



Canadian Geopolitical Boundaries, Level 1 Feature Catalogue

Edition 1.1

2004-05-28

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GeoBase®

REVISION HISTORY

Date	Version	Description
January - 2003	1.0	Original version
2004-05-17	1.0	Correction to spelling.
2004-05-28	1.1	Corrections to the content, to spelling and to the text format

FUTURE WORK

Key word	Description

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ACRONYMS AND ABBREVIATIONS

TERMS AND DEFINITIONS

Perceptory

An application software developed by Laval University (Québec, Canada) to produce feature catalogues.

Feature Catalogue

Name: Canadian Geopolitical Boundaries, Level 1

Scope: GeoBase (Canadian Base Data)

Field of Application: Diverse

Version Number: 1.1

Version Date: 2004-05-28

Feature Catalogue Producer:

Producer Name: Natural Resources Canada

Producer Postal Address: 615 Booth Street, Ottawa, Ontario

Producer Country: Canada

Producer Telecom Address: Canada

FEATURE TYPE: Administrative boundary segment

Feature Type Name:	Administrative boundary segment
Feature Type Definition:	Administrative boundaries may be segmented due to changes in attributes. This class represents the segments (individual simple line features) that form an administrative boundary.
Feature Type Code:	Null
Feature Type Aliases:	Null
Feature Operation Names:	
Feature Attribute Names:	Universal unique identifier, Type, Status, Source Agency, Source Description, Accuracy, Last update date, Last update type, Previous update date.
Feature Association Names:	Administrative boundary segment Bounds Administrative area.
Subtype of:	

Feature Attribute: Universal unique identifier

Name:	Universal unique identifier
Definition:	A universal unique identifier for each boundary line segment (feature). The unique identifier can be used by all users to determine what boundary lines have been added or deleted.
Code:	UUID
Value Data Type:	Character (36)
Value Measure Unit:	Null
Value Domain Type:	
Value Domain:	
Feature Attribute Values:	

Feature Attribute: Type

Name:	Type
Definition:	The type of boundary. All boundary segments that form a same boundary have the same type.
Code:	TYPE_E
Value Data Type:	Character (10)
Value Measure Unit:	Null
Value Domain Type:	Enumerated
Value Domain:	

Feature Attribute Values:

Label -----	Code -----	Definition -----
EEZ - 200 n.mi.	EEZ_200	Limit of Exclusive Economic Zone 200 nautical miles offshore from the baselines defined in Territorial Sea Geographical Coordinates Order.
EEZ - Agreement	EEZ_BB	Limit of the Exclusive Economic Zone pursuant to bilateral boundary agreement.
International	INTERN	International boundary
Province/Territory	PROV/TERR	Provincial or territorial boundary

Feature Attribute: Status

Name:	Status
Definition:	The status of the boundary segment (agreed or unofficial).
Code:	STATUS
Value Data Type:	Character (10)
Value Measure Unit:	Null
Value Domain Type:	Enumerated
Value Domain:	

Feature Attribute Values:

Label -----	Code -----	Definition -----
Legislated survey	LEGIS_SUR	A portion of a boundary where legislation declares surveyed line as true boundary position.

Survey	SURVEY	A portion of a boundary that is defined by survey but not declared by legislation.
Legislation description	LEGIS_DESC	A portion of a boundary that is the subject of a legislation, but has not been surveyed and demarcated on the ground.
Non-legislated agreement	NONLEG_AGR	A portion of a boundary based on a non-legislated agreement between adjacent jurisdictions.
Judicial decision	JUDICL_DEC	A portion of a boundary based on judicial decision establishing position of boundary.
Unresolved boundary	UNRESOLVED	A portion of a boundary where the geo-position is still unresolved.
Data Unavailable	UNAVAILABL	Unavailable geo-position of boundary line.

Feature Attribute: Source Agency

Name Source Agency

Definition: The agency that has provided the source data for the corresponding feature.

Code: SRC_AGENCY

Value Data Type: Character (10)

Value Measure Unit: Null

Value Domain Type: Enumerated

Value Domain:

Feature Attribute Values:

Label	Code	Definition
-----	-----	-----
NRCAN	NRCAN	Natural Resources Canada
EC	EC	Elections Canada
DFO	DFO	Fisheries and Oceans Canada
IBC	IBC	International Boundary Commission
ON	ON	Province of Ontario
AB	AB	Province of Alberta
BC	BC	Province of British Columbia
SK	SK	Province of Saskatchewan
MB	MB	Province of Manitoba
PE	PE	Province of Prince Edward Island
NS	NS	Province of Nova Scotia
NL	NL	Province of Newfoundland and Labrador
NB	NB	Province of New Brunswick
YT	YT	Yukon Territory
NT	NT	Northwest Territories
NU	NU	Nunavut

Feature Attribute: Source Description

Name: Source description

Definition: This is a text to refer to an existing agreement or legislation.

Code: SRC_DESC

Value Data Type: Character (254)

Value Measure Unit: Null

Value Domain Type:

Value Domain:

Feature Attribute Values:

Feature Attribute: Accuracy

Name: Accuracy

Definition: The absolute accuracy category of the administrative boundary segment.

