

Callophrys mossii

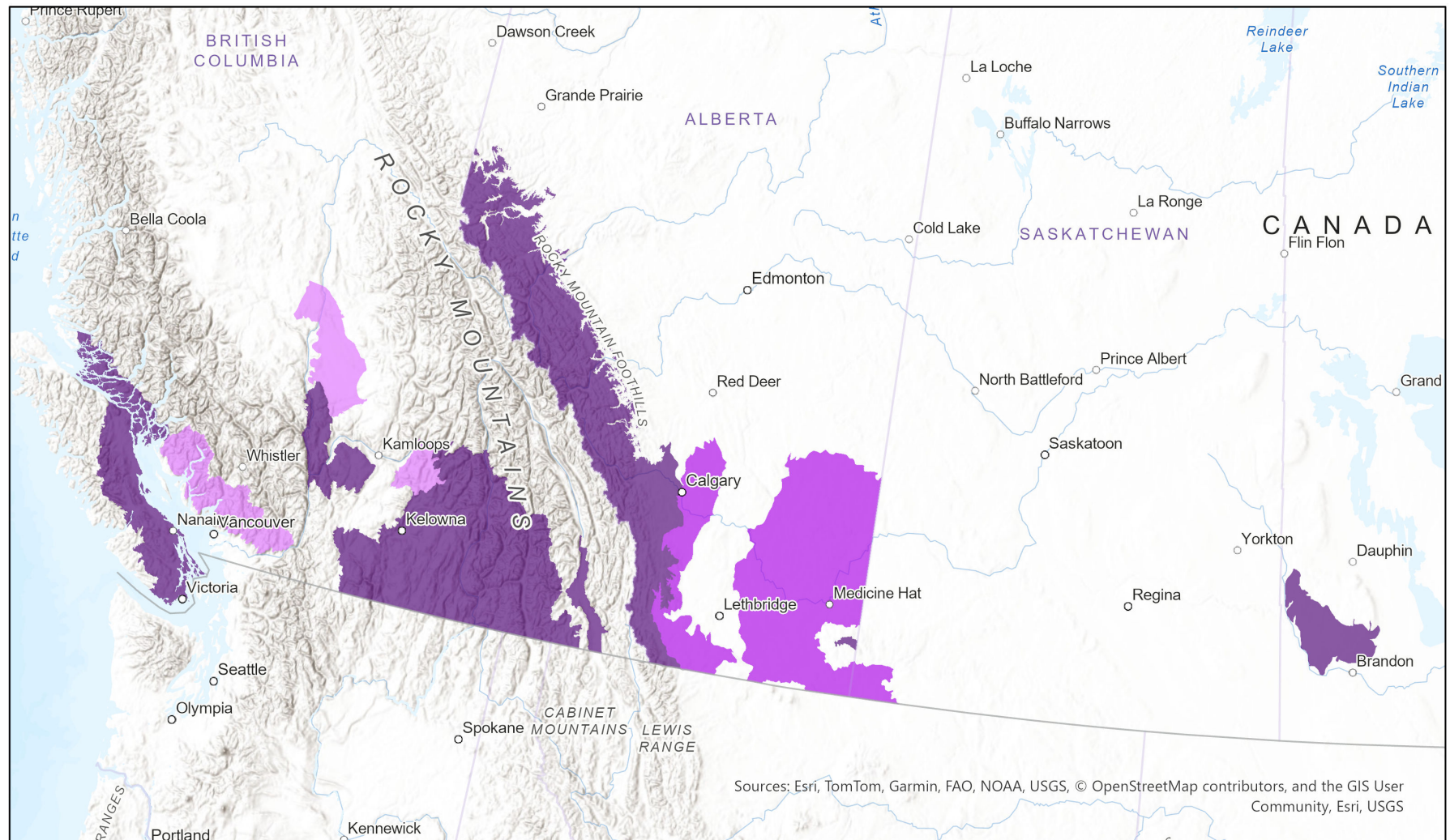


- Present
- Presence Expected
- Historical

Ecosystem-based Automated Range (EBAR)

Date Generated: June 13, 2025; Version: 1.0; Stage: Expert Reviewed (National); Scope: Canadian

Synonyms Used: None



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Esri, USGS

0 175 350 km

Input Records - 9 AB Element Occurrences, 2 Avis, pers. comm. (Lepidoptera Observations), 3 BAMONA, 8 BC Non-sensitive Element Occurrences, 4 BC Survey Observations, 160 GBIF, 116 iNaturalist.ca, 3 iNaturalist.org, 3 MT Ranges, 12 Peabody Museum of Natural History; Expert Reviews - Jayme Lewthwaite, Joel Gibson, Doug Macaulay, Jayme Lewthwaite

Map centre: 113.3836° W 51.9293° N
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EBAR is relatively coarse scale data and not intended for all applications and analysis. Please see full disclaimer in metadata.

