



CanMap[®] Parks & Recreation Version 2008.3 Release

A Product User Manual



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A Location Intelligence Company

Table of Contents

| | |
|---|-----------|
| About DMTI Spatial | 1 |
| Really Smart Spatial Solutions™ | 2 |
| DMTI Spatial™ Product & Service Portfolio | 2 |
| Technical Support, Error Reporting & Product Enhancement Services | 3 |
| Contact Information..... | 3 |
| Trademarks and Notices | 3 |
| ABOUT CANMAP® PARKS & RECREATION V2008.3..... | 4 |
| Layer Properties..... | 4 |
| Layer Naming Conventions..... | 4 |
| Layer Contents..... | 5 |
| USING CANMAP® PARKS & RECREATION V2008.3 | 8 |
| Viewing CanMap Parks & Recreation..... | 8 |
| Suggested Layering for CanMap Parks & Recreation | 9 |
| DATA DICTIONARY | 10 |
| Parks & Recreation Regions (prp) | 10 |
| Layer Location | 10 |
| Layer Content..... | 10 |
| Parks & Recreation Lines (prl) | 14 |
| Layer Location | 14 |
| Layer Structure..... | 14 |
| Layer Content..... | 14 |
| Parks & Recreation Points (prp) | 15 |
| Layer Location | 15 |
| Layer Structure..... | 15 |
| APPENDIX A: ESRI® FILE EXTENSIONS | 17 |
| APPENDIX B: MAPINFO® PROFESSIONAL FILE EXTENSIONS | 18 |
| APPENDIX C: PROVINCIAL AND TERRITORIAL ABBREVIATIONS AND CODES | 19 |
| APPENDIX D: ISO 19115:2003 COMPLIANT METADATA | 20 |

About DMTI Spatial

DMTI Spatial™ Inc. is Canada's leading Location Intelligence provider. We enable users to understand their customers, optimize resources, realize opportunities, maximize profitability and make more informed decisions through accurate products and innovative thinking.

DMTI Spatial publishes precision built street map, rail and routing data (CanMap®), a detailed water layer, and innovative geocoding and address management software (GeoPinpoint™). In addition, DMTI Spatial publishes a full range of positionally accurate geospatial data products including: enhanced points of interest (EPOI), census data and boundaries, postal geography, topographic maps, and US mapping data. As part of a complete business geographic solution, DMTI Spatial™ offers a wide range of GIS services, consulting, and software training.

Established in 1994, DMTI Spatial is committed to setting the standard within the GIS industry for precision built geo-spatial data and address management services.

At DMTI Spatial, we believe that our true strength comes from working closely with our customers and providing innovative solutions to meet their strategic business objectives. As Canada's premier spatial solutions provider we pride ourselves with having worked with North America's leading organizations to support their mission critical applications.

DMTI Spatial works with large and small organizations representative of a wide variety of industries:

- Agriculture
- Banking/Finance
- Consulting
- Education
- Emergency Services
- Engineering
- Environmental
- Forestry
- Government
- Health
- High Technology
- Insurance
- Manufacturing
- Media
- Mining
- Real Estate
- Retail
- Telecommunications
- Transportation
- Utilities

We are a member of the ESRI Canada Business Partner Program, and winner of the 2001 ESRI Worldwide New Business Partner of the Year Award and the 2005 ESRI Foundation Partner of the Year Award. We are a strategic business partner of MapInfo and winner of the Markham Board of Trade 2000 Award for Entrepreneurship and Innovation. Recipient of The Association of Canadian Map Libraries and Archives (ACMLA) 2002 Certificate of Appreciation.



Really Smart Spatial Solutions™

Through the application of its products and services, DMTI Spatial™ has been involved with projects such as: location-based services, logistics planning, emergency dispatch, facilities management, data management, customer care, address management, land base development in support of network planning, and marketing/demographic analysis applications.

