



Land Information Ontario

Warehouse Data Class Description
Report:

Forest Resources Inventory Status

Format:
Standard NRVIS Interchange Format (SNIF)

Issued: February 10, 2011

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Introduction

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Additional Information

For more information about this document, please contact Land Information Ontario at (705) 755-1878 or lio@ontario.ca.

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Using this Report

This report describes the contents and structure of the selected data class package in the format (SNIF) in which data classes are extracted from and published to the Ontario Land Information Warehouse. The purpose of this report is to assist data users in understanding the data received in the SNIF package, as well as to assist data publishers in creating a SNIF package for a single data class.

For a general overview of the SNIF package, refer to the document entitled [What is SNIF?](#) The document entitled *Land Information Ontario Detailed SNIF Subscription Specifications* provides a detailed examination of the SNIF.

This report is meant to be used in conjunction with the [Warehouse Data Class Description Report for Common Tables](#). These two reports together fully describe the complete contents of a SNIF package.

Data Class Overview

The Data Class Overview section provides an overall description of the data class, including version. The abstract class refers to the spatial characteristics to which this class conforms.

File List

The File List section lists the mandatory and optional data class tables that are contained within a SNIF package. Tables that are listed as optional may not necessarily be included in a SNIF package. This report only lists the tables that are contained within the SNIF package “spatial” folder. The tables in the “common” folder relate to every data class and are described in a separate *Warehouse Data Class Description Report for Common Tables*.

Product Data Model

The relevant tables for the data class are depicted in diagram form, showing the relationships between the tables. Common tables are not included in the diagram. Their relationships to the geographic unit (GEOG_UNIT) table are depicted in diagram form in the *Warehouse Data Class Description Report for Common Tables*.

Data Class Table Descriptions

This section of the report describes each table associated with the data class. A description of the table is included, along with column names, descriptions, types, and sizes. Columns which are considered mandatory are noted. The abbreviated column names that appear in the shape file itself are also shown.

Valid values are listed for any columns which have a predefined list of possible values. If there are more than six possible values, the first six are shown in the report with the column description. The complete list is shown in the report appendix.

Using this Report - continued

Some data classes are distributed with an enhanced shape file that contains all attributes from tables that are related to the geographic unit table in a one-to-one relationship. These columns are described in the “_DBF_VW” table in this section of the report. Each column description includes the source data class table in which the column exists. For example, the source for the DBF column “NAME” would be noted as AIRPORT_AIRSTRIP.OFFICIAL_NAME. This means that the NAME column is the OFFICIAL_NAME column located in the AIRPORT_AIRSTRIP table.

Appendix

The report appendix includes full listings of permissible values for columns with more than six possible values. Also included is a description of date fields that are included in every table.

Related Documents

[What is SNIF?](#)

[Warehouse Data Class Description Report for Common Tables](#)

[Ministry of Natural Resources Policy for Management of Classified Data in Ontario
Land Information Warehouse](#)

[Land Information Ontario Detailed SNIF Subscription Specifications](#)

[Land Information Ontario Detail SNIF Publication Specifications](#)

Data Class Overview

Data Class: Forest Resources Inventory Status

Short Name: FORESTAT

Version: 1.

This layer provides the general current production status of all Forest Resources Inventory (FRI) units in the province of Ontario. It also indicates the availability of digital inventories from the Land Information Ontario Warehouse (LIOW) as structured (Forest Cover data class) and packaged (zip file) products through the Land Information Data Subscription (LIDS) service.

It is important to note that forest inventories are differentiated by the following two versions or products:

1) Forest Resources Inventory (FRI):

This is the initial or first new data capture version of the Forest Resources Inventory for a unit that is delivered to OMNR Districts and Sustainable Forest Licence (SFL) holders. In most cases, it involves the complete re-inventory of the forested land within a unit. It provides a basis for planning inventories described below.

2) Planning Composite Inventory (PCI):

Once delivered, the FRI (1) is updated by OMNR Districts and Forest Companies for Forest Management Planning purposes. Spatial and attribute data are updated on an as-required or scheduled basis to reflect changes to the forest landscape (e.g. natural disturbances, harvesting and regeneration). The planning inventory contains additional attributes and information that conform to Forest Information Manual (FIM) standards to support the forest management planning process.

Note: The majority of FRI unit boundaries represented in this layer reflects, and are kept current to the latest version of the Forest Management Unit boundary layer.

For additional information, refer to the NRVIS User Guide for this layer that is available for download on the Land Information Ontario (LIO) website Data in the Warehouse page.

Abstract Class: SPMNTPOLY

Spatial Multi-Non-Tessellating-Polygon: An object is represented by ONE or MORE polygons. Polygons may NOT overlap. HOLES within and GAPS between polygons ARE allowed. Example: the St. Lawrence Islands National Park, where the Park itself is made up of many islands.