Ecosystem-based Automated Range (EBAR) Metadata

Species

National Scientific Name:	<i>Callophrys mossii</i> (Hy. Edwards, 1881)
Scientific Name Reference:	Pelham, J.P. 2023. A catalogue of the butterflies of the United States and Canada. Revised 15 February 2023. http://butterfliesofamerica.com/US-Can-Cat.htm
National English Name:	Moss' Elfin
National French Name:	Lutin de Moss
Element National ID:	176219
Element Global ID:	106767 (go to NatureServe Explorer)
Element Code:	IILEPE2200
Endemism Type:	N
Canadian COSEWIC Name:	
Canadian COSEWIC ID:	

Rank/Status

Global Rank:	G4 (reviewed March 24, 2023)
National Rank (Canada):	N4 (reviewed 2022)
Subnational Ranks (Canada):	AB=SU, BC=S4
National Rank (United States):	N4 (reviewed 2001)
Subnational Ranks (United States):	CA=SNR, CO=S3, ID=S4, MT=S4, OR=SNR, WA=S3, WY=SNR
National Rank (Mexico):	None
Subnational Ranks (Mexico):	None
Canadian SARA Status:	None
Canadian COSEWIC Status:	None
US ESA Status:	PS

Range Map

Date Generated:	June 13, 2025
Version:	1.0
Stage:	Expert Reviewed (National)
Scope:	Canadian
Metadata:	Primary Species - <i>Callophrys mossii</i> (Hy. Edwards, 1881); Secondary Species - <i>Callophrys mossii mossii</i> (Hy. Edwards, 1881), <i>Callophrys mossii schryveri</i> (Cross, 1937) Input Records - 9 AB Element Occurrences, 2 Avis, pers. comm. (Lepidoptera Observations), 3 BAMONA, 8 BC Non-sensitive Element Occurrences, 4 BC Survey Observations, 160 GBIF, 116 iNaturalist.ca, 3 iNaturalist.org, 3 MT Ranges, 12 Peabody Museum of Natural History; Expert Reviews - Jayme Lewthwaite, Joel Gibson, Doug Macaulay, Jayme Lewthwaite
Comments:	None Please see spatial data for Ecoshape-level reviewer comments.
Disclaimer:	Please review our methods document before using EBAR. EBAR range data are relatively coarse scale and appropriate for screening and education purposes, but are not intended for all types of applications and analysis. The absence of data in any geographic areas does not necessarily mean that a species is not present. An ecoshape with a presence value does not necessarily mean that a species is present throughout the entire geographic area.

Presence Definitions:

(Please see Comments above for any exceptions)

Present - the species is found within the ecoshape based on species observation data, Element Occurrences, Source Features, Canadian Federal Critical Habitat, or expert opinion.

Presence Expected - expert opinion the species may be present, or the ecoshape overlapped with a range estimate or a habitat suitability model.

Historical - all species occurrence data within the ecoshape contains observation data greater than 40 years old or an Element Occurrence (EO) that was ranked as Extirpated or Historical (EO Rank of H, H?, X or X?), or expert opinion that the species is extirpated or historical.

Usage Type Definitions:

(Please see Comments above for any exceptions)

Breeding - the species is thought to breed within the ecoshape based on eBird Breeding and Behaviour Codes or expert opinion.

Possible Breeding - the species is probably or possibly breeding within the ecoshape based on eBird, BBA or jurisdiction Breeding and Behaviour Codes, or on expert opinion.

Map Projection:

North America Albers Equal Area Conic (WKID 4269)

Credits

Suggested Citation:

NatureServe Canada, 2020. Ecosystem-based Automated Range (EBAR) for *Callophrys mossii*, Version 1.0, Expert Reviewed (National) (Canadian Scope). Ottawa, Canada. Retrieved from [insert url] on [insert date]

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Project Website:

www.natureserve.org/canada/ebars

Contact:

ebars-kba@natureserve.ca

Input References:

AB Element Occurrences - Alberta Conservation Information Management System, Alberta Environment and Parks, Edmonton
Avis, pers. comm. (Lepidoptera Observations) - Libby and Rick Avis, pers. comm. 2021; 2022
BAMONA - [Lotts, Kelly and Thomas Naberhaus, coordinators. 2017. Butterflies and Moths of North America. Data set exported 2020-06-17 at http://www.butterfliesandmoths.org/. Acknowledgment: Data were provided by the Butterfly and Moth Information Network and the many participants who contribute to its Butterflies and Moths of North America project.](#)
BC Non-sensitive Element Occurrences - British Columbia Conservation Data Centre
BC Survey Observations - British Columbia Conservation Data Centre
GBIF - [Global Biodiversity Information Facility](#)
GBIF - [GBIF Occurrence Download https://doi.org/10.15468/dl.e3ax32](https://doi.org/10.15468/dl.e3ax32) Accessed from R via [rgbif \(https://github.com/ropensci/rgbif\)](#) on 2024-06-21
GBIF - [GBIF.org \(29 June 2023\)](#) GBIF Occurrence Download <https://doi.org/10.15468/dl.ync22y>
iNaturalist.ca - [California Academy of Sciences and the National Geographic Society](#)
iNaturalist.org - [California Academy of Sciences and the National Geographic Society](#)
MT Ranges - Montana Natural Heritage Program
Peabody Museum of Natural History - Lawrence F. Gall, Entomology Collections Manager, Peabody Museum of Natural History, Yale University

Reviewers by Taxa:

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