



Canadian Urban Environmental Health Research Consortium

CANUE Metadata Postal Codes V1.0
2017-10-23

DATA SET INFORMATION

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| 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 v2015.3 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 v2015 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: | 7/1/2017 |
| 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: | 2015 |
| Sampling Frequency of Data: | Annual |
| Number of Data Files: | 33 |
| File Size | Each file is between 130 MB and 200 MB in size. All five files together total 5.5 GB. |
| Data Sources: | DMTI Spatial Inc. CanMap Postal Code Suite v2015.3. [computer file] |
| Spatial Resolution: | Individual 6-digit postal code locations |
| Detection Range or Limit: | N/A |
| Log of Changes: | N/A |
| Maintenance Description: | New annual files will be added as they become available. |

GEOSPATIAL REFERENCE

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|-------------------------------|-----------------|
| 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

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| 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 V1.0.pdf |
| Vertical Positional Accuracy: | N/A |
| Attribute Accuracy: | N/A |
| Data Validity : | N/A |
| Associated Files: | N/A |
| Data Comment: | N/A |
| Data Comment: | N/A |

SUPPORTING DOCUMENTATION

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| Additional documentation: | |
|---------------------------|--|

| Field Name (YY = last two digits of specific year of data): | Description | Data Type |
|---|--|-----------|
| POSTALCODE_YY | 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 |
| NEAREST_DIST_YY | Distance in meters to the nearest or closest postal code | Numeric |
| NEAREST_LON_YY | Interpolated longitude in decimal degrees of the nearest postal code. | Numeric |
| NEAREST_LAT_YY | Interpolated latitude in decimal degrees of the nearest postal code. | Numeric |
| NEAREST_PC_YY | Nearest 6-digit postal code data with no space (i.e. L1R2H2). | Text |

DATA SET CONTACTS

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| 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: | |

DATA USE CONDITIONS

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| Conditions of Use: | <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. |
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| Data Sharing Restrictions: | <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> |
| Required Citation: | <p>Include the following references in any publication, reports or presentations resulting from the use of these data:</p> <ol style="list-style-type: none">1). CanMap Postal Code Suite v2015.3. [computer file] Markham: DMTI Spatial Inc., 2015. |
| Acknowledgment: | <p>Include the following acknowledgements:</p> <ol 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. |