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# National Topographic Data Base - GeoGratis

## Conversion of NTDB **Edition 3** Data into Shape Format (FME Translation)

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## 1- Context

The main purpose of using the shapefile format is to provide for transferring National Topographic Data Base (NTDB) data via a simple format that makes it easy to import NTDB graphics and attributes (nongraphic) into ArcView® software. The format allows users to read data directly if their geographic information system (GIS) or computer-assisted design (CAD) system can read data in the shapefile format.

A shapefile consists of four types binary files used by ArcView®, which is software produced by Environmental Systems Research Institute (ESRI) Inc. Moreover, ESRI® has made public a document that describes the shapefile format in detail. This document is entitled *ESRI Shapefile, a Technical Description, an ESRI White Paper (July 1998)*.

The information herein complements the manual provided to users by computer hardware and software dealers. Using this guide requires a good working knowledge of the shapefile format, ArcView®, and NTDB Standards and Specifications. Users who are not familiar with them should take the time to become so.

This guide is not a user manual for the shapefile format; it only describes the NTDB data profile in shapefile format.

## 2- NTDB Standards

NTDB data comply with NTDB standards versions 3.0 and 3.1 (re: *National Topographic Data Base, Standards and Specifications, Edition 3.1*).

Sections 11 and 12 of this guide describe in detail how attributes are conveyed in NTDB files in the shapefile format for data complying to NTDB standards edition 3.

## 3- Files

The information is transferred into the shapefile format by creating different files for each NTDB entity and geometric representation (point, line, and area). This makes it possible to comply with the shapefile format, which currently supports a single type of geometry per shapefile. The filename is made up of <NTS number>\_<stamp>\_<geometry>\_<extension>. These five parts combined with the file extension make up the full filename (eg: 031g01\_barrier\_p.shp).

In reality, the shapefile comprises four distinct physical files. These four files have the same name but different file extensions, namely ".shp", ".shx", ".dbf", and ".prj". The main file (.shp) contains the geometry of all the occurrences of an NTDB entity for a single type of geometric representation, that is, point, line, or area. In the index file (.shx), each record contains the offset of the corresponding main file record from the beginning of the main file. The dBASE® file (.dbf) or dBASE® table contains the attributes associated with the NTDB entity occurrences in the main file. Finally, the ".prj" file contains information about the reference system used and the cartographic projection parameters. ArcView® requires that these four types of files reside in the same directory.

In addition, each NTDB data set has a metadata file in ASCII format. These metadata provide information about the NTDB data set. The metadata file has the extension ".xml" or ".html". The filename is made of <product>\_<NTS number>\_<edition>\_<version>\_<fgdc>\_<language>\_<extension> (eg.: bndt\_031g01\_1\_0\_0\_fgdc\_en.xml).

## 4- Directories

A directory named after the product allows grouping of all data related to one particular product together. For the NTDB, this directory is called "bndt\_ntdb". All the files associated to the same NTDB data set are then compressed (using PKZIP software) into one single file, which name has four parts separated by an underscore character ("\_"). The filename is made <product>\_<identifier>\_<shape format>\_<language>\_<extension> (eg.: bndt\_031g01\_shp\_en.zip). All the files describing an NTDB data set in shapefile format and the associated metadata file (.xml and .html) are stored within this compressed file.

## 5- Coordinate System

NTDB data are available in geographical coordinates, therefore respecting the following:

- Coordinates in Longitude/Latitude;
- The NAD83 horizontal reference system;
- Coordinates (Long./Lat.) are in decimal degrees expressed with 8 digits after the decimal point (+-999.99999999).

## 6- Data Structure (Geometry)

Data structures transferred using Shapefile format, whenever possible, respects NTDB requirements. When required by standards, there is a connection (mathematical closure) between NTDB entities (points, lines, and areas) in the Shapefile.

Connection is explicit only in cases where a coordinate triplet associated to an entity occurrence has the same value as another coordinate triplet connected to it. In the case of a shared line, coordinates are duplicated; therefore, the same series of coordinates is found more than once in the file.

The third dimension (Z) is not transferred while converting NTDB data into Shapefile format. However the Z coordinate elevation value of the first vertex of the element is transferred (as an attribute value) to each NTDB entity occurrence in the Shapefile format.

## 7-Point Entities

### 7.1- Geometry of Point Entities and the Main File

The geometry of point entities is conveyed in the main file (.shp) as a "Point" shape type with a value of "1". The shape type "Point" consists of an ordered pair of X,Y coordinates.

The filename is made up of < NTS number >\_<stamp>\_<geometry>\_<extension>. These five parts combined with the file extension make up the full filename (eg: 031g01\_barrier\_p.shp).

### 7.2- Point Entities and the Index File

The filename is made up of < NTS number >\_<stamp>\_<geometry>\_<extension>. These five parts combined with the file extension make up the full filename (eg: 031g01\_barrier\_p.shx).

### 7.3- Point Entity Attributes and the dBASE® Table

The attributes associated with point entities are transferred in a dBASE® file or dBASE® table with the extension ".dbf".

The filename is made up of < NTS number >\_< stamp>\_<geometry>\_<extension>. These five parts combined with the file extension make up the full filename (eg: 031g01\_barrier\_p.dbf).

Each NTDB point entity has a minimum of 15 attributes, in addition to its specific fixed and variable attributes. They are listed in Table 1, *Point Entity Specific Attributes*. Attribute names are limited to 10 characters. The table provides the attribute type. "N(n,m)" is a number field, where "n" is the total number of digits (characters) allocated, including the decimal point, and "m" corresponds to the number of digits to the right of the point (decimals). When "m" equals zero, "N(n,0)" represents an integer. Also "C(n)" is a character field, where "n" indicates the maximum number of characters.

**Table 1 - Point Entity Specific Attributes**

|    | <b>Attribute Name</b>   | <b>Type</b>     | <b>Description and Values</b>   |
|----|---|-----------------|---|
| 1  | Shape   | N(32,0)*        | Shape type corresponding to the geometric representation of the entity. Point entities have the shape type "1" (Point).   |
| 2  | Entityname  | C(40)           | Name of the point entity transferred (see Section 11 or 12).  |
| 3  | Nts   | C(6)            | National Topographic System (NTS) data set number.  |
| 4  | Edition   | N(16,0)         | Data set edition.   |
| 5  | Version   | N(16,0)         | Data set version.   |
| 6  | Theme   | C(2)            | Code of the NTDB theme containing the entity.   |
| 7  | Id  | N(16,0)         | Unique identifier used to distinguish each entity occurrence.   |
| 8  | Code_gener  | N(16,0)         | Generic code associated with the point entity (see Section 11 or 12).   |
| 9  | Atc   | N(16,0)         | Explicit code associated with the entity and related to the combination of attribute values (see Section 11 or 12).   |
| 10 | Atg   | N(16,0)         | Geometric representation qualifier that indicates whether the planimetric position of the point is definite (1) or approximate (2).   |
| 11 | Atz   | N(16,0)         | Altimetric information indicator having the following possible values:<br>(0) incomplete altimetric information;<br>(1) altimetric information present;<br>(-1) no altimetric information.                                  |
| 12 | Ate   | N(16,0)         | Relative position indicator for an area. Its value for point entities is always "-1".   |
| 13 | Accuracy  | N(11,0)         | Planimetric accuracy of the point or, more specifically, of its position:<br>(> 0) entity with an accuracy;<br>(0) if the accuracy is not available;<br>(-1) if the accuracy is unknown or not applicable.                  |
| 14 | <i>"Fixed attribute(s) of the point entity, if applicable"</i>    | N(11,0)         | Some entities have one or more fixed attributes; other have none. When present, these attributes immediately follow the attribute "Accuracy".   |
| 15 | <i>"Variable attribute(s) of the point entity, if applicable"</i> | C(n)/<br>N(n,m) | Some entities have one or more variable attributes; other have none. When present, these attributes immediately follow the fixed attributes.  |
| 16 | Elevation   | N(31,15)        | Point elevation (Z). It has the same value as in the geometry file. If the Z value is unknown or unavailable, the altimetric information indicator "Atz" is set at "-1" and then it takes the value -9999.0000000000000000. |
| 17 | Angle   | N(31,15)        | Point angle of orientation. A value of "-1.0000000000000000" indicates that the angle is not supplied.  |

Each point entity is represented by the attributes specified in Table 1. Sections 11 and 12 provide the list of attributes for each entity, including their values.

\* Note that the value for attribute number 1 (Shape) in the above table is conveyed in the main file (.shp) instead of the dBASE® table (.dbf).

## 8- Linear Entities

### 8.1- Geometry of Linear Entities and the Main File

The geometry of linear entities is conveyed in the main file (.shp) as a "PolyLine" shape type with a value of "3". The "Polyline" shape type is an ordered set of vertices that consists of one or more parts. A part is a connected sequence of two or more points. Parts may or may not be connected to one another. Parts may or may not intersect one another.

The filename is made up of < NTS number >\_< stamp>\_<geometry>\_<extension>. These five parts combined with the file extension make up the full filename (eg: 031g01\_barrier\_1.shp).

### 8.2- Linear Entities and the Index File

The filename is made up of < NTS number >\_< stamp>\_<geometry>\_<extension>. These five parts combined with the file extension make up the full filename (eg: 031g01\_barrier\_1.shx)".

### 8.3- Linear Entity Attributes and the dBASE® Table

The attributes associated with linear entities are transferred in a dBASE® file or table with the extension ".dbf".

The filename is made up of < NTS number >\_< stamp>\_<geometry>\_<extension>. These five parts combined with the file extension make up the full filename (eg: 031g01\_barrier\_1.dbf).

Each NTDB linear entity has a minimum of 14 attributes, in addition to its specific fixed and variable attributes. They are listed in Table 2, *Linear Entity Specific Attributes*. Attribute names are limited to 10 characters. The table provides the attribute type. "N(n,m)" is a number field, where "n" is the total number of digits (characters) allocated, including the decimal point, and "m" corresponds to the number of digits to the right of the point (decimals). When "m" equals zero, "N(n,0)" represents an integer. Also "C(n)" is a character field, where "n" indicates the maximum number of characters.

**Table 2 - Linear Entity Specific Attributes**

|    | <b>Attribute Name</b>  | <b>Type</b>     | <b>Description and Values</b>   |
|----|--|-----------------|---|
| 1  | Shape  | N(32,0)*        | Shape type corresponding to the geometric representation of the entity. Linear entities have the shape type "3" (PolyLine).   |
| 2  | Entityname   | C(40)           | Name of the linear entity transferred (see Section 11 or 12).   |
| 3  | Nts  | C(6)            | National Topographic System (NTS) data set number.  |
| 4  | Edition  | N(16,0)         | Data set edition.   |
| 5  | Version  | N(16,0)         | Data set version.   |
| 6  | Theme  | C(2)            | Code of the NTDB theme containing the entity.   |
| 7  | Id   | N(16,0)         | Unique identifier used to distinguish each entity occurrence.   |
| 8  | Code_gener   | N(16,0)         | Generic code associated with the linear entity (see Section 11 or 12).  |
| 9  | Atc  | N(16,0)         | Explicit code associated with the entity and related to the combination of attribute values (see Section 11 or 12).   |
| 10 | Atg  | N(16,0)         | Geometric representation qualifier that indicates whether the planimetric position of the line is definite (1) or approximate (2).  |
| 11 | Atz  | N(16,0)         | Altimetric information indicator having the following possible values:<br>(0) incomplete altimetric information;<br>(1) altimetric information present;<br>(-1) no altimetric information.  |
| 12 | Ate  | N(16,0)         | Relative position indicator for an area. Its value for linear entities is always "-1".  |
| 13 | Accuracy   | N(11,0)         | Planimetric accuracy of the line or, more specifically, of its position:<br>(> 0) entity with an accuracy;<br>(0) if the accuracy is not available;<br>(-1) if the accuracy is unknown or not applicable.   |
| 14 | <i>"Fixed attribute(s) of the linear entity, if applicable"</i>    | N(11,0)         | Some entities have one or more fixed attributes; other have none. When present, these attributes immediately follow the attribute "Accuracy".   |
| 15 | <i>"Variable attribute(s) of the linear entity, if applicable"</i> | C(n)/<br>N(n,m) | Some entities have one or more variable attributes; other have none. When present, these attributes immediately follow the fixed attributes.  |
| 16 | Elevation  | N(31,15)        | Elevation (Z) of the first vertex of the line. It has the same value as in the geometry file. If the Z value is unknown or unavailable, the altimetric information indicator "Atz" is set at "-1" and then it takes the value "-9999.0000000000000000". |

Each linear entity is represented by the attributes specified in Table 2. Sections 11 and 12 provide the list of attributes for each entity, including their values.

\* Note that the value for attribute number 1 (Shape) in the above table is conveyed in the main file (.shp) instead of the dBASE® table (.dbf).

## 9- Surficial Entities

### 9.1- Geometry of Surficial Entities and the Main File

The geometry of surficial entities is conveyed in the main file (.shp) as a "Polygon" shape type with a value of "5". The shape type "Polygon" consists of one or more rings. A ring is a connected sequence of four or more points (first and last vertex identical) that form a closed, non-self-intersecting loop. The order of vertices or orientation for a ring indicates which side of the ring is the interior of the polygon. Vertices of rings defining holes in polygons are in a counterclockwise direction. The rings of a polygon are referred to as its parts.

The filename is made up of < NTS number >\_< stamp>\_<geometry>\_<extension>. These five parts combined with the file extension make up the full filename (eg: 031g01\_barrier\_a.shp).

### 9.2- Surficial Entities and the Index File

The filename is made up of < NTS number >\_< stamp>\_<geometry>\_<extension>. These five parts combined with the file extension make up the full filename (eg: 031g01\_barrier\_a.shx)".

### 9.3- Surficial Entity Attributes and the dBASE® Table

The attributes associated with surficial entities are transferred in a dBASE® file or table with the extension ".dbf."

The filename is made up of < NTS number >\_< stamp>\_<geometry>\_<extension>. These five parts combined with the file extension make up the full filename (eg: 031g01\_barrier\_a.dbf).

Each NTDB surficial entity has a minimum of 16 attributes, in addition to its specific fixed and variable attributes. They are listed in Table 3, *Surficial Entity Specific Attributes*. Attribute names are limited to 10 characters. The table provides the attribute type. "N(n,m)" is a number field, where "n" is the total number of digits (characters) allocated, including the decimal point, and "m" corresponds to the number of digits to the right of the point (decimals). When "m" equals zero, "N(n,0)" represents an integer. Also "C(n)" is a character field, where "n" indicates the maximum number of characters.



**Table 3 - Surficial Entity Specific Attributes**

|    | <b>Attribute Name</b>   | <b>Type</b>     | <b>Description and Values</b>   |
|----|---|-----------------|---|
| 1  | Shape   | N(32,0)*        | Shape type corresponding to the geometric representation of the entity. Surficial entities have the shape type "5" (Polygon).   |
| 2  | Entityname  | C(40)           | Name of the surficial entity transferred (see Section 11 or 12).  |
| 3  | Nts   | C(6)            | National Topographic System (NTS) data set number.  |
| 4  | Edition   | N(16,0)         | Data set edition.   |
| 5  | Version   | N(16,0)         | Data set version.   |
| 6  | Theme   | C(2)            | Code of the NTDB theme containing the entity.   |
| 7  | Id  | N(16,0)         | Unique identifier used to distinguish each entity occurrence.   |
| 8  | Code_gener  | N(16,0)         | Generic code associated with the surficial entity (see Section 11 or 12).   |
| 9  | Atc   | N(16,0)         | Explicit code associated with the entity and related to the combination of attribute values (see Section 11 or 12).   |
| 10 | Atg   | N(16,0)         | Geometric representation qualifier. Its value for surficial entities is always "-1".  |
| 11 | Atz   | N(16,0)         | Altimetric information indicator. Its value for surficial entities is always "-1".  |
| 12 | Ate   | N(16,0)         | Relative position indicator for an area. Its value for surficial entities is always "-1".   |
| 13 | Accuracy  | N(11,0)         | Area planimetric accuracy:<br>(> 0) entity with an accuracy;<br>(0) if the accuracy is not available;<br>(-1) if the accuracy is unknown or not applicable.   |
| 14 | <i>"Fixed attribute(s) of the surficial entity, if applicable"</i>    | N(11,0)         | Some entities have one or more fixed attributes; other have none. When present, these attributes immediately follow the attribute "Accuracy".   |
| 15 | <i>"Variable attribute(s) of the surficial entity, if applicable"</i> | C(n)/<br>N(n,m) | Some entities have one or more variable attributes; other have none. When present, these attributes immediately follow the fixed attributes.  |
| 16 | Elevation   | N(31,15)        | Elevation (Z) of the centroid associated with the area. It has the same value as in the geometry file. For a surficial entity, the altimetric information indicator "Atz" is set at "-1" and Z then takes the value "-9999.0000000000000000". |
| 17 | Centroid_x  | N(31,15)        | X coordinate or longitude of the surficial entity's centroid, according to the Geographic coordinates.  |
| 18 | Centroid_y  | N(31,15)        | Y coordinate or latitude of the surficial entity's centroid, according to the Geographic coordinates selected   |

Each surficial entity is represented by the attributes specified in Table 3. Note that each surficial entity comprises a centroid or area identifier. The centroid consists of a point within the limits of the area. Sections 11 and 12 provide the list of attributes for each entity, including their values.

\* Note that the value for attribute number 1 (Shape) in the above table is conveyed in the main file (.shp) instead of the dBASE® table (.dbf).

## 10- Codes and Attributes Associated to NTDB Entities

The tables below list NTDB entities. The second part of the filename (re: "**Part2**" in the three sections above) used to identify each entity is provided in the first column. The full name of the entity and associated attributes are also given. Each attribute is categorized according to whether it is of the numeric or alphanumeric type. "N(n,m)" is a number field, where "n" is the total number of digits (characters) allocated, including the decimal point, and "m" corresponds to the number of digits to the right of the point (decimals). When "m" equals zero, "N(n,0)" represents an integer. Also "C(n)" is a character field, where "n" indicates the maximum number of characters.

An entity may be represented by a point, a line, and/or an area. One or more attributes may be used to describe entities more fully. The tables below provide the geometric representation(s) associated with each entity. The geometric representation is indicated by a "P" (point), "L" (line), or "A" (area). A hyphen (-) indicates that the geometric representation is impossible.

