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# **Transition Guide NTDB to CanVec**

**Edition 1.1.0**

**2010-04-14**

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**RELEASES HISTORY**

<b>Date</b>	<b>Edition</b>	<b>Description</b>
2010-04-14	1.1.0	<p>2 STATUS on NTDB and CANVEC PRODUCTS</p> <ul style="list-style-type: none"> <li>• Why consider making the transition to the NTDB to CanVec product.</li> </ul> <p>5 SUMMARY TABLE OF DIFFERENCES BETWEEN NTDB AND CANVEC</p> <ul style="list-style-type: none"> <li>• Main data sources CanVec : NHN of GeoBase</li> </ul> <p>6 TRANSPOSITION OF ENTITIES FROM NTDB TO CanVec, table of correspondence between NTDB entities and CanVec</p> <ul style="list-style-type: none"> <li>• Adjustments of CanVec entities in table of correspondence to incorporate modifications identified in CanVec Feature catalogue, Edition 1.1.0 : <ul style="list-style-type: none"> <li>○ Entity: Contour: geometric representation attribute qualifier eliminated. Remove codes from 1030011 to 1030061.</li> </ul> </li> </ul>
2008-03-01	1.0.1	<p>2 STATUS ON NTDB AND CANVEC PRODUCTS</p> <ul style="list-style-type: none"> <li>• The activities surrounding the NTDB product are completed.</li> </ul> <p>5 CANVEC PRODUCT AVAILABILITY</p> <ul style="list-style-type: none"> <li>• Removal of this section. Information about CanVec product availability is identified in document CanVec: Publication notes.</li> <li>• The sections which follow are renumbered.</li> </ul> <p>3.2 Increased data accuracy and</p> <p>5 SUMMARY TABLE OF DIFFERENCES BETWEEN NTDB AND CANVEC, Planimetric accuracy</p> <ul style="list-style-type: none"> <li>• The planimetric enhancement (correction) of all NTDB datasets is completed; planimetric accuracy of NTDB and CanVec is now equivalent.</li> </ul> <p>6 TRANSPOSITION OF ENTITIES FROM NTDB TO CANVEC, Table of correspondence between entities of NTDB and CanVec</p> <ul style="list-style-type: none"> <li>• Adjustments of CanVec entities in table of correspondence to incorporate modifications identified in CanVec Feature catalogue, Edition 1.0.1: <ul style="list-style-type: none"> <li>○ Entity: Attributes combination Named feature replaces Toponym; code 1580010 replaces codes 2520010, 2520020, 2520030, 2520040, 2520050 et 2520060;</li> <li>○ Entity: Attributes combination Hydrographic obstacle entity: Other changes to Hydrographic obstacle entity: None; code 1460080 is unchanged;</li> </ul> </li> </ul>

		<ul style="list-style-type: none"><li>○ Entity: Attributes combination Elevation point imperial: Cartographic spot height changes to Elevation point imperial: Spot height; code 2610020 is unchanged;</li><li>○ Entity: Attributes combination Manmade hydrographic entity: Slip; code 1450112 replaces 1450032 (correction).</li><li>● Correction of CanVec entity name corresponding to NTDB Seawall</li></ul>
2007-07-30	1.0	Initial version

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## 1 INTRODUCTION

This document is intended to actual users of the National Topographic Data Base (NTDB) that want to make the transition towards CanVec product. This document describes major differences existing between the two products. CanVec is the new flagship product replacing the NTDB.

CanVec is the digital cartographical reference product generated by Natural Resources Canada (NRCan). CanVec offers a complete Canadian coverage by consolidating data from the best available sources. CanVec is a quality vector data that complies with international Geomatics standards.

## 2 STATUS ON NTDB AND CANVEC PRODUCTS

The Earth Science Sector (ESS) from Natural Resources Canada (NRCan) has completed the digitizing process of topographical paper maps to make them available in NTDB product. The activities surrounding the NTDB product are completed. The NTDB product will always be available via GeoGratis portal ([www.geogratis.gc.ca](http://www.geogratis.gc.ca)).

Actual users of the National Topographic Data Base (NTDB) should plan to make the transition towards CanVec product. CanVec is the new flagship product replacing the NTDB and is the new digital cartographical reference product generated by Natural Resources Canada (NRCan). As of August 2009, NTDB product is no longer subject to discrepancies treatment process and the collection is static now. All future 1:50,000 vector data update will be distributed under CanVec product only.

CanVec product is now used to make available to the Canadians topographical data produced by ESS. CanVec data is available on GeoGratis portal ([www.geogratis.gc.ca](http://www.geogratis.gc.ca)).

## 3 IMPROVEMENTS APPLICABLE TO CANVEC PRODUCT

Compared with the National Topographic Data Base (NTDB), CanVec product is made of many new characteristics that improved its quality.

### 3.1 Better revision cycle

CanVec product will be updated more frequently mainly because a good portion of its data comes from up-to-date data provided by the GeoBase initiative and its important group of partners.

### 3.2 Increased data accuracy

CanVec data are planimetrically precise and their planimetric accuracy is equivalent to Landsat 7 orthoimages (GeoBase Data Alignment Layer).

### 3.3 Best data sources available

NTDB data come mainly from the digitizing of topographical maps. CanVec data are derived from the best data sources available. Data sources used vary between datasets and are among following:

- NTDB data at 1:50,000 scale with acceptable planimetric accuracy level (30 meters or better).
- National Road Network (NRN) from GeoBase initiative.
- Data from Landsat 7 update process.

- Data from Mapping of the North process.
- Data from change detection process for northern data.
- National Hydrography Network (NHN) from GeoBase initiative.

### **3.4 Compliance with international standards in geomatics**

CanVec data product is geometrically represented using simple features model and spatial relationships described in standard ISO 19125: Geographic information – Simple feature access.

CanVec product documentation respects ISO standard for Data product specifications (ISO 19131: Geographic information – Data product specifications) and for Feature catalogue (ISO 19110: Geographic information – Methodology for feature cataloguing).

CanVec product metadata are conforming to CSDGM-FGDC (Content Standard for Digital Geospatial Metadata of Federal Geographic Data Committee) standard and will eventually be aligned to standard ISO 19115: Geographic information - Metadata.

GML (Geography Markup Language) is one of CanVec product data distribution formats. This format is described in standard ISO 19136.

