

Land Information Ontario Data Description

Wildlife Values Area

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LIO Class Description

Wildlife Values Area

Class Short Name: WILDACAR

Version Number: 1

Class Description:

This data class identifies the areas where specific wildlife values/activities such as breeding, calving/fawning, denning, feeding, nursery, staging, travel corridors, wintering etc. are of local interest to Ministry of Natural Resources and Forestry Districts and Regions. These values may be species-specific or generally described. Intended for wildlife values/activity features that are best represented as a delineated boundary (area), including those for colony bird species.

Abstract Class Name: SPSNTCREGION

Abstract Class

Description:

Spatial Single-Non-Tessellating-Constrained-Region: An object is represented by ONE and ONLY ONE polygon. Polygons MAY overlap ONLY when their respective Geographic Unit Types are different. HOLES within and GAPS between polygons ARE allowed. Example: "Calving Fawning Site". A "Moose Calving Site" may overlap a "Deer Fawning Site", but Moose Calving Sites are not permitted to overlap one another.

Metadata URL:

Tables in LIO Class: Wildlife Values Area

WILDLIFE_ACTIVITY_AREA_FT

This data class identifies the areas where specific wildlife values/activities such as breeding, calving/fawning, denning, feeding, nursery, staging, travel corridors, wintering etc. are of local interest to Ministry of Natural Resources and Forestry Districts and Regions. These values may be species-specific or generally described. Intended for wildlife values/activity features that are best represented as a delineated boundary (area), including those for colony bird species.

Column Name	Column Type	Mandatory	Short Name	Valid Values
OGF_ID	NUMBER(13,0)	Yes	OGF_ID	
Ontario Geospatial Feature (OGF) ID. A unique numeric provincial identifier assigned to each feature record in the database.				
WILDLIFE_ACTIVITY_TYPE	VARCHAR2(80)	Yes	WLD_ACT_TY	'American Black Bear Fishing', 'American Ginseng - Large Patch', 'American Ginseng - Small Patch', 'American White Pelican Nesting Site/Colony', 'Arctic Tern Nesting Site/Colony', 'Bald Eagle Feeding Area', ... (See WILDLIFE_ACTIV_AREA_TYPE_LIST table)
Identifies the specific type of wildlife value/activity associated with this feature. The value may be specific to a species, or generally described.				
HABITAT_CLASS	VARCHAR2(30)	Yes	HABITAT_CL	
A general classification of the habitat where the wildlife value is found. The Habitat Class value is from the same row of the WILDLIFE_ACTIVITY_TYPE_LIST lookup table for the chosen WILDLIFE_ACTIVITY_TYPE. The values in this field can be used by users to group data into or to select specific habitat classes.				
LOCAL_IDENT	VARCHAR2(100)	No	LOCAL_ID	
A unique local identifier assigned to a wildlife values feature such as a standardized district coding system (e.g. "FF-4712", or a name e.g. "Loring Deer Yard").				
HABITAT_QUALIFICATION	VARCHAR2(20)	Yes	HABITAT_QU	'Presently Suitable', 'Presently Unsuitable', 'Not Specified'
A qualifying indicator of present habitat suitability. Values include: "Presently Suitable", "Presently Not Suitable" or "Not Specified". Refer to user-guide for more details.				
HABITAT_RANK	VARCHAR2(20)	No	HABITAT_RA	'Nil', 'Low', 'Moderate', 'High', 'Very High'
A relative indicator of habitat quality according to a ranking system used to define and compare Habitat quality e.g. Low, Moderate, High, Very High. A value of "Nil" indicates that area has been surveyed, but no suitable habitat has been found (this is an inventory practice for Moose Aquatic Feeding Areas). Null values are to be interpreted as not being applicable to this wildlife values feature.				
LOCATION_CLASS	VARCHAR2(20)	No	LOCATION_C	'Island', 'Peninsula', 'Shoreline', 'Upland I', 'Upland II', 'Wetland'
The landscape type or structure of the site.				
SPECIES_EVIDENCE_FLG	VARCHAR2(20)	Yes	SPECIES_EV	'Yes', 'No', 'Not Evaluated'
Flag noting if there is direct evidence of species in this area or site. Values are described as follows: 1) Yes - Tangible evidence is present at this location e.g. species itself seen, tracks, scat etc. 2) No - No visual evidence of species found e.g. only heard calls. 3) Not Evaluated - Species evidence has not yet been evaluated e.g. for a Mast Producing Area.				
FORAGE_TYPE	VARCHAR2(50)	No	FORAGE_TYP	'Acorn', 'Acorn/Beech', 'Acorn/Beech/Hazelnut/Walnut',

