

**Fire Management Agreement Area**  
(FIREMAA)  
Data Class  
V.1  
**Data Guide**

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## ***Additional Information***

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## Data Guide: Fire Management Agreement Area

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### Introduction

This layer stores the boundaries of fire management agreement areas negotiated by the Crown and on file with the Aviation Forest Fire and Emergency Services (AFFES) Branch of the Ontario Ministry of Natural Resources (OMNR).

The Forest Fires Prevention Act, R.S.O, 1994, Sec 21(1) indicates that Inside the Fire Region (IFR) municipalities are responsible to suppress grass, brush or forest fires within their municipal boundaries.

By policy, however, AFFES must ensure that every fire in Ontario receives a response, and every response is governed by:

- the predicted behaviour of the fire;
- the potential impacts on people, property or other values;
- and the estimated cost of each response.

Consequently, OMNR enters into fire management agreements with municipalities in the IFR to ensure that municipal and OMNR responsibilities are met and fires are suppressed in a timely fashion.

Fire management agreements divide the land into four areas including:

1. Crown Protection Area (CPA): The Crown is responsible for responding to incidents and suppressing of all fires in the CPA.
2. Municipal Protection Area (MPA): The municipality is responsible for responding to incidents and the suppression of all fires in the MPA.
3. Federal Protection Area (FPA): The federal government is responsible for responding to incidents and the suppression of all fires in the FPA.
4. Northern Fire Protection Area (NFPA): The local fire department (mostly in unorganized areas) is responsible for responding to all incidents and the suppression of fires in the NFPA.

This data class will accurately represent CPA, MPA, FPA and NFPA boundaries.

Additional information about fire management agreements can be found on AFFES' [intranet website](#). Examples of map products generated using Fire Management Agreement Area data can be found in [Appendix 1](#) of this document.

The remainder of this guide will describe the context of the information collected and stored in this data class.

## Fire Management Agreement Area Model (Implemented)

Below is the logical and physical view of the Fire Management Agreement Area (FIREMAA) model that was implemented in the LIO Editor and LIO Warehouse databases.

*Entity Relationship Diagram (ERD) For:*

### Fire Management Agreement Area (FIREMAA) v.1

Model Revision Date: 2013-01-24

#### Logical View

##### FIRE MANAGEMENT AGREEMENT AREA

|                                            |
|--------------------------------------------|
| OGF Id: NUMBER(13)                         |
| Agreement Type: VARCHAR(15)                |
| Agreement Name: VARCHAR(100)               |
| Protection Type: VARCHAR(30)               |
| Protection Type Code: VARCHAR(4)           |
| Fire Management Headquarters: VARCHAR(100) |
| Geometry Update Datetime: DATE             |
| Effective Datetime: DATE                   |
| System Datetime: DATE                      |
| SHAPE: SDO_GEOMETRY                        |

#### Physical View

##### FIRE\_MANAGEMENT\_AGREE\_AREA\_FT

|                                            |
|--------------------------------------------|
| OGF_ID: NUMBER(13) NOT NULL                |
| AGREEMENT_TYPE: VARCHAR2(15) NOT NULL      |
| AGREEMENT_NAME: VARCHAR2(100) NOT NULL     |
| PROTECTION_TYPE: VARCHAR2(30) NOT NULL     |
| PROTECTION_TYPE_CODE: VARCHAR2(4) NOT NULL |
| FIRE_MANAGEMENT_HQ: VARCHAR2(100) NOT NULL |
| GEOMETRY_UPDATE_DATETIME: DATE NULL        |
| EFFECTIVE_DATETIME: DATE NOT NULL          |
| SYSTEM_DATETIME: DATE NOT NULL             |
| SHAPE: SDO_GEOMETRY NULL                   |

Where:

| Logical Attribute Name | Field Type | Column Name | Required? (Y/N) |
|------------------------|------------|-------------|-----------------|
| OGF Id                 | NUMBER(13) | OGF_ID      | Y               |

A unique numeric provincial identifier assigned to each object in the LIO Editor/Warehouse database.

|                |              |                |   |
|----------------|--------------|----------------|---|
| Agreement Type | VARCHAR2(15) | AGREEMENT_TYPE | Y |
|----------------|--------------|----------------|---|

The type of fire management agreement chosen from one of the following values;

Municipal: An agreement between the Crown and a Municipality.