File List

The following list specifies the table files, along with their folder locations and type (mandatory, optional, or lookup), that are included in a SNIF package for this data class, as extracted from the Ontario Land Information Warehouse.

For data publishers, the table files that are not identified as mandatory may be included if the appropriate data is available. Likewise, additional common tables (as described in the *Warehouse Data Class Description Report for Common Tables*) are also identified as optional and may be included if the appropriate data is available. Table files identified as lookup tables provide descriptive values for codes within other tables. These tables do not need to be supplied by data publishers.

Folder and File Name	Mandatory/Lookup
spatial\FORESTAT\FRI_PACKAGED_PRODUCT_CATALOGUE.tbl	No
spatial\FORESTAT\FRI_STATUS_FT.tbl	No
spatial\FORESTAT\forestat (shapefile)	No

Product Data Model

Simple Data Class Name: Forest Resources Inventory Status
 Data Class Short Name: FORESTAT
 Data Class Version: 1
 Analyst: James Gratton
 Revision Date: 2010-11-26

Description: A simple data class used to provide users of the current status and availability of
 a) Forest Resources Inventories (New complete inventory/re-inventory)
 b) Planning Composite Inventories (post-client delivery updated versions)

Legend:
 Bolded text = Mandatory Fields
 Blue Text = Planning Composite Inventory specific fields.

FRI_PACKAGED_PRODUCT_CATALOGUE

FRI_STATUS_ID: VARCHAR2(20) NOT NULL (FK) PACKAGED_PRODUCT_DISPLAY_NAME: VARCHAR2(80) NOT NULL
FOREST_INV_PP_TYPE: VARCHAR2(10) NOT NULL HISTORIC_UNIT_NAME: VARCHAR2(40) NULL INVENTORY_VINTAGE: VARCHAR2(15) NOT NULL PACKAGED_PRODUCT_FILE_NAME: VARCHAR2(100) NULL PACKAGED_PRODUCT_DESCR: VARCHAR2(254) NULL UPLOAD_DATE: DATE NOT NULL EFFECTIVE_DATETIME: DATE NOT NULL EXPIRY_DATETIME: DATE NULL EXT_EFFECTIVE_DATETIME: DATE NULL EXT_EXPIRY_DATETIME: DATE NULL



FRI_STATUS_FT

FMF_OBJECT_ID: VARCHAR2(20) NOT NULL
FRI_UNIT_TYPE: VARCHAR2(25) NOT NULL FRI_UNIT_NAME: VARCHAR2(40) NOT NULL (AK1.1) FRI_UNIT_IDENT: VARCHAR2(5) NULL FRI_STATUS: VARCHAR2(25) NOT NULL FRI_STATUS_DATE: DATE NULL FRI_STATUS_COMMENTS: VARCHAR2(254) NULL IMAGERY: VARCHAR2(80) NULL FRI_METADATA_URL: VARCHAR2(254) NULL PP_FRI_FIMV1_AVAIL: VARCHAR2(20) NOT NULL PP_FRI_2D3D_AVAIL: VARCHAR2(10) NOT NULL PP_FRI_TILED_AVAIL: VARCHAR2(20) NOT NULL PP_FRI_LEGACY_AVAIL: VARCHAR2(20) NOT NULL PP_PI_INV_TYPE_AVAIL: VARCHAR2(40) NOT NULL PLAN_INV_UPD_YR: NUMBER(4) NULL PLAN_INV_IMP_DT: VARCHAR2(10) NULL ADDITIONAL_COMMENTS: VARCHAR2(254) NULL EFFECTIVE_DATETIME: DATE NOT NULL EXPIRY_DATETIME: DATE NULL EXT_EFFECTIVE_DATETIME: DATE NULL EXT_EXPIRY_DATETIME: DATE NULL SHAPE: NUMBER(38) NULL

Data Class Table Descriptions

Table FRI_STATUS_FT

Desc: This layer provides the general current production status of all Forest Resources Inventory (FRI) units in the province of Ontario. It also indicates the availability of digital inventories from the Land Information Ontario Warehouse (LIOW) as structured (Forest Cover data class) and packaged (zip file) products through the Land Information Data Subscription (LIDS) service.

It is important to note that forest inventories are differentiated by the following two versions or products:

1) Forest Resources Inventory (FRI):

This is the initial or first new data capture version of the Forest Resources Inventory for a unit that is delivered to OMNR Districts and Sustainable Forest Licence (SFL) holders. In most cases, it involves the complete re-inventory of the forested land within a unit. It provides a basis for planning inventories described below.