DMTI Spatial™ can provide all of the components necessary for the acquisition, implementation, operation and maintenance of a successful GIS system within companies of all sizes. Through its product and service offering, DMTI Spatial™ can provide users with 5 key components:

1. Accurate, detailed, and compatible data
2. Comprehensive maintenance program
3. GIS software
4. Consulting and services
5. Software training

DMTI Spatial™ Product & Service Portfolio

DMTI Spatial's product & service offering includes:

CanMap® - Digital Map Data for Canada

- CanMap® Streetfiles
- CanMap® RouteLogistics
- CanMap® Rail
- CanMap® Major Roads and Highways
- CanMap® Parks & Recreation
- CanMap® Water

Satellite Imagery

- Satellite StreetView™

Municipal Amalgamations

- CanMap® Municipality Amalgamation File (MAF)

Business & Recreational Points of Interest

- Enhanced Points Of Interest (EPOI)

GeoPinpoint™ Suite

- Canada's Geocoding Solution
- Modular Architecture
- Windows Standalone Desktop Version
- UNIX, Java Wrapper, ActiveX (DLL Version)

Topographic Data and Base Maps

- Canadian Atlas Map Bundle (CAMB)
- Populated Placenames
- National Topographic Data Base (NTDB)
- 30 & 90m Digital Elevation Models (DEM)
- Clutter Data

Postal Geography & Data

- Six-Digit Postal Code File (LDU Boundary)
- Enhanced Postal Code File (MEP)
- Forward Sortation Areas (FSA) Boundary File

1996 Census Boundaries & Demographic Data

- Enumeration Area (EA)
- Census Subdivision (CSD)
- Census Division (CD)
- Census Metropolitan Area/Census Agglomeration (CMA/CA)
- Census Tract (CT)
- Federal Electoral Districts (FED)

2001/6 Census Boundaries

- Dissemination Area (DA)
- Census Subdivision (CSD)
- Census Division (CD)
- Census Metropolitan Area/Census Agglomeration (CMA/CA)
- Census Tract (CT)
- Federal Electoral Districts (FED)

GIS Software

- Contour Modeling and Display
- Demographic Profiling and Lifestyle Targeting
- Geocoding and Mapping Software
- Routing and Logistics

Consulting and Services

- Address Management Solutions
- Application Development
- Database Marketing
- Data Conversion and Creation
- Database Scrubbing
- Geocoding Services
- GIS Consulting
- Technical Support

Technical Support, Error Reporting & Product Enhancement Services

DMTI Spatial is committed to building the best products possible for our customers. By using our data every day in your mission critical application you are our best source for product refinement. Please let us know if you have an enhancement request or found an error in any of our products so that we can make the correction for the next release.

This is your opportunity to provide feedback directly to the DMTI Spatial Product Development Team. Please be as specific as possible so that we can improve our products quickly and accurately. To submit an error or request technical assistance please visit: <http://www.dmtispatial.com/support/>

If you have an idea for a new product, or an enhancement request for an existing product, please visit our product manager's desk on the web at: <http://www.dmtispatial.com/pm/> or e-mail: pm@dmtdispatial.com

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Product Enhancement Requests: pm@dmtdispatial.com
Technical Support: <http://www.dmtispatial.com/helpdesk/index.aspx>

Trademarks and Notices

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About CanMap® Parks & Recreation v2008.3

Layer Properties

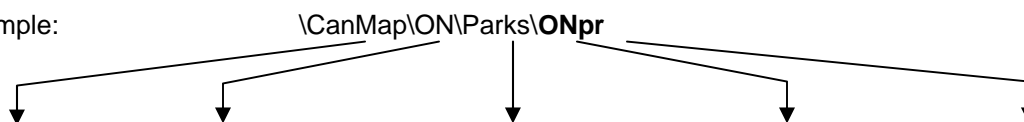
| Property | Description |
|-------------------|--|
| Coverage | Selected Areas |
| Currency | August 15, 2008 |
| Level of Accuracy | Sub meter or as indicated by position code |
| Projection | All layers are displayed as unprojected Longitude-Latitude |
| Datum | North American Datum 1983 |
| Format | ESRI and MapInfo |

Layer Naming Conventions

CanMap Parks is organized into the following directory structure and uses the following directory and file naming conventions:

