



# CanMap® Streetfiles

User Manual  
v2010.3

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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 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 - Platinum Postal Code<sup>OM</sup> Suite

- Six-Digit Postal Code File (LDU Points)
- 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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Product Enhancement Requests: [pm@dmtdispatial.com](mailto:pm@dmtdispatial.com)  
Technical Support: <http://www.dmtispatial.com/helpdesk/index.aspx>

## Trademarks and Notices

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## About CanMap® Streetfiles

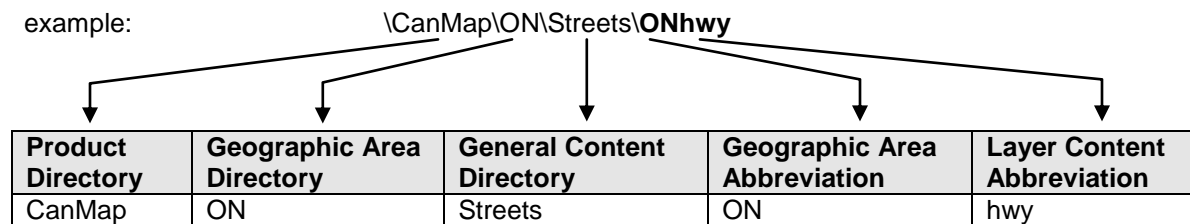
### Layer Properties

Property	Description
Coverage	National
Currency	August 15 <sup>th</sup> , 2010
Level of Accuracy	Ranging from the National Topographic Data Base (NTDB) standard to sub-meter accuracy
Projection	All layers are displayed as unprojected Longitude-Latitude
Datum	All layers are in NAD83 datum
Format	ESRI and MapInfo <sup>1</sup>

### Layer Naming Conventions

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

example:



The geographic area directory area indicates the geographic coverage of the layer, for example ON = Ontario.

The Geographic Area Name indicates the geographic extent of the file. DMTI Spatial's standard geographic coverage areas include all Provinces and Territories as well the coverage areas found in the CANtop file included with Bonus Canada Directory.

CanMap Streetfiles contain the following general content directories:

Directory Name	Description
Canada	Canada Directory
POI	Points of Interest Directory
Streets	Streets Directory
Topo	Topo Directory

<sup>1</sup> Custom formats available upon request. Refer to [Appendix A: ESRI File Extensions](#) and [Appendix B: MapInfo File Extensions](#) for more information regarding file extensions.

## About CanMap® Streetfiles (cont'd)

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### Layer Contents

CanMap Streetfiles is comprised of the following layers:

#### Canada Directory

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

The Canada Directory is included with the CanMap Streetfiles product. For more information regarding the Canada Directory refer to the [Canada Directory User Manual](#) included with CanMap Streetfiles.

#### Points of Interest Directory

Layer Name	Description	Feature Type
AREAcpl <sup>2</sup>	Car Pool Lots	Point
AREAedu	Education	Point
AREAglf	Golf Courses	Point
AREAhcr	Health Care	Point
AREAppn	Populated Placenames	Point
AREAtol	Toll Booths	Point
AREAtrs	Transportation Stops	Point

#### Streets Directory

Layer Name	Description	Feature Type
AREAexc <sup>3</sup>	Expressways Casements	Region
AREAhpc	Primary Highways Casements	Region
AREAhrd	Major Roads and Highways	Line
AREAhsc	Secondary Highways Casements	Region
AREAhwy	Highways	Line
AREAlnk	Canada\US Roads Linkages	Point
AREAlrc	Local Roads Casements	Region
AREAmf	Municipal Amalgamations File	Region
AREAmrc	Major Roads Casements	Region
AREAmun	Municipality Boundaries	Region
AREArds	Roads	Line
AREArds_lut	Roads Lookup Table	None
AREAtlc	Trails Casements	Region
AREAxit	Highway Exits	Point

<sup>2</sup> Where AREA refers to a DMTI Spatial Standard Geographic Area

<sup>3</sup> Casements not available in ArclInfo Interchange Format (\*.e00)

## About CanMap® Streetfiles (cont'd)

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### Topo Directory

Layer Name	Description	Feature Type
<b>AREAbf</b>	Building Footprints	Region
<b>AREAbp</b>	Building Points	Point
<b>AREAhs</b>	Hydrographic Structures	Point, Line, Region
<b>AREAhy</b>	Hydrography	Point, Line, Region
<b>AREAir</b>	Industrial and Resource	Point, Line, Region
<b>AREAll</b>	Land Feature Labels	Point
<b>AREAlu</b>	Land Use	Region
<b>AREAot</b>	Other Transportation	Point, Line, Region
<b>AREAph</b>	Physiography	Point, Line, Region
<b>AREAprl</b>	Parks and Recreation - Points	Line
<b>AREAprp</b>	Parks and Recreation - Lines	Point
<b>AREAprr</b>	Parks and Recreation - Regions	Region
<b>AREApt</b>	Pipelines and Transmission	Point, Line, Region
<b>AREArI</b>	Rail and Transit Lines	Line
<b>AREAve</b>	Vegetation	Region
<b>AREAwe</b>	Wetlands	Region
<b>AREAwI</b>	Water Feature Labels	Point

All 2 character Topo layer names will be suffixed with a 'p' (point), 'l' (line/polyline), or 'r' (region) to indicate the object type contained within the file for ArcInfo, ArcView and ArcGIS formats only. For example, the hy (Hydrography) theme will be provided as hyp (containing points), hyl (containing lines), and hyr (containing regions) files. All topographic layers may not be available for all geographical areas.

For more information regarding these layers refer to the [Data Dictionary](#) of the CanMap Streetfiles user manual.

## Using CanMap® Streetfiles

### Viewing DMTI Spatial Products

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.

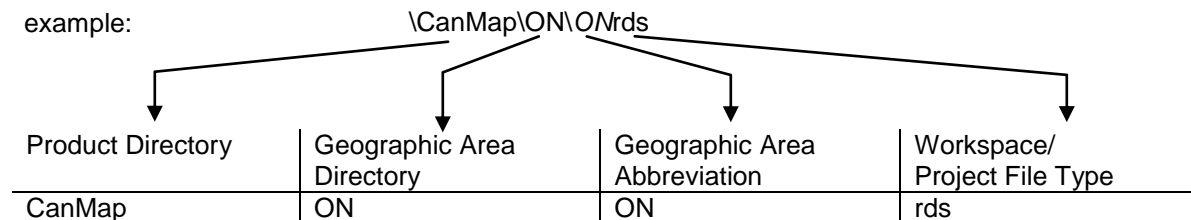
### Viewing CanMap Streetfiles

There are currently two viewing files available for reference, mapping and analysis.

Filename	Description
<i>AREArds</i>	Offers a limited number of files for reference purposes only. Opens and zoom layers capital cities, populated placenames, roads, major roads and highways, highways, municipality boundaries, and national water.
<i>AREAtop</i>	Offers most of the files in the CanMap Streetfiles product for mapping and analysis. Opens and zoom layers almost all of the CanMap Streetfiles. Includes labeling of capital cities, populated placenames, roads, major roads & highways, highways, and municipality boundaries.

CanMap Streetfiles workspaces or project files are found in the product directory:

example:



### Suggested Layering for CanMap Streetfiles

If you wish to view the CanMap product without the aid of the provided viewing files or the format purchased does not come with them, DMTI Spatial™ recommends using the following layering system to view your CanMap product:

## Using CanMap® Streetfiles (cont'd)

---

### Layering in MapInfo

Layer	Description
cap	Capital Cities
xit	Highway Exits
ll	Land Feature Labels
wl	Water Feature Labels
cpl	Car Pool Lots
edu	Education
glf	Golf Courses
hcr	Health Care
ppn	Populated Placenames
tol	Toll Booths
trs	Transportation Stops
prp	Parks and Recreation - Points
prl	Parks and Recreation - Lines
pt	Pipelines and Transmission
bp	Building Points
bf	Building Footprints
rl	Railway and Transit Lines
exc <sup>4</sup>	Expressways Casements
hpc	Primary Highways Casements
hsc	Secondary Highways Casements
mrc	Major Roads Casements
lrc	Local Roads Casements
tlc	Trails Casements
rds	Roads
hrd	Major Roads and Highways
hwy	Highways
hs	Hydrographic Structures
ot	Other Transportation
ir	Industrial and Resource
ph	Physiography
we	Wetlands
hy	Hydrography
prr	Parks and Recreation - Regions
ve	Vegetation
lu	Land Use
wat	National Water
top	Topographic Coverage Areas
rmn	Regional Municipality Boundaries
mun	Municipality Boundaries
prv	Provincial Boundaries

---

<sup>4</sup> Casements not available in ArcInfo Interchange Format (\*.e00)

## Using CanMap® Streetfiles (cont'd)

---

### ArcView, ArcGIS Layering

Layer	Description
cap	Capital Cities
xit	Highway Exits
llp	Land Feature Labels
wlp	Water Feature Labels
cpl	Car Pool Lots
edu	Education
glf	Golf Courses
hcr	Health Care
ppn	Populated Placenames
tol	Toll Booths
trs	Transportation Stops
prp	Parks and Recreation - Points
ptp	Pipelines and Transmission - Points
otp	Other Transportation - Points
bpp	Building Points
hsp	Hydrographic Structures - Points
irp	Industrial and Resource - Points
php	Physiography - Points
hyp	Hydrography - Points
prl	Parks and Recreation - Lines
ptl	Pipelines and Transmission - Lines
otl	Other Transportation - Lines
bfr	Building Footprints
rll	Railway and Transit Lines
exc	Expressways Casements
hpc	Primary Highways Casements
hsc	Secondary Highways Casements
mrc	Major Roads Casements
lrc	Local Roads Casements
tlc	Trails Casements
rds	Roads
hrd	Major Roads and Highways
hwy	Highways



## Using CanMap® Streetfiles (cont'd)

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Layer	Description
hsl	Hydrographic Structures - Lines
irl	Industrial and Resource - Lines
phl	Physiography - Lines
hyl	Hydrography - Lines
ptr	Pipelines and Transmission - Regions
hsr	Hydrographic Structures - Regions
otr	Other Transportation - Regions
irr	Industrial and Resource - Regions
phr	Physiography - Regions
wer	Wetlands
hyr	Hydrography - Regions
prr	Parks and Recreation - Regions
ver	Vegetation
lur	Land Use
wat	National Water
top	Topographic Coverage Areas
rmn	Regional Municipality Boundaries
mun	Municipality Boundaries
prv	Provincial Boundaries

### Other CanMap layers

Layer	Description
acb	Area Code Boundaries
lnk	Canada\USA Roads Linkages
rds_lut	Roads Lookup Table
tzs	Time Zones (Standard Time)
tzv	Time Zones (Daylight Savings Time)

## Data Dictionary

---

### Building Footprints (bf)



#### Layer Location

\\Topo\AREAbf

#### Layer Structure

Field Name	Type	Size	Description
CODE	Number	4,0	Feature Code
FEATURE	String	76	Feature Type
CATEGORY	String	40	Feature Category