2) Planning Composite Inventory (PCI):

Once delivered, the FRI (1) is updated by OMNR Districts and Forest Companies for Forest Management Planning purposes. Spatial and attribute data are updated on an as-required or scheduled basis to reflect changes to the forest landscape (e.g. natural disturbances, harvesting and regeneration). The planning inventory contains additional attributes and information that conform to Forest Information Manual (FIM) standards to support the forest management planning process.

Note: The majority of FRI unit boundaries represented in this layer reflects, and are kept current to the latest version of the Forest Management Unit boundary layer.

For additional information, refer to the NRVIS User Guide for this layer that is available for download on the Land Information Ontario (LIO) website Data in the Warehouse page.

ID	Column Name	Type	Mandatory	Short Name
1	FMF_OBJECT_ID	VARCHAR2(20)	Yes	OBJECT_ID
	System-generated object identifier, unique at the application level.			
2	FRI_UNIT_TYPE	VARCHAR2(25)	Yes	UNIT_TYPE
	The general type of feature represented by the Forest Resources Inventory (FRI) Unit. Permissible values include:			
	- Forest Management Unit			
	- Provincial Park			
	- National Park			
	- Island			
	- To Be Defined			
	Note: A value of "To Be Defined" indicates that a Forest Resources Inventory exists for the unit, but is waiting to be officially classified into one of the other unit categories e.g. Forest Management Unit. (Source:			

- FRI_STATUS_FT.FRI_UNIT_TYPE)
Valid Values: Forest Management Unit, Provincial Park, National Park, Island, To Be Defined
- 3 FRI_UNIT_NAME VARCHAR2(40) Yes UNIT_NAME
The name that the Forest Resources Inventory Unit is known by. It usually shares the same name as the Forest Management Unit (FMU) that the Forest Resources Inventory is associated to. (Source: FRI_STATUS_FT.FRI_UNIT_NAME)
- 4 FRI_UNIT_IDENT VARCHAR2(5) No UNIT_IDENT
Where applicable, identifies the Forest Management Unit (FMU) that the Forest Resources Inventory is associated to. Also known as the FMU Number, an alphanumeric identifier uniquely assigned to every official Forest Management Unit in Ontario. (Source: FRI_STATUS_FT.FRI_UNIT_IDENT)
- 5 FRI_STATUS VARCHAR2(25) Yes FRI_STATUS
The current status of the Forest Resources Inventory (FRI). The FRI status is described sequentially as follows:

Planning: (Stage 0) The FRI is in a planning or pre-production stage.
Imagery Acquisition: (Stage 1) Imagery is being, or has been acquired for the upcoming FRI area of interest.

Fieldwork: (Stage 2) Fieldwork and calibration plots are underway for the FRI.

Water Classification: (Stage 3) Waterbody analysis and classification from the latest imagery is underway through automated imagery analysis to reflect the current state of waterbodies (lakes, ponds and rivers) that will provide a land base for the FRI.

Photo Interpretation: (Stage 4) The digital classification of forest types and ecosites is underway.

Automation and QA: (Stage 5) The FRI is quality assured to ensure that the data conforms to Forest Information Manual (FIM) specifications used at the time of the inventory.

Complete: (Stage 6) The digital FRI is complete and is waiting for delivery, or has been delivered to the OMNR District/Forest Company.

Archived: (Stage 7) Includes...
a) Archiving the unit in the FRI database.
b) loading the FRI data into the Land Information Ontario Warehouse (LIOW) Forest Cover data class.
c) making structured 2D/3D versions of the FRI available via LIDS as a packaged product.

Archived (Pre-FIMv2): The only FRI available has been archived in the FRI

database before 2004; however the data is structured to pre-Forest Information Manual (FIM) version 2 standards.

None: A current status is unavailable or is not applicable for the unit.

Default: "None" (Source: FRI_STATUS_FT.FRI_STATUS)

Valid Values: Planning, Fieldwork, Water Classification, Photo Interpretation, Automation and QA, Complete, Archived, Archived (Pre-FIMv2), None

