

The Simplification of VanMap: A New Generation

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City of Vancouver
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On behalf of the GIS Sustainment Team

Agenda

- Context
- Forces of change
- Six examples of simplified VanMap
- Future plans

The Context for VanMap

- Staff VanMap went live in 1999, public in 2001
- Initial focus was on viewing data, revised focus was applications and data
- VanMap rich in data and functionality
- Some find it cumbersome to use, particularly for the casual user

Drivers for Change

- Some users wanted focus and simplicity
- Corporate Communications wanted familiarity and ease of use
- We wanted to keep people happy

How VanMap Became Simpler

- Have not abandoned traditional VanMap
- Have introduced multiple versions
 - Sometimes single purpose
 - Sometimes just easier to use
 - Sometimes with a more familiar interface

Public VanMap Web Site: Starting Place


The screenshot displays the VanMap Public ActiveX Viewer interface within a Microsoft Internet Explorer browser window. The address bar shows the URL: <http://vanmappub.vancouver.ca>. The interface includes a navigation toolbar with icons for pan, zoom, and other map functions. A search bar is located at the top left, with the text "Address Search" and fields for "Number" and "Street". Below the search bar, there is a "Legend Options" dropdown menu and a "Go" button. The main map area shows a street grid of Vancouver, with various neighborhood names labeled, including West End, Downtown, Strathcona, Hastings-Sunrise, West Point Grey, Kitsilano, Fairview, Mount Pleasant, Arbutus-Ridge, Shaughnessy, Riley Park, Renfrew-Collingwood, Dunbar-Southlands, Kerrisdale, Oakridge, Marpole, Sunset, Victoria-Fraserview, and Killamey. A legend on the left side of the map lists various data layers, such as City Boundary, City Olympic Sites, Public Art, Homeless Shelters, Public Places, The Road Ahead, City Projects, Child Care Facilities, Web Cameras, Non-Market Housing, City-owned Properties, Cemetery, Urban Agriculture, Contour Lines, Poster Cylinders, Truck Routes, Railways, Canada Lines and Sk, Traffic Related, Sewer, Water, City Streets Network, Bridges and Related, View Cones, Subdivision Categories, DCL Areas, Zoning Districts Types, Zoning Districts, Business Improvement, False Creek Navigable, Youth, Property Information, Facet Grids, Garbage Schedule Zones, Administrative & Services, Shore Lines (2002), and Shore Lines (1993) are listed. The status bar at the bottom indicates "0 feature(s) selected", a scale of "1: 94,052", and a map size of "13.1 x 9.93 (mi)". The City of Vancouver logo and "Data quality not guaranteed" are visible in the bottom right corner of the map area.

Example 1: VanMapLite


- VanMapLite was implemented in 2002
 - Focus on simplicity
 - Immediate rationale was for the election
- PNG-based and browser independent
- No plug-in required
- Much less data and functionality


























