

Aquatic Species at Risk Critical Habitat

File Geodatabase Feature Class



Tags

Molluscs, Protected species, Science, Endangered species, Fisheries management, Freshwater fish, Salt water fish, Canada, Aquatic animals, Marine mammals, Species at Risk, Critical Habitat

Summary

The Species at Risk (SAR) Program is responsible for carrying out Fisheries and Oceans Canada's (DFO) mandate under the Species at Risk Act (SARA) to protect, recover and conserve all listed aquatic SAR in Canada.

Critical habitat is identified for species listed as Extirpated, Endangered or Threatened under the Species at Risk Act (SARA).

Critical habitat is defined under section 2 of SARA as: "the habitat that is necessary for the survival or recovery of a listed wildlife species and that is identified as the species' critical habitat in the recovery strategy or in an action plan for the species". Section 49(1)(a) of SARA requires that a species' Recovery Strategy/Action Plan include an identification of the species' critical habitat to the extent possible, based on the best available information, including information provided by the Committee on the Status of Endangered Wildlife in Canada (COSEWIC). SARA makes it illegal to destroy any part of the critical habitat of SAR and may impose restrictions on development and construction.

Description

Critical habitat was assembled by SARA regional biologists and recovery teams. They are designed to support the protection and recovery of species listed as Extirpated, Endangered or Threatened under the Species at Risk Act. They are also described and displayed in species' Recovery Documents and Action Plans.

Please note: there are different types of Critical Habitat descriptors. Descriptors (such as bounding box coordinates are not included in this dataset).

Credits

Fisheries and Oceans Canada - Species at Risk Program.

Use limitations

Although DFO and the Species at Risk program strive to provide reliable information and services, we cannot guarantee the services and information will always be available or up-to-date. Please contact info@dfo-mpo.gc.ca if any concerns become apparent. Please also consult <https://www.canada.ca/en/environment-climate-change/services/species-risk-public-registry.html> for more information on specific species.

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Extent

West -133.058283 **East** -47.735602
North 59.439558 **South** 41.903812

Scale Range

Maximum (zoomed in) 1:5,000
Minimum (zoomed out) 1:20,000,000

ArcGIS Metadata ►

Topics and Keywords ►

THEMES OR CATEGORIES OF THE RESOURCE inlandWaters, biota, oceans

CONTENT TYPE Live Data and Maps

EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION No

THEME KEYWORDS Species at Risk, protected species, endangered species, fisheries management, freshwater fish, salt water fish, aquatic animals, whales, sea turtles, diadromous fish, molluscs, science, Canada

THESAURUS'S LANGUAGE English (CANADA)

[Hide Topics and Keywords ▲](#)

Citation ►

TITLE Aquatic Species at Risk Critical Habitat

ALTERNATE TITLES DFO Aquatic Species at Risk Critical Habitat Geospatial Dataset

CREATION DATE 2016-09-26 00:00:00

PUBLICATION DATE 2016-09-26 00:00:00

EDITION 12

EDITION DATE 2022-12-15

PRESENTATION FORMATS digital map

FGDC GEOSPATIAL PRESENTATION FORMAT vector digital data

COLLECTION TITLE DFO Aquatic Species at Risk Critical Habitat Geospatial Dataset

[Hide Citation ▲](#)

Citation Contacts ►

RESPONSIBLE PARTY

INDIVIDUAL'S NAME Fisheries and Oceans Canada

CONTACT'S ROLE point of contact

CONTACT INFORMATION ►

PHONE

VOICE 1-800-465-7735

ADDRESS

TYPE

DELIVERY POINT 200 Kent St Station 13E228

CITY Ottawa

ADMINISTRATIVE AREA Ontario

POSTAL CODE K1A 0E6

COUNTRY CA

E-MAIL ADDRESS info@dfo-mpo.gc.ca

[Hide Contact information ▲](#)

[Hide Citation Contacts ▲](#)

Locales ►

LOCALE English (CANADA)

LOCALE French (CANADA)

[Hide Locales ▲](#)

Resource Details ►

DATASET LANGUAGES English (UNITED STATES)

DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

SPATIAL REPRESENTATION TYPE vector

SPATIAL RESOLUTION

DATASET'S SCALE

SCALE DENOMINATOR 50000

SUPPLEMENTAL INFORMATION

This dataset is standardized to a minimum of 1:50 000. In certain locations and areas the scale may be less than or greater than 50000 depending on the availability of data.