Federal: An agreement between the Crown and the Federal Government.

Fire Department: An agreement between the Crown and a Fire Department (usually found in an unorganized area).

|                |               |                |   |
|----------------|---------------|----------------|---|
| Agreement Name | VARCHAR2(100) | AGREEMENT_NAME | Y |
|----------------|---------------|----------------|---|

The name of the fire management agreement filed with the Crown i.e. "Burwash Canadian Forces Training Area".

|                 |               |                 |   |
|-----------------|---------------|-----------------|---|
| Protection Type | VARCHAR2(100) | PROTECTION_TYPE | Y |
|-----------------|---------------|-----------------|---|

The type of protection negotiated for a fire management agreement area chosen from one of the following values;

Crown Protection Area: The Crown is responsible for responding to incidents and suppressing of all fires in the Crown Protection Area.

Municipal Protection Area: The municipality is responsible for responding to

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incidents and suppressing of all fires in the Municipal Protection Area.

Federal Protection Area: The federal government is responsible for responding to incidents and suppressing all fires in the Federal Protection Area.

Northern Fire Protection Area: The local fire department is responsible for responding to incidents and suppressing all fires in the Northern Fire Protection Area.

|                      |               |                      |   |
|----------------------|---------------|----------------------|---|
| Protection Type Code | VARCHAR2(100) | PROTECTION_TYPE_CODE | Y |
|----------------------|---------------|----------------------|---|

The code/acronym that the protection type is known as defined as follows;

CPA: Crown Protection Area

MPA: Municipal Protection Area

FPA: Federal Protection Area

NFPA: Northern Fire Protection Area

The values stored in this field will be mainly used for compact map labelling and GIS Table of Contents.

|                              |               |                    |   |
|------------------------------|---------------|--------------------|---|
| Fire Management Headquarters | VARCHAR2(100) | FIRE_MANAGEMENT_HQ | Y |
|------------------------------|---------------|--------------------|---|

The Fire Management Headquarters responsible for the management of the fire agreement area i.e. "Dryden Fire Management Headquarters".

|                          |      |                              |   |
|--------------------------|------|------------------------------|---|
| Geometry Update Datetime | DATE | GEOMETRY_UPDATE_DATE<br>TIME | N |
|--------------------------|------|------------------------------|---|

Date/time the geometry was created or last modified in the source database.

|                    |      |                    |   |
|--------------------|------|--------------------|---|
| Effective Datetime | DATE | EFFECTIVE_DATETIME | Y |
|--------------------|------|--------------------|---|

Date/time the record was created or last modified in the source database.

|                 |      |                 |   |
|-----------------|------|-----------------|---|
| System Datetime | DATE | SYSTEM_DATETIME | Y |
|-----------------|------|-----------------|---|

Date/time the record was loaded into or last modified in the LIO database.

