Canadian Urban Environmental Health Research Consortium

CANUE Metadata Postal Codes
2019-06-18

DATA SET INFORMATION	
Data Set Title:	**Annual DMTI Spatial Inc. single link postal code files**
Description:	These files contain postal code identifiers, locations, and associated descriptive attributes for each year on record. CANUE staff developed annual postal code files from 1983 to 2015 based on the CanMap Postal Code Suite v2015.3 file using the following procedure: 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. All postal code locations from 1983 to 2015 use the coordinate locations from the CanMap Postal Code Suite v2015.3. In subsequent years from 2016 onward, the same procedures are used to remove retired postal codes (RET_DATE) from the annual file and add new postal code locations based on the BIRTH_DATE. From 2016 onward, new postal code locations are assigned the coordinate locations of their birth year. CANUE maintains these coordinate locations for the postal code until such date that it is retired from use. Each annual file 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.
	Data_Dictionary_CanMap_Content_Suite_v2016.3.pdf
Theme Keywords:	6-digit postal code, 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:	2017
Sampling Frequency of Data:	Annual
Number of Data Files:	35
File Size	Each file is between 75 MB and 150 MB in size. All files together total 2 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.
	2018-07-11: Updated code definition for Position_YY variable.
	2018-10-31: Removed fields: MUNICIPAL_YY, TOTAL_POC_YY, POC_APART_YY, POC_BUS_YY, POC_HOUSE_YY, POC_FARM_YY, NEAR_DIST_YY, NEAR_X_YY, NEAR_Y_YY, NEAR_PC_YY
	2018-10-31: Added fields: PDC_YY, UPDATE_YY
	2018-10-31: As of 2016, the fields LATITUDE_YY, LONGITUDE_YY use high
	2019-18-2019: Updated metadata document to reflect data format order
Maintenance Description:	New annual files will be added as they become available.

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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
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:	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.
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:	
DATA DICTIONARY	

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
LONGITUDE_YY	Longitude of postal code (decimal degrees) as of update year	Numeric
LATITUDE_YY	Latitude of postal code (decimal degrees) as of update year	Numeric
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
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 as of update year 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

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PC_COUNT_YY	Total number of Postal Code point records associated with each single link postal code point as of update year. Especially in rural areas, there may be a number of point records for the same postal code across a large area. In these cases, the exposure assignment using the single link location may be less accurate. When used in combination with MULTI_ST_YY, these variables can be used to flag exposures that may be less accurate.	Numeric
MULTI_ST_YY	Flag indicates where a postal code is associated to multiple streets (1 means multiple streets, 0 means single street as of update year.	Binary
POSITION_YY	Use for all locations 1984 to 2015 inclusive: Identifies the method used to geographically position the interpolated coordinate, from most accurate (1) to least accuratge (5): 1 = block face (high) 2 = block face (low) 3 = local delivery unit centroid 4 = forward sortation area centroid 5 = populated placename point	Category
PDC_YY	Use for all locations 2016 onward: Position Determination Code indicating the method used to geographically position the High Precision 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; 0 = high precision coordinates not available, interpolated coordinates used.	Numeric
UDPDATE_YY	Year of the master postal code file from which all field information for the postal code was obtained.	Numeric

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
Prov/State:	Ontario
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

Conditions of Use:	The Data User is REQUIRED: (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.
Data Sharing Restrictions:	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. Data can be shared only within a project team 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.
Required Citation:	Include the following references in any publication, reports or presentations resulting from the use of these data: 1). CanMap Postal Code Suite v2015.3. [computer file] Markham: DMTI Spatial Inc., 2015. 2). CanMap Postal Code Suite v2016.3. [computer file] Markham: DMTI Spatial Inc., 2016.
Acknowledgment:	Include the following acknowledgements: 1). Postal code data were provided by DMTI Spatial Inc, via the Canadian Urban Environmental Health Research Consortium (CANUE) under the current SMART Agreement in place with Canadian Universities.