

**Fire, Aviation and Emergency  
Facility Point  
(FIREAEFP)  
Data Class**

V.1.1

**Data Guide**

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### ***Additional Information***

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## Data Guide: Fire, Aviation and Emergency Facility Point

### Introduction

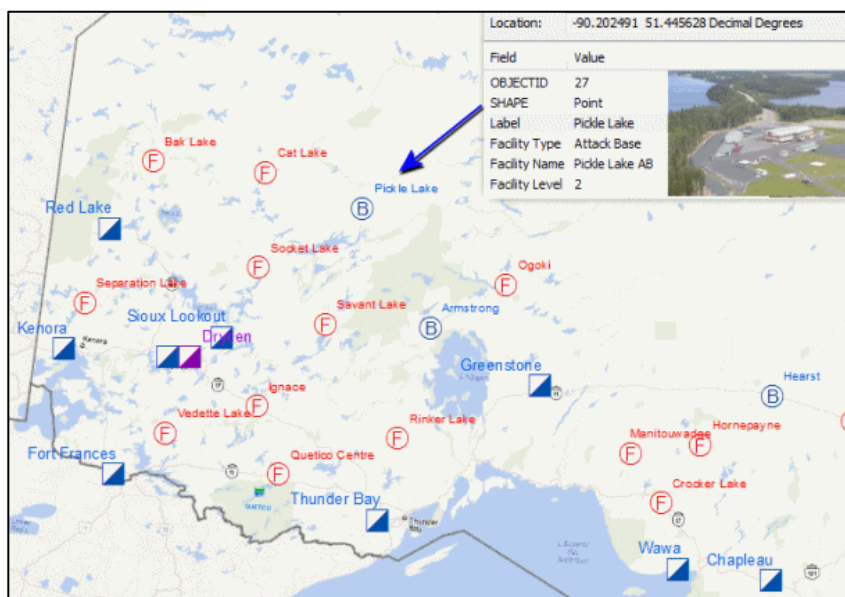
This dataset represents facilities used by the Aviation Forest Fire and Emergency Services (AFFES) Branch of the Ontario Ministry of Natural Resources and Forestry where resources are, and can be positioned to assist in fire suppression, emergency, and aviation operations.

Included within the dataset are 10 different types of facility points that can aid in emergency and non-emergency situations. Having accurate spatial data for each AFFES facility is crucial and can mitigate safety risks, aid in fire suppression and emergency response, and also make staff aware of where these facilities are located. Having all of these facilities identified with accurate locations can ultimately aid in protecting Ontario's landscape and values.

This dataset will be a new Land Information Ontario spatial data class and will be maintained by the Ontario Ministry of Natural Resources and Forestry, (AFFES) Branch using the LIO Editor.

AFFES Managers and staff will be responsible for providing information on these facilities that may include; new facility locations, facility closures, and changes to type or rank. These changes will be communicated before April 1<sup>st</sup> of each year so they can be entered into the LIO Editor and be utilized by staff.

The remainder of this document will describe the information that will be provided by the Fire, Aviation and Emergency Facility Point data class, and guidelines to how this layer should be maintained and accessed.



Example of AFFES Fire, Aviation and Emergency Facility locations and attributes  
(Courtesy Mike Zastre, AFFES)

## Fire, Aviation and Emergency Facility Point Model (Implemented)

Below is the logical and physical view of the Fire, Aviation and Emergency Facility Point (FIREAEFP) model that was implemented in the LIO Editor and LIO Warehouse databases.