**11- Codes and Attributes Associated to NTDB Edition 3 Entities for the 1:250,000 Scale**

| File name<br>(Part2)  | Entity name     | Position   |   |   | Attribute name  | Type    |
|---|-----------------|--|---|---|---|---------|
|   |                 | P  | L | A |   |         |
| a_cable   | AERIAL CABLEWAY | -  | L | - | Type (AERIAL CABLEWAY TYPE)<br>(0) Generic/unknown<br>(1) Other<br>(2) Ski lift   | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 10</li> <li>Other 11</li> </ul>  |                 | <ul style="list-style-type: none"> <li>Ski lift 12</li> </ul>  |   |   |   |         |
| breakwa   | BREAKWATER      | -  | L | - | Type (BREAKWATER TYPE)<br>(0) Generic/unknown   | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 80</li> </ul>  |                 |  |   |   |   |         |
| bridge  | BRIDGE          | -  | L | - | Structure (BRIDGE STRUCTURE)<br>(0) Generic/unknown   | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 91</li> </ul>  |                 |  |   |   |   |         |
| buildin   | BUILDING        | P  | - | - | Function (BUILDING FUNCTION)<br>(0) Generic/unknown<br>(4) Cabin<br>(6) Coast Guard station<br>(9) Customs post<br>(11) Electric power station<br>(16) Highway service centre<br>(26) Police station<br>(27) Railway station<br>(38) Religious building<br>(33) Trading post<br>(34) Warden/Ranger station<br>(41) Educational building | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 105</li> <li>Cabin 110</li> <li>Coast guard station 115</li> <li>Customs post 121</li> <li>Educational building 179</li> <li>Electric power station 123</li> </ul> |                 | <ul style="list-style-type: none"> <li>Highway service centre 132</li> <li>Police station 153</li> <li>Railway station 155</li> <li>Religious building 178</li> <li>Trading post 168</li> <li>Warden/Ranger station 170</li> </ul> |   |   |   |         |
| builtup   | BUILT-UP AREA   | P  | - | A | Type (BUILT-UP AREA TYPE)<br>(0) Generic/unknown  | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 184</li> </ul>   |                 |  |   |   |   |         |
| campgro   | CAMPGROUND      | P  | - | - | Type (CAMPGROUND TYPE)<br>(0) Generic/unknown   | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 217</li> </ul>   |                 |  |   |   |   |         |
| chimney   | CHIMNEY         | P  | - | - | Type (CHIMNEY TYPE)<br>(0) Generic/unknown<br>(1) Flare stack<br>(2) Industrial   | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 261</li> <li>Flare stack 262</li> </ul>  |                 | <ul style="list-style-type: none"> <li>Industrial 263</li> </ul>   |   |   |   |         |

| File name<br>(Part2)   | Entity name         | Position  |   |   | Attribute name  | Type    |
|--|---------------------|---|---|---|---|---------|
|  |                     | P   | L | A |   |         |
| conduit  | CONDUIT             | -   | L | - | Rel_ground (CONDUIT RELATIONSHIP TO THE GROUND)<br>(0) Unknown<br>(1) Ground level<br>(2) Underground | N(11,0) |
|  |                     | -   | L | - | Type (CONDUIT TYPE)<br>(0) Unknown<br>(1) Other<br>(2) Penstock                                       | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 274</li> <li>Ground level, other 277</li> <li>Ground level, penstock 275</li> <li>Ground level, unknown 279</li> </ul>  |                     | <ul style="list-style-type: none"> <li>Underground, other 278</li> <li>Underground, penstock 276</li> <li>Underground, unknown 280</li> </ul> |   |   |   |         |
| contour  | CONTOUR             | -   | L | - | Type (CONTOUR TYPE)<br>(1) Depression<br>(2) Other  | N(11,0) |
|  |                     | -   | L | - | Generation (CONTOUR GENERATION)<br>(0) Unknown<br>(1) Collected<br>(2) Derived                        | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 1558</li> <li>Depression, collected 1559</li> <li>Depression, derived 1560</li> <li>Depression, unknown 1564</li> </ul> |                     | <ul style="list-style-type: none"> <li>Other, collected 1561</li> <li>Other, derived 1562</li> <li>Other, unknown 1563</li> </ul>             |   |   |   |         |
| conveyo  | CONVEYOR            | -   | L | - | Type (CONVEYOR TYPE)<br>(0) Generic/unknown   | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 300</li> </ul>  |                     |   |   |   |   |         |
| cut  | CUT                 | -   | - | A | Type (CUT TYPE)<br>(0) Generic/unknown  | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 335</li> </ul>  |                     |   |   |   |   |         |
| cut_lin  | CUT LINE            | -   | L | - | Type (CUT LINE TYPE)<br>(0) Generic/unknown   | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 346</li> </ul>  |                     |   |   |   |   |         |
| dam  | DAM                 | P   | L | A | Type (DAM TYPE)<br>(0) Generic/unknown<br>(1) Other   | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 359</li> </ul>  |                     | <ul style="list-style-type: none"> <li>Other 360</li> </ul>   |   |   |   |         |
| dis_str  | DISAPPEARING STREAM | P   | - | - | Type (DISAPPEARING STREAM TYPE)<br>(0) Generic/unknown<br>(1) Other<br>(2) Sinkhole                   | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 370</li> <li>Other 371</li> </ul>   |                     | <ul style="list-style-type: none"> <li>Sinkhole 372</li> </ul>  |   |   |   |         |

| File name<br>(Part2) | Entity name              | Position |                     |   | Attribute name   | Type    |  |
|----------------------|--------------------------|----------|---------------------|---|--|---------|--|
|                      |                          | P        | L                   | A |  |         |  |
| disc_pt              | DISCONTINUITY POINT      | P        | -                   | - | Type (DISCONTINUITY POINT TYPE)<br>(0) Generic/unknown<br>(1) Dead end   | N(11,0) |  |
| • Generic/unknown    |                          | 1590     | • Dead end          |   | 1591   |         |  |
| dry_riv              | DRY RIVER BED            | -        | -                   | A | Type (DRY RIVER BED TYPE)<br>(0) Generic/unknown   | N(11,0) |  |
| • Generic/unknown    |                          |          |                     |   |  | 394     |  |
| dyke_le              | DYKE/LEVEE               | -        | L                   | - | Type (DYKE/LEVEE TYPE)<br>(0) Generic/unknown  | N(11,0) |  |
| • Generic/unknown    |                          |          |                     |   |  | 429     |  |
| elev_pt              | ELEVATION POINT          | P        | -                   | - | Type (ELEVATION POINT TYPE)<br>(0) Generic/unknown<br>(1) Precise altitude<br>(2) Spot height  | N(11,0) |  |
| • Generic/unknown    |                          | 1573     | • Spot height       |   | 1576   |         |  |
| • Precise altitude   |                          | 1575     |                     |   |  |         |  |
| embankm              | EMBANKMENT               | -        | -                   | A | Type (EMBANKMENT TYPE)<br>(0) Generic/unknown<br>(1) Causeway<br>(2) Other   | N(11,0) |  |
| • Generic/unknown    |                          | 440      | • Other             |   | 441  |         |  |
| • Causeway           |                          | 442      |                     |   |  |         |  |
| esker                | ESKER                    | -        | L                   | - | Type (ESKER TYPE)<br>(0) Generic/unknown   | N(11,0) |  |
| • Generic/unknown    |                          |          |                     |   |  | 451     |  |
| ferry_r              | FERRY ROUTE              | P        | L                   | - | Type (FERRY ROUTE TYPE)<br>(0) Generic/unknown   | N(11,0) |  |
| • Generic/unknown    |                          |          |                     |   |  | 508     |  |
| oil_fac              | GAS AND OIL FACILITIES   | P        | -                   | - | Type (GAS AND OIL FACILITIES TYPE)<br>(0) Generic/unknown  | N(11,0) |  |
| • Generic/unknown    |                          |          |                     |   |  | 788     |  |
| haz_air              | HAZARD TO AIR NAVIGATION | P        | L                   | - | Type (TYPE OF HAZARD TO AIR NAVIGATION)<br>(0) Generic/unknown<br>(2) Chimney<br>(3) Tank<br>(7) Water disturbance<br>(8) Bridge<br>(9) Navigational aid<br>(10) Tower<br>(11) Aerial cableway | N(11,0) |  |
|                      |                          | P        | L                   | - | Height (HEIGHT OF THE HAZARD)  | N(11,0) |  |
| • Generic/unknown    |                          | 1720     | • Navigational aid  |   | 1729   |         |  |
| • Aerial cableway    |                          | 1730     | • Tank              |   | 1723   |         |  |
| • Bridge             |                          | 1728     | • Tower             |   | 1731   |         |  |
| • Chimney            |                          | 1722     | • Water disturbance |   | 1727   |         |  |

| File name<br>(Part2)   | Entity name                         | Position   |   |   | Attribute name   | Type    |
|--|-------------------------------------|--|---|---|--|---------|
|  |                                     | P  | L | A |  |         |
| haz_nav  | HAZARD TO NAVIGATION                | P  | - | - | Type (HAZARD TO NAVIGATION TYPE)<br>(0) Generic/unknown<br>(1) Rock in water   | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 1680</li> <li>Rock in water 1681</li> </ul>   |                                     |  |   |   |  |         |
| hi_site  | HISTORIC SITE/<br>POINT OF INTEREST | P  | - | - | Type (HISTORIC SITE/POINT OF INTEREST TYPE)<br>(0) Generic/unknown   | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 640</li> </ul>  |                                     |  |   |   |  |         |
| li_road  | LIMITED-USE ROAD                    | -  | L | - | Classifica (LIMITED-USE ROAD CLASSIFICATION)<br>(0) Generic/unknown<br>(1) Winter<br>(2) Cart track<br>(3) Dry weather | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 1645</li> <li>Cart track 1646</li> </ul>  |                                     | <ul style="list-style-type: none"> <li>Dry weather 1648</li> <li>Winter 1647</li> </ul>  |   |   |  |         |
| li_depo  | LIQUIDS DEPOT/DUMP                  | -  | - | A | Type (TYPE OF LIQUID)<br>(0) Unknown<br>(2) Drinking water<br>(3) Liquid waste   | N(11,0) |
|  |                                     | -  | - | A | Pond_type (POND TYPE)<br>(0) Unknown<br>(1) Other  | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 1665</li> <li>Drinking water, other 1671</li> </ul>   |                                     | <ul style="list-style-type: none"> <li>Liquid waste, unknown 1668</li> </ul>   |   |   |  |         |
| mininga  | MINING AREA                         | P  | - | A | Nature (MINING AREA NATURE)<br>(0) Unknown<br>(1) Pit<br>(2) Quarry<br>(3) Mine  | N(11,0) |
|  |                                     | P  | - | A | Type (MINING AREA TYPE)<br>(0) Unknown<br>(1) Open pit<br>(2) Underground  | N(11,0) |
|  |                                     | P  | - | A | Status (MINING AREA STATUS)<br>(0) Unknown<br>(1) Operational<br>(2) Abandoned   | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 1690</li> <li>Mine, unknown, abandoned 1694</li> <li>Mine, unknown, operational 1696</li> </ul> |                                     | <ul style="list-style-type: none"> <li>Pit, open pit, operational 1691</li> <li>Quarry, open pit, operational 1692</li> <li>Unknown, open pit, unknown 1698</li> </ul> |   |   |  |         |

| File name<br>(Part2) | Entity name            | Position |                    |   | Attribute name   | Type    |  |
|----------------------|------------------------|----------|--------------------|---|--|---------|--|
|                      |                        | P        | L                  | A |  |         |  |
| moraine              | MORaine                | -        | -                  | A | Type (MORaine TYPE)<br>(0) Generic/unknown   | N(11,0) |  |
| • Generic/unknown    |                        |          |                    |   |  | 731     |  |
| n_canal              | NAVIGABLE CANAL        | -        | L                  | A | Status (NAVIGABLE CANAL STATUS)<br>(0) Generic/unknown<br>(1) Abandoned<br>(2) Operational           | N(11,0) |  |
| • Generic/unknown    |                        | 742      | • Operational      |   | 744  |         |  |
| • Abandoned          |                        | 743      |                    |   |  |         |  |
| nav_aid              | NAVIGATIONAL AID       | P        | -                  | - | Type (NAVIGATIONAL AID TYPE)<br>(0) Generic/unknown<br>(1) Navigation beacon<br>(2) Navigation light | N(11,0) |  |
| • Generic/unknown    |                        | 765      | • Navigation light |   | 766  |         |  |
| • Navigation beacon  |                        | 767      |                    |   |  |         |  |
| nts_lim              | NTS TERRITORIAL LIMITS | -        | L                  | - | Type (NTS TERRITORIAL LIMITS TYPE)<br>(0) Generic/unknown  | N(11,0) |  |
| • Generic/unknown    |                        |          |                    |   |  | 1536    |  |
| oil_fie              | OIL OR GAS FIELD       | P        | -                  | - | Type (OIL OR GAS FIELD TYPE)<br>(0) Generic/unknown  | N(11,0) |  |
| • Generic/unknown    |                        |          |                    |   |  | 793     |  |
| palsa_b              | PALSA BOG              | -        | -                  | A | Type (PALSA BOG TYPE)<br>(0) Generic/unknown   | N(11,0) |  |
| • Generic/unknown    |                        |          |                    |   |  | 799     |  |
| pe_snow              | PERMANENT SNOW AND ICE | -        | -                  | A | Type (PERMANENT SNOW AND ICE TYPE)<br>(0) Generic/unknown<br>(1) Debris-covered ice<br>(2) Other     | N(11,0) |  |
| • Generic/unknown    |                        | 845      | • Other            |   | 847  |         |  |
| • Debris-covered ice |                        | 846      |                    |   |  |         |  |
| picnic               | PICNIC SITE            | P        | -                  | - | Type (PICNIC SITE TYPE)<br>(0) Generic/unknown   | N(11,0) |  |
| • Generic/unknown    |                        |          |                    |   |  | 858     |  |
| pingo                | PINGO                  | P        | -                  | - | Type (PINGO TYPE)<br>(0) Generic/unknown   | N(11,0) |  |
| • Generic            |                        |          |                    |   |  | 869     |  |

| File name<br>(Part2)   | Entity name | Position   |   |   | Attribute name   | Type    |
|--|-------------|--|---|---|--|---------|
|  |             | P  | L | A |  |         |
| pipelin  | PIPELINE    | -  | L | - | Product (PIPELINE PRODUCT)<br>(0) Unknown<br>(1) Natural gas<br>(2) Oil<br>(3) Sewage/liquid waste<br>(4) Multiuse | N(11,0) |
|  |             | -  | L | - | Rel_ground (PIPELINE RELATIONSHIP TO GROUND)<br>(1) Aboveground<br>(2) Underground                                 | N(11,0) |
|  |             | -  | L | - | Nb_pipelin (NUMBER OF PIPELINES)   | N(11,0) |
| <ul style="list-style-type: none"> <li>• Generic/unknown 880</li> <li>• Multiuse, aboveground 890</li> <li>• Multiuse, underground 891</li> <li>• Natural gas, aboveground 881</li> <li>• Natural gas, underground 882</li> </ul>  |             | <ul style="list-style-type: none"> <li>• Oil, aboveground 883</li> <li>• Oil, underground 884</li> <li>• Sewage/liquid waste, aboveground 885</li> <li>• Unknown, aboveground 886</li> <li>• Unknown, underground 887</li> </ul>   |   |   |  |         |
| railway  | RAILWAY     | -  | L | - | Gauge (RAILWAY GAUGE)<br>(0) Generic/unknown<br>(1) Narrow<br>(2) Special<br>(3) Standard                          | N(11,0) |
|  |             | -  | L | - | Rel_ground (RAILWAY RELATIONSHIP TO THE GROUND)<br>(0) Unknown<br>(1) Ground level<br>(2) Other                    | N(11,0) |
|  |             | -  | L | - | Status (RAILWAY STATUS)<br>(0) Unknown<br>(1) Abandoned<br>(2) Operational<br>(3) Under construction               | N(11,0) |
|  |             | -  | L | - | Type (RAILWAY TYPE)<br>(0) Unknown<br>(1) Multiple<br>(2) Side track<br>(3) Single                                 | N(11,0) |
| <ul style="list-style-type: none"> <li>• Generic/unknown 934</li> <li>• Narrow, unknown, operational, unknown 936</li> <li>• Standard, ground level, operational, multiple 954</li> <li>• Standard, ground level, operational, single 956</li> <li>• Standard, other, operational, multiple 957</li> </ul> |             | <ul style="list-style-type: none"> <li>• Standard, other, operational, single 958</li> <li>• Standard, unknown, under construction, multiple 952</li> <li>• Standard, unknown, under construction, single 953</li> <li>• Unknown, unknown, operational, unknown 935</li> </ul> |   |   |  |         |



| File name<br>(Part2)   | Entity name      | Position |   |    | Attribute name  | Type    |
|--|------------------|----------|---|----|---|---------|
|  |                  | P        | L | A  |   |         |
| road   | ROAD             | -        | L | -  | Classifica (ROAD CLASSIFICATION)<br>(0) Unknown<br>(1) Highway<br>(2) Main<br>(3) Secondary | N(11,0) |
|  |                  | -        | L | -  | Support (ROAD SUPPORT)<br>(0) Unknown<br>(1) Ground level<br>(2) Other                      | N(11,0) |
|  |                  | -        | L | -  | Surface (ROAD SURFACE)<br>(0) Unknown<br>(1) Hard surface<br>(2) Loose surface              | N(11,0) |
|  |                  | -        | L | -  | Status (ROAD STATUS)<br>(0) Unknown<br>(1) Operational<br>(2) Under construction            | N(11,0) |
|  |                  | -        | L | -  | Nb_lanes (NUMBER OF LANES)  | N(11,0) |
|  |                  | -        | L | -  | Fir_roadno (FIRST ROAD NUMBER)  | C(30)   |
|  |                  | -        | L | -  | Sec_roadno (SECOND ROAD NUMBER)   | C(30)   |
|  |                  | -        | L | -  | Thi_roadno (THIRD ROAD NUMBER)  | C(30)   |
| <ul style="list-style-type: none"> <li>• Generic/unknown 1594</li> <li>• Highway, ground level, hard surface, operational 1596</li> <li>• Highway, ground level, loose surface, operational 1595</li> <li>• Highway, ground level, unknown, unknown 1621</li> <li>• Highway, other, hard surface, operational 1597</li> <li>• Highway, unknown, unknown, under construction 1598</li> <li>• Main, ground level, hard surface, operational 1603</li> <li>• Main, ground level, loose surface, operational 1604</li> <li>• Main, ground level, unknown, unknown 1622</li> <li>• Main, other, hard surface, operational 1605</li> <li>• Main, unknown, unknown, under construction 1606</li> <li>• Secondary, ground level, hard surface, operational 1612</li> <li>• Secondary, ground level, loose surface, operational 1611</li> <li>• Secondary, ground level, unknown, unknown 1623</li> <li>• Secondary, other, hard surface, operational 1613</li> <li>• Secondary, unknown, unknown, under construction 1614</li> </ul> |                  |          |   |    |   |         |
| rock_le  | ROCKY LEDGE/REEF | -        | - | 10 | Type (ROCKY LEDGE/REEF TYPE)<br>(0) Generic/unknown   | N(11,0) |
| <ul style="list-style-type: none"> <li>• Generic/unknown 1044</li> </ul>   |                  |          |   |    |   |         |

| File name<br>(Part2)   | Entity name       | Position  |   |   | Attribute name   | Type    |
|--|-------------------|---|---|---|--|---------|
|  |                   | P   | L | A |  |         |
| runway   | RUNWAY            | P   | - | - | Category (RUNWAY CATEGORY)<br>(0) Unknown<br>(1) Airfield<br>(2) Airport<br>(3) Heliport | N(11,0) |
|  |                   | P   | - | - | Status (RUNWAY STATUS)<br>(0) Unknown<br>(1) Abandoned<br>(2) Operational                | N(11,0) |
|  |                   | P   | - | - | Surface (RUNWAY SURFACE)<br>(0) Unknown<br>(1) Hard surface<br>(2) Loose surface         | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 1066</li> <li>Airfield, operational, unknown 1075</li> <li>Airfield, unknown, unknown 1067</li> </ul> |                   | <ul style="list-style-type: none"> <li>Airport, operational, unknown 1074</li> <li>Heliport, operational, unknown 1073</li> <li>Unknown, abandoned, unknown 1071</li> </ul> |   |   |  |         |
| sand   | SAND              | -   | - | A | Location (SAND LOCATION)<br>(0) Unknown<br>(1) Underwater<br>(2) Other                   | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 1082</li> <li>Other 1083</li> </ul>   |                   | <ul style="list-style-type: none"> <li>Underwater 1084</li> </ul>   |   |   |  |         |
| seapl_b  | SEAPLANE BASE     | P   | - | - | Type (SEAPLANE BASE FACILITIES TYPE)<br>(0) Generic/unknown<br>(1) Anchorage<br>(2) Base | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 1095</li> <li>Anchorage 1096</li> </ul>   |                   | <ul style="list-style-type: none"> <li>Base 1097</li> </ul>   |   |   |  |         |
| ski_cen  | SKI CENTRE        | P   | - | - | Type (SKI CENTRE TYPE)<br>(0) Generic/unknown  | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 1141</li> </ul>   |                   |   |   |   |  |         |
| so_depo  | SOLIDS DEPOT/DUMP | -   | - | A | Nature (SOLIDS DEPOT NATURE)<br>(0) Unknown<br>(2) Industrial                            | N(11,0) |
|  |                   | -   | - | A | Type (SOLIDS DEPOT TYPE)<br>(0) Unknown<br>(1) Waste                                     | N(11,0) |
|  |                   | -   | - | A | Status (SOLIDS DEPOT STATUS)<br>(0) Unknown  | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 1655</li> <li>Industrial, waste, unknown 1658</li> </ul>  |                   |   |   |   |  |         |
| stringb  | STRING BOG        | -   | - | A | Type (STRING BOG TYPE)<br>(0) Generic/unknown  | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 1253</li> </ul>   |                   |   |   |   |  |         |