VanMapLite Web Site

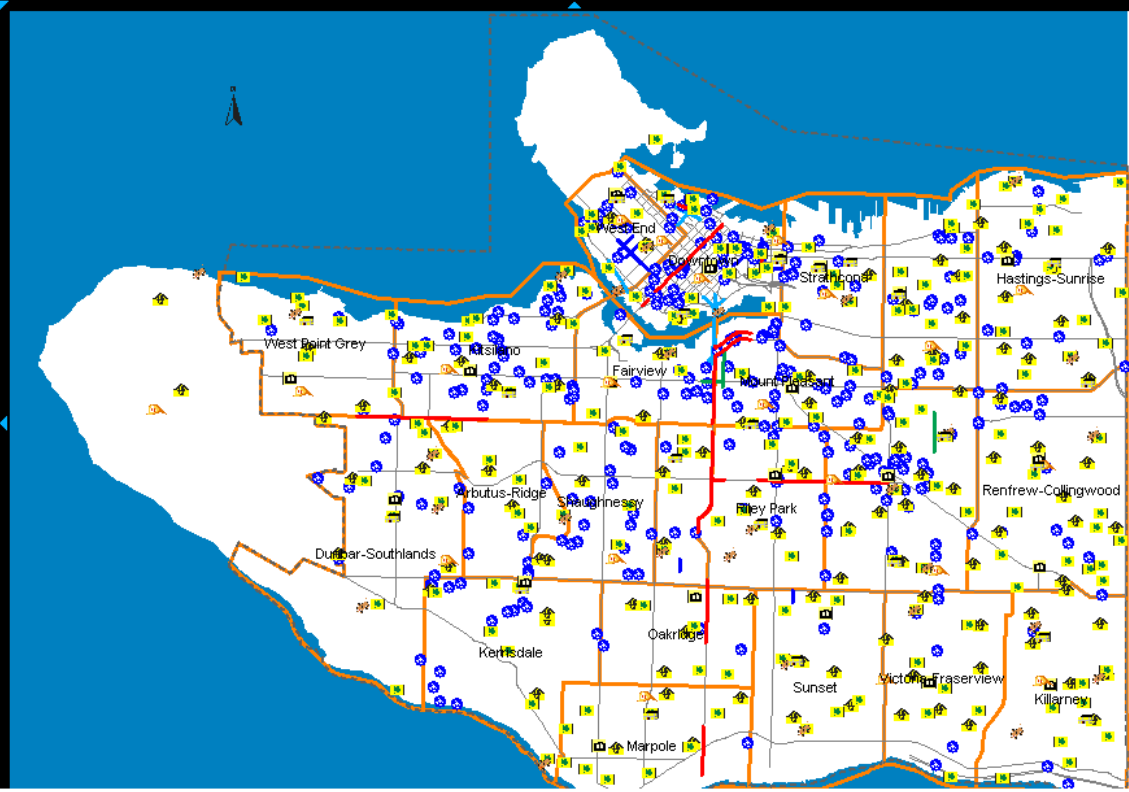
http://vanmappub.vancouver.ca - VanMapLite, Public VanMap No-Plug-in Version - Microsoft Internet Explorer provided by the City

VanMapLite Help Go 


Click map to: Zoom In Zoom Out Recenter Identify

Bookmarks + Full View 

Layer List	
Catch Basins	
City Boundary	
City Projects (Sites-based)	
City Projects (Streets-based)	
Community Centres	
Dog off-leash Areas	
Fire Halls	
Heritage Sites	
Libraries	
Local Areas	
North Arrow	
One Way Streets	
Parks	
Parcel Boundaries	
Property Address Number	
Property Dimensions	
Public Streets	
Reference Streets	
Road Closures	
Roadwork-Under Construction	
Roadwork-Upcoming Projects	
Schools	
Shore Lines and Sea	
Water Bodies	
Orthophotos 2008 <input type="radio"/> On <input checked="" type="radio"/> Off	



Done Local intranet



Example 2: Property Information Report

- Standard way to get property info was to zoom to parcel and double click
- Can get property info report without the map, but driven by GIS
- Faster and easier if map not required
- Internal version only at this point

Property Information Report Sample

Reportal for VanMap Staff Edition - Microsoft Internet Explorer provided by the City of Vancouver

Address: http://vanmap.vancouver.ca/reportal/vmse_parcelindex2_cas.cfm?&parcelID=__FIYOCA&address=123st&c=456&s=abc

Available Information

453 W 12TH AV

Report Name Links

- Business Lienses
- SAP Real Estate
- Address Relationships and CSG Information
- Owner Notification
- Tax Attributes
- Fire Hall
- Prism Permits
- Districts & Polygons

VanMap staff edition

Print date: 05-Oct-09, 10:27 AM

Tax Attributes Report

For internal staff use only [Disclaimer](#)
Source: from Tempest Tax System. (see [About Data](#) for the latest update.) [Printer Friendly Version](#)

Record	PID Number	Folio Number	From Address Number	To Address Number	Street Name	Owner 1	Owner 2	Mail Address 1	Mail Address 2	Mail Address 3	Owner Postcode	Property Postcode	Year Built As of May 2007	In Y
1	014-570-505	670170070000		453	12TH AVE W	VANCOUVER CITY OF		C/O CITY OF VANCOUVER REAL EST	453 12TH AVE W	VANCOUVER BC V5Y 1V4	V5Y 1V4	V5Y 1V4		

