



Appendix H OAG outputs

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.

	nificance
Name	Australian Painte
- Tunic	Snipe
EPBC Act status	Vulnerable
Annual probability of extinction	0.2%
Based on IUCN category definitions	0.276

			Impact calcu	lator			
	Protected matter attributes	Attribute relevant to case?	Description	Quantum of imp	oact	Units	Information source
			Ecological c	ommunities			
				Area			
	Area of community	No		Quality			
				Total quantum of impact	0.00		
			Threatened sp	oecies habitat			
				Area	22.6	Hectares	
ator	Area of habitat	Yes	Stage 1 Impacts	Quality	4	Scale 0-10	Base HQ score
Impact calculator				Total quantum of impact	9.04	Adjusted hectares	
Imp	Protected matter attributes	Attribute relevant to case?	Description	Quantum of imp	oact	Units	Information source
	Number of features e.g. Nest hollows, habitat trees	No					
	Condition of habitat Change in habitat condition, but no change in extent	No					
			Threatene	ed species			
	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					

Key to Cell Colours

User input required

Drop-down list

Calculated output

Not applicable to attribute

										Offset c	alculato	or									
	Protected matter attributes	Attribute relevant to case?	Total quantum of impact	Units	Proposed offset	Time horizon	(years)	Start are quali		Future are quality witho		Future area		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
										Ecolog	gical Con	nmunities									
	Area of community	No				Risk-related time horizon (max. 20 years)		Start area (hectares)		Risk of loss (%) without offset Future area without offset (adjusted hectares)	0.0	Risk of loss (%) with offset 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)									
										Threate	ened spec	ies habitat									
ator	Area of habitat	Yes	9.04	Adjusted hectares		Time over which loss is averted (max. 20 years)	20	Start area (hectares)	110.2	Risk of loss (%) without offset Future area without offset (adjusted hectares)	110.0	Risk of loss (%) with offset Future area with offset (adjusted hectares)	110.2	0.18	85%	0.16	0.15	100.06%	Yes		
Offset calculator						Time until ecological benefit	20	Start quality (scale of 0-10)	3	Future quality without offset (scale of 0-10)	3	Future quality with offset (scale of 0-10)	4	1.00	85%	0.85	0.82				
Offs	Protected matter attributes	Attribute relevant to case?	Total quantum of impact	Units	Proposed offset	Time horizon	(years)	Start v	alue	Future value offset		Future value offset	with	Raw gain	Confidence in result (%)	Adjusted gain	Net present value	% of impact offset	Minimum (90%) direct offset requirement met?	Cost (\$ total)	Information source
	Number of features e.g. Nest hollows, habitat trees	No																			
	Condition of habitat Change in habitat condition, but no change in extent	No																			
										Thr	eatened s	species									
	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																			

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Matter of National Environmental Significance						
Name	Julia Creek dunnart					
EPBC Act status	Vulnerable					
Annual probability of extinction Based on IUCN category definitions	0.2%					

			Impact calcul	lator				
	Protected matter attributes	Attribute relevant to case?	Description	Quantum of imp	oact	Units	Information source	
			Ecological c	ommunities				
				Area				
	Area of community	No		Quality				
				Total quantum of impact	0.00			
			Threatened sp	ecies habitat				
				Area	410.3	Hectares		
ator	Area of habitat	Yes	Stage 1 Impacts	Quality	5	Scale 0-10	Base HQ score	
Impact calculator				Total quantum of impact	205.15	Adjusted hectares		
Imp	Protected matter attributes	Attribute relevant to case?	Description	Quantum of imp	oact	Units	Information source	
	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						

Wey to Cell Colours

User input required

Drop-down list

Calculated output

Not applicable to attribute

										Offset c	calculate	or										
	Protected matter attributes	Attribute relevant to case?	Total quantum of impact	Units	Proposed offset	Time horizon	(years)	Start are quali		Future are quality witho		Future ar quality wit		Raw gain	Confidence in result (%)	Adjusted gain	Net prese (adjusted l		% of impact offset	Minimum (90%) direct offset requirement met?	Cost (\$ total)	Information source
										Ecolog	gical Con	ımunities										
	Area of community	No				Risk-related time horizon (max. 20 years)		Start area (hectares)		Risk of loss (%) without offset Future area without offset (adjusted hectares)	0.0	Risk of loss (%) with offset 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)										
										Threate	ened spec	ies habitat										
ator	Area of habitat	Yes	205.15	Adjusted hectares		Time over which loss is averted (max. 20 years)	20	Start area (hectares)	2,491.10	Risk of loss (%) without offset Future area without offset (adjusted hectares)	2486.9	Risk of loss (%) with offset Future area with offset (adjusted hectares)	2491.1	4.16	85%	3.54	3.40	205.15	100.00%	Yes		
Offset calculator						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)	6	1.00	85%	0.85	0.82					
Offs	Protected matter attributes	Attribute relevant to case?	Total quantum of impact	Units	Proposed offset	Time horizon	(years)	Start v	alue	Future value offse		Future val		Raw gain	Confidence in result (%)	Adjusted gain	Net prese	nt value	% of impact offset	Minimum (90%) direct offset requirement met?	Cost (\$ total)	Information source
	Number of features e.g. Nest hollows, habitat trees	No																				
	Condition of habitat Change in habitat condition, but no change in extent	No																				
										Thr	eatened s	species										
	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																				

