

# Gulo gulo

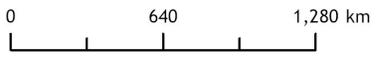
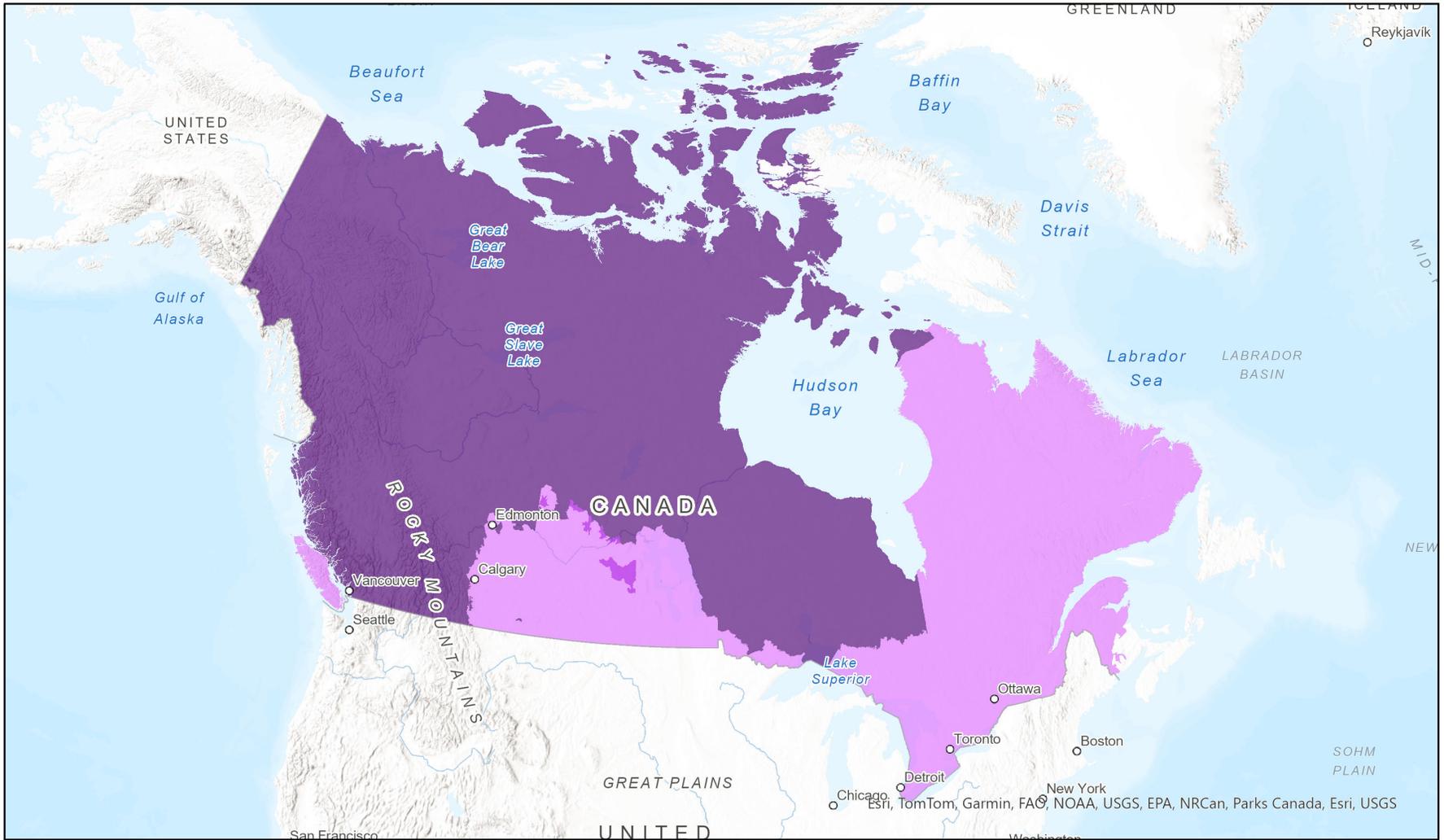
- Present
- Presence Expected
- Historical



## Ecosystem-based Automated Range (EBAR)

Date Generated: March 27, 2025; Version: 1.0; Stage: Expert Reviewed (National); Scope: Canadian

Synonyms Used: None



Map centre: 94.6491° W 59.0908° N  
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Input Records - 5 ACCDC Observations, 9 BC Non-sensitive Element Occurrences, 788 BC Survey Observations, 1247 BC Telemetry Observations, 183 BISON, 15914 FWMIS, 2317 GBIF, 1904 iDigBio, 146 iNaturalist.ca (original coordinates for obscured records), 20 iNaturalist.org, 5 MB Element Occurrences, 1 MB Source Feature Points, 8 MB Source Feature Polygons, 3 MT Animal Occurrences, 2 NU Element Occurrences, 7 NU Source Feature Polygons, 62 ON Element Occurrences, 7056 ON Observations and Source Features, 8 QC Ranges of Vertebrates, 17 SK Source Feature Points, 22 SK Sou... (see metadata for additional input details)

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

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### Species

National Scientific Name:	<i>Gulo gulo</i> (Linnaeus, 1758)
Scientific Name Reference:	Bradley, R.D., L.K. Ammerman, R.J. Baker, L.C. Bradley, J.A. Cook, R.C. Dowler, C. Jones, D.J. Schmidly, F.B. Stangl Jr., R.A. Van den Bussche and B. Würsig. 2014. Revised checklist of North American mammals north of Mexico, 2014. Museum of Texas Tech University Occasional Papers 327:1-28. Available at: <a href="http://www.nsrll.ttu.edu/publications/opapers/ops/OP327.pdf">http://www.nsrll.ttu.edu/publications/opapers/ops/OP327.pdf</a>
National English Name:	Wolverine
National French Name:	Carcajou
Element National ID:	167276
Element Global ID:	103092 ( <a href="#">go to NatureServe Explorer</a> )
Element Code:	AMAJF03010
Endemism Type:	N
Canadian COSEWIC Name:	
Canadian COSEWIC ID:	1545