## Data Dictionary

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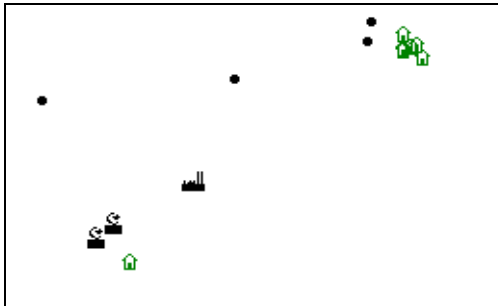
### Layer Content

Code	Feature
106	ARENA
107	ARMOURY
108	AUTOMOBILE PLANT
109	BARN/MACHINERY SHED
111	CEMENT PLANT
112	CHEMICAL PLANT
113	CHURCH
114	CITY HALL
115	COAST GUARD STATION
116	COLLEGE
117	COMMUNITY CENTRE
118	CONVENT
119	CORRECTIONAL INSTITUTE
120	COURTHOUSE
120	COURT HOUSE
121	CUSTOMS POST
122	DOME
123	ELECTRIC POWER STATION
124	FACTORY
125	FILTRATION PLANT
126	FIRE STATION
127	FIRE/POLICE STATION
128	FISH HATCHERY
129	FISH PROCESSING PLANT
130	GRAIN ELEVATOR
131	HALL
132	HIGHWAY SERVICE CENTRE
133	HOSPITAL
134	HOSTEL
135	HOTEL
136	KILN (TOBACCO)
137	LUMBER MILL
139	MEDICAL CENTRE
140	MONASTERY
141	MOTEL
142	MUNICIPAL HALL
143	MUSEUM
144	NON-CHRISTIAN PLACE OF WORSHIP
145	OBSERVATORY

Code	Feature
146	OIL/GAS FACILITIES BUILDING
146	GAS AND OIL FACILITIES
147	OTHER
149	PARLIAMENT BUILDING
150	PENITENTIARY
151	PETROLEUM REFINERY
152	PLANT
153	POLICE STATION
154	PULP/PAPER MILL
155	RAILWAY STATION
156	REFORMATORY
157	SANATORIUM
158	SATELLITE-TRACKING STATION
159	SAWMILL
160	SCHOOL
161	SEMINARY
162	SENIOR CITIZENS HOME
163	SEWAGE TREATMENT PLANT
164	SHIPYARD
165	SHOPPING CENTRE
166	SPORTSPLEX
167	STEEL MILL
168	TRADING POST
169	UNIVERSITY
170	WARDEN/RANGER STATION
171	WATER TREATMENT PLANT
172	WEIGH SCALE (HIGHWAY)
172	WEIGHT SCALE
174	GREENHOUSE
175	PENAL BUILDING
176	LODGING FACILITIES
177	INDUSTRIAL BUILDING
178	RELIGIOUS BUILDING
179	EDUCATIONAL BUILDING
585	FORT: GENERIC/UNKNOWN
585	FORT
618	GREENHOUSE
1220	STADIUM

## Data Dictionary (cont'd)

### Building Points (bp)



#### Layer Location

\\Topo\AREA\bp

#### Layer Structure

Field Name	Type	Size	Description
CODE	Number	4,0	Feature Code
FEATURE	String	76	Feature Type
CATEGORY	String	40	Feature Category

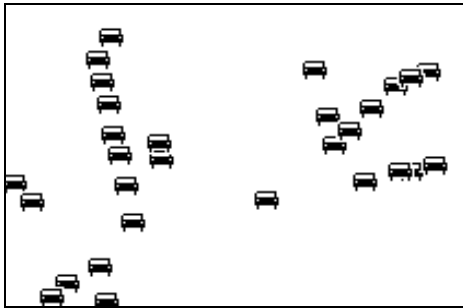
#### Layer Content

Code	Feature
109	BARN/MACHINERY SHED
110	CABIN
113	CHURCH
114	CITY HALL
115	COAST GUARD STATION
118	CONVENT
122	DOME
123	ELECTRIC POWER STATION
125	FILTRATION PLANT
126	FIRE STATION
127	FIRE/POLICE STATION
128	FISH HATCHERY
129	FISH PROCESSING PLANT
130	GRAIN ELEVATOR
136	KILN (TOBACCO)
137	LUMBER MILL
140	MONASTERY

Code	Feature
144	NON-CHRISTIAN PLACE OF WORSHIP
146	OIL/GAS FACILITIES BUILDING
148	OUTBUILDING
151	PETROLEUM REFINERY
155	RAILWAY STATION
159	SAWMILL
163	SEWAGE TREATMENT PLANT
164	SHIPYARD
167	STEEL MILL
170	WARDEN/RANGER STATION
171	WATER TREATMENT PLANT
174	GREENHOUSE
178	RELIGIOUS BUILDING
250	CEMETERY
684	LOOKOUT
1119	SHRINE

## Data Dictionary (cont'd)

### Car Pool Lots (cpl)



**Layer Location**  
 \POI\AREA\cpl

#### Layer Structure

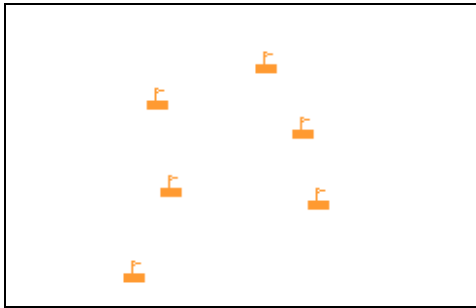
Field Name	Type	Size	Description
NAME	String	150	Car Pool Lot name
LOCATION	String	100	Car Pool Lot Location
CITY	String	68	City (or closest Municipality)
PROV	String	2	Province (Abbreviation)
EXIT_NUM	String	5	Highway Exit Number at Car Pool Lot Location
DIRECTION	String	2	Direction of Highway at Car Pool Lot Location
PREC_CODE <sup>5</sup>	String	2	Code indicating the positional accuracy or precision of the geocoded feature
ATTRIBCODE	String	2	Code to indicate the accuracy of the attribute data
POI_ID	String	15	Unique ID

<sup>5</sup> Refer to the Appendix E: Geographical Placement of Data for more information.

## Data Dictionary (cont'd)

---

### Education (edu)



#### Layer Location

\\POI\AREAedu

#### Layer Structure

Field Name	Type	Size	Description
NAME	String	150	Educational facility name
PREC_CODE <sup>6</sup>	String	2	Code indicating the positional accuracy or precision of the geocoded feature
ATTRIBCODE	String	2	Code to indicate the accuracy of the attribute data
POI_ID	String	15	Unique ID

#### Layer Content

Includes Elementary, High Schools, Colleges, Cégeps and Universities.

---

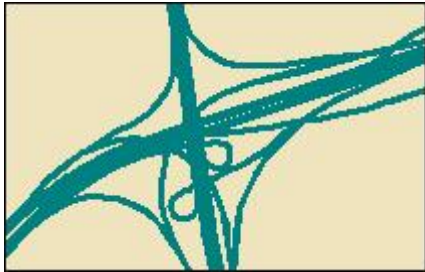
<sup>6</sup> Refer to the Appendix E: Geographical Placement of Data for more information.



## Data Dictionary (cont'd)

---

### Expressway Casements (exc)



#### Layer Location

\\Streets\AREAexc

#### Layer Structure

Field Name	Type	Size	Description
STREET <sup>7</sup>	String	64	Street Title
RDS_ID	Number	9,0	Uniqueld of related Roads (rds) segment

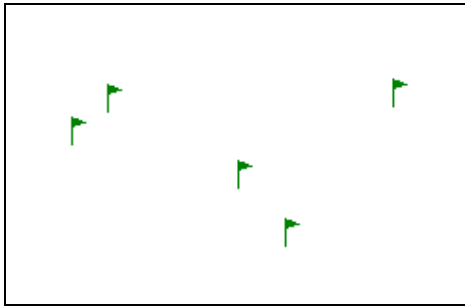
---

<sup>7</sup> For more information refer to Appendix C: Street Types and Street Directions

## Data Dictionary (cont'd)

---

### Golf Courses (glf)



#### Layer Location

\\POI\AREA\glf

#### Layer Structure

Field Name	Type	Size	Description
NAME	String	150	Golf Course name
PREC_CODE <sup>8</sup>	String	2	Code indicating the positional accuracy or precision of the geocoded feature
ATTRIBCODE	String	2	Code to indicate the accuracy of the attribute data
POI_ID	String	15	Unique ID

#### Layer Content

Includes both Private and Public golf courses as well as their locations, phone numbers and number of holes.

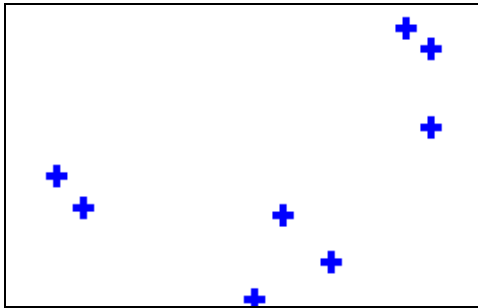
---

<sup>8</sup> Refer to the Appendix E: Geographical Placement of Data for more information.

## Data Dictionary (cont'd)

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### Health Care (hcr)



**Layer Location**  
 \POI\AREA\hcr

#### Layer Structure

Field Name	Type	Size	Description
NAME	String	150	Health Care facility name
PREC_CODE <sup>9</sup>	String	2	Code indicating the positional accuracy or precision of the geocoded feature
ATTRIBCODE	String	2	Code to indicate the accuracy of the attribute data
POI_ID	String	15	Unique ID (link to main POI database)

#### Layer Content

Includes Hospitals, Long-Term Care Centers, Nursing Stations, Outpatient Clinics and Community Health Centers.

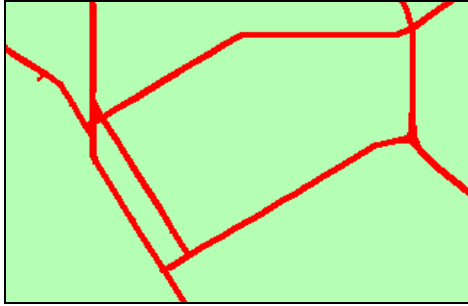
---

<sup>9</sup> Refer to the Appendix E: Geographical Placement of Data for more information.