* PROCESSING ENVIRONMENT Version 6.2 (Build 9200) ; Esri ArcGIS 10.9.1.28388

CREDITS

Fisheries and Oceans Canada - Species at Risk Program.

ARCGIS ITEM PROPERTIES

* NAME DFO_SARA_CritHab_2022_FGP_EN

* LOCATION file://CriticalHabitat.gdb

* ACCESS PROTOCOL Local Area Network

[Hide Resource Details ▲](#)

Service Details ►

ACCESS PROPERTIES

DATE OF AVAILABILITY 2016-09-26 00:00:00

[Hide Service Details ▲](#)

Extents ►

EXTENT

DESCRIPTION

These data include Canada land mass and ocean areas up to the Exclusive Economic Zone (EEZ).

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

WEST LONGITUDE -133.058283

EAST LONGITUDE -57.884722

SOUTH LATITUDE 41.903812

NORTH LATITUDE 59.439558

EXTENT CONTAINS THE RESOURCE Yes

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

* WEST LONGITUDE -133.058283

* EAST LONGITUDE -47.735602

- * NORTH LATITUDE 59.439558
- * SOUTH LATITUDE 41.903812
- * EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

- * WEST LONGITUDE -14811980.330600
- * EAST LONGITUDE -5313902.890100
- * SOUTH LATITUDE 5146581.881400
- * NORTH LATITUDE 8276004.973300
- * EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

Resource Points of Contact ►

POINT OF CONTACT

ORGANIZATION'S NAME Fisheries and Oceans Canada
CONTACT'S ROLE point of contact

CONTACT INFORMATION ►

PHONE

VOICE 1-800-465-7735

ADDRESS

TYPE

DELIVERY POINT 200 Kent St Station 13E228

CITY Ottawa

ADMINISTRATIVE AREA Ontario

POSTAL CODE K1A 0E6

COUNTRY CA

E-MAIL ADDRESS info@dfo-mpo.gc.ca

[Hide Contact information ▲](#)

[Hide Resource Points of Contact ▲](#)

Resource Maintenance ►

RESOURCE MAINTENANCE

DATE OF NEXT UPDATE 2023-02-28 00:00:00

UPDATE FREQUENCY as needed

SCOPE OF THE UPDATES dataset

[Hide Resource Maintenance ▲](#)

Resource Constraints ►

CONSTRAINTS

LIMITATIONS OF USE

Although DFO and the Species at Risk program strive to provide reliable information and services, we cannot guarantee the services and information will always be available or up-to-date. Please contact info@dfo-mpo.gc.ca if any concerns become apparent. Please also consult <https://www.canada.ca/en/environment-climate-change/services/species-risk-public-registry.html> for more information on specific species.

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LIMITATIONS OF USE

The information presented in this layer may not be current and/or may be incorrect or missing information. Areas where no fish species or fish habitat are depicted on the map should not be construed as having no value for fish or fish habitat.

Under no circumstances will the Government of Canada be liable to any person or business entity for any direct, indirect, special, incidental, consequential, or other damages based on any use of this dataset including, without limitation, any lost profits, business interruption, or loss of programs or information.

LEGAL CONSTRAINTS

LIMITATIONS OF USE

These data are available as digital, georeferenced, validated boundaries; however, the legal description of the boundary, and important habitat considerations should be taken from the species' Recovery Strategy (<https://www.canada.ca/en/environment-climate-change/services/species-risk-public-registry.html>) or Critical Habitat Order as published in the Canada Gazette I and II.

ACCESS CONSTRAINTS end-user license agreement

USE CONSTRAINTS sensitivity

[Hide Resource Constraints ▲](#)

Spatial Reference ►

ARCGIS COORDINATE SYSTEM

* TYPE Projected

* GEOGRAPHIC COORDINATE REFERENCE GCS_WGS_1984

* PROJECTION WGS_1984_Web_Mercator_Auxiliary_Sphere

* COORDINATE REFERENCE DETAILS

PROJECTED COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 102100

X ORIGIN -20037700

Y ORIGIN -30241100

XY SCALE 10000

Z ORIGIN -100000

Z SCALE 10000

M ORIGIN -100000

M SCALE 10000

XY TOLERANCE 0.001

Z TOLERANCE 0.001

M TOLERANCE 0.001

HIGH PRECISION true

LATEST WELL-KNOWN IDENTIFIER 3857

WELL-KNOWN TEXT

PROJCS["WGS_1984_Web_Mercator_Auxiliary_Sphere",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137.0,298.257223563]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Mercator_Auxiliary_Sphere"],PARAMETER["False_Easting",0.0],PARAMETER["False_Northing",0.0],PARAMETER["Central_Meridian",0.0],PARAMETER["Standard_Parallel_1",0.0],PARAMETER["Auxiliary_Sphere_Type",0.0],UNIT["Meter",1.0],AUTHORITY["EPSG",3857]]