- | | | | | |
|----|--|---------------|-----|-----------|
| 6 | FRI_STATUS_DATE | DATE | No | STAT_DATE |
| | The effective date of the current Forest Resources Inventory (FRI) Status. (Source: FRI_STATUS_FT.FRI_STATUS_DATE) | | | |
| 7 | FRI_STATUS_COMMENTS | VARCHAR2(254) | No | STAT_COMM |
| | A short description providing additional information about the current status of the Forest Resources Inventory (FRI). (Source: FRI_STATUS_FT.FRI_STATUS_COMMENTS) | | | |
| 8 | IMAGERY | VARCHAR2(80) | No | IMAGERY |
| | Describes the type(s) of imagery used to define the original Forest Resources Inventory (FRI), along with year of capture if available. (Source: FRI_STATUS_FT.IMAGERY) | | | |
| 9 | FRI_METADATA_URL | VARCHAR2(254) | No | METADATA |
| | The internet web page address of the official metadata record for the Forest Resources Inventory Unit (FRI), created in the Ontario Land Information Directory (OLID) database. (Source: FRI_STATUS_FT.FRI_METADATA_URL) | | | |
| 10 | PP_FRI_FIMV1_AVAIL | VARCHAR2(20) | Yes | FIMV1 |
| | Indicates the availability and extent of an archived Forest Information Manual (version 1) digital Forest Resources Inventory (FRI) packaged product for the unit. FMUs have been amalgamated over the years and the packaged product availability reflects the geographic extent coverage of the former archived FRI unit within the geographic extent of the current unit. | | | |
| | --- | | | |
| | The availability and extent for an archived FIMv1 FRI is listed as follows: | | | |
| | Complete Coverage: Packaged products for the archived inventories are available for the full geographic extent of the current FRI Unit. | | | |
| | --- | | | |
| | Partial Coverage: Packaged products for the archived FRI are only available for a small geographic area within the current FRI Unit. | | | |
| | --- | | | |
| | None: There are currently no packaged products available for the archived OBM-tiled FRI within the geographic extent of the current FRI Unit. | | | |
| | ----- | | | |
| | Default: "None" | | | |
| | ----- | | | |

When available, the name of the packaged product files can be found in the FRI Packaged Product Catalogue table.

For additional information, refer to the NRVIS User Guide for this layer that is available for download on the Land Information Ontario (LIO) website Data in the Warehouse page. (Source: FRI_STATUS_FT.PP_FRI_FIMV1_AVAIL)

Valid Values: Complete Coverage, Partial Coverage, None

11 PP_FRI_2D3D_AVAIL VARCHAR2(10) Yes AVAIL_2D3D

Indicates the availability of packaged products created from the 2D and/or 3D version of the Forest Resources Inventory (FRI) for a unit. Both 2D and 3D versions of the FRI reflect Forest Information Manual (FIM) version 2 standards. Packaged products are available from the Ontario Land Information Warehouse through the Land Information Data Subscription (LIDS) service. The availability options are described as follow

2D only: Only the normal 2D version of the unit's FRI is available as a LIDS packaged product at this time.

3D only: Only the normal 3D version of the unit's FRI is available as a LIDS packaged product at this time.

2D and 3D: Both 2D and 3D versions of the unit FRI are available as a LIDS packaged product.

None: Packaged products for the 2D and 3D versions of the unit FRI are not available at this time.

Default: "None"

When available, the name of the packaged product files can be found in the FRI Packaged Product Catalogue table.

Note: Once downloaded, Geographic Information Systems (GIS) software is required to view the FRI data. Additionally, specialized hardware is required to view the FRI data in 3D.

For additional information, refer to the NRVIS User Guide for this layer that is available for download on the Land Information

Ontario (LIO) website Data in the Warehouse page. (Source: FRI_STATUS_FT.PP_FRI_2D3D_AVAIL)

Valid Values: 2D only, 3D only, 2D and 3D, None

12 PP_FRI_TILED_AVAIL VARCHAR2(20) Yes TILED

Indicates the availability and extent of a pre-Forest Information Manual archived digital Forest Resources Inventory (FRI) tiled to individual Ontario Base Map (OBM) workspaces for the extent of the Forest Management Unit (FMU) that was defined at the time. FMUs have been amalgamated over the years and the packaged

product availability reflects the geographic extent coverage of the former archived FRI unit within the geographic extent of the current unit.

The availability and extent for an archived OBM-tiled FRI is listed as follows:
Complete Coverage: Packaged products for the archived inventories are available for the full geographic extent of the current FRI Unit.

Partial Coverage: Packaged products for the archived FRI are only available for a small geographic area within the current FRI Unit.

None: There are currently no packaged products available for the archived OBM-tiled FRI within the geographic extent of the current FRI Unit.

Default: "None"

When available, the name of the packaged product files can be found in the FRI Packaged Product Catalogue table.

For additional information, refer to the NRVIS User Guide for this layer that is available for download on the Land Information Ontario (LIO) website Data in the Warehouse page. (Source: FRI_STATUS_FT.PP_FRI_TILED_AVAIL)

Valid Values: Complete Coverage, Partial Coverage, None

13 PP_FRI_LEGACY_AVAIL VARCHAR2(20) Yes LEGACY

Indicates the availability and extent of a Legacy (pre-digital) Forest Resources Inventory (FRI) within the geographic extent of the current unit. Where available, Legacy FRI manuscripts (hardcopy maps) are scanned to a PDF or image format (jpeg, bmp) and prepared as a packaged product that is available from the Ontario Land Information Warehouse through the Land Information Data Subscription (LIDS) service.

