COSEWIC Status Report

on

[English Common Name]

*[Latin Name]*

[Insert figure of species]

DRAFT or PROVISIONAL or POST-PROVISIONAL STATUS REPORT

Send comments to [Name of Co-chair], Co-chair [SSC] ([Co-chair@email.com])

Due date for comments: [Left blank by author]

Anticipated Assessment Date: [Left blank by author]

Funding provided by [insert funding source]

[Section and page break]

[**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.]

**EXECUTIVE SUMMARY**

**Wildlife Species Description and Significance**

**Distribution**

**Habitat**

**Biology**

**Population Sizes and Trends**

**Threats and Limiting Factors**

**Protection, Status and Ranks**

**TECHNICAL SUMMARY**

[**Instructions:** 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](https://www.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](https://www.cosewic.ca/index.php/en-ca/about-us/definitions-abbreviations) found accompanying the [Information for Preparing Status Reports](https://www.cosewic.ca/index.php/en-ca/reports/preparing-status-reports) on the COSEWIC/COSEPAC website (<https://www.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”[[1]](#footnote-1)\* (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”[[2]](#footnote-2)\*? | | | | | |  |
|  | 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?[[3]](#footnote-3)+ | | | | | |  |
| 30. | Are conditions for the source (i.e., outside) population deteriorating?[[4]](#footnote-4)+ | | | | | |  |
| 31. | Is the Canadian population considered to be a sink?[[5]](#footnote-5)+ | | | | | |  |
| 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): | | | | | | |

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**PREFACE**

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**WILDLIFE SPECIES DESCRIPTION AND SIGNIFICANCE**

Name and Classification

Morphological Description

Population Spatial Structure and Variability

Designatable Units

Special Significance

**DISTRIBUTION**

Global Range

Canadian Range

Extent of Occurrence and Area of Occupancy

Search Effort

**HABITAT**

Habitat Requirements

Habitat Trends

**BIOLOGY**

[Text for preamble (see [*Information for Preparing Status Reports*](https://www.canada.ca/en/environment-climate-change/services/committee-status-endangered-wildlife/information-preparing-status-reports.html)on the COSEWIC website [https://www.canada.ca/en/environment-climate-change/services/committee-status-endangered-wildlife.html for details](https://www.canada.ca/en/environment-climate-change/services/committee-status-endangered-wildlife.html%20for%20details)).

Life Cycle and Reproduction

Physiology and Adaptability

Dispersal and Migration

Interspecific Interactions

**POPULATION SIZES AND TRENDS**

Sampling Effort and Methods

Abundance

Fluctuations and Trends

Rescue Effect

**THREATS AND LIMITING FACTORS**

Threats

Limiting Factors

Number of Locations

**PROTECTION, STATUS AND RANKS**

Legal Protection and Status

Non-Legal Status and Ranks

Habitat Protection and Ownership

**ACKNOWLEDGEMENTS**

**AUTHORITIES CONTACTED**

**INFORMATION SOURCES**

[List references with a space between each. Refer to the [*Information for the Preparing Status Reports*](https://www.canada.ca/en/environment-climate-change/services/committee-status-endangered-wildlife/information-preparing-status-reports.html)on the COSEWIC/COSEPAC website (<https://www.canada.ca/en/environment-climate-change/services/committee-status-endangered-wildlife.html>) for bibliographic style]

**BIOGRAPHICAL SUMMARY OF REPORT WRITER(S)**

**COLLECTIONS EXAMINED**

List of tables

Table 1. [Caption to table 1]

|  |  |  |  |
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List of figures

[Where possible, create TIFF, JPEG or GIF image files that can be inserted within the Status Report as pictures in Microsoft Word®. Provide the image files separately in addition to the single Microsoft Word® file containing the complete and formatted Status Report including all pictures.]

[Format is the following:]

Figure 1. [Caption to figure 1]

[Figure placement: All figures must be collected and inserted sequentially at the end of the report, right after the tables.]

List of appendices

[Note: Appendices containing sensitive or confidential information must be submitted as separate documents and ***not*** be indicated in the table of contents or referenced in the report(see [*Information for PreparingStatus Reports*](https://www.canada.ca/en/environment-climate-change/services/committee-status-endangered-wildlife/information-preparing-status-reports.html) on the COSEWIC website <https://www.canada.ca/en/environment-climate-change/services/committee-status-endangered-wildlife.html> for details)]

Appendix 1. [Caption to Appendix 1]

|  |  |  |
| --- | --- | --- |
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1. \* See Definitions and Abbreviations on [COSEWIC website](https://www.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-1)
2. [↑](#footnote-ref-2)
3. + See [Table 3](https://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-3)
4. [↑](#footnote-ref-4)
5. [↑](#footnote-ref-5)