## Data Dictionary (cont'd)

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### Primary Highway Casements (hpc)



#### Layer Location

\\Streets\AREA\hpc

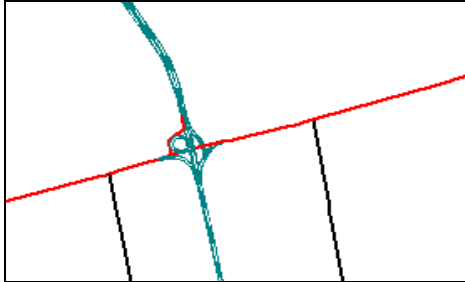
#### Layer Structure

Field Name	Type	Size	Description
STREET	String	64	Street Title
RDS_ID	Number	9,0	UniqueID of related Roads (rds) segment

## Data Dictionary (cont'd)

---

### Major Roads and Highways (hrd)



#### Layer Location

\\Streets\AREAhrd

#### Layer Structure

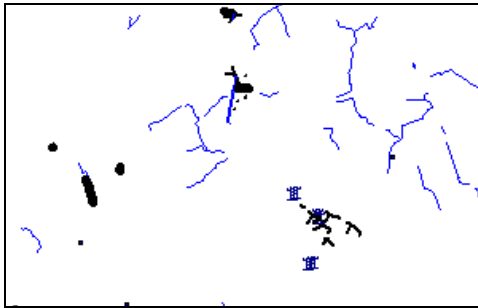
Field Name	Field Type	Field Size	Description
STREET	String	69	Street Name
CARTO	Number	3,0	Cartographic Road Classification
LEFT_MUN	String	70	Municipality
RIGHT_MUN	String	70	Municipality
LEFT_MAF	String	70	Municipal Amalgamation
RIGHT_MAF	String	70	Municipal Amalgamation
LEFT_FSA	String	3	Forward Sortation Area
RIGHT_FSA	String	3	Forward Sortation Area
LEFT_PRV	String	2	Provincial/Territorial Abbreviation
RIGHT_PRV	String	2	Provincial/Territorial Abbreviation
UNIQUEID	Number	9,0	Unique Identifier of Street segment

#### Field Content

As of CanMap v8.2 the Municipality (\_MUN) fields are attributed with 2001 Census based Municipality names. 1996 Census based Municipality names can be obtained by linking the **hrd** layer to the **rds\_lut** layer via the UNIQUEID and RDS\_ID fields.

## Data Dictionary (cont'd)

### Hydrographic Structures (hs)



#### Layer Location

\Topo\ AREAhS

#### Layer Structure

Field Name	Type	Size	Description
CODE	Number	4,0	Feature Code
FEATURE	String	76	Feature Type

#### Layer Content

Code	Feature
58	BOAT RAMP
58	BOAT RAMP: GENERIC/UNKNOWN
80	BREAKWALL/BREAKWATER
80	BREAKWATER: UNKNOWN
275	CONDUIT: ABOVEGROUND, PENSTOCK
275	CONDUIT: GROUND LEVEL, PENSTOCK
276	CONDUIT: UNDERGROUND, PENSTOCK
277	CONDUIT: ABOVEGROUND, OTHER
277	CONDUIT: GROUND LEVEL, OTHER
278	CONDUIT: UNDERGROUND, OTHER
289	CONDUIT BRIDGE: GENERIC/UNKNOWN
359	DAM
360	DAM: OTHER
361	DAM: SLUICE GATE
405	DRYDOCK
429	DYKE/LEVEE
429	DYKE/LEVEE: UNKNOWN
475	EXPOSED SHIPWRECK
486	FALLS
519	FISH LADDER
519	FISH LADDER: GENERIC/UNKNOWN
530	FISH POUND
530	FISH POUND: GENERIC/UNKNOWN
541	FLOODED AREA



## Data Dictionary (cont'd)

Code	Feature
651	IRRIGATION CANAL/DITCH
662	KELP: GENERIC/UNKNOWN
673	LOCK GATE: GENERIC/UNKNOWN
673	LOCK GATE
743	NAVIGABLE CANAL: ABANDONED
744	NAVIGABLE CANAL: OPERATIONAL
755	NAVIGATION BEACON
766	NAVIGATION LIGHT
766	NAVIGATIONAL AID: NAVIGATION LIGHT
767	NAVIGATIONAL AID: NAVIGATION BEACON
777	OBSTACLE IN WATER
847	PERMANENT SNOW AND ICE: OTHER
909	POND PARTITION: GENERIC/UNKNOWN
910	POND PARTITION: FISH POUND
911	POND PARTITION: RESERVOIR
912	POND PARTITION: WASTE
967	RAPIDS
979	RESERVOIR: OPEN, DRINKING WATER RESERVOIR
980	RESERVOIR: UNDERGROUND, DRINKING WATER RESERVOIR
981	RESERVOIR: OPEN,DUGOUT
982	RESERVOIR: OPEN,FILTRATION POND
1033	ROCK IN WATER
1044	ROCKY LEDGE/REEF
1044	ROCKY LEDGE/REEF: GENERIC/UNKNOWN
1108	SEAWALL
1108	SEAWALL: GENERIC/UNKNOWN
1163	SLIP
1174	SLUICE GATE
1209	SPRING
1209	SPRING: GENERIC/UNKNOWN
1453	WATER BODY: IRRIGATION CANAL
1503	WHARF
1503	WHARF: UNKNOWN
1514	WIND-OPERATED DEVICE: GENERIC/UNKNOWN
1666	LIQUIDS DEPOT/DUMPS: LIQUID WASTE, SEWAGE POND
1667	LIQUIDS DEPOT/DUMP: LIQUID WASTE, SETTLING POND
1668	LIQUIDS DEPOT/DUMP: LIQUID WASTE, UNKNOWN
1669	LIQUIDS DEPOT/DUMP: WATER, OTHER
1670	LIQUIDS DEPOT/DUMP: WATER, FILTRATION POND
1671	LIQUID DEPOT/DUMP: WATER, DRINKING WATER
1681	HAZARD TO NAVIGATION: ROCK IN WATER
1682	HAZARD TO NAVIGATION: EXPOSED SHIPWRECK
1683	HAZARD TO NAVIGATION: OBSTACLE IN WATER

## Data Dictionary (*cont'd*)

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<b>Code</b>	<b>Feature</b>
1701	WATER DISTURBANCE: FALLS
1702	WATER DISTURBANCE: RAPID
1710	UNDERGROUND RESERVOIR: GENERIC/UNKNOWN

## Data Dictionary (cont'd)

---

### Secondary Highway Casements (hsc)



#### Layer Location

\Streets\ AREAhsc

#### Layer Structure

Field Name	Type	Size	Description
STREET <sup>10</sup>	String	64	Street Title
RDS_ID	Number	9,0	Uniqueld of related Roads (rds) segment

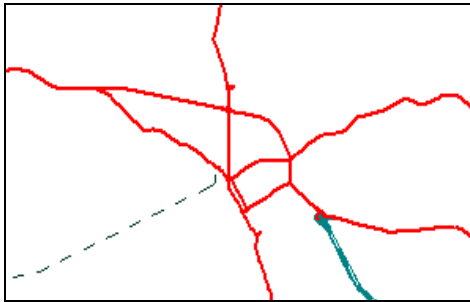
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<sup>10</sup> For more information refer to Appendix C: Street Types and Street Directions

## Data Dictionary (cont'd)

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### Highways (hwy)



#### Layer Location

\\Streets\AREA\hwy

#### Layer Structure

Field Name	Type	Size	Description
STREET <sup>11</sup>	String	69	Street Name
CARTO <sup>12</sup>	Number	3,0	Cartographic Road Classification
LEFT_MUN	String	70	Municipality
RIGHT_MUN	String	70	Municipality
LEFT_MAF	String	70	Municipal Amalgamation
RIGHT_MAF	String	70	Municipal Amalgamation
LEFT_FSA	String	3	Forward Sortation Area
RIGHT_FSA	String	3	Forward Sortation Area
LEFT_PRV	String	2	Provincial/Territorial Abbreviation
RIGHT_PRV	String	2	Provincial/Territorial Abbreviation
UNIQUEID	Number	9,0	Unique Identifier of Street segment

#### Field Content

As of CanMap v8.2 the Municipality (\_MUN) fields are attributed with 2001 Census based Municipality names. 1996 Census based Municipality names can be obtained by linking the **hwy** layer to the **rds\_lut** layer via the UNIQUEID and RDS\_ID fields.

<sup>11</sup> For more information refer to Appendix C: Street Types and Street Directions

<sup>12</sup> For more information refer to Appendix D: Cartographic Road and Rail Classifications

## Data Dictionary (cont'd)

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### Hydrography (hy)



#### Layer Location

\\Topo\AREAhy

#### Layer Structure

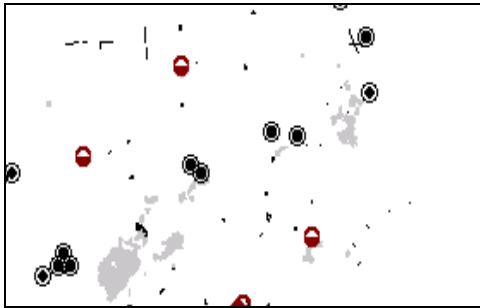
Field Name	Type	Size	Description
CODE	Number	4,0	Feature Code
FEATURE	String	76	Feature Type

#### Layer Content

Code	Feature
371	DISAPPEARING STREAM: OTHER
372	DISAPPEARING STREAM: SINKHOLE
1450	WATERBODY: INTERMITTENT/SLOUGH
1451	WATERBODY: IN STRING BOG
1452	WATERBODY: OTHER
1454	WATERBODY: FLOODED AREA
1463	WATERCOURSE: UNKNOWN

## Data Dictionary (cont'd)

### Industrial and Resource (ir)



#### Layer Location

\\Topo\AREAir

#### Layer Structure

Field Name	Type	Size	Description
CODE	Number	4,0	Feature Code
FEATURE	String	76	Feature Type

#### Layer Content

Code	Feature
34	AUTO WRECKER: GENERIC/UNKNOWN
34	AUTO WRECKER
347	CUT LINE: FIREBREAK
348	CUT LINE: OTHER
417	DUMP: ABANDONED
418	DUMP: OTHER
695	LUMBER YARD
695	LUMBER YARD: GENERIC/UNKNOWN
707	MINE: ABANDONED,N/A
708	MINE: OPERATIONAL,OPEN-PIT
709	MINE: OPERATIONAL,OTHER
788	OIL/GAS FACILITIES
788	GAS AND OIL FACILITIES: GENERIC/UNKNOWN
793	OIL OR GAS FIELD: GENERIC/UNKNOWN
898	PIT
923	QUARRY
1231	STOCKPILE
1242	STOCKYARD
1242	STOCKYARD: GENERIC/UNKNOWN
1435	WASTE: OTHER, LIQUID
1436	WASTE: SETTLING POND,LIQUID
1437	WASTE: SEWAGE DISPOSAL POND,LIQUID
1438	WASTE: OTHER,SOLID

## Data Dictionary (cont'd)

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Code	Feature
1656	SOLIDS DEPOT/DUMP: DOMESTIC, WASTE, ABANDONED
1657	SOLIDS DEPOT/DUMP: DOMESTIC, WASTE, OPERATIONAL
1658	SOLIDS DEPOT/DUMP: INDUSTRIAL, WASTE, UNKNOWN
1659	SOLIDS DEPOT/DUMP: INDUSTRIAL, STOCKPILE, UNKNOWN
1690	MINING AREA: UNKNOWN, UNKNOWN, UNKNOWN
1691	MINING AREA: PIT, OPEN PIT, OPERATIONAL
1692	MINING AREA: QUARRY, OPEN PIT, OPERATIONAL
1693	MINING AREA: MINE, OPEN, PIT, OPERATIONAL
1694	MINING AREA: MINE, UNKNOWN, ABANDONED
1697	MINING AREA: MINE, UNDERGROUND, OPERATIONAL

