

Risk Assessment

The following risk assessment determines the risk of **Pygmy marmoset (*Callithrix pygmaea*)** to Tasmania using the Bomford model (2008) and proposes assigned threat categories and import classifications for the species.

Species:	Pygmy marmoset (<i>Callithrix pygmaea</i>)	
Date of Assessment:	28 September 2016	
Literature search type and date:	Species Profile submitted by applicant and internet research.	
Factor	Score	
A1. Risk posed from individual escapees (0-2)	1	<i>The animal is unlikely to make unprovoked attacks but can cause serious injury (requiring hospitalisation) or fatality if cornered or handled - mostly from transferrable diseases.</i>
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	
B2. Exotic population established overseas score (0-4)	0	
B3. Overseas range size score (0-2)	1	
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 = 3	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	Other group
C2. Overseas range size (0-2)	0	
C3. Diet and feeding (0-3)	1	
C4. Competition for native fauna for tree hollows (0-2)	0	
C5. Overseas environmental pest status (0-3)	0	
C6. Climate match to areas with susceptible native species or communities (0-5)	1	
C7. Overseas primary production (0-3)	0	
C8. Climate match to susceptible primary production (0-5)	1	
C9. Spread disease (1-2)	2	
C10. Harm to property (0-3)	0	
C11. Harm to people (0-5)	1	
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:	IMPORT RESTRICTED TO THOSE LICENCE HOLDERS APPROVED FOR KEEPING MODERATE THREAT SPECIES	

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	0	0	0
Timber (includes native and plantation forests)	10	1	1	10
Aquaculture	6	0	0	0
Sheep (includes wool and meat)	5	0	0	0
Vegetables	5	0	0	0
Fruit (includes wine grapes)	5	1	1	5
Poultry (including eggs)	1.5	0	0	0
Cereal grain (includes wheat, barley, sorghum etc)	1	0	0	0
Other crops and horticulture (includes nuts and flowers)	1	0	0	0
Pigs	1	0	0	0
Bees (includes honey, beeswax, and pollination)	0.5	0	0	0
Oilseeds (includes canola, sunflower etc)	0.5	0	0	0
Grain legumes (includes soybeans)	0.3	0	0	0
Other livestock (includes goats and deer)	0.3	0	0	0
Total Commodity Damage Score (TCDS)				15

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	Serious	Import restricted to those licence holders approved for keeping serious threat species
Highly, Moderately or Not Dangerous	High	Low		
Highly, Moderately or Not Dangerous	Moderate	High		
Highly Dangerous	Moderate	Moderate		
Highly Dangerous	Moderate	Low		
Highly, Moderately or Not Dangerous	Low	Extreme		
Highly, Moderately or Not Dangerous	Low	High		
Highly Dangerous	Low	Moderate		
Highly Dangerous	Low	Low		
Moderately or Not Dangerous	Moderate	Moderate		
Moderately or Not Dangerous	Moderate	Low		
Moderately or Not Dangerous	Low	Moderate		
Moderately Dangerous	Low	Low		
Not Dangerous	Low	Low	Low	Import permitted
Unknown	Any value	Any value	Extreme until proven otherwise	Prohibited
Any Value	Unknown	Any value		
Any Value	Any value	Unknown		
Unassessed	Unassessed	Unassessed		