## **4 DIFFERENCES IN PRODUCTS COMPOSITION**

Main differences in products composition are identified in terms of number of entities and themes, data scales and tiling system, spatial reference system, data vertical integration and distribution formats.

### **4.1 Number of entities and themes**

The NTDB is composed of 122 entities subdivided in 13 themes. CanVec product numbered 89 entities regrouped in 11 themes. The section Transposition of entities from NTDB to CanVec identifies explicitly all entities and themes for each product.

### **4.2 Data scales and tiling system**

The NDTB product is available at 1:50,000 and 1:250,000 scales. CanVec product is available at 1:50,000 scale. NTDB and CanVec products are tiled according to the National Topographic System (NTS). It is the same tiling system used for topographical maps.

### **4.3 Spatial reference system**

NTDB data are available according to geographic coordinates system (latitude, longitude) in reference to NAD83 (North American Datum of 1983). CanVec data are also distributed in geographic coordinates system but in reference to NAD83CSRS (North American Datum of 1983 in Canadian Spatial Reference System). The Canadian Spatial Reference System (CSRS) is a highly accurate, multipurpose, active and integrated geocentric reference system; it is completely compatible with the very latest in space based positioning systems – GPS (Global Positioning System).

### **4.4 Vertical integration between features**

NTDB data are vertically integrated.

CanVec is an amalgam of different data sources without guarantee of vertical integration between the sources, so there is a possibility of spatial inconsistencies at some places. However, because most of the

spatial inconsistencies are caused by a problem of spatial positioning during the data acquisition (ex: a road that goes through a waterbody), these spatial inconsistencies are less important in CanVec product since all entities are acquired with an accuracy of 25 meters or better. For the roads, the planimetric accuracy is 10 meters.

#### 4.5 Distribution formats

NTDB product is available in ESRI Shape format. CanVec product is offered in GML (Geography Markup Language), ESRI Shape and FGDB formats.

## 5 SUMMARY TABLE OF DIFFERENCES BETWEEN NTDB AND CANVEC

	NTDB	CanVec
<b>Number of entities</b>	112	89
<b>Number of themes</b>	13	11
<b>Data scales</b>	1:50,000; 1:250,000	1:50,000
<b>Coordinates system</b>	Geographic	Geographic
<b>Geodetic reference system</b>	NAD83	NAD83CSRS
<b>Distribution formats</b>	Shape	Shape, GML, FGDB
<b>Planimetric accuracy</b>	30 meters or better	30 meters or better
<b>Vertical integration between features</b>	Complete	No integration between features derived from different sources
<b>Revision cycle</b>	None	Variable
<b>Compliance with international standards in geomatics</b>	None	<ul style="list-style-type: none"> <li>• Simple features and spatial relations (ISO 19125)</li> <li>• Data product specifications (ISO 19131)</li> <li>• Feature catalogue (ISO 19110)</li> <li>• Metadata (FGDC and ISO 19115)</li> <li>• GML (ISO 19136)</li> </ul>
<b>Main data sources</b>	<ul style="list-style-type: none"> <li>• Topographical maps</li> </ul>	<ul style="list-style-type: none"> <li>• NTDB at 1:50,000 (accuracy 30 m or better)</li> <li>• GeoBase NRN</li> <li>• Landsat 7 imagery</li> <li>• Mapping of the North</li> <li>• GeoBase NHN</li> <li>• Other sources</li> </ul>
<b>Data coverage (datasets no for 50K)</b>	11 525	13 672

## 6 TRANSPOSITION OF ENTITIES FROM NTDB TO CANVEC

The entities from NTDB have been correlated and recoded into CanVec product. The table of correspondence between entities of NTDB and CanVec (see following pages) shows in details the transposition applied.

### Legend

#### NTDB Theme

AD	Designated Area
CH	Roads
CO	Manmade Features
FO	Relief and Landform
GE	General
HD	Hydrography
HP	Hypsography
TO	Toponymy
RE	Power Network
RF	Rail Network
RR	Road Network
SS	Saturated Soils
VE	Vegetation

#### CanVec Theme

BS	Buildings and structures
EN	Energy
FO	Relief and landforms
HD	Hydrography
IC	Industrial and commercial areas
LI	Administrative boundaries
LX	Places of interest
SS	Water saturated soils
TO	Toponymy
TR	Transportation
VE	Vegetation

#### NTDB Note

0	No entity in the NTDB
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#### Action

G	Not transferred But comes from GeoBase
I	Intact (Unchanged)
R	Renamed
S	Split or Merged
X	Not transferred

Table of correspondence between entities of NTDB and CanVec

NTDB						Action	CanVec				
Code (Point)	Code (Line)	Code (Area)	Theme	Entity : Attributes combination	Note		Code (Point)	Code (Line)	Code (Area)	Theme	Entity : Attributes combination
	2058		CO	Aerial cableway: Generic/unknown		X				---	
	2059		CO	Aerial cableway: Other		X				---	
	2060		CO	Aerial cableway: Ski lift		X				---	
		4119	AD	Amusement park: Generic/unknown		I		2260012	LX	Amusement park	
		4130	AD	Auto wrecker: Generic/unknown		I		2360012	IC	Auto wrecker	
45			RR	Barrier/gate: Generic/unknown		G	1780010		TR	Blocked passage	
46			RR	Barrier/gate: Other		G	1780010		TR	Blocked passage	
47			RR	Barrier/gate: Tollgate		G	1790010		TR	Toll Point	
58			HD	Boat ramp: Generic/unknown		R	1450050		HD	Manmade hydrographic entity: Boat ramp (Manmade status = "Operational")	
		4165	AD	Botanical garden: Generic/unknown		I		2200012	LX	Botanical garden: Botanical garden	
	2128		HD	Breakwater: Generic/unknown		R		1450091	-	HD	Manmade hydrographic entity: Breakwater (Manmade status = "Operational")
	2140		CO	Bridge: Covered		G		1760011	TR	Road segment (Structure type = "Bridge covered")	
	2139		CO	Bridge: Generic/unknown		G		1760011	TR	Road segment (Structure type = "Bridge unknown")	
	2141		CO	Bridge: Moveable surface		G		1760011	TR	Road segment (Structure type = "Bridge moveable")	
	2142		CO	Bridge: Other		G		1760011	TR	Road segment (Structure type = "Bridge")	
106		4202	CO	Building: Arena		I	2010020		2010022	BS	Building: Arena
107		4203	CO	Building: Armoury		I	2010030		2010032	BS	Building: Armoury
109		4205	CO	Building: Barn/machinery shed		I	2010250		2010252	BS	Building: Other
110		4206	CO	Building: Cabin		S	2010050		2010052	BS	Building: Other
114		4210	CO	Building: City hall		I	2010060		2010062	BS	Building: City hall
115		4211	CO	Building: Coast guard station		I	2010070		2010072	BS	Building: Coast guard station
117		4213	CO	Building: Community centre		I	2010080		2010082	BS	Building: Community centre
120		4216	CO	Building: Courthouse		I	2010090		2010092	BS	Building: Courthouse
121		4217	CO	Building: Customs post		I	2010100		2010102	BS	Building: Customs post
122		4218	CO	Building: Dome		S	2010250		2010252	BS	Building: Other
179		4275	CO	Building: Educational building		I	2010420		2010422	BS	Building: Educational building
123		4219	CO	Building: Electric power station		I	2010120		2010122	BS	Building: Electric power station
126		4222	CO	Building: Fire station		I	2010130		2010132	BS	Building: Fire station