'Acorn/Beech/Walnut',
 'Acorn/Hazelnut',
 'Acorn/Hazelnut/Walnut', ...
 (See
 WILDLIFE_ACTIV_FORAG_TYPE_LIST
 table)

INTENDED FOR MOOSE AQUATIC FEEDING AREA AND MAST PRODUCING AREA ONLY. Where applicable, the type of forage vegetation that is the focus of wildlife activity at this site.

LOCATION_DESCR	VARCHAR2 (2000)	No	LOCATION	
Description of the area or directions on how to get to the site. Do not include personal information that would contravene the Freedom of Information and Protection of Privacy Act (FIPPA). If MNRF staff names need to be included in the comment they must be properly identified. Example: John Doe - MNRF				
GENERAL_COMMENTS	VARCHAR2 (2000)	No	COMMENTS	
General comments about the wildlife values feature. Do not include personal information that would contravene the Freedom of Information and Protection of Privacy Act (FIPPA). If MNRF staff names need to be included in the comment they must be properly identified. Example: John Doe - MNRF				
VERIFICATION_STATUS_FLG	VARCHAR2(10)	No	VERISTT_FL	'Verified', 'Unverified'
An indication as to whether a qualified employee has verified the existence of the geographic unit.				
VERIFICATION_STATUS_DATE	DATE	No	VERIF_DATE	
Date that the geographic unit was verified/validated.				
LOCATION_ACCURACY	VARCHAR2(25)	Yes	ACCURACY	'Not Applicable', 'Over 10,000 metres', 'Within 1 metre', 'Within 10 metres', 'Within 10,000 metres', 'Within 100 metres', ... (See LOCATION_ACCURACY_LIST table)
The degree of conformity or closeness of a measurement for the mapped feature compared to its true location on the ground.				
SENSITIVITY_CLASS	VARCHAR2(15)	Yes	SENS_CLASS	'Low', 'Medium', 'Non-Sensitive'
LIO EDITOR NON-EDITABLE FIELD: Identifies the Ministry of Natural Resources and Forestry (MNRF) sensitivity for a feature in order to protect values. In this data class, feature sensitivity will be determined by the value in the SPECIES_MASTER_LIST.REC_SENSITIVITY_CLASS for a species. Species that are provincially tracked will be assigned a sensitivity class value of "Medium". Non-Tracked or non-species-specific features will be assigned a value of "Non-Sensitive". There may be a few exceptions where the Natural Heritage Information Centre (NHIC) may flag a species with "Low" sensitivity.				
SYSTEM_CALCULATED_AREA	NUMBER(16,3)	No	SYS_AREA	
The area of a polygon feature measured in square metres by the system.				
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	
Geometry attribute.				

LOCATION_ACCURACY_LIST

List of valid location accuracies associated to a mapped feature.

Column Name	Column Type	Mandatory	Short Name	Valid Values
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LOCATION_ACCURACY VARCHAR2 Yes ACCURACY
(25)

The degree of conformity or closeness of a measurement within the database to its true value in the world.

EFFECTIVE_DATETIME DATE Yes EFF_DATE

For subscription: Date/time that the record was created in the LIO database. For publication: Date/time that the record was created in the source database.

EXPIRY_DATETIME DATE No EXP_DATE

Date the record is no longer part of the database, or no longer valid. This is only populated in the history tables otherwise it will be null except for code tables.

WILDLIFE_ACTIVITY_AREA_NEST

Nesting site information for colonial bird species where multiple nests are present. The scope of information stored in this layer is exclusively limited to bird species that are of interest to resource management planning activities, especially for species at risk (SAR) feature protection. NOTE #1: Where appropriate, a new nesting site should also have an initial Wildlife Activity Nest Site Visit record created at the time of discovery to capture additional attributes.

