



Canadian Urban Environmental Health Research Consortium

CANUE Metadata Postal Codes
2018-03-05

DATA SET INFORMATION

Data Set Title:	Annual DMTI Spatial Inc. single link postal code files
Description:	<p>These files contain postal code identifiers, locations, and associated descriptive attributes for each year on record.</p> <p>CANUE staff developed annual postal code files based on the CanMap Postal Code Suite v2016.3 file, using the following procedure:</p> <ol style="list-style-type: none"> 1) Select all postal codes identified as active for a specific year, using the BIRTH_DATE and RET_DATE fields. 2) From these, select only those flagged as 'single link' in order to facilitate a one-to-one data merge with health databases. <p>Each annual file therefore contains only those postal codes that were active in that year, and only those identified as the most representative location for the postal code area.</p> <p>See the following file for for additional details:</p>
	Data Dictionary CanMap Content Suite v2016.3.pdf
Theme Keywords:	Closest postal code, 6-digit postal code, nearest distance, delivery mode type, community name
Place Keywords:	Canada, national
Data preparation date:	2018-05-03
File Names	DMTI_SLI_YY.csv (were YY is the last two digits of a specific year).
File Type:	Comma separated values (.csv)
Beginning Date:	1983
End Date:	2016
Sampling Frequency of Data:	Annual
Number of Data Files:	34
File Size	Each file is between 75 MB and 150 MB in size. All files together total 3 GB.
Data Sources:	DMTI Spatial Inc. CanMap Postal Code Suite v2016.3. [computer file]
Spatial Resolution:	Individual 6-digit postal code locations
Detection Range or Limit:	N/A
Log of Changes:	2018-01-25: Field name POSTALCODE_YY changed to POSTALCODEYY.
	2018-01-25: Replaced blanks in numeric fields with -9999.
	2018-03-05: Added 2016 postal code file.
Maintenance Description:	New annual files will be added as they become available.

GEOSPATIAL REFERENCE

Geographic Coverage	Canada
West Bounding Coordinate	-140.875303 dd
East Bounding Coordinate	-52.654112 dd
North Bounding Coordinate	76.410808 dd
South Bounding Coordinate	41.735230 dd
Geometry Type:	Point
Coordinates have Z values:	No
Geographic Coordinate System:	GCS_WGS_1984
Datum	D_WGS_1984
Unit:	Decimal degrees



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QUALITY ASSESSMENT

QA/QC procedures:	CANUE did not assess the quality of the DMTI Spatial Inc. postal code data. Users should review the documentation provided in the recommended citation and in the supporting documentation listed below.
Geographic Coordinate Positional Accuracy:	Refer to 'POSITION_YY' field in the data dictionary below for more information on the geographic coordinate positional accuracy of the 6-digit postal codes. Postal code locations can represent many nearby residential locations and so have differing accuracy with respect to assigning exposure to individuals. The variables included in these files can assist in evaluating the representativeness of any particular postal code location. Refer to the following file for more information on using the metrics included in these files: CANUE Postal Code User Guide.pdf
Vertical Positional Accuracy:	N/A
Attribute Accuracy:	N/A
Data Validity :	NoData = -9999 for numeric fields and NULL for text fields
Associated Files:	N/A
Data Comment:	N/A
Data Comment:	N/A

SUPPORTING DOCUMENTATION

Additional documentation:	
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Field Name (YY = last two digits of specific year of data):	Description	Data Type
POSTALCODEYY	6 digital postal code with no space between the FSA and LDU. (i.e. L1R2H2)	Text
PROV_YY	2 letter alpha abbreviation (Canada Post) according to the first letter of the postal code (i.e. L1R2H2 = ON).	Text
COMM_NAME_YY	Community name	Text
MUNICIPAL_YY	Municipality name	Text
BIRTH_DATE_YY	Date when the postal code became active (YYYYMMDD format).	Date
RET_DATE_YY	Date when a postal code was retired or no longer in use by Canada Post Corporation (YYYYMMDD format)	Date
DOM_DELMDE_YY	Dominant Delivery Mode Type identifying the primary type of delivery service for Active Postal Code records only: CF = Call For; DR = Direct; GD = General Delivery, LB = Lock Box; LC = Letter Carrier; MR = Mobile Route; RR = Rural Route; SS = Suburban Service.	Text
TOTAL_POC_YY	Total Points of Call – the total number of points of call (apartments, businesses, houses and farms) served by the postal code for all delivery mode types for Active Postal Code records only.	Numeric
POC_APART_YY	Points of Call for Apartments – the total number of apartments served by the postal code for all delivery mode types for Active Postal Code records	Numeric
POC_BUS_YY	Points of Call for Businesses – the total number of businesses served by the postal code for all delivery mode types for Active Postal Code records only.	Numeric
POC_HOUSE_YY	Points of Call for Houses – the total number of houses served by the postal code for all delivery mode types for Active Postal Code records only.	Numeric