Table of correspondence between entities of NTDB and CanVec

NTDB						Action	CanVec				
Code (Point)	Code (Line)	Code (Area)	Theme	Entity : Attributes combination	Note		Code (Point)	Code (Line)	Code (Area)	Theme	Entity : Attributes combination
128		4224	CO	Building: Fish hatchery		S	2010250		2010252	BS	Building: Other
		4242	CO	Building: Gas and oil facilities building		I			2010242	BS	Building: Gas and oil facilities building
105		4201	CO	Building: Generic/unknown		I	2010010		2010012	BS	Building: Unknown
130		4226	CO	Building: Grain elevator		S	2010250		2010252	BS	Building: Other
174		4270	CO	Building: Greenhouse		S	2010250		2010252	BS	Building: Other
131		4227	CO	Building: Hall		S	2010250		2010252	BS	Building: Other
132		4228	CO	Building: Highway service centre		I	2010170		2010172	BS	Building: Highway service centre
133		4229	CO	Building: Hospital		I	2010180		2010182	BS	Building: Hospital
		4273	CO	Building: Industrial building		I			2010382	BS	Building: Industrial building
136		4232	CO	Building: Kiln (tobacco)		S	2010250		2010252	BS	Building: Other
176		4272	CO	Building: Lodging facilities		S	2010250		2010252	BS	Building: Other
139		4235	CO	Building: Medical centre		I	2010200		2010202	BS	Building: Medical centre
142		4238	CO	Building: Municipal hall		I	2010210		2010212	BS	Building: Municipal hall
143		4239	CO	Building: Museum		S	2010250		2010252	BS	Building: Other
145		4241	CO	Building: Observatory		S	2010250		2010252	BS	Building: Other
147		4243	CO	Building: Other		I	2010250		2010252	BS	Building: Other
149		4245	CO	Building: Parliament building		I	2010260		2010262	BS	Building: Parliament building
175		4271	CO	Building: Penal building		I	2010400		2010402	BS	Building: Penal building
153		4249	CO	Building: Police station		I	2010270		2010272	BS	Building: Police station
155		4251	CO	Building: Railway station		I	2010280		2010282	BS	Building: Railway station
178		4274	CO	Building: Religious building		I	2010390		2010392	BS	Building: Religious building
157		4253	CO	Building: Sanatorium		S	2010250		2010252	BS	Building: Other
158		4254	CO	Building: Satellite-tracking station		I	2010300		2010302	BS	Building: Satellite-tracking station
162		4258	CO	Building: Senior citizens home		S	2010250		2010252	BS	Building: Other
		4261	CO	Building: Shopping centre		S			2010252	BS	Building: Other
166		4262	CO	Building: Sportsplex		I	2010330		2010332	BS	Building: Sportsplex
168		4264	CO	Building: Trading post		S	2010250		2010252	BS	Building: Other
170		4266	CO	Building: Warden/ranger station		S	2010250		2010252	BS	Building: Other
172		4268	CO	Building: Weigh scale (highway)		S	2010250		2010252	BS	Building: Other
		4280	CO	Built-up area: Generic/unknown		R			1370012	BS	Residential area
		4282	CO	Built-up area: Mobile home park		R			1370012	BS	Residential area

Table of correspondence between entities of NTDB and CanVec

NTDB						Action	CanVec				
Code (Point)	Code (Line)	Code (Area)	Theme	Entity : Attributes combination	Note		Code (Point)	Code (Line)	Code (Area)	Theme	Entity : Attributes combination
		4281	CO	Built-up area: Other		R			1370012	BS	Residential area
206			AD	Camp: Generic/unknown		I	2030010			LX	Camp
217		4313	AD	Campground: Generic/unknown		I	2480010		2480012	LX	Campground
239			FO	Cave entrance: Generic/unknown		X					---
250		4346	AD	Cemetery: Generic/unknown		I	1000030		1000032	LX	Cemetery
264			CO	Chimney: Burner		I	2060020			BS	Chimney: Burner
262			CO	Chimney: Flare stack		I	2060040			BS	Chimney: Flare stack
261			CO	Chimney: Generic/unknown		I	2060010			BS	Chimney: Unknown
263			CO	Chimney: Industrial		I	2060030			BS	Chimney: Industrial
	2337		CO	Conduit bridge: Generic/unknown		X					---
	2322		HD	Conduit: Generic/unknown		R		1470201		HD	Single Line Watercourse: Conduit, indefinite
	2325		HD	Conduit: Ground level, other		R		1470201		HD	Single Line Watercourse: Conduit, indefinite
	2323		HD	Conduit: Ground level, unknown		R		1470201		HD	Single Line Watercourse: Conduit, indefinite
	2327		HD	Conduit: Underground, other	0	X					---
	2326		HD	Conduit: Underground, other		R		1470201		HD	Single Line Watercourse: Conduit, indefinite
	2324		HD	Conduit: Underground, penstock		R		1470201		HD	Single Line Watercourse: Conduit, indefinite
	2328		HD	Conduit: Underground, unknown	0	X					---
	3607		HP	Contour: Depression, collected [in feet]		R		2570041		FO	Contour imperial: Depression, collected
	3607		HP	Contour: Depression, collected [in meters]		I		1030071		FO	Contour: Depression, collected
	3608		HP	Contour: Depression, derived [in feet]		R		2570051		FO	Contour imperial: Depression, derived
	3608		HP	Contour: Depression, derived [in meters]		I		1030081		FO	Contour: Depression, derived
	3612		HP	Contour: Depression, unknown [in feet]		R		2570061		FO	Contour imperial: Depression, unknown
	3612		HP	Contour: Depression, unknown [in meters]		I		1030091		FO	Contour: Depression, unknown
	3606		HP	Contour: Generic/unknown	0	X					---
	3609		HP	Contour: Other, collected [in feet]		R		2570011		FO	Contour imperial: Elevation, collected
	3609		HP	Contour: Other, collected [in meters]		I		1030101		FO	Contour: Elevation, collected
	3610		HP	Contour: Other, derived [in feet]		R		2570021		FO	Contour imperial: Elevation, derived
	3610		HP	Contour: Other, derived [in meters]		I		1030111		FO	Contour: Elevation, derived
	3611		HP	Contour: Other, unknown [in feet]		R		2570031		FO	Contour imperial: Elevation, unknown
	3611		HP	Contour: Other, unknown [in meters]		I		1030121		FO	Contour: Elevation, unknown
	2348		CO	Conveyor: Generic/unknown	0	X					---