Column Name	Column Type	Mandatory	Short Name	Valid Values
WILDLIFE_ACTIVITY_AREA_ID	NUMBER (13,0)	Yes	WLDACAR_ID	
Foreign Key (FK) reference to parent WILDLIFE_ACTIVITY_AREA.OGF_ID feature record.				
GONE_DATE	VARCHAR2 (20)	No	GONE_DATE	
The date the colony nests were documented as gone or abandoned. NOTE: "Gone Date" does not refer to the date when the nest no longer needs to be protected.				
NESTING_ACTIVITY_STATUS	VARCHAR2 (35)	Yes	ACTIVITY	'Active - Primary Nest or Colony', 'Active - Alternate Nest', 'Inactive', 'Not Applicable'
Identifies if the nest or colony is being used or not. RULE: If the "Gone Date" field is populated, users should assign a Nesting Activity Status of "Not Applicable".				
NEST_SUPPORT_TYPE	VARCHAR2 (30)	Yes	SUPP_TYPE	'Building', 'Cave', 'Cliff', 'Floating Vegetation', 'Ground', 'Nesting Box', 'Pole or Tower', 'Tree', 'Not Specified'
The structure in which the nests are located or constructed. For a colony the dominant nest support type should be recorded.				
NEST_HEIGHT_ABOVE_GROUND	NUMBER (5,2)	No	NEST_HT	
The average height of the colony nests above ground measured in metres.				
NEST_TREE_CONDITION	VARCHAR2 (15)	No	TREE_COND	'Alive', 'Dead', 'Dead at Top'
The average/majority biological or physical condition of the tree supporting the colony nests e.g. alive, dead, dead at top. RULE: This field is only editable if the chosen Nest support Type = "Tree".				
NEST_LOCATION_IN_TREE	VARCHAR2 (25)	No	LOCATION	'Base of Crown', 'Cavity', 'Top of Tree', 'Within Crown'
The average location of the colony nests in the trees. For a colony, the typical location should be identified. RULE: this field is only editable if the Nest Support Type chosen = "Tree".				
TREE_SPECIES_COMMON_NAME	VARCHAR2 (60)	No	TREE_SPEC	'American Basswood', 'American Beech', 'American Chestnut', 'American Elm', 'American'

Mountain-Ash', 'American Witch-Hazel', ...
(See
WILDLIFE_ACTIVITY_TREE_SP_LIST
table)

Identifies the common name of the dominant tree species that the colony nests are located in e.g. "Eastern White Pine".

TREE_CROWN_DOMINANCE	VARCHAR2 No (25)	TREE_CROWN	'Supercanopy', 'Dominant', 'Intermediate'
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Refers to the position of a living tree crown in relationship to the living tree crowns that are adjacent to it. Rule: this field is only editable if the Nest Support Type chosen is "Tree".

NEST_WIDTH_CATEGORY	VARCHAR2 No (20)	NEST_WIDTH	'Less than 75 cm', '75 to 150 cm', 'More than 150 cm'
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The average width (or diameter) category of the colony nests expressed in centimeter ranges. This information will aid District Biologists identify bird species in instances where the nesting colonial species cannot be determined during a field survey e.g. "Unknown Heron" etc.

NEST_DEPTH_CATEGORY	VARCHAR2 No (10)	NEST_DEPTH	'Deep', 'Shallow'
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The average depth category of the colony nests. This information will aid District Biologists identify bird species in instances where the nesting colonial species cannot be determined during a field survey e.g. "Unknown Heron" etc. Permissible values include: Shallow (less than half as deep as wide), Deep (more than half as deep as wide).

STICK_DIAMETER_CATEGORY	VARCHAR2 No (35)	STICK_DIAM	'Mostly pencil-sized and larger', 'Mostly cigar-sized and larger', 'Mostly pencil-sized and smaller'
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The average diameter category of the sticks used in the construction of the colony nests. The chosen category will aid District Biologists identify bird species in instances where the nesting colony species cannot be determined during a field survey e.g. "Unknown Heron" etc.

