**COST-EFFECTIVE RESOURCE ALLOCATOR: A DECISION SUPPORT TOOL FOR THREATENED SPECIES MANAGEMENT**

**Appendix S4.** Strategy tables for expert elicitation.

|  |  |
| --- | --- |
| **Assessor (please circle)** | **A B C D E F G H** |
| **Species** |  |
| **Planning time horizon (years)** |  |

**WITHOUT MANAGEMENT STRATEGY**

***At the conclusion of the planning period, and in the absence of management intervention***

1. **What will have been the magnitude of decline (%) over the planning period?**

|  |  |
| --- | --- |
| *Best case scenario* (≥0%) |  |
| *Worst case scenario* (≤100%) |  |
| *Most likely estimate (this should lie between worst and best case scenarios)* |  |
| *How confident are you the truth will lie between your nominated worst case and best case scenarios? (as a percentage >50%)* |  |

1. **What will be the population size of mature individuals? The population of interest is the metapopulation which partly or wholly occurs within the park’s boundaries.**

|  |  |
| --- | --- |
| *Worst case scenario* |  |
| *Best case scenario* |  |
| *Most likely estimate (this should lie between worst and best case scenarios)* |  |
| *How confident are you the truth will lie between your nominated worst case and best case scenarios? (as a percentage >50%)* |  |

**For reference - A rule set for assigning Conservation Status**

Adapted from *IUCN. (2001). IUCN Red List Categories and Criteria: Version 3.1. IUCN Species Survival Commission. IUCN, Gland, Switzerland and Cambridge, UK*

|  |  |  |  |
| --- | --- | --- | --- |
|  | **CR** | **EN** | **VU** |
| **Rule A.** Decline in population size in the past 10 years, or three generations, whichever is longer. | ≥80% | ≥50% | ≥30% |
| **Rule D.** Population size of mature individuals | <50 | <250 | <1,000 |

|  |  |
| --- | --- |
| **Assessor (please circle)** | **A B C D E F G H** |
| **Species** |  |
| **Planning time horizon (years)** |  |
| **Strategy (please circle)** | **1 2 3 4 5 6 7 8 9 10 11 12 13 14 15** **16 17 18 19 20 21 22 23 24 25 26 27 28 29 30****31 32 33 34 35 36 37 38 39 40 41 42 43 44 45****46 47 48 49 50**  |

**WITH MANAGEMENT STRATEGY**

***At the conclusion of the planning period, and in the presence of ONLY the specified management strategy***

1. **What will have been the magnitude of decline (%) over the planning period?**

|  |  |
| --- | --- |
| *Best case scenario* (≥0%) |  |
| *Worst case scenario* (≤100%) |  |
| *Most likely estimate (this should lie between worst and best case scenarios)* |  |
| *How confident are you the truth will lie between your nominated worst case and best case scenarios? (as a percentage >50%)* |  |

1. **What will be the population size of mature individuals? The population of interest is the metapopulation which partly or wholly occurs within the park’s boundaries.**

|  |  |
| --- | --- |
| *Worst case scenario* |  |
| *Best case scenario* |  |
| *Most likely estimate (this should lie between worst and best case scenarios)* |  |
| *How confident are you the truth will lie between your nominated worst case and best case scenarios? (as a percentage >50%)* |  |