



Digital Polling Division and Electoral District Boundary Files

Technical Guide

September 2009

Introduction

The digital Electoral District and Polling Division boundary files provided on the CD-ROM are made available from Elections Canada. The CD-ROM contains the digital federal electoral districts under the Representation Order of 2003.

CD-ROM Content

EGD Data Layers	Description File Format ESRI Shape
PD_A	Polling Division boundaries
PD_P	Polling Division locations (Single Building and Mobile Polls)
FED_A	Federal Electoral District

Database Specifications

General

Arc/Info file format:	Version 8 compliant
Precision:	DOUBLE PRECISION
Datum:	NAD83 CNT
Projection:	LAMBERT CONFORMAL
Spheroid:	GRS 1980
Units:	METERS

Projection Parameters

1st standard parallel:	49 0 0.000
2nd standard parallel:	77 0 0.000
Central meridian:	-91 52 0.000
Latitude of projection's origin:	63 23 26.430
False easting (meters):	6200000.00000
False northing (meters):	3000000.00000

Tolerance values

Fuzzy:	0.003
Dangle:	0.000

POLLING DIVISION BOUNDARIES

Layer Name:	PD_A
Layer Feature Description:	Polling Division Boundaries for a Federal Electoral District
Layer Feature type(s):	Polygons

Business Table Description

Table Name:	<i>PD_A</i>
Table Description:	Table containing the Polling Division Polygon attributes.
Table Location	DBF
Related Table(s)	None

Table Definition

ITEM NAME	DATA TYPE
AREA	NUMBER(19)
PERIMETER	NUMBER(19)
PD_ID	NUMBER(9)
PD_NUM	NUMBER(9)
PD_NBR_SFX	VARCHAR2(6)
PD_TYPE	VARCHAR2(1)
ADV_POLL	VARCHAR2(3)
ED_ID	NUMBER(9)
FED_NUM	NUMBER(9)
A_UPDT_DTE	DATE
G_UPDT_DTE	DATE
EMRP_NAME	VARCHAR2(120)

Attribute Definition

ITEM NAME	Description
PD_ID	Elections Canada unique identifier for Polling Divisions.
PD_NUM	Polling Division number.
PD_NBR_SFX	Polling Division suffix.
PD_TYPE	Type of the Polling Division. Value is "N" for Normal.
ADV_POLL	Number of the Advance Poll the Polling Division refers to.
ED_ID	Elections Canada unique identifier for the Federal Electoral District.
FED_NUM	Federal Electoral District number.
A_UPDT_DTE	Date stamp of the last attribute modification.
G_UPDT_DTE	Date stamp of the last geometric modification.
EMRP_NAME	Concatenation of PD_NUM, "-" and PD_NBR_SFX.
SHAPE_AREA	Area of the polygon (in meters).
SHAPE_LEN	Perimeter of the polygon (in meters).

POLLING DIVISION LOCATIONS

Layer Name:	PD_P
Layer Feature Description:	Polling Division locations for a Federal Electoral District - Single Building and Mobile Polls.
Layer Feature type(s):	Points

Business Table Description

Table Name:	<i>PD_P</i>
Table Description:	Table containing the Polling Division Point attributes.
Table Location	DBF
Related Table(s)	None

Table Definition

ITEM NAME	DATA TYPE
PD_ID	NUMBER(9)
PD_NUM	NUMBER(9)
PD_NBR_SFX	VARCHAR2(6)
PD_TYPE	VARCHAR2(1)
ADV_POLL	VARCHAR2(3)
ED_ID	NUMBER(9)
FED_NUM	NUMBER(9)
A_UPDT_DTE	DATE
G_UPDT_DTE	DATE
EMRP_NAME	VARCHAR2(120)
MOBILE_POLL_STN_ID	NUMBER(8)
SBPD_ADDRESS_ID	NUMBER(8)
ADDRESS_ID	NUMBER(38)
ST_ADR_NBR	VARCHAR2(6)
ST_ADR_NBR_SFX_CDE	VARCHAR2(1)
STREET_ID	NUMBER(8)
ST_NME	VARCHAR2(50)
ST_TYP_CDE	VARCHAR2(6)
ST_DRCTN_CDE	VARCHAR2(3)
FROM_STE_NBR	VARCHAR2(6)
TO_STE_NBR	VARCHAR2(6)
FROM_FLOOR	VARCHAR2(5)
TO_FLOOR	VARCHAR2(5)
BLDG_NAMEE	VARCHAR2(60)
BLDG_NAMEF	VARCHAR2(60)
OLD_PD_ID	NUMBER(9)

Attribute Definition

ITEM NAME	Description
PD_ID	Elections Canada unique identifier for Polling Divisions.
PD_NUM	Polling Division number.
PD_NBR_SFX	Polling Division suffix.
PD_TYPE	Type of the Polling Division. Values are "S" for Single Building Polling Division and "M" for Mobile Polls.
ADV_POLL	Number of the Advance Poll the Polling Division refers to.

ED_ID	Elections Canada unique identifier for the Federal Electoral District.
FED_NUM	Federal Electoral District number.
A_UPDT_DTE	Date stamp of the last attribute modification.
G_UPDT_DTE	Date stamp of the last geometric modification.
EMRP_NAME	Concatenation of PD_NUM, “-“ and PD_NBR_SFX.
MOBILE_POLL_STN_ID	Identifier of the Corporate Database record indicating the location of the Mobile Poll point. Set to NULL if the point is a Single Building Polling Division.
SBPD_ADDRESS_ID	Identifier of the Corporate Database record indicating the location of the Single Building Polling Division point. Set to NULL if the point is a Mobile Poll.
ADDRESS_ID	Unique identifier of the address record. May be null if the Single Building Polling Division only has a mailing address.
ST_ADR_NBR	Civic number.
ST_ADR_NBR_SFX_CDE	Civic number suffix.
STREET_ID	Identifier of the street.
ST_NME	Street name of the point’s address.
ST_TYP_CDE	Street type of the point’s address.
ST_DRCTN_CDE	Street direction of the point’s address.
FROM_STE_NBR	<i>From</i> suite number. May be null if the entire building is making up the Single Building Polling Division.
TO_STE_NBR	<i>To</i> suite number. May be null if the entire building is making up the Single Building Polling Division.
FROM_FLOOR	<i>From</i> floor number. May be null if the entire building is making up the Single Building Polling Division.
TO_FLOOR	<i>To</i> floor number. May be null if the entire building is making up the Single Building Polling Division.
BLDG_NAMEE	Optional building name. (English)
BLDG_NAMEF	Optional building name. (French)
OLD_PD_ID	PD_ID value of corresponding point in the former Polling Division vintage.

FEDERAL ELECTORAL DISTRICT BOUNDARIES

Layer Name:	FED_A
Layer Feature Description:	Federal Electoral Districts for Canada
Layer Feature type(s):	Polygons

Business Table Description

Table Name:	<i>FED_A</i>
Table Description:	Table containing the Federal Electoral District Polygon attributes.
Table Location	DBF
Related Table(s)	None

Table Definition

ITEM NAME	DATA TYPE
FED_NUM	NUMBER(9)
ENNAME	VARCHAR2(100)
FRNAME	VARCHAR2(100)

Attribute Definition

ITEM NAME	Description
FED_NUM	Federal Electoral District number.
ENNAME	Federal Electoral District name. (English)
FRNAME	Federal Electoral District name. (French)