Geographic Area Abbreviation + Layer Content Abbreviation = Layer Name

example:



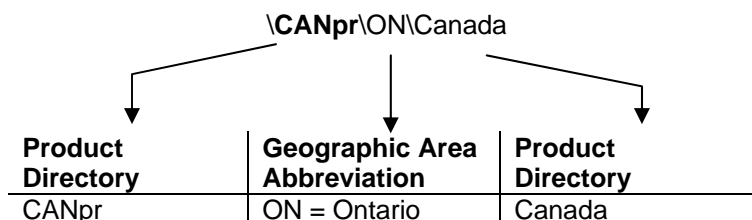
| Product Directory | Geographic Area Directory | General Content Directory | Geographic Area Abbreviation | File Content Abbreviation | Object Type |
|-------------------|---------------------------|---------------------------|------------------------------|---------------------------|-------------------------------------|
| CanMap | ON | Parks | ON | pr | r = region l = line p = point |

The geographic area directory indicates the geographic coverage of the layer, for example ON = Ontario. For a list of DMTI Spatial's standard geographic area abbreviations refer to the following file and field names in the Canada Directory included with the CanMap Parks & Recreation:

| Layer Name | Field Name | Description |
|---------------------|------------|--|
| CANpr\Canada\CANtop | Full_Name | Topographic Coverage Area Name |
| CANpr\Canada\CANtop | Name | Topographic Coverage Area Abbreviation |

The Canada Directory is organized into the following directory structure:

example:



Layer Contents

CanMap Parks and Recreation is comprised of the following layer:

| Layer Name | Description | Feature Type |
|-----------------------------|--|--------------|
| <i>AREAprr</i> ¹ | National, Provincial, Territorial, Municipal, Public and Private level Parks & Recreation areas. | Polygon |
| <i>AREAprl</i> | Sports and Race Tracks. | Lines |
| <i>AREAprp</i> | National, Provincial, Territorial, Municipal, Public and Private level Parks & Recreation areas. | Points |

¹ Where *AREA* refers to a DMTI Spatial Standard Geographic Areas

Refer to the following table for CanMap Parks & Recreation Feature Types and corresponding code for easy data extraction and Feature type management.

| Feature | Code | Region | Line | Point |
|--|------|--------|------|-------|
| Amusement Park: Generic/unknown | 23 | Y | | |
| Botanical Garden: Generic/unknown | 69 | Y | | |
| Camp: Generic/unknown | 206 | | | Y |
| Campground: Generic/unknown | 217 | Y | | Y |
| Cemetery: Generic/unknown | 250 | Y | | Y |
| Exhibition Ground: Fairground | 463 | Y | | |
| Exhibition Ground: Other | 464 | Y | | |
| Golf Course: Generic/unknown | 596 | Y | | |
| Golf Driving Range: Generic/unknown | 607 | Y | | Y |
| Historic Site/Point of Interest | 640 | Y | | Y |
| Lookout: Generic/unknown | 684 | Y | | Y |
| Parks/Sports Field: Generic/unknown | 823 | Y | | Y |
| Picnic Site: Generic/unknown | 858 | Y | | Y |
| Sports Track/Race Track/Drag Strip | 1197 | Y | | |
| Sports Track/Race Track: other | 1198 | | Y | |
| Zoo: Generic/unknown | 1525 | Y | | Y |
| Liquids Depot/dump: Water, Swimming Pool | 1672 | Y | | Y |
| National Park | 2021 | Y | | |
| National Wildlife Area | 2022 | Y | | |
| Migratory Bird Sanctuary | 2023 | Y | | |
| Provincial Park | 2025 | Y | | Y |
| Territorial Park | 2026 | | | Y |
| Other Park | 2027 | Y | | |

For more information regarding this layer refer to the [Data Dictionary](#) of the CanMap Parks manual.