Table of correspondence between entities of NTDB and CanVec

NTDB						Action	CanVec				
Code (Point)	Code (Line)	Code (Area)	Theme	Entity : Attributes combination	Note		Code (Point)	Code (Line)	Code (Area)	Theme	Entity : Attributes combination
311	2359		CO	Crane: Generic/unknown	0	X					---
	2360		CO	Crane: Moveable		X					---
313			CO	Crane: Stationary		X					---
324			CO	Cross: Generic/unknown		I	2120010			BS	Cross
	2395		VE	Cut line: Firebreak		I		2290031		VE	Cut line: Firebreak
	2394		VE	Cut line: Generic/unknown		I		2290011		VE	Cut line: Unknown
	2396		VE	Cut line: Other		I		2290021		VE	Cut line: Other
		4431	CO	Cut: Generic/unknown		X					---
359	2407	4455	HD	Dam: Generic/unknown		R	1450030	1450031	1450032	HD	Manmade hydrographic entity: Dam (Manmade status = "Operational")
360	2408	4456	HD	Dam: Other		R	1450030	1450031	1450032	HD	Manmade hydrographic entity: Dam (Manmade status = "Operational")
361	2409		HD	Dam: Sluice gate		R	1450030	1450031		HD	Manmade hydrographic entity: Dam (Manmade status = "Operational")
370			HD	Disappearing stream: Generic/unknown		R	1460050			HD	Hydrographic obstacle entity: Disappearing stream
371			HD	Disappearing stream: Other		R	1460050			HD	Hydrographic obstacle entity: Disappearing stream
372			HD	Disappearing stream: Sinkhole		R	1460050			HD	Hydrographic obstacle entity: Disappearing stream
1591			GE	Discontinuity point: Dead end		X					---
1590			GE	Discontinuity point: Generic/unknown		X					---
383		4479	AD	Drive-in theatre: Generic/unknown		I	2070010		2070012	LX	Drive-in theatre
		4490	HD	Dry river bed: Generic/unknown		R			1480222	HD	Waterbody: Indefinite, non isolated (Permanency = "Intermittent")
	2477		HD	Dyke/levee: Generic/unknown		R		1450101		HD	Manmade hydrographic entity: Dike/Levee (Manmade status = "Operational")
1575			HP	Elevation point: Precise altitude [in feet]		R	2610010			FO	Elevation point imperial: Precise altitude
1575			HP	Elevation point: Precise altitude [in meters]		I	1200010			FO	Elevation point: Precise altitude
1576			HP	Elevation point: Spot height [in feet]		R	2610020			FO	Elevation point imperial: Spot height
1576			HP	Elevation point: Spot height [in meters]		I	1200020			FO	Elevation point: Cartographic spot height
		4538	CO	Embankment: Causeway		X					---
		4536	CO	Embankment: Generic/unknown		X					---
		4537	CO	Embankment: Other		X					---
	2499		FO	Esker: Generic/unknown		I		1080021		FO	Esker
		4560	AD	Exhibition ground: Fairground		I			2510022	LX	Exhibition ground: Fairground
		4558	AD	Exhibition ground: Generic/unknown	0	X					---

Table of correspondence between entities of NTDB and CanVec

NTDB						Action	CanVec				
Code (Point)	Code (Line)	Code (Area)	Theme	Entity : Attributes combination	Note		Code (Point)	Code (Line)	Code (Area)	Theme	Entity : Attributes combination
		4559	AD	Exhibition ground: Other		I			2510012	LX	Exhibition ground: Other
508			RR	Ferry route: Generic/unknown	0	X					---
	2556		RR	Ferry route: Generic/unknown		G		1750011		TR	Ferry connection segment
519			AD	Fish ladder: Generic/unknown		R	1450060			HD	Manmade hydrographic entity: Fish ladder (Manmade status = "Operational")
		4626	HD	Fish pound: Generic/unknown		X					---
	2600		CO	Footbridge: Generic/unknown		I		2280011		LX	Footbridge
563	2611		CH	Ford: Generic/unknown		R	1460070	1460071		HD	Hydrographic obstacle entity: Ford
		4681	AD	Fort: Generic/unknown		I			1000042	LX	Fort
788		4884	AD	Gas and oil facilities: Generic/unknown		I	1360040		1360042	EN	Gas and oil facilities
		4692	AD	Golf course: Generic/unknown		I			1000082	LX	Golf course
607		4703	AD	Golf driving range: Generic/unknown		I	2500010		2500012	LX	Golf driving range
	3778		FO	Hazard to air navigation: Aerial cableway		X					---
	3776		FO	Hazard to air navigation: Bridge		X					---
1722			FO	Hazard to air navigation: Chimney		X					---
1726	3774		FO	Hazard to air navigation: Crane		X					---
1724			FO	Hazard to air navigation: Cross		X					---
1720	3768		FO	Hazard to air navigation: Generic/unknown	0	X					---
1729			FO	Hazard to air navigation: Navigational aid		X					---
1721			FO	Hazard to air navigation: Parabolic antenna		X					---
1723	3771		FO	Hazard to air navigation: Tank		X					---
1731			FO	Hazard to air navigation: Tower		X					---
1727	3775		FO	Hazard to air navigation: Water disturbance		X					---
1725			FO	Hazard to air navigation: Wind-operated device		X					---
1682			HD	Hazard to navigation: Exposed shipwreck		R	1460060			HD	Hydrographic obstacle entity: Exposed shipwreck
1680			HD	Hazard to navigation: Generic/unknown	0	X					---
1683			HD	Hazard to navigation: Obstacle in water		R	1460080			HD	Hydrographic obstacle entity: None
1681			HD	Hazard to navigation: Rock in water		R	1460040			HD	Hydrographic obstacle entity: Rocks
1640			RR	Highway exit: Generic/unknown		G	1770010			TR	Junction: Intersection (attribute Exit number)
640			AD	Historic site/point of interest: Generic/unknown		I	2220010			LX	Historic site/Point of interest
		4758	HD	Kelp: Generic/unknown		X					---
	3694		CH	Limited-use road: Cart track		X					---

