

# CanMap Parks

# User Manual

## v2010.1

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## 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 the 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 – Platinum Postal Code<sup>OM</sup> Suite**

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

#### **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

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\* Postal Code is an official mark of Canada Post Corporation

## 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/en/Resources/TechSupport.aspx>

If you have an idea for a new product, or an enhancement request for an existing product, please e-mail: [pm@dmtdispatial.com](mailto:pm@dmtdispatial.com)

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## Trademarks and Notices

© 2010 DMTI Spatial Inc. CanMap is a registered trademark of DMTI Spatial Inc. DMTI Spatial, Really Smart Spatial Solutions, Because Where Is What Matters and GeoPinpoint are trademarks of DMTI Spatial Inc. All rights reserved. Other products and company names mentioned herein may be trademarks of their respective companies. Mention of third-party products is for informational purposes only and constitutes neither a recommendation nor an endorsement.

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## About CanMap® Parks & Recreation v2010.1

### Layer Properties

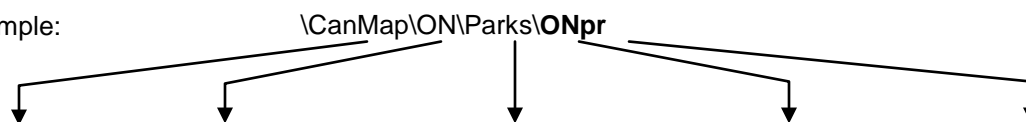
Property	Description
Coverage	Selected Areas
Currency	February 15, 2010
Level of Accuracy	Sub meter or as indicated by position code
Projection	All layers are displayed as unprojected Longitude-Latitude
Datum	North American Datum 1983
Format	ESRI and MapInfo

### 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:



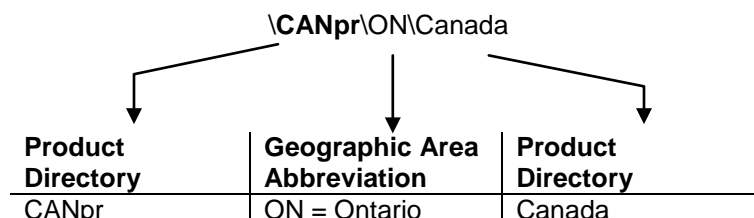
Product Directory	Geographic Area Directory	General Content Directory	Geographic Area Abbreviation	File Content Abbreviation	Object Type
CanMap	ON	Parks	ON	pr	r = region l = line p = point

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> <sup>1</sup>	National, Provincial, Territorial, Municipal, Public and Private level Parks & Recreation areas.	Polygon
<i>AREAprl</i> <sup>1</sup>	Sports and Race Tracks.	Lines
<i>AREAprp</i> <sup>1</sup>	National, Provincial, Territorial, Municipal, Public and Private level Parks & Recreation areas.	Points

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<sup>1</sup> 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 v2010.1

### Viewing CanMap Parks & Recreation

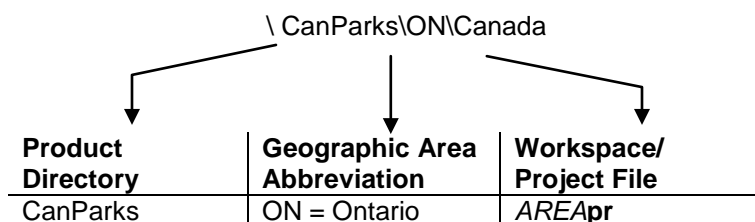
Packaged with DMTI Spatial products are several custom viewing files for MapInfo® Professional, and ESRI® ArcGIS®.

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.

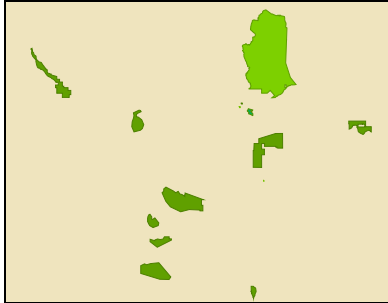
Layer Name	Description
CANcap	National and Provincial capitals cities
AREAprp	National, Provincial, Territorial, Municipal, Public and Private level Parks & Recreation areas
AREAprl	Sports and Race Tracks
CANwat	National course Water layer
AREAprr	National, Provincial, Territorial, Municipal, Public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

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### 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**

<b>FEATURE</b>	<b>CODE</b>
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**

<b>TYPE</b>
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

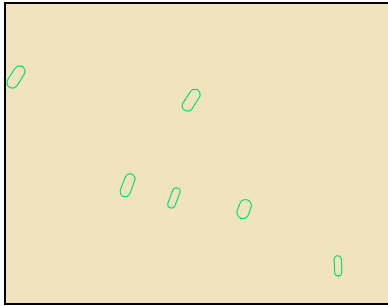


### Provincial Parks Duplicate Naming

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\AREAprp

### 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
Canoe Access Point	2031

## 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 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 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 Codes<sup>2</sup>

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 <sup>3</sup>	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

<sup>2</sup> Source: Statistics Canada, Standard Geographical Classification (SGC), 2001

<sup>3</sup> Source: Canada Post Corporation, The Canadian Addressing Guide, October 2002

## **Appendix D: ISO 19115:2003 Compliant Metadata**

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### **Metadata Notification**

As of May 15<sup>th</sup> 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<sup>®</sup> line of products is another enhancement that will benefit our users and increase overall product satisfaction.



About DMTI Spatial:

DMTI has been providing industry leading enterprise 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 market leading Mapping Solutions and maintains the gold standard for GIS location-based data in Canada.

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