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POC_FARM_YY	Points of Call for Farms – the total number of farms served by the postal code for all delivery mode types for Active Postal Code records only.	Numeric
PC_COUNT_YY	Total number of Postal Code point records associated with each postal code. Records with more than one point location used a single link indicator (SLI) to identify the main postal code record.	Numeric
POSITION_YY	Identifies the method used to geographically position the interpolated coordinate: 10 = Centroid of Building Footprint; 11 = Building/Unit Entrance (Main); 12 = Building Driveway; 20 = Centroid of Parcel; 21 = Inside Parcel; 22 = Along Parcel Front Line.	Category
LONGITUDE_YY	Longitude of postal code (decimal degrees)	Numeric
LATITUDE_YY	Latitude of postal code (decimal degrees)	Numeric
MULTI_ST_YY	Flag indicates where a postal code is associated to multiple streets (1 means multiple streets, 0 means single street).	Binary
NEAR_DIST_YY	Distance in meters to the nearest or closest postal code	Numeric
NEAR_X_YY	Interpolated longitude in decimal degrees of the nearest postal code.	Numeric
NEAR_Y_YY	Interpolated latitude in decimal degrees of the nearest postal code.	Numeric
NEAR_PC_YY	Nearest 6-digit postal code data with no space (i.e. L1R2H2).	Text

DATA SET CONTACTS

Data Support:	Contact CANUE via the email below.
Email:	info@canue.ca
Affiliated Organization:	CANUE (Canadian Urban Environmental Health Research Consortium)
	Dalla Lana School of Public Health, University of Toronto
Website:	www.canue.ca
City:	Toronto
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Country:	Canada
Exposure Data Source Contact:	
Email:	
Phone:	
First Name:	
Last Name:	
Affiliated Organization:	
City:	
Prov/State:	
Country:	



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DATA USE CONDITIONS

<p>Conditions of Use:</p>	<p>The Data User is REQUIRED:</p> <ul style="list-style-type: none"> (i) to acknowledge data sources listed under Acknowledgement(s); (ii) cite the publication(s) listed under Recommended Citation(s) as the providers and source of these data when using them in support of research, analysis, operations, policy decision or any other undertaking including publication; and (iii) complete and sign the CANUE Data Use and Sharing Agreement, in which the name and signature of the researcher/analyst who takes responsibility for ensuring all conditions are met.
<p>Data Sharing Restrictions:</p>	<p>These data files are provided solely for the purposes stated in the CANUE Data Sharing and Use Agreement and should not be re-distributed for any reason. These data also contain proprietary postal code data and may only be used for the project named in the CANUE Data Sharing and Use Agreement.</p> <p>Data can be shared only within a project team, with those members who have access to a Research Data Centre (RDC) or are affiliated with an academic institution for the exclusive purposes of teaching, academic research and publishing, and/or planning of educational services in accordance to DMTI End User Agreement associated with the Spatial Mapping Academic Research Tools (SMART) Program.</p>
<p>Required Citation:</p>	<p>Include the following references in any publication, reports or presentations resulting from the use of these data:</p> <ul style="list-style-type: none"> 1). CanMap Postal Code Suite v2016.3. [computer file] Markham: DMTI Spatial Inc., 2016.
<p>Acknowledgment:</p>	<p>Include the following acknowledgements:</p> <ul style="list-style-type: none"> 1). Postal code data were provided by DMTI Spatial Inc, via the Canadian Urban Environmental Health Research Consortium (CANUE) under the current Data Liberation Initiative in place with Canadian Universities. Nearest postal code attributes were calculated and appended by CANUE staff.