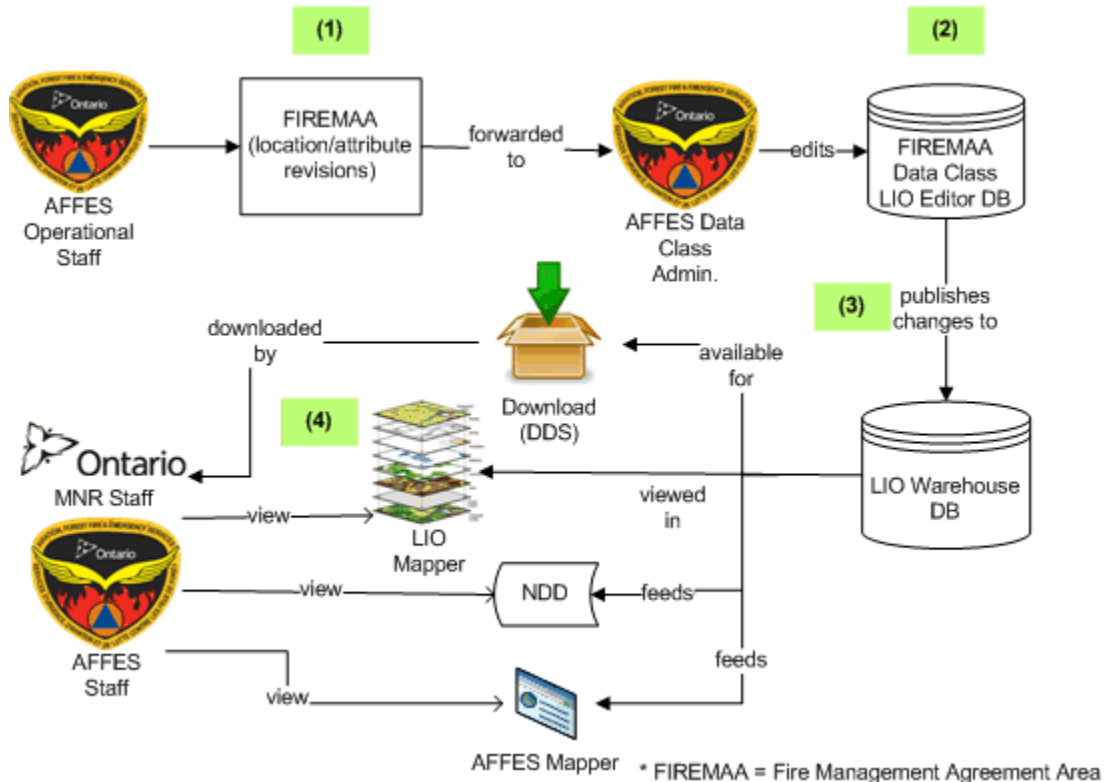
|       |              |       |   |
|-------|--------------|-------|---|
| SHAPE | SDO_GEOMETRY | SHAPE | N |
|-------|--------------|-------|---|

Geometry attribute.

## Data Maintenance

Below are details about how Fire Management Agreement (FIREMAA) data will be maintained in the LIO Editor and published to/accessed from the Land Information Ontario Warehouse.

### Maintenance Overview



Where:

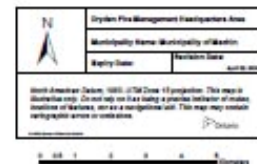
- (1) AFFES has revised information about FIREMAA spatial boundaries/attributes and forwards these to FIREMAA LIO Editor Administrator

Spatial data: shapefile using coincident LIO tenureship data where appropriate.

Attributes: supplied in shapefile or in a separate document.

- (2) AFFES will update FIREMAA layer through the LIO Editor.
- (3) Changes to the layer are published to the LIO Warehouse.
- (4) FIREMAA data is accessible by AFFES by:
  - Downloading layer from the LIO Warehouse Data Distribution System (DDS)
  - Viewed directly with the LIO Mapper.
  - District NDD data.
  - LIO Warehouse will feed the AFFES Mapper through an ARCGIS Service (AGS) which is accessed primarily by AFFES staff.

The map displays the Municipality of Macmillan, with the name 'MACMILLAN' prominently displayed across the center. Surrounding townships are labeled in red: Township of Wabigoon to the northwest, Township of Colebrook to the north, Township of Wapikong to the northeast, Township of Langton to the west, Township of Motrie to the east, Township of Sanford to the southeast, Township of Temple to the south, and Township of Aubrey to the southwest. The map features a grid overlay and shows various geographical elements including Eagle Lake, Poplar Island, and several smaller lakes and rivers. A red line indicates a boundary or route passing through the center of the municipality.

