# Atlantic Canada Conservation Data Centre
# Data Dictionary

Revised: July 21, 2021

## I. Biodiversity Database

The following fields of data may be included (and may or may not be populated) in occurrence records.
Text fields are 255 char max. (and may truncate text).

| TAXONOMY | | |
|---|---|---|
| *Field* | *Type* | *Definition* |
| MCODE | TXT | 8 character 'Museum Code' (1 to 4 = genus, 5 to 8 = sp+ssp) |
| ELCODE | TXT | Unique Identifier of taxon |
| SCINAME | TXT | Global Scientific Name of taxon |
| COMNAME | TXT | English Common Name of taxon |
| NOMCOMMUN | TXT | French Common Name |

| LOCATION | | |
|---|---|---|
| *Field* | *Type* | *Definition* |
| SURVEYSITE | TXT | General locality of occurrence |
| DIRECTIONS | TXT | Specific locality: e.g. bearings and distance from enduring landmark |
| SUBNAT | TXT | Province/State: 2 character ISO code |
| COCODE | TXT | County Code (2 chars for province + 4 chars for county name) |
| MAPCODE | TXT | Map number: NTS identifier in Canada |
| UTME20 | INT | Easting in UTM Zone 20 |
| UTMN20 | INT | Northing in UTM Zone 20 |
| LONDEC | DEC | Decimal Longitude |
| LATDEC | DEC | Decimal Latitude |
| LOCUNCM | INT | Horizontal precision in metres |
| PREC | DEC | Precision in metres by power of 10 (e.g. 3 = 10 to the 3rd = 1000 m = 1 km): |

| prec | common speech | example | unit size | literal range |
|---|---|---|---|---|
| 6.0 | within province | province | 1000.0 km | 562.3 - 1778.3 km |
| 5.7 | in part of province | 'NW NB' | 500.0 km | 281.2 - 889.1 km |
| 5.0 | within in county | county | 100.0 km | 56.2 - 177.8 km |
| 4.7 | within 50s of kilometres | | 50.0 km | 28.1 - 88.9 km |
| 4.0 | within 10s of kilometres | BBA grid | 10.0 km | 5.6 - 17.8 km |
| 3.7 | within 5s of kilometres | | 5.0 km | 2.8 - 8.9 km |
| 3.0 | within kilometres | topo grid | 1.0 km | 0.6 - 1.8 km |
| 2.7 | within 500s of metres | | 500.0 m | 281.2 - 889.1 m |
| 2.0 | within 100s of metres | ball field | 100.0 m | 56.2 - 177.8 m |
| 1.7 | within 50s of metres | | 50.0 m | 28.1 - 88.9 m |
| 1.0 | within 10s of metres | boxcar | 10.0 m | 5.6 - 17.8 m |
| 0.7 | within 5s of metres | | 5.0 m | 2.8 - 8.9 m |
| 0.0 | *NOT USED* | pace | 1.0 m | 0.6 - 1.8 m |
| -1.0 | within 10s of centimetres | fingernail | 0.1 m | 0.1 - 0.2 m |

| RARITY / STATUS | | |
|---|---|---|
| *Field* | *Type* | *Definition* |
| NRANK | TXT | National Rarity Rank of taxon (in Canada) |
| NPROT | TXT | National Protection Status of taxon (i.e., COSEWIC in Canada) |
| NPROTSAR | TXT | National Protection Status of taxon (i.e., SARA in Canada): |

| code | Rank and short definition |
|---|---|
| X | Extinct in Canada and elsewhere |
| XT | Extirpated in Canada but surviving elsewhere |
| E | Endangered in Canada |
| T | Threatened in Canada |
| V | Vulnerable in Canada |
| SC | Special Concern in Canada |
| DD | Data Deficient: data inadequate for assessment |
| NAR | Not At Risk in Canada |

| SRANK | TXT | Subnational (Provincial) Rarity Rank of taxon: |
|---|---|---|

| code | Rank and short definition |
|---|---|
| SX | Extinct or extirpated in province |
| SH | Historically occurring but currently undetected in province |
| S1 | Extremely rare in province |
| S2 | Rare in province |

