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  -57.884722
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

2019-08-23
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.
CREDITS
Fisheries and Oceans Canada - Species at Risk Program.

ARCGIS ITEM PROPERTIES
* NAME DFO_SARA_CritHab_2019_FGP_EN
* LOCATION file://\BUR02HNAS01b\CNA_BUR_CABURGIS\CABURGIS_2\GIS_File_Organization\Data\Project_Level_Data\SpeciesAtRisk\NationalDemo\Data\DataSharing\FGP\CriticalHabitat_FGP.gdb
* ACCESS PROTOCOL Local Area Network

Hide Resource Details ▲

Service Details ►

ACCESS PROPERTIES
DATE OF AVAILABILITY 2016-06-03 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
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

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 ▲
Resource Maintenance

Resource Maintenance

RESOURCE MAINTENANCE
DATE OF NEXT UPDATE 2020-08-07 00:00:00
UPDATE FREQUENCY annually
SCOPE OF THE UPDATES dataset

Resource Constraints

Constraints

LIMITATIONS OF USE
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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

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 PROCS["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]]
**Spatial Data Properties ▲**

**VECTOR ▶**
- **LEVEL OF TOPOLOGY FOR THIS DATASET** geometry only

**GEOMETRIC OBJECTS**
- **FEATURE CLASS NAME** DFO_SARA_CritHab_2019_FGP_EN
- **OBJECT TYPE** composite
- **OBJECT COUNT** 232

**ArcGIS Feature Class Properties ▶**
- **FEATURE CLASS NAME** DFO_SARA_CritHab_2019_FGP_EN
  - **FEATURE TYPE** Simple
  - **GEOMETRY TYPE** Polygon
  - **HAS TOPOLOGY** FALSE
  - **FEATURE COUNT** 232
  - **SPATIAL INDEX** TRUE
  - **LINEAR REFERENCING** FALSE

**Data Quality ▲**

**SCOPE OF QUALITY INFORMATION ▶**
- **RESOURCE LEVEL** dataset
- **SCOPE DESCRIPTION**
  - **DATASET** Critical Habitat Quality

**DATA QUALITY REPORT - COMPLETENESS OMISSION ▶**
- **MEASURE NAME** Missing Species
- **MEASURE DESCRIPTION**
  - The following species are not included in this dataset: Northern Abalone (due to sensitive nature of species).
  - All Critical Habitat considered and posted on the SARA Registry is included in this dataset and is complete as of August 2019. 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).
PRODUCT SPECIFICATION

Title: Critical Habitat Completeness
Creation Date: 2019-08-09 00:00:00

Lineage

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

Distribution

Distributor:
Fisheries and Oceans Canada
Point of contact

Contact Information
Phone: 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

Fields

Details for Object: DFO_SARA_CritHab_2019_FGP_EN

Type: Feature Class
Row Count: 232
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.
FIELD OBJECTID

FIELD Shape

FIELD Common_Name_EN

FIELD Population_EN

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

**FIELD Scientific_Name**

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

**FIELD DESCRIPTION**

Scientific name for species.

**DESCRIPTION SOURCE**

COSEWIC

**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

**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
**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

**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.

**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
**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

**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

**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

**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

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.

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.

Metadata Details

METADATA LANGUAGE English (CANADA)
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 2019-08-23

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 2018-08-13 09:15:37
LAST MODIFIED IN ARCGIS FOR THE ITEM 2019-08-23 14:40:59