| File name<br>(Part2)   | Entity name         | Position   |   |   | Attribute name   | Type    |
|--|---------------------|--|---|---|--|---------|
|  |                     | P  | L | A   |  |         |
| tank   | TANK                | P  | - | -   | Type (TANK TYPE)<br>(0) Unknown<br>(2) Vertical  | N(11,0) |
|  |                     | P  | - | -   | Use (TANK USE)<br>(0) Unknown<br>(1) Other   | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 1275</li> <li>Vertical, other 1277</li> </ul>                 |                     | <ul style="list-style-type: none"> <li>Vertical, unknown 1279</li> </ul>   |   |   |  |         |
| toponym  | TOPONYM             | P  | - | -   | Type (TOPONYM TYPE)<br>(0) Generic/unknown<br>(1) Place<br>(2) Hydrography<br>(3) Shoreline<br>(4) Relief<br>(5) Transport | N(11,0) |
|  |                     | P  | - | -   | Name (NAME (TOPONYM))  | C(100)  |
|  |                     | P  | - | -   | Cgndb_id (CGNDB* (TOPONYM) IDENTIFIER)   | C(5)    |
| <ul style="list-style-type: none"> <li>Generic/unknown 1850</li> <li>Hydrography 1852</li> <li>Place 1851</li> </ul> |                     | <ul style="list-style-type: none"> <li>Relief 1854</li> <li>Shoreline 1853</li> <li>Transport 1855</li> </ul>              |   |   |  |         |
| tower  | TOWER               | P  | - | -   | Function (TOWER FUNCTION)<br>(0) Generic/unknown<br>(1) Clearance<br>(2) Communication<br>(4) Fire<br>(5) Lookout          | N(11,0) |
|  |                     | <ul style="list-style-type: none"> <li>Generic/unknown 1289</li> <li>Clearance 1290</li> <li>Communication 1291</li> </ul> |   | <ul style="list-style-type: none"> <li>Fire 1293</li> <li>Lookout 1294</li> </ul> |  |         |
| trail  | TRAIL               | P  | L | -   | Function (TRAIL FUNCTION)<br>(0) Generic/unknown<br>(1) Other<br>(2) Portage   | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 1305</li> <li>Other 1306</li> </ul>                           |                     | <ul style="list-style-type: none"> <li>Portage 1307</li> </ul>   |   |   |  |         |
| trans_s  | TRANSFORMER STATION | P  | - | -   | Type (TRANSFORMER STATION TYPE)<br>(0) Generic/unknown   | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 1318</li> </ul>   |                     |  |   |   |  |         |

\* CGNDB = Canadian Geographical Names Data Base

| File name<br>(Part2)  | Entity name       | Position   |   |   | Attribute name   | Type    |
|---|-------------------|--|---|---|--|---------|
|   |                   | P  | L | A |  |         |
| trans_l   | TRANSMISSION LINE | -  | L | - | Function (TRANSMISSION LINE FUNCTION)<br>(0) Unknown<br>(1) Power<br>(2) Telephone   | N(11,0) |
|   |                   | -  | L | - | Location (TRANSMISSION LINE LOCATION)<br>(0) Unknown<br>(1) Other<br>(2) Submarine   | N(11,0) |
|   |                   | -  | L | - | Nb_lines (NUMBER OF TRANSMISSION LINES)  | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 1329</li> <li>Power, other 1330</li> </ul>                                   |                   | <ul style="list-style-type: none"> <li>Power, submarine 1331</li> <li>Telephone, other 1332</li> </ul> |   |   |  |         |
| tund_po   | TUNDRA POLYGON    | -  | - | A | Type (TUNDRA POLYGON TYPE)<br>(0) Generic/unknown  | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 1354</li> </ul>  |                   |  |   |   |  |         |
| tund_pd   | TUNDRA POND       | -  | - | A | Type (TUNDRA POND TYPE)<br>(0) Generic/unknown   | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 1365</li> </ul>  |                   |  |   |   |  |         |
| tunnel  | TUNNEL            | -  | L | - | Type (TUNNEL TYPE)<br>(0) Generic/unknown  | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 1376</li> </ul>  |                   |  |   |   |  |         |
| vegetat   | VEGETATION        | -  | - | A | Type (VEGETATION TYPE)<br>(0) Generic/unknown  | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 1409</li> </ul>  |                   |  |   |   |  |         |
| wat_dis   | WATER DISTURBANCE | P  | L | A | Type (WATER DISTURBANCE TYPE)<br>(0) Generic/unknown<br>(1) Falls<br>(2) Rapids  | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 1700</li> <li>Falls 1701</li> </ul>  |                   | <ul style="list-style-type: none"> <li>Rapids 1702</li> </ul>  |   |   |  |         |
| water_b   | WATERBODY         | -  | - | A | Type (WATERBODY TYPE)<br>(0) Generic/unknown<br>(1) Intermittent/slough<br>(2) Other<br>(3) Irrigation canal<br>(4) Flooded area | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 1449</li> <li>Flooded area 1454</li> <li>Intermittent/slough 1450</li> </ul> |                   | <ul style="list-style-type: none"> <li>Irrigation canal 1453</li> <li>Other 1452</li> </ul>            |   |   |  |         |
| water_c   | WATERCOURSE       | -  | L | - | Type (WATERCOURSE TYPE)<br>(0) Generic/unknown   | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 1463</li> </ul>  |                   |  |   |   |  |         |

| File name<br>(Part2)   | Entity name | Position |   |   | Attribute name                               | Type    |
|--|-------------|----------|---|---|--|---------|
|  |             | P        | L | A |  |         |
| well   | WELL        | P        | - | - | Type<br>(0) Generic/unknown<br>(1) Petroleum | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown</li> <li>Petroleum</li> </ul> |             |          |   |   | 1478<br>1480                                 |         |
| wetland  | WETLAND     | -        | - | A | Type<br>(0) Generic/unknown                  | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown</li> </ul>                    |             |          |   |   | 1492   |         |
| wharf  | WHARF       | -        | L | - | Type<br>(0) Generic/unknown                  | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown</li> </ul>                    |             |          |   |   | 1503   |         |

**12- Codes and Attributes Associated to NTDB Edition 3 Entities for the 1:50,000 Scale**

| File name<br>(Part2) | Entity name      | Position |                    |   | Attribute name  | Type    |
|----------------------|------------------|----------|--------------------|---|---|---------|
|                      |                  | P        | L                  | A |   |         |
| a_cable              | AERIAL CABLEWAY  | -        | L                  | - | Type (AERIAL CABLEWAY TYPE)<br>(0) Generic/unknown<br>(1) Other<br>(2) Ski lift                         | N(11,0) |
| • Generic/unknown    |                  | 10       | • Ski lift         |   | 12  |         |
| • Other              |                  | 11       |                    |   |   |         |
| am_park              | AMUSEMENT PARK   | -        | -                  | A | Type (AMUSEMENT PARK TYPE)<br>(0) Generic/unknown   | N(11,0) |
| • Generic/unknown    |                  |          |                    |   |   | 23      |
| auto_wr              | AUTO WRECKER     | -        | -                  | A | Type (AUTO WRECKER TYPE)<br>(0) Generic/unknown   | N(11,0) |
| • Generic/unknown    |                  |          |                    |   |   | 34      |
| barrier              | BARRIER/GATE     | P        | -                  | - | Use (BARRIER/GATE USE)<br>(0) Generic/unknown<br>(1) Other<br>(2) Tollgate                              | N(11,0) |
| • Generic/unknown    |                  | 45       | • Tollgate         |   | 47  |         |
| • Other              |                  | 46       |                    |   |   |         |
| boat_ra              | BOAT RAMP        | P        | -                  | - | Type (BOAT RAMP TYPE)<br>(0) Generic/unknown  | N(11,0) |
| • Generic/unknown    |                  |          |                    |   |   | 58      |
| bo_gard              | BOTANICAL GARDEN | -        | -                  | A | Type (BOTANICAL GARDEN TYPE)<br>(0) Generic/unknown   | N(11,0) |
| • Generic/unknown    |                  |          |                    |   |   | 69      |
| breakwa              | BREAKWATER       | -        | L                  | - | Type (BREAKWATER TYPE)<br>(0) Generic/unknown   | N(11,0) |
| • Generic/unknown    |                  |          |                    |   |   | 80      |
| bridge               | BRIDGE           | -        | L                  | - | Structure (BRIDGE STRUCTURE)<br>(0) Generic/unknown<br>(1) Covered<br>(2) Moveable surface<br>(3) Other | N(11,0) |
| • Generic/unknown    |                  | 91       | • Moveable surface |   | 93  |         |
| • Covered            |                  | 92       | • Other            |   | 94  |         |

| File name<br>(Part2)  | Entity name  | Position |   |   | Attribute name  | Type    |
|---|--|----------|---|---|---|---------|
|   |  | P        | L | A |   |         |
| buildin   | BUILDING   | P        | - | A | Function (BUILDING FUNCTION)<br>(0) Generic/unknown<br>(1) Arena<br>(2) Armoury<br>(3) Barn/machinery shed<br>(4) Cabin<br>(5) City hall<br>(6) Coast Guard station<br>(7) Community centre<br>(8) Courthouse<br>(9) Customs post<br>(10) Dome<br>(11) Electric power station<br>(12) Fire station<br>(13) Fish hatchery<br>(14) Grain elevator<br>(15) Hall<br>(16) Highway service centre<br>(17) Hospital<br>(18) Kiln (Tobacco)<br>(19) Medical centre<br>(20) Municipal hall<br>(21) Museum<br>(22) Observatory<br>(23) Gas and oil facilities building<br>(24) Other<br>(25) Parliament building<br>(26) Police station<br>(27) Railway station<br>(28) Sanatorium<br>(29) Satellite-tracking station<br>(30) Senior citizens home<br>(31) Shopping centre<br>(32) Sportsplex<br>(33) Trading post<br>(34) Warden/Ranger station<br>(35) Weigh scale (Highway)<br>(36) Greenhouse<br>(37) Industrial building<br>(38) Religious building<br>(39) Penal building<br>(40) Lodging facilities<br>(41) Educational building | N(11,0) |
| <ul style="list-style-type: none"> <li>• Generic/unknown 105</li> <li>• Arena 106</li> <li>• Armoury 107</li> <li>• Barn/machinery shed 109</li> <li>• Cabin 110</li> <li>• City hall 114</li> <li>• Coast Guard station 115</li> <li>• Community centre 117</li> <li>• Courthouse 120</li> <li>• Customs post 121</li> <li>• Dome 122</li> <li>• Educational building 179</li> <li>• Electric power station 123</li> <li>• Fire station 126</li> <li>• Fish hatchery 128</li> <li>• Gas and oil facilities building 146</li> <li>• Grain elevator 130</li> <li>• Greenhouse 174</li> <li>• Hall 131</li> <li>• Highway service centre 132</li> <li>• Hospital 133</li> </ul> | <ul style="list-style-type: none"> <li>• Industrial building 177</li> <li>• Kiln (Tobacco) 136</li> <li>• Lodging facilities 176</li> <li>• Medical centre 139</li> <li>• Municipal hall 142</li> <li>• Museum 143</li> <li>• Observatory 145</li> <li>• Other 147</li> <li>• Parliament building 149</li> <li>• Penal building 175</li> <li>• Police station 153</li> <li>• Railway station 155</li> <li>• Religious building 178</li> <li>• Sanatorium 157</li> <li>• Satellite-tracking station 158</li> <li>• Senior citizens home 162</li> <li>• Shopping centre 165</li> <li>• Sportsplex 166</li> <li>• Trading post 168</li> <li>• Warden/Ranger station 170</li> <li>• Weigh scale (highway) 172</li> </ul> |          |   |   |   |         |

| File name<br>(Part2)  | Entity name    | Position  |   |   | Attribute name  | Type    |
|---|----------------|---|---|---|---|---------|
|   |                | P   | L | A |   |         |
| builtup   | BUILT-UP AREA  | -   | - | A | Type (BUILT-UP AREA TYPE)<br>(0) Generic/unknown<br>(1) Mobile home park<br>(2) Other                 | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 184</li> <li>Mobile park home 186</li> </ul>   |                | <ul style="list-style-type: none"> <li>Other 185</li> </ul>   |   |   |   |         |
| camp  | CAMP           | P   | - | - | Type (CAMP TYPE)<br>(0) Generic/unknown   | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 206</li> </ul>   |                |   |   |   |   |         |
| campgro   | CAMPGROUND     | P   | - | A | Type (CAMPGROUND TYPE)<br>(0) Generic/unknown   | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 217</li> </ul>   |                |   |   |   |   |         |
| cave_en   | CAVE ENTRANCE  | P   | - | - | Type (CAVE ENTRANCE TYPE)<br>(0) Generic/unknown  | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 239</li> </ul>   |                |   |   |   |   |         |
| cemeter   | CEMETERY       | P   | - | A | Type (CEMETERY TYPE)<br>(0) Generic/unknown   | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 250</li> </ul>   |                |   |   |   |   |         |
| chimney   | CHIMNEY        | P   | - | - | Type (CHIMNEY TYPE)<br>(0) Generic/unknown<br>(1) Flare stack<br>(2) Industrial<br>(3) Burner         | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 261</li> <li>Burner 264</li> </ul>   |                | <ul style="list-style-type: none"> <li>Flare stack 262</li> <li>Industrial 263</li> </ul>   |   |   |   |         |
| conduit   | CONDUIT        | -   | L | - | Rel_ground (CONDUIT RELATIONSHIP TO THE GROUND)<br>(0) Unknown<br>(1) Ground level<br>(2) Underground | N(11,0) |
|   |                | -   | L | - | Type (CONDUIT TYPE)<br>(0) Unknown<br>(1) Other<br>(2) Penstock                                       | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 274</li> <li>Ground level, other 277</li> <li>Ground level, penstock 275</li> <li>Ground level, unknown 279</li> </ul> |                | <ul style="list-style-type: none"> <li>Underground, other 278</li> <li>Underground, penstock 276</li> <li>Underground, unknown 280</li> </ul> |   |   |   |         |
| co_brid   | CONDUIT BRIDGE | -   | L | - | Type (CONDUIT BRIDGE TYPE)<br>(0) Generic/unknown   | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 289</li> </ul>   |                |   |   |   |   |         |



| File name<br>(Part2)   | Entity name         | Position  |   |   | Attribute name  | Type    |
|--|---------------------|---|---|---|---|---------|
|  |                     | P   | L | A |   |         |
| contour  | CONTOUR             | -   | L | - | Type (CONTOUR TYPE)<br>(1) Depression<br>(2) Other                                  | N(11,0) |
|  |                     | -   | L | - | Generation (CONTOUR GENERATION)<br>(0) Unknown<br>(1) Collected<br>(2) Derived      | N(11,0) |
| <ul style="list-style-type: none"> <li>• Generic/unknown 1558</li> <li>• Depression, collected 1559</li> <li>• Depression, derived 1560</li> <li>• Depression, unknown 1564</li> </ul> |                     | <ul style="list-style-type: none"> <li>• Other, collected 1561</li> <li>• Other, derived 1562</li> <li>• Other, unknown 1563</li> </ul> |   |   |   |         |
| conveyo  | CONVEYOR            | -   | L | - | Type (CONVEYOR TYPE)<br>(0) Generic/unknown   | N(11,0) |
| <ul style="list-style-type: none"> <li>• Generic/unknown 300</li> </ul>  |                     |   |   |   |   |         |
| crane  | CRANE               | P   | L | - | Type (CRANE TYPE)<br>(0) Generic/unknown<br>(1) Moveable<br>(2) Stationary          | N(11,0) |
| <ul style="list-style-type: none"> <li>• Generic/unknown 311</li> <li>• Moveable 312</li> </ul>  |                     | <ul style="list-style-type: none"> <li>• Stationary 313</li> </ul>  |   |   |   |         |
| cross  | CROSS               | P   | - | - | Type (CROSS TYPE)<br>(0) Generic/unknown  | N(11,0) |
| <ul style="list-style-type: none"> <li>• Generic/unknown 324</li> </ul>  |                     |   |   |   |   |         |
| cut  | CUT                 | -   | - | A | Type (CUT TYPE)<br>(0) Generic/unknown  | N(11,0) |
| <ul style="list-style-type: none"> <li>• Generic/unknown 335</li> </ul>  |                     |   |   |   |   |         |
| cut_lin  | CUT LINE            | -   | L | - | Type (CUT LINE TYPE)<br>(0) Generic/unknown<br>(1) Firebreak<br>(2) Other           | N(11,0) |
| <ul style="list-style-type: none"> <li>• Generic/unknown 346</li> <li>• Firebreak 347</li> </ul>   |                     | <ul style="list-style-type: none"> <li>• Other 348</li> </ul>   |   |   |   |         |
| dam  | DAM                 | P   | L | A | Type (DAM TYPE)<br>(0) Generic/unknown<br>(1) Other<br>(2) Sluice gate              | N(11,0) |
| <ul style="list-style-type: none"> <li>• Generic/unknown 359</li> <li>• Other 360</li> </ul>   |                     | <ul style="list-style-type: none"> <li>• Sluice gate 361</li> </ul>   |   |   |   |         |
| dis_str  | DISAPPEARING STREAM | P   | - | - | Type (DISAPPEARING STREAM TYPE)<br>(0) Generic/unknown<br>(1) Other<br>(2) Sinkhole | N(11,0) |
| <ul style="list-style-type: none"> <li>• Generic/unknown 370</li> <li>• Other 371</li> </ul>   |                     | <ul style="list-style-type: none"> <li>• Sinkhole 372</li> </ul>  |   |   |   |         |