## Data Dictionary (cont'd)

### Land Feature Labels (II)

ono Cliffs Provincial Park	Dagmar Enn
hora Conservation Area	Markham Airfield
le Pinnacle	Ady Park
Belfountain Conservation Area	
enerating Station	Bluffer's Park
ir Conservation Area	Aquatic Park
yn Game Preserve	
Guelph Junction	

### Layer Location

\\Topo\AREAll

### Layer Structure

Field Name	Type	Size	Description
NAME	String	100	Feature Name
CODE	Number	4,0	Feature Code
FEATURE	String	76	Feature Type

### Layer Content

Code	Feature
1851	TOPONYM: PLACE
1854	TOPONYM: RELIEF
1855	TOPONYM: TRANSPORT



## Data Dictionary (cont'd)

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### Canada\USA Roads Linkages (Ink)



#### Layer Location

\Streets\AREAInk

#### Layer Structure

Field Name	Type	Size	Description
RDS_ID	Number	9,0	Uniqueld of related Roads (rds) segment
CAN_STREET	String	69	Canadian Street at Roads Linkage
PROV	String	2	Provincial/Territorial Abbreviation
USA_STREET	String	69	American Street at Roads Linkage
STATE	String	2	State Abbreviation
PORT_ENTRY	String	100	Port of Entry Name (where applicable)
LONGITUDE	Number	11,6	Longitude of Roads Linkage
LATITUDE	Number	11,6	Latitude of Roads Linkage

## Data Dictionary (cont'd)

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### Local Road Casements (lrc)



#### Layer Location

\Streets\AREAlrc

#### Layer Structure

Field Name	Type	Size	Description
STREET <sup>13</sup>	String	64	Street Title
RDS_ID	Number	9,0	Uniqueld of related Roads (rds) segment

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<sup>13</sup> For more information refer to Appendix C: Street Types and Street Directions

## Data Dictionary (cont'd)

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### Land Use (lu)



#### Layer Location

\\Topo\AREAlu

#### Layer Structure

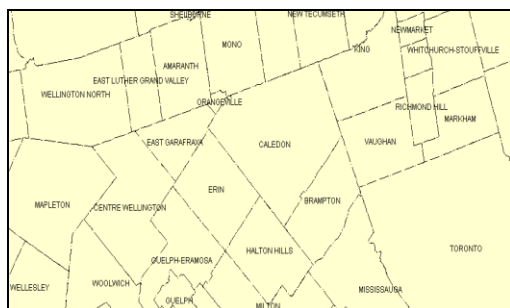
Field Name	Type	Size	Description
CATEGORY	String	40	Category of Landuse

#### Field Content

Landuse Categories: Commercial; Government and Institutional; Open Area; Parks and Recreational; Residential; Resource and Industrial; Waterbody.

## Data Dictionary (cont'd)

### Municipal Amalgamation File (maf)



#### Layer Location

\\Streets\AREAmaf

#### Layer Structure

Field Name	Field Type	Field Size	Description
NAME	String	70	Municipality name
PROV	String	2	Provincial/Territorial Abbreviation.
TYPE	String	3	Municipality type
EFF_DATE	String	8	Date the municipal amalgamation change comes into effect. Date appears in YYYYMMDD format. Null records indicate that amalgamations have not occurred.

#### Layer Content

The Municipal Amalgamation File (MAF) is a supplementary municipality boundary with CanMap® Streetfiles and CanMap® RouteLogistics and reflects recent changes to any amalgamated municipal boundaries, their subsequent changes to name, municipality type and date of amalgamation. An amalgamation is defined as a consolidation of two or more entire municipalities.

Derived from Statistics Canada 2001 Census the Municipal Amalgamation file contains:

- Municipal amalgamations that have occurred since the 2001 Census
- Municipal amalgamations based on provincial/territorial sources
- Census Subdivision Name and Type revisions from the 2001 Census

Municipality type refers to the census subdivision (CSD) type definition given to a municipality by Statistics Canada. "CSD" is the general term for municipalities (as determined by provincial legislation) or areas treated as municipal equivalents for statistical purposes (for example, Indian reserves, Indian settlements and unorganized territories).

Census subdivisions (CSDs) are classified into 46 types according to official designations adopted by provincial or federal authorities." The following table provides a list of CSD types and their abbreviations:<sup>14</sup>

<sup>14</sup> Source: Statistics Canada, [Standard Geographical Classification \(SGC\)](#), 2001

## Data Dictionary (cont'd)

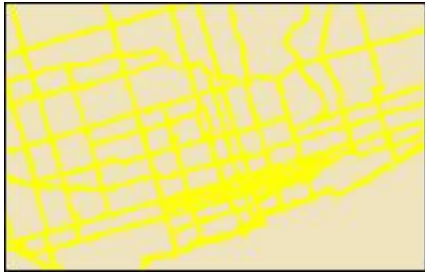
Type	Description
C	City
CC	Chartered Community
CM	County (Municipality)
COM	Community
CT	Canton (Municipalité de)
CU	Cantons unis (Municipalité de)
DM	District Municipality
HAM	Hamlet
ID	Improvement District
IGD	Indian Government District
IM	Island Municipality
LGD	Local Government District
LOT	Township and Royalty
M	Municipalité
MD	Municipal District
NH	Northern Hamlet
NL	Nisga'a Land
NV	Northern Village
NVL	Nisga'a Village
P	Paroisse (Municipalité de)
PAR	Parish
R	Indian Reserve / Réserve indienne
RC	Rural Community

Type	Description
RDA	Regional District Electoral Area
RG	Region
RGM	Regional Municipality
RM	Rural Municipality
RV	Resort Village
S-E	Indian Settlement / Établissement indien
SA	Special Area
SCM	Subdivision of County Municipality
SET	Settlement
SM	Specialized Municipality
SUN	Subdivision of Unorganized
SV	Summer Village
T	Town
TI	Terre inuite
TL	Teslin Land
TP	Township
TR	Terres réservées
UNO	Unorganized / Non-organisé
V	Ville
VC	Village cri
VK	Village naskapi
VL	Village
VN	Village nordique

## Data Dictionary (cont'd)

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### Major Roads Casements (mrc)



#### Layer Location

\Streets\AREAmrc

#### Layer Structure

Field Name	Type	Size	Description
STREET <sup>15</sup>	String	64	Street Title
RDS_ID	Number	9,0	Uniqueld of related Roads (rds) segment

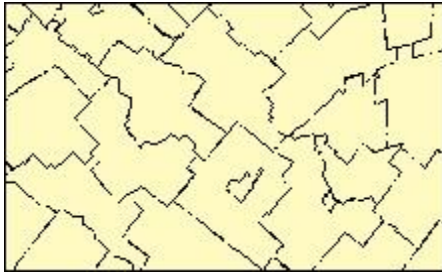
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<sup>15</sup> For more information refer to Appendix C: Street Types and Street Directions

## Data Dictionary (cont'd)

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### Municipality Boundaries (mun)



#### Layer Location

\\Streets\AREAmun

#### Layer Structure

Field Name	Type	Size	Description
NAME	C	70	Municipality Name
TYPE	C	3	Municipality Type
POP2001	D	8,0	2001 Census Population Count
DWELL2001	D	7,0	2001 Census Dwelling Count
AREA_SQKM	D	12,4	Area (square kilometers) from Statistics Canada Land Base
POP_SQKM	D	13,4	Population Density (per square kilometer)
PROV	C	2	Provincial/Territorial Abbreviation

#### Layer Content

The Municipalities layer is comprised of political administrative entities such as cities, towns, or villages. The DMTI Spatial Municipalities layer corresponds to the Statistics Canada 2001 Census Subdivisions (CSD).

#### Field Content

##### Type

The Municipality Type is used to help distinguish Municipalities having the same name from one another. The Municipality Types correspond to the Statistics Canada 2001 Census Subdivision (CSD) Types.

## Data Dictionary (cont'd)

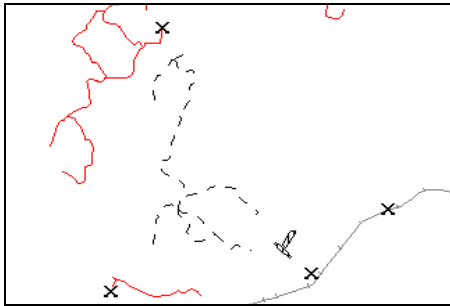
Type	Description
C	City – Cité
CC	Chartered Community
CM	County (Municipality)
COM	Community
CT	Canton (Municipalité de)
CU	Cantons unis (Municipalité de)
DM	District Municipality
HAM	Hamlet
ID	Improvement District
IGD	Indian Government District
IM	Island Municipality
LGD	Local Government District
LOT	Township and Royalty
M	Municipalité
MD	Municipal District
NH	Northern Hamlet
NL	Nisga'a Land
NV	Northern Village
NVL	Nisga'a Village
P	Paroisse (Municipalité de)
PAR	Parish
R	Indian Reserve - Réserve indienne
RC	Rural Community
RDA	Regional District Electoral Area
RG	Region
RGM	Regional Municipality
RM	Rural Municipality
RV	Resort Village
S-E	Indian Settlement - Établissement indien
SA	Special Area
SCM	Subdivision of County Municipality
SET	Settlement
SM	Specialized Municipality
SUN	Subdivision of Unorganized
SV	Summer Village

Type	Description
T	Town
TI	Terre inuite
TL	Teslin Land
TP	Township
TR	Terres réservées
UNO	Unorganized - Non organisé
V	Ville
VC	Village cri
VK	Village naskapi
VL	Village
VN	Village nordique



## Data Dictionary (cont'd)

### Other Transportation (ot)



#### Layer Location

\Topo\AREAot

#### Layer Structure

Field Name	Type	Size	Description
CODE	Number	4,0	Feature Code
FEATURE	String	76	Feature Type
NAME	String	100	Feature Name

#### Layer Content

Code	Feature
10	AERIAL CABLEWAY: GENERIC/UNKNOWN
11	AERIAL CABLEWAY: OTHER
12	AERIAL CABLEWAY: SKI LIFT
45	BARRIER/GATE: GENERIC/UNKNOWN
46	BARRIER/GATE: OTHER
47	BARRIER/GATE: TOLLGATE
440	EMBANKMENT: GENERIC/UNKNOWN
441	EMBANKMENT: OTHER
442	EMBANKMENT: CAUSEWAY
552	FOOTBRIDGE: GENERIC/UNKNOWN
563	FORD: GENERIC/UNKNOWN
1066	RUNWAY: GENERIC/UNKNOWN
1067	RUNWAY: AIRFIELD, UNKNOWN, UNKNOWN
1068	RUNWAY: AIRFIELD, OPERATIONAL, HARD SURFACE
1069	RUNWAY: AIRFIELD, OPERATIONAL, LOOSE SURFACE
1070	RUNWAY: AIRPORT, OPERATIONAL, HARD SURFACE
1071	RUNWAY: UNKNOWN, ABANDONED, UNKNOWN
1072	RUNWAY: AIRPORT, OPERATIONAL, LOOSE SURFACE
1185	SNOWSHED: GENERIC/UNKNOWN
1376	TUNNEL: GENERIC/UNKNOWN
1387	TURNTABLE: GENERIC/UNKNOWN

## Data Dictionary (cont'd)

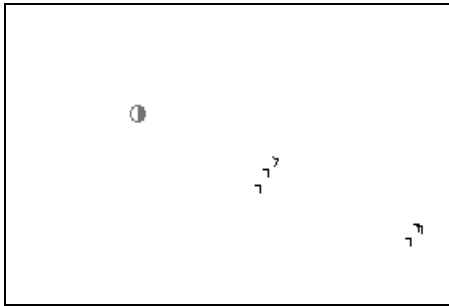
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1720	HAZARD TO AIR NAVIGATION: GENERIC/UNKNOWN
1721	HAZARD TO AIR NAVIGATION: PARABOLIC ANTENNA
1722	HAZARD TO AIR NAVIGATION: CHIMNEY
1723	HAZARD TO AIR NAVIGATION: TANK
1724	HAZARD TO AIR NAVIGATION: CROSS
1725	HAZARD TO AIR NAVIGATION: WIND-OPERATED DEVICE
1726	HAZARD TO AIR NAVIGATION: CRANE
1727	HAZARD TO AIR NAVIGATION: WATER DISTURBANCE
1728	HAZARD TO AIR NAVIGATION: BRIDGE
1729	HAZARD TO AIR NAVIGATION: NAVIGATIONAL AID
1730	HAZARD TO AIR NAVIGATION: AERIAL CABLEWAY
1731	HAZARD TO AIR NAVIGATION: TOWER

The OT layer also includes the 'PATH' network. The PATH is downtown Toronto's underground walkway. It links various office towers, parking garages, subway stations, department stores, hotels, tourist attractions, and the Union Station railway terminal.