Table of correspondence between entities of NTDB and CanVec

NTDB						Action	CanVec				
Code (Point)	Code (Line)	Code (Area)	Theme	Entity : Attributes combination	Note		Code (Point)	Code (Line)	Code (Area)	Theme	Entity : Attributes combination
	3696		CH	Limited-use road: Dry weather		X				---	
	3693		CH	Limited-use road: Generic/unknown		X				---	
	3695		CH	Limited-use road: Winter		X				---	
		5752	AD	Liquids depot/dump: Domestic, waste, abandoned	0	X				---	
		5753	AD	Liquids depot/dump: Domestic, waste, other		R		1360012	IC	Domestic waste	
1671			CO	Liquids depot/dump: Drinking water, other		X				---	
		5767	CO	Liquids depot/dump: Drinking water, other		R		1480252	HD	Waterbody: Reservoir, indefinite (Permanency = "Permanent")	
1665			CO	Liquids depot/dump: Generic/unknown	0	X				---	
		5761	CO	Liquids depot/dump: Generic/unknown		R		1480252	HD	Waterbody: Reservoir, indefinite (Permanency = "Permanent")	
1655		5751	AD	Liquids depot/dump: Generic/unknown	0	X				---	
		5755	AD	Liquids depot/dump: Industrial, stockpile, unknown		R		1360022	IC	Industrial solid depot	
1658		5754	AD	Liquids depot/dump: Industrial, waste, unknown		R	1360020	1360022	IC	Industrial solid depot	
1667			CO	Liquids depot/dump: Liquid waste, sedimentation pond		X				---	
		5763	CO	Liquids depot/dump: Liquid waste, sedimentation pond		R		1480242	HD	Waterbody: Liquid waste, indefinite (Permanency = "Permanent")	
1666			CO	Liquids depot/dump: Liquid waste, sewage disposal pond		X				---	
		5762	CO	Liquids depot/dump: Liquid waste, sewage disposal pond		R		1480242	HD	Waterbody: Liquid waste, indefinite (Permanency = "Permanent")	
1668			CO	Liquids depot/dump: Liquid waste, unknown		X				---	
		5764	CO	Liquids depot/dump: Liquid waste, unknown		R		1480242	HD	Waterbody: Liquid waste, indefinite (Permanency = "Permanent")	
1670			CO	Liquids depot/dump: Water, filtration pond		X				---	
		5766	CO	Liquids depot/dump: Water, filtration pond		R		1480252	HD	Waterbody: Reservoir, indefinite (Permanency = "Permanent")	
1669			CO	Liquids depot/dump: Water, other		X				---	
		5765	CO	Liquids depot/dump: Water, other		R		1480252	HD	Waterbody: Reservoir, indefinite (Permanency = "Permanent")	
1672		5768	CO	Liquids depot/dump: Water, swimming pool		X				---	
673	2721		HD	Lock gate: Generic/unknown		I	1450040	1450041	HD	Manmade hydrographic entity: Lock gate (Manmade status = "Operational")	
684		4780	AD	Lookout: Generic/unknown		I	1000010		1000012	LX	Belvedere
		4791	AD	Lumber yard: Generic/unknown		I			2110012	IC	Lumber yard

Table of correspondence between entities of NTDB and CanVec

NTDB						Action	CanVec				
Code (Point)	Code (Line)	Code (Area)	Theme	Entity : Attributes combination	Note		Code (Point)	Code (Line)	Code (Area)	Theme	Entity : Attributes combination
701			AD	Marina/yacht club: Generic/unknown		R	1000060			LX	Marina
702			AD	Marina/yacht club: Marina		R	1000060			LX	Marina
703			AD	Marina/yacht club: Yacht/club		R	1000060			LX	Marina
1690		5786	AD	Mining area: Generic/unknown		R	1350030		1350032	IC	Extraction area: Unknown
1693		5789	AD	Mining area: Mine, open pit, operational		R	1350040		1350042	IC	Mine
1695		5791	AD	Mining area: Mine, open pit, unknown		R	1350040		1350042	IC	Mine
1697			AD	Mining area: Mine, underground, operational		I	2600010			IC	Mining area: Mine, underground, operational
1694		5790	AD	Mining area: Mine, unknown, abandoned		R	1350040		1350042	IC	Mine
1696		5792	AD	Mining area: Mine, unknown, operational		R	1350040		1350042	IC	Mine
		5787	AD	Mining area: Pit, open pit, operational		R			1350012	IC	Pit
		5788	AD	Mining area: Quarry, open pit, operational		R			1350022	IC	Quarry
1698			AD	Mining area: Unknown, open pit, unknown	0	X					---
		5794	AD	Mining area: Unknown, open pit, unknown		R			1350032	IC	Extraction area: Unknown
		4827	FO	Moraine: Generic/unknown		R			1080032	FO	Glacial debris undifferentiated
	2791		HD	Navigable canal: Abandoned		R		1470121		HD	Single line watercourse: Canal, non isolated (Permanency = "Permanent")
		4839	HD	Navigable canal: Abandoned		R			1480122	HD	Waterbody: Canal, non isolated (Permanency = "Permanent")
	2790		HD	Navigable canal: Generic/unknown		R		1470121		HD	Single line watercourse: Canal, non isolated (Permanency = "Permanent")
		4838	HD	Navigable canal: Generic/unknown		R			1480122	HD	Waterbody: Canal, non isolated (Permanency = "Permanent")
	2792		HD	Navigable canal: Operational		R		1470121		HD	Single line watercourse: Canal, non isolated (Permanency = "Permanent")
		4840	HD	Navigable canal: Operational		R			1480122	HD	Waterbody: Canal, non isolated (Permanency = "Permanent")
765			HD	Navigational aid: Generic/unknown		I	1250030			BS	Navigational aid: Unknown
767			HD	Navigational aid: Navigation beacon		I	1250010			BS	Navigational aid: Navigation beacon
766			HD	Navigational aid: Navigation light		I	1250020			BS	Navigational aid: Navigation light
	3584		GE	NTS territorial limits		R			1210012	LI	NTS50K boundary polygon: Extended, partly flooded
	3584		GE	NTS territorial limits		R			1210022	LI	NTS50K boundary polygon: Multiple, partly flooded
	3584		GE	NTS territorial limits		R			1210032	LI	NTS50K boundary polygon: Simple, partly flooded
	3584		GE	NTS territorial limits		R			1210042	LI	NTS50K boundary polygon: Simple, totally flooded
	3584		GE	NTS territorial limits		R			1210052	LI	NTS50K boundary polygon: Theoretical, partly flooded

