

Land Information Ontario Data Description

Wildlife Concentration Area Occurrence, Provincially Tracked

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LIO Class Description

Wildlife Concentration Area Occurrence, Provincially Tracked

Class Short Name: WCAOCCPT

Version Number: 1

Class Description:

An area of land and/or water on/in which a Wildlife Concentration Area is or was present. An EO has practical conservation value for the Wildlife Concentration Area; it is a location important to the conservation of the species within the Wildlife Concentration Area.

Abstract Class Name: SPMNTUREGION

Abstract Class

Description:

Spatial Multi-Non-Tessellating-Unconstrained Region: An object is represented by ONE or MORE polygons. Polygons MAY overlap WITHOUT any restrictions. HOLES within and GAPS between polygons ARE allowed. Example: Forest "Insect Damage Area". Mapped "Spruce Budworm" defoliated areas may overlap "Forest Tent Caterpillar" damaged areas. Likewise, mapped "Gypsy Moth" tree mortality areas may overlap mapped other "Gypsy Moth" defoliated areas from current and previous years.

Metadata URL:

Tables in LIO Class:

Wildlife Concentration Area Occurrence, Provincially Tracked

WCA_OCCURRENCE_FT

A Wildlife Concentration Area (WCA) Occurrence is an area with suitable habitat where a provincially tracked WCA is found. Some species occur regularly in large multiple-species aggregations at particular locations during periods in their life cycle. Such locations are important to the conservation of the species and are referred to as a Wildlife Concentration Area (WCA). Examples of wildlife concentration areas include shorebird migratory concentration areas, raptor winter concentration areas, and bat hibernacula.

Column Name	Column Type	Mandatory	Short Name	Valid Values
OGF_ID	NUMBER(13,0)	Yes	OGF_ID	
System generated identifier, unique at the application level.				
WCA_ELEMENT_ID	NUMBER(13,0)	Yes	ELEMENT_ID	17129, 17132, 17135, 17138, 17141, 193991, ... (See WCA_LIST table)
Foreign key link from WCA_TYPE_LIST				
OCCURRENCE_RANK	VARCHAR2(65)	No	OCCUR_RANK	A - Excellent estimated viability, A? - Possibly excellent estimated viability, AB - Excellent or good estimated viability, AC - Excellent, good, or fair estimated viability, B - Good estimated viability, B? - Possibly good estimated viability, BC - Good or fair estimated viability, BD - Good, fair, or poor estimated viability, C - Fair estimated viability, C?

- Possibly fair estimated viability, CD - Fair or poor estimated viability, D
 - Poor estimated viability, D?
 - Possibly poor estimated viability, E - Verified extant (viability not assessed), F - Failed to find, H - Historical, X - Extirpated, F? - Possibly failed to find, H? - Possibly historical, X? - Possibly extirpated, U - Unrankable, NR - Not ranked

An assigned ranking that describes the quality of the area in relation to other occurrences for the same Wildlife Concentration Area type. ----- Note: This field will store both the Occurrence Rank code and its full value. --- For more information about Occurrence Rankings, please refer to the NRVIS Users Guide.

OCCURRENCE_RANKING_DATE	DATE	No	RANK_DATE
The date on which the Occurrence Rank was applied.			
OCCURRENCE_RANKING_COMMENT	VARCHAR2(2000)	No	RANK_COMM
Comment further explaining the rank as applied to an occurrence.			
OCCURRENCE_DETAILS	VARCHAR2(2000)	No	DETAILS
General description about items of interest for an Element Occurrence.			
FIRST_OBSERVATION_DATE	VARCHAR2(20)	No	FIRST_OBS
The date when a WCA was first observed. Where multiple WCA observations are used to derive an occurrence, the value of the earliest observation date in the group should be used. ----- Note: Refer to User Guide for date formats.			
LAST_OBSERVATION_DATE	VARCHAR2(20)	No	LAST_OBS
The date when a WCA was last observed. Where multiple WCA observations are used to derive an occurrence, the value of the most recent observation date in the group should be used. ----- Note: Refer to User Guide for date formats.			
LOCATION_NAME	VARCHAR2(100)	No	LOCATION

A generally accepted name for the location where the feature occurs.

