

Land Information Ontario Data Description

Fish Activity Area

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LIO Class Description

Fish Activity Area

Class Short Name: FISHACAR

Version Number: 1

Class Description:

Identifies areas where specific fish-related activities such as spawning and nursery areas are of local interest to Ministry of Natural Resources and Forestry Districts and Regions. These activity areas may be species-specific or generally described.

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:

Fish Activity Area

FISH_ACTIVITY_AREA_FT

Identifies areas where specific fish-related activities such as spawning and nursery areas are of local interest to Ministry of Natural Resources and Forestry Districts and Regions. These activity areas may be species-specific or generally described.

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.				
FISH_ACTIVITY_TYPE	VARCHAR2(100)	Yes	FISH_ACTIV	'Alewife Nursery Area', 'Alewife Spawning Area', 'Banded Killifish Nursery Area', 'Banded Killifish Spawning Area', 'Black Bullhead Nursery Area', 'Black Bullhead Spawning Area', ... (See FISH_ACTIVITY_TYPE_LIST table)
The Type of Fish Activity represented by this feature e.g. Brook Trout Spawning Area.				
HABITAT_CLASS	VARCHAR2(30)	Yes	HAB_CLASS	'Nursery Area', 'Spawning Area'
A general classification of the habitat where fish activity takes place e.g. Spawning, Nursery. The Habitat Class value is from the same row of the FISH_ACTIVITY_TYPE_LIST lookup table for the chosen FISH_ACTIVITY_TYPE. The values in this field can be used by users to group data into or to select specific habitat classes.				
HABITAT_QUALIFICATION	VARCHAR2(20)	Yes	HAB_QUALIF	'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	HAB_RANK	'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. Null values are to be interpreted as not being specified or available during field data collection.				
SPECIES_EVIDENCE_FLG	VARCHAR2(20)	Yes	SP_EVID_F	'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. 2) No - No visual evidence of species found. 3) Not Evaluated - Species evidence has not yet been evaluated.				
OBSERVATION_DATE_FLG	VARCHAR2(10)	No	DATE_FLG	'Actual', 'Estimated'
Indication of whether the observation date is an actual or estimated value.				
OBSERVATION_DATE	DATE	No	OBS_DATE	

The documented calendar date of the observation.

LOCAL_IDENT	VARCHAR2(100)	No	LOCAL_ID	
A unique local identifier assigned to a fish activity feature such as a standardized district coding system.				
LOCATION_DESCR	VARCHAR2(2000)	No	LOCATION	
Description of the area or directions on how to get to the site.				
GENERAL_COMMENTS	VARCHAR2(2000)	No	COMMENTS	
General comments about the fish activity feature.				
VERIFICATION_STATUS_FLG	VARCHAR2(10)	No	VERISTT_FL	'Verified', 'Unverified'
An indication as to whether a qualified employee has verified the existence of the feature.				
VERIFICATION_STATUS_DATE	DATE	No	VERIF_DATE	
Date that the feature 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(20)	Yes	SENS_CLASS	'Low', 'Medium'
NON-EDITABLE FIELD (LIO EDITOR): For this data class, the default sensitivity for all features will be "Low" except where a sensitivity class of "Medium" will be assigned by the system for all provincially-tracked fish species.				
SENSITIVITY_RATIONALE	VARCHAR2(50)	Yes	SENS_RAT	
The primary reason for the object information sensitivity classification. Default is "Protect Feature Type" for all features except for provincially-tracked fish species where the Sensitivity Rationale will be "Provincially Tracked Species".				
SYSTEM_CALCULATED_AREA	NUMBER(16,3)	No	SYS_AREA	
The area of a polygon 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.				

FISH_ACTIVITY_TYPE_LIST

Listing of fish activity types.

Column Name	Column Type	Mandatory	Short Name	Valid Values
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FISH_ACTIVITY_TYPE	VARCHAR2 (100)	Yes	FISH_ACTIV
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The Type of Fish Activity represented by this feature e.g. Brook Trout Spawning Area.

HABITAT_CLASS	VARCHAR2 (30)	Yes	HAB_CLASS
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A general classification of the habitat where fish activity takes place e.g. Spawning, Nursery.

SPECIES_ELEMENT_ID	NUMBER (13,0)	No	ELEMENT_ID
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The unique identifier assigned to each species in the NHIC BIOTICS database and SPECIES_MASTER_LIST table. Note: Not all Fish Species in the FISH_ACTIVITY_TYPE_LIST will have a SPECIES_ELEMENT_ID value.

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.

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 (25)	Yes	ACCURACY	
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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
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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
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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.