## Data Dictionary (cont'd)

### Physiography (ph)



#### Layer Location

\\Topo\AREAph

#### Layer Structure

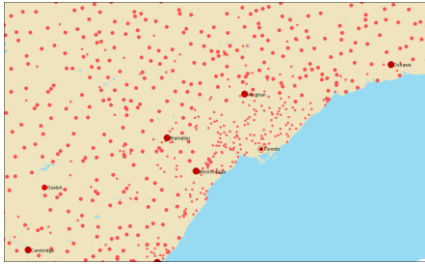
Field Name	Type	Size	Description
CODE	Number	4,0	Feature Code
FEATURE	String	76	Feature Type

#### Layer Content

Code	Feature
239	CAVE ENTRANCE
239	CAVE ENTRANCE: GENERIC/UNKNOWN
394	DRY RIVER BED
394	DRY RIVER BED: GENERIC/UNKNOWN
451	ESKER
451	ESKER: GENERIC/UNKNOWN
574	FORESHORE FLATS
731	MORAINE: GENERIC/UNKNOWN
1083	SAND: OTHER
1084	SAND: UNDERWATER

## Data Dictionary (cont'd)

### Populated Placenames (ppn)



#### Layer Location

\\POI\AREAppn

#### Layer Structure

Field Name	Field Type	Field Size	Description
NAME	String	68	Placename
PROV	String	2	Provincial/Territorial Abbreviation
LONGITUDE	Number	11,6	Longitude of Populated Placename
LATITUDE	Number	11,6	Latitude of Populated Placename
PPN_CODE	Number	3,0	Populated Placename Code
PREC_CODE	Number	2,0	Code indicating the positional accuracy or precision of the geocoded feature
MJR_CITY	Number	1,0	Identifies cities with populations > 100,000
CAPITAL	Number	1,0	Identifies provincial capital cities and the national capital
PRDCSD	String	8	2001 Census Subdivision (CSD) code in which the placename is located
CSD_NAME	String	68	2001 Census Subdivision (CSD) name in which the placename is located
CSD_POP01	Number	8,0	Census Subdivision (CSD) population (2001) in which the placename is located
PPN_ID	Number	11, 0	Unique ID assigned to every PPN
RETIRED	Integer	1	This flag indicates those Populated Place Names which are no longer considered valid in official government documents. A value of 1 indicates that the name is no longer valid. A value of 0 indicates that the name is still valid.

## Data Dictionary (*cont'd*)

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### Layer Content

Based on the Canadian Geographic Names Database<sup>17</sup>, the CanMap Populated Placenames file provides a rich and extensive layer of cities, towns, villages and communities across Canada. CanMap Populated Placenames have been enhanced by verifying and aligning points with CanMap<sup>®</sup> Streetfiles.

PPN_Code	Type of Populated Placename
101	Capital City
100	Major City
1	Minor City
2	Town or Village
3	Urban
4	Urban Fringe
5	Urban Area
6	Rural Community

### PPN Precision Code

Prec_Code	Description
1	Centroid of 1:50,000 NTDB feature
2	Block-face representative point from CanMap streets – High precision
3	Block-face representative point from CanMap streets – Lower precision
4	Postal Code-Block-face representative point
5	Postal Code-EA centroid
6	Municipal Centroid
7	Canadian Geographical Names Database (CGNDB) <sup>16</sup>

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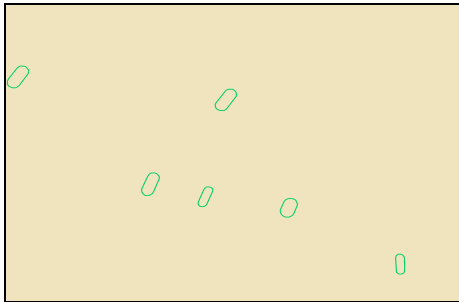
<sup>16</sup> May have been enhanced by DMTI Spatial by removing points from water bodies or moving overlapping points.

<sup>17</sup> Source: Natural Resources Canada, Canadian Geographical Names Database (CGNDB), 1999

## Data Dictionary (cont'd)

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### Parks & Recreation Lines (prl)



#### Layer Location

\\Topo\AREAprl

#### Layer Structure

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

#### Layer Content

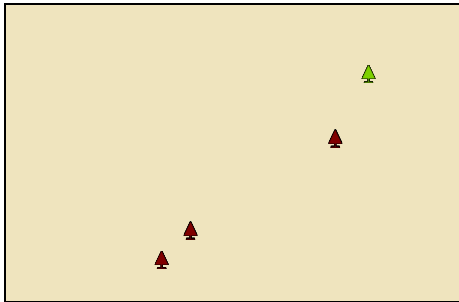
CanMap Parks & Recreation lines layer represents over 2,600 recreation line features across Canada.

#### Features - Recreational Features

Code	Feature
1198	Sports Track/Race Track: Other

## Data Dictionary (cont'd)

### Parks & Recreation Points (prp)



#### Layer Location

\\Topo\AREAprp

#### Layer Structure

Field Name	Type	Size	Description
CODE	Number	4,0	Park or Recreational Feature Code
FEATURE	String	76	Park or Recreational Feature Type
NAME	String	68	Park or Recreational Feature Name
TYPE	String	40	Park Designation example National, Provincial, Territorial Parks
CLASS	String	40	Park or Recreational Feature Classification example wilderness, heritage or waterway
PROV	String	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

Code	Feature
2025	Provincial Parks
2026	Territorial Parks

#### Features - Recreational

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

## Data Dictionary (cont'd)

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### Parks Features - Types

Type
Provincial Park
Territorial Park

### Parks Features - 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:

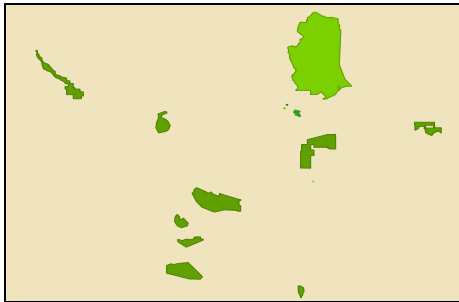
Park Name	Prov	Prov	Description
Long Point Provincial Park	NS	ON	Park name shared by more than one province
Ten Mile Lake Provincial Park	NS	BC	Park name shared by more than one province
White Lake Provincial Park	ON	BC	Park name shared by more than one province in the points layer

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



## Data Dictionary (cont'd)

### Parks & Recreation Regions (pr)



#### Layer Location

\\Topo\AREA\pr

#### Layer Structure

Field Name	Type	Size	Description
CODE	Number	4,0	Park or Recreational Feature Code
FEATURE	String	76	Park or Recreational Feature Type
NAME	String	68	Park or Recreational Feature Name
TYPE	String	40	Park Designation example National, Provincial, Territorial Parks
CLASS	String	40	Park or Recreational Feature Classification example wilderness, heritage or waterway
PROV	String	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

Code	Feature
2021	National Parks Polygons
2022	National Wildlife Area
2023	Migratory Bird Sanctuary
2025	Provincial Parks
2026	Territorial Parks
2027	Other Parks

## Data Dictionary (cont'd)

---

### Features - Recreational Features

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

### Parks Features - 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

## Data Dictionary (cont'd)

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### Parks Features - 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

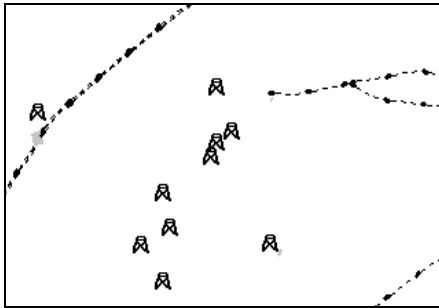
### Provincial Parks Duplicate Naming

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

## Data Dictionary (cont'd)

### Pipelines and Transmission (pt)



#### Layer Location

\\Topo\ AREApt

#### Layer Structure

Field Name	Type	Size	Description
CODE	Number	4,0	Feature Code
FEATURE	String	76	Feature Type

#### Layer Content

Code	Feature
881	PIPELINE: NATURAL GAS, ABOVEGROUND
881	PIPELINE: NATURAL GAS ,ABOVEGROUND
882	PIPELINE: NATURAL GAS,UNDERGROUND
882	PIPELINE: NATURAL GAS, UNDERGROUND
883	PIPELINE: OIL,ABOVEGROUND
883	PIPELINE: OIL ABOVEGROUND
884	PIPELINE: OIL UNDERGROUND
884	PIPELINE: OIL,UNDERGROUND
885	PIPELINE: SEWAGE/WASTE, ABOVEGROUND
885	PIPELINE: SEWAGE/WASTE,ABOVEGROUND
886	PIPELINE: UNKNOWN,ABOVEGROUND
886	PIPELINE: UNKNOWN, ABOVEGROUND
887	PIPELINE: UNKNOWN,UNDERGROUND
887	PIPELINE: UNKNOWN, UNDERGROUND
890	PIPELINE: MULTIUSE, ABOVEGROUND
891	PIPELINE: MULTIUSE, UNDERGROUND
1318	TRANSFORMER STATION (ELECTRIC)
1318	TRANSFORMER STATION: GENERIC/UNKNOWN
1330	TRANSMISSION LINE: POWER,OTHER
1330	TRANSMISSION LINE: POWER, OTHER
1331	TRANSMISSION LINE: POWER, SUBMARINE