| | | **S3** | Uncommon in province |
|---|---|---|---|
| | | **S4** | Widespread, common and apparently secure in province |
| | | **S5** | Widespread, abundant and demonstrably secure in province |
| | | **SE** | Exotic in province |
| | | **SA** | Accidental, infrequent and outside of range within province |
| | | **SNA** | Ranking not applicable in province |
| | | **SNR** | Not yet assessed in province |
| IUCN | TXT | | International Union of Conservation Naturalists rarity rank: |
| | | *code* | *Rank and short definition* |
| | | **EX** | Extinct: no individuals remaining |
| | | **EW** | Extinct in the Wild: only captive or naturalised survivors |
| | | **CR** | Critically Endangered: extreme risk of extinction in wild |
| | | **EN** | Endangered: high risk of extinction in wild |
| | | **VU** | Vulnerable: high risk of endangerment in wild |
| | | **NT** | Near Threatened: likely to become endangered soon |
| | | **LC** | Least Concern: lowest risk, widespread and abundant |
| | | **DD** | Data Deficient: data inadequate for assessment |
| | | **NE** | Not Evaluated, not yet assessed against criteria |

| **OBSERVATION** | | |
|---|---|---|
| *Field* | *Type* | *Definition* |
| OBSERVER | TXT | Individual(s) that observed the taxon |
| OBDATE | TXT | Date of observation (YYYY MM DD) |
| **OBDATA** | TXT | Concatenation of fields below, relating to observation |
| OBEVID | TXT | Type of evidence (e.g., specimen, photo) |
| OBCOUNT | TXT | Number of individuals at location |
| OBABUN | TXT | Relative rarity of taxon at location, e.g. 'common', 'scattered' |
| OBSIZE | TXT | Size of individual |
| SIZE | TXT | Size of occurrence 'patch' (in $m^2$, ha or acres) |
| OBDESC | TXT | Details of specimen appearance or conditions |
| OBPHEN | TXT | Lifestage of individual (e.g., bud, flowering) |
| OBSEX | TXT | Male/female if relevant |
| OBACTIV | TXT | Activity of individual when observed (e.g., nesting, crossing road) |
| OBASSP | TXT | Other taxa associated with the observation |
| NOTETAX | TXT | Identifier's note on taxonomic issues |
| **GENDESC** | TXT | Concatenation of fields below, relating to site |
| HABITAT | TXT | Habitat characterization of location |
| ECODIST | NUM | National Ecological Framework EcoDistrict identifier |
| WSCODE | TXT | Quaternary Watershed identifier |
| **GENCOM** | TXT | General Comments: concatenation of Notes (NOTE1, NOTE2, NOTE3) |

| **COLLECTION** | | |
|---|---|---|
| *Field* | *Type* | *Definition* |
| CITATION | TXT | Primary source of data |

| **DATA MANAGEMENT** | | |
|---|---|---|
| *Field* | *Type* | *Definition* |
| IDNUM | TXT | AC CDC record Unique ID |
| EDITION | TXT | Last editor's initials and date (YYYY MM DD) |

## II.   Managed and Biologically Significant Areas (MSA) Database

The following fields of data may be included (and may or may not be populated) for Managed and Biologically Significant Areas.

| **IDENTITY AND DESCRIPTION** | | |
|---|---|---|
| *Field* | *Type* | *Definition* |
| msaGIS | INT | Unique GIS feature identifier |
| msaCode | TXT | Unique identifier for the MSA feature |
| msaClass | TXT | Whether the MSA feature is a Managed Area (MA) or biologically Significant Area (SA) |
| msaName | TXT | MSA feature name |
| msaNameFr | TXT | MSA feature name (French) |
| description | TXT | Description of the MSA feature |
| notes | TXT | Additional notes about the MSA feature |

| **JURISDICTION / OWNERSHIP** | | |
|---|---|---|
| *Field* | *Type* | *Definition* |
| localJuris | TXT | Mandated agency with jurisdiction over property |
| owner | TXT | Property owner |
| ownerCom | TXT | Details of multiparty arrangements |

| ownerDate | TXT | Date of property possession |
|---|---|---|

## CLASSIFICATION

| Field | Type | Definition |
|---|---|---|
| protStat | TXT | Activities permitted or restricted (when known) |
| legalAct | TXT | Title of enabling legislation |
| legalDate | TXT | Year of enabling legislation |
| estabDate | TXT | Year of site designation |
| aichit11 | TXT | Whether the site counts towards the Aichi Target 11 and Canada Target 1 biodiversity targets (yes or no) |
| oecm | TXT | Other effective area-based conservation means (yes or no) |
| iucnCat | TXT | IUCN protected area category. For complete category descriptions, visit https://www.iucn.org/theme/protected-areas/about/protected-area-categories. Features categorized as "YES" are sites which meet the standard definition of a protected area, but the category of protection has not yet been determined and features categorized as "N/A" are other area-based conservation measures or sites that do not meet the protected area definition (2018 Canadian Protected and Conserved Areas Database (CPCAD) User Manual). |
| msaType | TXT | MSA feature type: |