Canada Directory

The Canada Directory is included with the CanMap Parks product. The directory consists of Area Code Boundaries, Canada's National and Capital Cities, Time Zone boundaries, Provincial/Territorial boundaries, Regional Municipality Boundaries, Urban Boundaries, generalized national water bodies and 1996 Census Subdivision (CSD) boundaries and data. For more information regarding the Canada Directory refer to the Canada Directory manual included with the CanMap Parks User Manual.

| Layer Name | Description | Feature Type |
|------------|------------------------------------|--------------|
| CANacb | Area Code Boundaries | Polygon |
| CANcap | Capital Cities | Point |
| CANprv | Provincial/Territorial Boundaries | Polygon |
| CANrmn | Regional Municipality Boundaries | Polygon |
| CANtop | Topographic Coverage Areas | Polygon |
| CANtzs | Time Zones (Standard Time) | Polygon |
| CANtzd | Time Zones (Daylight Savings Time) | Polygon |
| CANwat | National Water | Polygon |

Using CanMap® Parks & Recreation v2008.3

Viewing CanMap Parks & Recreation

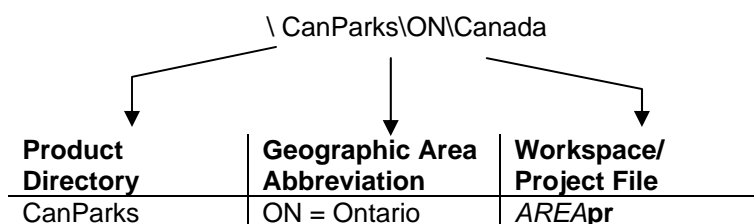
Packaged with DMTI Spatial products are several custom viewing files for MapInfo® Professional, and ESRI® ArcGIS®.

| Software | Extension | Version Support |
|----------------------|-----------|------------------------|
| MapInfo Professional | *.wor | Version 6.0 and higher |
| ESRI ArcGIS | *.mxd | Version 8.3 and higher |

Located in the product directory, these viewing files have been provided to maximize the ease of use of DMTI Spatial products by intelligently layering various data layers and displaying them based on appropriate viewing scales.

CanMap Parks & Recreation workspaces or project files are found in the product directory:

example:



If you wish to view CanMap Parks & Recreation with the provided workspaces or project files, the displayed layers include:

| Layer Name | Description |
|------------|---|
| AREAprr | National, Provincial, Territorial, Municipal, Public and Private level Parks & Recreation areas |
| AREAprl | Sports and Race Tracks |
| AREAprp | National, Provincial, Territorial, Municipal, Public and Private level Parks & Recreation areas |
| CANwat | National course Water layer |
| CANcap | National and Provincial capitals cities |
| CANprv | Provincial/Territorial Boundaries |

Layers that are not displayed as part of the CanMap Parks & Recreation workspace or project file include:

| Layer Name | Description |
|------------|------------------------------------|
| CANacb | Area Code Boundaries |
| CANtzs | Time Zones (Standard Time) |
| CANtop | Topographic Coverage Areas |
| CANrmn | Regional Municipality Boundaries |
| CANtzd | Time Zones (Daylight Savings Time) |

Suggested Layering for CanMap Parks & Recreation

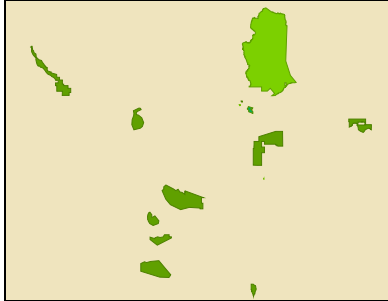
If you wish to view CanMap Parks & Recreation layers without the provided workspaces or project files, DMTI Spatial recommends using the following layering system to properly view CanMap Parks.

| Layer Name | Description |
|------------|---|
| CANcap | National and Provincial capitals cities |
| AREAprp | National, Provincial, Territorial, Municipal, Public and Private level Parks & Recreation areas |
| AREAprl | Sports and Race Tracks |
| CANwat | National course Water layer |
| AREAprr | National, Provincial, Territorial, Municipal, Public and Private level Parks & Recreation areas |
| CANprv | Provincial/Territorial Boundaries |

For example, when viewing DMTI Spatial boundary layers, the national water layer should be placed above any DMTI boundary layer.