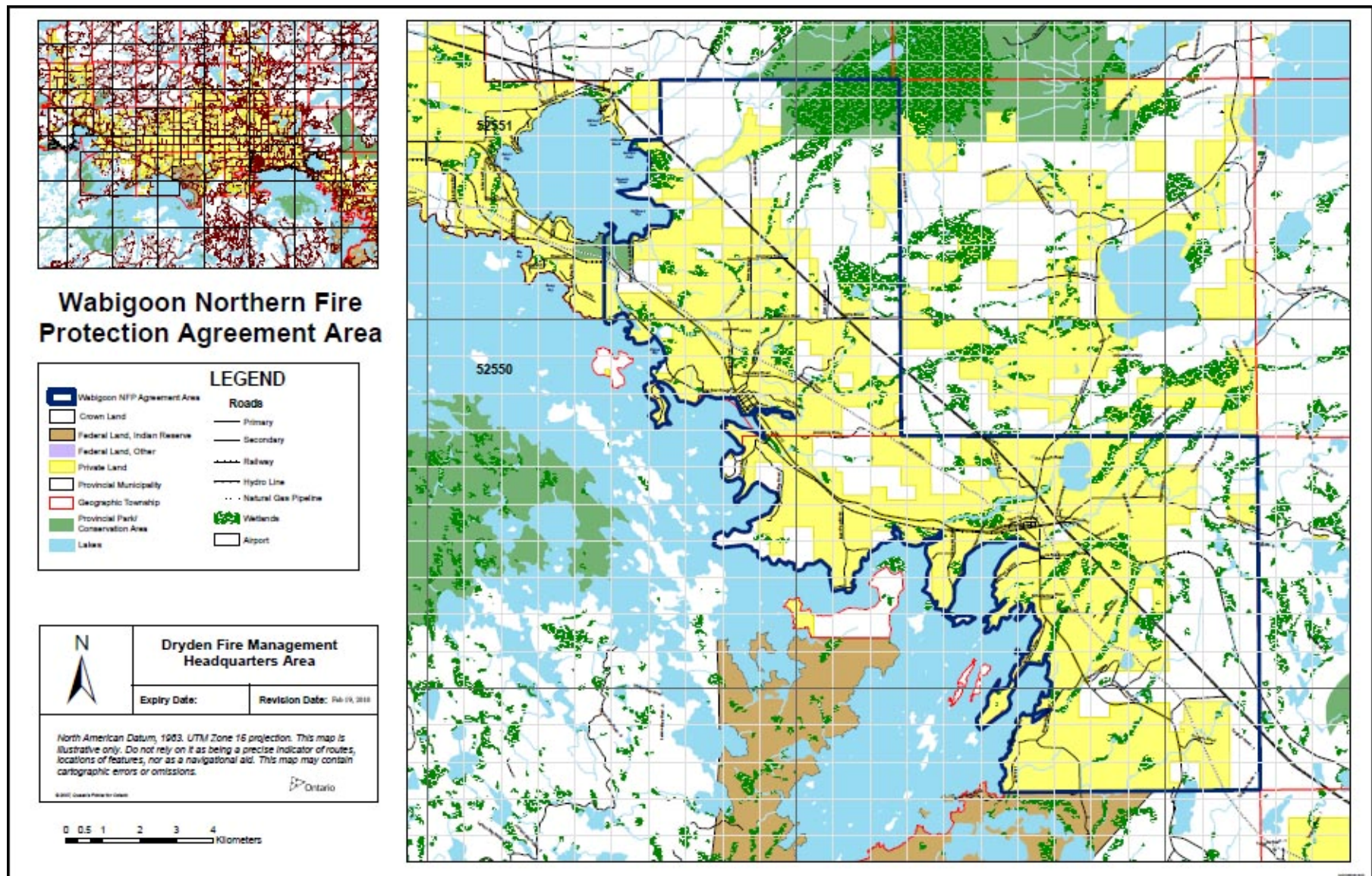


- 1) Municipal Protection Agreement (MPA)
- 2) Crown Protection Agreement (CPA)

[illegible]

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Example map of a Northern Fire Protection Agreement Area for Wabigoon, Ontario, part of the Dryden Fire Management Headquarters Area.