**Part II: Status Appraisal Summary Template**

**If used for an Addendum (Option 2), rename “Status Appraisal Summary” as “Addendum”.**

[**Instructions**: All text within report must Align left. Insert a space between paragraphs. Use line numbers throughout.] (style = Arial Font I2). Delete this paragraph upon completion of the report.]

**[date]**

# STATUS APPRAISAL SUMMARY

[Notes for completing the form: Double click on check-boxes to check or uncheck. Provide an explanation for every section even if it’s only “no additional data since last assessment." Text for the Evidence or Explanation is to be placed immediately below the text box. Existing status reports plus status appraisal summaries (SASs) and update status reports can be used to review the status classification of a wildlife species. An existing status report plus SAS will typically be used when little new information has been generated since the last COSEWIC assessment and when the limited information that is available suggests that the status of a wildlife species has not changed since its last assessment. A few pages should **normally** be sufficient to provide details. The SAS shall include an updated Technical Summary and should also include an up-to-date map showing the current distribution of the wildlife species in Canada, if changed since its last assessment. The inclusion of a Threats Assessment using the IUCN Threats Calculator (see Appendix F13 Threats Assessment) is optional and at the discretion of the responsible SSC Co-chair in consultation with the writer, the SSC and relevant jurisdictions. Any new information pertaining to the COSEWIC criteria or influencing their interpretation should be provided. Anything in square brackets needs to be completed and the brackets should be removed before the form is submitted. Remove these notes before submission.]

[Species] [DU]

[English common name]

[nom commun français]

[*Genus species*]

Range of occurrence in Canada (province/territory/ocean):

[NOTE: Current COSEWIC Assessment (box SAS 1 to SAS 5) is removed after a Wildlife Species Assessment Meeting when the report is finalized. The information can be found in the Technical Summary.]

|  |  |
| --- | --- |
|  | **Current COSEWIC Assessment:** |
|  | Status category: |
| **SAS 1**  **SAS 2**  **SAS 3**  **SAS 4** | XTE TSC  Date of last assessment:  Reason for designation at last assessment:  Criteria applied at last assessment:  If the earlier version of criteria was applied[[1]](#footnote-1), provide correspondence to current version of the criteria: |
|  |  |

|  |  |
| --- | --- |
| **SAS 5** | **SSC Recommendation:** |
|  | No change in status and criteria  No change in status, new criteria |
|  |  |

**Evidence (indicate as applicable):**

[Because the previous status and SSC recommendation are removed when the SAS is finalized, wording under “Evidence”, if appropriate, could be moved to **Summary and Additional Considerations.**]

|  |  |  |
| --- | --- | --- |
| **SAS 6** | **Wildlife species:** | |
|  | Change in eligibility, taxonomy or designatable units: | yes  no |
|  |  | |

**Explanation:**

|  |  |  |
| --- | --- | --- |
|  | **Range:** | |
| **SAS 7** | Change in Extent of Occurrence (EOO): | yes  no  unk |
| **SAS 8** | Change in Index of Area of Occupancy (IAO) : | yes  no  unk |
| **SAS 9** | Change in number of known or inferred current locations[[2]](#footnote-2): | yes  no  unk |
| **SAS 10** | Significant new survey information | yes  no |
|  |  | |

**Explanation:**

|  |  |  |
| --- | --- | --- |
|  | **Population Information:** |  |
| **SAS 11** | Change in number of mature individuals: | yes  no  unk |
| **SAS 12** | Change in population trend: | yes  no  unk |
| **SAS 13** | Change in severity of population fragmentation: | yes  no  unk |
| **SAS 14** | Change in trend in area and/or quality of habitat: | yes  no  unk |
| **SAS 15** | Significant new survey information | yes  no |
|  |  | |

**Explanation:**

|  |  |  |
| --- | --- | --- |
| **SAS 16** | **Threats:** | |
|  | Change in nature and/or severity of threats: | yes  no  unk |
|  |  | |

**Explanation:**

|  |  |  |
| --- | --- | --- |
| **SAS 17** | **Protection:** | |
|  | Change in effective protection: | yes  no  unk |
|  |  | |

**Explanation:**

|  |  |  |
| --- | --- | --- |
| **SAS 18** | **Rescue Effect:** | |
|  | Change in evidence of rescue effect: | yes  no |
|  |  | |

**Explanation:**

|  |  |  |
| --- | --- | --- |
| **SAS 19** | **Quantitative Analysis:** | |
|  | Change in estimated probability of extirpation: | yes  no  unk |
|  |  | |

