

OPEN SOURCE, OPEN DATA IN COMMERCIAL REAL ESTATE



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Presented by:

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OPEN SOURCE, OPEN DATA **IN COMMERCIAL REAL ESTATE**

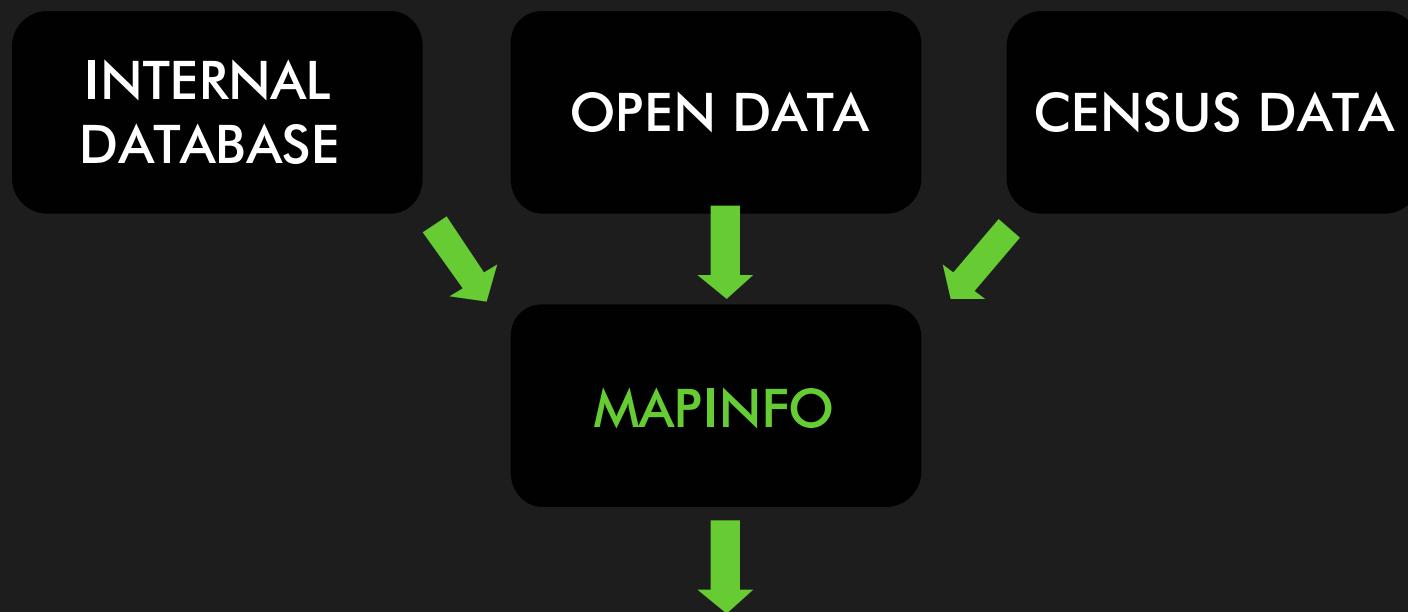
OVERVIEW

- Using Open Data
 - How?
 - Examples...
 - Benefits
- Future of Open Data
- Conclusion

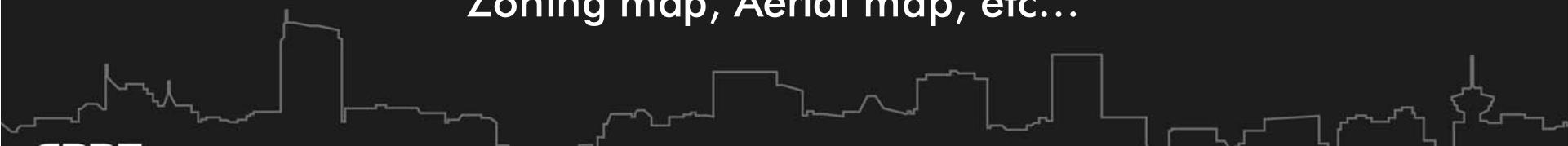


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FLOW CHART

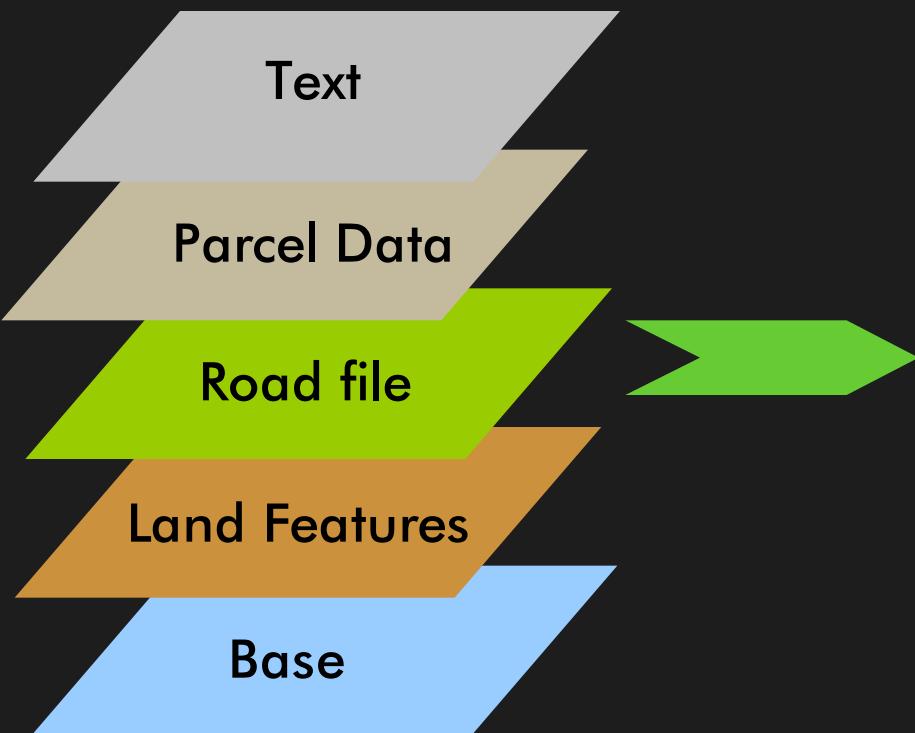


Location map, Available Properties map, Thematic map, Survey map,
Zoning map, Aerial map, etc...

