

# Risk Assessment

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

| <b>Species:</b>   |  | <b>White-cheeked gibbon <i>Nomascus leucogenys</i></b>  |
|---|--|---|
| Date of Assessment:   | 13 September 2018  |   |
| Literature search type and date:  | Species profile (and references), internet, IUCN                     |   |
| <b>Factor</b>   | <b>Score</b>   |   |
| A1. Risk posed from individual escapees (0-2)   | 1  | The animal can make unprovoked attacks causing moderate injury (requiring medical attention) or severe discomfort but is highly unlikely (few if any records) to cause serious injury (requiring hospitalisation) if unprovoked |
| A2. Risk to public safety from individual captive animals (0-2)   | 0  | Nil or low risk (highly unlikely or not possible)   |
| <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><br>= A1 + A2<br>= <b>1</b>           | <b>Public Safety Risk Ranking</b><br>A ≥ 2, Highly Dangerous<br>A = 1, Moderately Dangerous<br>A = 0, Not Dangerous<br>= <b>Moderately Dangerous</b>  |
| B1. Climate match score (1-6)   | 1  | (Very Low)<br>No squares ranked >6  |
| B2. Exotic population established overseas score (0-4)  | 0  | No exotic populations have been established   |
| B3. Overseas range size score (0-2)   | 0  | 93, 038km <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><br>= B1 + B2 + B3 + B4<br>= <b>2</b> | <b>Establishment Risk Ranking</b><br>B = 11-13, Extreme<br>B = 9-10, High<br>B = 6-8, Moderate<br>B ≤ 5, Low<br>= <b>Low</b>  |
| C1. Taxonomic group (0-4)   | 0  | Other Group - Primate   |

|   |   |   |
|---|---|---|
|   |   |   |
| C2. Overseas range size (0-2)   | 0   |   |
| C3. Diet and feeding (0-3)  | 0   | Other herbivorous mammal or not a mammal  |
| 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)                     | 0   | The species has no grid squares within the highest six climate match classes that overlap the distribution of any susceptible native species or ecological communities    |
| C7. Overseas primary production (0-3)   | 0   | No reports of damage to crops or other primary production in any country or region  |
| C8. Climate match to susceptible primary production (0-5)   | 0   | None of the commodity is produced in areas where the species has a climate match within the highest eight climate match classes (i.e. classes 10, 9, 8, 7, 6, 5, 4 and 3) |
| C9. Spread disease (1-2)  | 2   | Mammal  |
| C10. Harm to property (0-3)   | 0   |   |
| C11. Harm to people (0-5)   | 0   |   |
| <b>Stage C. Consequence of Establishment (risk that an established population would cause harm)</b> | <b>Consequence Risk Score</b><br>= sum of C1 to C11<br>= <b>2</b> | <b>Consequence Risk Ranking</b><br>C > 19, Extreme<br>C = 15-19, High<br>C = 9-14, Moderate<br>C < 9, Low<br>= <b>Low</b>   |
| <b>ASSIGNED THREAT CATEGORY:</b>  | <b>EXTREME</b><br><b>SERIOUS</b><br><b>MODERATE</b><br><b>LOW</b> |   |

|  |   |
|--|---|
|  | <b>EXTREME UNTIL PROVEN OTHERWISE</b>   |
| <b>PROPOSED IMPORT CLASSIFICATION:</b> | <b>PROHIBITED</b><br><b>IMPORT RESTRICTED TO THOSE LICENCE<br/>HOLDERS APPROVED FOR KEEPING SERIOUS<br/>THREAT SPECIES</b><br><b>IMPORT RESTRICTED TO THOSE LICENCE<br/>HOLDERS APPROVED FOR KEEPING MODERATE<br/>THREAT SPECIES</b><br><b>IMPORT PERMITTED</b> |

## 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  | 0  | 0  |
| 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  | 0  | 0  |
| 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                           | 1  | 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  |
| <b>Total Commodity Damage Score (TCDS)</b>               |                             |  |  | 0  |

## 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  | 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  |                                |   |