POSTAL CODE^{OM} LATITUDE/LONGITUDE DATA TECHNICAL SPECIFICATIONS

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TECHNICAL SPECIFICATIONS

INTRODUCTION

The Postal Code Latitude/Longitude data product provides geographic coordinates at the Postal Code level.

GENERAL SPECIFICATIONS

Media

The **Postal Code^{OM} Lat/Long Data** is provided in ASCII character set and users can access this data from the Canada Post FTP site with a user ID and password supplied by Canada Post.

FILE DESCRIPTIONS

The **Postal Code^{OM} Lat/Long** product contains the following files:

Postal Code Unique

The Postal Code Unique file contains unique coordinates per postal codes.

Postal Code Multiple

The Postal Code Multiple file contains unique coordinates for urban postal codes and multiple enhanced coordinates for rural postal codes.

FILE SPECIFICATIONS

Postal Code Unique

Logical record length:	152 characters
File name:	**PCGEOUNIQ_<<date>>.txt**

Postal Code Multiple

Logical record length:	287 characters
File name:	**PCGEOMULTI_<<date>>.txt**

TECHNICAL SPECIFICATIONS

Record Descriptions

Postal Code Unique

COLUMN NAME	DESCRIPTION	STARTING POSITION	LENGTH
OBJECTID	Unique ID	1	7
PC_DISP_NME	Postal Code with Space	8	7
FSALDU	Postal Code no Space	15	6
LATITUDE	Latitude decimal degrees	21	20
LONGITUDE	Longitude decimal degrees	41	20
CONFIDENCE SCORE	Confidence Score	61	1
FSA	FSA	62	3
CMANAME	Census Metropolitan Area name	65	80
PRNAME	Province name	145	2
TOTAL RES	The number of houses and apartments served by the Postal Code	147	5
ACTION CODE	Action Code	152	1

Postal Code Multiple

DESCRIPTION	DESCRIPTION	STARTING POSITION	LENGTH
OBJECTID	Unique ID	1	7
PC_DISP_NME	Postal Code with space	8	7
FSALDU	Postal Code no space	15	6
COMMNAME	Rural Enhanced Community Names	21	80
LATITUDE	Latitude decimal degrees	101	20
LONGITUDE	Longitude decimal degrees	121	20
CONFIDENCE SCORE	Confidence Score	141	1
FSA	Forward Sortation Area	142	3
DIRECTORY	Greater Municipality includes alternates	145	30
MUNICIPALITY_NAME	Municipality includes alternate	175	30
CMANAME	Census Metropolitan Area name	205	80
PRNAME	Province name	285	2
ACTION CODE	Action Code	287	1

DATA DICTIONARY – ELEMENT DESCRIPTIONS

Following will be a listing of all record elements for all record types within the Record Descriptions. Each element will include a brief definition and valid codes where applicable.

Elements

UNIQUE ID	Unique Identifier
ACTION CODE	A code indicating whether there has been any change within the record since the production of the last issue. The valid values are: Space = no change A = added record D = deleted record
ALTERNATE MUNICIPALITY	Alternate names, alternate spellings, and abbreviations for many of the municipality names contained within the address lookup file.
CENSUS METROPOLITAN AREA (CMANAME)	Area consisting of one or more neighbouring municipalities situated around a core. A census metropolitan area must have a total population of at least 100,000 of which 50,000 or more live in the core. A census agglomeration must have a core population of at least 10,000
COMMUNITY NAME (COMM NAME)	The rural community name; denotes any city, town or village in Canada
CONFIDENCE SCORE	Confidence Score Identifies accuracy of the coordinates 1 = < 50 meters (Urban only) 2 = < 322 meters 3 = < 500 meters 4 = other geocoding methods
DIRECTORY	The major community or greater municipality grouping that contains the street address or its delivery installation.
FSA (FORWARD SORTATION AREA)	The FSA comprises the first three characters of a Postal Code. The FSA qualifies the area within a municipality that is permitted to use the valid alternate municipality name.

POSTAL CODE	Postal Code is a six character, alphanumeric combination (ANA NAN) assigned to one or more postal address. The Postal Code is an integral part of every postal address in Canada and is required for the mechanized processing of mail. Postal codes are also used to identify the various CPC processing facilities, and delivery installations. *Postal Code is an official mark of Canada Post Corporation.
LATITUDE	This is the latitude, in decimal degrees, of the FSA, dissemination area, dissemination block, or block-face representative point. The decimal point is explicit.
LONGITUDE	This is the longitude, in decimal degrees, of the FSA, dissemination area, dissemination block, or block-face representative point. The decimal point is explicit.
MUNICIPALITY	A municipality is any city, town or village in Canada that is recognized as a valid mailing address by Canada Post.
PROVINCE NAME	An alphabetic code listing the province or territory's position geographically. The valid values are: NL = Newfoundland and Labrador NS = Nova Scotia PE = Prince Edward Island NB = New Brunswick QC = Quebec ON = Ontario MB = Manitoba SK = Saskatchewan AB = Alberta BC = British Columbia NT = Northwest Territories YT = Yukon NU = Nunavut