| File name<br>(Part2)  | Entity name         | Position |   |   | Attribute name  | Type    |
|---|---------------------|----------|---|---|---|---------|
|   |                     | P        | L | A |   |         |
| disc_pt   | DISCONTINUITY POINT | P        | - | - | Type (DISCONTINUITY POINT TYPE)<br>(0) Generic/unknown<br>(1) Dead end                        | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 1590</li> <li>Dead end 1591</li> </ul>                                   |                     |          |   |   |   |         |
| drivein   | DRIVE-IN THEATRE    | P        | - | A | Type (DRIVE-IN THEATRE TYPE)<br>(0) Generic/unknown   | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 383</li> </ul>   |                     |          |   |   |   |         |
| dry_riv   | DRY RIVER BED       | -        | - | A | Type (DRY RIVER BED TYPE)<br>(0) Generic/unknown  | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 394</li> </ul>   |                     |          |   |   |   |         |
| dyke_le   | DYKE/LEVEE          | -        | L | - | Type (DYKE/LEVEE TYPE)<br>(0) Generic/unknown   | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 429</li> </ul>   |                     |          |   |   |   |         |
| elev_pt   | ELEVATION POINT     | P        | - | - | Type (ELEVATION POINT TYPE)<br>(0) Generic/unknown<br>(1) Precise altitude<br>(2) Spot height | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 1573</li> <li>Precise altitude 1575</li> <li>Spot height 1576</li> </ul> |                     |          |   |   |   |         |
| embankm   | EMBANKMENT          | -        | - | A | Type (EMBANKMENT TYPE)<br>(0) Generic/unknown<br>(1) Causeway<br>(2) Other                    | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 440</li> <li>Causeway 442</li> <li>Other 441</li> </ul>                  |                     |          |   |   |   |         |
| esker   | ESKER               | -        | L | - | Type (ESKER TYPE)<br>(0) Generic/unknown  | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 451</li> </ul>   |                     |          |   |   |   |         |
| exhib_g   | EXHIBITION GROUND   | -        | - | A | Type (EXHIBITION GROUND TYPE)<br>(0) Generic/unknown<br>(1) Other<br>(2) Fairground           | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 462</li> <li>Fairground 464</li> <li>Other 463</li> </ul>                |                     |          |   |   |   |         |
| ferry_r   | FERRY ROUTE         | P        | L | - | Type (FERRY ROUTE TYPE)<br>(0) Generic/unknown  | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 508</li> </ul>   |                     |          |   |   |   |         |
| fish_la   | FISH LADDER         | P        | - | - | Type (FISH LADDER TYPE)<br>(0) Generic/unknown  | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 519</li> </ul>   |                     |          |   |   |   |         |

| File name<br>(Part2) | Entity name              | Position |                        |   | Attribute name  | Type    |
|----------------------|--------------------------|----------|------------------------|---|---|---------|
|                      |                          | P        | L                      | A |   |         |
| fish_po              | FISH POUND               | -        | -                      | A | Type (FISH POUND TYPE)<br>(0) Generic/unknown   | N(11,0) |
| • Generic/unknown    |                          |          |                        |   |   | 530     |
| footbri              | FOOTBRIDGE               | -        | L                      | - | Type (FOOTBRIDGE TYPE)<br>(0) Generic/unknown   | N(11,0) |
| • Generic/unknown    |                          |          |                        |   |   | 552     |
| ford                 | FORD                     | P        | L                      | - | Type (FORD TYPE)<br>(0) Generic/unknown   | N(11,0) |
| • Generic/unknown    |                          |          |                        |   |   | 563     |
| fort                 | FORT                     | -        | -                      | A | Type (FORT TYPE)<br>(0) Generic/unknown   | N(11,0) |
| • Generic/unknown    |                          |          |                        |   |   | 585     |
| oil_fac              | GAS AND OIL FACILITIES   | P        | -                      | A | Type (GAS AND OIL FACILITIES TYPE)<br>(0) Generic/unknown   | N(11,0) |
| • Generic/unknown    |                          |          |                        |   |   | 788     |
| golf_co              | GOLF COURSE              | -        | -                      | A | Type (GOLF COURSE TYPE)<br>(0) Generic/unknown  | N(11,0) |
| • Generic/unknown    |                          |          |                        |   |   | 596     |
| golf_dr              | GOLF DRIVING RANGE       | P        | -                      | A | Type (GOLF DRIVING RANGE TYPE)<br>(0) Generic/unknown   | N(11,0) |
| • Generic/unknown    |                          |          |                        |   |   | 607     |
| haz_air              | HAZARD TO AIR NAVIGATION | P        | L                      | - | Type (TYPE OF HAZARD TO AIR NAVIGATION)<br>(0) Generic/unknown<br>(1) Parabolic antenna<br>(2) Chimney<br>(3) Tank<br>(4) Cross<br>(5) Wind-operated device<br>(6) Crane<br>(7) Water disturbance<br>(8) Bridge<br>(9) Navigational aid<br>(10) Tower<br>(11) Aerial cableway | N(11,0) |
|                      |                          |          |                        |   | P   | L       |
| • Generic/unknown    |                          | 1720     | • Navigational aid     |   | 1729  |         |
| • Aerial cableway    |                          | 1730     | • Parabolic antenna    |   | 1721  |         |
| • Bridge             |                          | 1728     | • Tank                 |   | 1723  |         |
| • Chimney            |                          | 1722     | • Tower                |   | 1731  |         |
| • Crane              |                          | 1726     | • Water disturbance    |   | 1727  |         |
| • Cross              |                          | 1724     | • Wind-operated device |   | 1725  |         |

| File name<br>(Part2)   | Entity name                         | Position  |   |   | Attribute name   | Type    |
|--|-------------------------------------|---|---|---|--|---------|
|  |                                     | P   | L | A |  |         |
| haz_nav  | HAZARD TO NAVIGATION                | P   | - | - | Type (HAZARD TO NAVIGATION TYPE)<br>(0) Generic/unknown<br>(1) Rock in water<br>(2) Exposed shipwreck<br>(3) Obstacle in water | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 1680</li> <li>Exposed shipwreck 1682</li> </ul>   |                                     | <ul style="list-style-type: none"> <li>Obstacle in water 1683</li> <li>Rock in water 1681</li> </ul>  |   |   |  |         |
| highw_e  | HIGHWAY EXIT                        | P   | - | - | Type (HIGHWAY EXIT TYPE)<br>(0) Generic/unknown  | N(11,0) |
|  |                                     | P   | - | - | Exit_no (HIGHWAY EXIT NUMBER)  | C(10)   |
| <ul style="list-style-type: none"> <li>Generic/unknown 1640</li> </ul>   |                                     |   |   |   |  |         |
| hi_site  | HISTORIC SITE/<br>POINT OF INTEREST | P   | - | - | Type (HISTORIC SITE/POINT OF INTEREST TYPE)<br>(0) Generic/unknown   | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 640</li> </ul>  |                                     |   |   |   |  |         |
| kelp   | KELP                                | -   | - | A | Type (KELP TYPE)<br>(0) Generic/unknown  | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 662</li> </ul>  |                                     |   |   |   |  |         |
| li_road  | LIMITED-USE ROAD                    | -   | L | - | Classifica (LIMITED-USE ROAD CLASSIFICATION)<br>(0) Generic/unknown<br>(1) Winter<br>(2) Cart track<br>(3) Dry weather         | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 1645</li> <li>Cart track 1646</li> </ul>  |                                     | <ul style="list-style-type: none"> <li>Dry weather 1648</li> <li>Winter 1647</li> </ul>   |   |   |  |         |
| li_depo  | LIQUIDS DEPOT/DUMP                  | P   | - | A | Type (TYPE OF LIQUID)<br>(0) Unknown<br>(1) Water<br>(2) Drinking water<br>(3) Liquid waste                                    | N(11,0) |
|  |                                     | P   | - | A | Pond_type (POND TYPE)<br>(0) Unknown<br>(1) Other<br>(2) Filtration pond   | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 1665</li> <li>Drinking water, other 1671</li> <li>Liquid waste, sedimentation pond 1667</li> <li>Liquid waste, sewage disposal pond 1666</li> </ul> |                                     | <ul style="list-style-type: none"> <li>Liquid waste, unknown 1668</li> <li>Water, filtration pond 1670</li> <li>Water, other 1669</li> <li>Water, swimming pool 1672</li> </ul> |   |   |  |         |
| lock_ga  | LOCK GATE                           | P   | L | - | Type (TYPE OF LOCK GATE)<br>(0) Generic/unknown  | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 673</li> </ul>  |                                     |   |   |   |  |         |

| File name<br>(Part2)             | Entity name       | Position |                                 |   | Attribute name   | Type    |  |
|----------------------------------|-------------------|----------|---------------------------------|---|--|---------|--|
|                                  |                   | P        | L                               | A |  |         |  |
| lookout                          | LOOKOUT           | P        | -                               | A | Type (LOOKOUT TYPE)<br>(0) Generic/unknown   | N(11,0) |  |
| • Generic/unknown                |                   |          |                                 |   |  | 684     |  |
| lu_yard                          | LUMBER YARD       | -        | -                               | A | Type (LUMBER YARD TYPE)<br>(0) Generic/unknown   | N(11,0) |  |
| • Generic/unknown                |                   |          |                                 |   |  | 695     |  |
| marina                           | MARINA/YACHT CLUB | P        | -                               | - | Type (MARINA/YACHT CLUB TYPE)<br>(0) Generic/unknown<br>(1) Marina<br>(2) Yacht club                 | N(11,0) |  |
| • Generic/unknown                |                   | 701      | • Yacht club                    |   | 703  |         |  |
| • Marina                         |                   | 702      |                                 |   |  |         |  |
| mininga                          | MINING AREA       | P        | -                               | A | Nature (MINING AREA NATURE)<br>(0) Unknown<br>(1) Pit<br>(3) Quarry<br>(4) Mine                      | N(11,0) |  |
|                                  |                   | P        | -                               | A | Type (MINING AREA TYPE)<br>(0) Unknown<br>(1) Open pit<br>(2) Underground                            | N(11,0) |  |
|                                  |                   | P        | -                               | A | Status (MINING AREA STATUS)<br>(0) Unknown<br>(1) Operational<br>(2) Abandoned                       | N(11,0) |  |
| • Generic/unknown                |                   | 1690     | • Mine, unknown, operational    |   | 1696   |         |  |
| • Mine, open pit, operational    |                   | 1693     | • Pit, open pit, operational    |   | 1691   |         |  |
| • Mine, open pit, unknown        |                   | 1695     | • Quarry, open pit, operational |   | 1692   |         |  |
| • Mine, underground, operational |                   | 1697     | • Unknown, open pit, unknown    |   | 1698   |         |  |
| • Mine, unknown, abandoned       |                   | 1694     |                                 |   |  |         |  |
| moraine                          | MORaine           | -        | -                               | A | Type (MORaine TYPE)<br>(0) Generic/unknown   | N(11,0) |  |
| • Generic/unknown                |                   |          |                                 |   |  | 731     |  |
| n_canal                          | NAVIGABLE CANAL   | -        | L                               | A | Status (NAVIGABLE CANAL STATUS)<br>(0) Generic/unknown<br>(1) Abandoned<br>(2) Operational           | N(11,0) |  |
| • Generic/unknown                |                   | 742      | • Operational                   |   | 744  |         |  |
| • Abandoned                      |                   | 743      |                                 |   |  |         |  |
| nav_aid                          | NAVIGATIONAL AID  | P        | -                               | - | Type (NAVIGATIONAL AID TYPE)<br>(0) Generic/unknown<br>(1) Navigation beacon<br>(2) Navigation light | N(11,0) |  |
| • Generic/unknown                |                   | 765      | • Navigation light              |   | 766  |         |  |
| • Navigation beacon              |                   | 767      |                                 |   |  |         |  |

| File name<br>(Part2) | Entity name            | Position |                   |   | Attribute name   | Type    |
|----------------------|------------------------|----------|-------------------|---|--|---------|
|                      |                        | P        | L                 | A |  |         |
| nts_lim              | NTS TERRITORIAL LIMITS | -        | L                 | - | Type (NTS TERRITORIAL LIMITS TYPE)<br>(0) Generic/unknown  | N(11,0) |
| • Generic/unknown    |                        |          |                   |   |  | 1536    |
| oil_fie              | OIL OR GAS FIELD       | P        | -                 | - | Type (OIL OR GAS FIELD TYPE)<br>(0) Generic/unknown  | N(11,0) |
| • Generic/unknown    |                        |          |                   |   |  | 793     |
| palsa_b              | PALSA BOG              | -        | -                 | A | Type (PALSA BOG TYPE)<br>(0) Generic/unknown   | N(11,0) |
| • Generic/unknown    |                        |          |                   |   |  | 799     |
| p_anten              | PARABOLIC ANTENNA      | P        | -                 | - | Type (PARABOLIC ANTENNA TYPE)<br>(0) Generic/unknown<br>(1) Radar<br>(2) Radio telescope         | N(11,0) |
| • Generic/unknown    |                        | 810      | • Radio telescope |   | 812  |         |
| • Radar              |                        | 811      |                   |   |  |         |
| park_sp              | PARK/SPORTS FIELD      | -        | -                 | A | Type (PARK/SPORTS FIELD TYPE)<br>(0) Generic/unknown   | N(11,0) |
| • Generic/unknown    |                        |          |                   |   |  | 823     |
| peat_cu              | PEAT CUTTING           | -        | -                 | A | Type (PEAT CUTTING TYPE)<br>(0) Generic/unknown  | N(11,0) |
| • Generic/unknown    |                        |          |                   |   |  | 834     |
| pe_snow              | PERMANENT SNOW AND ICE | -        | -                 | A | Type (PERMANENT SNOW AND ICE TYPE)<br>(0) Generic/unknown<br>(1) Debris-covered ice<br>(2) Other | N(11,0) |
| • Generic/unknown    |                        | 845      | • Other           |   | 847  |         |
| • Debris-covered ice |                        | 846      |                   |   |  |         |
| picnic               | PICNIC SITE            | P        | -                 | A | Type (PICNIC SITE TYPE)<br>(0) Generic/unknown   | N(11,0) |
| • Generic/unknown    |                        |          |                   |   |  | 858     |
| pingo                | PINGO                  | P        | -                 | - | Type (PINGO TYPE)<br>(0) Generic/unknown   | N(11,0) |
| • Generic/unknown    |                        |          |                   |   |  | 869     |

| File name<br>(Part2)  | Entity name    | Position   |   |   | Attribute name   | Type    |
|---|----------------|--|---|---|--|---------|
|   |                | P  | L | A |  |         |
| pipelin   | PIPELINE       | -  | L | - | Product (PIPELINE PRODUCT)<br>(0) Unknown<br>(1) Natural gas<br>(2) Oil<br>(3) Sewage/liquid waste<br>(4) Multiuse | N(11,0) |
|   |                | -  | L | - | Rel_ground (PIPELINE RELATIONSHIP TO GROUND)<br>(1) Aboveground<br>(2) Underground                                 | N(11,0) |
|   |                | -  | L | - | Nb_pipelin (NUMBER OF PIPELINES)   | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 880</li> <li>Multiuse, aboveground 890</li> <li>Multiuse, underground 891</li> <li>Natural gas, aboveground 881</li> <li>Natural gas, underground 882</li> </ul>   |                | <ul style="list-style-type: none"> <li>Oil, aboveground 883</li> <li>Oil, underground 884</li> <li>Sewage/liquid waste, aboveground 885</li> <li>Unknown, aboveground 886</li> <li>Unknown, underground 887</li> </ul>   |   |   |  |         |
| pond_pa   | POND PARTITION | -  | L | - | Type (POND PARTITION TYPE)<br>(0) Generic/unknown  | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 909</li> </ul>   |                |  |   |   |  |         |
| railway   | RAILWAY        | -  | L | - | Gauge (RAILWAY GAUGE)<br>(0) Unknown<br>(1) Narrow<br>(2) Special<br>(3) Standard                                  | N(11,0) |
|   |                | -  | L | - | Rel_ground (RAILWAY RELATIONSHIP TO THE GROUND)<br>(0) Unknown<br>(1) Ground level<br>(2) Other                    | N(11,0) |
|   |                | -  | L | - | Status (RAILWAY STATUS)<br>(0) Unknown<br>(1) Abandoned<br>(2) Operational<br>(3) Under construction               | N(11,0) |
|   |                | -  | L | - | Type (RAILWAY TYPE)<br>(0) Unknown<br>(1) Multiple<br>(2) Side track<br>(3) Single                                 | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 934</li> <li>Narrow, unknown, operational, unknown 936</li> <li>Narrow, unknown, operational, side track 937</li> <li>Special, ground level, operational, multiple 944</li> <li>Special, ground level, operational, single 945</li> <li>Special, other, operational, multiple 960</li> <li>Special, other, operational, single 961</li> <li>Special, unknown, under construction, multiple 942</li> <li>Special, unknown, under construction, single 943</li> <li>Standard, ground level, operational, multiple 954</li> </ul> |                | <ul style="list-style-type: none"> <li>Standard, ground level, operational, side track 955</li> <li>Standard, ground level, operational, single 956</li> <li>Standard, other, operational, multiple 957</li> <li>Standard, other, operational, side track 959</li> <li>Standard, other, operational, single 958</li> <li>Standard, unknown, under construction, multiple 952</li> <li>Standard, unknown, under construction, single 953</li> <li>Unknown, unknown, abandoned, unknown 935</li> <li>Unknown, unknown, operational, unknown 962</li> </ul> |   |   |  |         |

| File name<br>(Part2)   | Entity name      | Position  |   |   | Attribute name   | Type    |
|--|------------------|---|---|---|--|---------|
|  |                  | P   | L | A |  |         |
| road   | ROAD             | -   | L | - | Classifica (ROAD CLASSIFICATION)<br>(0) Unknown<br>(1) Highway<br>(2) Main<br>(3) Secondary<br>(4) Street<br>(5) Rapid transit | N(11,0) |
|  |                  | -   | L | - | Support (ROAD SUPPORT)<br>(0) Unknown<br>(1) Ground level<br>(2) Other   | N(11,0) |
|  |                  | -   | L | - | Surface (ROAD SURFACE)<br>(0) Unknown<br>(1) Hard surface<br>(2) Loose surface   | N(11,0) |
|  |                  | -   | L | - | Status (ROAD STATUS)<br>(0) Unknown<br>(1) Operational<br>(2) Under construction   | N(11,0) |
|  |                  | -   | L | - | Nb_lanes (NUMBER OF LANES)   | N(11,0) |
|  |                  | -   | L | - | Fir_roadno (FIRST ROAD NUMBER)   | C(30)   |
|  |                  | -   | L | - | Sec_roadno (SECOND ROAD NUMBER)  | C(30)   |
|  |                  | -   | L | - | Thi_roadno (THIRD ROAD NUMBER)   | C(30)   |
| <ul style="list-style-type: none"> <li>• Generic/unknown 1594</li> <li>• Highway, ground level, hard surface, operational 1596</li> <li>• Highway, ground level, loose surface, operational 1595</li> <li>• Highway, ground level, unknown, unknown 1621</li> <li>• Highway, other, hard surface, operational 1597</li> <li>• Highway, unknown, unknown, under construction 1598</li> <li>• Main, ground level, hard surface, operational 1603</li> <li>• Main, ground level, loose surface, operational 1604</li> <li>• Main, ground level, unknown, unknown 1622</li> <li>• Main, other, hard surface, operational 1605</li> <li>• Main, unknown, unknown, under construction 1606</li> <li>• Rapid transit, ground level, hard surface, operational 1600</li> <li>• Rapid transit, other, hard surface, operational 1601</li> </ul> |                  | <ul style="list-style-type: none"> <li>• Rapid transit, unknown, unknown, under construction 1602</li> <li>• Secondary, ground level, hard surface, operational 1612</li> <li>• Secondary, ground level, loose surface, operational 1611</li> <li>• Secondary, ground level, unknown, unknown 1623</li> <li>• Secondary, other, hard surface, operational 1613</li> <li>• Secondary, unknown, unknown, under construction 1614</li> <li>• Street, ground level, hard surface, operational 1608</li> <li>• Street, ground level, loose surface, operational 1607</li> <li>• Street, ground level, unknown, unknown 1624</li> <li>• Street, other, hard surface, operational 1609</li> <li>• Street, unknown, unknown, under construction 1610</li> <li>• Unknown, ground level, unknown, unknown 1599</li> </ul> |   |   |  |         |
| rock_le  | ROCKY LEDGE/REEF | -   | - | A | Type (ROCKY LEDGE/REEF TYPE)<br>(0) Generic/unknown  | N(11,0) |
| <ul style="list-style-type: none"> <li>• Generic/unknown 1044</li> </ul>   |                  |   |   |   |  |         |
| ruins  | RUINS            | P   | - | A | Type (RUINS TYPE)<br>(0) Generic/unknown   | N(11,0) |
| <ul style="list-style-type: none"> <li>• Generic/unknown 1055</li> </ul>   |                  |   |   |   |  |         |