Table of correspondence between entities of NTDB and CanVec

NTDB						Action	CanVec				
Code (Point)	Code (Line)	Code (Area)	Theme	Entity : Attributes combination	Note		Code (Point)	Code (Line)	Code (Area)	Theme	Entity : Attributes combination
	3584		GE	NTS territorial limits				1210062	LI	NTS50K boundary polygon: Theoretical, totally flooded	
793			AD	Oil or gas field: Generic/unknown						---	
		4895	SS	Palsa bog: Generic/unknown				1320022	SS	Palsa bog	
810			CO	Parabolic antenna: Generic/unknown	0					---	
811			CO	Parabolic antenna: Radar			2000010		BS	Parabolic antenna: Radar	
812			CO	Parabolic antenna: Radio telescope			2000020		BS	Parabolic antenna: Radio telescope	
		4919	AD	Park/sports field: Generic/unknown				2270012	LX	Park/Sports field	
		4930	VE	Peat cutting: Generic/unknown				1350052	IC	Peat cutting	
		4942	HD	Permanent snow and ice: Debris-covered ice				1080032	FO	Glacial debris undifferentiated	
		4941	HD	Permanent snow and ice: Generic/unknown				1140022	HD	Permanent snow and ice: not isolated	
		4943	HD	Permanent snow and ice: Other				1140022	HD	Permanent snow and ice: not isolated	
858		4954	AD	Picnic site: Generic/unknown			2490010	2490012	LX	Picnic site	
869			FO	Pingo: Generic/unknown			1080070		FO	Pingo	
	2938		RE	Pipeline: Multiuse, aboveground				1180071	EN	Pipeline: Multiuse, aboveground	
	2939		RE	Pipeline: Multiuse, underground				1180081	EN	Pipeline: Multiuse, underground	
	2929		RE	Pipeline: Natural gas, aboveground				1180011	EN	Pipeline: Natural gas, aboveground	
	2930		RE	Pipeline: Natural gas, underground				1180021	EN	Pipeline: Natural gas, underground	
	2931		RE	Pipeline: Oil, aboveground				1180051	EN	Pipeline: Oil, aboveground	
	2932		RE	Pipeline: Oil, underground				1180061	EN	Pipeline: Oil, underground	
	2933		RE	Pipeline: Sewage/liquid waste, aboveground				2310011	BS	Pipeline (Sewage/liquid waste): Sewage/liquid waste, aboveground	
	2934		RE	Pipeline: Unknown, aboveground				1180031	EN	Pipeline: Unknown, aboveground	
	2935		RE	Pipeline: Unknown, underground				1180041	EN	Pipeline: Unknown, underground	
	2957		CO	Pond partition: Generic/unknown						---	
	2982		RF	Railway: Generic/unknown				1020651	TR	Railway: Federal, unknown, unknown, unknown, unknown	
	2985		RF	Railway: Narrow, unknown, operational, side track				1020631	TR	Railway: Federal, narrow, operational, unknown, other	
	2984		RF	Railway: Narrow, unknown, operational, unknown				1020641	TR	Railway: Federal, narrow, operational, unknown, unknown	
	2992		RF	Railway: Special, ground level, operational, multiple tracks	0					---	
	2993		RF	Railway: Special, ground level, operational, single track				1020701	TR	Railway: Federal, special, operational, ground level, single	
	3008		RF	Railway: Special, other, operational, multiple tracks	0					---	
	3009		RF	Railway: Special, other, operational, single track				1020711	TR	Railway: Federal, special, operational, bridge, single	

Table of correspondence between entities of NTDB and CanVec

NTDB						Action	CanVec				
Code (Point)	Code (Line)	Code (Area)	Theme	Entity : Attributes combination	Note		Code (Point)	Code (Line)	Code (Area)	Theme	Entity : Attributes combination
	3009		RF	Railway: Special, other, operational, single track		I		1020721		TR	Railway: Federal, special, operational, tunnel, single
	2990		RF	Railway: Special, unknown, under construction, multiple tracks	0	X					---
	2991		RF	Railway: Special, unknown, under construction, single track	0	X					---
	3002		RF	Railway: Standard, ground level, operational, multiple tracks		I		1021101		TR	Railway: Federal, standard, operational, ground level, multiple
	3003		RF	Railway: Standard, ground level, operational, side track		I		1021081		TR	Railway: Federal, standard, operational, ground level, other
	3004		RF	Railway: Standard, ground level, operational, single track		I		1021111		TR	Railway: Federal, standard, operational, ground level, single
	3005		RF	Railway: Standard, other, operational, multiple tracks		I		1021221		TR	Railway: Federal, standard, operational, bridge, multiple
	3005		RF	Railway: Standard, other, operational, multiple tracks		I		1021261		TR	Railway: Federal, standard, operational, tunnel, multiple
	3007		RF	Railway: Standard, other, operational, side track		I		1021201		TR	Railway: Federal, standard, operational, bridge, other
	3007		RF	Railway: Standard, other, operational, side track		I		1021241		TR	Railway: Federal, standard, operational, tunnel, other
	3006		RF	Railway: Standard, other, operational, single track		I		1021231		TR	Railway: Federal, standard, operational, bridge, single
	3006		RF	Railway: Standard, other, operational, single track		I		1021271		TR	Railway: Federal, standard, operational, tunnel, single
	3000		RF	Railway: Standard, unknown, under construction, multiple tracks		I		1020681		TR	Railway: Federal, standard, under construction, unknown, multiple
	3001		RF	Railway: Standard, unknown, under construction, single track		I		1020691		TR	Railway: Federal, standard, under construction, unknown, single
	2983		RF	Railway: Unknown, unknown, abandoned, unknown		I		1020661		TR	Railway: Federal, unknown, non operational, unknown, unknown
	3010		RF	Railway: Unknown, unknown, operational, unknown		I		1020671		TR	Railway: Federal, unknown, operational, unknown, unknown
	3642		RR	Road: Generic/unknown		G		1760011		TR	Road segment
	3644		RR	Road: Highway, ground level, hard surface, operational		G		1760011		TR	Road segment
	3643		RR	Road: Highway, ground level, loose surface, operational		G		1760011		TR	Road segment
	3669		RR	Road: Highway, ground level, unknown, unknown	0	X					---
	3645		RR	Road: Highway, other, hard surface, operational		G		1760011		TR	Road segment
	3646		RR	Road: Highway, unknown, unknown, under construction		G		1760011		TR	Road segment
	3651		RR	Road: Main, ground level, hard surface, operational		G		1760011		TR	Road segment
	3652		RR	Road: Main, ground level, loose surface, operational		G		1760011		TR	Road segment
	3670		RR	Road: Main, ground level, unknown, unknown		G		1760011		TR	Road segment
	3653		RR	Road: Main, other, hard surface, operational		G		1760011		TR	Road segment