NEST_CONSTRUCTION_CATEGORY	VARCHAR2 No (25)	NEST_CONST	'Loosely built', 'Solid and shaggy', 'Solid but not shaggy'
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The average type of colony nest construction category. The chosen category will aid District Biologists identify bird species in instances where the nesting colony species cannot be determined during a field survey e.g. "Unknown Heron" etc.

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

WILDLIFE_ACTIVITY_TREE_SP_LIST

Listing of the common names for tree species. The values in this lookup table is a subset of the master species list maintained by the Natural Heritage Information Center (NHIC). The corresponding NHIC "Species ID" is also stored in this lookup table.

Column Name	Column Type	Mandatory	Short Name	Valid Values
TREE_SPECIES_COMMON_NAME	VARCHAR2 (60)	Yes	TREE_SPEC	

The common name that a tree species is known by e.g. Eastern White Pine.

SPECIES_ELEMENT_ID	NUMBER (13,0)	No	ELEMENT_ID	
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The unique species Id assigned to each species catalogued in the Natural Heritage Information Center's Biotics database (Element Id). Please note that Wildlife Id is not to be confused with the NRVIS Wildlife Usage Id.

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.

WILDLIFE_ACTIV_AREA_NEST_VISIT

Stores information about the current conditions at a nesting bird colony where multiple nests are present. Colonies may be visited several times over a period of years to assess current conditions in order to determine the appropriate level of protection for the feature against human activities (e.g. aggregate extraction, timber harvesting, and development). This table should also be used to document additional colonial bird nesting information for newly discovered colonies.

Column Name	Column Type	Mandatory	Short Name	Valid Values
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WILDLIFE_ACTIVITY_AREA_ID	NUMBER (13,0)	Yes	WLDACAR_ID	
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Foreign Key (FK) reference to parent WILDLIFE_ACTIVITY_AREA.OGF_ID feature record.

SITE_VISIT_DATE	DATE	Yes	VISIT_DATE
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The calendar date of when the site visit took place. Format: YYYY-MM-DD e.g. 2007-01-06 (January 6, 2007)

SITE_VISIT_TYPE	VARCHAR2 (25)	Yes	VISIT_TYPE	'Field Visit - Ground', 'Field Visit - Air', 'Desktop Update
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The type of visit to the site e.g. Field Visit - Ground, Field Visit - Air, Desktop Update. DEFAULT: Field Visit - Ground

INSPECTED_BY	VARCHAR2 (80)	Yes	INSPECT_BY
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Identifies the name and title of an inspector acting in an official and professional capacity e.g.: Robert Cardona, Area Technician, MNRF.

NUM_NESTS_IN_GOOD_REPAIR	NUMBER (3,0)	No	NUM_GOOD
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The number of nests in the colony that are in a good enough condition for nesting.

NUM_NESTS_IN_POOR_REPAIR	NUMBER (3,0)	No	NUM_POOR
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The number of nests in the colony that are in poor condition.

NUM_OCCUPIED_NESTS_IN_COLONY	NUMBER (3,0)	No	NUM_OCC
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The number of occupied nests in the colony observed during the field visit.

NESTING_SITE_SUITABILITY	VARCHAR2 (25)	No	SITE_SUIT	'Suitable', 'Unsuitable'
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The overall suitability of the site for providing adequate support and cover for the nesting bird colony. A site may be deemed unsuitable for nesting where a) an adjoining tree damages the nesting tree, b) with ground nests where there is flooding, c) with cliff nesting areas - danger of rock fall etc.

NEST_OCCUPANCY_EVIDENCE_DESCR	VARCHAR2 (2000)	No	NEST_OCCUP
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Free-text description of nest occupancy evidence observed in the colony during the field visit.

NEST_SITE_VISIT_COMMENTS	VARCHAR2 (2000)	No	COMMENTS
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Additional comments about the nesting field visit not captured by other fields. Do not include personal information that would contravene the Freedom of Information and Protection of Privacy

Act (FIPPA).

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

WILDLIFE_ACTIV_AREA_TYPE_LIST

Lookup Table (LUT) of permissible wildlife values or activity types, either species-specific or generally described.