Data Dictionary

Parks & Recreation Regions (prp)



Layer Location

\\Parks\AREA\prp

Layer Structure

| Field Name | Field Type | Field Size | Description |
|------------|------------|------------|--|
| CODE | Decimal | 4,0 | Park or Recreational Feature Code |
| FEATURE | Character | 76 | Park or Recreational Feature Type |
| NAME | Character | 68 | Park or Recreational Feature Name |
| TYPE | Character | 40 | Park Designation example National, Provincial, Territorial Parks |
| CLASS | Character | 40 | Park or Recreational Feature Classification example wilderness, heritage or waterway |
| PROV | Character | 2 | Provincial/Territorial Abbreviation |

Layer Content

CanMap Parks & Recreation regions layer represents over 1,600 national, provincial and territorial parks and over 14,000 recreation areas across Canada.

Features - Park Features

| FEATURE | CODE |
|--------------------------|------|
| National Parks Polygons | 2021 |
| National Wildlife Area | 2022 |
| Migratory Bird Sanctuary | 2023 |
| Provincial Parks | 2025 |
| Territorial Parks | 2026 |
| Other Parks | 2027 |

Features - Recreational Features

| FEATURE | CODE |
|--|-------------|
| Amusement Park: Generic/unknown | 23 |
| Botanical Garden: Generic/unknown | 69 |
| Campground: Generic/unknown | 217 |
| Cemetery: Generic/unknown | 250 |
| Drive-in Theatre: Generic/unknown | 383 |
| Exhibition Ground: Fairground | 463 |
| Exhibition Ground: Other | 464 |
| Golf Course: Generic/unknown | 596 |
| Golf Driving Range: Generic/unknown | 607 |
| Historic Site/Point of Interest | 640 |
| Lookout: Generic/unknown | 684 |
| Parks/sports Field: Generic/unknown | 823 |
| Picnic Site: Generic/unknown | 858 |
| Sports Track/Race Track/Drag Strip | 1197 |
| Zoo: Generic/unknown | 1525 |
| Liquids Depot/dump: Water, Swimming Pool | 1672 |

Types

| TYPE |
|--------------------------|
| National Park |
| Provincial Park |
| Territorial Park |
| Park Reserve |
| Ecological Reserve |
| Wildland Park |
| Wilderness Area |
| Wilderness Park |
| Protected Area |
| Park Area |
| Recreation Area |
| Grizzly Bear Sanctuary |
| Natural Area |
| National Wildlife Area |
| Migratory Bird Sanctuary |

Classes

| Class |
|---------------------|
| Wilderness |
| Natural Environment |
| Heritage |
| Day Use |
| Camping |
| Waterway |
| Recreation |
| Nature Reserve |
| Historical |
| Recreation/Heritage |
| Ecological |
| Conservation |
| Education |

Federal Parks Duplicate Naming

Duplicate naming exists within the Parks & Recreation files. Duplicates exist in the following parks where park boundaries are shared by more than one province:

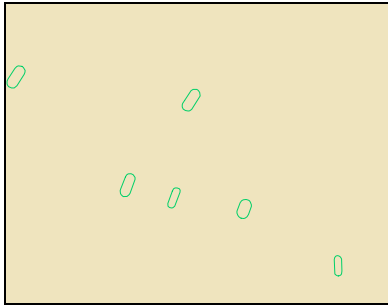
| Park Name | Prov | Prov | Description |
|----------------------------------|------|------|--|
| St. Clair National Wildlife Area | ON | SK | Park boundary shared by more than one province |
| Tuktut Nogait National Park | NU | NT | Park boundary shared by more than one province |
| Wood Buffalo National Park | AB | NT | Park boundary shared by more than one province |