The availability and extent for a Legacy FRI is listed as follows:
Complete Coverage: Legacy FRI packaged products are available for the full geographic extent of the current FRI Unit.

Partial Coverage: Legacy FRI packaged products are available for a small geographic area within the current FRI Unit.

None: There are currently no Legacy FRI packaged products available within the extent of the current FRI Unit.

Default: "None"

When available, the name of the packaged product files can be found in the FRI Packaged Product Catalogue table.

Note: Given their rarity, the availability of complete or partial Legacy FRI packaged

products is very limited.

For additional information, refer to the NRVIS User Guide for this layer that is available for download on the Land Information Ontario (LIO) website Data in the Warehouse page. (Source: FRI_STATUS_FT.PP_FRI_LEGACY_AVAIL)

Valid Values: Complete Coverage, Partial Coverage, None

14 PP_PI_INV_TYPE VARCHAR2(40) Yes PI_INV_TYP

The availability and type of Planning Inventory that is available for download as a packaged product from the Land Information Ontario Warehouse through the Land Information Ontario Data Subscription (LIDS) service. The Planning Inventory Type availability are as follows:

Planning Composite Inventory (initial) - (PCI) is the pre-planning inventory initial draft submitted 2 years before the forest management plan, and used for planning purposes. Does not require silviculture fields.

Planning Composite Inventory (final) - (PCM) is the final submission at the forest management planning stage which includes all silvicultural fields

Base Model Inventory - (BMI) includes forecast depletions (generally two years worth), as well as all silvicultural fields. In terms of planning inventory progression, the BMI version is usually more updated than the initial PCI, and is used to create the final version of the PCI.

None: A Planning Inventory packaged product is not available for the unit.

Default: "None"

Where available, the name of the packaged product file can be found in the FRI Packaged Product Catalogue table.

Note: Only one version of the most current Planning Inventory will be available as a packaged product through LIDS.

Rule: When the value in this field is other than "None", the Update Year and Import Date fields must be populated. (Source:

FRI_STATUS_FT.PP_PI_INV_TYPE_AVAIL)

Valid Values: Planning Composite Inventory (initial), Planning Composite

Inventory (final), Base Model Inventory, None

15 PLAN_INV_UPD_YR NUMBER(4,0) No INV_UPD_YR

The start year of the 10-year planning period (e.g. 2012) that the forest stand age field has been updated/grown to in the Forest Resources Inventory. (Source:

FRI_STATUS_FT.PLAN_INV_UPD_YR)

19 PLAN_INV_IMP_DT VARCHAR2(10) No INV_IMP_DT

The year that the planning inventory was imported into the Forest Management

Data Class: Forest Resources Inventory

unclassified

Branch's database and subsequently prepared as a LIO Packaged Product. The date is in character format and only includes the month and year (e.g. Dec. 2009).
 (Source: FRI_STATUS_FT.PLAN_INV_IMP_DT)

- 20 ADDITIONAL_COMMENTS VARCHAR2(254) No ADD_COMM
 Additional comments about the Forest Resources Inventory Unit. (Source:
 FRI_STATUS_FT.ADDITIONAL_COMMENTS)

- 21 EFFECTIVE_DATETIME DATE No EFF_DATE
 Date/time that the record was created in the LIO database.

Table FORESTAT_DBF_VW				
Desc: FORESTAT shapefile attributes exported by LIDS (in forestat.dbf).				
ID	Column Name	Type	Mandatory	Short Name
1	OBJECT_ID System-generated object identifier, unique at the application level.	VARCHAR2(20)	Yes	OBJECT_ID
2	DESCR Translated GUT_NUMBER.	CHAR	No	DESCR
3	GUT_NUMBER	NUMBER(38,0)	No	GUT_NUMBER
4	LABEL Label for identifying the feature.	CHAR	No	LABEL
5	UNIT_TYPE The general type of feature represented by the Forest Resources Inventory (FRI) Unit. Permissible values include: - Forest Management Unit - Provincial Park - National Park - Island - To Be Defined Note: A value of "To Be Defined" indicates that a Forest Resources Inventory exists for the unit, but is waiting to be officially classified into one of the other unit categories e.g. Forest Management Unit. (Source: FRI_STATUS_FT.FRI_UNIT_TYPE) Valid Values: Forest Management Unit, Provincial Park, National Park, Island, To Be Defined	VARCHAR2(25)	Yes	UNIT_TYPE
6	UNIT_NAME The name that the Forest Resources Inventory Unit is known by. It usually shares the same name as the Forest Management Unit (FMU) that the Forest Resources Inventory is associated to. (Source: FRI_STATUS_FT.FRI_UNIT_NAME)	VARCHAR2(40)	Yes	UNIT_NAME
7	UNIT_IDENT Where applicable, identifies the Forest Management Unit (FMU) that the Forest Resources Inventory is associated to. Also known as the FMU Number, an alphanumeric identifier uniquely assigned to every official Forest Management Unit in Ontario. (Source: FRI_STATUS_FT.FRI_UNIT_IDENT)	VARCHAR2(5)	No	UNIT_IDENT
8	FRI_STATUS The current status of the Forest Resources Inventory (FRI). The FRI status is described sequentially as follows: ---	VARCHAR2(25)	Yes	FRI_STATUS