REFERENCE SYSTEM IDENTIFIER

DIMENSION horizontal

VALUE 4269
* CODESPACE EPSG
* VERSION 6.18.3(9.3.1.2)
[Hide Spatial Reference ▲](#)

Spatial Data Properties ►

VECTOR ►
* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only
GEOMETRIC OBJECTS
FEATURE CLASS NAME DFO_SARA_CritHab_2022_FGP_EN
* OBJECT TYPE composite
* OBJECT COUNT 1424

[Hide Vector ▲](#)

ARCGIS FEATURE CLASS PROPERTIES ►
FEATURE CLASS NAME DFO_SARA_CritHab_2022_FGP_EN
* FEATURE TYPE Simple
* GEOMETRY TYPE Polygon
* HAS TOPOLOGY FALSE
* FEATURE COUNT 1424
* SPATIAL INDEX TRUE
* LINEAR REFERENCING FALSE

[Hide ArcGIS Feature Class Properties ▲](#)

[Hide Spatial Data Properties ▲](#)

Data Quality ►

SCOPE OF QUALITY INFORMATION ►
RESOURCE LEVEL dataset
SCOPE DESCRIPTION
DATASET
Critical Habitat Quality

[Hide Scope of quality information ▲](#)

DATA QUALITY REPORT - COMPLETENESS OMISSION ►
DIMENSION horizontal
MEASURE NAME Missing Species
MEASURE DESCRIPTION

The following species are not included in this dataset:
Northern Abalone (due to sensitive nature of species).
Beluga – Cumberland Sound population is not currently available.

All Critical Habitat considered and posted on the SARA Registry is included in this dataset and is complete as of December 2022. Data updates and new species additions will be incorporated with the dataset according to the maintenance schedule.

EVALUATION TYPE direct internal

EVALUATION METHOD

All data was reviewed and validated by species experts and DFO SAR biologists.

CONFORMANCE TEST RESULTS

TEST PASSED Yes

RESULT EXPLANATION

Data sources are (at minimum quality) digitized from the Recovery documents or COSEWIC reports.

When possible, the data was improved by using 1:50 000 (or better) water lines and waterbodies (Natural Resources Canada CANVEC). Data provided as lines (e.g. rivers) have been buffered by 2.5 metres.

PRODUCT SPECIFICATION ▶

TITLE Critical Habitat Completeness

CREATION DATE 2022-12-15 00:00:00

[Hide Product specification ▲](#)

[Hide Data quality report - Completeness omission ▲](#)

[Hide Data Quality ▲](#)

Lineage ▶

LINEAGE STATEMENT

Developed from data collected from regional points of contact and formatted to meet nationally accepted standards.

[Hide Lineage ▲](#)

Distribution ▶

DISTRIBUTOR ▶

CONTACT INFORMATION

INDIVIDUAL'S NAME Fisheries and Oceans Canada

CONTACT'S ROLE point of contact

CONTACT INFORMATION ▶

PHONE

VOICE 1-800-465-7735

ADDRESS

TYPE postal

DELIVERY POINT 200 Kent St Station 13E228

CITY Ottawa

ADMINISTRATIVE AREA Ontario

POSTAL CODE K1A 0E6

COUNTRY CA

E-MAIL ADDRESS info@dfo-mpo.gc.ca

[Hide Contact information ▲](#)

[Hide Distributor ▲](#)

DISTRIBUTION FORMAT

* NAME File Geodatabase Feature Class

VERSION 1.0

FORMAT INFORMATION CONTENT ArcSDE

[Hide Distribution ▲](#)

Fields ►

DETAILS FOR OBJECT [DFO_SARA_CritHab_2022_FGP_EN ►](#)

* TYPE Feature Class

ROW COUNT 1424

DEFINITION

Critical Habitat Polygons.