Column Name	Column Type	Mandatory	Short Name	Valid Values
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WILDLIFE_ACTIVITY_TYPE	VARCHAR2 (80)	Yes	WLD_ACT_TY
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Identifies the specific type of wildlife value or activity which may be species-specific, or generally described.

HABITAT_CLASS	VARCHAR2 (30)	Yes	HABITAT_CL
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A general classification of the habitat where wildlife activity takes place.

SPECIES_ELEMENT_ID	NUMBER (13,0)	No	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. NOTE: Values correspond with those from SPECIES_MASTER_LIST, where recommended data sensitivity are identified for species.

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.

WILDLIFE_ACTIV_FORAG_TYPE_LIST

Lookup table of permissible forage types consumed by wildlife such as aquatic vegetation consumed by moose, and hard mast nut types consumed by deer, black bears etc.

Column Name	Column Type	Mandatory	Short Name	Valid Values
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FORAGE_TYPE	VARCHAR2 (50)	Yes	FORAGE_TYP
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Where applicable, the type of forage vegetation that is the primary focus of specific wildlife activity at this site. CONDITIONAL MANDATORY: requires a value if the chosen Wildlife Activity Type is Moose Aquatic Feeding Area or Mast Producing Area.

FORAGE_CATEGORY	VARCHAR2 (30)	Yes	FORAGE_CAT
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The broader forage type category e.g. Aquatic Vegetation Type, Mast Nut Type.

WILDLIFE_ACTIVITY_TYPE	VARCHAR2 (80)	No	WLD_ACT_TY
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Identifies the specific type of wildlife activity associated with this feature. The activity may be specific to a species, or generally described.

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.

LIO Lookup Table Values:
LOCATION_ACCURACY_LIST

LOCATION ACCURACY	EXPIRY DATETIME
Not Applicable	
Over 10,000 metres	
Within 1 metre	
Within 10 metres	
Within 10,000 metres	
Within 100 metres	
Within 1000 metres	
Within 2 metres	
Within 20 metres	
Within 200 metres	
Within 2000 metres	
Within 5 metres	
Within 50 metres	
Within 500 metres	
Within 5000 metres	
AC Accurate (to 10m)	2007-01-12
AP Approximate (to 500m)	2007-01-12
GE General (to 10,000m)	2007-01-12
MO Moderate (to 1000m)	2007-01-12
RE Reliable (to 100m)	2007-01-12
VA Very Accurate (to 2m)	2007-01-12
VG Vague (to 100,000m)	2007-01-12
^ Data Load	2007-01-12

LIO Lookup Table Values:
WILDLIFE_ACTIVITY_TREE_SP_LIST

TREE SPECIES COMMON NAME	SPECIES ELEMENT ID	EXPIRY DATETIME
American Basswood	108000	
American Beech	46002	
American Chestnut	46000	
American Elm	47004	
American Mountain-Ash	82380	
American Witch-Hazel	80000	
Balsam Fir	13000	
Balsam Poplar	41002	
Big Shellbark Hickory	44004	
Birch sp.	45034	
Bitter-Nut Hickory	44000	
Black Ash	141008	
Black Gum	122000	
Black Locust	83212	
Black Maple	102018	
Black Oak	46026	
Black Pine	13018	
Black Spruce	13010	
Black Walnut	44014	
Blue Ash	141018	
Blue Spruce	13012	
Blue-leaved Willow	41086	
Butternut	44012	
Cherry Birch	45014	
Choke Cherry	82294	
Cucumber Tree	67002	
Eastern Cottonwood	41006	
Eastern Hemlock	13032	

Eastern Red Cedar	13506	
Eastern White Cedar	13508	
Eastern White Pine	13024	
European Larch	13002	
European Mountain-Ash	82382	
European Weeping Birch	45022	
Gray Birch	45024	
Green Ash	141010	
Hawthorn sp.	82036	
Honey Locust	83100	
Horse Chestnut	103004	
Jack Pine	13016	
Japanese Larch	996	
Kentucky Coffee-Tree	83106	
Large-Tooth Aspen	41012	
Mountain Maple	102022	
Northern Catalpa	154006	
Northern Red Oak	46020	
Norway Maple	102008	
Norway Spruce	13006	
Pawpaw	69000	
Pin Cherry	82274	
Pin Oak	46014	
Pitch Pine	13022	
Pumpkin Ash	141016	
Pussy Willow	41062	
Red Maple	102012	
Red Mulberry	48004	
Red Pine	13020	
Red Spruce	13014	
Redbud	83044	
Rock Elm	47014	