Planning: (Stage 0) The FRI is in a planning or pre-production stage.
 Imagery Acquisition: (Stage 1) Imagery is being, or has been acquired for the upcoming FRI area of interest.

Fieldwork: (Stage 2) Fieldwork and calibration plots are underway for the FRI.

Water Classification: (Stage 3) Waterbody analysis and classification from the latest imagery is underway through automated imagery analysis to reflect the current state of waterbodies (lakes, ponds and rivers) that will provide a land base for the FRI.

Photo Interpretation: (Stage 4) The digital classification of forest types and ecosites is underway.

Automation and QA: (Stage 5) The FRI is quality assured to ensure that the data conforms to Forest Information Manual (FIM) specifications used at the time of the inventory.

Complete: (Stage 6) The digital FRI is complete and is waiting for delivery, or has been delivered to the OMNR District/Forest Company.

Archived: (Stage 7) Includes...

- a) Archiving the unit in the FRI database.
- b) loading the FRI data into the Land Information Ontario Warehouse (LIOW) Forest Cover data class.
- c) making structured 2D/3D versions of the FRI available via LIDS as a packaged product.

Archived (Pre-FIMv2): The only FRI available has been archived in the FRI database before 2004; however the data is structured to pre-Forest Information Manual (FIM) version 2 standards.

None: A current status is unavailable or is not applicable for the unit.

Default: "None" (Source: FRI_STATUS_FT.FRI_STATUS)

Valid Values: Planning, Fieldwork, Water Classification, Photo Interpretation, Automation and QA, Complete, Archived, Archived (Pre-FIMv2), None

9 STAT_DATE DATE No STAT_DATE

The effective date of the current Forest Resources Inventory (FRI) Status.
 (Source: FRI_STATUS_FT.FRI_STATUS_DATE)

10 STAT_COMM VARCHAR2(254) No STAT_COMM

A short description providing additional information about the current status of the Forest Resources Inventory (FRI). (Source: FRI_STATUS_FT.FRI_STATUS_COMMENTS)

11	IMAGERY	VARCHAR2(80)	No	IMAGERY
	Describes the type(s) of imagery used to define the original Forest Resources Inventory (FRI), along with year of capture if available. (Source: FRI_STATUS_FT.IMAGERY)			
12	METADATA	VARCHAR2(254)	No	METADATA
	The internet web page address of the official metadata record for the Forest Resources Inventory Unit (FRI), created in the Ontario Land Information Directory (OLID) database. (Source: FRI_STATUS_FT.FRI_METADATA_URL)			
13	FIMV1	VARCHAR2(20)	Yes	FIMV1
	Indicates the availability and extent of an archived Forest Information Manual (version 1) digital Forest Resources Inventory (FRI) packaged product for the unit. FMUs have been amalgamated over the years and the packaged product availability reflects the geographic extent coverage of the former archived FRI unit within the geographic extent of the current unit.			

	The availability and extent for an archived FIMv1 FRI is listed as follows: Complete Coverage: Packaged products for the archived inventories are available for the full geographic extent of the current FRI Unit.			

	Partial Coverage: Packaged products for the archived FRI are only available for a small geographic area within the current FRI Unit.			

	None: There are currently no packaged products available for the archived OBM-tiled FRI within the geographic extent of the current FRI Unit.			

	Default: "None"			

	When available, the name of the packaged product files can be found in the FRI Packaged Product Catalogue table.			

	For additional information, refer to the NRVIS User Guide for this layer that is available for download on the Land Information Ontario (LIO) website Data in the Warehouse page. (Source: FRI_STATUS_FT.PP_FRI_FIMV1_AVAIL)			
	Valid Values: Complete Coverage, Partial Coverage, None			
14	AVAIL_2D3D	VARCHAR2(10)	Yes	AVAIL_2D3D
	Indicates the availability of packaged products created from the 2D and/or 3D version of the Forest Resources Inventory (FRI) for a unit. Both 2D and 3D versions of the FRI reflect Forest Information Manual (FIM) version 2 standards. Packaged products are available from the Ontario Land Information Warehouse through the Land Information Data Subscription (LIDS) service. The availability options are described as follow			

	2D only: Only the normal 2D version of the unit's FRI is available as a LIDS			

packaged product at this time.