City of Vancouver

Done Local intranet

Example 3: The Road Ahead

- The Road Ahead focuses on street construction and projects in the City
- Engineering developed wrapper; GIS developed embedded VanMap
- One of the most popular components of the City's web site
- Plan is to “beautify” VanMap component

Road Ahead Web Site

- Road Ahead

Example 4: Disability Parking

- Single purpose map to show where reserved spots exist for disabled people
- Also shows parking meter rate areas
- Motivation is simplicity and focus

Disability Parking Web Site

- [Disability Parking](#)

Example 5: Host City VanMap

- Host City web site is designed to help people cope with life during the Games
- Primary driver for maps was simplicity and familiarity (i.e., like Google)
- Includes maps and other helpful info

Host City Web Site

- [Host City](#)

Example 6: Community Resource Mapping

- Focuses on community resources in the Downtown Eastside
- Driver was simplicity and ease of use
- Push came from community consultants and Social Planning
- Iconology was particularly important

Community Resource Mapping Web Site

- Community Resource Mapping

Example 7: OpenData

- OpenData is an alternative approach to simplification as it makes data available at no cost with virtually no restrictions on use
- Flows from Open Data, Open Standards, Open Source (Open3) Council motion passed in May
- OpenData splits data from viewer to allow public to do what they want with City data

OpenData Web Site

- OpenData

Future Directions and Plans

- Have already been approached for two more simplified versions
- Will continue to simplify interface and move to familiar look and feel where possible
- Will continue to add more data to OpenData web site

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- <http://vancouver.ca/data>
- vanmap@vancouver.ca
- opendata@vancouver.ca

Road Ahead Screen Capture

The Road Ahead, Engineering Services, City of Vancouver - Microsoft Internet Explorer provided by the City of Vancouver

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print

Address <http://vancouver.ca/engsvcs/streets/roadwork/index.cfm> Go

CITY OF VANCOUVER **The Road Ahead** City of Vancouver Search Help

Residents Business Visitors Jobs with the City Services Departments City Projects Pay & Purchase Online

Road Ahead Home
Contact us

Quicklist - Projects & Events
Traffic advisories
Join our subscription list
About "The Road Ahead"
Road Ahead videos
Frequently asked questions
Safety tips

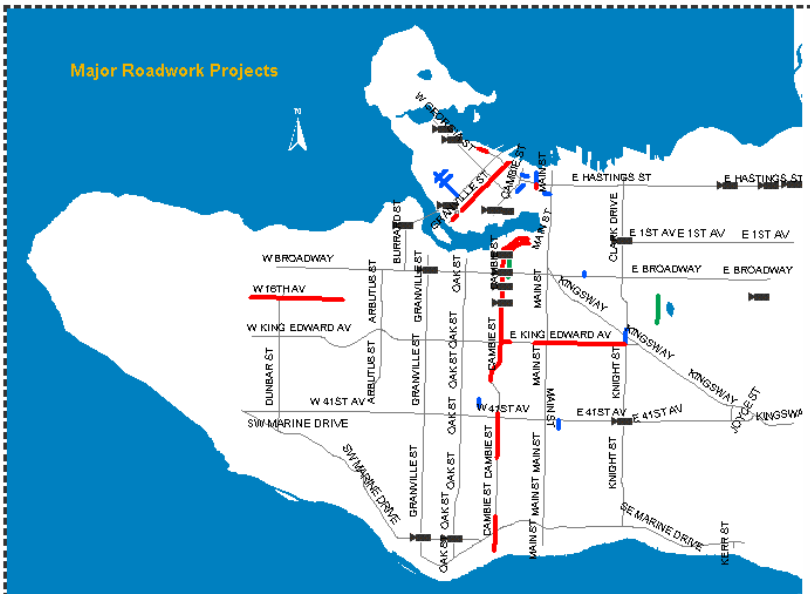
Related information
Engineering home
VanMap
Drive BC
One Day Vancouver
Jack Bell RideShare
Street Restoration Manual