Provincial Parks Duplicate Naming

Duplicate naming exists within the Parks & Recreation files. Duplicates exist in the following parks where park boundaries or park names are shared by more than one province:

| Park Name | Prov | Prov | Description |
|-------------------------------|------|------|--|
| Cypress Hills Provincial Park | AB | SK | Park boundary shared by more than one province |
| Duck Mountain Provincial Park | SK | MB | Park name shared by more than one province |
| Long Lake Provincial Park | NS | AB | Park name shared by more than one province |
| Long Point Provincial Park | NS | ON | Park name shared by more than one province |
| Mara Provincial Park | ON | BC | Park name shared by more than one province |
| Sandbanks Provincial Park | ON | NL | Park name shared by more than one province |
| Silver Lake Provincial Park | ON | BC | Park name shared by more than one province |
| Ten Mile Lake Provincial Park | NS | BC | Park name shared by more than one province |
| White Lake Provincial Park | ON | BC | Park name shared by more than one province |

Parks & Recreation Lines (prl)



Layer Location

\\Parks\AREAprl

Layer Structure

| Field Name | Field Type | Field Size | Description |
|------------|------------|------------|--|
| CODE | Decimal | 4,0 | Park or Recreational Feature Code |
| FEATURE | Character | 76 | Park or Recreational Feature Type |
| NAME | Character | 68 | Park or Recreational Feature Name |
| TYPE | Character | 40 | Park Designation example National, Provincial, Territorial Parks |
| CLASS | Character | 40 | Park or Recreational Feature Classification example wilderness, heritage or waterway |
| PROV | Character | 2 | Provincial/Territorial Abbreviation |

Layer Content

CanMap Parks & Recreation lines layer represents over 2,600 recreation line features across Canada.

Features - Recreational Features

| FEATURE | CODE |
|--------------------------------|------|
| Sports Track/Race Track: Other | 1198 |

Parks & Recreation Points (prp)



Layer Location

\\Parks\AREA\prp

Layer Structure

| Field Name | Field Type | Field Size | Description |
|------------|------------|------------|--|
| CODE | Decimal | 4,0 | Park or Recreational Feature Code |
| FEATURE | Character | 76 | Park or Recreational Feature Type |
| NAME | Character | 68 | Park or Recreational Feature Name |
| TYPE | Character | 40 | Park Designation example National, Provincial, Territorial Parks |
| CLASS | Character | 40 | Park or Recreational Feature Classification example wilderness, heritage or waterway |
| PROV | Character | 2 | Provincial/Territorial Abbreviation |

Layer Content

CanMap Parks & Recreation points layer represents over 150 national, provincial and territorial parks and over 2,300 recreation areas across Canada.

Features – Parks

| FEATURE | CODE |
|-------------------|------|
| Provincial Parks | 2025 |
| Territorial Parks | 2026 |

Features - Recreational

| FEATURE | CODE |
|--|------|
| Camp: Generic/unknown | 206 |
| Campground: Generic/unknown | 217 |
| Cemetery: Generic/unknown | 250 |
| Golf Driving Range: Generic/unknown | 607 |
| Lookout: Generic/unknown | 684 |
| Historic Site/Point of Interest | 640 |
| Picnic Site: Generic/unknown | 858 |
| Zoo: Generic/unknown | 1525 |
| Liquids Depot/dump: Water, Swimming Pool | 1672 |

| | |
|-------------------------------------|-----|
| Parks/Sports Field: Generic/unknown | 823 |
|-------------------------------------|-----|

Types

| TYPE |
|------------------|
| Provincial Park |
| Territorial Park |

Classes

| CLASS |
|---------------------|
| Natural Environment |
| Day Use |
| Nature Reserve |
| Recreation/Heritage |
| Wildlife |

Provincial Parks Duplicate Naming

Duplicate naming exists within the Parks & Recreation files. Duplicates exist in the following parks where park boundaries or park names are shared by more than one province:

| Park Name | Prov | Prov | Description |
|-------------------------------|------|------|--|
| Long Point Provincial Park | NS | ON | Park name shared by more then one province |
| Ten Mile Lake Provincial Park | NS | BC | Park name shared by more then one province |
| White Lake Provincial Park | ON | BC | Park name shared by more then one province in the points layer |

CanMap Parks & Recreation does not represent legal park boundaries. At this time discrepancies may exist between the CanMap Park boundaries and the CANwat boundaries.

