

Risk Assessment

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

| Species: | | |
|---|---|--|
| Date of Assessment: | 23 July 2019 | |
| Literature search type and date: | Internet, Species Profile, DPIPW literature search | |
| Factor | Score | |
| A1. Risk posed from individual escapees (0-2) | 1 | The animal is unlikely to make an unprovoked attack but can cause serious injury (requiring hospitalisation) if cornered or handled |
| A2. Risk to public safety from individual captive animals (0-2) | 0 | Nil or low risk (highly unlikely or not possible) |
| 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) | 3 | 8 Squares >5 |
| B2. Exotic population established overseas score (0-4) | 0 | No exotic populations have been established |
| B3. Overseas range size score (0-2) | 2 | >70 million km ² |
| B4. Taxonomic class score (0-1) | 1 | Mammal |
| Stage B. Likelihood of establishment (risk that a particular species will establish a wild population in Tasmania) | Establishment Risk Score = B1 + B2 + B3 + B4 = 6 | Establishment Risk Ranking B = 11-13, Extreme B = 9-10, High B = 6-8, Moderate B ≤ 5, Low = Moderate |
| C1. Taxonomic group (0-4) | 2 | Mammal in one of the orders that have been demonstrated to have detrimental effects on prey abundance and/or habitat degradation (Carnivora, Artiodactyla, Rodentia, Lagomorpha, |

| | | |
|---|--|---|
| | | Perissodactyla and Marsupialia) |
| C2. Overseas range size (0-2) | 2 | Greater than 30 Million square kilometres. |
| C3. Diet and feeding (0-3) | 3 | Mammal that is a strict carnivore (eats only animal matter) and arboreal (climbs trees for any reason. |
| C4. Competition for native fauna for tree hollows (0-2) | 0 | |
| | | |
| C5. Overseas environmental pest status (0-3) | 0 | Never reported as an environmental pest in any country or region. |
| C6. Climate match to areas with susceptible native species or communities (0-5) | 5 | 75% of the geographic range of one or more susceptible native species or ecological communities that are listed as threatened under Tasmanian legislation lies within the mapped area of the six climate match classes. |
| C7. Overseas primary production (0-3) | 3 | Major pest of Primary productions in any country or region. |
| C8. Climate match to susceptible primary production (0-5) | 5 | |
| C9. Spread disease (1-2) | 2 | Mammal |
| C10. Harm to property (0-3) | 0 | |
| C11. Harm to people (0-5) | 3 | |
| Stage C. Consequence of Establishment (risk that an established population would cause harm) | Consequence Risk Score = sum of C1 to C11 = 25 | Consequence Risk Ranking C > 19, Extreme C = 15-19, High C = 9-14, Moderate C < 9, Low =Extreme |
| 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 | 2 | 4 | 88 |
| Timber (includes native and plantation forests) | 10 | 0 | 3 | 0 |
| Aquaculture | 6 | 1 | 4 | 24 |
| Sheep (includes wool and meat) | 5 | 3 | 4 | 60 |
| Vegetables | 5 | 0 | 4 | 0 |
| Fruit (includes wine grapes) | 5 | 0 | 4 | 0 |
| Poultry (including eggs) | 1.5 | 3 | 4 | 18 |
| Cereal grain (includes wheat, barley, sorghum etc) | 1 | 0 | 4 | 0 |
| Other crops and horticulture (includes nuts and flowers) | 1 | 0 | 4 | 0 |
| Pigs | 1 | 3 | 4 | 12 |
| Bees (includes honey, beeswax, and pollination) | 0.5 | 0 | 4 | 0 |
| Oilseeds (includes canola, sunflower etc) | 0.5 | 0 | 4 | 0 |
| Grain legumes (includes soybeans) | 0.3 | 0 | 4 | 0 |
| Other livestock (includes goats and deer) | 0.3 | 3 | 4 | 4 |
| Total Commodity Damage Score (TCDS) | | | | 206 |

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 | 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 | | |
| 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 | | |