



**Land Cover, circa 2000-Vector  
Product Distribution Formats**

**Edition 1.0**

**2009-05-04**

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**RELEASES HISTORY**

<b>Date</b>	<b>Version</b>	<b>Description</b>
2009-05-04	1.0	Initial version

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**TABLE OF CONTENTS**

**1 OVERVIEW..... 3**

**2 PRODUCT IDENTIFICATION ..... 3**

**3 DISTRIBUTION FORMATS IDENTIFICATION..... 3**

    3.1 GML – GEOGRAPHY MARKUP LANGUAGE ..... 3

    3.2 SHAPE – ESRI™ ..... 3

**4 DISTRIBUTION FILES IDENTIFICATION ..... 4**

    4.1 GML FILES NOMENCLATURE..... 4

    4.2 SHAPE FILES NOMENCLATURE ..... 4

    4.3 METADATA FILE..... 5

    4.4 DISTRIBUTION FILES NAME ..... 5

**5 ATTRIBUTES IDENTIFICATION ..... 6**

    5.1 ATTRIBUTE NAME ON LAND COVER ENTITY ..... 6

## 1 OVERVIEW

Land Cover, circa 2000-Vector (LCC2000-V) data consists of one entity: Land Cover.

File formats available for this product are: GML (Geography Markup Language,) and SHAPE (ESRI™).

## 2 PRODUCT IDENTIFICATION

Name: Land Cover, circa 2000-Vector  
Version: 1.0  
Date: 2009-05-04  
Standard: Land Cover, circa 2000-Vector: Product Specification, edition1.0, 2009-05-04  
Feature catalogue: Land Cover, circa 2000-Vector: Feature Catalog, edition1.0, 2009-05-04

## 3 DISTRIBUTION FORMATS IDENTIFICATION

### 3.1 GML – Geography Markup Language

Name: GML – Geography Markup Language  
Version: 2.1.2  
Date: 2002-09-17  
Specifications: Geography Markup Language – GML – 2.1.2, OpenGIS®Implementation Specifications, OGC Document Number 02-069  
[http://portal.opengeospatial.org/files/?artifact\\_id=11339](http://portal.opengeospatial.org/files/?artifact_id=11339)

### 3.2 Shape – ESRI™

Name: Shape  
Version: 01  
Date: July 1998  
Specifications: ESRI Shapefile Technical Description, an ESRI White Paper, July 1998  
<http://www.esri.com/library/whitepapers/pdfs/shapefile.pdf>

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## 4 DISTRIBUTION FILES IDENTIFICATION

### 4.1 GML files Nomenclature

The name of the GML files takes the following form:

LCC2000-V\_<IDENTIFIER>\_<edition>\_<version>.gml

- LCC2000-V = Short title of product.
- <IDENTIFIER> = Name of the NTS 1:250,000 scale tile
- <edition> = Data set Edition.
- <version> = Data Set Version.
- .gml = File name extension.

Example:

- LCC2000-V\_031H\_1\_0.gml (Geometric features and attributes for the NTS tile 031H, edition 1, version 0).

An XML (XSD file) is also delivered for each GML file. This file defines, in a structured way, the content type, syntax and semantic of GML documents. The name of this file is LCC2000-V\_<IDENTIFIER>\_<edition>\_<version>.xsd and is cited in reference in the GML file.

### 4.2 Shape files Nomenclature

The name of the Shape files takes the following form:

LCC2000-V\_<IDENTIFIER>\_<edition>\_<version>.shp

- LCC2000-V = Short title of product.
- <IDENTIFIER> = Name of the NTS 1:250,000 scale tile
- <edition> = Data set Edition.
- <version> = Data Set Version.
- .shp = File name extension.

In the Shape format there are five other file types associated to the file containing feature geometry:

- An attribute file (.dbf for dBASE® file);
- A projection file (.prj) containing information on the datum and cartographic projection parameters;
- An index file (.shx) containing the offset of each record of the main file containing the feature geometry.

Example :

- LCC2000-V\_031H\_1\_0.shp (Geometric features and attributes for the NTS tile 031H, edition 1, version 0).

### 4.3 Metadata file

Four Metadata files are provided with each LCC2000-V data set. Two are in FGDC/XML format (in both English and French language) and the other two in FGDC/HTML format. The Metadata file nomenclature is

lcc2000-V\_csc2000-V\_<identifier>\_<edition>\_<version>\_fgdc\_<language code>.<format>

- lcc2000-V\_csc2000-V = Abridged Product title in both English and French language.
- <identifier> = Name of the National topographic system (NTS) tile– scale 1:250,000.
- <edition> = Data set edition.
- <version> = Data set version.
- fgdc = Metadata file format according to CSDGM<sup>1</sup> standard of the *Federal Geographic Data Committee*.
- <language code> = ISO standards for Metadata language write in small letters : fr (French), en (English).
- <format> = File extension (xml or html)

Exemples:

- lcc2000-V\_csc2000-V\_031H\_1\_0\_fgdc\_en.html (Metadata File in English of NTS tile 031H, edition 1, version 0 according to FGDC/HTML format)
- lcc2000-V\_csc2000-V\_031H\_1\_0\_fgdc\_fr.xml (Metadata File in French of NTS tile 031H, edition 1, version 0 according to FGDC/XML format)

### 4.4 Distribution files name

LCC2000-V product is providing only one type of data set: digital data within one file. GML file name is LCC2000-V\_<IDENTIFIER>\_<edition>\_<version>. Shape file name is LCC2000-V\_<IDENTIFIER>\_<edition>\_<version>\_< identifier>. The Extension file name directly depends on distribution format.

Feature catalogue Entity name	GML Entity name	Shape File name (<ENTITY>)	Geometry Type
Land Cover	Landcover	LANDCOVER	Surface

<sup>1</sup> [Content Standard for Digital Geospatial Metadata \(CSDGM\)](#)

## 5 ATTRIBUTES IDENTIFICATION

All attributes for Land Cover entity are listed in 5.1 table.

### 5.1 Attribute name on Land Cover entity

<b>Feature catalogue Attribute name</b>	<b>GML Attribute name</b>	<b>Shape Attribute name</b>	<b>Data type</b>
Cover type	coverType	COVTYPE	N(3,0)
Coverage	metadataCoverage	METACOVER	N(2,0)
Validity Date	validityDate	VALDATE	C(8)
National identifier (NID)	nid	NID	C(32)
Provider	provider	PROVIDER	N(2,0)
Dataset Name	datasetName	DATASETNAM	C(25)
Planimetric Accuracy	planimetricAccuracy	ACCURACY	N(3,0)
Acquisition technique	acquisitionTechnique	ACQTECH	N(2,0)