Appendix A: ESRI® File Extensions

Refer to the following table for descriptions of ESRI® file extensions. All file extensions are not available for all DMTI products.

| File Extension | ArcView | ArcGIS | Both | File Description |
|----------------|---------|--------|------|----------------------------------|
| *.shp | | | x | Part of standard ESRI® Shapefile |
| *.shx | | | x | Part of standard ESRI® Shapefile |
| *.dbf | | | x | Part of standard ESRI® Shapefile |
| *.aih | x | | | Part of Attribute Index |
| *.ain | x | | | Part of Attribute Index |
| *.sbn | | | x | Part of Spatial Index |
| *.sbx | | | x | Part of Spatial Index |
| *.avl | x | | | Legend Properties |
| *.lyr | | x | | Layer Properties |
| *.prj | | x | | Datum and Projection Properties |
| *.mxd | | x | | ArcGIS Project file |

Appendix B: MapInfo® Professional File Extensions

Refer to the following table for descriptions of MapInfo file extensions.

| File Extension | File Description |
|----------------|------------------|
| *.dat | Attribute Data |
| *.id | Graphic Index |
| *.ind | Attribute Index |
| *.map | Graphic Data |
| *.tab | Tab File |
| *.wor | Workspace |

Appendix C: Provincial and Territorial Abbreviations and Codes²

The provincial/territorial names, abbreviations and numeric codes reflect those in effect on January 1, 2001 with the exception of the name change of the province of Newfoundland and Labrador (previously Newfoundland), which came into effect on December 6, 2001. Newfoundland and Labrador is recognized by the alpha code NL (formerly NF). There were no changes to the numeric code (10) and abbreviations for Newfoundland and Labrador.

On April 1, 1999 the Northwest Territories was divided into two territories to create the Nunavut Territory. The province/territory numeric code for Nunavut is 62 whereas the code for the Northwest Territories remained at 61. On December 18, 2000, Canada Post has introduced a new alpha code (NU) for Nunavut.

| Province/Territory (English) | Province/Territory (French) | Abbreviation ³ | Numeric Code |
|------------------------------|-----------------------------|---------------------------|--------------|
| Alberta | Alberta | AB | 48 |
| British Columbia | Colombie-Britannique | BC | 59 |
| Manitoba | Manitoba | MB | 46 |
| New Brunswick | Nouveau-Brunswick | NB | 13 |
| Newfoundland and Labrador | Terre-Neuve-et-Labrador | NL | 10 |
| Nova Scotia | Nouvelle-Écosse | NS | 12 |
| Northwest Territories | Territoires du Nord-Ouest | NT | 61 |
| Nunavut | Nunavut | NU | 62 |
| Ontario | Ontario | ON | 35 |
| Prince Edward Island | Île-du-Prince-Édouard | PE | 11 |
| Québec | Québec | QC | 24 |
| Saskatchewan | Saskatchewan | SK | 47 |
| Yukon | Yukon | YT | 60 |