Table of correspondence between entities of NTDB and CanVec

NTDB						Action	CanVec				
Code (Point)	Code (Line)	Code (Area)	Theme	Entity : Attributes combination	Note		Code (Point)	Code (Line)	Code (Area)	Theme	Entity : Attributes combination
	3654		RR	Road: Main, unknown, unknown, under construction		G		1760011		TR	Road segment
	3648		RR	Road: Rapid transit, ground level, hard surface, operational		G		1760011		TR	Road segment
	3649		RR	Road: Rapid transit, other, hard surface, operational		G		1760011		TR	Road segment
	3650		RR	Road: Rapid transit, unknown, unknown, under construction		G		1760011		TR	Road segment
	3660		RR	Road: Secondary, ground level, hard surface, operational		G		1760011		TR	Road segment
	3659		RR	Road: Secondary, ground level, loose surface, operational		G		1760011		TR	Road segment
	3671		RR	Road: Secondary, ground level, unknown, unknown		G		1760011		TR	Road segment
	3661		RR	Road: Secondary, other, hard surface, operational		G		1760011		TR	Road segment
	3662		RR	Road: Secondary, unknown, unknown, under construction		G		1760011		TR	Road segment
	3656		RR	Road: Street, ground level, hard surface, operational		G		1760011		TR	Road segment
	3655		RR	Road: Street, ground level, loose surface, operational		G		1760011		TR	Road segment
	3672		RR	Road: Street, ground level, unknown, unknown		G		1760011		TR	Road segment
	3657		RR	Road: Street, other, hard surface, operational		G		1760011		TR	Road segment
	3658		RR	Road: Street, unknown, unknown, under construction		G		1760011		TR	Road segment
	3647		RR	Road: Unknown, ground level, unknown, unknown		G		1760011		TR	Road segment
		5140	HD	Rocky ledge/reef: Generic/unknown		R			1460092	HD	Hydrographic obstacle entity: Reef
1055		5151	CO	Ruins: Generic/unknown		I	2400010		2400012	LX	Ruins
1068		5164	CO	Runway: Airfield, operational, hard surface		I	1190100		1190102	TR	Runway: Airport, indefinite
1069		5165	CO	Runway: Airfield, operational, loose surface		I	1190100		1190102	TR	Runway: Airport, indefinite
1067		5163	CO	Runway: Airfield, unknown, unknown		I	1190100		1190102	TR	Runway: Airport, indefinite
1070		5166	CO	Runway: Airport, operational, hard surface		I	1190100		1190102	TR	Runway: Airport, indefinite
1072		5168	CO	Runway: Airport, operational, loose surface		I	1190100		1190102	TR	Runway: Airport, indefinite
1066		5162	CO	Runway: Generic/unknown		I	1190100		1190102	TR	Runway: Airport, indefinite
1073			CO	Runway: Heliport, operational, unknown		I	1190110			TR	Runway: Heliport, indefinite
1071		5167	CO	Runway: Unknown, abandoned, unknown		I	1190100		1190102	TR	Runway: Airport, indefinite
		5178	HD	Sand: Generic/unknown		X					---
		5179	HD	Sand: Other		I			1080052	HD	Sand
		5180	HD	Sand: Underwater		R			1480222	HD	Waterbody: Indefinite, non isolated (Permanency = "Intermittent")

Table of correspondence between entities of NTDB and CanVec

NTDB						Action	CanVec				
Code (Point)	Code (Line)	Code (Area)	Theme	Entity : Attributes combination	Note		Code (Point)	Code (Line)	Code (Area)	Theme	Entity : Attributes combination
1096			AD	Seaplane base: Anchorage		R	1190120			TR	Runway: Water aerodrome, indefinite
1097			AD	Seaplane base: Base		R	1190120			TR	Runway: Water aerodrome, indefinite
1095			AD	Seaplane base: Generic/unknown		R	1190120			TR	Runway: Water aerodrome, indefinite
	3156		HD	Seawall: Generic/unknown		R		1450101		HD	Manmade hydrographic entity: Dike/Levee
1119			AD	Shrine: Generic/unknown		I	2210010			LX	Shrine
1130			CO	Silo: Generic/unknown		I	2440010			BS	Silo
1141			AD	Ski centre: Generic/unknown		I	1000020			LX	Ski centre
1152			CO	Ski jump: Generic/unknown		X					---
		4504	HD	Slip: Dry dock		R			1450112	HD	Manmade hydrographic entity: Slip (Manmade status = "Operational")
		4502	HD	Slip: Generic/unknown	0	X					---
		4503	HD	Slip: Slip		R			1450112	HD	Manmade hydrographic entity: Slip (Manmade status = "Operational")
	3233		CO	Snowshed: Generic/unknown		G		1760011		TR	Road segment (Structure type = "Snowshed")
		5293	CO	Sports track/race track: Drag strip		I			1000072	LX	Sports track/Race track
	3244	5292	CO	Sports track/race track: Generic/unknown		I		1000071	1000072	LX	Sports track/Race track
	3246		CO	Sports track/race track: Other		I		1000071		LX	Sports track/Race track
1209			HD	Spring: Generic/unknown		X					---
		5316	CO	Stadium: Generic/unknown		I			2460012	LX	Stadium
		5338	AD	Stockyard: Generic/unknown		X					---
		5349	SS	String bog: Generic/unknown		I			1320052	SS	String bog
1275			CO	Tank: Generic/unknown		I	2080010			BS	Tank: Unknown, unknown
		5371	CO	Tank: Generic/unknown	0	X					---
1276		5372	CO	Tank: Horizontal, Unknown		I	2080020		2080022	BS	Tank: Horizontal, unknown
1277		5373	CO	Tank: Vertical, other		I	2080030		2080032	BS	Tank: Vertical, other
1279		5375	CO	Tank: Vertical, unknown		I	2080050		2080052	BS	Tank: Vertical, unknown
1278		5374	CO	Tank: Vertical, water		I	2080040		2080042	BS	Tank: Vertical, water
1850			TO	Toponym: Generic/unknown		I	1580010			TO	Named feature
1852			TO	Toponym: Hydrography		I	1580010			TO	Named feature
1851			TO	Toponym: Place		I	1580010			TO	Named feature
1854			TO	Toponym: Relief		I	1580010			TO	Named feature
1853			TO	Toponym: Shoreline		I	1580010			TO	Named feature