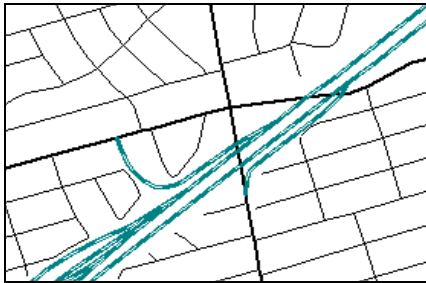
## Data Dictionary (*cont'd*)

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<b>Code</b>	<b>Feature</b>
1331	TRANSMISSION LINE: POWER,SUBMARINE
1332	TRANSMISSION LINE: TELEPHONE,OTHER
1332	TRANSMISSION LINE: TELEPHONE, OTHER
1398	VALVE: GENERIC/UNKNOWN
1398	VALVE

## Data Dictionary (cont'd)

### Roads (rds)



#### Layer Location

\\Streets\AREArds

#### Layer Structure

Field Name	Type	Size	Description
STREET <sup>18</sup>	String	69	Street Title (comprised of PRETYPE, PREDIR, STREETNAME, SUFTYPE, SUFDIR)
FROMLEFT	Number	6,0	Address on the Left side at the From end of the street segment
TOLEFT	Number	6,0	Address on the Left side at the To end of the street segment
FROMRIGHT	Number	6,0	Address on the Right side at the From end of the street segment
TORIGHT	Number	6,0	Address on the Right side at the To end of the street segment
PREDIR	String	2	Prefix Direction component of the Street Title (e.g. <b>W</b> 5 St)
PRETYPE	String	10	Prefix StreetType component of the Street Title (e.g. <b>Rue</b> Jean)
STREETNAME	String	45	StreetName component of the Street Title (e.g. <b>John</b> St E)
SUFTYPE	String	10	Suffix StreetType component of the Street Title (e.g. John <b>St</b> E)
SUFDIR	String	2	Suffix Direction component of the Street Title (e.g. John St <b>E</b> )
CARTO <sup>19</sup>	Number	3,0	Cartographic Road Classification
LEFT_MUN	String	70	Municipality
RIGHT_MUN	String	70	Municipality
LEFT_MAF	String	70	Municipal Amalgamation
RIGHT_MAF	String	70	Municipal Amalgamation
LEFT_FSA	String	3	Forward Sortation Area
RIGHT_FSA	String	3	Forward Sortation Area
LEFT_PRV	String	2	Province (Abbreviation)
RIGHT_PRV	String	2	Province (Abbreviation)
UNIQUEID	Number	9,0	Unique Identifier of Street segment

**Note:** Address fields contain only zeros in Unaddressed CanMap Streetfiles.

#### Field Content

As of CanMap v8.2 the Municipality (\_MUN) fields are attributed with 2001 Census based Municipality names. 1996 Census based Municipality names can be obtained by linking the **rds** layer to the **rds\_lut** layer via the UNIQUEID and RDS\_ID fields. ESRI users should also note that as of CanMap v8.2 all geocoding indexes have been created using 2001 Census based Municipality names.

<sup>18</sup> For more information refer to Appendix C: Street Types and Street Directions

<sup>19</sup> For more information refer to Appendix D: Cartographic Road and Rail Classifications

## Data Dictionary (cont'd)

### Roads Look Up Table (rds\_lut)<sup>20</sup>

#### Layer Location

\\Streets\AREArds\_lut

#### Layer Structure

Field Name	Type	Size	Description
RDS_ID	Number	9,0	Uniqueld of related Roads (rds) segment
ALIAS_NAME	String	69	Alternate Street Name
FORMERNAME <sup>21</sup>	String	69	Former Provincial Hwy Name
HWY_NUM	String	20	Highway Number(s) (e.g. Highway 404)
HWY_NUMNAM	String	69	Road Numeric Name (e.g. Regional Rd 4)
HWY_NAME	String	69	Highway Name Non-Numeric (e.g. Don Valley Pky)
RD_NUM	String	20	Road Number (e.g. 4)
RD_NUMNAM	String	69	Road Numeric Name (e.g. Regional Rd 4)
RD_NAME	String	69	Road Name Non-Numeric (e.g. Taunton Rd W)
ALASKAHWY	Number	1,0	Alaskan Highway flag
CARIBOOHWY	Number	1,0	Cariboo Highway flag
CRWSNSTHWY	Number	1,0	Crowsnest Highway flag
DEMPSTRHWY	Number	1,0	Dempster Highway flag
JOHNHRTHWY	Number	1,0	John Hart Highway flag
KLONDKEHWY	Number	1,0	Klondike Highway flag
MCKNZIEHWY	Number	1,0	Mackenzie Highway flag
TRNSCDAHWY	Number	1,0	TransCanada Highway Flag
YELLOWHDHWY	Number	1,0	Yellow Head Highway Flag
TOLL_RD	Number	1,0	Toll Road Flag
BRIDGE	Number	1,0	Bridge Flag
TUNNEL	Number	1,0	Tunnel Flag
BRUNNELNAM	String	69	Bridge/Tunnel Name
TRAILNAME	String	100	Trail Name
TRAILTYPE	String	50	Trail Type
TRAILCLASS	String	20	Trail Class
TRAILCODE	Number	4,0	Trail Code
L_MUN_96	String	68	Municipality (1996 Census based)
R_MUN_96	String	68	Municipality (1996 Census based)

<sup>20</sup> For more information on joining the rds\_lut Table to the rds Layer refer to Appendix F: Joining the rds Layer and rds\_lut Table

<sup>21</sup> Applicable only in Ontario

## Data Dictionary (cont'd)

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### Trail Classes, Types and Codes

TrailCode	TrailType	TrailClass
1000	OTHER PARK	PARK
1001	NATIONAL PARK	PARK
1002	PROVINCIAL PARK	PARK
1003	MUNICIPAL PARK	PARK
1004	CONSERVATION AREA	PARK
1005	NATIONAL HISTORIC SITE	PARK
1006	WILDLIFE/NATURE SANCTUARY	PARK
1007	EXHIBITION GROUNDS	PARK
2000	OTHER RECREATIONAL	RECREATIONAL
2001	HIKING/WALKING	RECREATIONAL
2002	BIKING	RECREATIONAL
2003	RIDING	RECREATIONAL
2004	SNOWMOBILE	RECREATIONAL
2005	SKIING	RECREATIONAL
2006	GOLF COURSE	RECREATIONAL
2007	PORTAGE	RECREATIONAL
3000	OTHER PRIVATE	PRIVATE
3001	TOWNHOUSE/CONDOMINIUM	PRIVATE
3002	SHOPPING MALL	PRIVATE
3003	TRAILER PARK	PRIVATE
3004	LOGGING ROAD	PRIVATE
3005	CEMETERY	PRIVATE
3006	ALLEY WAY	PRIVATE
3007	AIRPORT/HELIPORT	PRIVATE
3008	ABANDONED RAILWAY	PRIVATE
3009	INDUSTRIAL	PRIVATE
3010	FOREST SERVICE ROAD	PRIVATE
3011	REST AREA	PRIVATE
3012	SERVICE STATION	PRIVATE
3013	ABANDONED ROAD	PRIVATE
3014	COUNTRY CLUB	PRIVATE
3015	HOTEL/MOTEL	PRIVATE
3016	RETAIL/OFFICE	PRIVATE
4000	OTHER EMERGENCY SERVICES	EMERGENCY SERVICES
4001	HOSPITAL	EMERGENCY SERVICES
4002	FIRE ACCESS	EMERGENCY SERVICES
4003	EMERGENCY SERVICES ROAD	EMERGENCY SERVICES



## Data Dictionary (cont'd)

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### Trail Classes, Types and Codes (con't)

TrailCode	TrailType	TrailClass
5000	OTHER EDUCATIONAL	EDUCATIONAL
5001	PRIVATE ELEMENTARY SCHOOL	EDUCATIONAL
5002	PUBLIC ELEMENTARY SCHOOL	EDUCATIONAL
5003	PRIVATE HIGHSCHOOL	EDUCATIONAL
5004	PUBLIC HIGHSCHOOL	EDUCATIONAL
5005	UNIVERSITY	EDUCATIONAL
5006	COLLEGE	EDUCATIONAL
5007	MILITARY SCHOOL	EDUCATIONAL
5008	SEPARATE ELEMENTARY SCHOOL	EDUCATIONAL
5009	SEPARATE HIGHSCHOOL	EDUCATIONAL
6000	OTHER GOVERNMENT	GOVERNMENT
6001	EXPERIMENTAL FARM	GOVERNMENT
6002	DEPARTMENT OF NATIONAL DEFENCE	GOVERNMENT
6003	CORRECTIONAL FACILITY	GOVERNMENT
6004	WEIGH STATION	GOVERNMENT
6005	PEDESTRIAN WALK WAY	GOVERNMENT
6006	POLICE TRAINING FACILITY	GOVERNMENT
6007	SEWAGE OR WATER TREATMENT FACILITY	GOVERNMENT
6008	NO PUBLIC ACCESS/BUS ROUTE	GOVERNMENT
7000	LIMITED USE ROAD: OTHER	LIMITED USE ROAD
7001	LIMITED USE ROAD: WINTER	LIMITED USE ROAD
7002	LIMITED USE ROAD: DRY WEATHER	LIMITED USE ROAD
7003	LIMITED USE ROAD: CART TRACK	LIMITED USE ROAD

## Data Dictionary (cont'd)

### Railway and Transit Lines (rl)



#### Layer Location

\\Topo\AREAr1

#### Layer Structure

Field Name	Type	Size	Description
OWNER	String	68	Railway Owner/Operator
CARTO	Number	3,0	Cartographic Rail Classification
ACCESS1	String	50	Alternate Railway Owner/Operator
ACCESS2	String	50	Alternate Railway Owner/Operator
ACCESS3	String	50	Alternate Railway Owner/Operator
TRS_RTE	String	68	Transit Route
RTE_TYPE	String	3	Route Type
PROV	String	2	Province
US_RAILCO	String	15	American owner/operator of connecting US railway line
US_STP	String	50	American railway station of entry on connecting US railway line
US_STATE	String	2	American State the connecting US railway line enters
CR	Number	1,0	Transit: Commuter Rail Flag
LRT	Number	1,0	Transit: Light Rail Flag
RT	Number	1,0	Transit: Rapid Transit Flag
CODE	Number	4,0	Classification Code
FEATURE	String	76	Railway Feature Type
RL_ID	Number	9,0	Railway unique identifier (Unique ID)

- ❖ Rail Transit lines have been integrated with the Railway lines. The TRS\_TYPE and RTE\_TYPE fields have been added to the Railway lines in order to accommodate the transit data. Three flag fields CR, LRT and RT have been included so that Rail Transit lines can be queried out to create a separate transit layer. In cases where a transit line has shared access with a railway line, the OWNER field will contain the railway data and the transit data will be contained in one of the ACCESS fields.
- ❖ The MAIN, SIDETRACK and ABANDONED fields have been removed and replaced by a new CARTO field that includes rail classifications for each of those categories and a transit carto. See Appendix A : Cartographic Road and Rail Classifications for carto descriptions.