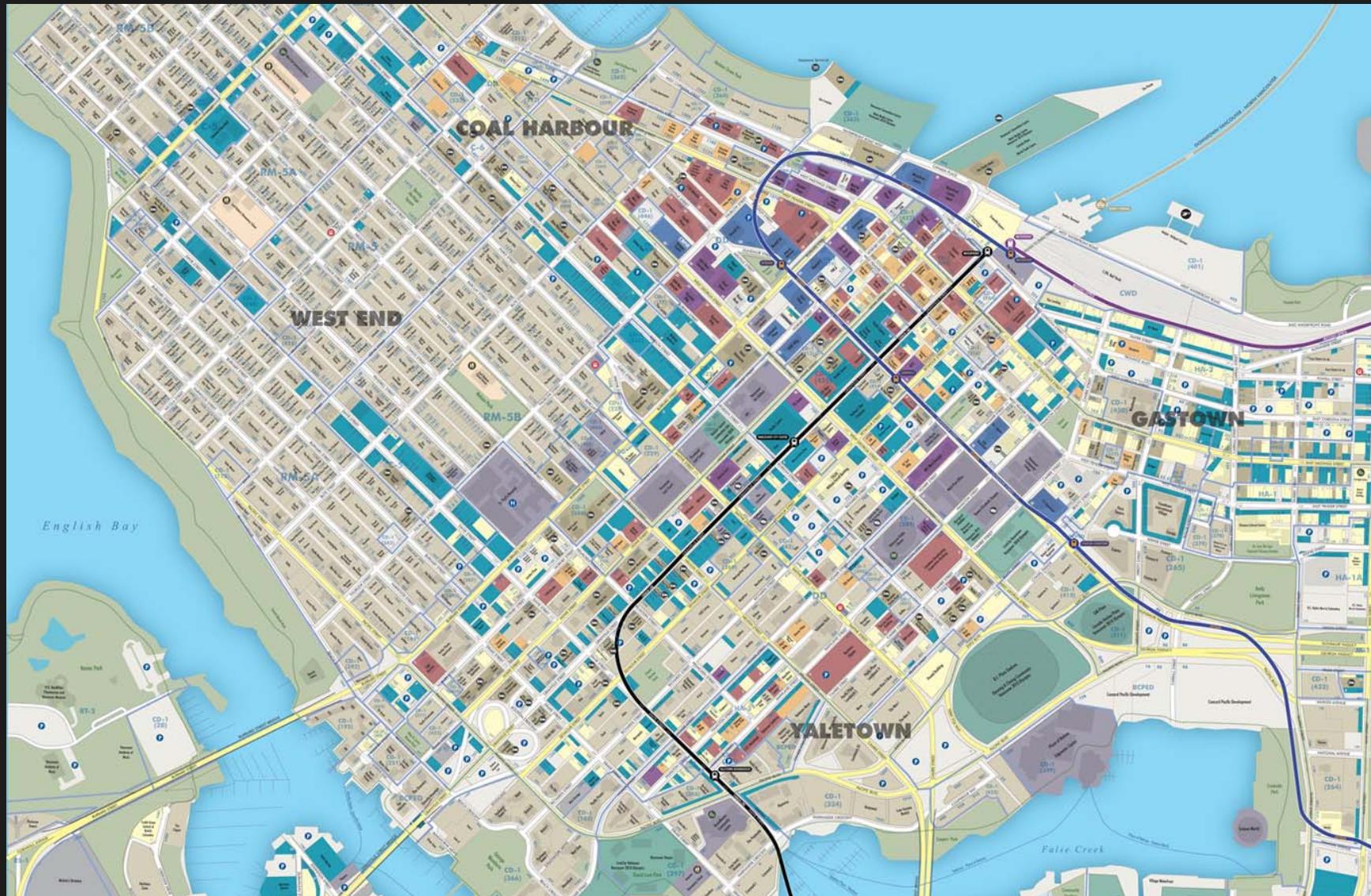


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THE PROCESS



OPEN SOURCE, OPEN DATA IN COMMERCIAL REAL ESTATE USING OPEN DATA



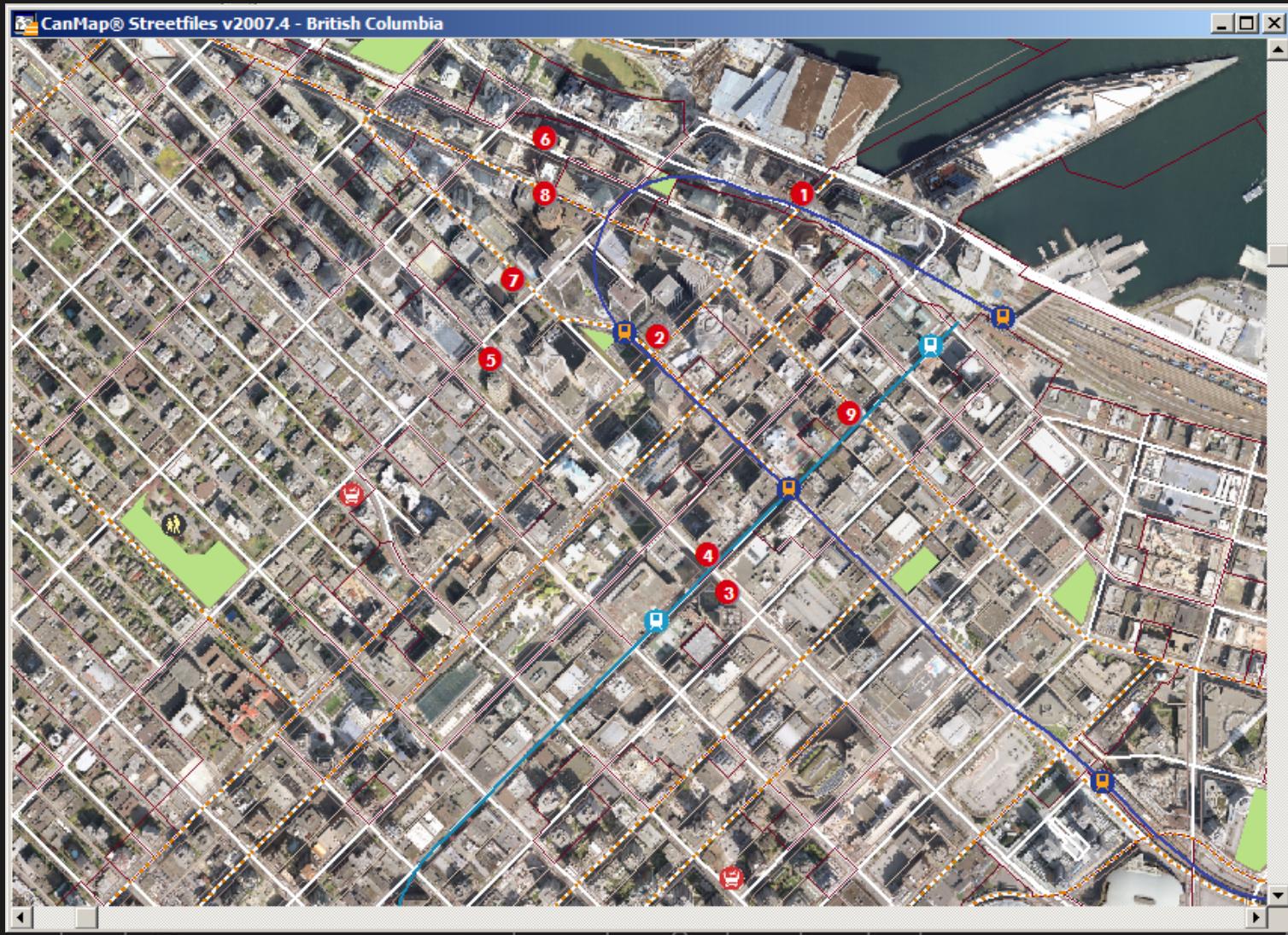
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Central Business District



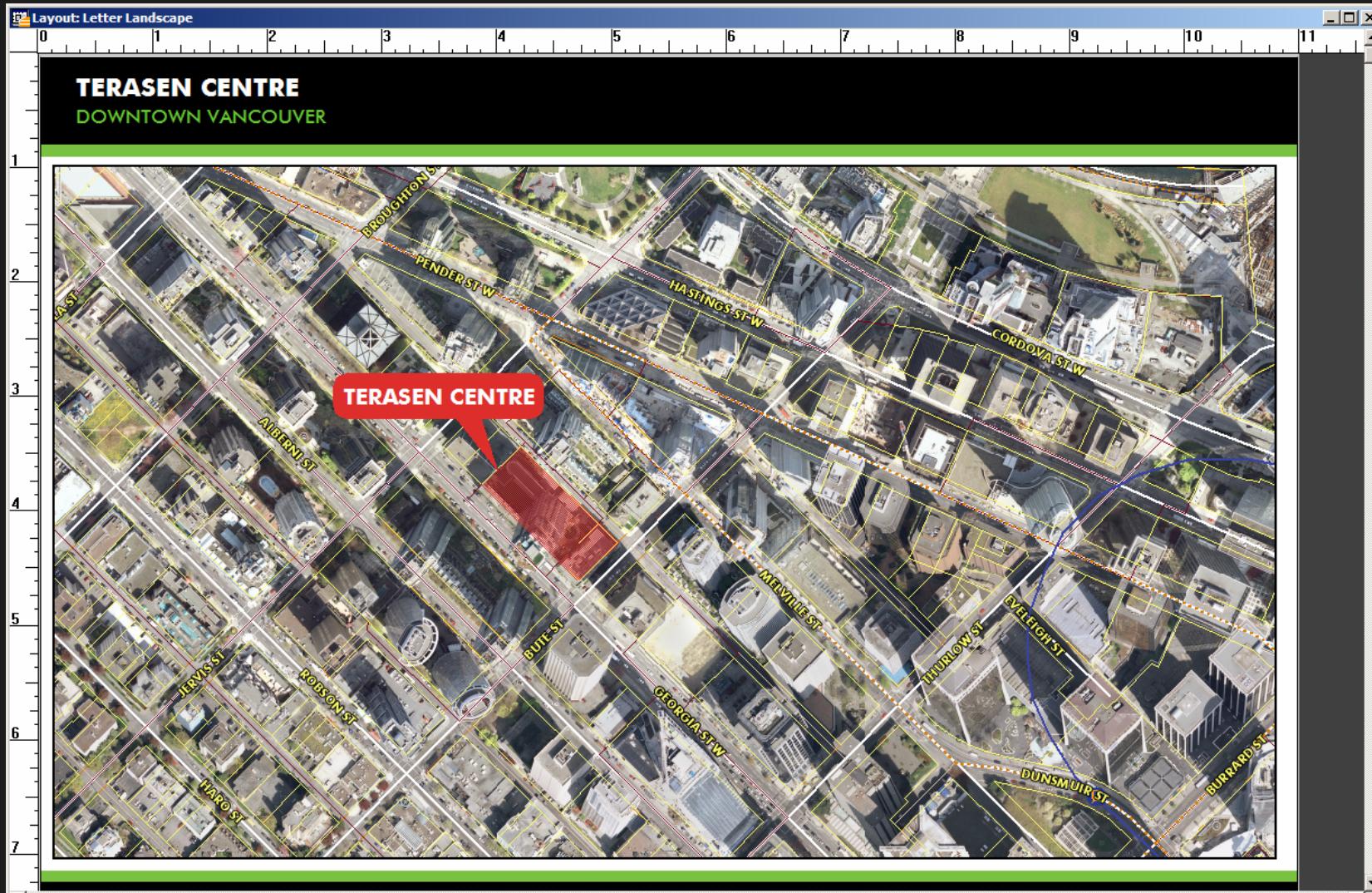
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Available Properties – City of Vancouver Open Data