**Details:**

**Summary and Additional Considerations [e.g., recovery efforts; summarize exactly what has changed since the previous assessment]**

**Acknowledgements:**

**Authorities contacted:**

**Information sources:**

**Writer of SAS:**

[Section and page break]

**TECHNICAL SUMMARY**

**Instructions (to be deleted after completion):** Complete the Technical Summary after you have finished the report. Provide one Technical Summary for each proposed designatable unit (refer to [Guidelines for Recognizing Designatable Units](http://cosewic.ca/index.php/en-ca/reports/preparing-status-reports/guidelines-recognizing-designatable-units)) as well as the species in its entirety within Canada. For the meanings of terms in this Technical Summary, refer to the section entitled [Definitions and Abbreviations](http://cosewic.ca/index.php/en-ca/about-us/definitions-abbreviations) found accompanying the [Information for Preparing Status Reports](http://cosewic.ca/index.php/en-ca/reports/preparing-status-reports/guidelines-recognizing-designatable-units) on the COSEWIC/COSEPAC website ( http://cosewic.ca).

Provide requested data and relevant associated information in the fields on the right-hand column. In the fields that include **“observed, inferred or projected”,** etc. leave the text in the left column intact, but add text such as **“yes, inferred”** or **“yes, inferred and projected”** to the right column.

If details of items in the technical summary are provided in status report text, cite relevant status report section(s). If an item in the technical summary is not applicable (e.g., a quantitative analysis was not done) delete the bracketed text.

When using a percentage clearly indicate whether the percentage refers to an increase or a reduction by using a plus or minus sign. Delete these four paragraphs of instructions upon completion of the Technical Summary.