3D only: Only the normal 3D version of the unit's FRI is available as a LIDS packaged product at this time.

2D and 3D: Both 2D and 3D versions of the unit FRI are available as a LIDS packaged product.

None: Packaged products for the 2D and 3D versions of the unit FRI are not available at this time.

Default: "None"

When available, the name of the packaged product files can be found in the FRI Packaged Product Catalogue table.

Note: Once downloaded, Geographic Information Systems (GIS) software is required to view the FRI data. Additionally, specialized hardware is required to view the FRI data in 3D.

For additional information, refer to the NRVIS User Guide for this layer that is available for download on the Land Information

Ontario (LIO) website Data in the Warehouse page. (Source: FRI_STATUS_FT.PP_FRI_2D3D_AVAIL)

Valid Values: 2D only, 3D only, 2D and 3D, None

15

TILED VARCHAR2(20) Yes TILED

Indicates the availability and extent of a pre-Forest Information Manual archived digital Forest Resources Inventory (FRI) tiled to individual Ontario Base Map (OBM) workspaces for the extent of the Forest Management Unit (FMU) that was defined at the time. FMUs have been amalgamated over the years and the packaged product availability reflects the geographic extent coverage of the former archived FRI unit within the geographic extent of the current unit.

The availability and extent for an archived OBM-tiled FRI is listed as follows:
Complete Coverage: Packaged products for the archived inventories are available for the full geographic extent of the current FRI Unit.

Partial Coverage: Packaged products for the archived FRI are only available for a small geographic area within the current FRI Unit.

None: There are currently no packaged products available for the archived OBM-tiled FRI within the geographic extent of the current FRI Unit.

Default: "None"

When available, the name of the packaged product files can be found in the FRI

Packaged Product Catalogue table.

For additional information, refer to the NRVIS User Guide for this layer that is available for download on the Land Information Ontario (LIO) website Data in the Warehouse page. (Source: FRI_STATUS_FT.PP_FRI_TILED_AVAIL)

Valid Values: Complete Coverage, Partial Coverage, None

16 LEGACY VARCHAR2(20) Yes LEGACY

Indicates the availability and extent of a Legacy (pre-digital) Forest Resources Inventory (FRI) within the geographic extent of the current unit. Where available, Legacy FRI manuscripts (hardcopy maps) are scanned to a PDF or image format (jpeg, bmp) and prepared as a packaged product that is available from the Ontario Land Information Warehouse through the Land Information Data Subscription (LIDS) service.

The availability and extent for a Legacy FRI is listed as follows:

Complete Coverage: Legacy FRI packaged products are available for the full geographic extent of the current FRI Unit.

Partial Coverage: Legacy FRI packaged products are available for a small geographic area within the current FRI Unit.

None: There are currently no Legacy FRI packaged products available within the extent of the current FRI Unit.

Default: "None"

When available, the name of the packaged product files can be found in the FRI Packaged Product Catalogue table.

Note: Given their rarity, the availability of complete or partial Legacy FRI packaged products is very limited.

For additional information, refer to the NRVIS User Guide for this layer that is available for download on the Land Information Ontario (LIO) website Data in the Warehouse page. (Source: FRI_STATUS_FT.PP_FRI_LEGACY_AVAIL)

Valid Values: Complete Coverage, Partial Coverage, None

17 PI_INV_TYP VARCHAR2(40) Yes PI_INV_TYP

The availability and type of Planning Inventory that is available for download as a packaged product from the Land Information Ontario Warehouse through the Land Information Ontario Data Subscription (LIDS) service. The Planning Inventory Type availability are as follows:

Planning Composite Inventory (initial) - (PCI) is the pre-planning inventory initial draft submitted 2 years before the forest management plan, and used for planning purposes. Does not require silviculture fields.

Planning Composite Inventory (final) - (PCM) is the final submission at the forest management planning stage which includes all silvicultural fields

Base Model Inventory - (BMI) includes forecast depletions (generally two years worth), as well as all silvicultural fields. In terms of planning inventory progression, the BMI version is usually more updated than the initial PCI, and is used to create the final version of the PCI.

None: A Planning Inventory packaged product is not available for the unit.

Default: "None"

Where available, the name of the packaged product file can be found in the FRI Packaged Product Catalogue table.

Note: Only one version of the most current Planning Inventory will be available as a packaged product through LIDS.