DIRECTIONS	VARCHAR2 (2000)	No	DIRECTIONS	
Instructions on how to get to the site including the method (canoe, helicopter etc.), time of year and site accessibility.				
RA_VALUE	VARCHAR2(20)	No	RA_VALUE	Very High, High, Medium, Low, Very Low, Unknown
Representation Accuracy (RA) varies on the basis of area observed to be occupied by the WCA relative to the area contained within the footprint of the mapped observation. Differences in these two values result from incorporation of additional area within the observation boundary to incorporate associated locational uncertainty. Please refer to user-guide for details. ----- Note: a (null) value in this field indicates that the RA was not assessed.				
RA_COMMENT	VARCHAR2 (1000)	No	RA_COMMENT	
Comments related to the value entered in the Representation Accuracy Value.				
MANAGEMENT_COMMENTS	VARCHAR2 (2000)	No	MGMT_COMM	
Comments about the management of the feature at this location.				
PROTECTION_COMMENTS	VARCHAR2 (2000)	No	PROT_COMM	
Comments about the level of protection provided or required for the site.				
SEPARATION_COMMENTS	VARCHAR2 (1000)	No	SEP_COMM	
Comments about the separation of this WCA occurrence from other nearby WCA occurrences of the same type.				
SENSITIVITY_CLASS	VARCHAR2(15)	Yes	SENS_CLASS	High, Medium, Low, Non- Sensitive
This field is required in Simple Data Classes where features will be flagged as Sensitive. ----- Default: Medium				
SENSITIVITY_DATE	DATE	No	SENS_DATE	
The date that the sensitivity classification was established.				
SENSITIVITY_RATIONALE	VARCHAR2(50)	Yes	SENS_RAT	VTE Species, Data Provider Agreement, No Restriction Needed, Protect Feature Type, Protect Single Feature, Legislative or Legal Reqt, Other

This field is required in Simple Data Classes. ----- The primary reason for the object's information sensitivity classification. ----- Default for Species at Risk (SAR): Legislative or Legal Reqt

SENS_RATIONALE_OTHER_DESCR	VARCHAR2(250)	No	SENS_DESCR
Description of the reason(s) for the information classification when "Other" is selected as the rationale.			
DATA_RESTRICTION_IND	VARCHAR2(3)	Yes	RESTR_IND Yes, No
A Yes/No indicator where additional data protection is required for the feature e.g. omit spatial and attribute data from public viewing. Users should elaborate the reason why the data should be protected in the Data Restriction Rationale field. ----- Default = No			
DATA_RESTRICTION_RATIONALE	VARCHAR2(254)	No	RESTR_RAT
The rationale explaining why there is a restriction on the observation data e.g. a snake hibernaculum near a public path. Data Restrictions are judged on a case-by-case basis and MNR District recommendations. ----- This field should be used to indicate any other information which may be relevant to the sensitivity of the WCA, e.g. Global conservation status rank, Provincial conservation responsibility, rarity and distribution in the province. ----- This field provides an explanation where spatial observation data should have additional protection when displayed. ----- CAVEAT: Users MUST still flag features with the appropriate Sensitivity Class to ensure proper data protection in the Ontario data warehouse (Low, Medium or Non-Sensitive).			
GEOMETRY_UPDATE_DATETIME	DATE	No	GEO_UPD_DT
Date/time the geometry was created or last modified in the source database.			
EFFECTIVE_DATETIME	DATE	Yes	EFF_DATE
Date/time the record was created or last modified in the source database.			
SHAPE	SDO_GEOMETRY	No	SHAPE

SPECIES_DOCUMENT_REFERENCE

Non-spatial Editable Table: Stores details about a document referenced by a feature e.g. Title, Author, Publication Year, Location etc. This can include standards, procedures, protocols, maps etc.

Column Name	Column Type	Mandatory	Short Name	Valid Values
OGF_ID	NUMBER (13,0)	Yes	OGF_ID	
System generated identifier, unique at the application level.				
DOCUMENT_TYPE	VARCHAR2 (25)	Yes	DOC_TYPE	Miscellaneous, Project Management, Report, Standards and Methods, Protocol, Map-OBM, Map-NTS, Map-Other, Photograph, Project Portfolio, Audio, Data Collection Form, Field Notes, Video
Identifies the document type that is being referenced such as a report, standards and methods, protocols and miscellaneous documentation such as maps. ----- Note: Choose "Project Portfolio" where several document types are bundled together for a project.				
TITLE	VARCHAR2 (254)	Yes	TITLE	
The title of the document or publication. It can be abbreviated if the original title is very long. Example for MRD001: Black River Matheson (BRIM) Data, 1989. ----- For maps, the tile or map reference identifier can be documented in this field e.g. "NTS KIRKLAND LAKE 42 A/1"				
AUTHOR	VARCHAR2	No	AUTHOR	

(80)

The name of the organization or individual who authored the document or publication.

PUBLICATION_YEAR	NUMBER (4,0)	No	PUB_YEAR
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The year when the reference was published or otherwise released. Example: 1992

PUBLISHING_INFORMATION	VARCHAR2 (150)	No	PUB_INFO
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The name of the journal, publisher, technical report series and page numbers if applicable.

MAP_SCALE	VARCHAR2 (15)	No	MAP_SCALE
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Where applicable, the scale of the reference map e.g. 1:50,000.

DOCUMENT_LOCATION	VARCHAR2 (254)	No	DOC_LOC
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Identifies the physical location of the referenced document. If the document is digital and is available online, the url to the document or its location can be stored in this field.

PACKAGED_PRODUCT_IND	VARCHAR2 (3)	No	PACK_PROD Yes, No
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A Yes/No indicator whether the document is stored and available in the Land Information Ontario Warehouse as a packaged product.