² Source: Statistics Canada, Standard Geographical Classification (SGC), 2001

³ Source: Canada Post Corporation, The Canadian Addressing Guide, October 2002

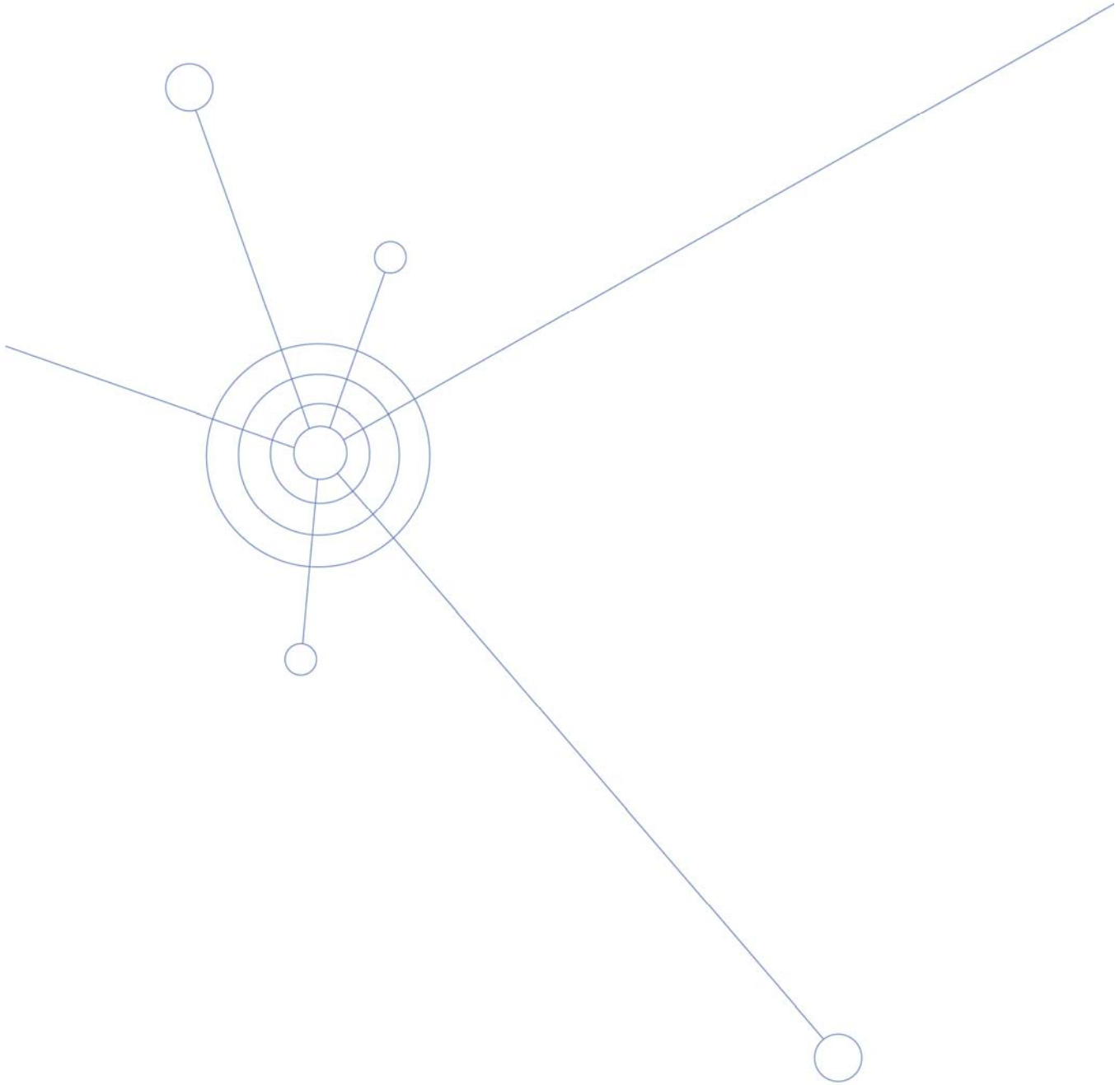
Appendix D: ISO 19115:2003 Compliant Metadata

Metadata Notification

As of May 15th 2005, DMTI Spatial data products have metadata that are ISO 19115:2003 compliant.

This product now includes structured metadata files as provided in XML and/or HTM format. These metadata files reside with the graphic or database files to which they are associated. It is recommended that users review and customize the metadata as per their specific needs.

This latest addition to the CanMap[®] line of products is another enhancement that will benefit our users and increase overall product satisfaction.



About DMTI Spatial Inc

DMTI Spatial (DMTI) has been providing industry leading location intelligence solutions for more than a decade to Global 2000 companies and government agencies. DMTI's world-class Location Hub™ platform uniquely identifies, validates and maintains a universe of location-based data. DMTI is the creator of the CanMap suite of geospatial data products, including CanMap® Streets and RouteLogistics, the gold standard for location data in Canada. DMTI also provides professional services and software tools bringing full solutions to the marketplace.

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