Sassafras	70002	
Scotch Pine	13026	
Shag-Bark Hickory	44008	
Shumards Oak	46022	
Silver Maple	102014	
Striped Maple	102006	
Sugar Maple	102016	
Swamp White Oak	46006	
Sweet Pignut Hickory	44002	
Sycamore	81002	
Trembling Aspen	41016	
Tulip Tree	67000	
White Ash	141004	
White Birch	45020	
White Oak	46004	
White Poplar	41000	
White Spruce	13008	
Wild Black Cherry	82288	
Yellow Birch	45010	

LIO Lookup Table Values:
WILDLIFE_ACTIV_AREA_TYPE_LIST

WILDLIFE ACTIVITY TYPE	HABITAT CLASS	SPECIES ELEMENT ID	EXPIRY DATETIME
American Black Bear Fishing	Feeding	180719	
American Ginseng - Large Patch	General Habitat	128014	
American Ginseng - Small Patch	General Habitat	128014	
American White Pelican Nesting Site/Colony	Nesting (Birds)	180056	
Arctic Tern Nesting Site/Colony	Nesting (Birds)	180234	
Bald Eagle Feeding Area	Feeding	180123	
Bank Swallow Colony	Nesting (Birds)	180320	
Barn Swallow Breeding Area	Breeding	180323	
Beach-dune Tiger Beetle Habitat	General Habitat	180798	
Beaver Feeding Area (Feed Piles)	Feeding	180693	
Beaver Ponds and Beaver Meadows	General Habitat	180693	
Black Tern Breeding Area	Breeding	180239	
Black Tern Nesting Site/Colony	Nesting (Birds)	180239	
Black-crowned Night Heron Nesting Site/Colony	Nesting (Birds)	180071	
Blanding's Turtle Aquatic and Associated Habitats	General Habitat	180752	
Blanding's Turtle Hibernacula	Overwintering	180752	
Blanding's Turtle Nesting Area	Nesting (Reptiles)	180752	
Bonaparte's Gull Nesting Site/Colony	Nesting (Birds)	180215	
Canada Warbler Breeding Area	Breeding	180427	
Caspian Tern Nesting Site/Colony	Nesting (Birds)	180229	
Cerulean Warbler Breeding Area	Breeding	180411	
Chimney Swift Nesting Site/Colony	Nesting (Birds)	180275	
Cliff Swallow Nesting Site/Colony	Nesting (Birds)	180321	
Common Five-lined Skink (Southern Shield population) Habitat	General Habitat	17150	
Common Loon Staging Area	Staging or Migration	180041	

	Stopover		
Common Nighthawk Breeding Area	Breeding	180271	
Common Tern Nesting Site/Colony	Nesting (Birds)	180233	
Double-crested Cormorant Nesting Site/Colony	Nesting (Birds)	180059	
Eastern Foxsnake (Georgian Bay population) Hibernacula	Overwintering	17424	
Eastern Garter Snake Hibernacula	Overwintering	182499	
Eastern Hog-nosed Snake Hibernacula	Overwintering	180769	
Eastern Milksnake Hibernacula	Overwintering	180770	
Eastern Musk Turtle Hibernacula and Associated Aquatic Features	Overwintering	180758	
Eastern Musk Turtle Nesting Area	Nesting (Reptiles)	180758	
Eastern Ribbonsnake Hibernacula	Overwintering	182542	
Eastern Whip-poor-will Breeding Area	Breeding	180274	
Eastern Wolf Rendezvous Site	Nursery	17299	
Elk Calving Site	Calving/Fawning	180740	
Elk Travel Corridor	Traveling (incl. corridor)	180740	
Elk Wintering Area	Overwintering	180740	
Flooded Jellyskin Aquatic and Terrestrial Habitat	General Habitat	179182	
Forster's Tern Nesting Site/Colony	Nesting (Birds)	180235	
Golden Eagle Feeding Area	Feeding	180134	
Golden-winged Warbler Breeding Area	Breeding	180386	
Gray Ratsnake (Frontenac Axis population) Hibernacula	Overwintering	17153	
Great Black-backed Gull Nesting Site/Colony	Nesting (Birds)	180224	
Great Blue Heron Nesting Site/Colony	Nesting (Birds)	180064	
Hawk/Owl Staging Area	Staging or Migration Stopover		
Herring Gull Nesting Site/Colony	Nesting (Birds)	180219	
Horned Grebe Breeding Area	Breeding	180045	
Kirtland's Warbler Breeding Area	Breeding	180405	
Laurentian Tiger Beetle Habitat	General Habitat	180817	

