## APPENDIX 5 - QUALITATIVE THREAT ASSESSMENT METHODOLOGY

Par	t 1: Activity Identification and Context Analysis						
	Activity Name	Species Name			Outcome		
	Type of activity	Policy			Division	<select activity="" belongs="" division="" the="" to=""></select>	
	Date of analysis	< Write the date this assessment is being performed>	Duration of analysis	<write analysis="" cover="" the="" this="" timeframe="" will=""></write>	Decision Maker	<write and="" decision="" maker<br="" name="" of="" the="" title="">and approver&gt;</write>	Make sure the Dassessment and
	Activity Objective and main outcomes	To assess the risk of extinction to the species (in accordance with action/recommendations to prevent the species from being threa		ne threats to the species and to provide	Key Stakeholders	<list and="" could="" external="" im<="" internal="" stakeholders="" th="" the="" who=""><th>npact or be impacted by</th></list>	npact or be impacted by
	External Environment Context	The threat assessment and management template is for applicati	ion to data deficient species and ass	ists in the decision of whether to apply sectio	on 190 .		

## Part 2: Threat Assessment and Management Plan (Please refer to the Risk Assessment Matrix to complete this section)

		IDENTIFICATIO	N		ANALYSIS								
	L 2 # Threats (Briefly describe the threat that could affect whether the objective is achieved)	3 Impact (Briefly describe the potential impacts if the threat happens: see	4 Sources of the threat (Briefly describe the potential causes or sources of the threat happening)	5 Committee Assessment Notes	Inhere (What is the th management s	6 nt threat ration nreat rating b strategies are	efore any	7 Existing conservation management strateg of the threat	gies for each source	(Assess the	aking into acc	s and their count the	9 Proposed threat treatm (Tasks are needed to mitig threat, i.e. conservation a
		consequence table)			6A Consequence	6B Likelihood	6C Rating	7A Management strategies in place (Briefly describe the existing strategies, i.e. what is in place NOW to minimise or soften the impact of each potential threat)	7B Select from the Control Rating	8A Consequence	8B	8C	
										-			
										-			
										-			
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						HERENT RISK ACTIVITY	OF THE			OVERALL RESID	DUAL RISK OF 1	THE ACTIVITY	

Decision maker signs the risk d treatment plan off

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TREATMENT							
atments itigate the on action)		(What is the ex	12 Target threat rating (What is the expected threat rating after additional treatments are in place?)				
	9A Select from the Control Rating	12A Consequence	12B Likelihood	12C Rating			
					#N/A		
				ARGET RISK O ACTIVITY	FTHE		

Categories Stakeholder management and communication Operational Health and Safety Financial Workforce management and capability Information management (including ICT) Business planning and program /project management. Legal / statutory compliance Loss of assets (departmental / environment).

## Likelihood

Rare Unlikely Possible Likely Almost Certain **Consequence** Insignificant Minor Moderate Major Critical ControlsToleranceWeakYesIncompleteNoAdequateYesStrongYesOver-ControlledYes

Sources of Risk

		Insignificant	Minor	Moderate	Major	Critical
		1	2	3	7	15
Almost Certain	5	5	10	15	35	75
Likely	4	4	8	12	28	60
Possible	3	3	6	9	21	45
Unlikely	2	2	4	6	14	30
Rare	1	1	2	3	7	15

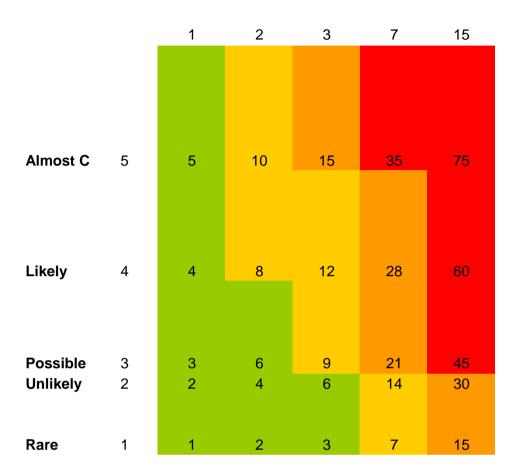
Almost Certain Likely Possible Unlikely Rare	5 4 3 2 1
Insignificant	1
Minor	2
Moderate	3
Major	7
Critical	15