Code: ACCUR

Value Data Type: Character (7)

Value Measure Unit: Null

Value Domain Type: Enumerated

Value Domain:

Feature Attribute Values:

Label -----	Code -----	Definition -----
<=10	10	Better or equal to 10 metres
<=100	100	Better or equal to 100 metres
<=250	250	Better or equal to 250 metres
<=500	500	Better or equal to 500 metres
<=1200	1200	Better or equal to 1200 metres
Unknown	UNKNOWN	Accuracy unknown

Feature Attribute: Last update date

Name:	Last update date
Definition:	The date the line feature was created or last time it was modified. This attribute can be used by users to determine what features have been modified, by comparison with the last update date of their own version of the data.
Code:	L_UPD_DATE
Value Data Type:	Date
Value Measure Unit:	Null
Value Domain Type:	
Value Domain:	
Feature Attribute Values:	

Feature Attribute: Last update type

Name:	Last update type
Definition:	The last type of update that was made to the feature. The possible values are: first creation, geometry, attribute, or geometry and attribute.
Code:	L_UPD_TYPE
Value Data Type:	Character (2)
Value Measure Unit:	Null
Value Domain Type:	Enumerated
Value Domain:	
Feature Attribute Values:	

Label	Code	Definition
-----	-----	-----
Creation	C	First creation of the administrative boundary segment
Geometry	G	Change in geometry
Attribute	A	Change in any of attribute values
Geometry and attribute	GA	Change in both the geometry and attribute values

Feature Attribute: Previous update date

Name:	Previous update date
Definition:	The date when the previous update was made.
Code:	P_UPD_DATE
Value Data Type:	Date
Value Measure Unit:	Null
Value Domain Type:	
Value Domain:	
Feature Attribute Values:	

Feature Association: Administrative boundary segment Bounds Administrative area

Name:	Administrative boundary segment Bounds Administrative area
Definition:	This is a geometric relationship. The shape of the administrative boundary vertically aligns with the corresponding administrative boundary segments.
Code:	Null
Feature Type Included:	Administrative area, Administrative boundary segment
Order Indicator:	Null
Constraints:	Null
Role Name:	Administrative area is a polygon that corresponds to geopolitical jurisdictional areas of Canada (i.e. provinces, territories). Administrative boundary segment is a line segment bounding the administrative area.

FEATURE TYPE: Administrative area

Feature Type Name:	Administrative area
Feature Type Definition:	This class represents an administrative area.
Feature Type Code:	Null
Feature Type Aliases:	Null
Feature Operation Names:	
Feature Attribute Names:	Universal unique identifier, Code, Type, Name, Last update date, Last update type, Previous update date.
Feature Association Names:	Administrative area Bounded by Administrative boundary segment
Subtype of:	

Feature Attribute: Universal unique identifier

Name:	Universal unique identifier
Definition:	A universal unique identifier is given to each administrative area.
Code:	UUID
Value Data Type:	Character (36)
Value Measure Unit:	Null
Value Domain Type:	
Value Domain:	

Feature Attribute: Type

Name:	Type
Definition:	The type of administrative area.
Code:	TYPE_E
Value Data Type:	Character (10)
Value Measure Unit:	Null
Value Domain Type:	Enumerated
Value Domain:	

Feature Attribute Values:

Label -----	Code -----	Definition -----
Province	PROV	Province
Territory	TERR	Territory
Canada Offshore	OFFS	Canada's Offshore Areas seaward of baselines
Canada	CAN	Canada

Feature Attribute: Name

Name:	Name
Definition:	The name of administrative area.
Code:	NAME
Value Data Type:	Character (50)
Value Measure Unit:	Null
Value Domain Type:	
Value Domain:	
Feature Attribute Values:	

Feature Attribute: Source Agency

Name:	Source Agency
Definition:	The agency that has provided the source data for the corresponding feature.
Code:	SRC_AGENCY
Value Data Type:	Character (10)
Value Measure Unit:	Null
Value Domain Type:	Enumerated
Value Domain:	
Feature Attribute Values:	

Label -----	Code -----	Definition -----
NRCAN	NRCAN	Natural Resources Canada

Feature Attribute: Last update date

Name:	Last update date
Definition:	The date the administrative area was created or last time it was modified in

GeoBase. This attribute can be used by users to determine what features have been modified, by comparison with the last update date of their own version of the data.

Code: L_UPD_DATE

Value Data Type: Date

Value Measure Unit: Null

Value Domain Type:

Value Domain:

Feature Attribute Values:

Feature Attribute: Last update type

Name: Last update type

Definition: The last type of update that was made to the administrative area polygon. The possible values are: first creation, geometry, attribute or geometry and attribute.

Code: L_UPD_TYPE

Value Data Type: Character (2)

Value Measure Unit: Null

Value Domain Type: Enumerated

Value Domain:

Feature Attribute Values:

Label -----	Code -----	Definition -----
Creation	C	First creation of the administrative area
Geometry	G	Change in geometry
Attribute	A	Change in any of attribute values
Geometry and attribute	GA	Change in both the geometry and attribute values

Feature Attribute: Previous update date

Name: Previous update date

Definition: The date the previous update was made.

Code: P_UPD_DATE

Value Data Type: Date

Value Measure Unit: Null

Value Domain Type:

Value Domain:

Feature Attribute Values:

Feature Association: Administrative area Bounded by Administrative boundary segment

Name:	Administrative area Bounded by Administrative boundary segment
Definition:	This is a geometric relationship. The shape of the administrative boundary vertically aligns with the corresponding administrative boundary segments.
Code:	Null
Feature Type Included:	Administrative area, Administrative boundary segment
Order Indicator:	Null
Constraints:	Null
Role Name:	Administrative area is a polygon that corresponds to geopolitical jurisdictional areas of Canada (i.e. provinces, territories). Administrative boundary segment is a line segment bounding the administrative area.