The Road Ahead

Major Roadwork Projects Map

■ Under Construction ■ Road Closure ■ Upcoming Project ■ Traffic Camera

Map & Legend
Click map to: Identify Zoom In Zoom Out Unzoom



Major Roadwork Projects

The map displays various streets in Vancouver with color-coded roadwork projects. Red lines indicate areas under construction, purple lines indicate road closures, and green lines indicate upcoming projects. Black icons represent traffic cameras. The map includes a grid of streets with labels such as W Broadway, W King Edward Av, W 18th Av, W 41st Av, and W 44th Av on the west side, and E Hastings St, E Broadway, E King Edward Av, E 1st Ave, and E 41st Av on the east side. Major thoroughfares like Burrard St, Granville St, Cambie St, and Kingsway are also shown.

Disability Parking Screen Capture

Park Smart - Parking Enforcement, Engineering Services - Microsoft Internet Explorer provided by the City of Vancouver

File Edit View Favorites Tools Help

Address <http://vancouver.ca/engsvcs/parking/enf/parksmart/disabled.htm>

Google Search

Parking Spaces For People With Disabilities

SPARC placard holders are also able to park in the following zones designated for people with disabilities. Hover mouse cursor over disabled parking icon and a window box will appear with the location address.

- SCHOOL ZONES
- PARK vs. STOP
- Time limit zones
- Tour bus zone
- Unsigned streets & lanes

Quick Links

- Parking Management

Disability Parking Parking Meter Rates & Time Limits

X: 494869.0 0 feature selected 1: 119447 21.93 x 13.40 (km) Powered by VanMap

Internet

Host City Screen Capture

2010 Host City - Bike Route Network - Microsoft Internet Explorer provided by the City of Vancouver

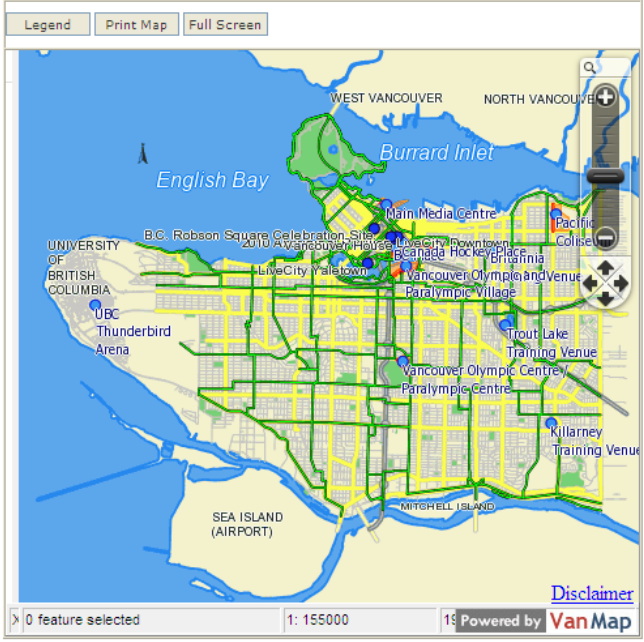
File Edit View Favorites Tools Address <http://olympichostcity.vancouver.ca/gettingaround/biking/bikeroutenetwork.htm#1> Go

Back Search Favorites

This [map](#) (PDF 2.32mb) shows the bike network during the 2010 Winter Games, including closures and temporary bike routes.

A regional bicycle route planning tool, which will help you to identify a cycling route between two locations in Greater Vancouver, has recently been launched by researchers at UBC. As the 2010 Winter Games approach, this planner will be updated to include all of the route network changes. Click [here](#) to access the route planner. Visit vancouver.ca to learn more about cycling in Vancouver.

View the City's bike network during the 2010 Winter Games online, including closures and temporary bike routes.