Rule: When the value in this field is other than "None", the Update Year and Import Date fields must be populated. (Source: FRI_STATUS_FT.PP_PI_INV_TYPE_AVAIL)

Valid Values: Planning Composite Inventory (initial), Planning Composite Inventory (final), Base Model Inventory, None

18	INV_UPD_YR	NUMBER(4,0)	No	INV_UPD_YR	
	The start year of the 10-year planning period (e.g. 2012) that the forest stand age field has been updated/grown to in the Forest Resources Inventory. (Source: FRI_STATUS_FT.PLAN_INV_UPD_YR)				
19	INV_IMP_DT	VARCHAR2(10)	No	INV_IMP_DT	
	The year that the planning inventory was imported into the Forest Management Branch's database and subsequently prepared as a LIO Packaged Product. The date is in character format and only includes the month and year (e.g. Dec. 2009). (Source: FRI_STATUS_FT.PLAN_INV_IMP_DT)				
20	ADD_COMM	VARCHAR2(254)	No	ADD_COMM	
	Additional comments about the Forest Resources Inventory Unit. (Source: FRI_STATUS_FT.ADDITIONAL_COMMENTS)				
21	EFF_DATE	DATE	No	EFF_DATE	
	Date/time that the record was created in the LIO database.				

Table FRI_PACKAGED_PRODUCT_CATALOGUE

Desc: This table catalogues the packaged products that are available for a specific Forest Resources Inventory (FRI) Unit. It identifies the type, version and vintage of inventory product available that interested parties may order from the Land Information Data Subscription (LIDS) service.

For additional information, refer to the NRVIS User Guide for this layer that is available for download on the Land Information Ontario (LIO) website Data in the Warehouse page.

ID	Column Name	Type	Mandatory	Short Name
1	FRI_STATUS_ID	VARCHAR2(20)	Yes	STATUS_ID
	The Fmf Object Id of the parent Forest Resources Inventory Status unit that the packaged product is associated to.			

	System-generated object identifier, unique at the application level.			
2	PACKAGED_PRODUCT_DISPLAY_NAME	VARCHAR2(80)	Yes	PP_DISPLAY
	The name of the Packaged Product as displayed in the Land Information Data Subscription (LIDS) service suite of available Packaged Products.			
3	FOREST_INV_PP_TYPE	VARCHAR2(10)	Yes	PP_TYPE
	Identifies the type or version of the Forest Resources Inventory that is included in the packaged product.			

	For additional information about the Forest Inventory types, refer to the NRVIS User Guide for this layer that is available for download on the Land Information Ontario (LIO) website Data in the Warehouse page.			
	Valid Values: FIMv1, FIMv2(2D), FIMv2(3D), LEGACY, OBM, PLANNING			
4	HISTORIC_UNIT_NAME	VARCHAR2(40)	No	HIST_NAME
	The documented name of the forest inventory unit that was in effect or known as at the time the inventory product was originally created (see Vintage). A succession of Forest Management Unit (FMU) boundary changes over the years resulted in the amalgamation of several units into a new FMU with a larger geographical extent. The extent of the historic unit in the packaged product will be nested within the boundaries of the currently associated unit.			
5	INVENTORY_VINTAGE	VARCHAR2(15)	Yes	VINTAGE
	Identified the vintage of the inventory contained in this packaged product.			
	Examples:			
	- 1985			
	- 2007			
	- 1950-55			
	- Pre-1963			
6	PACKAGED_PRODUCT_FILE_NAME	VARCHAR2(100)	No	PP_FILE

Identifies the file name of the packaged product.

For additional information about the file naming convention used for these products, refer to the NRVIS User Guide for this layer that is available for download on the Land Information Ontario (LIO) website Data in the Warehouse page.

7	PACKAGED_PRODUCT_DESCR	VARCHAR2(254)	No	PP_DESCR
	A short description about the inventory contained in the packaged product.			
8	UPLOAD_DATE	DATE	Yes	UPLOAD_DT
	The known calendar date that the packaged product was uploaded to the Ontario Land Information Warehouse and made available through the Land Information Data Subscription (LIDS) service.			

Appendix

Date Information

Note that the format for date attribute columns is yyyy-mm-dd-hh:mm:ss. An example is 1998-02-16-00:00:00.

Standard date columns are shown on the data model diagram, but to save space are not repeated for each of the detailed table descriptions. The descriptions below apply to all of them.

Column Name	Type	Man	Short Name
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
For subscription: Date/time the record is no longer valid in the LIO database. For publication: Date/time the record is no longer valid in the source database.			
EXT_EFFECTIVE_DATETIME	DATE	Yes	EXT_EFF_DT
For subscription: Date/time that the record was created in the source database. For publication: not applicable.			
EXT_EXPIRY_DATETIME	DATE	No	EXT_EXP_DT
For subscription: Date/time the record is no longer valid in the source database. For publication: not applicable.			

All tables contain EFFECTIVE_DATETIME and EXPIRY_DATETIME.
All tables except lookup tables also contain EXT_EFFECTIVE_DATETIME and EXT_EXPIRY_DATETIME.