## Rank/Status

Global Rank:	G4 (reviewed April 04, 2016)
National Rank (Canada):	N3N4 (reviewed 2024)
Subnational Ranks (Canada):	AB=S3, BC=S3, LB=S1, MB=S3S4, NB=SX, NT=S3?, NU=S3, ON=S2S3, QC=S1, SK=S2S3, YT=S3
National Rank (United States):	N4 (reviewed 1996)
Subnational Ranks (United States):	AK=S4, CA=S1, CO=S1, IA=SX, ID=S1, IN=SX, MA=SX, MI=SX, MN=SX, MT=S3, ND=SX, NE=SX, NH=SX, NV=SH, NY=SX, OH=SX, OR=S1, PA=SX, SD=SX, UT=S1, VT=SX, WA=S1, WI=SX, WY=S1S2
National Rank (Mexico):	None
Subnational Ranks (Mexico):	None
Canadian SARA Status:	Special Concern/Préoccupante (January 12, 2005)
Canadian COSEWIC Status:	Special Concern (May 02, 2014)
US ESA Status:	PS:T

## Range Map

Date Generated:	March 27, 2025
Version:	1.0
Stage:	Expert Reviewed (National)
Scope:	Canadian
Metadata:	Primary Species - <i>Gulo gulo</i> (Linnaeus, 1758); Secondary Species - <i>Gulo gulo luscus</i> (Linnaeus, 1758), <i>Gulo gulo vancouverensis</i> Goldman, 1935 Input Records - 5 ACCDC Observations, 9 BC Non-sensitive Element Occurrences, 788 BC Survey Observations, 1247 BC Telemetry Observations, 183 BISON, 15914 FWMIS, 2317 GBIF, 1904 iDigBio, 146 iNaturalist.ca (original coordinates for obscured records), 20 iNaturalist.org, 5 MB Element Occurrences, 1 MB Source Feature Points, 8 MB Source Feature Polygons, 3 MT Animal Occurrences, 2 NU Element Occurrences, 7 NU Source Feature Polygons, 62 ON Element Occurrences, 7056 ON Observations and Source Features, 8 QC Ranges of Vertebrates, 17 SK Source Feature Points, 22 SK Source Feature Polygons, 6 US Element Occurrences, 384 VertNet, 262 Waterton Lakes National Park of Canada-Wolverine observation data; Expert Reviews - NT Telemetry Extent Import, Jillian Kusch, Jeff Bowman, John Klymko, Michelle Sawatzky, Morgan Conrad, CWS North Experts, CWS North Experts, CWS North Experts, CWS North Experts, 4 Anonymous
Comments:	None <a href="#">Please see spatial data for Ecoshape-level reviewer comments.</a>
Disclaimer:	Please review our <a href="#">methods document</a> 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 *Gulo gulo*, 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/ebar](http://www.natureserve.org/canada/ebar)

**Contact:**

[ebbar-kba@natureserve.ca](mailto:ebbar-kba@natureserve.ca)

## Input References:

ACCDC Observations - Atlantic Canada Conservation Data Centre  
BC Non-sensitive Element Occurrences - British Columbia Conservation Data Centre  
BC Survey Observations - British Columbia Conservation Data Centre  
BC Telemetry Observations - British Columbia Conservation Data Centre  
BISON - [United States Geological Survey](#)  
FWMIS - Fish and Wildlife Management Information System (FWMIS), Alberta Environment and Parks.  
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) (<https://github.com/ropensci/rgbif>) on 2024-06-21  
iDigBio - [Integrated Digital Biocollection](#)  
iNaturalist.ca (original coordinates for obscured records) - [California Academy of Sciences and the National Geographic Society](#)  
iNaturalist.org - [California Academy of Sciences and the National Geographic Society](#)  
MB Element Occurrences - Manitoba Conservation Data Centre  
MB Source Feature Points - Manitoba Conservation Data Centre  
MB Source Feature Polygons - Manitoba Conservation Data Centre  
MT Animal Occurrences - Montana Natural Heritage Program  
NU Element Occurrences - Nunavut Conservation Data Centre  
NU Source Feature Polygons - Nunavut Conservation Data Centre  
ON Element Occurrences - Natural Heritage Information Centre, Ontario Ministry of Natural Resources and Forestry  
ON Observations and Source Features - Natural Heritage Information Centre, Ontario Ministry of Natural Resources and Forestry  
QC Ranges of Vertebrates - [Ministère de l'Environnement, de la Lutte contre les changements climatiques, de la Faune et des Parcs. Aires de répartition des mammifères terrestres, des reptiles, des amphibiens et des poissons d'eau douce, \[Jeu de données\], dans Données Québec, 2021, mis à jour le 11 septembre 2023. \[https://www.donneesquebec.ca/recherche/dataset/aires-de-repartition-faune\], \(consulté le 23 avril 2024\).](#)  
SK Source Feature Points - Saskatchewan Conservation Data Centre  
SK Source Feature Polygons - Saskatchewan Conservation Data Centre  
US Element Occurrences - NatureServe and its Natural Heritage Programs  
VertNet - [National Science Foundation](#)  
Waterton Lakes National Park of Canada- Wolverine observation data - Waterton Lakes National Park

## Reviewers by Taxa:

[Reviewers by Taxa](#)