LIO Lookup Table Values:
FISH_ACTIVITY_TYPE_LIST

FISH ACTIVITY TYPE	HABITAT CLASS	SPECIES ELEMENT ID	EXPIRY DATETIME
Alewife Nursery Area	Nursery Area	180517	
Alewife Spawning Area	Spawning Area	180517	
Banded Killifish Nursery Area	Nursery Area	180616	
Banded Killifish Spawning Area	Spawning Area	180616	
Black Bullhead Nursery Area	Nursery Area	180611	
Black Bullhead Spawning Area	Spawning Area	180611	
Black Crappie Nursery Area	Nursery Area	180637	
Black Crappie Spawning Area	Spawning Area	180637	
Blackchin Shiner Nursery Area	Nursery Area	180566	
Blackchin Shiner Spawning Area	Spawning Area	180566	
Blacknose Dace Nursery Area	Nursery Area	180577	
Blacknose Shiner Nursery Area	Nursery Area	180567	
Blacknose Shiner Spawning Area	Spawning Area	180567	
Blue Gill Nursery Area	Nursery Area	180632	
Blue Gill Spawning Area	Spawning Area	180632	
Bluntnose Minnow Nursery Area	Nursery Area	180575	
Bluntnose Minnow Spawning Area	Spawning Area	180575	
Brook Silverside Nursery Area	Nursery	180620	

	Area		
Brook Silverside Spawning Area	Spawning Area	180620	
Brook Stickleback Nursery Area	Nursery Area	180622	
Brook Stickleback Spawning Area	Spawning Area	180622	
Brook Trout Nursery Area	Nursery Area	180541	
Brook Trout Spawning Area	Spawning Area	180541	
Brown Bullhead Nursery Area	Nursery Area	180613	
Brown Bullhead Spawning Area	Spawning Area	180613	
Brown Trout Nursery Area	Nursery Area	180539	
Brown Trout Spawning Area	Spawning Area	180539	
Burbot Nursery Area	Nursery Area	180615	
Burbot Spawning Area	Spawning Area	180615	
Carps and Minnows Nursery Area	Nursery Area		
Carps and Minnows Spawning Area	Spawning Area		
Catostomidae Nursery Area	Nursery Area		
Catostomidae Spawning Area	Spawning Area		
Catostomus Nursery Area	Nursery Area		
Catostomus Spawning Area	Spawning Area		
Central Mudminnow Nursery Area	Nursery Area	180546	
Central Mudminnow Spawning Area	Spawning Area	180546	
Centrarchidae Nursery Area	Nursery Area		

Centrarchidae Spawning Area	Spawning Area		
Channel Catfish Nursery Area	Nursery Area	180604	
Channel Catfish Spawning Area	Spawning Area	180604	
Chinook Salmon Nursery Area	Nursery Area	180534	
Chinook Salmon Spawning Area	Spawning Area	180534	
Cisco (Lake Herring) Nursery Area	Nursery Area	180522	
Cisco (Lake Herring) Spawning Area	Spawning Area	180522	
Coho Salmon Nursery Area	Nursery Area	180532	
Coho Salmon Spawning Area	Spawning Area	180532	
Common Carp Nursery Area	Nursery Area	180555	
Common Carp Spawning Area	Spawning Area	180555	
Common Shiner Nursery Area	Nursery Area	180585	
Common Shiner Spawning Area	Spawning Area	180585	
Creek Chub Nursery Area	Nursery Area	180580	
Creek Chub Spawning Area	Spawning Area	180580	
Cyprinidae Nursery Area	Nursery Area		
Cyprinidae Spawning Area	Spawning Area		
Eastern Blacknose Dace Spawning Area	Spawning Area	180577	
Emerald Shiner Nursery Area	Nursery Area	180563	
Emerald Shiner Spawning Area	Spawning Area	180563	
Fallfish Nursery Area	Nursery	180581	

	Area		
Fallfish Spawning Area	Spawning Area	180581	
Fathead Minnow Nursery Area	Nursery Area	180576	
Fathead Minnow Spawning Area	Spawning Area	180576	
Forage Species Nursery Area	Nursery Area		
Forage Species Spawning Area	Spawning Area		
Golden Shiner Nursery Area	Nursery Area	180561	
Golden Shiner Spawning Area	Spawning Area	180561	
Ictaluridae Nursery Area	Nursery Area		
Ictaluridae Spawning Area	Spawning Area		
Johnny Darter Nursery Area	Nursery Area	180643	
Johnny Darter Spawning Area	Spawning Area	180643	
Lake Sturgeon (Great Lakes - Upper St. Lawrence River population) Nursery Area	Nursery Area	17329	
Lake Sturgeon (Great Lakes - Upper St. Lawrence River population) Spawning Area	Spawning Area	17329	
Lake Sturgeon (Northwestern Ontario population) Nursery Area	Nursery Area	17323	
Lake Sturgeon (Northwestern Ontario population) Spawning Area	Spawning Area	17323	
Lake Sturgeon (Southern Hudson Bay - James Bay population) Nursery Area	Nursery Area	17326	
Lake Sturgeon (Southern Hudson Bay - James Bay population) Spawning Area	Spawning Area	17326	
Lake Trout Nursery Area	Nursery Area	180542	
Lake Trout Spawning Area	Spawning Area	180542	
Lake Whitefish (Lake Simcoe population) Nursery Area	Nursery Area	182558	