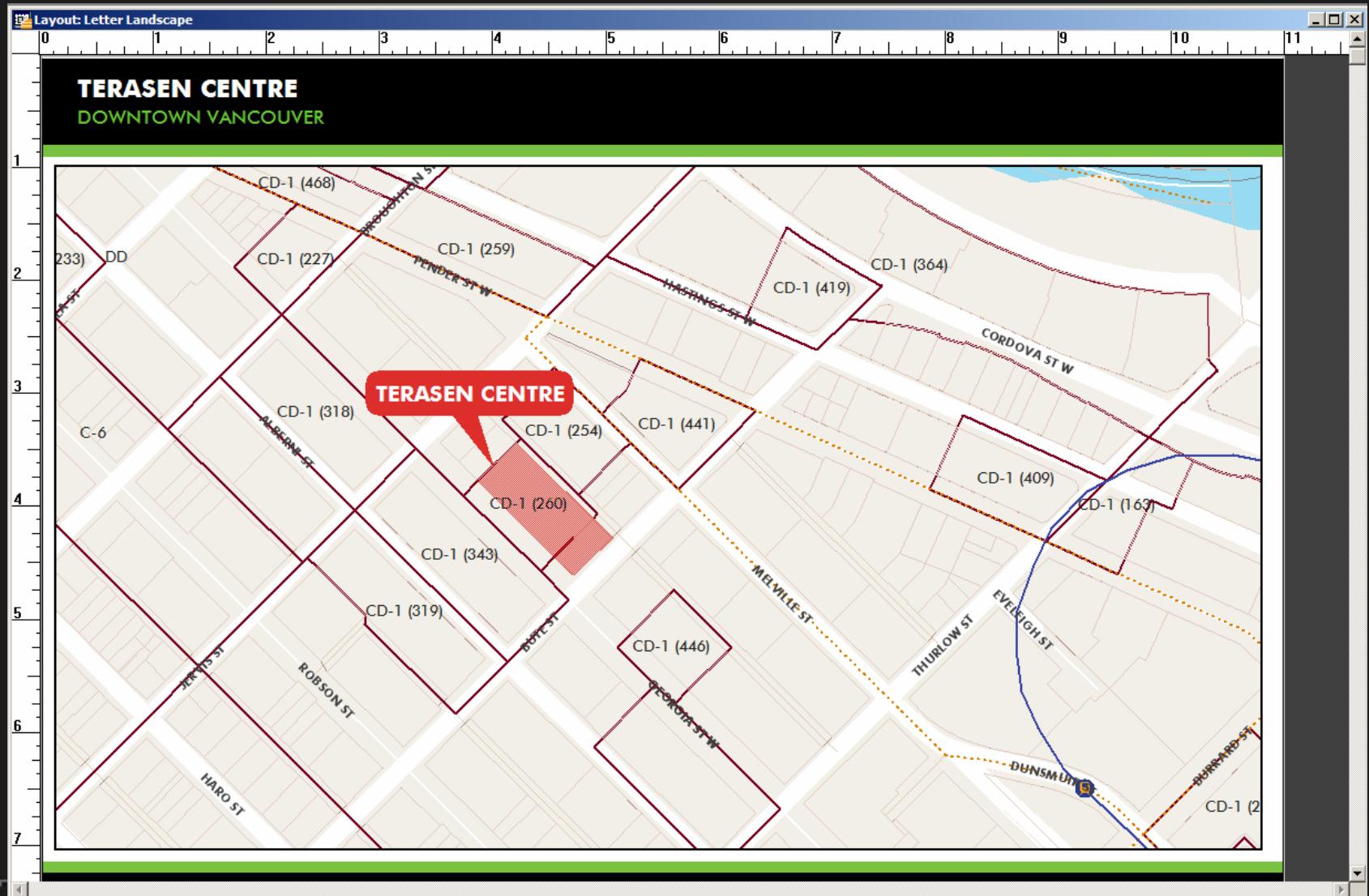
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Location map – City of Vancouver Open Data



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Zoning – City of Vancouver Open Data



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BENEFITS OF USING OPEN SOURCE DATA

- Getting it, Changing it, Sharing it!
- Cost – no cost!
- Up-to-date



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FUTURE OF OPEN SOURCE

The Future is Open!