GENERAL_COMMENTS	VARCHAR2 (2000)	No	GNL_CMT
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General comments about the reference document.

EFFECTIVE_DATETIME	DATE	Yes	EFF_DATE
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Date/time the record was created or last modified in the source database.

SPECIES_MASTER_LIST

A master listing of all Ontario fauna and flora that are of interest to the Ontario Ministry of Natural Resources. A unique Element Id is assigned to each element that identifies either: - a specific species / subspecies / variety. - a grouping or category of species e.g. at the Family or Genus level. Where applicable, various element significance rankings (e.g. Sensitivity, Provincially Tracked, COSEWIC Status, SARA Status etc.) are included in this master list. --- Note: The Species Master List is used exclusively by NRVIS / LIO and is derived and updated from the Natural Heritage Information Centre master species listings.

Column Name	Column Type	Mandatory	Short Name	Valid Values
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SPECIES_ELEMENT_ID	NUMBER (13,0)	Yes	ELEMENT_ID	
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A business value that uniquely identifies a specific species, or an assemblage of species such as vegetation communities and wildlife concentration areas according to a recognized standard within Natural Heritage Information Centre (NHIC) databases. ----- NHIC database: ELEMENT_SUBNATIONAL_ID

ELCODE	VARCHAR2 (254)	No	ELCODE	
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Assigned by NatureServe, the value in this field can be used to filter out species groupings such as bird species, fish species etc. These codes change as the species classification changes, and should not be used as a long-term species code. For a unique species ID, Element ID should be used. ----- NHIC database field: ELCODE

SCI_NAME	VARCHAR2 (254)	Yes	SCI_NAME	
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The scientific name of the organism which identifies the genus and species. ----- NHIC database

field: SCI_NAME

COM_NAME	VARCHAR2 No (75)	COM_NAME	
The common name assigned to a species, a group of species, or a community. The common name may describe category levels such as species, subspecies, hybrids, varieties, families, genus, and communities. Note: As the common name may be generically described, users should also refer to the Scientific Name to ensure that the proper master species list record is selected and / or associated to. ----- NHIC database field: COM_NAME			
TAXON_GROUP	VARCHAR2 No (40)	TAXON_GRP	
The taxon group reference assigned to an element by the Natural Heritage Information Centre (NHIC). For example "Fish", "Amphibians", "Birds", "Trees", "Shrubs" etc.			
REC_SENSITIVITY_CLASS	VARCHAR2 Yes (15)	REC_SENS	Low, Medium, Non-Sensitive
Identifies the recommended Data Sensitivity Class for a species that should be applied by the user for any associated feature e.g. observations. The Sensitivity Classes are Low, Medium and Non-Sensitive. ----- Note-1: Data protection for an identified species is normally applicable for mapped features pinpointing a narrow geographical area vs. a generalized area. For example, access to the spatial and attribute data for a SAR nesting site location would be controlled, whereas a mapped Habitat Range for the same species would not require the same level of data protection as it covers a large geographical area. --- Note-2: the recommended sensitivity for a species will be displayed to the user when they choose a species from the Species Master List. It will up to the discretion of the editor to manually flag the feature with the appropriate sensitivity class.			
NHIC_TRACKED_IND	VARCHAR2 No (1)	NHIC_TRACK	Y, N,P
A "Yes" or "No" indicator assigned by NHIC if the identified species is provincially tracked or not. --- The value is stored as a single character where: Y = Yes N = No ----- Note: Species identified as being Provincially Tracked are assigned an MNR Sensitivity Ranking of "Medium" to control data access and security associated with the precise-scale mapped locations of features e.g. Bald Eagle Nesting Site. ----- NHIC database field: TRACKED			
NHIC_SENSITIVE_IND	VARCHAR2 No (1)	NHIC_SENS	Y, N
A "Yes" or "No" indicator assigned by NHIC if the identified species is assigned a higher sensitivity within the listing of rare and / or at risk species e.g. Ginseng, Wood Turtle. ----- The value is stored as a single character where: Y = Yes N = No ----- Please refer to the NHIC website for current standards relating to the use of species and individual element occurrences marked as sensitive. ----- NHIC database field: SENS_IND			
MNR_INVASIVE_IND	VARCHAR2 No (1)	MNR_INVAS	Y, N
A "Yes" or "No" indicator if a species is considered "invasive" by the Ontario Ministry of Natural Resources (OMNR), including invasive species, meaning it is having a destructive effect on other native species within its habitat. This indicator is maintained by Natural Heritage Information Centre (NHIC) staff. ----- The value is stored as a single character where: Y = Yes N = No ----- NHIC database field: PEST			
COSEWIC_STATUS	VARCHAR2 No (15)	COSEWIC	
A COSEWIC (Committee on the Status of Endangered Wildlife in Canada) status is the result of a detailed assessment of the status of a species. A COSEWIC status identifies whether or not a species is at risk of becoming extinct nationally. Species at risk are those designated as Endangered or Threatened. ----- Visit http://www.cosewic.gc.ca/ for additional information about COSEWIC. ----- The COSEWIC Status is represented as a code in this field, explained as follows: Extinct (X) - A wildlife species that no longer exists. --- Extirpated (XT) - A wildlife species that no longer exists in the wild in Canada, but exists elsewhere. --- Endangered (E) - A wildlife species facing imminent extirpation or extinction. --- Threatened (T) - A wildlife species that is likely to become endangered if nothing is done to reverse the factors leading to its extirpation or extinction. --- Special Concern (SC) - A wildlife species that may become threatened or endangered because of a combination of biological characteristics and identified threats. --- Data			