| File name<br>(Part2)  | Entity name   | Position   |   |   | Attribute name   | Type    |
|---|---------------|--|---|---|--|---------|
|   |               | P  | L | A |  |         |
| runway  | RUNWAY        | P  | - | A | Category (RUNWAY CATEGORY)<br>(0) Unknown<br>(1) Airfield<br>(2) Airport<br>(3) Heliport | N(11,0) |
|   |               | P  | - | A | Status (RUNWAY STATUS)<br>(0) Unknown<br>(1) Abandoned<br>(2) Operational                | N(11,0) |
|   |               | P  | - | A | Surface (RUNWAY SURFACE)<br>(0) Unknown<br>(1) Hard surface<br>(2) Loose surface         | N(11,0) |
| <ul style="list-style-type: none"> <li>• Generic/unknown 1066</li> <li>• Airfield, operational, hard surface 1068</li> <li>• Airfield, operational, loose surface 1069</li> <li>• Airfield, operational, unknown 1075</li> <li>• Airfield, unknown, unknown 1067</li> </ul> |               | <ul style="list-style-type: none"> <li>• Airport, operational, hard surface 1070</li> <li>• Airport, operational, loose surface 1072</li> <li>• Airport, operational, unknown 1074</li> <li>• Heliport, operational, unknown 1073</li> <li>• Unknown, abandoned, unknown 1071</li> </ul> |   |   |  |         |
| sand  | SAND          | -  | - | A | Location (SAND LOCATION)<br>(0) Generic/unknown<br>(1) Underwater<br>(2) Other           | N(11,0) |
| <ul style="list-style-type: none"> <li>• Generic/unknown 1082</li> <li>• Other 1083</li> </ul>  |               | <ul style="list-style-type: none"> <li>• Underwater 1084</li> </ul>  |   |   |  |         |
| seapl_b   | SEAPLANE BASE | P  | - | - | Type (SEAPLANE BASE FACILITIES TYPE)<br>(0) Generic/unknown<br>(1) Anchorage<br>(2) Base | N(11,0) |
| <ul style="list-style-type: none"> <li>• Generic/unknown 1095</li> <li>• Anchorage 1096</li> </ul>  |               | <ul style="list-style-type: none"> <li>• Base 1097</li> </ul>  |   |   |  |         |
| seawall   | SEAWALL       | -  | L | - | Type (SEAWALL TYPE)<br>(0) Generic/unknown   | N(11,0) |
| <ul style="list-style-type: none"> <li>• Generic/unknown 1108</li> </ul>  |               |  |   |   |  |         |
| shrine  | SHRINE        | P  | - | - | Type (SHRINE TYPE)<br>(0) Generic/unknown  | N(11,0) |
| <ul style="list-style-type: none"> <li>• Generic/unknown 1119</li> </ul>  |               |  |   |   |  |         |
| silo  | SILO          | P  | - | - | Type (SILO TYPE)<br>(0) Generic/unknown  | N(11,0) |
| <ul style="list-style-type: none"> <li>• Generic/unknown 1130</li> </ul>  |               |  |   |   |  |         |
| ski_cen   | SKI CENTRE    | P  | - | - | Type (SKI CENTRE TYPE)<br>(0) Generic/unknown  | N(11,0) |
| <ul style="list-style-type: none"> <li>• Generic/unknown 1141</li> </ul>  |               |  |   |   |  |         |

| File name<br>(Part2)          | Entity name             | Position |                                  |   | Attribute name  | Type    |  |
|-------------------------------|-------------------------|----------|----------------------------------|---|---|---------|--|
|                               |                         | P        | L                                | A |   |         |  |
| ski_jum                       | SKI JUMP                | P        | -                                | - | Type (SKI JUMP TYPE)<br>(0) Generic/unknown                                       | N(11,0) |  |
| • Generic/unknown             |                         |          |                                  |   |   | 1152    |  |
| slip                          | SLIP                    | -        | -                                | A | Type (SLIP TYPE)<br>(0) Generic/unknown<br>(1) Other<br>(2) Dry dock              | N(11,0) |  |
| • Generic/unknown             |                         | 406      | • Other                          |   | 407   |         |  |
| • Dry dock                    |                         | 408      |                                  |   |   |         |  |
| snowshe                       | SNOWSHED                | -        | L                                | - | Type (SNOWSHED TYPE)<br>(0) Generic/unknown                                       | N(11,0) |  |
| • Generic/unknown             |                         |          |                                  |   |   | 1185    |  |
| so_depo                       | SOLIDS DEPOT/DUMP       | P        | -                                | A | Nature (SOLIDS DEPOT NATURE)<br>(0) Unknown<br>(1) Domestic<br>(2) Industrial     | N(11,0) |  |
|                               |                         | P        | -                                | A | Type (SOLIDS DEPOT TYPE)<br>(0) Unknown<br>(1) Waste<br>(2) Stockpile             | N(11,0) |  |
|                               |                         | P        | -                                | A | Status (SOLIDS DEPOT STATUS)<br>(0) Unknown<br>(1) Abandoned<br>(2) Other         | N(11,0) |  |
| • Generic/unknown             |                         | 1655     | • Industrial, stockpile, unknown |   | 1659  |         |  |
| • Domestic , waste, abandoned |                         | 1656     | • Industrial, waste, unknown     |   | 1658  |         |  |
| • Domestic , waste, other     |                         | 1657     |                                  |   |   |         |  |
| sport_t                       | SPORTS TRACK/RACE TRACK | -        | L                                | A | Type (SPORTS TRACK/RACE TRACK TYPE)<br>(0) Unknown<br>(1) Drag strip<br>(2) Other | N(11,0) |  |
| • Generic/unknown             |                         | 1196     | • Other                          |   | 1198  |         |  |
| • Drag strip                  |                         | 1197     |                                  |   |   |         |  |
| spring                        | SPRING                  | P        | -                                | - | Type (SPRING TYPE)<br>(0) Generic/unknown   | N(11,0) |  |
| • Generic/unknown             |                         |          |                                  |   |   | 1209    |  |
| stadium                       | STADIUM                 | -        | -                                | A | Type (STADIUM TYPE)<br>(0) Generic/unknown  | N(11,0) |  |
| • Generic/unknown             |                         |          |                                  |   |   | 1220    |  |
| stockya                       | STOCKYARD               | -        | -                                | A | Type (STOCKYARD TYPE)<br>(0) Generic/unknown                                      | N(11,0) |  |
| • Generic/unknown             |                         |          |                                  |   |   | 1242    |  |

| File name<br>(Part2)  | Entity name | Position |   |                     | Attribute name   | Type    |
|-----------------------|-------------|----------|---|---------------------|--|---------|
|                       |             | P        | L | A                   |  |         |
| stringb               | STRING BOG  | -        | - | A                   | Type (STRING BOG TYPE)<br>(0) Generic/unknown  | N(11,0) |
| • Generic/unknown     |             | 1253     |   |                     |  |         |
| tank                  | TANK        | P        | - | A                   | Type (TANK TYPE)<br>(0) Unknown<br>(1) Horizontal<br>(2) Vertical  | N(11,0) |
|                       |             | P        | - | A                   | Use (TANK USE)<br>(0) Unknown<br>(1) Other<br>(2) Water  | N(11,0) |
| • Generic/unknown     |             | 1275     |   | • Vertical, unknown |  | 1279    |
| • Horizontal, unknown |             | 1276     |   | • Vertical, water   |  | 1278    |
| • Vertical, other     |             | 1277     |   |                     |  |         |
| toponym               | TOPONYM     | P        | - | -                   | Type (TOPONYM TYPE)<br>(0) Generic/unknown<br>(1) Place<br>(2) Hydrography<br>(3) Shoreline<br>(4) Relief<br>(5) Transportation  | N(11,0) |
|                       |             | P        | - | -                   | Name (NAME (TOPONYM))  | C(100)  |
|                       |             | P        | - | -                   | Cgndb_id (CGNDB* (TOPONYM) IDENTIFIER)   | C(5)    |
| • Generic/unknown     |             | 1850     |   | • Relief            |  | 1854    |
| • Hydrography         |             | 1852     |   | • Shoreline         |  | 1853    |
| • Place               |             | 1851     |   | • Transportation    |  | 1855    |
| tower                 | TOWER       | P        | - | -                   | Function (TOWER FUNCTION)<br>(0) Generic/unknown<br>(1) Clearance<br>(2) Communication<br>(3) Control<br>(4) Fire<br>(5) Lookout | N(11,0) |
| • Generic/unknown     |             | 1289     |   | • Control           |  | 1292    |
| • Clearance           |             | 1290     |   | • Fire              |  | 1293    |
| • Communication       |             | 1291     |   | • Lookout           |  | 1294    |
| trail                 | TRAIL       | -        | L | -                   | Function (TRAIL FUNCTION)<br>(0) Generic/unknown<br>(1) Other<br>(2) Portage   | N(11,0) |
| • Generic/unknown     |             | 1305     |   | • Portage           |  | 1307    |
| • Other               |             | 1306     |   |                     |  |         |

\* CGNDB = Canadian Geographical Names Data Base

| File name<br>(Part2)  | Entity name           | Position |   |   | Attribute name   | Type    |
|---|-----------------------|----------|---|---|--|---------|
|   |                       | P        | L | A |  |         |
| trans_s   | TRANSFORMER STATION   | P        | - | A | Type (TRANSFORMER STATION TYPE)<br>(0) Generic/unknown   | N(11,0) |
| • Generic/unknown   |                       |          |   |   |  | 1318    |
| trans_l   | TRANSMISSION LINE     | -        | L | - | Function (TRANSMISSION LINE FUNCTION)<br>(0) Unknown<br>(1) Power<br>(2) Telephone   | N(11,0) |
|   |                       | -        | L | - | Location (TRANSMISSION LINE LOCATION)<br>(0) Unknown<br>(1) Other<br>(2) Submarine   | N(11,0) |
|   |                       | -        | L | - | Nb_lines (NUMBER OF TRANSMISSION LINES)  | N(11,0) |
| • Generic/unknown 1329 • Power, submarine 1331<br>• Power, other 1330 • Telephone, other 1332               |                       |          |   |   |  |         |
| tund_po   | TUNDRA POLYGON        | -        | - | A | Type (TUNDRA POLYGON TYPE)<br>(0) Generic/unknown  | N(11,0) |
| • Generic/unknown   |                       |          |   |   |  | 1354    |
| tund_pd   | TUNDRA POND           | -        | - | A | Type (TUNDRA POND TYPE)<br>(0) Generic/unknown   | N(11,0) |
| • Generic/unknown   |                       |          |   |   |  | 1365    |
| tunnel  | TUNNEL                | -        | L | - | Type (TUNNEL TYPE)<br>(0) Generic/unknown  | N(11,0) |
| • Generic/unknown   |                       |          |   |   |  | 1376    |
| turntab   | TURNTABLE             | P        | - | - | Type (TURNTABLE TYPE)<br>(0) Generic/unknown   | N(11,0) |
| • Generic/unknown   |                       |          |   |   |  | 1387    |
| u_reser   | UNDERGROUND RESERVOIR | P        | - | A | Type (UNDERGROUND RESERVOIR TYPE)<br>(0) Generic/unknown   | N(11,0) |
| • Generic/unknown   |                       |          |   |   |  | 1710    |
| valve   | VALVE                 | P        | - | - | Type (VALVE TYPE)<br>(0) Generic/unknown   | N(11,0) |
| • Generic/unknown   |                       |          |   |   |  | 1398    |
| vegetat   | VEGETATION            | -        | - | A | Type (VEGETATION TYPE)<br>(0) Generic/unknown<br>(1) Orchard<br>(2) Vineyard/Hopfield<br>(3) Wooded area<br>(4) Tree nursery | N(11,0) |
| • Generic/unknown 1409 • Vineyard/Hopfield 1411<br>• Orchard 1410 • Wooded area 1412<br>• Tree nursery 1413 |                       |          |   |   |  |         |

| File name<br>(Part2)  | Entity name          | Position  |   |   | Attribute name   | Type    |
|---|----------------------|---|---|---|--|---------|
|   |                      | P   | L | A |  |         |
| wall_fe   | WALL/FENCE           | -   | L | - | Type (WALL/FENCE TYPE)<br>(0) Generic/unknown<br>(1) Fence<br>(2) Wall   | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 1423</li> <li>Fence 1424</li> </ul>  |                      | <ul style="list-style-type: none"> <li>Wall 1425</li> </ul>                                 |   |   |  |         |
| wat_dis   | WATER DISTURBANCE    | P   | L | A | Type (WATER DISTURBANCE TYPE)<br>(0) Generic/unknown<br>(1) Falls<br>(2) Rapids  | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 1700</li> <li>Falls 1701</li> </ul>  |                      | <ul style="list-style-type: none"> <li>Rapids 1702</li> </ul>                               |   |   |  |         |
| water_b   | WATERBODY            | -   | - | A | Type (WATERBODY TYPE)<br>(0) Generic/unknown<br>(1) Intermittent/slough<br>(2) Other<br>(3) Irrigation canal<br>(4) Flooded area | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 1449</li> <li>Flooded area 1454</li> <li>Intermittent/slough 1450</li> </ul> |                      | <ul style="list-style-type: none"> <li>Irrigation canal 1453</li> <li>Other 1452</li> </ul> |   |   |  |         |
| water_c   | WATERCOURSE          | -   | L | - | Type (WATERCOURSE TYPE)<br>(0) Generic/unknown   | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 1463</li> </ul>  |                      |   |   |   |  |         |
| well  | WELL                 | P   | - | - | Type (WELL TYPE)<br>(0) Generic/unknown<br>(1) Brine<br>(2) Petroleum<br>(3) Water   | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 1478</li> <li>Brine 1479</li> </ul>  |                      | <ul style="list-style-type: none"> <li>Petroleum 1480</li> <li>Water 1481</li> </ul>        |   |   |  |         |
| wetland   | WETLAND              | -   | - | A | Type (WETLAND TYPE)<br>(0) Generic/unknown   | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 1492</li> </ul>  |                      |   |   |   |  |         |
| wharf   | WHARF                | -   | L | - | Type (WHARF TYPE)<br>(0) Generic/unknown   | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 1503</li> </ul>  |                      |   |   |   |  |         |
| wind_de   | WIND-OPERATED DEVICE | P   | - | - | Type (WIND-OPERATED DEVICE TYPE)<br>(0) Generic/unknown  | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 1514</li> </ul>  |                      |   |   |   |  |         |
| zoo   | ZOO                  | -   | - | A | Type (ZOO TYPE)<br>(0) Generic/unknown   | N(11,0) |
| <ul style="list-style-type: none"> <li>Generic/unknown 1525</li> </ul>  |                      |   |   |   |  |         |

**13- List of Entity Names, Combinations of Attribute Values and Shapefile Names**

| Entity name                     | Combination of Attribute values | Theme | Explicit code | File name | 1:50,000 |   |   | 1:250,000 |   |   |
|---------------------------------|---------------------------------|-------|---------------|-----------|----------|---|---|-----------|---|---|
|                                 |                                 |       |               |           | P        | L | A | P         | L | A |
| Aerial cableway                 | Generic/unknown                 | CO    | 10            | a_cable   |          | l |   |           | l |   |
|                                 | Other                           | CO    | 11            | a_cable   |          | l |   |           | l |   |
|                                 | Ski lift                        | CO    | 12            | a_cable   |          | l |   |           | l |   |
| Amusement park                  | Generic/unknown                 | AD    | 23            | am_park   |          |   | a |           |   |   |
| Auto wrecker                    | Generic/unknown                 | AD    | 34            | auto_wr   |          |   | a |           |   |   |
| Barrier/gate                    | Generic/unknown                 | RR    | 45            | barrier   | p        |   |   |           |   |   |
|                                 | Other                           | RR    | 46            | barrier   | p        |   |   |           |   |   |
|                                 | Tollgate                        | RR    | 47            | barrier   | p        |   |   |           |   |   |
| Boat ramp                       | Generic/unknown                 | HD    | 58            | boat_ra   | p        |   |   |           |   |   |
| Botanical garden                | Generic/unknown                 | AD    | 69            | bo_gard   |          |   | a |           |   |   |
| Breakwater                      | Generic/unknown                 | HD    | 80            | breakwa   |          | l |   |           | l |   |
| Bridge                          | Generic/unknown                 | CO    | 91            | bridge    |          | l |   |           | l |   |
|                                 | Covered                         | CO    | 92            | bridge    |          | l |   |           |   |   |
|                                 | Moveable surface                | CO    | 93            | bridge    |          | l |   |           |   |   |
|                                 | Other                           | CO    | 94            | bridge    |          | l |   |           |   |   |
| Building                        | Generic/unknown                 | CO    | 105           | buildin   | p        |   | a | p         |   |   |
|                                 | Arena                           | CO    | 106           | buildin   | p        |   | a |           |   |   |
|                                 | Armoury                         | CO    | 107           | buildin   | p        |   | a |           |   |   |
|                                 | Barn/machinery shed             | CO    | 109           | buildin   | p        |   | a |           |   |   |
|                                 | Cabin                           | CO    | 110           | buildin   | p        |   | a | p         |   |   |
|                                 | City hall                       | CO    | 114           | buildin   | p        |   | a |           |   |   |
|                                 | Coast guard station             | CO    | 115           | buildin   | p        |   | a | p         |   |   |
|                                 | Community centre                | CO    | 117           | buildin   | p        |   | a |           |   |   |
|                                 | Courthouse                      | CO    | 120           | buildin   | p        |   | a |           |   |   |
|                                 | Customs post                    | CO    | 121           | buildin   | p        |   | a | p         |   |   |
|                                 | Dome                            | CO    | 122           | buildin   | p        |   | a |           |   |   |
|                                 | Electric power station          | CO    | 123           | buildin   | p        |   | a | p         |   |   |
|                                 | Fire station                    | CO    | 126           | buildin   | p        |   | a |           |   |   |
|                                 | Fish hatchery                   | CO    | 128           | buildin   | p        |   | a |           |   |   |
|                                 | Grain elevator                  | CO    | 130           | buildin   | p        |   | a |           |   |   |
|                                 | Hall                            | CO    | 131           | buildin   | p        |   | a |           |   |   |
|                                 | Highway service centre          | CO    | 132           | buildin   | p        |   | a | p         |   |   |
|                                 | Hospital                        | CO    | 133           | buildin   | p        |   | a |           |   |   |
|                                 | Kiln (tobacco)                  | CO    | 136           | buildin   | p        |   | a |           |   |   |
|                                 | Medical centre                  | CO    | 139           | buildin   | p        |   | a |           |   |   |
|                                 | Municipal hall                  | CO    | 142           | buildin   | p        |   | a |           |   |   |
|                                 | Museum                          | CO    | 143           | buildin   | p        |   | a |           |   |   |
|                                 | Observatory                     | CO    | 145           | buildin   | p        |   | a |           |   |   |
| Gas and oil facilities building | CO                              | 146   | buildin       |           |          | a |   |           |   |   |
| Other                           | CO                              | 147   | buildin       | p         |          | a |   |           |   |   |
| Parliament building             | CO                              | 149   | buildin       | p         |          | a |   |           |   |   |
| Police station                  | CO                              | 153   | buildin       | p         |          | a | p |           |   |   |
| Railway station                 | CO                              | 155   | buildin       | p         |          | a | p |           |   |   |