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OPEN SOURCE SOFTWARE

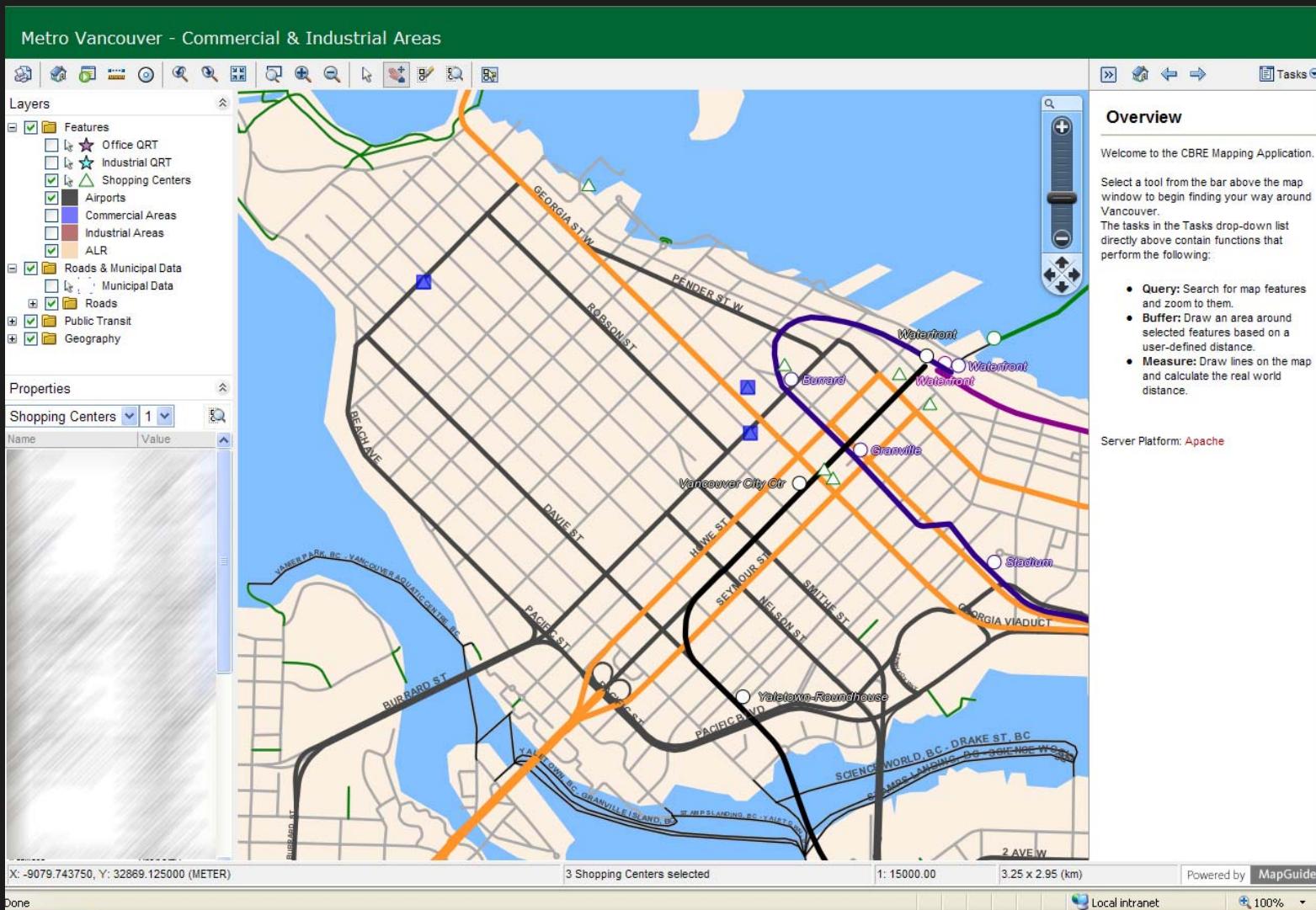


MapGuide Open Source

- Web-based platform
- Enables users to develop and deploy web mapping applications
- Supports most geospatial file formats, databases and standards
- Application development with PHP, .NET, Java and JavaScript APIs
- Source: *MapGuide Project Home* [<http://mapguide.osgeo.org/>]



Overview of Features



Overview of Features - Tasks

- Query Features

Perform attribute-based searches

- Buffer Features

Create zones around map features

- Select Within

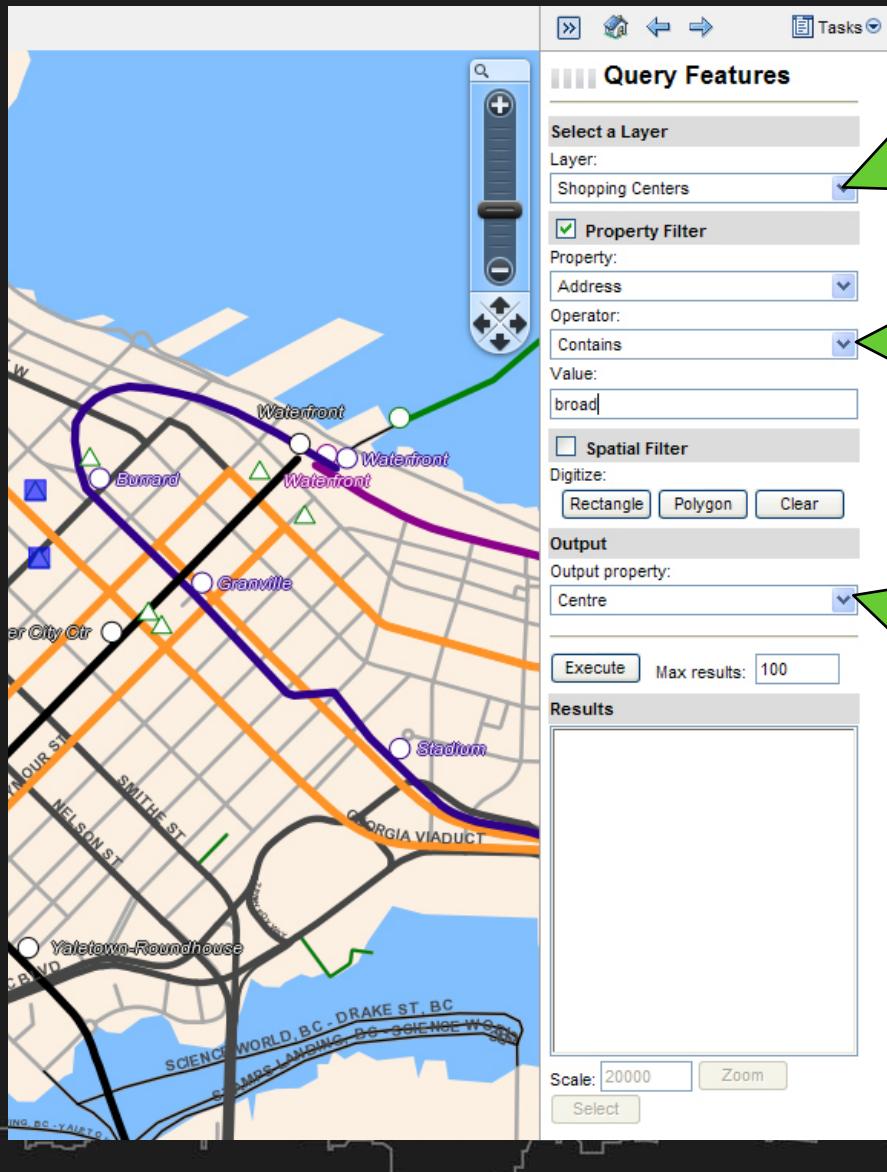
Determine spatial intersections between features

- Measure

Draw paths on the map and measure real world distance



MapGuide – Query Features



Layer: Shopping Centers

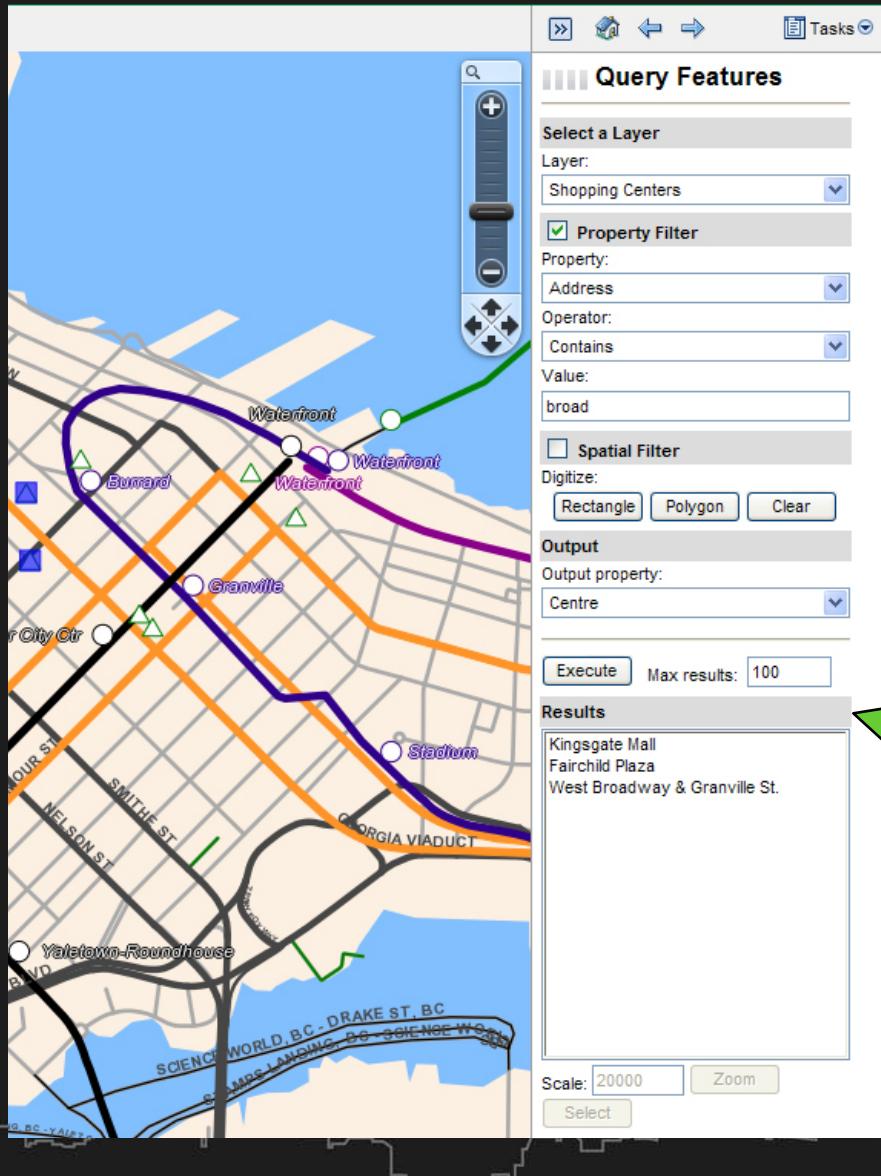
Property: Address

Operator: Contains

Value: "broad"