|  |  |
| --- | --- |
| [Genus species] | |
| [English common name]  [Nom commun français] |  |
| Range of occurrence in Canada (province/territory/ocean): | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | |  |  | |
|  | **Demographic Information** | | | | | |  |
| 1. | Generation time (usually average age of parents in the population; indicate if another method of estimating generation time indicated in the IUCN guidelines(2011) is being used) | | | | | | ­\_\_ yrs |
| 2. | Is there an [observed, inferred, or projected] continuing decline in number of mature individuals? | | | | | |  |
| 3. | Estimated percent of continuing decline in total number of mature individuals within [5 years or 2 generations, whichever is longer up to a maximum of 100 years] | | | | | |  |
| 4. | [Observed, estimated, inferred, or suspected] percent [reduction or increase] in total number of mature individuals over the last [10 years, or 3 generations, whichever is longer up to a maximum of 100 years]. | | | | | |  |
| 5. | [Projected or suspected] percent [reduction or increase] in total number of mature individuals over the next [10 years, or 3 generations, whichever is longer up to a maximum of 100 years]. | | | | | |  |
|  | [Observed, estimated, inferred, or suspected] percent [reduction or increase] in total number of mature individuals over any period [10 years, or 3 generations, whichever is longer up to a maximum of 100 years], including both the past and the future. | | | | | |  |
| 7. | Are the causes of the decline a. clearly reversible and b. understood and c. ceased? | | | | | | a.  b.  c. |
| 8. | Are there extreme fluctuations in number of mature individuals? | | | | | |  |
|  |  | | | | | |  |
|  | **Extent and Occupancy Informatio**n | | | | | | |
| 9. | Estimated extent of occurrence (EOO) | | | | | | km² |
| 10. | Index of area of occupancy (IAO)  (Always report 2x2 grid value). | | | | | | km² |
| 11. | Is the population “severely fragmented” i.e., is >50% of its total area of occupancy in habitat patches that are (a) smaller than would be required to support a viable population, and (b) separated from other habitat patches by a distance larger than the species can be expected to disperse? | | | | | | a.  b. |
| 12. | Number of “locations”[[3]](#footnote-3)\* (use plausible range to reflect uncertainty if appropriate) | | | | | |  |
| 13. | Is there an [observed, inferred, or projected] decline in extent of occurrence? | | | | | |  |
| 14. | Is there an [observed, inferred, or projected] decline in index of area of occupancy? | | | | | |  |
| 15. | Is there an [observed, inferred, or projected] decline in number of subpopulations? | | | | | |  |
| 16. | Is there an [observed, inferred, or projected] decline in number of “locations”\*? | | | | | |  |
| 17. | Is there an [observed, inferred, or projected] decline in [area, extent and/or quality] of habitat? | | | | | |  |
| 18. | Are there extreme fluctuations in number of subpopulations? | | | | | |  |
| 19. | Are there extreme fluctuations in number of “locations”[[4]](#footnote-4)\*? | | | | | |  |
|  | Are there extreme fluctuations in extent of occurrence? | | | | | |  |
| 21. | Are there extreme fluctuations in index of area of occupancy? | | | | | |  |
|  | **Number of Mature Individuals (in each subpopulation)** | | | | | | |
| 22. | Subpopulations (give plausible ranges) | | | | | | N Mature Individuals |
|  |  | | | | | |  |
|  |  | | | | | |  |
|  | Total | | | | | |  |
|  | **Quantitative Analysis** | | | | | | |
| 23. | Is the probability of extinction in the wild at least [20% within 20 years or 5 generations whichever is longer up to a maximum of 100 years, or 10% within 100 years]? | | | | | |  |
|  |  | | | | | |  |
|  | **Threats (direct, from highest impact to least, as per IUCN Threats Calculator)** | | | | | | |
| 24. | |  | | --- | | Was a threats calculator completed for this species?    What additional limiting factors are relevant? |   **Rescue Effect (immigration from outside Canada)** | | | | | | |
| 25. | Status of outside population(s) most likely to provide immigrants to Canada. | | | | | |  |
| 26. | Is immigration known or possible? | | | | | |  |
| 27. | Would immigrants be adapted to survive in Canada? | | | | | |  |
| 28. | Is there sufficient habitat for immigrants in Canada? | | | | | |  |
| 29. | Are conditions deteriorating in Canada?[[5]](#footnote-5)+ | | | | | |  |
| 30. | Are conditions for the source (i.e., outside) population deteriorating?[[6]](#footnote-6)+ | | | | | |  |
| 31. | Is the Canadian population considered to be a sink?[[7]](#footnote-7)+ | | | | | |  |
| 32. | Is rescue from outside populations likely? | | | | | |  |
|  | **Data Sensitive Species** | | |
| 33. | Is this a data sensitive species? | | | | | |  |
|  | **Current Status** | | | | | | |
| 34. | COSEWIC: | | | | | | |
| 35. | Year Assessed: | | | | | | |
| 36. | COSEWIC Status History:  NOTE e.g.,: The species was considered a single unit and designated Special Concern in April 1983. Split into two populations in May 2002. The Atlantic population was designated Endangered in May 2002. Status re-examined and confirmed in May 2012. | | | | | | |
| 37. | Criteria: | | | | | | |
| 38. | Reasons for Designation: | | | | | | |
|  | **Recommended Status and Reasons for Designation:** | | | | | | |
| 39. | Recommended Status:  NOTE this is changed to current ‘status’ after a Wildlife Species Assessment Meeting when the report is finalized | | | | | 40. Alpha-numeric codes: | |
| 41. | Reasons for designation: | | | | | | |
|  |  | | | | | | |
|  | **Applicability of Criteria** | | | | | | |
| 42. | Criterion A (Decline in Total Number of Mature Individuals): | | | | | | |
| 43. | Criterion B (Small Distribution Range and Decline or Fluctuation): | | | | | | |
| 44. | Criterion C (Small and Declining Number of Mature Individuals): | | | | | | |
| 45. | Criterion D (Very Small or Restricted Population): | | | | | | |
| 46. | Criterion E (Quantitative Analysis): | | | | | | |

[Section and page break]

1. An earlier version of the quantitative criteria was used by COSEWIC from October 1999 to May 2001 and is available on the COSEWIC website: http://cosewic.ca/index.php/en-ca/assessment-process/wildlife-species-assessment-process-categories-guidelines/quantitative-criteria/criteria-definitions-species-status-assessments-1999-2001 [↑](#footnote-ref-1)
2. Use the IUCN definition of “location” [↑](#footnote-ref-2)
3. \* See Definitions and Abbreviations on [COSEWIC website](http://cosewic.ca/index.php/en-ca/about-us/definitions-abbreviations) and [IUCN](http://www.iucnredlist.org/technical-documents/red-list-documents) (Feb 2014) for more information on this term [↑](#footnote-ref-3)
4. [↑](#footnote-ref-4)
5. + See [Table 3](http://cosewic.ca/index.php/en-ca/assessment-process/wildlife-species-assessment-process-categories-guidelines/modifications-rescue-effect) ( Guidelines for modifying status assessment based on rescue effect) [↑](#footnote-ref-5)
6. [↑](#footnote-ref-6)
7. [↑](#footnote-ref-7)