## Data Dictionary (cont'd)

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### Layer Content

CODE	FEATURE
91	BRIDGE
935	RAILWAY: ABANDONED
961	RAILWAY: SPECIAL, OTHER, OPERATIONAL, SINGLE
962	RAILWAY: OPERATIONAL
963	RAILWAY: OPERATIONAL, SIDETRACK
1376	TUNNEL

### Transit Definitions

**Commuter rail (CR)** is a transit railway within urbanized areas, or between urbanized areas and outlying suburbs and regions within commuting distance. These transit lines are often shared with Railway lines.

**Rapid Transit (RT) (metro, subway)** is a high speed transit railway at ground level or below within urbanized areas.

**Light rail (LRT) (streetcar, tramway, automated guideway transit)** is a transit railway that operates on a loop within the central business district of a city or connecting the business district to its suburbs.

## Data Dictionary (cont'd)

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### Trail Casements (tlc)



#### Layer Location

\\Streets\AREAtlc

#### Layer Structure

Field Name	Type	Size	Description
STREET <sup>22</sup>	String	64	Street Title
RDS_ID	Number	9,0	Uniqueld of related Roads (rds) segment

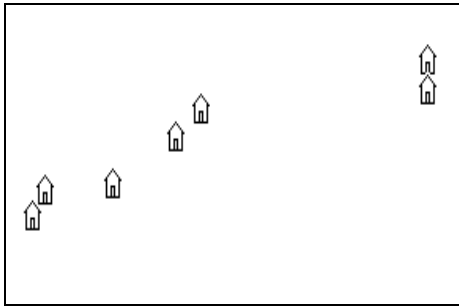
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<sup>22</sup> For more information refer to Appendix C: Street Types and Street Directions

## Data Dictionary (cont'd)

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### Toll Booths (tol)



#### Layer Location

\POI\AREAtol

#### Layer Structure

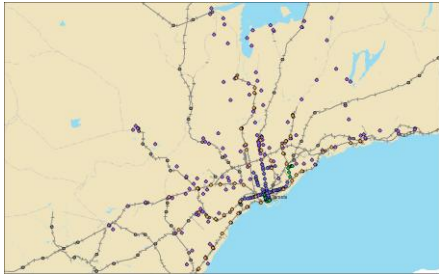
Field Name	Type	Size	Description
NAME	String	150	Toll Booth name
LOCATION	String	100	Toll Booth location
CITY	String	68	City (or closest Municipality)
PROV	String	2	Province (Abbreviation)
DIRECTION	String	2	Direction of Highway at Car Pool Lot Location
PREC_CODE <sup>23</sup>	String	2	Code indicating the positional accuracy or precision of the geocoded feature
ATTRIBCODE	String	2	Code to indicate the accuracy of the attribute data
POI_ID	String	15	Unique ID

<sup>23</sup> Refer to the Appendix E: Geographical Placement of Data for more information.

## Data Dictionary (cont'd)

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### Transportation Stops (trs)



#### Layer Location

\\POI\AREA\trs

#### Layer Structure

Field Name	Type	Size	Description
NAME	String	150	Transportation Stop name
CITY	String	68	City or municipality
PROV	String	2	Provincial/Territorial Abbreviation
TRS_TYPE	String	25	Transportation Stop classification (if available)
OWNER	String	68	Transportation Stop owner/operator
ROUTE	String	100	Transportation Stop Route
TRS_NUM	String	8	Transportation Stop number (if available)
CODE	Number	4,0	Classification Code
PREC_CODE	String	2	Precision Code
ATTRIB_CODE	String	2	Attribute Code
POI_ID	String	15	Transit Stop unique identifier (Unique ID)

- ❖ Bus and Rail Transit stops have been merged with the Railway Stops to create a Transportation Stops layer. Some fields were added and others changed name or type to accommodate the transit data. See table above for descriptions of each field.

#### Layer Content

CODE	FEATURE
150	BUS STOP
151	BUILDING: RAPID TRANSIT STATION
152	BUILDING: LIGHT RAIL TRANSIT STATION
154	BUILDING: COMMUTER RAIL STATION
155	BUILDING: RAILWAY STATION

## Data Dictionary (cont'd)

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### Vegetation (ve)



#### Layer Location

\\Topo\AREAVE

#### Layer Structure

Field Name	Type	Size	Description
CODE	Number	4,0	Feature Code
FEATURE	String	76	Feature Type

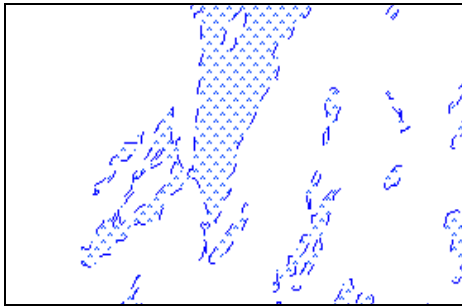
#### Layer Content

Code	Feature
834	PEAT CUTTING
834	PEAT CUTTING: GENERIC/UNKNOWN
1343	TREE NURSERY
1410	VEGETATION: ORCHARD
1411	VEGETATION: VINEYARD/HOPFIELD
1412	VEGETATION: WOODED AREA
1413	VEGETATION: TREE NURSERY

## Data Dictionary (cont'd)

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### Wetlands (we)



#### Layer Location

\\Topo\AREAwe

#### Layer Structure

Field Name	Type	Size	Description
CODE	Number	4,0	Feature Code
FEATURE	String	76	Feature Type

#### Layer Content

Code	Feature
1253	STRING BOG
1253	STRING BOG: GENERIC/UNKNOWN
1492	WETLAND
1492	WETLAND: GENERIC/UNKNOWN



## Data Dictionary (cont'd)

### Water Feature Labels (wl)

		Mud Lake
	Sheldon Creek	Mount Albert
	Nottawasaga River	Lazy Lake
	Credit River	Miche
	Caledon Creek	Beaver Creek
	Speed River	Etobicoke Creek Southwest
Polwich Reservoir	Credit River	Ashbridges
er Creek	Sixteen Mile Creek	Lake Ont
el Creek	Mountsberg Reservoir	

### Layer Location

\\Topo\AREA\wl

### Layer Structure

Field Name	Type	Size	Description
NAME	String	100	Feature Name
CODE	Number	4,0	Feature Code
FEATURE	String	76	Feature Type

### Layer Content

Code	Feature
1852	TOPONYM: HYDROGRAPHY
1853	TOPONYM: SHORELINE

## Data Dictionary (cont'd)

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### Highway Exits (xit)



#### Layer Location

\\Streets\AREExit

#### Layer Structure

Field Name	Type	Size	Description
EXIT_NUM	String	30	Highway Exit Number
EXIT_DIR	String	2	Direction of Exit ramp

#### Layer Content

The exit layer is composed of points containing exit number and direction attribution. Exit sourcing is only available for the provinces of British Columbia, New Brunswick, Nova Scotia, Ontario and Quebec.

- EXIT\_NUM field contains comma-delimited records where multiple exit numbers exist. 356, 357 – denotes exit 356 and exit 357
- STREET field from rds table contains ampersand-delimited records where multiple exit numbers exist: "HIGHWAY 401 (EXIT 356 & 357)"
- EXIT\_DIR field direction attribution is associated with the exit number only

## Appendix A: File Extensions

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### 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	File Description
*.shp	Part of standard ESRI® Shapefile
*.shx	Part of standard ESRI® Shapefile
*.dbf	Part of standard ESRI® Shapefile
*.sbn	Part of Spatial Index
*.sbx	Part of Spatial Index
*.lyr	Layer Properties
*.prj	Datum and Projection Properties
*.mxd	ArcGIS Project file

### 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 B: Street Types and Street Directions<sup>24</sup>

### Street Types

Street Types used in the CanMap<sup>®</sup> suite of products correspond to the standard abbreviations used by Canada Post. The Language column distinguishes between street types in English (E) and street types in French (F).

Street Type	Abbreviation	Language
Abbey	ABBEY	E
Acres	ACRES	E
Allée	ALLÉE	F
Alley	ALLEY	E
Autoroute	AUT	F
Avenue	AV	F
Avenue	AVE	E
Bay	BAY	E
Beach	BEACH	E
Bend	BEND	E
Boulevard	BLVD	E
Boulevard	BOUL	F
By-Pass	BYPASS	E
Byway	BYWAY	E
Centre	C	F
Campus	CAMPUS	E
Cape	CAPE	E
Carr	CAR	F
Carrefour	CARREF	F
Cul-de-sac	CDS	E
Cercle	CERCLE	F
Chemin	CH	F
Chase	CHASE	E
Circle	CIR	E
Circuit	CIRCT	E
Close	CLOSE	E
Common	COMMON	E
Concession	CONC	E
Côte	CÔTE	F
Cour	COUR	F
Cours	COURS	F
Cove	COVE	E

Street Type	Abbreviation	Language
Crescent	CRES	E
Corners	CRNRS	E
Croissant	CROIS	F
Crossing	CROSS	E
Court	CRT	E
Centre	CTR	E
Dale	DALE	E
Dell	DELL	E
Diversion	DIVERS	E
Downs	DOWNS	E
Drive	DR	E
Échangeur	ÉCH	F
End	END	E
Esplanade	ESPL	E
Estates	ESTATE	E
Expressway	EXPY	E
Extension	EXTEN	E
Farm	FARM	E
Field	FIELD	E
Forest	FOREST	E
Front	FRONT	E
Freeway	FWY	E
Gate	GATE	E
Gardens	GDNS	E
Glade	GLADE	E
Glen	GLEN	E
Green	GREEN	E
Grounds	GRNDS	E
Grove	GROVE	E
Harbour	HARBR	E
Heath	HEATH	E
Highlands	HGHLDS	E

<sup>24</sup> Source: Canada Post Corporation, The Canadian Addressing Guide, October 2002

## Appendix C: Street Types and Street Directions (cont'd)

Street Type	Abbreviation	Language
Hill	HILL	E
Hollow	HOLLOW	E
Heights	HTS	E
Highway	HWY	E
Île	ÎLE	F
Impasse	IMP	E
Inlet	INLET	E
Island	ISLAND	E
Key	KEY	E
Knoll	KNOLL	E
Landing	LANDNG	E
Lane	LANE	E
Line	LINE	E
Link	LINK	E
Lookout	LKOUT	E
Limits	LMTS	E
Loop	LOOP	E
Mall	MALL	E
Manor	MANOR	E
Maze	MAZE	E
Meadow	MEADOW	E
Mews	MEWS	E
Montée	MONTÉE	F
Moor	MOOR	E
Mount	MOUNT	E
Mountain	MTN	E
Orchard	ORCH	E
Parade	PARADE	E
Parc	PARC	F
Passage	PASS	E
Path	PATH	E
Pines	PINES	E
Park	PK	E
Parkway	PKY	E
Pathway	PTWAY	E
Place	PL	E
Place	PLACE	F
Plateau	PLAT	E
Plaza	PLAZA	E
Port	PORT	E
Point	PT	E
Pointe	POINTE	F

Street Type	Abbreviation	Language
Private	PVT	E
Promenade	PROM	E
Quai	QUAI	F
Quay	QUAY	E
Ramp	RAMP	E
Rang	RANG	F
Road	RD	E
Rond-point	RDPT	F
Range	RG	E
Ridge	RIDGE	E
Rise	RISE	E
Ruelle	RLE	F
Row	ROW	E
Route	RTE	E
Rue	RUE	F
Run	RUN	E
Sentier	SENT	E
Square	SQ	E
Street	ST	E
Subdivision	SUBDIV	E
Terrace	TERR	E
Thicket	THICK	E
Townline	TLINE	E
Towers	TOWERS	E
Trail	TRAIL	E
Turnabout	TRNABT	E
Terrasse	TSSE	F
Vale	VALE	E
Via	VIA	E
View	VIEW	E
Villas	VILLAS	E
Village	VILLGE	E
Vista	VISTA	E
Voie	VOIE	F
Walk	WALK	E
Way	WAY	E
Wharf	WHARF	E
Wood	WOOD	E
Wynd	WYND	E

## Appendix B: Street Types and Street Directions (cont'd)

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### Street Directions

Street Directions used in the CanMap<sup>®</sup> suite of products correspond to the standard abbreviations used by Canada Post. The Language column distinguishes between street types in English (E) and street types in French (F).