Least Bittern Breeding Area	Breeding	180063	
Little White Tiger Beetle Habitat	General Habitat	180807	
Louisiana Waterthrush Breeding Area	Breeding	180419	
Massasauga Rattlesnake (Great Lakes / St. Lawrence population) Gestation Site	Breeding	1009809	
Massasauga Rattlesnake (Great Lakes / St. Lawrence population) Hibernacula	Overwintering	1009809	
Mast Producing Area	Feeding		
Monarch Butterfly Staging Area	Staging or Migration Stopover	181033	
Moose Aquatic Feeding Area	Feeding	180742	
Moose Calving Site	Calving/Fawning	180742	
Moose Early Wintering Area	Overwintering	180742	
Moose Late Wintering Area	Overwintering	180742	
Moose Migration Corridor	Traveling (incl. corridor)	180742	
Moose Nursery Area	Nursery	180742	
Moose Rutting Area	Breeding	180742	
Northern Barrens Tiger Beetle Habitat	General Habitat	180804	
Northern Gray Wolf Rendezvous Site	Nursery	17296	
Northern Map Turtle Hibernacula and Associated Aquatic Features	Overwintering	180753	
Northern Map Turtle Nesting Area	Nesting (Reptiles)	180753	
Olive-sided Flycatcher Breeding Area	Breeding	180292	
Osprey Feeding Area	Feeding	180120	
Osprey Resting Area	Resting	180120	
Pale-bellied Frost Lichen Habitat	General Habitat	1004438	
Peregrine Falcon Breeding Area	Breeding	193996	
Polar Bear Staging/Concentration Area	Staging or Migration Stopover	180720	
Prairie Long-lipped Tiger Beetle Habitat	General Habitat	1256811	
Red-headed Woodpecker Breeding Area	Breeding	180283	
Ring-billed Gull Nesting Site/Colony	Nesting (Birds)	180217	
Ruffed Grouse Leking Area	Breeding	180144	
Rusty Blackbird Breeding Area	Breeding	180476	

S1,S2,S3 Ranked Plant Species	General Habitat		
Sharp-tailed Grouse Leking Area	Breeding	180146	
Snapping Turtle Hibernacula and Associated Aquatic Features	Overwintering	180745	
Snapping Turtle Nesting Area	Nesting (Reptiles)	180745	
Snow Goose Nesting Site/Colony	Nesting (Birds)	180081	
Spiny Softshell Turtle Hibernacula and Associated Aquatic Features	Overwintering	180759	
Spiny Softshell Turtle Nesting Area	Nesting (Reptiles)	180759	
Spotted Turtle Aquatic and Associated Habitats	General Habitat	180750	
Spotted Turtle Nesting Area	Nesting (Reptiles)	180750	
Spruce Grouse Leking Area	Breeding	180141	
Unidentified Heron Nesting Site/Colony	Nesting (Birds)		
Variable Tiger Beetle Habitat	General Habitat	1256812	
Waterfowl Migration Corridor	Traveling (incl. corridor)		
Waterfowl Nursery Area	Nursery		
Waterfowl Staging Area	Staging or Migration Stopover		
Waterfowl Winter Concentration Area	Overwintering		
West Virginia White Habitat	General Habitat	180918	
White-tailed Deer Fawning Site	Calving/Fawning	180741	
White-tailed Deer Migration Route	Traveling (incl. corridor)	180741	
White-tailed Deer Nursery Area	Nursery	180741	
White-tailed Deer Rutting Area	Breeding	180741	
White-tailed Deer Staging Area	Staging or Migration Stopover	180741	
White-tailed Deer Wintering Area (Stratum 2)	Overwintering	180741	
White-tailed Deer Yard (Stratum 1)	Overwintering	180741	
Wild Leek Patch	General Habitat	1004756	
Wood Turtle Aquatic and Terrestrial Habitats	General Habitat	180751	
Wood Turtle Hibernacula	Overwintering	180751	