Legend Print Map Full Screen

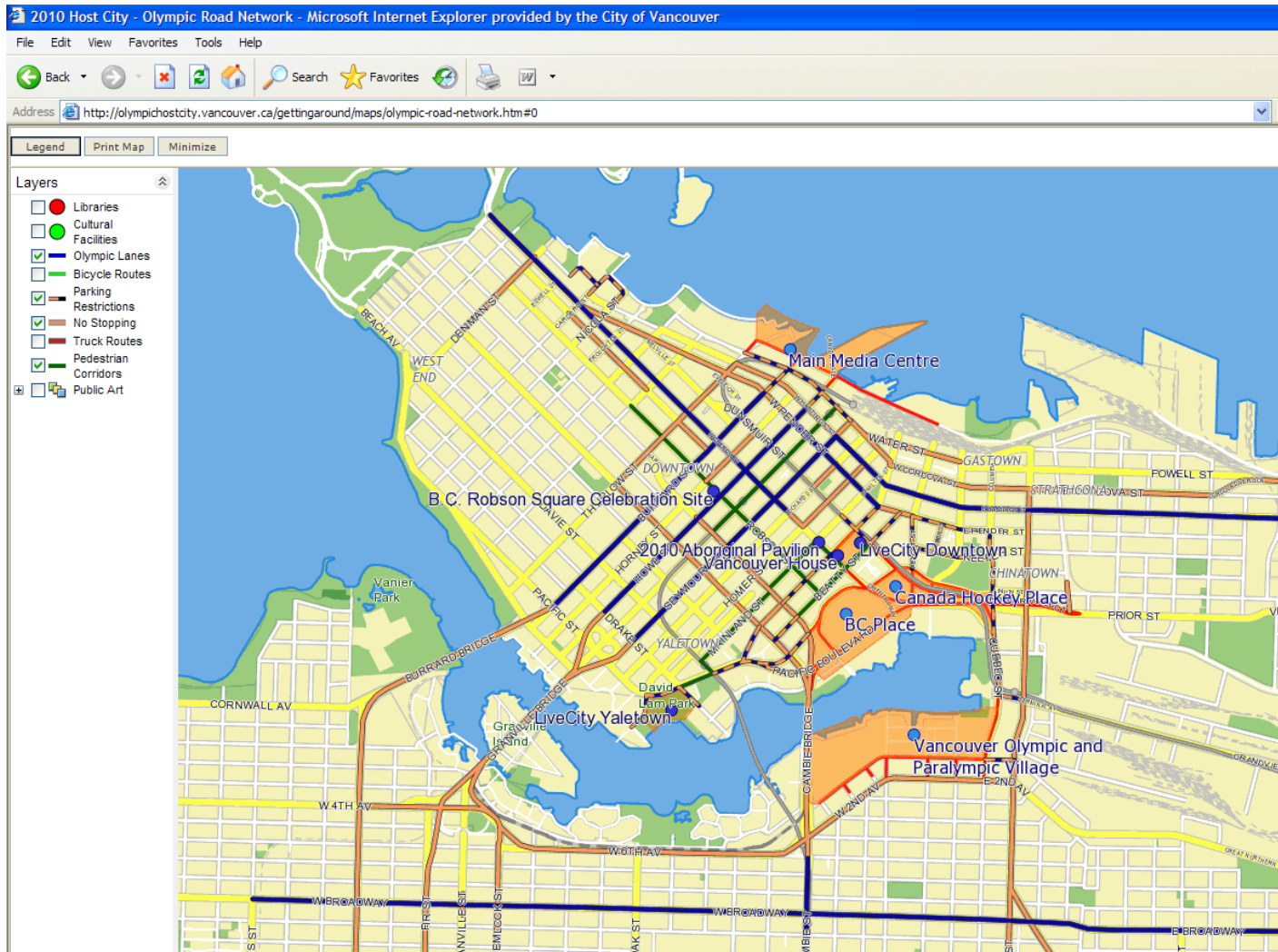
WEST VANCOUVER NORTH VANCOUVER
English Bay Burrard Inlet
Main Media Centre Pacific Coliseum
B.C. Robson Square Celebration Site
2010 Vancouver Home Canada Hockey Place
University of British Columbia
UBC Thunderbird Arena
Vancouver City Centre
Vancouver Olympic and Paralympic Village
Paralympic Village
Trout Lake Training Venue
Vancouver Olympic Centre/Paralympic Centre
Kilgarney Training Venue
SEA ISLAND (AIRPORT) MITCHELL ISLAND