*Data Class: Fire, Aviation and Emergency Facility Point (FIREAEFP) v.1  
Model revision date: 2013-JAN-14*

*Logical View*

**FIRE, AVIATION AND EMERGENCY FACILITY POINT**

OGF Id: NUMBER(13)
Facility Type: VARCHAR(35)
Facility Name: VARCHAR(35)
Facility Level: NUMBER(1)
Label: VARCHAR(35)
Geometry Update Datetime: DATE
Effective Datetime: DATE
System Datetime: DATE
SHAPE: SDO_GEOMETRY

*Physical View*

**FIRE\_FACILITY\_POINT\_FT**

OGF_ID: NUMBER(13) NOT NULL
FACILITY_TYPE: VARCHAR2(35) NOT NULL
FACILITY_NAME: VARCHAR2(35) NOT NULL
FACILITY_LEVEL: NUMBER(1) NOT NULL
LABEL: VARCHAR2(35) NOT NULL
GEOMETRY_UPDATE_DATETIME: DATE NULL
EFFECTIVE_DATETIME: DATE NOT NULL
SYSTEM_DATETIME: DATE NOT NULL
SHAPE: SDO_GEOMETRY NULL

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.

Facility Type	VARCHAR2(35)	FACILITY_TYPE	Y
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The type of Aviation, Forest Fire and Emergency Services (AFFES) facility. AFFES facility types are described as follows;

- **Provincial Fire Management Centre:** The Aviation Forest Fire and Emergency Services Provincial Centre houses the Branch Director Office, Ministry Emergency Operations Centre (MEOC) and Aviation Services Centre (ASC), and managers and staff from the Integrated Services, Response and Operations, and Business Management sections.
- **Regional Fire Management Centre:** Comprises offices/work areas for fire managers, specialists, technicians and support staff, warehouse facilities, and the Regional Emergency Operations Centre (REOC).
- **Provincial Logistics Centre:** A forest fire suppression equipment warehouse and recycle operation that coordinates the acquisition, recycle and distribution of forest fire suppression equipment locally, regionally and provincially.
- **Fire Management Headquarters:** An administrative location which provides fire management and administrative support to a designated area.
- **Attack Base:** Operates under the direction of a Sector Response Officer and is the home location for a number of fire crews.

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- **Forward Attack Base:** Operates temporarily during periods of activity in an area. They may be located at existing facilities or may be established on an as-needed basis.
- **Primary Tanker Base:** An established location and MNRFF operated facility which acts as a home position for staff and aircraft to operate from as well as having the proper facilities in which to carry out large scale maintenance.
- **Secondary Tanker Base:** An MNRFF operated facility for long-term deployment of staff and aircraft during high to escalated levels of fire response operations. Facilities are available in which staff can carry out small scale maintenance.
- **Tertiary Tanker Base:** A predetermined location utilized for short-term deployments of staff and aircraft during extreme levels of escalation and fire response operations. Facilities located at these predetermined locations are not operated by the MNRFF, and could basically be any functional airport in which a specific type of aircraft can safely operate from. Facilities are not available for staff to carry out maintenance.
- **Aircraft Maintenance Facility:** A facility dedicated and equipped to maintain and repair MNRFF aircraft used for, or in support of forest fire suppression activities.

Facility Name	VARCHAR2(35)	FACILITY_NAME	Y
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The long name of the facility (i.e. Pickle Lake AB).

Facility Level	NUMBER(1,0)	FACILITY_LEVEL	Y
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Bases that are managed by a Sector Response Officer such as, Fire Management Headquarters, Attack Bases and Forward Attack Bases will have an associated role level assigned to them. The level will range from 1 to 3, with 1 being the lowest and 3 being the highest explained as follows:

0. Does not meet the criteria for an Attack Base.
1. Represents a secondary attack base role usually deemed a forward attack base.
2. Represents a secondary attack base role deemed attack base.
3. Represents a primary attack base role deemed a fire management headquarters. These locations have numerous functions directed by the daily Strategic Operations Plan.

Label	VARCHAR2(35)	LABEL	Y
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Name of the facility used for labelling and identifying. The name may be either a short version of the Facility Name, or its location.

Geometry Update Datetime	DATE	GEOMETRY_UPDATE_DATE TIME	N
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Date/time the geometry was created or last modified in the source database.