| Entity name           | Combination of Attribute values | Theme              | Explicit code | File name | 1:50,000 |   |   | 1:250,000 |   |   |  |
|-----------------------|---------------------------------|--------------------|---------------|-----------|----------|---|---|-----------|---|---|--|
|                       |                                 |                    |               |           | P        | L | A | P         | L | A |  |
| Building (Continued)  | Sanatorium                      | CO                 | 157           | buildin   | p        |   | a |           |   |   |  |
|                       | Satellite-tracking station      | CO                 | 158           | buildin   | p        |   | a |           |   |   |  |
|                       | Senior citizens home            | CO                 | 162           | buildin   | p        |   | a |           |   |   |  |
|                       | Shopping centre                 | CO                 | 165           | buildin   |          |   | a |           |   |   |  |
|                       | Sportsplex                      | CO                 | 166           | buildin   | p        |   | a |           |   |   |  |
|                       | Trading post                    | CO                 | 168           | buildin   | p        |   | a | p         |   |   |  |
|                       | Warden/ranger station           | CO                 | 170           | buildin   | p        |   | a | p         |   |   |  |
|                       | Weigh scale (highway)           | CO                 | 172           | buildin   | p        |   | a |           |   |   |  |
|                       | Greenhouse                      | CO                 | 174           | buildin   | p        |   | a |           |   |   |  |
|                       | Penal building                  | CO                 | 175           | buildin   | p        |   | a |           |   |   |  |
|                       | Lodging facilities              | CO                 | 176           | buildin   | p        |   | a |           |   |   |  |
|                       | Industrial building             | CO                 | 177           | buildin   |          |   | a |           |   |   |  |
|                       | Built-up area                   | Religious building | CO            | 178       | buildin  | p |   | a         | p |   |  |
| Educational building  |                                 | CO                 | 179           | buildin   | p        |   | a | p         |   |   |  |
| Generic/unknown       |                                 | CO                 | 184           | builtup   |          |   | a | p         |   | a |  |
| Other                 |                                 | CO                 | 185           | builtup   |          |   | a |           |   |   |  |
| Mobile home park      |                                 | CO                 | 186           | builtup   |          |   | a |           |   |   |  |
| Camp                  |                                 | AD                 | 206           | camp      | p        |   |   |           |   |   |  |
| Campground            |                                 | AD                 | 217           | campgro   | p        |   | a | p         |   |   |  |
| Cave entrance         |                                 | FO                 | 239           | cave_en   | p        |   |   |           |   |   |  |
| Cemetery              |                                 | AD                 | 250           | cemeter   | p        |   | a |           |   |   |  |
| Chimney               |                                 | Generic/unknown    | CO            | 261       | chimney  | p |   |           | p |   |  |
|                       |                                 | Flare stack        | CO            | 262       | chimney  | p |   |           | p |   |  |
|                       |                                 | Industrial         | CO            | 263       | chimney  | p |   |           | p |   |  |
| Conduit               |                                 | Burner             | CO            | 264       | chimney  | p |   |           |   |   |  |
|                       | Generic/unknown                 | HD                 | 274           | conduit   |          | l |   |           | l |   |  |
|                       | Ground level, penstock          | HD                 | 275           | conduit   |          | l |   |           | l |   |  |
|                       | Underground, penstock           | HD                 | 276           | conduit   |          | l |   |           | l |   |  |
|                       | Ground level, other             | HD                 | 277           | conduit   |          | l |   |           | l |   |  |
|                       | Underground, other              | HD                 | 278           | conduit   |          | l |   |           | l |   |  |
|                       | Ground level, unknown           | HD                 | 279           | conduit   |          | l |   |           | l |   |  |
|                       | Underground, unknown            | HD                 | 280           | conduit   |          | l |   |           | l |   |  |
|                       | Conduit bridge                  | CO                 | 289           | co_brid   |          | l |   |           |   |   |  |
|                       | Contour                         | Generic/unknown    | HP            | 1558      | contour  |   | l |           |   | l |  |
| Depression, collected |                                 | HP                 | 1559          | contour   |          | l |   |           | l |   |  |
| Depression, other     |                                 | HP                 | 1560          | contour   |          | l |   |           | l |   |  |
| Other, collected      |                                 | HP                 | 1561          | contour   |          | l |   |           | l |   |  |
| Other, other          |                                 | HP                 | 1562          | contour   |          | l |   |           | l |   |  |
| Other, unknown        |                                 | HP                 | 1563          | contour   |          | l |   |           | l |   |  |
| Depression, unknown   |                                 | HP                 | 1564          | contour   |          | l |   |           | l |   |  |
| Conveyor              | Generic/unknown                 | CO                 | 300           | conveyo   |          | l |   |           | l |   |  |
|                       | Crane                           | Generic/unknown    | CO            | 311       | crane    | p | l |           |   |   |  |
| Moveable              |                                 | CO                 | 312           | crane     |          | l |   |           |   |   |  |
| Stationary            |                                 | CO                 | 313           | crane     | p        |   |   |           |   |   |  |

| Entity name            | Combination of Attribute values | Theme | Explicit code | File name | 1:50,000 |   |   | 1:250,000 |   |   |
|------------------------|---------------------------------|-------|---------------|-----------|----------|---|---|-----------|---|---|
|                        |                                 |       |               |           | P        | L | A | P         | L | A |
| Cross                  | Generic/unknown                 | CO    | 324           | cross     | p        |   |   |           |   |   |
| Cut                    | Generic/unknown                 | CO    | 335           | cut       |          |   | a |           |   | a |
| Cut line               | Generic/unknown                 | VE    | 346           | cut_lin   |          | l |   |           | l |   |
|                        | Firebreak                       | VE    | 347           | cut_lin   |          | l |   |           |   |   |
| Dam                    | Other                           | VE    | 348           | cut_lin   |          | l |   |           |   |   |
|                        | Generic/unknown                 | HD    | 359           | dam       | p        | l | a | p         | l | a |
|                        | Other                           | HD    | 360           | dam       | p        | l | a | p         | l | a |
| Disappearing stream    | Sluice gate                     | HD    | 361           | dam       | p        | l |   |           |   |   |
|                        | Generic/unknown                 | HD    | 370           | dis_str   | p        |   |   | p         |   |   |
| Discontinuity point    | Other                           | HD    | 371           | dis_str   | p        |   |   | p         |   |   |
|                        | Sinkhole                        | HD    | 372           | dis_str   | p        |   |   | p         |   |   |
|                        | Generic/unknown                 | GE    | 1590          | disc_pt   | p        |   |   | p         |   |   |
| Drive-in theatre       | Dead end                        | GE    | 1591          | disc_pt   | p        |   |   | p         |   |   |
|                        | Generic/unknown                 | AD    | 383           | drivein   | p        |   | a |           |   |   |
| Dry river bed          | Generic/unknown                 | HD    | 394           | dry_riv   |          |   | a |           |   | a |
| Dyke/levee             | Generic/unknown                 | HD    | 429           | dyke_le   |          | l |   |           | l |   |
| Elevation point        | Generic/unknown                 | HP    | 1573          | elev_pt   | p        |   |   | p         |   |   |
|                        | Precise altitude                | HP    | 1575          | elev_pt   | p        |   |   | p         |   |   |
|                        | Spot height                     | HP    | 1576          | elev_pt   | p        |   |   | p         |   |   |
| Embankment             | Generic/unknown                 | CO    | 440           | embankm   |          |   | a |           |   | a |
|                        | Other                           | CO    | 441           | embankm   |          |   | a |           |   | a |
|                        | Causeway                        | CO    | 442           | embankm   |          |   | a |           |   | a |
| Esker                  | Generic/unknown                 | FO    | 451           | esker     |          | l |   |           | l |   |
| Exhibition ground      | Generic/unknown                 | AD    | 462           | exhib_g   |          |   | a |           |   |   |
|                        | Other                           | AD    | 463           | exhib_g   |          |   | a |           |   |   |
|                        | Fairground                      | AD    | 464           | exhib_g   |          |   | a |           |   |   |
| Ferry route            | Generic/unknown                 | RR    | 508           | ferry_r   | p        | l |   | p         | l |   |
| Fish ladder            | Generic/unknown                 | AD    | 519           | fish_la   | p        |   |   |           |   |   |
| Fish pound             | Generic/unknown                 | HD    | 530           | fish_po   |          |   | a |           |   |   |
| Footbridge             | Generic/unknown                 | CO    | 552           | footbri   |          | l |   |           |   |   |
| Ford                   | Generic/unknown                 | CH    | 563           | ford      | p        | l |   |           |   |   |
| Fort                   | Generic/unknown                 | AD    | 585           | fort      |          |   | a |           |   |   |
| Gas and oil facilities | Generic/unknown                 | AD    | 788           | oil_fac   | p        |   | a | p         |   |   |
| Golf course            | Generic/unknown                 | AD    | 596           | golf_co   |          |   | a |           |   |   |
| Golf driving range     | Generic/unknown                 | AD    | 607           | golf_dr   | p        |   | a |           |   |   |



| Entity name                     | Combination of Attribute values    | Theme           | Explicit code | File name | 1:50,000 |   |   | 1:250,000 |   |   |  |
|---------------------------------|------------------------------------|-----------------|---------------|-----------|----------|---|---|-----------|---|---|--|
|                                 |                                    |                 |               |           | P        | L | A | P         | L | A |  |
| Hazard to air navigation        | Generic/unknown                    | FO              | 1720          | haz_air   | p        | l |   | p         | l |   |  |
|                                 | Parabolic antenna                  | FO              | 1721          | haz_air   | p        |   |   |           |   |   |  |
|                                 | Chimney                            | FO              | 1722          | haz_air   | p        |   |   | p         |   |   |  |
|                                 | Tank                               | FO              | 1723          | haz_air   | p        | l |   | p         |   |   |  |
|                                 | Cross                              | FO              | 1724          | haz_air   | p        |   |   |           |   |   |  |
|                                 | Wind-operated device               | FO              | 1725          | haz_air   | p        |   |   |           |   |   |  |
|                                 | Crane                              | FO              | 1726          | haz_air   | p        | l |   |           |   |   |  |
|                                 | Water disturbance                  | FO              | 1727          | haz_air   | p        | l |   | p         | l |   |  |
|                                 | Bridge                             | FO              | 1728          | haz_air   |          | l |   |           | l |   |  |
|                                 | Navigational aid                   | FO              | 1729          | haz_air   | p        |   |   | p         |   |   |  |
|                                 | Aerial cableway                    | FO              | 1730          | haz_air   |          | l |   |           | l |   |  |
| Hazard to navigation            | Tower                              | FO              | 1731          | haz_air   | p        |   |   | p         |   |   |  |
|                                 | Generic/unknown                    | HD              | 1680          | haz_nav   | p        |   |   | p         |   |   |  |
|                                 | Rock in water                      | HD              | 1681          | haz_nav   | p        |   |   | p         |   |   |  |
|                                 | Exposed shipwreck                  | HD              | 1682          | haz_nav   | p        |   |   |           |   |   |  |
| Highway exit                    | Obstacle in water                  | HD              | 1683          | haz_nav   | p        |   |   |           |   |   |  |
|                                 | Generic/unknown                    | RR              | 1640          | highw_e   | p        |   |   | p         |   |   |  |
| Historic site/point of interest | Generic/unknown                    | AD              | 640           | hi_site   | p        |   |   | p         |   |   |  |
| Kelp                            | Generic/unknown                    | HD              | 662           | kelp      |          |   | a |           |   |   |  |
| Limited-use road                | Generic/unknown                    | CH              | 1645          | li_road   |          | l |   |           | l |   |  |
|                                 | Cart track                         | CH              | 1646          | li_road   |          | l |   |           | l |   |  |
|                                 | Winter                             | CH              | 1647          | li_road   |          | l |   |           | l |   |  |
|                                 | Dry weather                        | CH              | 1648          | li_road   |          | l |   |           | l |   |  |
|                                 | Generic/unknown                    | CO              | 1665          | li_depo   | p        |   | a |           |   | a |  |
| Liquids depot/dump              | Liquid waste, sewage disposal pond | CO              | 1666          | li_depo   | p        |   | a |           |   |   |  |
|                                 | Liquid waste, sedimentation pond   | CO              | 1667          | li_depo   | p        |   | a |           |   |   |  |
|                                 | Liquid waste, unknown              | CO              | 1668          | li_depo   | p        |   | a |           |   | a |  |
|                                 | Water, other                       | CO              | 1669          | li_depo   | p        |   | a |           |   |   |  |
|                                 | Water, filtration pond             | CO              | 1670          | li_depo   | p        |   | a |           |   |   |  |
|                                 | Drinking water, other              | CO              | 1671          | li_depo   | p        |   | a |           |   | a |  |
|                                 | Water, swimming pool               | CO              | 1672          | li_depo   | p        |   | a |           |   |   |  |
|                                 | Lock gate                          | Generic/unknown | HD            | 673       | lock_ga  | p | l |           |   |   |  |
|                                 | Lookout                            | Generic/unknown | AD            | 684       | lookout  | p |   | a         |   |   |  |
| Lumber yard                     | Generic/unknown                    | AD              | 695           | lu_yard   |          |   | a |           |   |   |  |
| Marina/yacht club               | Generic/unknown                    | AD              | 701           | marina    | p        |   |   |           |   |   |  |
|                                 | Marina                             | AD              | 702           | marina    | p        |   |   |           |   |   |  |
|                                 | Yacht/club                         | AD              | 703           | marina    | p        |   |   |           |   |   |  |

| Entity name            | Combination of Attribute values  | Theme | Explicit code | File name | 1:50,000 |   |   | 1:250,000 |   |   |
|------------------------|----------------------------------|-------|---------------|-----------|----------|---|---|-----------|---|---|
|                        |                                  |       |               |           | P        | L | A | P         | L | A |
| Mining area            | Generic/unknown                  | AD    | 1690          | mininga   | p        |   | a | p         |   | a |
|                        | Pit, open pit, operational       | AD    | 1691          | mininga   |          |   | a |           |   | a |
|                        | Quarry, open pit, operational    | AD    | 1692          | mininga   |          |   | a |           |   | a |
|                        | Mine, open pit, operational      | AD    | 1693          | mininga   | p        |   | a |           |   |   |
|                        | Mine, unknown, abandoned         | AD    | 1694          | mininga   | p        |   | a | p         |   | a |
|                        | Mine, open pit, unknown          | AD    | 1695          | mininga   | p        |   | a |           |   |   |
|                        | Mine, unknown, operational       | AD    | 1696          | mininga   | p        |   | a | p         |   | a |
|                        | Mine, underground, operational   | AD    | 1697          | mininga   | p        |   |   |           |   |   |
|                        | Unknown, open pit, unknown       | AD    | 1698          | mininga   | p        |   | a |           |   | a |
| Moraine                | Generic/unknown                  | FO    | 731           | moraine   |          |   | a |           |   | a |
| Navigable canal        | Generic/unknown                  | HD    | 742           | n_canal   |          | l | a |           | l | a |
|                        | Abandoned                        | HD    | 743           | n_canal   |          | l | a |           | l | a |
|                        | Operational                      | HD    | 744           | n_canal   |          | l | a |           | l | a |
| Navigational aid       | Generic/unknown                  | HD    | 765           | nav_aid   | p        |   |   | p         |   |   |
|                        | Navigation light                 | HD    | 766           | nav_aid   | p        |   |   | p         |   |   |
|                        | Navigation beacon                | HD    | 767           | nav_aid   | p        |   |   | p         |   |   |
| NTS territorial limits | Generic/unknown                  | GE    | 1536          | nts_lim   |          | l |   |           | l |   |
| Oil or gas field       | Generic/unknown                  | AD    | 793           | oil_fie   | p        |   |   | p         |   |   |
| Palsa bog              | Generic/unknown                  | SS    | 799           | palsa_b   |          |   | a |           |   | a |
| Parabolic antenna      | Generic/unknown                  | CO    | 810           | p_anten   | p        |   |   |           |   |   |
|                        | Radar                            | CO    | 811           | p_anten   | p        |   |   |           |   |   |
|                        | Radio telescope                  | CO    | 812           | p_anten   | p        |   |   |           |   |   |
| Park/sports field      | Generic/unknown                  | AD    | 823           | park_sp   |          |   | a |           |   |   |
| Peat cutting           | Generic/unknown                  | VE    | 834           | peat_cu   |          |   | a |           |   |   |
| Permanent snow and ice | Generic/unknown                  | HD    | 845           | pe_snow   |          |   | a |           |   | a |
|                        | Debris-covered ice               | HD    | 846           | pe_snow   |          |   | a |           |   | a |
|                        | Other                            | HD    | 847           | pe_snow   |          |   | a |           |   | a |
| Picnic site            | Generic/unknown                  | AD    | 858           | picnic    | p        |   | a | p         |   |   |
| Pingo                  | Generic/unknown                  | FO    | 869           | pingo     | p        |   |   | p         |   |   |
| Pipeline               | Generic/unknown                  | RE    | 880           | pipelin   |          | l |   |           | l |   |
|                        | Natural gas, aboveground         | RE    | 881           | pipelin   |          | l |   |           | l |   |
|                        | Natural gas, underground         | RE    | 882           | pipelin   |          | l |   |           | l |   |
|                        | Oil, aboveground                 | RE    | 883           | pipelin   |          | l |   |           | l |   |
|                        | Oil, underground                 | RE    | 884           | pipelin   |          | l |   |           | l |   |
|                        | Sewage/liquid waste, aboveground | RE    | 885           | pipelin   |          | l |   |           | l |   |
|                        | Unknown, aboveground             | RE    | 886           | pipelin   |          | l |   |           | l |   |
|                        | Unknown, underground             | RE    | 887           | pipelin   |          | l |   |           | l |   |
|                        | Multiuse, aboveground            | RE    | 890           | pipelin   |          | l |   |           | l |   |
|                        | Multiuse, underground            | RE    | 891           | pipelin   |          | l |   |           | l |   |
| Pond partition         | Generic/unknown                  | CO    | 909           | pond_pa   |          | l |   |           |   |   |