Deficient (DD) - A category that applies when the available information is insufficient (a) to resolve a wildlife species' eligibility for assessment or (b) to permit an assessment of the wildlife species' risk of extinction. --- Not At Risk (NAR) - A wildlife species that has been evaluated and found to be not at risk of extinction given the current circumstances. --- Note: Some values may be combined within the same field. ----- NHIC database field: COSEWIC

COSEWIC_STATUS_DATE	DATE	No	COSEWIC_DT
The date that the COSEWIC Status is effective. ----- NHIC database field: COSEWIC_DATE			
COSEWIC_COMMENTS	VARCHAR2 (254)	No	COSEWIC_CO
Comments about the currently assigned COSEWIC Status. ----- NHIC database field: COSEWIC_COM			
SARA_SCHEDULE_STATUS	VARCHAR2 (15)	No	SARA_SCHED
The status assigned to a species by the Federal Government Species at Risk Act (SARA). The SARA Status is stored as a code in this field whose values include: E = Endangered SC = Special Concern T = Threatened XT = Extirpated ----- NHIC database field: SARA_SCHD_1_STATUS			
SARA_STATUS_DATE	DATE	No	SARA_DATE
The date that the Federal Species at Risk Act (SARA) Status is effective. ----- NHIC database field: SARA_STATUS_DATE			
SUBNATIONAL_RANK_CODE	VARCHAR2 (15)	No	SRANK_CODE
Ontario Sub-National rank maintained by the Natural Heritage Information Centre (NHIC). Provincial (or Sub-National) ranks are used by the Natural Heritage Information Centre to set protection priorities for rare species and natural communities. These ranks are not legal designations. Provincial ranks are assigned in a manner similar to that described for global ranks, but consider only those factors within the political boundaries of Ontario. By comparing the global and provincial ranks, the status, rarity, and the urgency of conservation, needs can be ascertained. ----- The NHIC evaluates provincial ranks on a continual basis and produces updated lists at least annually. ----- The Sub-National Rank codes and definitions are as follows: --- SX = Presumed Extirpated - Species or community is believed to be extirpated from the nation or state/province. Not located despite intensive searches of historical sites and other appropriate habitat, and virtually no likelihood that it will be rediscovered. --- SH = Possibly Extirpated (Historical) - Species or community occurred historically in the nation or state/province, and there is some possibility that it may be rediscovered. Its presence may not have been verified in the past 20-40 years. A species or community could become NH or SH without such a 20-40 year delay if the only known occurrences in a nation or state/province were destroyed or if it had been extensively and unsuccessfully looked for. The NH or SH rank is reserved for species or communities for which some effort has been made to relocate occurrences, rather than simply using this status for all elements not known from verified extant occurrences. --- S1= Critically Imperilled - Critically imperilled in the nation or state/province because of extreme rarity (often 5 or fewer occurrences) or because of some factor(s) such as very steep declines making it especially vulnerable to extirpation from the state/province. --- S2 = Imperilled - Imperilled in the nation or state/province because of rarity due to very restricted range, very few populations (often 20 or fewer), steep declines, or other factors making it very vulnerable to extirpation from the nation or state/province. --- S3 = Vulnerable - Vulnerable in the nation or state/province due to a restricted range, relatively few populations (often 80 or fewer), recent and widespread declines, or other factors making it vulnerable to extirpation. --- S4 = Apparently Secure - Uncommon but not rare; some cause for long-term concern due to declines or other factors. --- S5 = Secure - Common, widespread, and abundant in the nation or state/province. --- SNR = Unranked - Nation or state/province conservation status not yet assessed. --- SU = Unrankable - Currently unrankable due to lack of information or due to substantially conflicting information about status or trends. --- SNA = Not Applicable - A conservation status rank is not applicable because the species is not a suitable target for conservation activities. --- S#S# = Range Rank - A numeric range rank (e.g., S2S3) is used to indicate any range of uncertainty about the status of the species or community. Ranges cannot skip more than one rank (e.g., SU is used rather than S1S4). ----- Description Source: NHIC Glossary ----- NHIC database field: S_RANK			
SUBNATIONAL_RANK_CHANGE_DATE	DATE	No	SRANK_DATE
The effective date that the Subnational Rank was changed by NHIC for a species. ----- NHIC database field: S_RANK_CHANGE_DATE			