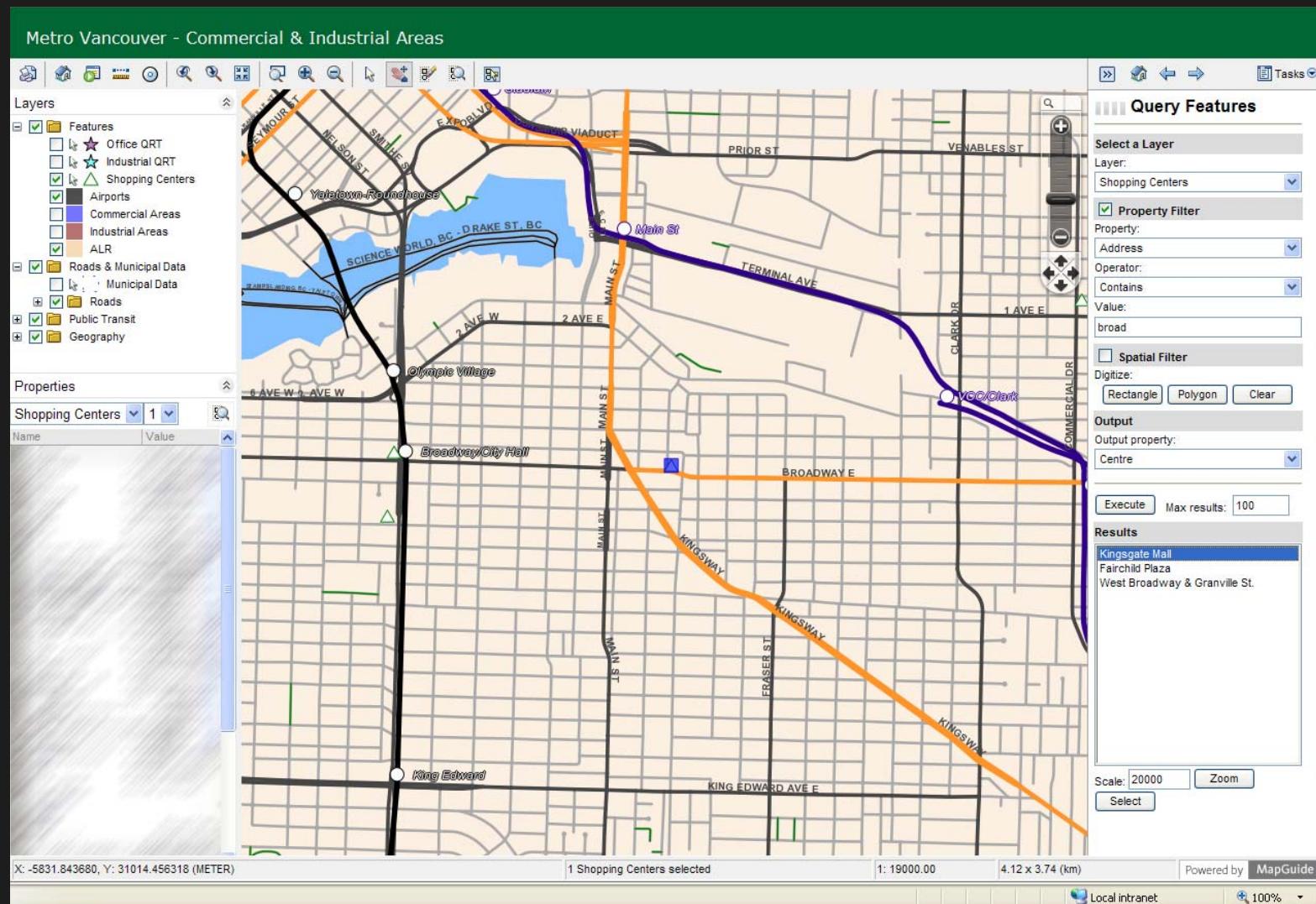
Output: Centre

MapGuide – Query Features



- Click Execute to perform query
- List of results is returned

MapGuide – Query Features

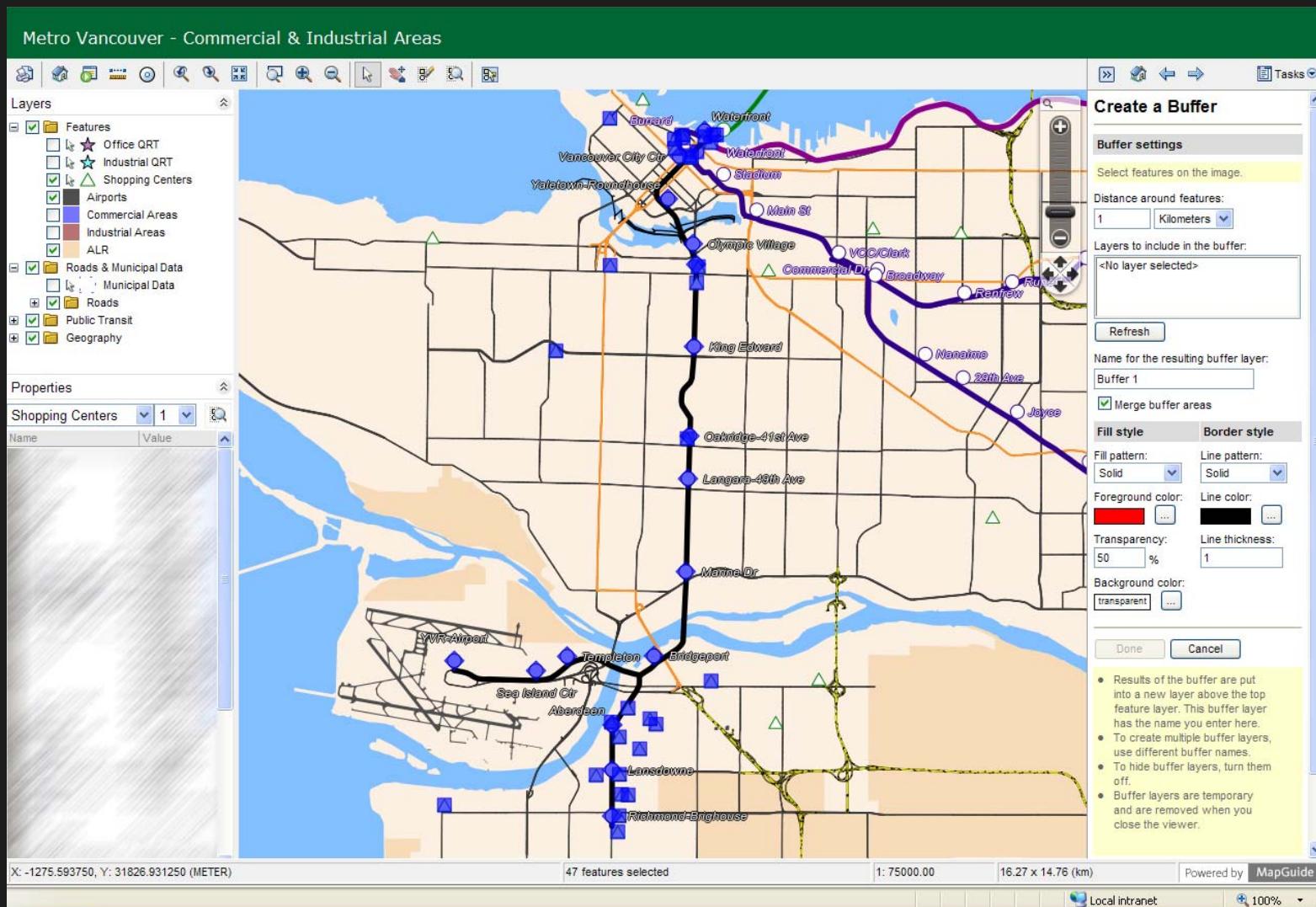


MapGuide – Buffer Features

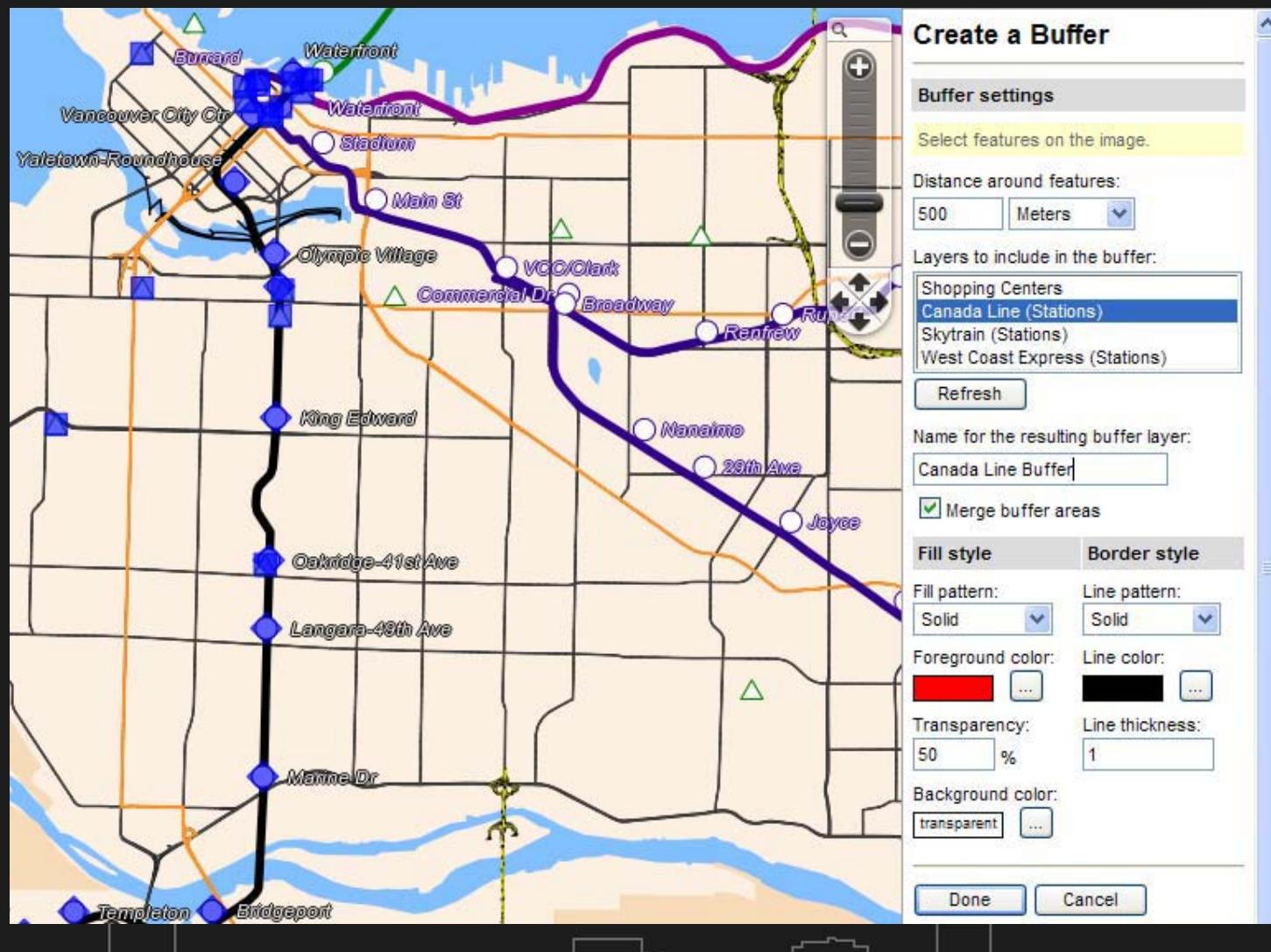
- Create zones around map features
- User defines the buffer distance
- Can be used to perform spatial analysis
 - Example: Find shopping centers downtown that are within 500 meters of the Canada Line.