| Entity name | Combination of Attribute values                        | Theme | Explicit code | File name | 1:50,000 |   |   | 1:250,000 |   |   |
|-------------|--|-------|---------------|-----------|----------|---|---|-----------|---|---|
|             |  |       |               |           | P        | L | A | P         | L | A |
| Railway     | Generic/unknown  | RF    | 934           | railway   |          | 1 |   |           | 1 |   |
|             | Unknown, unknown, abandoned, unknown                   | RF    | 935           | railway   |          | 1 |   |           | 1 |   |
|             | Narrow, unknown, operational, unknown                  | RF    | 936           | railway   |          | 1 |   |           | 1 |   |
|             | Narrow, unknown, operational, side track               | RF    | 937           | railway   |          | 1 |   |           |   |   |
|             | Special, unknown, under construction, multiple         | RF    | 942           | railway   |          | 1 |   |           |   |   |
|             | Special, unknown, under construction, single           | RF    | 943           | railway   |          | 1 |   |           |   |   |
|             | Special, ground level, operational, multiple           | RF    | 944           | railway   |          | 1 |   |           |   |   |
|             | Special, ground level, operational, single             | RF    | 945           | railway   |          | 1 |   |           |   |   |
|             | Standard, unknown, under construction, multiple        | RF    | 952           | railway   |          | 1 |   |           | 1 |   |
|             | Standard, unknown, under construction, single          | RF    | 953           | railway   |          | 1 |   |           | 1 |   |
|             | Standard, ground level, operational, multiple          | RF    | 954           | railway   |          | 1 |   |           | 1 |   |
|             | Standard, ground level, operational, side track        | RF    | 955           | railway   |          | 1 |   |           |   |   |
|             | Standard, ground level, operational, single            | RF    | 956           | railway   |          | 1 |   |           | 1 |   |
|             | Standard, other, operational, multiple                 | RF    | 957           | railway   |          | 1 |   |           | 1 |   |
|             | Standard, other, operational, single                   | RF    | 958           | railway   |          | 1 |   |           | 1 |   |
|             | Standard, other, operational, side track               | RF    | 959           | railway   |          | 1 |   |           |   |   |
|             | Special, other, operational, multiple                  | RF    | 960           | railway   |          | 1 |   |           |   |   |
|             | Special, other, operational, single                    | RF    | 961           | railway   |          | 1 |   |           |   |   |
|             | Unknown, unknown, operational, unknown                 | RF    | 962           | railway   |          | 1 |   |           |   |   |
| Road        | Generic/unknown  | RR    | 1594          | road      |          | 1 |   |           | 1 |   |
|             | Highway, ground level, loose surface, operational      | RR    | 1595          | road      |          | 1 |   |           | 1 |   |
|             | Highway, ground level, hard surface, operational       | RR    | 1596          | road      |          | 1 |   |           | 1 |   |
|             | Highway, other, hard surface, operational              | RR    | 1597          | road      |          | 1 |   |           | 1 |   |
|             | Highway, unknown, unknown, under construction          | RR    | 1598          | road      |          | 1 |   |           | 1 |   |
|             | Unknown, ground level, unknown, unknown                | RR    | 1599          | road      |          | 1 |   |           |   |   |
|             | Rapid transit, ground level, hard surface, operational | RR    | 1600          | road      |          | 1 |   |           |   |   |
|             | Rapid transit, other, hard surface, operational        | RR    | 1601          | road      |          | 1 |   |           |   |   |
|             | Rapid transit, unknown, unknown, under construction    | RR    | 1602          | road      |          | 1 |   |           |   |   |

| Entity name      | Combination of Attribute values                     | Theme | Explicit code | File name | 1:50,000 |   |   | 1:250,000 |   |   |
|------------------|---|-------|---------------|-----------|----------|---|---|-----------|---|---|
|                  |   |       |               |           | P        | L | A | P         | L | A |
| Road (continued) | Main, ground level, hard surface, operational       | RR    | 1603          | road      |          | 1 |   |           | 1 |   |
|                  | Main, ground level, loose surface, operational      | RR    | 1604          | road      |          | 1 |   |           | 1 |   |
|                  | Main, ground level, unknown, unknown                | RR    | 1604          | road      |          | 1 |   |           | 1 |   |
|                  | Main, unknown, unknown, under construction          | RR    | 1606          | road      |          | 1 |   |           | 1 |   |
|                  | Street, ground level, loose surface, operational    | RR    | 1607          | road      |          | 1 |   |           |   |   |
|                  | Street, ground level, hard surface, operational     | RR    | 1608          | road      |          | 1 |   |           |   |   |
|                  | Street, other, hard surface, operational            | RR    | 1609          | road      |          | 1 |   |           |   |   |
|                  | Street, unknown, unknown, under construction        | RR    | 1610          | road      |          | 1 |   |           |   |   |
|                  | Secondary, ground level, loose surface, operational | RR    | 1611          | road      |          | 1 |   |           | 1 |   |
|                  | Secondary, ground level, hard surface, operational  | RR    | 1612          | road      |          | 1 |   |           | 1 |   |
|                  | Secondary, other, hard surface, operational         | RR    | 1613          | road      |          | 1 |   |           | 1 |   |
|                  | Secondary, unknown, unknown, under construction     | RR    | 1614          | road      |          | 1 |   |           | 1 |   |
|                  | Highway, ground level, unknown, unknown             | RR    | 1621          | road      |          | 1 |   |           | 1 |   |
|                  | Main, other, hard surface, operational              | RR    | 1622          | road      |          | 1 |   |           | 1 |   |
|                  | Secondary, ground level, unknown, unknown           | RR    | 1623          | road      |          | 1 |   |           | 1 |   |
|                  | Street, ground level, unknown, unknown              | RR    | 1624          | road      |          | 1 |   |           |   |   |
| Rocky ledge/reef | Generic/unknown                                     | HD    | 1044          | rock_le   |          |   | a |           |   | a |
| Ruins            | Generic/unknown                                     | CO    | 1055          | ruins     | p        |   | a |           |   |   |
| Runway           | Generic/unknown                                     | CO    | 1066          | runway    | p        |   | a | p         |   |   |
|                  | Airfield, unknown, unknown                          | CO    | 1067          | runway    | p        |   | a | p         |   |   |
|                  | Airfield, operational, hard surface                 | CO    | 1068          | runway    | p        |   | a |           |   |   |
|                  | Airfield, operational, loose surface                | CO    | 1069          | runway    | p        |   | a |           |   |   |
|                  | Airport, operational, hard surface                  | CO    | 1070          | runway    | p        |   | a |           |   |   |
|                  | Unknown, abandoned, unknown                         | CO    | 1071          | runway    | p        |   | a | p         |   |   |
|                  | Airport, operational, loose surface                 | CO    | 1072          | runway    | p        |   | a |           |   |   |
|                  | Heliport, operational, unknown                      | CO    | 1073          | runway    | p        |   |   | p         |   |   |
|                  | Airport, operational, unknown                       | CO    | 1074          | runway    |          |   |   | p         |   |   |
|                  | Airfield, operational, unknown                      | CO    | 1075          | runway    |          |   |   | p         |   |   |

| Entity name             | Combination of Attribute values | Theme           | Explicit code | File name | 1:50,000 |   |   | 1:250,000 |   |   |  |
|-------------------------|---------------------------------|-----------------|---------------|-----------|----------|---|---|-----------|---|---|--|
|                         |                                 |                 |               |           | P        | L | A | P         | L | A |  |
| Sand                    | Generic/unknown                 | HD              | 1082          | sand      |          |   | a |           |   | a |  |
|                         | Other                           | HD              | 1083          | sand      |          |   | a |           |   | a |  |
|                         | Underwater                      | HD              | 1084          | sand      |          |   | a |           |   | a |  |
| Seaplane base           | Generic/unknown                 | AD              | 1095          | seapl_b   | p        |   |   | p         |   |   |  |
|                         | Anchorage                       | AD              | 1096          | seapl_b   | p        |   |   | p         |   |   |  |
|                         | Base                            | AD              | 1097          | seapl_b   | p        |   |   | p         |   |   |  |
| Seawall                 | Generic/unknown                 | HD              | 1108          | seawall   |          | l |   |           |   |   |  |
| Shrine                  | Generic/unknown                 | AD              | 1119          | shrine    | p        |   |   |           |   |   |  |
| Silo                    | Generic/unknown                 | CO              | 1130          | silo      | p        |   |   |           |   |   |  |
| Ski centre              | Generic/unknown                 | AD              | 1141          | ski_cen   | p        |   |   | p         |   |   |  |
| Ski jump                | Generic/unknown                 | CO              | 1152          | ski_jum   | p        |   |   |           |   |   |  |
| Slip                    | Generic/unknown                 | HD              | 406           | slip      |          |   | a |           |   |   |  |
|                         | Other                           | HD              | 407           | slip      |          |   | a |           |   |   |  |
|                         | Dry dock                        | HD              | 408           | slip      |          |   | a |           |   |   |  |
| Snowshed                | Generic/unknown                 | CO              | 1185          | snowshe   |          | l |   |           |   |   |  |
| Solids depot/dump       | Generic/unknown                 | AD              | 1655          | so_depo   | p        |   | a |           |   | a |  |
|                         | Domestic, waste, abandoned      | AD              | 1656          | so_depo   |          |   | a |           |   |   |  |
|                         | Domestic, waste, other          | AD              | 1657          | so_depo   |          |   | a |           |   |   |  |
|                         | Industrial, waste, unknown      | AD              | 1658          | so_depo   | p        |   | a |           |   | a |  |
|                         | Industrial, stockpile, unknown  | AD              | 1659          | so_depo   |          |   | a |           |   |   |  |
| Sports track/race track | Generic/unknown                 | CO              | 1196          | sport_t   |          | l | a |           |   |   |  |
|                         | Drag strip                      | CO              | 1197          | sport_t   |          |   | a |           |   |   |  |
|                         | Other                           | CO              | 1198          | sport_t   |          | l |   |           |   |   |  |
| Spring                  | Generic/unknown                 | HD              | 1209          | spring    | p        |   |   |           |   |   |  |
| Stadium                 | Generic/unknown                 | CO              | 1220          | stadium   |          |   | a |           |   |   |  |
| Stockyard               | Generic/unknown                 | AD              | 1242          | stockya   |          |   | a |           |   |   |  |
| String bog              | Generic/unknown                 | SS              | 1253          | stringb   |          |   | a |           |   | a |  |
| Tank                    | Generic/unknown                 | CO              | 1275          | tank      | p        |   | a | p         |   |   |  |
|                         | Horizontal, unknown             | CO              | 1276          | tank      | p        |   | a |           |   |   |  |
|                         | Vertical, other                 | CO              | 1277          | tank      | p        |   | a | p         |   |   |  |
|                         | Vertical, water                 | CO              | 1278          | tank      | p        |   | a |           |   |   |  |
|                         | Vertical, unknown               | CO              | 1279          | tank      | p        |   | a | p         |   |   |  |
|                         | Toponym                         | Generic/unknown | TO            | 1850      | toponym  | p |   |           | p |   |  |
|                         |                                 | Place           | TO            | 1851      | toponym  | p |   |           | p |   |  |
| Hydrography             |                                 | TO              | 1852          | toponym   | p        |   |   | p         |   |   |  |
| Shoreline               |                                 | TO              | 1853          | toponym   | p        |   |   | p         |   |   |  |
| Relief                  |                                 | TO              | 1854          | toponym   | p        |   |   | p         |   |   |  |
| Transport               |                                 | TO              | 1855          | toponym   | p        |   |   | p         |   |   |  |
| Tower                   | Generic/unknown                 | CO              | 1289          | tower     | p        |   |   | p         |   |   |  |
|                         | Clearance                       | CO              | 1290          | tower     | p        |   |   | p         |   |   |  |
|                         | Communication                   | CO              | 1291          | tower     | p        |   |   | p         |   |   |  |
|                         | Control                         | CO              | 1292          | tower     | p        |   |   |           |   |   |  |
|                         | Fire                            | CO              | 1293          | tower     | p        |   |   | p         |   |   |  |
|                         | Lookout                         | CO              | 1294          | tower     | p        |   |   | p         |   |   |  |

| Entity name           | Combination of Attribute values | Theme           | Explicit code | File name | 1:50,000 |   |   | 1:250,000 |   |   |
|-----------------------|---------------------------------|-----------------|---------------|-----------|----------|---|---|-----------|---|---|
|                       |                                 |                 |               |           | P        | L | A | P         | L | A |
| Trail                 | Generic/unknown                 | CH              | 1305          | trail     |          | l |   |           | l |   |
|                       | Other                           | CH              | 1306          | trail     |          | l |   |           | l |   |
|                       | Portage                         | CH              | 1307          | trail     |          | l |   | p         | l |   |
| Transformer station   | Generic/unknown                 | RE              | 1318          | trans_s   | p        |   | a | p         |   |   |
| Transmission line     | Generic/unknown                 | RE              | 1329          | trans_l   |          | l |   |           | l |   |
|                       | Power, other                    | RE              | 1330          | trans_l   |          | l |   |           | l |   |
|                       | Power, submarine                | RE              | 1331          | trans_l   |          | l |   |           | l |   |
|                       | Telephone, other                | RE              | 1332          | trans_l   |          | l |   |           | l |   |
| Tundra polygon        | Generic/unknown                 | FO              | 1354          | tund_po   |          |   | a |           |   | a |
| Tundra pond           | Generic/unknown                 | SS              | 1365          | tund_pd   |          |   | a |           |   | a |
| Tunnel                | Generic/unknown                 | CO              | 1376          | tunnel    |          | l |   |           | l |   |
| Turntable             | Generic/unknown                 | RF              | 1387          | turntab   | p        |   |   |           |   |   |
| Underground reservoir | Generic/unknown                 | CO              | 1710          | u_reser   | p        |   | a |           |   |   |
| Valve                 | Generic/unknown                 | RE              | 1398          | valve     | p        |   |   |           |   |   |
| Vegetation            | Generic/unknown                 | VE              | 1409          | vegetat   |          |   | a |           |   | a |
|                       | Orchard                         | VE              | 1410          | vegetat   |          |   | a |           |   |   |
|                       | Vineyard/hopfield               | VE              | 1411          | vegetat   |          |   | a |           |   |   |
|                       | Wooded area                     | VE              | 1412          | vegetat   |          |   | a |           |   |   |
|                       | Tree nursery                    | VE              | 1413          | vegetat   |          |   | a |           |   |   |
| Wall/fence            | Generic/unknown                 | CO              | 1423          | wall_fe   |          | l |   |           |   |   |
|                       | Fence                           | CO              | 1424          | wall_fe   |          | l |   |           |   |   |
|                       | Wall                            | CO              | 1425          | wall_fe   |          | l |   |           |   |   |
| Water disturbance     | Generic/unknown                 | HD              | 1700          | wat_dis   | p        | l | a | p         | l | a |
|                       | Falls                           | HD              | 1701          | wat_dis   | p        | l |   | p         | l |   |
|                       | Rapids                          | HD              | 1702          | wat_dis   | p        | l | a | p         | l | a |
| Waterbody             | Generic/unknown                 | HD              | 1449          | water_b   |          |   | a |           |   | a |
|                       | Intermittent/slough             | HD              | 1450          | water_b   |          |   | a |           |   | a |
|                       | Other                           | HD              | 1452          | water_b   |          |   | a |           |   | a |
|                       | Irrigation canal                | HD              | 1453          | water_b   |          |   | a |           |   | a |
|                       | Flooded area                    | HD              | 1454          | water_b   |          |   | a |           |   | a |
|                       | Watercourse                     | Generic/unknown | HD            | 1463      | water_c  |   | l |           |   | l |
| Well                  | Generic/unknown                 | CO              | 1478          | well      | p        |   |   | p         |   |   |
|                       | Brine                           | CO              | 1479          | well      | p        |   |   |           |   |   |
|                       | Petroleum                       | CO              | 1480          | well      | p        |   |   | p         |   |   |
|                       | Water                           | CO              | 1481          | well      | p        |   |   |           |   |   |
|                       | Wetland                         | Generic/unknown | SS            | 1492      | wetland  |   |   | a         |   |   |
| Wharf                 | Generic/unknown                 | HD              | 1503          | wharf     |          | l |   |           | l |   |
| Wind-operated device  | Generic/unknown                 | CO              | 1514          | wind_de   | p        |   |   |           |   |   |
| Zoo                   | Generic/unknown                 | AD              | 1525          | zoo       |          |   | a |           |   |   |

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**Annex 1 : List of NTDB Entities (Sorted in Alphabetical Order)**

| ENGLISH NAME OF ENTITY          | FRENCH NAME OF ENTITY             | NTDB THEME            |
|---------------------------------|-----------------------------------|-----------------------|
| AERIAL CABLEWAY                 | TÉLÉPHÉRIQUE                      | MANMADE FEATURES      |
| AMUSEMENT PARK                  | PARC D'AMUSEMENT                  | DESIGNATED AREAS      |
| AUTO WRECKER                    | RÉCUPÉRATEUR                      | DESIGNATED AREAS      |
| BARRIER/GATE                    | BARRIÈRE                          | ROAD NETWORK          |
| BOAT RAMP                       | RAMPE DE MISE À L'EAU             | HYDROGRAPHY           |
| BOTANICAL GARDEN                | JARDIN BOTANIQUE                  | DESIGNATED AREAS      |
| BREAKWATER                      | BRISE-LAMES                       | HYDROGRAPHY           |
| BRIDGE                          | PONT                              | MANMADE FEATURES      |
| BUILDING                        | BÂTIMENT                          | MANMADE FEATURES      |
| BUILT-UP AREA                   | AGGLOMÉRATION                     | MANMADE FEATURES      |
| CAMP                            | CAMP                              | DESIGNATED AREAS      |
| CAMPGROUND                      | TERRAIN DE CAMPING                | DESIGNATED AREAS      |
| CAVE ENTRANCE                   | ENTRÉE DE CAVERNE                 | RELIEF AND LANDFORM   |
| CEMETERY                        | CIMETIÈRE                         | DESIGNATED AREAS      |
| CHIMNEY                         | CHEMINÉE                          | MANMADE FEATURES      |
| CONDUIT                         | CONDUIT                           | HYDROGRAPHY           |
| CONDUIT BRIDGE                  | PONT DE CANALISATION              | MANMADE FEATURES      |
| CONTOUR                         | COURBE DE NIVEAU                  | HYPISOGRAPHY          |
| CONVEYOR                        | CONVOYEUR                         | MANMADE FEATURES      |
| CRANE                           | GRUE                              | MANMADE FEATURES      |
| CROSS                           | CROIX                             | MANMADE FEATURES      |
| CUT                             | DÉBLAI                            | MANMADE FEATURES      |
| CUT LINE                        | PERCÉE                            | VEGETATION            |
| DAM                             | BARRAGE                           | HYDROGRAPHY           |
| DISAPPEARING STREAM             | EXSURGENCE                        | HYDROGRAPHY           |
| DISCONTINUITY POINT             | POINT DE DISCONTUINITÉ            | GENERAL               |
| DRIVE-IN THEATRE                | CINÉ-PARC                         | DESIGNATED AREAS      |
| DRY RIVER BED                   | LIT DE COURS D'EAU TARI           | HYDROGRAPHY           |
| DYKE/LEVEE                      | DIGUE/LEVÉE                       | HYDROGRAPHY           |
| ELEVATION POINT                 | POINT D'ÉLÉVATION                 | HYPISOGRAPHY          |
| EMBANKMENT                      | REMBLAI                           | MANMADE FEATURES      |
| ESKER                           | ESKER                             | RELIEF AND LANDFORM   |
| EXHIBITION GROUND               | TERRAIN D'EXPOSITION              | DESIGNATED AREAS      |
| FERRY ROUTE                     | TRAVERSE                          | ROAD NETWORK          |
| FISH LADDER                     | ÉCHELLE À POISSONS                | DESIGNATED AREAS      |
| FISH POUND                      | VIVIER                            | HYDROGRAPHY           |
| FOOTBRIDGE                      | PASSERELLE                        | MANMADE FEATURES      |
| FORD                            | GUÉ                               | ROADS                 |
| FORT                            | FORT                              | DESIGNATED AREAS      |
| GAS AND OIL FACILITIES          | INSTALLATIONS GAZ ET PÉTROLE      | DESIGNATED AREAS      |
| GOLF COURSE                     | TERRAIN DE GOLF                   | DESIGNATED AREAS      |
| GOLF DRIVING RANGE              | TERRAIN DE PRATIQUE DE GOLF       | DESIGNATED AREAS      |
| HAZARD TO AIR NAVIGATION        | OBSTACLE À LA NAVIGATION AÉRIENNE | RELIEF AND LANDFORM   |
| HAZARD TO NAVIGATION            | ENTRAVE À LA NAVIGATION           | HYDROGRAPHY           |
| HIGHWAY EXIT                    | SORTIE D'AUTOROUTE                | ROAD NETWORK          |
| HISTORIC SITE/POINT OF INTEREST | LIEU HISTORIQUE/LIEU D'INTÉRÊT    | DESIGNATED AREAS      |
| KELP                            | VARECH                            | HYDROGRAPHY           |
| LIMITED-USE ROAD                | ROUTE D'ACCÈS LIMITÉ              | ROADS                 |
| LIQUIDS DEPOT/DUMP              | DÉPÔT DE LIQUIDE                  | MANMADE FEATURES      |
| LOCK GATE                       | PORTE D'ÉCLUSE                    | HYDROGRAPHY           |
| LOOKOUT                         | BELVÉDÈRE                         | DESIGNATED AREAS      |
| LUMBER YARD                     | COUR À BOIS                       | DESIGNATED AREAS      |
| MARINA/YACHT CLUB               | MARINA/CLUB NAUTIQUE              | DESIGNATED AREAS      |
| MINING AREA                     | ZONE D'EXTRACTION DE MINÉRAI      | DESIGNATED AREAS      |
| MORAINÉ                         | MORAINÉ                           | RELIEF AND LANDFORM   |
| NAVIGABLE CANAL                 | CANAL NAVIGABLE                   | HYDROGRAPHY           |
| NAVIGATIONAL AID                | REPÈRE DE NAVIGATION              | HYDROGRAPHY           |
| NTS TERRITORIAL LIMITS          | LIMITE DE TERRITOIRE SNRC         | GENERAL               |
| OIL OR GAS FIELD                | CHAMP PÉTROLIFÈRE OU GAZIER       | DESIGNATED AREAS      |
| PALSA BOG                       | FONDRIÈRE DE PALSE                | WATER SATURATED SOILS |
| PARABOLIC ANTENNA               | ANTENNE PARABOLIQUE               | MANMADE FEATURES      |
| PARK/SPORTS FIELD               | PARC/TERRAIN DE SPORTS            | DESIGNATED AREAS      |
| PEAT CUTTING                    | TOURBIÈRE EN EXPLOITATION         | VEGETATION            |
| PERMANENT SNOW AND ICE          | NEIGE ET GLACE PERMANENTES        | HYDROGRAPHY           |
| PICNIC SITE                     | TERRAIN DE PIQUE-NIQUE            | DESIGNATED AREAS      |
| PINGO                           | PINGO                             | RELIEF AND LANDFORM   |