DEFINITION SOURCE

DFO

FIELD [OBJECTID ►](#)

* ALIAS OBJECTID

* DATA TYPE OID

* WIDTH 4

* PRECISION 0

* SCALE 0

* FIELD DESCRIPTION

Internal feature number.

* DESCRIPTION SOURCE

Esri

* DESCRIPTION OF VALUES

Sequential unique whole numbers that are automatically generated.

[Hide Field OBJECTID ▲](#)

FIELD [Shape ►](#)

* ALIAS Shape

* DATA TYPE Geometry

* WIDTH 0

* PRECISION 0

* SCALE 0

* FIELD DESCRIPTION

Feature geometry.

* DESCRIPTION SOURCE

Esri

* DESCRIPTION OF VALUES

Coordinates defining the features.

[Hide Field Shape ▲](#)

FIELD [Common_Name_EN ▶](#)

- * ALIAS Common Name EN
- * DATA TYPE String
- * WIDTH 255
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Species Common Name – English.

DESCRIPTION SOURCE

DFO

[Hide Field Common_Name_EN ▲](#)

FIELD [Population_EN ▶](#)

- * ALIAS Population EN
- * DATA TYPE String
- * WIDTH 255
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Species Population - English. As recommended for listing by COSEWIC.

DESCRIPTION SOURCE

DFO, COSEWIC

[Hide Field Population_EN ▲](#)

FIELD [Common_Name_FR ▶](#)

- * ALIAS Common Name FR
- * DATA TYPE String
- * WIDTH 255
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Species Common Name - French.

DESCRIPTION SOURCE

DFO

[Hide Field Common_Name_FR ▲](#)

FIELD [Population_FR ▶](#)

- * ALIAS Population FR
- * DATA TYPE String
- * WIDTH 255
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Species Population - French. As recommended for listing by COSEWIC.

DESCRIPTION SOURCE

DFO, COSEWIC

[Hide Field Population_FR ▲](#)

FIELD Scientific_Name ►

- * ALIAS Scientific Name
- * DATA TYPE String
- * WIDTH 255
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Scientific name for species.

DESCRIPTION SOURCE

COSEWIC

[Hide Field Scientific_Name ▲](#)

FIELD Taxon ►

- * ALIAS Taxon
- * DATA TYPE String
- * WIDTH 255
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Species Class.

DESCRIPTION SOURCE

DFO

DESCRIPTION OF VALUES

Fishes
Molluscs
Mammals
Reptiles

[Hide Field Taxon ▲](#)

FIELD Eco_Type ►

- * ALIAS Ecology Type

* DATA TYPE String
* WIDTH 255
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
General habitat description

DESCRIPTION SOURCE
DFO

DESCRIPTION OF VALUES
Anadromous
Freshwater
Marine

[Hide Field Eco_Type ▲](#)

FIELD Waterbody ►

* ALIAS Waterbody
* DATA TYPE String
* WIDTH 255
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

Waterbody name in which the species may be found. This attribute is site and species specific and should align with the description of Critical Habitat in the Recovery Strategy, Action Plan or Critical Habitat order.

DESCRIPTION SOURCE
DFO

[Hide Field Waterbody ▲](#)

FIELD SARA_Status ►

ALIAS SARA Status
* DATA TYPE String
* WIDTH 255
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

Status of species as listed by Species at Risk Act (SARA Schedule 1).

DESCRIPTION SOURCE
Species at Risk Act

DESCRIPTION OF VALUES

Extirpated EXT: A wildlife species that no longer exists in the wild in Canada, but exists elsewhere.

Endangered END: A wildlife species facing imminent extirpation or extinction.

Threatened THR: A wildlife species that is likely to become an endangered if nothing is done to reverse the factors leading to its extirpation or extinction.

[Hide Field SARA_Status ▲](#)

FIELD CH_Status ►

- * ALIAS Critical Habitat Status
- * DATA TYPE String
- * WIDTH 50
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Critical Habitat Status.

DESCRIPTION SOURCE

DFO

DESCRIPTION OF VALUES

Proposed/Final: Posted on SARA Registry in Recovery Document.

[Hide Field CH_Status ▲](#)

FIELD Comment ►

- * ALIAS Comment
- * DATA TYPE String
- * WIDTH 255
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Optional field available for Recovery Teams and species specialists to comment on any further clarifications that may be required for the proper interpretation of Critical Habitat at a specific geographic location.