Wood Turtle Nesting Area	Nesting (Reptiles)	180751	
Yellow Rail Breeding Area	Breeding	180149	
Yellow-crowned Night-heron Nesting Site/Colony	Nesting (Birds)	180072	
Eastern Wolf Nursery Area	Nursery	17299	2020-11-09
Grouse Leking Area	Breeding		2020-01-01
Snake Hibernacula	Overwintering		2020-01-01

LIO Lookup Table Values:

WILDLIFE_ACTIV_FORAG_TYPE_LIST

FORAGE TYPE	FORAGE CATEGORY	WILDLIFE ACTIVITY TYPE	EXPIRY DATETIME
Acorn	Mast Nut Type	Mast Producing Area	
Acorn/Beech	Mast Nut Type	Mast Producing Area	
Acorn/Beech/Hazelnut/Walnut	Mast Nut Type	Mast Producing Area	
Acorn/Beech/Walnut	Mast Nut Type	Mast Producing Area	
Acorn/Hazelnut	Mast Nut Type	Mast Producing Area	
Acorn/Hazelnut/Walnut	Mast Nut Type	Mast Producing Area	
Acorn/Walnut	Mast Nut Type	Mast Producing Area	
Beech	Mast Nut Type	Mast Producing Area	
Beech/Hazelnut/Walnut	Mast Nut Type	Mast Producing Area	
Beech/Walnut	Mast Nut Type	Mast Producing Area	
Emergent	Aquatic Vegetation Type	Moose Aquatic Feeding Area	
Emergent/Submergent	Aquatic Vegetation Type	Moose Aquatic Feeding Area	
Hazelnut	Mast Nut Type	Mast Producing Area	
Hazelnut/Walnut	Mast Nut Type	Mast Producing Area	
Submergent	Aquatic Vegetation Type	Moose Aquatic Feeding Area	
Walnut	Mast Nut Type	Mast Producing Area	

LIO Table Relationships for Class:
Wildlife Values Area

WILDLIFE_ACTIVITY_AREA_FT	←----- WILDLIFE_ACTIVITY_AREA_FT.LOCATION_ACCURACY = LOCATION_ACCURACY_LIST.LOCATION_ACCURACY	LOCATION_ACCURACY_LIST	
	-----→ WILDLIFE_ACTIVITY_AREA_NEST.WILDLIFE_ACTIVITY_AREA_ID = WILDLIFE_ACTIVITY_AREA_FT.OGF_ID	WILDLIFE_ACTIVITY_AREA_NEST	←----- WILDLIFE_ACTIVITY_AREA_NEST.TREE_SPECIES_COMMON_NAME = WILDLIFE_ACTIVITY_TREE_SP_LIST.TREE_SPECIES_COMMON_NAME
	-----→ WILDLIFE_ACTIV_AREA_NEST_VISIT.WILDLIFE_ACTIVITY_AREA_ID = WILDLIFE_ACTIVITY_AREA_FT.OGF_ID	WILDLIFE_ACTIV_AREA_NEST_VISIT	
	←----- WILDLIFE_ACTIVITY_AREA_FT.WILDLIFE_ACTIVITY_TYPE = WILDLIFE_ACTIV_AREA_TYPE_LIST.WILDLIFE_ACTIVITY_TYPE	WILDLIFE_ACTIV_AREA_TYPE_LIST	
	←----- WILDLIFE_ACTIVITY_AREA_FT.FORAGE_TYPE = WILDLIFE_ACTIV_FORAG_TYPE_LIST.FORAGE_TYPE	WILDLIFE_ACTIV_FORAG_TYPE_LIST	