Street Direction	Abbreviation	Language
East	E	E
Est	E	F
Nord	N	F
NordEst	NE	F
NordOuest	NO	F
North	N	E
NorthEast	NE	E
NorthWest	NW	E
Ouest	O	F
South	S	E
SouthEast	SE	E
SouthWest	SW	E
Sud	S	F
SudEst	SE	F
SudOuest	SO	F
West	W	E

## Appendix C: Cartographic Road and Rail Classifications

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Carto #	Carto Name	Description
1	Expressway	Expressways and 400 series highways, e.g. Highway 401, Don Valley Parkway
2	Primary Highway	Primary Highway, e.g. Highway 7, Highway 11
3	Secondary Highway	Secondary Highways
4	Major Road	Major road or Arterial road, e.g. Bayview Ave
5	Local Road	Subdivision road in a city or gravel road in a rural area
6	Trail	Trails
7	Proposed Road	Proposed Road Segments
10	Main	Main Railway and Transit Lines (includes segments of rail that are shared with transit)
11	Sidetrack	Sidetrack of Main Railway Route
12	Abandoned	Abandoned sections of Main Railway Route
13	Transit	Transit lines that are not shared with Railway lines
20	Ferry Route	Approximate travel route of Ferry
21	Ferry Ramp	Ferry Ramp
22	Ice Road	Approximate travel route of Ice Road
23	Ice Ramp	Ice Ramp
24	Ferry Route/Ice Road	Approximate travel route of Ferry/Ice Road
25	Ferry/Ice Ramp	Ferry/Ice Ramp

## Appendix D: Geographical Placement of Data

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### Precision Codes

Code indicating the positional accuracy or precision of the positioned or geocoded feature.

Prec_Code	Description
1	Centroid of 1:50 000 NTDB feature or placed via Orthorectified photo
2	Block-face representative point from CanMap streets – High precision
3	Block-face representative point from CanMap streets – Lower precision
4	Postal Code - Block-face representative point
5	Postal Code - EA Centroid / FSA Centroid
6	Municipal Centroid
7	Canadian Geographical Names Database (CGNDB) <sup>25</sup>

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<sup>25</sup> May have been enhanced by removing points from water bodies



## Appendix E: Joining the rds Layer and rds\_lut Table

To view the *AREArds* data linked to the *AREArds\_lut* data the user must complete a manual join.

### MapInfo

- Open both the *AREArds* data file and the *AREArds\_lut* data file in MapInfo.
- Select 'Query' > 'SQL Select...'
- Complete the following query in the Query Menu (See Figure 1)
- Select \* from *AREArds*, *AREArds\_lut* where *AREArds.UniqueId* = *AREArds\_lut.Rds\_Id*
- 'Verify' the SQL query and if valid, press 'OK'.

Once the query result has been obtained you can then view the joined tables e.g. 'Joined\_Results' via the Info Tool in the Map Window or through the 'Joined\_Results' Table Browser.

To create a permanent join simply save the joined tables as a new MapInfo Table.

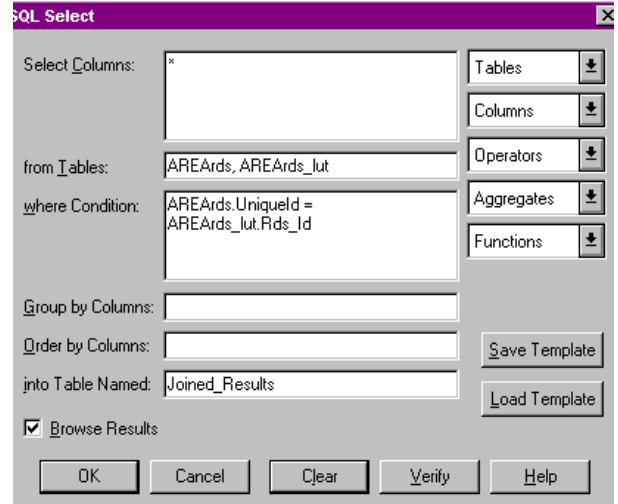


Figure 1: Joining MapInfo Tables

### ArcView

- With the project file open, click on the Window menu and select the project (*AREArds.apr*) to display the project window.
- With the project window now displayed select the 'Tables' icon. Click on the 'Add' button, locate and open the *AREArds\_lut* data table you wish to join.
- With the *AREArds\_lut* table displayed click on the field (*Rds\_Id*) that will be used to join the *AREArds\_lut* table to the *AREArds* data table. Now return to the View with the *AREArds* file.
- Click on the *AREArds* theme in the legend to make it active.
- Click on the 'Open Theme Table' button to display the *AREArds* attribute table (or choose Theme from the Table menu).
- Click on the field that will be used to join the *AREArds* data table (*UniqueId*).
- Finally, click on the Join button (or choose Join from the Table menu)

When you scroll along the *AREArds* attribute table you will notice the *AREArds\_lut* data has been joined. Additional data tables can be joined, so that many table attributes can be shown at one time. To undo the joins between the data tables click on the *AREArds* attribute table making it active and from the 'Table' menu select 'Remove All Joins'.

## Appendix E: Joining the rds Layer and rds\_lut Table (cont'd)

### ArcGIS

- Open the appropriate project file (AREArds.mxd).
- Select the 'Add Data' button to open the corresponding attribute data file (AREArds\_lut.dbf) you wish to join.
- Select the AREArds theme, right click and select 'Joins and Relates' selecting 'Join...' from the sub-menu of choices.
- Complete the 'Join Data' GUI as shown below using the Uniqueid and Rds\_Id fields as the common field between the tables. Once complete hit 'OK'.
- Once the join is complete select the AREArds theme, right click and select 'Open Attribute Table'. Once open, you can now scroll through the results of the join.
- Additional data tables can be joined, so that many table attributes can be shown at one time. To undo the joins between the data tables select the AREArds attribute table, right click and select 'Joins and Relates' selecting 'Remove Join(s)' from the sub-menu of choices. Select the table you wish to remove the join from the list provided (i.e. AREArds\_lut.dbf).

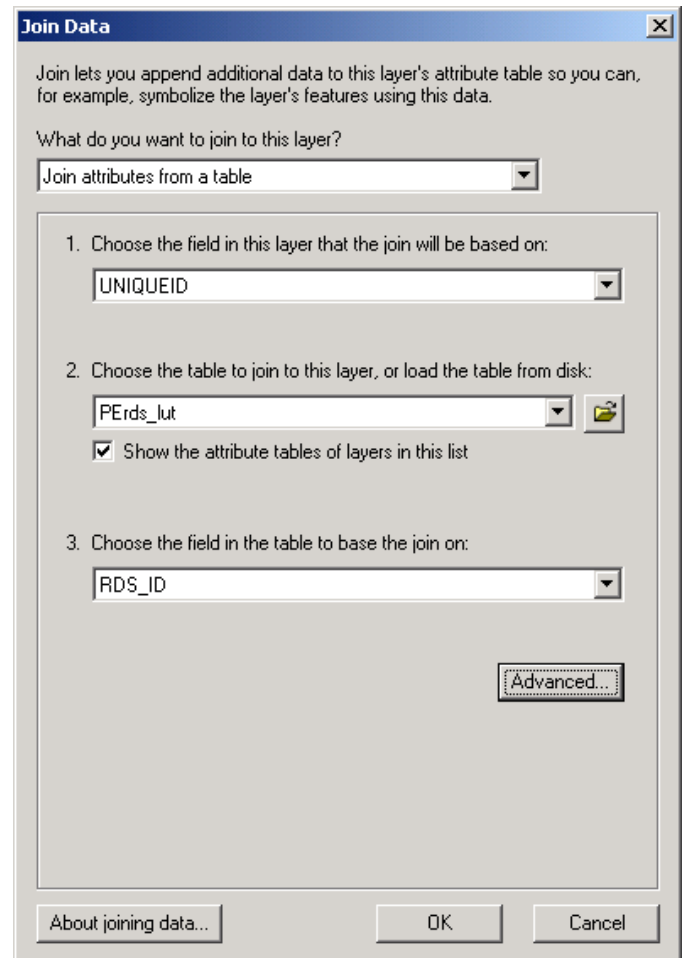


Figure 2: Joining Layers in ArcGIS.

## Appendix F: Frequently Asked Questions

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### Roads:

**Q: What is the level of accuracy that can be found throughout the Roads data?**

A: DMTI road segments are generally accurate up to 60cm in most urban areas, and as low as 15m-30m in rural areas.

As all CanMap segments have been referenced against digital sources, as well as satellite imagery, their accuracy may vary from the above statement for a number of different reasons, albeit at a very small scale:

- Lower-quality satellite imagery
- New roads created that do not exist in the most recent satellite imagery
- Improper referencing of existing satellite or aerial photography (due to lack of control points)

### PPN:

**Q: Is the PPN\_ID value in the PlaceNames layer reliable between versions?**

A: Yes, the PPN\_ID is a unique ID assigned to each record. This ID does not change for consistent records. If an ID is no longer in the table, the Place Name was identified as being no longer in use. If an ID is in a new version and not in an older version, the Place Name has just recently been added to our database.

**Q: Why aren't all Municipality names in the Municipality layer represented in the PlaceNames layer?**

A: The Municipality layer was originally created and based on Census Subdivisions (CSD). CSD's are classified into 55 types, many of which, are very large areas with dispersed populations. Some names therefore in the Municipality layer do not have PPN counterparts because they may not be 'populated places' as defined in the PPN product.

**Q: Why can I not find the Neighbourhood or Community I am looking for?**

A: The Neighbourhood and Community boundaries have been created based on currently available sources. As we continue to find more sources, additional Neighbourhood and Community boundaries will be added to subsequent releases.

### Parks:

**Q: Why are there multiple park polygons with the same name in the parks polygon layer?**

A: All multi-part park polygons (prp) have been disaggregated.

**Q: Why do some park centroids fall in water?**

A: Some parks are solely marine areas and thus do not have any land. Also, the CANwat file is a generalized version of the DMTI water product and will thus not have as many land features in which to place centroids.

## **Appendix G: 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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