SUBNATIONAL_RANK_REVIEW_DATE	DATE	No	SRANK_REV
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The date that the Subnational Rank was reviewed by NHIC. ----- NHIC database field:
S_RANK_REVIEW_DATE

SUBNATIONAL_RANK_REASON	VARCHAR2 (254)	No	SRANK_REAS
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The reason documented by NHIC for the assigned Subnational Rank. ----- NHIC database field:
S_RANK_REASONS

SARO_STATUS	VARCHAR2 (15)	No	SARO_STAT
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If a species is classified "at risk" by the Committee on the Status of Species at Risk in Ontario, they are added to the Species at Risk in Ontario (SARO) list in one of the following four categories, depending on the degree of risk: EXP = EXTIRPATED - a native species that no longer exists in the wild in Ontario, but still exists elsewhere (e.g. Greater Prairie Chicken) --- END = ENDANGERED - a native species facing extinction or extirpation (e.g. Cucumber Tree) --- THR = THREATENED - a native species at risk of becoming endangered in Ontario (e.g. Fowler's Toad) --- SC = SPECIAL CONCERN - a native species that is sensitive to human activities or natural events which may cause it to become endangered or threatened (e.g. Monarch Butterfly).

SARO_STATUS_DATE	DATE	No	SARO_DATE
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The calendar date that is applicable to the current Species At Risk in Ontario (SARO) status.

SARO_STATUS_COMMENTS	VARCHAR2 (254)	No	SARO_COM
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Comments relating to the current Species At Risk in Ontario (SARO) status.

KINGDOM	VARCHAR2 (10)	No	KINGDOM
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The classified Kingdom of the species: In biology, kingdom is a taxonomic rank above Phylum. Kingdom classifications are as follows: Moneira - Unicellular and colonial organisms, including the true bacteria and cyanobacteria. --- Protista ? Organisms with just one eukaryotic cell. --- Fungi ? Including mushrooms and other fungus. --- Plantae ? Including trees, grass and flowers. --- Animalia ? From snails, birds, reptiles, amphibians to mammals ----- NHIC database field:
KINGDOM

PHYLUM	VARCHAR2 (100)	No	PHYLUM
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The classified Phylum of the species. In biology, phylum is a taxonomic rank below Kingdom and above Class. ----- NHIC database field: PHYLUM

SUBPHYLUM	VARCHAR2 (100)	No	SUBPHYLUM
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In biology, subphylum is a taxonomic rank intermediate between phylum and superclass. Not all organisms are assigned to a subphylum.

CLASS_TAXON	VARCHAR2 (100)	No	CLASS_TX
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In biology, class is a taxonomic rank between superclass and subclass. ----- NHIC database field:
CLASS

SUBCLASS	VARCHAR2 (100)	No	SUBCLASS
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In biology, subclass is a taxonomic rank intermediate between class and infraclass.

INFRACCLASS	VARCHAR2 (100)	No	INFRACCLASS
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In biology, infraclass is a taxonomic rank intermediate between subclass and order.

ORDER_TAXON	VARCHAR2 (100)	No	ORDER_TX
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In biology, order is a taxonomic rank between infraclass and suborder. ----- NHIC database field:

ORDER

SUBORDER	VARCHAR2 No (100)	SUBORDER
In biology, suborder is a taxonomic rank intermediate between order and infraorder.		
INFRAORDER	VARCHAR2 No (100)	INFRAORDER
In biology, infraorder a taxonomic rank intermediate between suborder and superfamily.		
SUPERFAMILY	VARCHAR2 No (100)	SUPERFAMIL
In biology, superfamily is a taxonomic rank intermediate between infraorder and family.		
FAMILY_ID	NUMBER No (13,0)	FAMILY_ID
The NatureServe Identifier assigned a each species nomenclature Family. ----- NHIC database field: FAM_ID		
FAMILY	VARCHAR2 No (100)	FAMILY
In biology, family is a taxonomic rank between superfamily and subfamily. ----- NHIC database field: FAMILY		
FAMILY_NAME	VARCHAR2 No (20)	FAMILY_NAM
A generic name to describe the family of a species. For example, the family: Aceraceae is described in this field as "maple family". ----- NHIC database field: FAM_NAME		
SUBFAMILY	VARCHAR2 No (100)	SUBFAMILY
In biology, subfamily is a taxonomic rank intermediate between family and tribe.		
TRIBE	VARCHAR2 No (100)	TRIBE
In biology, tribe is a taxonomic rank intermediate between subfamily and genus.		
GENUS_ID	NUMBER No (13,0)	GENUS_ID
The NatureServe Identifier assigned a each species nomenclature Genus. ----- NHIC database field: GENUS_ID		
GENUS	VARCHAR2 No (100)	GENUS
In biology, genus is a taxonomic rank between tribe and subgenus. ----- NHIC database field: GENUS		
GENUS_NAME	VARCHAR2 No (100)	GENUS_NAME
A generic name to describe the Genus of a species. For example, the Genus: Rhus is described in this field as "sumac". ----- NHIC database field: GENUS_NAME		
SUBGENUS	VARCHAR2 No (100)	SUBGENUS
In biology, subgenus is a taxonomic rank intermediate between genus and species.		
SPECIES	VARCHAR2 No (100)	SPECIES
In biology, a species is a taxonomic rank between subgenus and subspecies.		
SUBSPECIES	VARCHAR2 No (100)	SUBSPECIES

In biology, subspecies is a taxonomic rank below species.