| ENGLISH NAME OF ENTITY  | FRENCH NAME OF ENTITY    | NTDB THEME            |
|-------------------------|--------------------------|-----------------------|
| PIPELINE                | PIPELINE                 | POWER NETWORK         |
| POND PARTITION          | SÉPARATEUR D'ÉTANGS      | MANMADE FEATURES      |
| RAILWAY                 | CHEMIN DE FER            | RAIL NETWORK          |
| ROAD                    | ROUTE                    | ROAD NETWORK          |
| ROCKY LEDGE/REEF        | BARRE ROCHEUSE/RÉCIF     | HYDROGRAPHY           |
| RUINS                   | RUINES                   | MANMADE FEATURES      |
| RUNWAY                  | PISTE D'ENVOL            | MANMADE FEATURES      |
| SAND                    | SABLE                    | HYDROGRAPHY           |
| SEAPLANE BASE           | BASE D'HYDRAVIONS        | DESIGNATED AREAS      |
| SEAWALL                 | MUR DE PROTECTION        | HYDROGRAPHY           |
| SHRINE                  | LIEU DE PÈLERINAGE       | DESIGNATED AREAS      |
| SILO                    | SILO                     | MANMADE FEATURES      |
| SKI CENTRE              | CENTRE DE SKI            | DESIGNATED AREAS      |
| SKI JUMP                | SAUT DE SKI              | MANMADE FEATURES      |
| SLIP                    | CALE                     | HYDROGRAPHY           |
| SNOWSHED                | PARANEIGE                | MANMADE FEATURES      |
| SOLIDS DEPOT/DUMP       | DÉPÔT DE SOLIDES         | DESIGNATED AREAS      |
| SPORTS TRACK/RACE TRACK | PISTE DE COURSES         | MANMADE FEATURES      |
| SPRING                  | SOURCE                   | HYDROGRAPHY           |
| STADIUM                 | STADE                    | MANMADE FEATURES      |
| STOCKYARD               | PARC À BESTIAUX          | DESIGNATED AREAS      |
| STRING BOG              | TOURBIÈRE RÉTICULÉE      | WATER SATURATED SOILS |
| TANK                    | CITERNE                  | MANMADE FEATURES      |
| TOPONYM                 | TOPONYME                 | TOPONYM               |
| TOWER                   | TOUR                     | MANMADE FEATURES      |
| TRAIL                   | SENTIER                  | ROADS                 |
| TRANSFORMER STATION     | POSTE DE TRANSFORMATEURS | POWER NETWORK         |
| TRANSMISSION LINE       | LIGNE DE TRANSMISSION    | POWER NETWORK         |
| TUNDRA POLYGON          | SOLS POLYGONAUX          | RELIEF AND LANDFORM   |
| TUNDRA POND             | ÉTANGS DE TOUNDRA        | WATER SATURATED SOILS |
| TUNNEL                  | TUNNEL                   | MANMADE FEATURES      |
| TURNTABLE               | PLAQUE TOURNANTE         | RAIL NETWORK          |
| UNDERGROUND RESERVOIR   | RÉSERVOIR SOUTERRAIN     | MANMADE FEATURES      |
| VALVE                   | VALVE                    | POWER NETWORK         |
| VEGETATION              | VÉGÉTATION               | VEGETATION            |
| WALL/FENCE              | MUR/CLÔTURE              | MANMADE FEATURES      |
| WATER DISTURBANCE       | PERTURBATION DES EAUX    | HYDROGRAPHY           |
| WATERBODY               | ÉTENDUE D'EAU            | HYDROGRAPHY           |
| WATERCOURSE             | COURS D'EAU              | HYDROGRAPHY           |
| WELL                    | PUTTS                    | MANMADE FEATURES      |
| WETLAND                 | TERRE HUMIDE             | WATER SATURATED SOILS |
| WHARF                   | QUAI                     | HYDROGRAPHY           |
| WIND-OPERATED DEVICE    | ÉOLIENNE                 | MANMADE FEATURES      |
| ZOO                     | ZOO                      | DESIGNATED AREAS      |



## Annex 2 : List of NTDB Entities (Sorted by Theme)

| NTDB THEME       | ENGLISH NAME OF ENTITY          | FRENCH NAME OF ENTITY          |
|------------------|---------------------------------|--------------------------------|
| DESIGNATED AREAS | AMUSEMENT PARK                  | PARC D'AMUSEMENT               |
| DESIGNATED AREAS | AUTO WRECKER                    | RÉCUPÉRATEUR                   |
| DESIGNATED AREAS | BOTANICAL GARDEN                | JARDIN BOTANIQUE               |
| DESIGNATED AREAS | CAMP                            | CAMP                           |
| DESIGNATED AREAS | CAMPGROUND                      | TERRAIN DE CAMPING             |
| DESIGNATED AREAS | CEMETERY                        | CIMETIÈRE                      |
| DESIGNATED AREAS | DRIVE-IN THEATRE                | CINÉ-PARC                      |
| DESIGNATED AREAS | EXHIBITION GROUND               | TERRAIN D'EXPOSITION           |
| DESIGNATED AREAS | FISH LADDER                     | ÉCHELLE À POISSONS             |
| DESIGNATED AREAS | FORT                            | FORT                           |
| DESIGNATED AREAS | GAS AND OIL FACILITIES          | INSTALLATIONS GAZ ET PÉTROLE   |
| DESIGNATED AREAS | GOLF COURSE                     | TERRAIN DE GOLF                |
| DESIGNATED AREAS | GOLF DRIVING RANGE              | TERRAIN DE PRATIQUE DE GOLF    |
| DESIGNATED AREAS | HISTORIC SITE/POINT OF INTEREST | LIEU HISTORIQUE/LIEU D'INTÉRÊT |
| DESIGNATED AREAS | LOOKOUT                         | BELVÉDÈRE                      |
| DESIGNATED AREAS | LUMBER YARD                     | COUR À BOIS                    |
| DESIGNATED AREAS | MARINA/YACHT CLUB               | MARINA/CLUB NAUTIQUE           |
| DESIGNATED AREAS | MINING AREA                     | ZONE D'EXTRACTION DE MINÉRAI   |
| DESIGNATED AREAS | OIL OR GAS FIELD                | CHAMP PÉTROLIFÈRE OU GAZIÉR    |
| DESIGNATED AREAS | PARK/SPORTS FIELD               | PARC/TERRAIN DE SPORTS         |
| DESIGNATED AREAS | PICNIC SITE                     | TERRAIN DE PIQUE-NIQUE         |
| DESIGNATED AREAS | SEAPLANE BASE                   | BASE D'HYDRAVIONS              |
| DESIGNATED AREAS | SHRINE                          | LIEU DE PÈLERINAGE             |
| DESIGNATED AREAS | SKI CENTRE                      | CENTRE DE SKI                  |
| DESIGNATED AREAS | SOLIDS DEPOT/DUMP               | DÉPÔT DE SOLIDES               |
| DESIGNATED AREAS | STOCKYARD                       | PARC À BESTIAUX                |
| DESIGNATED AREAS | ZOO                             | ZOO                            |
| GENERAL          | DISCONTINUITY POINT             | POINT DE DISCONTUINITÉ         |
| GENERAL          | NTS TERRITORIAL LIMITS          | LIMITE DE TERRITOIRE SNRC      |
| HYDROGRAPHY      | BOAT RAMP                       | RAMPE DE MISE À L'EAU          |
| HYDROGRAPHY      | BREAKWATER                      | BRISE-LAMES                    |
| HYDROGRAPHY      | CONDUIT                         | CONDUIT                        |
| HYDROGRAPHY      | DAM                             | BARRAGE                        |
| HYDROGRAPHY      | DISAPPEARING STREAM             | EXSURGENCE                     |
| HYDROGRAPHY      | DRY RIVER BED                   | LIT DE COURS D'EAU TARI        |
| HYDROGRAPHY      | DYKE/LEVEE                      | DIGUE/LEVÉE                    |
| HYDROGRAPHY      | FISH POUND                      | VIVIER                         |
| HYDROGRAPHY      | HAZARD TO NAVIGATION            | ENTRAVE À LA NAVIGATION        |
| HYDROGRAPHY      | KELP                            | VARECH                         |
| HYDROGRAPHY      | LOCK GATE                       | PORTE D'ÉCLUSE                 |
| HYDROGRAPHY      | NAVIGABLE CANAL                 | CANAL NAVIGABLE                |
| HYDROGRAPHY      | NAVIGATIONAL AID                | REPÈRE DE NAVIGATION           |
| HYDROGRAPHY      | PERMANENT SNOW AND ICE          | NEIGE ET GLACE PERMANENTES     |
| HYDROGRAPHY      | ROCKY LEDGE/REEF                | BARRE ROCHEUSE/RÉCIF           |
| HYDROGRAPHY      | SAND                            | SABLE                          |
| HYDROGRAPHY      | SEAWALL                         | MUR DE PROTECTION              |
| HYDROGRAPHY      | SLIP                            | CALE                           |
| HYDROGRAPHY      | SPRING                          | SOURCE                         |
| HYDROGRAPHY      | WATER DISTURBANCE               | PERTURBATION DES EAUX          |
| HYDROGRAPHY      | WATERBODY                       | ÉTENDUE D'EAU                  |
| HYDROGRAPHY      | WATERCOURSE                     | COURS D'EAU                    |
| HYDROGRAPHY      | WHARF                           | QUAI                           |
| HYPSOGRAPHY      | CONTOUR                         | COURBE DE NIVEAU               |
| HYPSOGRAPHY      | ELEVATION POINT                 | POINT D'ÉLÉVATION              |
| MANMADE FEATURES | AERIAL CABLEWAY                 | TÉLÉPHÉRIQUE                   |
| MANMADE FEATURES | BRIDGE                          | PONT                           |
| MANMADE FEATURES | BUILDING                        | BÂTIMENT                       |
| MANMADE FEATURES | BUILT-UP AREA                   | AGGLOMÉRATION                  |
| MANMADE FEATURES | CHIMNEY                         | CHEMINÉE                       |
| MANMADE FEATURES | CONDUIT BRIDGE                  | PONT DE CANALISATION           |
| MANMADE FEATURES | CONVEYOR                        | CONVOYEUR                      |
| MANMADE FEATURES | CRANE                           | GRUE                           |
| MANMADE FEATURES | CROSS                           | CROIX                          |
| MANMADE FEATURES | CUT                             | DÉBLAI                         |
| MANMADE FEATURES | EMBANKMENT                      | REMBLAI                        |
| MANMADE FEATURES | FOOTBRIDGE                      | PASSERELLE                     |

| NTDB THEME            | ENGLISH NAME OF ENTITY   | FRENCH NAME OF ENTITY             |
|-----------------------|--------------------------|-----------------------------------|
| MANMADE FEATURES      | LIQUIDS DEPOT/DUMP       | DÉPÔT DE LIQUIDE                  |
| MANMADE FEATURES      | PARABOLIC ANTENNA        | ANTENNE PARABOLIQUE               |
| MANMADE FEATURES      | POND PARTITION           | SÉPARATEUR D'ÉTANGS               |
| MANMADE FEATURES      | RUINS                    | RUINES                            |
| MANMADE FEATURES      | RUNWAY                   | PISTE D'ENVOL                     |
| MANMADE FEATURES      | SILO                     | SILO                              |
| MANMADE FEATURES      | SKI JUMP                 | SAUT DE SKI                       |
| MANMADE FEATURES      | SNOWSHED                 | PARANEIGE                         |
| MANMADE FEATURES      | SPORTS TRACK/RACE TRACK  | PISTE DE COURSES                  |
| MANMADE FEATURES      | STADIUM                  | STADE                             |
| MANMADE FEATURES      | TANK                     | CITERNE                           |
| MANMADE FEATURES      | TOWER                    | TOUR                              |
| MANMADE FEATURES      | TUNNEL                   | TUNNEL                            |
| MANMADE FEATURES      | UNDERGROUND RESERVOIR    | RÉSERVOIR SOUTERRAIN              |
| MANMADE FEATURES      | WALL/FENCE               | MUR/CLÔTURE                       |
| MANMADE FEATURES      | WELL                     | PUITS                             |
| MANMADE FEATURES      | WIND-OPERATED DEVICE     | ÉOLIENNE                          |
| POWER NETWORK         | PIPELINE                 | PIPELINE                          |
| POWER NETWORK         | TRANSFORMER STATION      | POSTE DE TRANSFORMATEURS          |
| POWER NETWORK         | TRANSMISSION LINE        | LIGNE DE TRANSMISSION             |
| POWER NETWORK         | VALVE                    | VALVE                             |
| RAIL NETWORK          | RAILWAY                  | CHEMIN DE FER                     |
| RAIL NETWORK          | TURNTABLE                | PLAQUE TOURNANTE                  |
| RELIEF AND LANDFORM   | CAVE ENTRANCE            | ENTRÉE DE CAVERNE                 |
| RELIEF AND LANDFORM   | ESKER                    | ESKER                             |
| RELIEF AND LANDFORM   | HAZARD TO AIR NAVIGATION | OBSTACLE À LA NAVIGATION AÉRIENNE |
| RELIEF AND LANDFORM   | MORaine                  | MORaine                           |
| RELIEF AND LANDFORM   | PINGO                    | PINGO                             |
| RELIEF AND LANDFORM   | TUNDRA POLYGON           | SOLS POLYGONAUX                   |
| ROAD NETWORK          | BARRIER/GATE             | BARRIÈRE                          |
| ROAD NETWORK          | FERRY ROUTE              | TRAVERSE                          |
| ROAD NETWORK          | HIGHWAY EXIT             | SORTIE D'AUTOROUTE                |
| ROAD NETWORK          | ROAD                     | ROUTE                             |
| ROADS                 | FORD                     | GUÉ                               |
| ROADS                 | LIMITED-USE ROAD         | ROUTE D'ACCÈS LIMITÉ              |
| ROADS                 | TRAIL                    | SENTIER                           |
| TOPONYMY              | TOPONYM                  | TOPONYME                          |
| VEGETATION            | CUT LINE                 | PERCÉE                            |
| VEGETATION            | PEAT CUTTING             | TOURBIÈRE EN EXPLOITATION         |
| VEGETATION            | VEGETATION               | VÉGÉTATION                        |
| WATER SATURATED SOILS | PALSA BOG                | FONDRIÈRE DE PALSE                |
| WATER SATURATED SOILS | STRING BOG               | TOURBIÈRE RÉTICULÉE               |
| WATER SATURATED SOILS | TUNDRA POND              | ÉTANGS DE TOUNDRA                 |
| WATER SATURATED SOILS | WETLAND                  | TERRE HUMIDE                      |

### Annex 3: Loading Shapefile Data into ArcView

**NOTE:** The steps below apply to **ArcView® software (version 3.1) running under DOS/Windows-Windows NT**. There may be some slight differences in procedures with the UNIX version of ArcView®. The general loading procedure is nonetheless similar in these environments.

A simple way of loading NTDB shapefile data into ArcView® is to follow the steps outlined below.

1) Ensure that the files to be loaded into ArcView® exist and are in the proper location.

ArcView® requires that the four Types of shapefile (.shp, .shx, .dbf and .prj) be present and reside in the same directory.

2) Start ArcView®

The user should normally refer to the user manual for the version of ArcView® and the platform used.

3) Open a View

Double-click the Views icon or select (click) the Views icon, then click the New button. The View1 window will appear.

4) Make sure that the view is active.

The title bar is colored when the window is active. If the title bar isn't colored, click within the window containing the view.

5) Open the window to add ArcView themes.

Double-click the "+" icon, or simultaneously press CTRL and T, or select "Add Theme" from "View" on the menu bar. An "Add Theme" window will appear.

6) Select the directory containing the shapefile data.

In the "Add Theme" window, select the drive containing the shapefile data. On the right side of the window, browse through the directories and subdirectories until you find the directory containing the shapefiles you want. Browse by double-clicking the directories one after the other. Once you are in the right directory, all the shapefiles (.shp) it contains will be listed on the left side of the window.

7) Add one or more ArcView themes (shapefile data) to the view.

**To add a single ArcView theme** to the view, simply double-click the desired shapefile (.shp) or click the shapefile (.shp), then click the OK button.

**To add several ArcView themes** at the same time, simply click the first shapefile (.shp), then, while holding down the Shift key, click the second shapefile (.shp), then the third, and so on until all the desired files have been selected. The selected files will appear colored. Then, simply click (once) the OK button to load the themes into the view.

**To add all the ArcView themes** to the view, simply hold down the Shift key, click the first shapefile (.shp) in the list and, while holding down the mouse button, scroll down to the bottom of the shapefile list. The selected files will appear colored. Then, simply click (once) the OK button to load the themes into the view.

#### 8) Display ArcView themes in the View

The names of the shapefiles added to the view will appear on the left side of the view (legend). They will not, however, be displayed on the right side (graphic area) of the view. To display them, simply click the check box immediately to the left of each shapefile name listed in the legend (left side of view). Repeat the operation for all shapefiles that you want to display graphically in the view. Consult the ArcView® manual for details on displaying.

#### **IMPORTANT**

Steps 4 to 8 must be repeated to add shapefiles (ArcView themes) to the view.

#### **CONCLUSION**

These procedures illustrate one way of loading shapefile data into ArcView®. Individual users may find other means to achieve the same results.