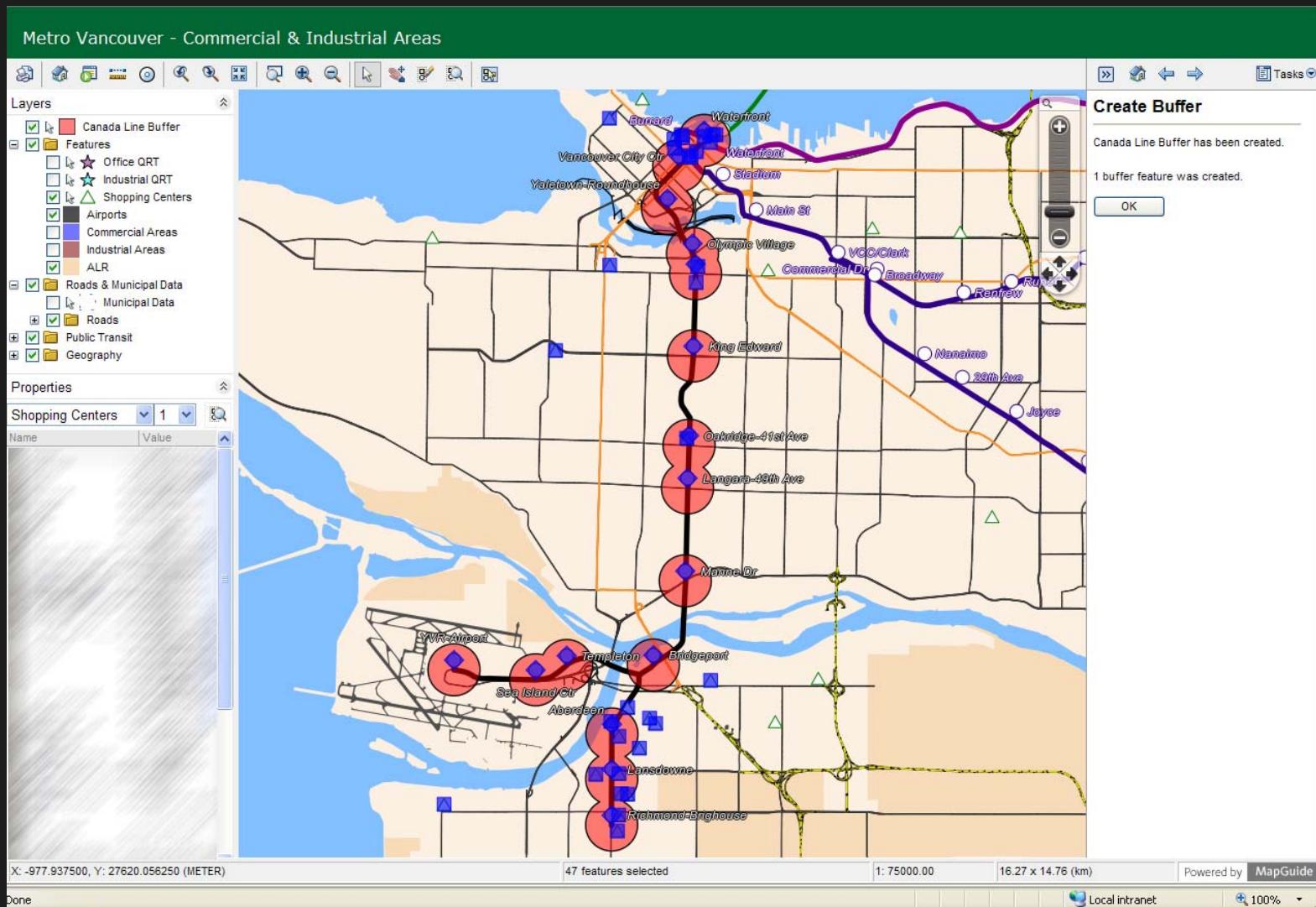
MapGuide – Buffer Features



MapGuide – Buffer Features



MapGuide – Buffer Features



MapGuide – Select Within

Metro Vancouver - Commercial & Industrial Areas

Layers

- Canada Line Buffer
- Features
 - Office QRT
 - Industrial QRT
 - Shopping Centers
 - Airports
 - Commercial Areas
 - Industrial Areas
 - ALR
- Roads & Municipal Data
 - Municipal Data
 - Roads
 - Public Transit
 - Geography

Properties

Canada Line Buffer 1

Name Value

Select Within

Select areas on the image.