Table of correspondence between entities of NTDB and CanVec

NTDB						Action	CanVec				
Code (Point)	Code (Line)	Code (Area)	Theme	Entity : Attributes combination	Note		Code (Point)	Code (Line)	Code (Area)	Theme	Entity : Attributes combination
1855			TO	Toponym: Transport		I	1580010			TO	Named feature
1290			CO	Tower: Clearance		I	2530030			BS	Tower: Clearance
1291			CO	Tower: Communication		I	2530010			BS	Tower: Communication
1292			CO	Tower: Control		I	2530020			BS	Tower: Control
1293			CO	Tower: Fire		I	2530040			BS	Tower: Fire
1289			CO	Tower: Generic/unknown	0	X					---
1294			CO	Tower: Lookout		I	2530050			BS	Tower: Lookout
	3353		CH	Trail: Generic/unknown		I		2420011		LX	Trail: Unknown
	3354		CH	Trail: Other		I		2420021		LX	Trail: Other
	3355		CH	Trail: Portage		I		2420031		LX	Trail: Portage
1318		5414	RE	Transformer Station: Generic/unknown		I	1360050		1360052	EN	Transformer station
	3378		RE	Transmission line: Power, other		R		1120011		EN	Power transmission line: Overhead
	3379		RE	Transmission line: Power, submarine		R		1120021		EN	Power transmission line: Submarine
	3380		RE	Transmission line: Telephone, other		I		2230011		BS	Transmission line: Telephone, other
	3377		RE	Transmission line: Unknown, unknown	0	X					---
		5450	FO	Tundra polygon: Generic/unknown		I			1080062	FO	Tundra polygon
		5461	SS	Tundra pond: Generic/unknown		I			1320012	SS	Tundra pond
	3424		CO	Tunnel: Generic/unknown		G		1760011		TR	Road segment (Structure type = "Tunnel")
1387			RF	Turntable: Generic/unknown		I	2320010			TR	Turntable
1710		5806	CO	Underground reservoir: Generic/unknown		I	2380010		2380012	BS	Underground reservoir
1398			RE	Valve: Generic/unknown		I	1340010			EN	Valve
		5505	VE	Vegetation: Generic/unknown		R			1240022	VE	Wooded area: Interpreted
		5506	VE	Vegetation: Orchard		R			1240022	VE	Wooded area: Interpreted
		5509	VE	Vegetation: Tree nursery		R			1240022	VE	Wooded area: Interpreted
		5507	VE	Vegetation: Vineyard/hopfield		R			1240022	VE	Wooded area: Interpreted
		5508	VE	Vegetation: Wooded area		R			1240022	VE	Wooded area: Interpreted
	3472		CO	Wall/fence: Fence		I		2240011		BS	Wall/Fence: Fence
	3471		CO	Wall/fence: Generic/unknown	0	X					---
	3473		CO	Wall/fence: Wall		I		2240021		BS	Wall/Fence: Wall
1701	3749		HD	Water disturbance: Falls		R	1460020	1460021		HD	Hydrographic obstacle entity: Falls
1700	3748	5796	HD	Water disturbance: Generic/unknown		R	1460030	1460031	1460032	HD	Hydrographic obstacle entity: Rapids

Table of correspondence between entities of NTDB and CanVec

NTDB						Action	CanVec				
Code (Point)	Code (Line)	Code (Area)	Theme	Entity : Attributes combination	Note		Code (Point)	Code (Line)	Code (Area)	Theme	Entity : Attributes combination
1702	3750	5798	HD	Water disturbance: Rapids		R	1460030	1460031	1460032	HD	Hydrographic obstacle entity: Rapids
		5550	HD	Waterbody: Flooded area		R			1480232	HD	Waterbody: Indefinite, indefinite (Permanency = "Permanent")
		5545	HD	Waterbody: Generic/unknown	0	X					---
		5546	HD	Waterbody: Intermittent/slough		R			1480232	HD	Waterbody: Indefinite, indefinite (Permanency = "Intermittent")
		5549	HD	Waterbody: Irrigation canal		R			1480232	HD	Waterbody: Indefinite, indefinite (Permanency = "Permanent")
		5548	HD	Waterbody: Other		R			1480232	HD	Waterbody: Indefinite, indefinite (Permanency = "Permanent")
	3511		HD	Watercourse: Generic/unknown		R		1470191		HD	Single line watercourse: Watercourse, indefinite (Permanency = "Permanent")
1479			CO	Well: Brine	0	X					---
1478			CO	Well: Generic/unknown		I	2350010			BS	Well: Unknown
1480			CO	Well: Petroleum		I	2350030			BS	Well: Petroleum
1481			CO	Well: Water		I	2350020			BS	Well: Water
		5588	SS	Wetland: Generic/unknown		I			1320042	SS	Wetland
	3551		HD	Wharf: Generic/unknown		R		1450081		HD	Manmade hydrographic entity: Wharf (Manmade status = "Operational")
1514			CO	Wind-operated device: Generic/unknown		I	2170010			EN	Wind-operated device
		5621	AD	Zoo: Generic/unknown		I			2560012	LX	Zoo