Lake Whitefish (Lake Simcoe population) Spawning Area	Spawning Area	182558	
Lake Whitefish Nursery Area	Nursery Area	180523	
Lake Whitefish Spawning Area	Spawning Area	180523	
Largemouth Bass Nursery Area	Nursery Area	180635	
Largemouth Bass Spawning Area	Spawning Area	180635	
Logperch Nursery Area	Nursery Area	180647	
Logperch Spawning Area	Spawning Area	180647	
Longnose Dace Nursery Area	Nursery Area	180578	
Longnose Dace Spawning Area	Spawning Area	180578	
Longnose Gar Nursery Area	Nursery Area	180513	
Longnose Gar Spawning Area	Spawning Area	180513	
Longnose Sucker Nursery Area	Nursery Area	180591	
Longnose Sucker Spawning Area	Spawning Area	180591	
Moxostoma sp. Nursery Area	Nursery Area		
Moxostoma sp. Spawning Area	Spawning Area		
Muskellunge Nursery Area	Nursery Area	180549	
Muskellunge Spawning Area	Spawning Area	180549	
Northern Hog Sucker Nursery Area	Nursery Area	180594	
Northern Hog Sucker Spawning Area	Spawning Area	180594	
Northern Pike Nursery Area	Nursery Area	180548	
Northern Pike Spawning Area	Spawning	180548	

	Area		
Perches Nursery Area	Nursery Area		
Perches Spawning Area	Spawning Area		
Pink Salmon Nursery Area	Nursery Area	180530	
Pink Salmon Spawning Area	Spawning Area	180530	
Pumpkinseed Nursery Area	Nursery Area	180629	
Pumpkinseed Spawning Area	Spawning Area	180629	
Rainbow Smelt Nursery Area	Nursery Area	180544	
Rainbow Smelt Spawning Area	Spawning Area	180544	
Rainbow Trout Nursery Area	Nursery Area	180535	
Rainbow Trout Spawning Area	Spawning Area	180535	
Rock Bass Nursery Area	Nursery Area	180627	
Rock Bass Spawning Area	Spawning Area	180627	
Round Goby Nursery Area	Nursery Area	185090	
Round Goby Spawning Area	Spawning Area	185090	
Round Whitefish Nursery Area	Nursery Area	180537	
Round Whitefish Spawning Area	Spawning Area	180537	
Salmonidae Nursery Area	Nursery Area		
Salmonidae Spawning Area	Spawning Area		
Sauger Nursery Area	Nursery Area	180651	
Sauger Spawning Area	Spawning Area	180651	

Sea Lamprey Nursery Area	Nursery Area	180502	
Sea Lamprey Spawning Area	Spawning Area	180502	
Shorthead Redhorse Nursery Area	Nursery Area	180602	
Shorthead Redhorse Spawning Area	Spawning Area	180602	
Silver Redhorse Nursery Area	Nursery Area	180598	
Silver Redhorse Spawning Area	Spawning Area	180598	
Slimy Sculpin Nursery Area	Nursery Area	180504	
Slimy Sculpin Spawning Area	Spawning Area	180504	
Smallmouth Bass Nursery Area	Nursery Area	180634	
Smallmouth Bass Spawning Area	Spawning Area	180634	
Spotfin Shiner Nursery Area	Nursery Area	180582	
Spotfin Shiner Spawning Area	Spawning Area	180582	
Spottail Shiner Nursery Area	Nursery Area	180568	
Spottail Shiner Spawning Area	Spawning Area	180568	
Suckers Nursery Area	Nursery Area		
Suckers Spawning Area	Spawning Area		
Sunfishes Nursery Area	Nursery Area		
Sunfishes Spawning Area	Spawning Area		
Tadpole Madtom Nursery Area	Nursery Area	180606	
Tadpole Madtom Spawning Area	Spawning Area	180606	
Tessellated Darter Nursery Area	Nursery	180644	

	Area		
Tessellated Darter Spawning Area	Spawning Area	180644	
Unidentifiable Nursery Area	Nursery Area		
Unidentifiable Spawning Area	Spawning Area		
Walleye Nursery Area	Nursery Area	180652	
Walleye Spawning Area	Spawning Area	180652	
White Bass Nursery Area	Nursery Area	180626	
White Bass Spawning Area	Spawning Area	180626	
White Perch Nursery Area	Nursery Area	180625	
White Perch Spawning Area	Spawning Area	180625	
White Sucker Nursery Area	Nursery Area	180592	
White Sucker Spawning Area	Spawning Area	180592	
Yellow Bullhead Nursery Area	Nursery Area	180612	
Yellow Bullhead Spawning Area	Spawning Area	180612	
Yellow Perch Nursery Area	Nursery Area	180646	
Yellow Perch Spawning Area	Spawning Area	180646	
Lake Sturgeon Nursery Area	Nursery Area	180510	2020-01-01
Lake Sturgeon Spawning Area	Spawning Area	180510	2020-01-01

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