

## Risk Assessment

The following risk assessment determines the risk of **scimitar-horned oryx (*Oryx dammah*)** to Tasmania using the Bomford model (2008) and proposes assigned threat categories and import classifications for the species.

Species:	Scimitar-horned oryx ( <i>Oryx dammah</i> )	
Date of Assessment:	30 June 2015	
Literature search type and date:		
Factor	Score	
A1. Risk posed from individual escapees (0-2)	1	
A2. Risk to public safety from individual captive animals (0-2)	0	
<b>Stage A. Risk posed by individual animals (risk that a captive or escape animal would harm people)</b>	<b>Public Safety Risk Score</b> = A1 + A2 = 1	<b>Public Safety Risk Ranking</b> A ≥ 2, Highly Dangerous A = 1, Moderately Dangerous A = 0, Not Dangerous = <b>Moderately Dangerous</b>
B1. Climate match score (1-6)	1	No squares within top five climate match classes
B2. Exotic population established overseas score (0-4)	0	No exotic populations have established
B3. Overseas range size score (0-2)	1	The recent natural geographic range is estimated to have covered around 4,343,248 km <sup>2</sup>
B4. Taxonomic class score (0-1)	1	Mammal
<b>Stage B. Likelihood of establishment (risk that a particular species will establish a wild population in Tasmania)</b>	<b>Establishment Risk Score</b> = B1 + B2 + B3 + B4 = 3	<b>Establishment Risk Ranking</b> B = 11-13, Extreme B = 9-10, High B = 6-8, Moderate B ≤ 5, Low = <b>Low</b>
C1. Taxonomic group (0-4)	4	Order Artiodactyla and Family Bovidae
C2. Overseas range size (0-2)	1	Historical range greater than 10 million km <sup>2</sup>
C3. Diet and feeding (0-3)	3	Primarily a grazer or browser

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)	0	Climatch scores all fall below the threshold
C7. Overseas primary production (0-3)	1	Some damage reported
C8. Climate match to susceptible primary production (0-5)	0	No commodities produced in areas with a match of 3 and above
C9. Spread disease (1-2)	2	Mammal
C10. Harm to property (0-3)	0	
C11. Harm to people (0-5)	1	Low risk of harm to people.
<b>Stage C. Consequence of Establishment (risk that an established population would cause harm)</b>	<b>Consequence Risk Score</b> = sum of C1 to C11 = 12	<b>Consequence Risk Ranking</b> C > 19, Extreme C = 15-19, High C = 9-14, Moderate C < 9, Low = <b>Moderate</b>
<b>ASSIGNED THREAT CATEGORY:</b>	<b>EXTREME</b> <b>SERIOUS</b> <b>MODERATE</b> <b>LOW</b> <b>EXTREME UNTIL PROVEN OTHERWISE</b>	
<b>PROPOSED IMPORT CLASSIFICATION:</b>	<b>PROHIBITED</b> <b>IMPORT RESTRICTED TO THOSE LICENCE HOLDERS APPROVED FOR KEEPING SERIOUS THREAT SPECIES</b> <b>IMPORT RESTRICTED TO THOSE LICENCE HOLDERS APPROVED FOR KEEPING MODERATE THREAT SPECIES</b> <b>IMPORT PERMITTED</b>	

## CALCULATING TOTAL COMMODITY DAMAGE SCORE

Column 1	Column 2	Column 3	Column 4	Column 5
<b>Industry</b>	<b>Commodity Value Index (CVI)</b>	<b>Potential Commodity Impact Score (PCIS, 0-3)</b>	<b>Climate Match to Commodity Score (CMCS, 0-5)</b>	<b>Commodity Damage Score (CDS columns 2 x 3 x 4)</b>
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			
<b>Total Commodity Damage Score (TCDS)</b>				



## APPENDIX B: ASSIGNING SPECIES TO THREAT CATEGORIES

<b>A: Danger posed by individual animals</b> (risk a captive or escaped individual would harm people)	<b>B: Likelihood of establishment</b> (risk that a particular species will establish a wild population in Tasmania)	<b>C: Consequence of establishment</b> (risk that an established population would cause harm)	<b>Threat category</b>	<b>Implications for any proposed import into Tasmania</b>
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		