| group | Designation |
|---|---|
| Conservation | Conservation Area |
| | Conservation Easement |
| | Fee-Simple Ownership by Environmental Non-Governmental Conservation Organization |
| | Land Trust Property |
| | Natural Area |
| | Nature Preserve |
| | Nature Reserve |
| | Nature Reserve and Conservation Easement |
| | Nature Trail |
| | Other Effective Area-Based Conservation Measure |
| | Privately Owned Conservation Area |
| | Privately Owned Natural Area |
| | Protected Area |
| | Protected Beach |
| | Protected Natural Area |
| | Provincially Owned Natural Area |
| | To be determined |
| Heritage | Heritage River |
| | Museum |
| | National Historic Event |
| | National Historic Site |
| | Provincial Heritage Site |
| | Provincial Historic Site |
| | Provincial Historic/Heritage Park |
| | UNESCO World Heritage Site |
| Parks | Municipal Park |
| | National Park |
| | Nature Park |
| | Park |
| | Privately Owned Park |
| | Provincial Park |
| | Provincial Park Beach |
| Wilderness | Ecological Reserve |
| | Environmentally Sensitive Area |
| | Significant Ecological Area |
| | Significant Ecological Area/International Biological Program |
| | Wilderness Area |
| | Wilderness Reserve |
| Wildlife | Eastern Habitat Joint Venture |
| | Important Bird Area (IBA) |
| | Marine Protected Area |
| | Migratory Bird Sanctuary |
| | National Wildlife Area |
| | Privately Owned Wildlife Management Area |
| | Provincial Wildlife Management Area |
| | Wildlife Management Area |
| | Wildlife Park |
| | Wildlife Refuge |
| | Wildlife Reserve |
| | Wildlife Sanctuary |
| Other | Education Area |
| | Experimental Area |
| | Federal Corrections Facility |
| | Fossil Site |
| | International Biological Program |

| | | | Memorial Site |
|---|---|---|---|
| | | | Other Managed Area |
| | | | RAMSAR Wetland Site |
| | | | Special Management Area |
| | | | Water Supply Area |
| | | | Watershed |

**LOCATION AND SPATIAL ATTRIBUTES**

| Field | Type | Definition |
|---|---|---|
| subnat | TXT | Two-letter jurisdiction code (NB, NS, PE, NF, LB) |
| location | TXT | Directions to the MSA feature |
| biome | TXT | Whether an MSA feature falls within the terrestrial (T) or marine (M) environment |
| mapCode | TXT | The National Topographic System (NTS) map square the centre of the MSA feature falls within |
| coCode | TXT | Provincial county code (2 chars for province + 4 chars for county name) |
| latDec | DEC | Latitude of the centre of the MSA feature |
| lonDec | DEC | Longitude of the centre of the MSA feature |
| utmE20 | INT | Easting of the centre of the MSA feature (NAD83 UTM Zone 20N) |
| utmN20 | INT | Northing of the centre of the MSA feature (NAD83 UTM Zone 20N) |
| extentN | DEC | Northern extent of the MSA feature |
| extentS | DEC | Southern extent of the MSA feature |
| extentE | DEC | Eastern extent of the MSA feature |
| extentW | DEC | Western extent of the MSA feature |
| areaHa | DEC | Area of the polygon (ha) |

**SOURCE ATTRIBUTES**

| Field | Type | Definition |
|---|---|---|
| sourceId | TXT | Unique ID of the MSA feature in the source dataset |
| jurisId | TXT | Unique ID of the MSA feature in the original dataset |
| srcFeatType | TXT | Whether the feature was a point (PT) or polygon feature (PY) in the source dataset. True boundaries of point MSA features are not known. Points have been buffered by 15m to be included in this MSA database |
| url | TXT | Associated website holding additional information about the source feature or database |
| bestSource | TXT | Unique identifier for the source database |
| citation | TXT | Primary source of data |
| edition | TXT | Initials and date (YYYY MM DD) pertaining to the last edit to the MSA feature |