

Isoetes engelmannii

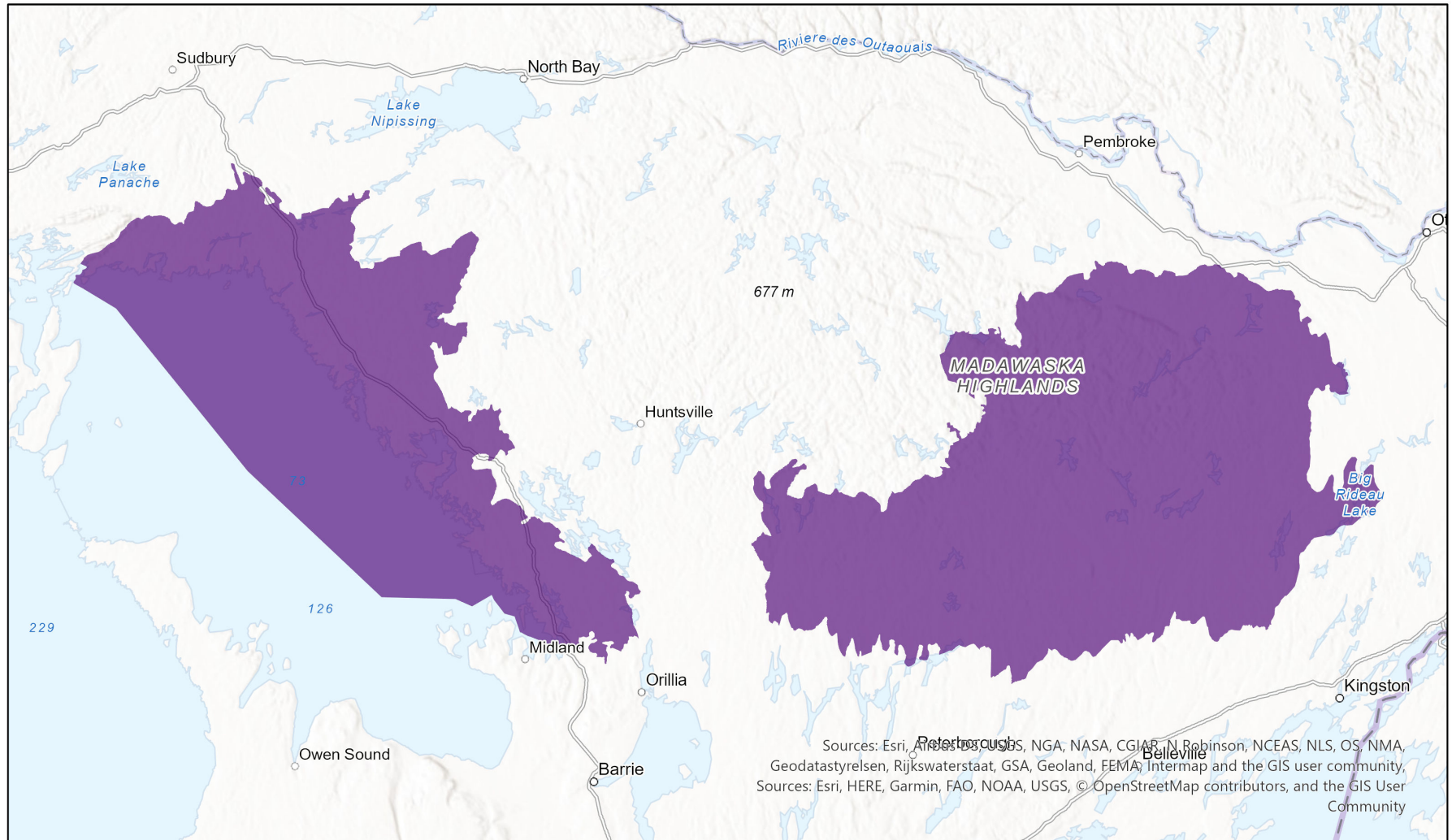


- Present
- Presence Expected
- Historical

Ecosystem-based Automated Range (EBAR)

Date Generated: February 24, 2023; Version: 1.0; Stage: Expert Reviewed (National); Scope: Canadian

Synonyms Used: None



Sources: Esri, Airphoto, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community, Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

0 40 80 km
Input Records - 1 BISON, 2 GBIF, 2 iDigBio, 1 iNaturalist.ca, 2 ON Element Occurrences, 70 ON Observations and Source Features, 2 ON Observations not in Biotics;

Map centre: 78.8449°W 45.2847°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.

Expert Reviews - Wasyl Bakowsky

Ecosystem-based Automated Range (EBAR) Metadata

Species

National Scientific Name:	<i>Isoetes engelmannii</i> A. Braun
Scientific Name Reference:	Flora of North America Editorial Committee. 1993a. Flora of North America north of Mexico. Vol. 2. Pteridophytes and gymnosperms. Oxford Univ. Press, New York. xvi + 475 pp.
National English Name:	Engelmann's Quillwort
National French Name:	Isoète d'Engelmann
Element National ID:	242386
Element Global ID:	151042 (go to NatureServe Explorer)
Element Code:	PPISO01050
Endemism Type:	N
Canadian COSEWIC Name:	
Canadian COSEWIC ID:	178

Rank/Status

Global Rank:	G4 (reviewed November 01, 2011)
National Rank (Canada):	N1 (reviewed 2022)
Subnational Ranks (Canada):	ON=S1
National Rank (United States):	N4
Subnational Ranks (United States):	AL=S3, AR=S1, CT=SNR, DE=S2, FL=S1, GA=S4, IL=S1S2, IN=S1, KY=S4, MA=SNR, MD=S3, MI=S1, MO=SNR, MS=S1S2, NC=S4, NH=S1, NJ=S4, NY=S5, OH=S1, PA=SNR, RI=S1, SC=S5, TN=SNR, VA=S4, VT=S1, WV=S4
National Rank (Mexico):	None
Subnational Ranks (Mexico):	None
Canadian SARA Status:	Endangered/En voie de disparition (June 05, 2003)
Canadian COSEWIC Status:	Endangered (May 01, 2001)
US ESA Status:	None

Range Map

Date Generated:	February 24, 2023
Version:	1.0
Stage:	Expert Reviewed (National)
Scope:	Canadian
Metadata:	Primary Species - <i>Isoetes engelmannii</i> A. Braun; Secondary Species - <i>Isoetes engelmannii</i> var. <i>engelmannii</i> Input Records - 1 BISON, 2 GBIF, 2 iDigBio, 1 iNaturalist.ca, 2 ON Element Occurrences, 70 ON Observations and Source Features, 2 ON Observations not in Biotics; Expert Reviews - Wasyl Bakowsky
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?).
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 *Isoetes engelmannii*, 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

Contact:

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Input References:

BISON - United States Geological Survey (<https://bison.usgs.gov/>)

GBIF - Global Biodiversity Information Facility (<https://www.gbif.org>)

iDigBio - Integrated Digital Biocollection (<https://www.idigbio.org/>)

iNaturalist.ca - California Academy of Sciences and the National Geographic Society (<https://www.inaturalist.ca/>)

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

ON Observations not in Biotics - Natural Heritage Information Centre, Ontario Ministry of Natural Resources and Forestry

Reviewers by Taxa:

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