

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	GHFF
EPBC Act status	Vulnerable
Annual probability of extinction Based on IUCN category definitions	0.2%

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	Combined total of 46.06 ha of forest/woodland to be directly & indirectly impacted, largely comprising poor condition scattered paddock trees (41.76 ha)	Area	46.06	Hectares
			Quality	4	Scale 0-10
			Total quantum of impact	18.42	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)													
Area of habitat	Yes	18.42	Adjusted hectares	209.08 ha in two BSA sites comprising 155.18 ha of existing good quality woodland/forest and 53.90 ha of grassland to be restored to woodland	Time over which loss is averted (max. 20 years)	20	Start area (hectares)	209.08	5%	Risk of loss (% with offset)	1%	8.36	90%	7.53	7.23	56.59	307.16%	Yes			
																			198.6	207.0	
																			Future area without offset (adjusted hectares)	Future area with offset (adjusted hectares)	
Area of habitat	Yes	18.42	Adjusted hectares	209.08 ha in two BSA sites comprising 155.18 ha of existing good quality woodland/forest and 53.90 ha of grassland to be restored to woodland	Time until ecological benefit	20	Start quality (scale of 0-10)	6	Future quality without offset (scale of 0-10)	4	Future quality with offset (scale of 0-10)	7	3.00	90%	2.70	2.59	56.59	307.16%	Yes		
																				6	4
																				Future quality without offset (scale of 0-10)	Future quality with offset (scale of 0-10)
<i>Threatened species habitat</i>																					
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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	
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	18.424	56.59	307.16%	Yes	\$0.00	N/A	\$0.00
Area of community	0				\$0.00		\$0.00
					\$0.00	\$0.00	\$0.00