Likelihood	Consequence	Rating
<b>Likely</b>	Major	<b>High</b>

Score	Likelihood	Description
	1 Rare	The outcome is not expected to occur; never heard of but not impossible; may occur in exceptional circumstances
	2 Unlikely	The outcome will only occur in a few circumstances; uncommon but know to occur elsewhere
	3 Possible	The outcome may occur; some evidence to support it will happen
	4 Likely	The outcome will occur in most circumstances;
	5 Almost certain	The outcome is expected to occur

Consequence	Insignificant 1	Minor 2	Moderate 3	Major 4	Critical 5
Impact on population <sup>3</sup>	Minimal impact on local population numbers; area affected negligible compared to total population; minimal or acceptable impact on population size	Minor impact on local population numbers. Population in other locations not impacted	Moderate impact on local population numbers. Some impacts on populations in other locations; moderate and/or short term effects	reduction or loss of local population; recovery measure in years to decades;	Population reduction which may results in species extinction; recovery period is greater than decades; very significant and serious impact on high value species
Fragmentation of habitat/loss of habitat connectivity/reduce the areas of occupancy <sup>4</sup>	Minimal losses of local habitat only, recovery likely in a relatively short period of time; threats are covered by current management or legislation	Minor losses of local habitat requiring recovery over short term	Moderate loss of local habitat requiring recovery over a short to medium term and resulting in loss of connectivity between habitats at a local scale	recovery, or partial loss	Complete loss of local habitat with no potential for recovery and loss of habitat in other locations with limited potential for recovery in the long term resulting in a significant impact on habitat connectivity over a large area
Impact on the habitat critical to the survival of the species <sup>5</sup>		destruction, removal ore decrease of local habitat		loss of local habitat with no potential for recovery, or partial loss of habitat across large areas and/or with limited potential for recovery in the	-

Disruption to breeding cycle <sup>6</sup>	Minimal impact on any aspect of the breeding cycle;	Minor disruption to the breeding cycle	Moderate disruption to breeding cycle resulting in modification of behaviour both within the direct impact zone and at nearby locations; long term recruitment and/or population dynamics are not adversely impacted	Direct impacts on breeding cycle resulting in a net decline in size of the population; the is limited information to judge the impact	Complete disruption of breeding cycles over several seasons with significant population decline and possible extinction
Impact of invasive species and/or disease <sup>7</sup>	Minimal impact on local population numbers or habitat quality	Minor impact on local population numbers or habitat quality. Population in other locations not impacted	Moderate impact on local population numbers or habitat quality. Some impacts on populations in other locations	reduction or loss of local population or loss	Population reduction which may results in species extinction loss of critical habitat extent or quality
Interaction with species migration	Minimal impact on species migratory patterns	Results in minor behavioural modification on a local scale or impacts to physical conditions of animal interfering with migration for the short term only. Unlikely to negatively impact on the overall success of migration	behaviour or animal conditions such that there is potential for medium term impacts,	Results in modification of behaviour or animal condition such that there is potential for medium to long term impacts, both locally and in nearby locations, with some individuals failing to complete migration	Significant impact resulting in either complete failure, or failure of majority of individuals, to complete migration in that cycle



Threat Rating	Assessment Recommendation
Low	Provide advice to the minister that the species is data deficient against the EPBC listing criteria. Do not proceed to step 2.
Medium	Consider invoking s190 and provide the Minister with advice on threats (including priorisation of threats), highlighting areas of data deficiencies and actions that are required to abate the identified threats. Proceed to step 2.
High	Consider invoking s190 and provide the Minister with advice on threats (including priorisation of threats), highlighting areas of data deficiencies and actions that are required to abate the identified threats. Proceed to step 2.
Severe	Consider invoking s190 and provide the Minister with advice on threats (including priorisation of threats), highlighting areas of data deficiencies and actions that are required to abate the identified threats. Proceed to step 2.