change in nest success | No | | | | |
| Mortality rate e.g. Change in number of road kills per year | No | | | | |
| Number of individuals e.g. Individual plants/animals | 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) | Risk of loss (% 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 | | | | |
| | | | | | | | 0.0 | 0.0 | | | | | | | | | | | | |
| | | | | | | | Future area without offset (adjusted hectares) | Future area with offset (adjusted hectares) | | | | | | | | | | | | |
| <i>Threatened species habitat</i> | | | | | | | | | | | | | | | | | | | | |
| Area of habitat | Yes | 19.15 | Adjusted hectares | 208.11 ha comprising 151.58 ha of existing habitat and 56.54 ha of restored habitat | Time over which loss is averted (max. 20 years) | 20 | Start area (hectares) | 208.11 | Risk of loss (% without offset) | 5% | Risk of loss (% with offset) | 1% | 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 |
| | | | | | | | | | 197.7 | 206.0 | | | | | | | | | | |
| | | | | | | | | | Future area without offset (adjusted hectares) | Future area with offset (adjusted hectares) | | | | | | | | | | |
| <i>Threatened species</i> | | | | | | | | | | | | | | | | | | | | |
| Birth rate e.g. Change in nest success | No | | | | | | | | | | | | | | | | | | | |
| Mortality rate e.g. Change in number of road kills per year | No | | | | | | | | | | | | | | | | | | | |
| Number of individuals e.g. Individual plants/animals | 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 | 19,148 | 46.18 | 241.18% | Yes | \$0.00 | N/A | \$0.00 |
| Area of community | 0 | | | | \$0.00 | | \$0.00 |
| | | | | | \$0.00 | \$0.00 | \$0.00 |