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Effective Datetime	DATE	EFFECTIVE_DATETIME	Y
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Date/time the record was created or last modified in the source database.

System Datetime	DATE	SYSTEM_DATETIME	Y
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Date/time the record was loaded into or last modified in the LIO database.

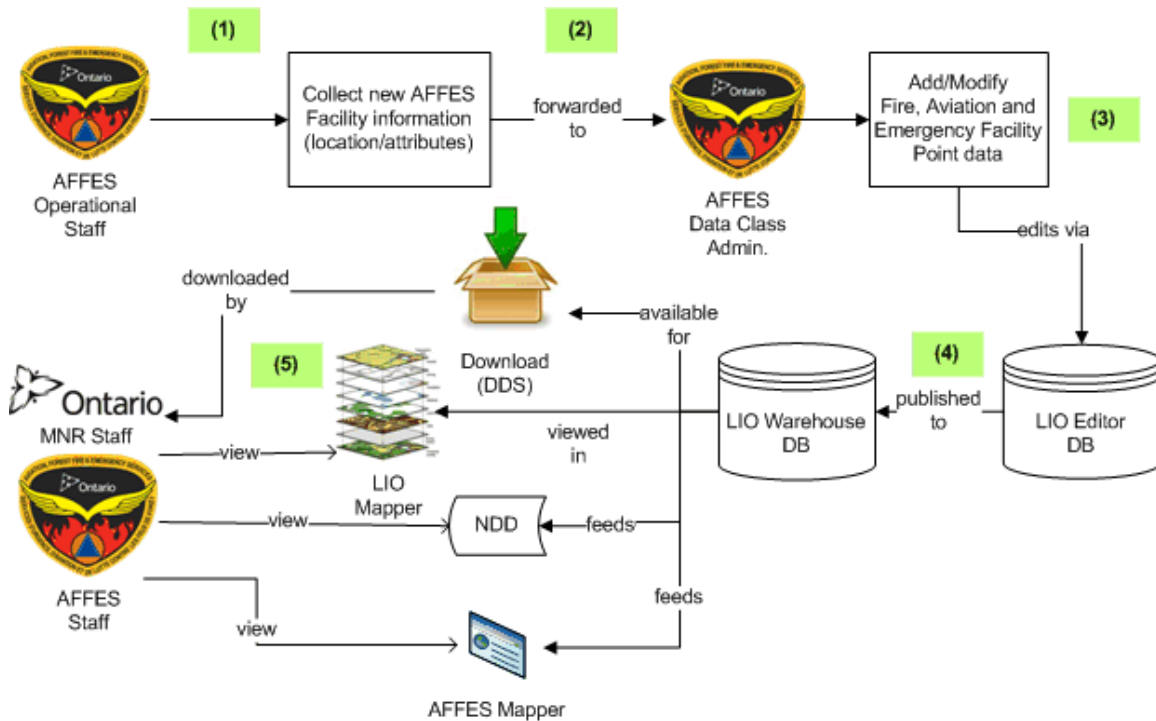
SHAPE	SDO_GEOMETRY	SHAPE	N
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Geometry attribute.

## Data Maintenance

Below are details about how Fire, Aviation and Emergency Facility Point (FIREAEFP) data will be maintained in the LIO Editor and published to/accessed from the Land Information Ontario Warehouse.

### Maintenance Overview



Where:

- 1) AFFES plans to create new, delete or update type or rank of facility point; accurately mapped where required.
- 2) New or changed information is forwarded to the AFFES Administrator of the Fire, Aviation and Emergency Facility Point (FIREAEFP) data class.
- 3) AFFES will update the provincial Fire, Aviation and Emergency Facility Point (FIREAEFP) layer through the LIO Editor.
- 4) Changes to the layer are published to the LIO Warehouse.
- 5) FIREAEFP data is accessible by AFFES and interested OMNRF staff by:

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- 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.