Restrict results to selected layers:

- Canada Line Buffer
- Office QRT
- Industrial QRT
- Shopping Centers**
- Municipal Data
- Canada Line (Stations)
- Evergreen Line (Stations)
- Seabus (Stations)
- Skytrain (Stations)

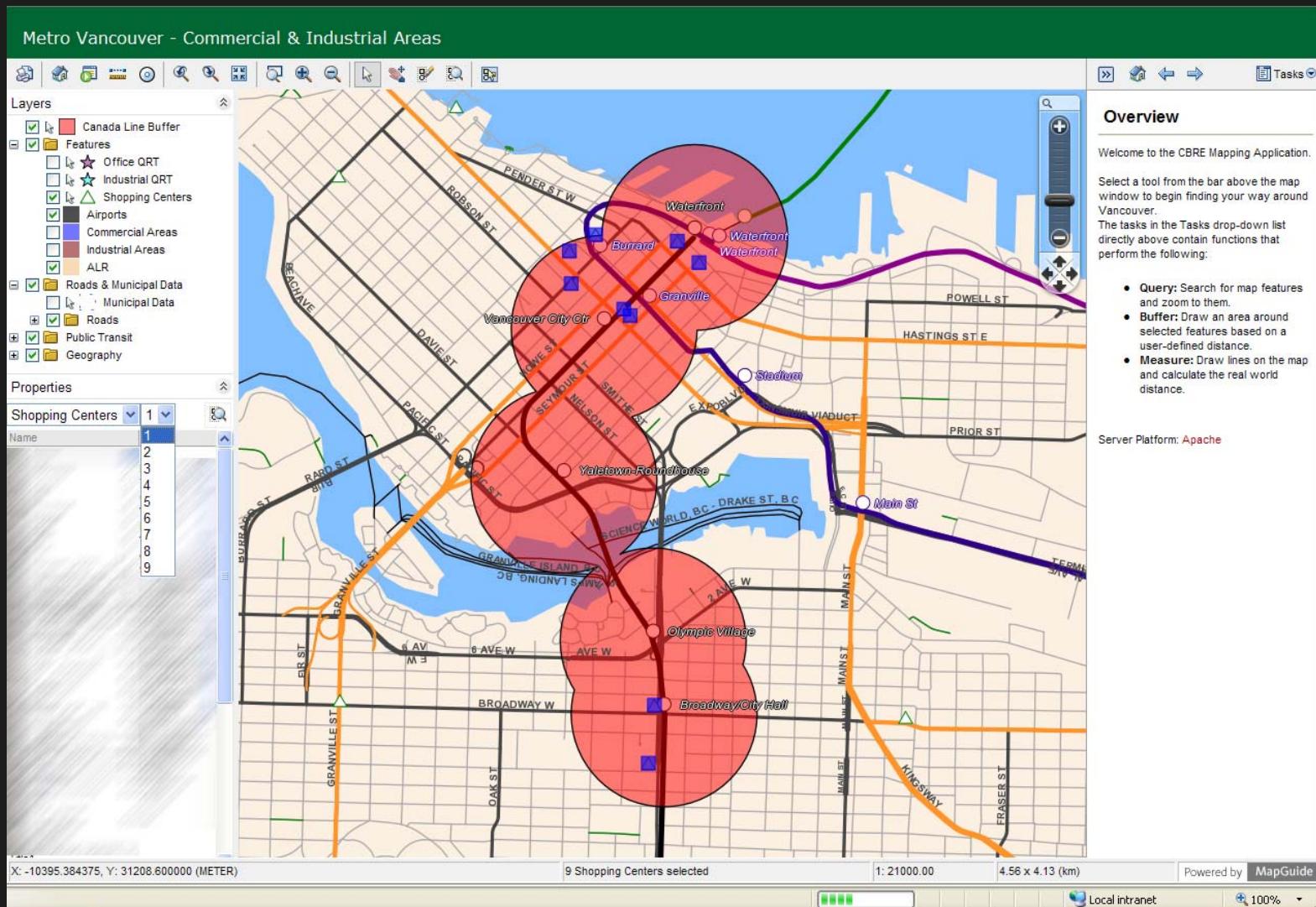
If you continue to select areas on the image, click "Refresh" to update the layer list.
To finish and select all features within the highlighted areas, click "Done".
To start over, click "Clear".

Done Clear

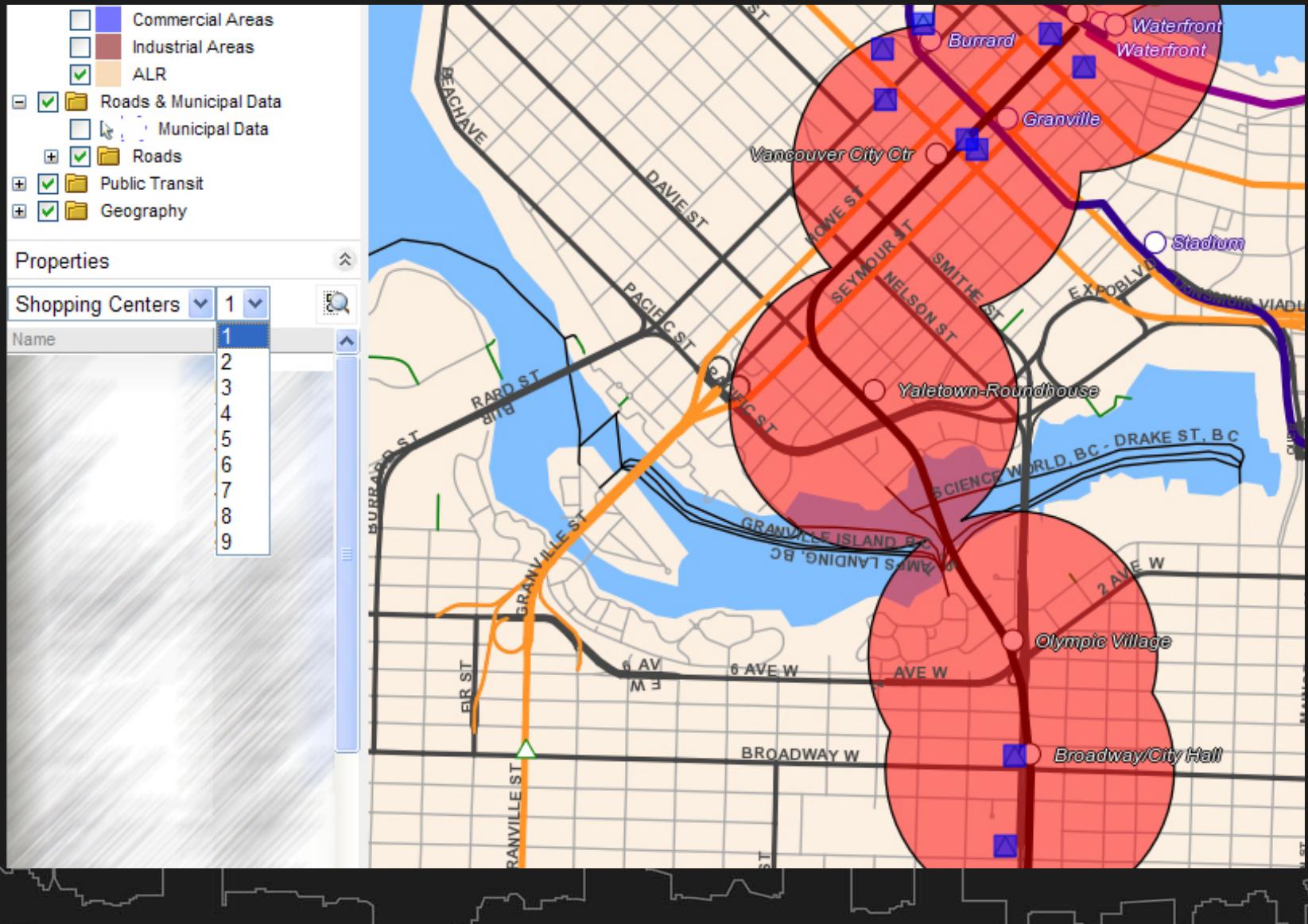
X: -6194.859375, Y: 32569.881250 (METER) 1 Canada Line Buffer selected 1: 21000.00 4.56 x 4.13 (km) Powered by MapGuide