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Matter of National Environmental Significance								
Name	Painted Honeyeater							
EPBC Act status	Vulnerable							
Annual probability of extinction	0.2%							

			Impact calcul	lator			
	Protected matter attributes	Attribute relevant to case?	Description	Quantum of imp	oact	Units	Information source
			Ecological c	ommunities			
				Area			
	Area of community	No		Quality			
				Total quantum of impact	0.00		
			Threatened sp	pecies habitat			
				Area	81.8	Hectares	
ılator	Area of habitat	Yes	Stage 1 Impacts	Quality	4	Scale 0-10	Base HQ score
Impact calculator				Total quantum of impact	32.72	Adjusted hectares	
Imp	Protected matter attributes	Attribute relevant to case?	Description	Quantum of imp	oact	Units	Information source
	Number of features e.g. Nest hollows, habitat trees	No					
	Condition of habitat Change in habitat condition, but no change in extent	No					
			Threatene	ed species			
	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					

Key to Cell Colours

User input required

Drop-down list

Calculated output

Not applicable to attribute

										Offset	calculate)r									
	Protected matter attributes	Attribute relevant to case?	Total quantum of impact	Units	Proposed offset	Time horizon	(years)	Start are quali		Future are quality with		Future are quality with		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
										Ecolog	gical Con	ımunities									
	Area of community	No				Risk-related time horizon (max. 20 years)		Start area (hectares)		Risk of loss (%) without offset Future area without offset (adjusted hectares)	0.0	Risk of loss (%) with offset 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)									
										Threate	ened spec	ies habitat									
ator	Area of habitat	Yes	32.72	Adjusted hectares		Time over which loss is averted (max. 20 years)	20	Start area (hectares)	199.90	Risk of loss (%) without offset Future area without offset (adjusted hectares)	199.6	Risk of loss (%) with offset Future area with offset (adjusted hectares)	199.9	0.33	85%	0.28	0.27 32.73	100.04%	Yes		
Offset calculator						Time until ecological benefit	20	Start quality (scale of 0-10)	3	Future quality without offset (scale of 0-10)	3	Future quality with offset (scale of 0-10)	5	2.00	85%	1.70	1.63				
Offs	Protected matter attributes	Attribute relevant to case?	Total quantum of impact	Units	Proposed offset	Time horizon	(years)	Start va	alue	Future value offse		Future valu		Raw gain	Confidence in result (%)	Adjusted gain	Net present value	% of impact offset	Minimum (90%) direct offset requirement met?	Cost (\$ total)	Information source
	Number of features e.g. Nest hollows, habitat trees	No																			
	Condition of habitat Change in habitat condition, but no change in extent	No																			
										Thi	reatened s	species									
	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																			

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Matter of National Environmental Significance									
Name	Plains Death Adder								
EPBC Act status	Vulnerable								
Annual probability of extinction	0.2%								

			Impact calcu	lator				
	Protected matter attributes	Attribute relevant to case?	Description	Quantum of imp	oact	Units	Information source	
			Ecological c	ommunities				
				Area				
	Area of community	No		Quality				
				Total quantum of impact	0.00			
			Threatened sp	oecies habitat				
				Area	374.3	Hectares		
ator	Area of habitat	Yes	Stage 1 Impacts	Quality	4	Scale 0-10	Base HQ score	
Impact calculator				Total quantum of impact	149.72	Adjusted hectares		
Imp	Protected matter attributes	Attribute relevant to case?	Description	Quantum of imp	pact	Units	Information source	
	Number of features e.g. Nest hollows, habitat trees	No						
	Condition of habitat Change in habitat condition, but no change in extent	No						
			Threatene	ed species				
	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						

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

										Offset c	alculato	or									
	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
	Ecological Communities																				
	Area of community	No				Risk-related time horizon (max. 20 years)		Start area (hectares)	y	Risk of loss (%) without offset Future area without offset	0.0	Risk of loss (%) with offset Future area with offset	0.0								
						Time until ecological benefit		Start quality (scale of 0-10)		(adjusted hectares) Future quality without offset (scale of 0-10)		(adjusted hectares) Future quality with offset (scale of									
	Threatened species habitat																				
										Risk of loss	neu spec	Risk of loss									
Offset calculator	Area of habitat	Yes	149.72	Adjusted hectares		Time over which loss is averted (max.	is 20	Start area (hectares)		(%) without offset Future area	0%	(%) with offset Future area	0%	1.53	85%	1.30	1.25				
						20 years)				without offset (adjusted hectares)	912.8	with offset (adjusted hectares)	914.3				149.72	100.00%	Yes		
						Time until ecological benefit	20	Start quality (scale of 0-10)		Future quality without offset (scale of 0-10)	3	quality with offset (scale of 0-10)	5	2.00	85%	1.70	1.63				
	Protected matter attributes	Attribute relevant to case?	Total quantum of impact	Units	Proposed offset	Time horizon (years)		Start value		Future value without offset		Future value with offset		Raw gain	Confidence in result (%)	Adjusted gain	Net present value	% of impact offset	Minimum (90%) direct offset requirement met?	Cost (\$ total)	Information source
	Number of features e.g. Nest hollows, habitat trees	No																			
	Condition of habitat Change in habitat condition, but no change in extent	No																			
										Thr	eatened s	species									
	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													FALSE							