

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 | Carnaby's Black Cockatoo |
| 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 | Northern Quoll / POP habitat (0.53 shelter and 67 ha foraging) | Area | 67.53 | Hectares |
| | | | Quality | 7 | Scale 0-10 |
| | | | Total quantum of impact | 47.27 | Adjusted hectares |
| Biota (2022), varies from poor to very good condition | | | | | |
| <i>Threatened species</i> | | | | | |
| Number of features e.g. Nest hollows, habitat trees | No | | | | |
| Condition of habitat Change in habitat condition, but no change in extent | No | | | | |
| 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 | | | | | | | | | | | | | | | | | | | | |
| | | | | | 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 | 47.27 | Adjusted hectares | Land management | Time over which loss is averted (max. 20 years) | 20 | Start area (hectares) | 200.00 | Risk of loss (%) without offset | 10% | Risk of loss (%) with offset | 10% | Raw gain | 0.00 | Confidence in result (%) | 80% | Adjusted gain | 0.00 | Net present value | 0.00 | % of impact offset | 42.69 | Minimum (90%) direct offset requirement met? | Yes | Cost (\$ total) | | Information source | |
| | | | | | Future area without offset (adjusted hectares) | 180.0 | Future area with offset (adjusted hectares) | 180.0 | | | | | | | | | | | | | | | | | | | | |
| | | | | | Time until ecological benefit | 1 | Start quality (scale of 0-10) | 4 | Future quality without offset (scale of 0-10) | 3 | Future quality with offset (scale of 0-10) | 6 | Raw gain | 3.00 | Confidence in result (%) | 80% | Adjusted gain | 2.40 | Net present value | 2.37 | | | | | | | | |
| <i>Threatened species</i> | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Number of features e.g. Nest hollows, habitat trees | No | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Condition of habitat Change in habitat condition, but no change in extent | No | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | 47.271 | 42.69 | 90.30% | Yes | \$0.00 | #DIV/0! | #DIV/0! |
| Area of community | 0 | | | | \$0.00 | | \$0.00 |
| | | | | | \$0.00 | #DIV/0! | #DIV/0! |