EFFECTIVE_DATETIME	DATE	Yes	EFF_DATE
Date/time the record was created or last modified in the source database.			

EXPIRY_DATETIME	DATE	No	EXP_DATE
Date/time that the record was expired from use.			

SPECIES_OCCURRENCE

Details about a Species Occurrence.

Column Name	Column Type	Mandatory	Short Name	Valid Values
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OGF_ID	NUMBER (13,0)	Yes	OGF_ID	
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System generated identifier, unique at the application level.

CLASS_SHORT_NAME	VARCHAR2 (11)	Yes	CLASS_NAME	
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The unique LIO database short name assigned to every Data Class. For example: SPOCC = Species Occurrence
SPOCCPE = Species Occurrence Pending

SPC_REC_CREATOR_GROUP	VARCHAR2 (100)	Yes	CREATOR_GR	Yes, No
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Identifies the group responsible for creating the species occurrence pending record using the Corporate Editor. -----
Field Purpose: Permits the filtering of occurrence data by their record creator origin. For example, finding records created by Parks Ontario, NHIC, Caribou Program, Guelph District etc.

SPECIES_ELEMENT_ID	NUMBER (13,0)	Yes	ELEMENT_ID	0, 1000, 10000, 100000, 100002, 100004, ... (See SPECIES_MASTER_LIST table)
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A business value that uniquely identifies a specific species, or an assemblage of species such as vegetation communities and wildlife concentration areas according to a recognized standard within Natural Heritage Information Centre (NHIC) databases. ----- Note: For Species Occurrence Provincial, the following filter will be used in the Species Master List: WHERE TRACKED = Y AND PEST = Y ----- NHIC database: ELEMENT_SUBNATIONAL_ID

EO_ID	NUMBER (10,0)	Yes	EO_ID	
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A unique identifier assigned to each provincially tracked species occurrence.

OCCURRENCE_RANK	VARCHAR2 (65)	No	OCCUR_RANK	A - Excellent estimated viability, A? - Possibly excellent estimated viability, AB - Excellent or good estimated viability, AC - Excellent, good, or fair estimated viability, B - Good estimated viability, B? - Possibly good estimated viability, BC - Good or fair estimated viability, BD - Good, fair, or poor estimated viability, C - Fair estimated viability, C? - Possibly fair estimated viability, CD - Fair or poor estimated viability, D - Poor estimated viability, D? - Possibly poor estimated viability, E - Verified extant (viability not assessed), F - Failed to find, H - Historical, X - Extirpated, F? - Possibly failed to find, H? - Possibly historical, X? - Possibly extirpated, U - Unrankable, NR - Not ranked
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An assigned ranking that describes the quality of the area in relation to other occurrences for the same species. -----
Note: This field will store both the Occurrence Rank code and its full value. --- For more information about Occurrence

Rankings, please refer to the NRVIS Users Guide.

