WA Environmental Offsets Calculator

Rationale for scores used in the offsets calculator

Environmental value to be offset			
Calculation		***Score (Feature)***	***Rationale***
Conservation significance			
Description		Breeding trees for Black Cockatoos	The proposed clearing will directly impact on 8 black cockatoo potential breeding trees. No hollows will be impacted.
Type of environmental value		Vegetation/habitat	Drop-down list
Conservation significance of environmental value		Vegetation/Habitat representative of high biodiversity	Drop-down list
Landscape-level value impacted		yes/no	
Significant impact			
Description		Clearing of breeding trees for black cockatoos	Clearing of 8 potential breeding trees for Black Cockatoo species within the Development Area.
Significant impact (hectares) / Type of feature		breeding trees	see above
Quality (scale) / Number		8.00	8 breeding trees proposed to be cleared
Rehabilitation credit			
Description		0	None proposed - the proposed Conservation Area within the Development Envelope is not planned to be rehabilitated as the vegetation is already in Very Good condition
Proposed rehabilitation (area in hectares)		N/A	
Current quality of rehabilitation site / Start number (of type of feature)		0.00	
Future quality WITHOUT rehabilitation (scale) / Future number WITHOUT rehabilitation		0.00	
Future quality WITH rehabilitation (scale) / Future number WITH rehabilitation		0.00	
Time until ecological benefit (years)		0.00	
Confidence in rehabilitation result (%)		0	
Offset			
Description		Acquisition of offset site with no existing potential breeding trees for Black Cockatoo species.	The offset site will include at least 11 Black Cockatoo breeding trees to provide similar value to that being cleared (see above).
Proposed offset (area in hectares)		N/A	
Current quality of offset site / Start number (of type of feature)		0.00	Aigle Royal are currently in consultation with the City of Cockburn regarding a potential offset site. A conservative approach to the start number has been used and there is the potential that the offset site already has sufficient potential breeding trees for Black Cockatoo species. If this is the case, the start number would be greater and a reduced number of trees need to be established to meet 100% of the value for this feature.
Future quality WITHOUT offset (scale) / Future number WITHOUT offset		0.00	A future number without offset of 0 has been applied as it has been assumed that the offset site has no potential Black Cockatoo breeding trees.
Future quality WITH offset (scale) / Future number WITH offset		10.20	11 potential breeding trees for Black Cockatoo species will be required to meet 100% of the offset value.
Time until ecological benefit (years)		20.00	Aigle Royal are currently in consultation with the City of Cockburn regarding a potential offset site. A conservative approach to the time until ecological benefit has been used. Depending on the tree species, Black Cockatoo breeding trees can take multiple years to reach a suitable DBH for breeding and 20 years is a conservative estimate. However, there is the potential that the offset site already has sufficient potential breeding trees for Black Cockatoo species. If this is the case, the time until ecological benefit would be reduced and less trees would need to be established to meet 100% of the value for this feature.
Confidence in offset result (%)		0.8	A value of 80% has been nominated based on the fact that land conservation mechanisms will be in place
Duration of offset implementation (maximum 20 years)		N/A	
Time until offset site secured (years)		N/A	
Risk of future loss WITHOUT offset (%)		N/A	
Risk of future loss WITH offset (%)		N/A	
Offset ratio (Conservation area only)		N/A	