

Risk Assessment

The following risk assessment determines the risk of Cotton-top Tamarin (*Saguinus oedipus*) to Tasmania using the Bomford model (2008) and proposes assigned threat categories and import classifications for the species.

Species:	Cotton-top Tamarin (<i>Saguinus oedipus</i>)	
Date of Assessment:	10/4/2014	
Literature search type and date:		
Factor	Score	
A1. Risk posed from individual escapees (0-2)	1	Any bite or scratch from a primate should be referred for medical treatment.
A2. Risk to public safety from individual captive animals (0-2)	0	
Stage A. Risk posed by individual animals (risk that a captive or escape animal would harm people)	Public Safety Risk Score = A1 + A2 = 1	Public Safety Risk Ranking A ≥ 2, Highly Dangerous A = 1, Moderately Dangerous A = 0, Not Dangerous = Moderately Dangerous
B1. Climate match score (1-6)	1	No squares in the top 5 climate matches.
B2. Exotic population established overseas score (0-4)	0	Two populations established outside current range however it was likely within the historic range for the species.
B3. Overseas range size score (0-2)	0	
B4. Taxonomic class score (0-1)	1	
Stage B. Likelihood of establishment (risk that a particular species will establish a wild population in Tasmania)	Establishment Risk Score = B1 + B2 + B3 + B4 = 2	Establishment Risk Ranking B = 11-13, Extreme B = 9-10, High B = 6-8, Moderate B ≤ 5, Low = Low
C1. Taxonomic group (0-4)	0	Not found within any of the orders or families identified in the Policy and Procedures for the Import, Movement and Keeping of Vertebrate Wildlife in Tasmania.
C2. Overseas range size (0-2)	0	Range < 10 million Km ²

C3. Diet and feeding (0-3)	1	Mammal but not a strict carnivore.
C4. Competition for native fauna for tree hollows (0-2)	2	Literature search did not confirm or rule out tree hollow use.
C5. Overseas environmental pest status (0-3)	0	
C6. Climate match to areas with susceptible native species or communities (0-5)	0	All grid squares covering Tasmania showed 0 climate match.
C7. Overseas primary production (0-3)	0	
C8. Climate match to susceptible primary production (0-5)	0	All grid squares covering Tasmania showed 0 climate match.
C9. Spread disease (1-2)	2	Mammal
C10. Harm to property (0-3)	0	Highly unlikely to cause damage to property.
C11. Harm to people (0-5)	1	Low risk of harm to people
Stage C. Consequence of Establishment (risk that an established population would cause harm)	Consequence Risk Score = sum of C1 to C11 = 6	Consequence Risk Ranking C > 19, Extreme C = 15-19, High C = 9-14, Moderate C < 9, Low = Low
ASSIGNED THREAT CATEGORY:	EXTREME SERIOUS MODERATE LOW EXTREME UNTIL PROVEN OTHERWISE	
PROPOSED IMPORT CLASSIFICATION:	PROHIBITED IMPORT RESTRICTED TO THOSE LICENCE HOLDERS APPROVED FOR KEEPING SERIOUS THREAT SPECIES IMPORT RESTRICTED TO THOSE LICENCE HOLDERS APPROVED FOR KEEPING MODERATE THREAT SPECIES IMPORT PERMITTED	

CALCULATING TOTAL COMMODITY DAMAGE SCORE

Column 1	Column 2	Column 3	Column 4	Column 5
Industry	Commodity Value Index (CVI)	Potential Commodity Impact Score (PCIS, 0-3)	Climate Match to Commodity Score (CMCS, 0-5)	Commodity Damage Score (CDS columns 2 x 3 x 4)
Cattle (includes dairy and beef)	11			
Timber (includes native and plantation forests)	10			
Aquaculture	6			
Sheep (includes wool and meat)	5			
Vegetables	5			
Fruit (includes wine grapes)	5			
Poultry (including eggs)	1.5			
Cereal grain (includes wheat, barley, sorghum etc)	1			
Other crops and horticulture (includes nuts and flowers)	1			
Pigs	1			
Bees (includes honey, beeswax, and pollination)	0.5			
Oilseeds (includes canola, sunflower etc)	0.5			
Grain legumes (includes soybeans)	0.3			
Other livestock (includes goats and deer)	0.3			
Total Commodity Damage Score (TCDS)				

APPENDIX B: ASSIGNING SPECIES TO THREAT CATEGORIES

A: Danger posed by individual animals (risk a captive or escaped individual would harm people)	B: Likelihood of establishment (risk that a particular species will establish a wild population in Tasmania)	C: Consequence of establishment (risk that an established population would cause harm)	Threat category	Implications for any proposed import into Tasmania		
Highly, Moderately or Not Dangerous	Extreme	Extreme	Extreme	Prohibited		
Highly, Moderately or Not Dangerous	Extreme	High				
Highly, Moderately or Not Dangerous	Extreme	Moderate				
Highly, Moderately or Not Dangerous	Extreme	Low				
Highly, Moderately or Not Dangerous	High	Extreme				
Highly, Moderately or Not Dangerous	High	High				
Highly, Moderately or Not Dangerous	Moderate	Extreme				
Highly, Moderately or Not Dangerous	High	Moderate				
Highly, Moderately or Not Dangerous	High	Low				
Highly, Moderately or Not Dangerous	Moderate	High	Serious	Import restricted to those licence holders approved for keeping serious threat species		
Highly, Moderately or Not Dangerous	Moderate	Moderate				
Highly, Moderately or Not Dangerous	Moderate	Low				
Highly, Moderately or Not Dangerous	Low	Extreme				
Highly, Moderately or Not Dangerous	Low	High				
Highly, Moderately or Not Dangerous	Low	Moderate				
Highly, Moderately or Not Dangerous	Low	Low				
Moderately or Not Dangerous	Moderate	Moderate			Moderate	Import restricted to those licence holders approved for keeping moderate threat species
Moderately or Not Dangerous	Moderate	Low				
Moderately or Not Dangerous	Low	Moderate				
Moderately Dangerous	Low	Low			Low	Import permitted
Not Dangerous	Low	Low				
Unknown	Any value	Any value				
Any Value	Unknown	Any value				
Any Value	Any value	Unknown				
Unassessed	Unassessed	Unassessed				