OCCURRENCE_RANKING_DATE	DATE	No	RANK_DATE	
The date on which the Occurrence Rank was applied.				
OCCURRENCE_RANKING_COMMENT	VARCHAR2 (2000)	No	RANK_COMM	
Comment further explaining the rank as applied to an occurrence.				
FIRST_OBSERVATION_DATE	VARCHAR2 (20)	No	FIRST_OBS	
The date when a species was first observed. Where multiple species observations are used to derive an occurrence, the value of the earliest observation date in the group should be used. ----- Refer to user guide for recommended best practices regarding the date format for values stored in this field.				
LAST_OBSERVATION_DATE	VARCHAR2 (20)	No	LAST_OBS	
The date when a species was last observed. Where multiple species observations are used to derive an occurrence, the value of the most recent observation date in the group should be used. ----- Refer to user guide for recommended best practices regarding the date format for values stored in this field.				
LOCATION_NAME	VARCHAR2 (100)	No	LOCATION	
A generally accepted name for the location where the feature occurs.				
DIRECTIONS	VARCHAR2 (2000)	No	DIRECTIONS	
Instructions on how to get to the site including the method (canoe, helicopter etc.), time of year and site accessibility.				
RA_VALUE	VARCHAR2 (20)	No	RA_VALUE	Very High, High, Medium, Low, Very Low, Unknown
Representation Accuracy (RA) varies on the basis of area observed to be occupied by the species relative to the area contained within the footprint of the mapped observation. Differences in these two values result from incorporation of additional area within the observation boundary to incorporate associated locational uncertainty. Please refer to user-guide for details. ----- Note: a (null) value in this field indicates that the RA was not assessed.				
RA_COMMENT	VARCHAR2 (1000)	No	RA_COMMENT	
Comments related to the value entered in the Representation Accuracy Value.				
BIOLOGICAL_DETAILS_NOTES	VARCHAR2 (2000)	No	BIOL_DET	
Data collected on the biology of this Occurrence, including the number of individuals, vigor, habitat, soils, associated species, peculiar characteristics, etc. ----- NHIC database field name: EO_DATA				
HABITAT_USE_CLASS	VARCHAR2 (75)	No	HAB_CLASS	Caribou Winter Activity Area, Dispersal - Dispersal Site, Dispersal - Travel Corridor, Diurnal Movement - Roosting Site, Feeding - Burrowing Site, Feeding - Caching Site, ... (See SPECIES_HABITAT_USE_CLASS_LIST table)
The life process and subcategory associated with a particular site. ----- Note: The permissible values for this field were defined by the Natural Heritage Information Centre (NHIC) and Species at Risk (SAR). ----- Rule: When a value of "Other" is chosen, it should be described in the "Habitat Description" field.				
HABITAT_DESCR	VARCHAR2 (2000)	No	HAB_DESCR	
Freeform text about the surrounding habitat.				
HABITAT_BEST_BEFORE_DATE	VARCHAR2 (8)	No	HAB_BEST_B	

The date past which the area may no longer contain valid habitat. The default value should be five years ahead of the record effective date for the feature. ----- The format is as follows: YYYYMMDD (Year-Month-Day) e.g. 19631031

MANAGEMENT_COMMENTS	VARCHAR2 (2000)	No	MGMT_COMM
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Comments about the management of the feature at this location.

PROTECTION_COMMENTS	VARCHAR2 (2000)	No	PROT_COMM
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Comments about the level of protection provided or required for the site.

SEPARATION_COMMENTS	VARCHAR2 (1000)	No	SEP_COMM
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Comments about the separation of this species occurrence from other nearby species occurrences.

DATA_RESTRICT_IND	VARCHAR2 (3)	No	RESTR_IND	Yes, No
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A Yes/No indicator where additional data protection is required for the feature e.g. omit spatial and attribute data from public viewing. Users should elaborate the reason why the data should be protected in the Data Restriction Rationale field. ----- Default = No

DATA_RESTRICT_RATIONALE	VARCHAR2 (254)	No	RESTR_RAT
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The rationale explaining why there is a restriction on the observation data e.g. a snake hibernaculum near a public path. Data Restrictions are judged on a case-by-case basis and MNR District recommendations. ----- This field should be used to indicate any other information which may be relevant to the sensitivity of the species, e.g. Global conservation status rank, Provincial conservation responsibility, rarity and distribution in the province. ----- This field provides an explanation where spatial observation data should have additional protection when displayed. ----- CAVEAT: Users MUST still flag features with the appropriate Sensitivity Class to ensure proper data protection in the Ontario data warehouse (Low, Medium or Non-Sensitive)

EFFECTIVE_DATETIME	DATE	Yes	EFF_DATE
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Date/time the record was created or last modified in the source database.

WCA_LIST

A lookup list of Wildlife Concentration Area (WCA).

Column Name	Column Type	Mandatory	Short Name	Valid Values
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WCA_ELEMENT_ID	NUMBER (13,0)	Yes	ELEMENT_ID
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A business value that uniquely identifies a specific species, or an assemblage of species such as plant communities (PC) and wildlife concentration areas (WCA) according to a recognized standard within Natural Heritage Information Centre (NHIC) databases. ----- NHIC database field: ELEMENT_SUBNATIONAL_ID

ELEMENT_CODE	VARCHAR2 (254)	No	ELEMENT_C
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Assigned by NatureServe, the value in this field can be used to filter out species groupings such as bird species, fish species etc. These codes change as the species classification changes, and should not be used as a long-term species code. For a unique species ID, Element ID should be used. ----- NHIC database field: ELCODE

COMMON_NAME	VARCHAR2 (75)	Yes	COM_NAME
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The common name assigned to a Wildlife Concentration Area. ----- NHIC database field: COM_NAME

WCA_GENERAL_DESCR	VARCHAR2 (2000)	No	GEN_DESCR
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Text describing the characteristics for a Wildlife Concentration Area. ----- NHIC database field:

Currently does not exist so will need to be added to Biotics

REC_SENSITIVITY_CLASS	VARCHAR2 (15)	Yes	REC_SENS	Low, Medium, Non-Sensitive
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Identifies the recommended Data Sensitivity Class for a WCA that should be applied by the user for any associated feature e.g. observations. The Sensitivity Classes are Low, Medium and Non-Sensitive. ----- Note-1: Data protection for an identified WCA is normally applicable for mapped features pinpointing a narrow geographical area vs. a generalized area. For example, access to the spatial and attribute data for a bat colony location would be controlled, whereas a mapped range for bat colonies would not require the same level of data protection as it covers a large geographical area. --- Note-2: the recommended sensitivity for a WCA will be displayed to the user when they choose a WCA from the WCA Master List. It will up to the discretion of the editor to manually flag the feature with the appropriate sensitivity class.