0 feature selected 1: 155000 15 Powered by VanMap

Done Internet

CITY OF VANCOUVER

Host City Screen Capture



Community Resource Mapping Screen Capture

Inner-City Community Resources Mapping Using MGE 2010 - Microsoft Internet Explorer provided by the City of Vancouver

File Edit View Favorites Tools Help

Address http://vanmapp3.vancouver.ca/strathcona_map/

Inner-City Community Resources

VanMap public edition

Zoom

Layers

- Health
 - Addiction Treatment - Adult
 - Addiction Treatment - Youth
 - Community Health
 - Detox - Adult
 - Detox - Youth
 - Long Term Care
 - Mental Health
- Education & Training
 - Schools
 - Job Training
 - Libraries
 - School Boundaries
- Community Centres
 - Community Centres (VanMap)
 - Community Centres
 - Family Place
 - Neighbourhood House
- Recreation
 - Parks
 - Swimming Pools
- Child & Youth
 - Group Child Care Centres
 - Out Of School Care

X: 495852.101592, Y: 5459563.644868 (METER) 0 feature selected 1: 19924.40 4.54 x 2.62 (km) Powered by VanMap

Done Internet

Open Data Screen Capture

Vancouver's Open Data Catalogue - Beta version - Microsoft Internet Explorer provided by the City of Vancouver

File Edit View Favorites Tools Help

Back Search Favorites

Address <http://data.vancouver.ca/>

CITY OF VANCOUVER Open Data Catalogue - *Beta version*


City of Vancouver Search Help

Residents Business Visitors Jobs with the City Services Departments City Projects Pay & Purchase Online

Open data home

Get the data
Data catalogue

About the data
Data formats
Data updates
Terms of use
Feedback



Vancouver's Open Data Catalogue - Beta Version

As part of its commitment to enhancing citizen engagement, fostering digital innovation and improving service delivery, the City of Vancouver is taking bold steps to provide more of its data to the public. This open data website supports City Council's motion on Open Data, Open Standards and Open Source ([read the full Council resolution](#) 22 KB).

By freely sharing its data in accessible formats — while respecting privacy and security concerns — Vancouver is joining many government agencies in moving to harness the energy and involvement of citizens, community-based organizations and private businesses in everything from creative community problem-solving to the development of new service delivery ideas and solutions.

As a first step, we are focusing on providing our geospatial data — data used to build [VanMap](#). Over time, this data catalogue will continue to grow as we add more types of data in a greater variety of formats. Your use of the data available from this site is governed by the City's [Terms of Use](#) and by downloading the data, you are agreeing to be bound by these [Terms of Use](#).

You can help. Give your input on our data catalogue.

Our City has a wealth of information and data collected in a wide variety of

Announcements

[City Council Motion: Open Data, Open Standards and Open Source \(PDF\)](#) 22 KB

Take our Survey

[Help decide which VanMap layers should be made available first.](#)

Data updates

Receive updates on developments related to this site:

- [Subscribe to the RSS feed](#)
- [Subscribe to the mailing list](#)

Connect with the Community

Community developers have created a wiki and discussion group to share application ideas and discuss datasets.

[Vancouver Open Data Wiki](#)

[Discussion Group](#)

Please note: These community sites are not affiliated with the City of Vancouver.

CITY OF VANCOUVER

Open Data Screen Capture

Data Catalogue: City of Vancouver Open Data Catalogue - Beta version - Microsoft Internet Explorer provided by the City of Vanco

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print

Address <http://data.vancouver.ca/datacatalogue/index.htm>

Open Data Catalogue - *Beta version*

 City of Vancouver
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Data catalogue

Name	CSV/ XLS	DWG	KML	SHP	ECW	Mr SID
C						
Community Centres	✓		✓			
Contour				✓		
D						
Drinking fountains	✓					
F						
Facet grid boundaries			✓	✓		
Fire Halls	✓		✓			
G						
Garbage collection schedule zones				✓		
L						
Land (cadastral)				✓		
Libraries	✓		✓			
Local area boundary data			✓	✓		
M						
Municipal Election Results	✓					
O						
Orthophoto imagery					✓	✓
P						
Parks	✓					
S						
Schools	✓					

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