DESCRIPTION SOURCE

DFO

[Hide Field Comment ▲](#)

FIELD Lead_Region ►

- ALIAS Lead Region
- * DATA TYPE String
- * WIDTH 255
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Lead DFO Region for species and/or population management.

DESCRIPTION SOURCE

DFO

DESCRIPTION OF VALUES

Central and Arctic
Gulf
Maritimes
Newfoundland and Labrador
Pacific
Quebec

Hide Field Lead_Region ▲

FIELD Support_Region ►

ALIAS Support Region

* DATA TYPE String

* WIDTH 255

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Region(s) providing support to Lead Region for species' management.

DESCRIPTION SOURCE

DFO

DESCRIPTION OF VALUES

Central and Arctic
Gulf
Maritimes
Newfoundland and Labrador
Pacific
Quebec

Hide Field Support_Region ▲

FIELD Species_Link ►

* ALIAS Species Link

* DATA TYPE String

* WIDTH 255

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Hyperlink to species' page on SARA Registry.

DESCRIPTION SOURCE

SARA Registry

Hide Field Species_Link ▲

FIELD Area_Km2 ►

- * ALIAS Area Km2
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Measure of cumulative area within a single waterbody for an individual species. Uses Web Mercator (m) projection for metres measurement.

DESCRIPTION SOURCE

DFO

[Hide Field Area_Km2 ▲](#)

FIELD Shape_Length ►

- * ALIAS Shape_Length
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION

Length of feature in internal units.

* DESCRIPTION SOURCE

Esri

* DESCRIPTION OF VALUES

Positive real numbers that are automatically generated.

[Hide Field Shape_Length ▲](#)

FIELD Shape_Area ►

- * ALIAS Shape_Area
- * DATA TYPE Double
- * WIDTH 8
- * PRECISION 0
- * SCALE 0
- * FIELD DESCRIPTION

Area of feature in internal units squared.

* DESCRIPTION SOURCE

Esri

* DESCRIPTION OF VALUES

Positive real numbers that are automatically generated.

[Hide Field Shape_Area ▲](#)

[Hide Details for object DFO_SARA_CritHab_2022_FGP_EN ▲](#)

[Hide Fields ▲](#)

Metadata Details ▶

METADATA LANGUAGE English (UNITED STATES)
METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format
METADATA IDENTIFIER F9CFBD83-9B9F-40E0-B1BA-A5954B2CAA8B
FUNCTION OF THE RESOURCE information
SCOPE OF THE DATA DESCRIBED BY THE METADATA dataset
SCOPE NAME *dataset
LAST UPDATE 2022-12-15
ARCGIS METADATA PROPERTIES
METADATA FORMAT ArcGIS 1.0
STANDARD OR PROFILE USED TO EDIT METADATA NAP
METADATA STYLE North American Profile of ISO19115 2003
CREATED IN ARCGIS FOR THE ITEM 2022-12-15 09:15:37
LAST MODIFIED IN ARCGIS FOR THE ITEM 2022-12-15 11:12:00
AUTOMATIC UPDATES
HAVE BEEN PERFORMED Yes
LAST UPDATE 2022-12-15 11:12:00

[Hide Metadata Details ▲](#)

Metadata Contacts ▶

METADATA CONTACT
INDIVIDUAL'S NAME Fisheries and Oceans Canada
CONTACT'S ROLE point of contact

CONTACT INFORMATION ▶

PHONE
VOICE 1-800-465-7735

ADDRESS
TYPE
DELIVERY POINT 200 Kent St Station 13E228
CITY Ottawa
ADMINISTRATIVE AREA Ontario
POSTAL CODE K1A 0E6
COUNTRY CA
E-MAIL ADDRESS info@dfo-mpo.gc.ca

[Hide Contact information ▲](#)

[Hide Metadata Contacts ▲](#)

Metadata Maintenance ▶

MAINTENANCE
DATE OF NEXT UPDATE 2023-02-28 00:00:00
UPDATE FREQUENCY as needed

[Hide Metadata Maintenance ▲](#)

Metadata Constraints ▶

CONSTRAINTS
LIMITATIONS OF USE

No general constraints or use limitations.

<https://open.canada.ca/en/open-government-licence-canada>

Hide Metadata Constraints ▲

Thumbnail and Enclosures ▶

THUMBNAIL

THUMBNAIL TYPE JPG

Hide Thumbnail and Enclosures ▲