NHIC_TRACKED	VARCHAR2 (1)	No	NHIC_TRACK	Y, N
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A "Yes" or "No" indicator assigned by NHIC if the identified WCA is provincially tracked or not. ---- - The value is stored as a single character where: Y = Yes N = No ----- Note: WCA?s identified as being Provincially Tracked are assigned an MNR Sensitivity Ranking of "Medium" to control data access and security associated with the precise-scale mapped locations of features e.g. Bald Eagle Nesting Site. ----- NHIC database field: TRACKED

NHIC_SENSITIVE	VARCHAR2 (1)	Yes	NHIC_SENS	Y, N
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A "Yes" or "No" indicator assigned by NHIC if the identified WCA is assigned a higher sensitivity within the listing of rare WCA?s e.g. Bat Colony. ----- The value is stored as a single character where: Y = Yes N = No ----- Please refer to the NHIC website for current standards relating to the use of WCA?s and individual element occurrences marked as sensitive. ----- NHIC database field: SENS_IND

EFFECTIVE_DATETIME	DATE	Yes	EFF_DATE
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Date/time the record was created or last modified in the source database.

EXPIRY_DATETIME	DATE	No	EXP_DATE
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Date/time that the record was expired from use.

WCA_OBS_AND_WCA_OCC

Intersect table between WCA Observation and WCA Occurrence tables. A WCA occurrence is defined from one or more WCA observations. ----- Rule: The association between a WCA Occurrence feature and a WCA Observation can only be accomplished for NHIC evaluated Observation Records where an NHIC Observation Identifier has been assigned.

Column Name	Column Type	Mandatory	Short Name	Valid Values
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WCA_OBSERVATION_ID	NUMBER (13,0)	Yes	WCA_OBS_ID
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System generated identifier, unique at the application level.

WCA_OCCURRENCE_ID	NUMBER (13,0)	Yes	WCA_OCC_ID
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System generated identifier, unique at the application level.

EFFECTIVE_DATETIME	DATE	Yes	EFF_DATE
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Date/time the record was created or last modified in the source database.

WCA_OCC_AND_SPECIES_DOC_REF

Intersect table between WILDLIFE CONCENTRATION AREA OCCURRENCE and SPECIES DOCUMENT REFERENCE which allows multiple referencing of WCA Occurrences to documents such as standards, protocols, maps, photos taken during observations etc.

Column Name	Column Type	Mandatory	Short Name	Valid Values
WCA_OCCURRENCE_ID	NUMBER (13,0)	Yes	WCA_OCC_ID	
System generated identifier, unique at the application level.				
SPECIES_DOCUMENT_REFERENCE_ID	NUMBER (13,0)	Yes	DOC_REF_ID	
System generated identifier, unique at the application level.				
EFFECTIVE_DATETIME	DATE	Yes	EFF_DATE	
Date/time the record was created or last modified in the source database.				

WCA_OCC_NOTABLE_SPECIES

A notable or tracked species for a specific Wildlife Concentration Area (WCA) occurrence.

Column Name	Column Type	Mandatory	Short Name	Valid Values
WCA_OCCURRENCE_ID	NUMBER (13,0)	Yes	WCA_OCC_ID	
System generated identifier, unique at the application level.				
SPECIES_OCCURRENCE_ID	NUMBER (13,0)	Yes	OCCUR_ID	
System generated identifier, unique at the application level.				
EFFECTIVE_DATETIME	DATE	Yes	EFF_DATE	
Date/time the record was created or last modified in the source database.				

LIO Lookup Table Values:**WCA_LIST**

WCA ELEMENT ID	ELEMENT CODE	COMMON NAME	WCA GENERAL DESCR	REC SENSITIVITY CLASS	NHIC TRACKED	NHIC SENSITIVE	EXPIRY DATETIME
17129	ORAPTORWC1	Raptor Winter Concentration Area		Medium	Y	N	
17132	OSHORBRDM1	Shorebird Migratory Concentration Area		Medium	Y	N	
17135	OWATERBRD1	Colonial Waterbird Nesting Area		Medium	Y	N	
17138	OWTRFOWLM1	Waterfowl Concentration Area		Medium	Y	N	
17141	OMUSSEL000	Freshwater Mussel Concentration Area		Medium	Y	N	
193991	OWADINGCA1	Mixed Wader Nesting Colony		Medium	Y	N	
193995	OBATCOLONY	Bat Hibernaculum/Nursery		Medium	Y	Y	