Local intranet 100%

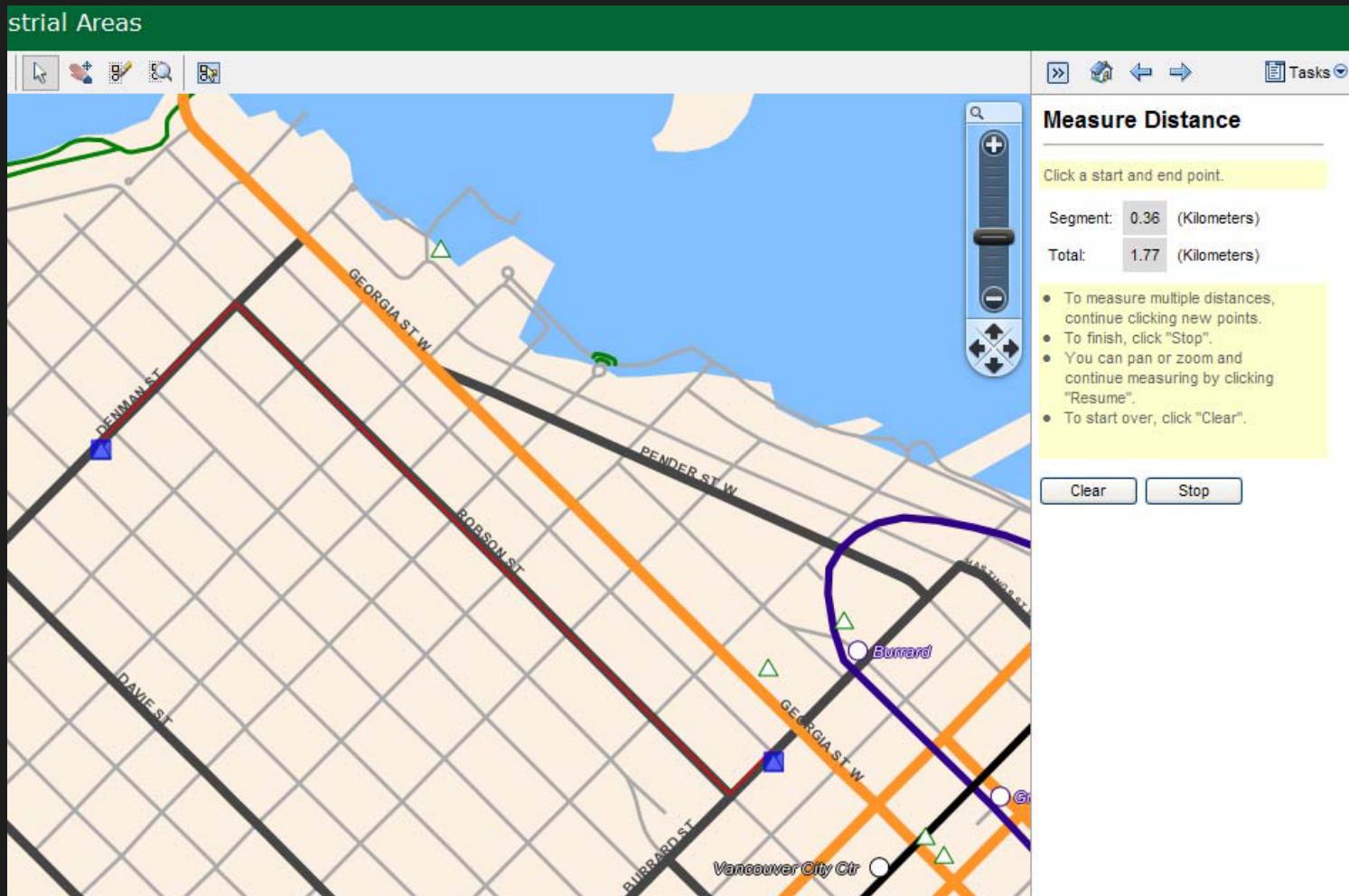
MapGuide – Select Within



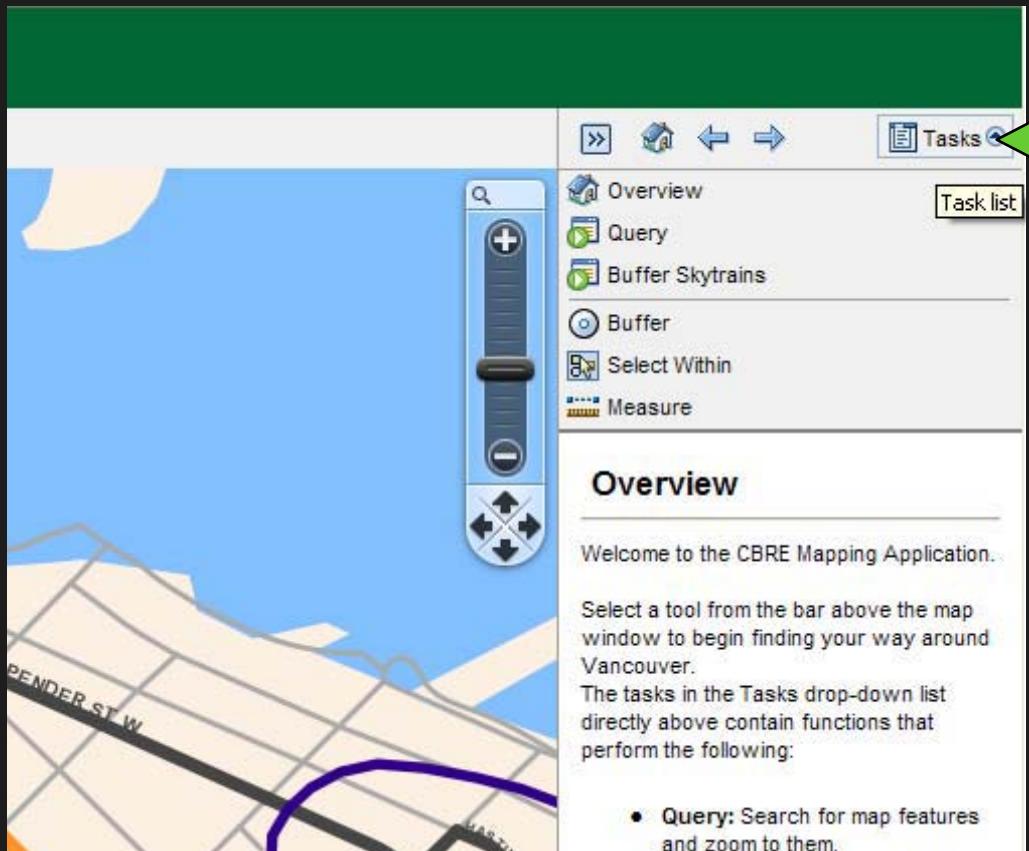
MapGuide – Select Within



MapGuide – Measure



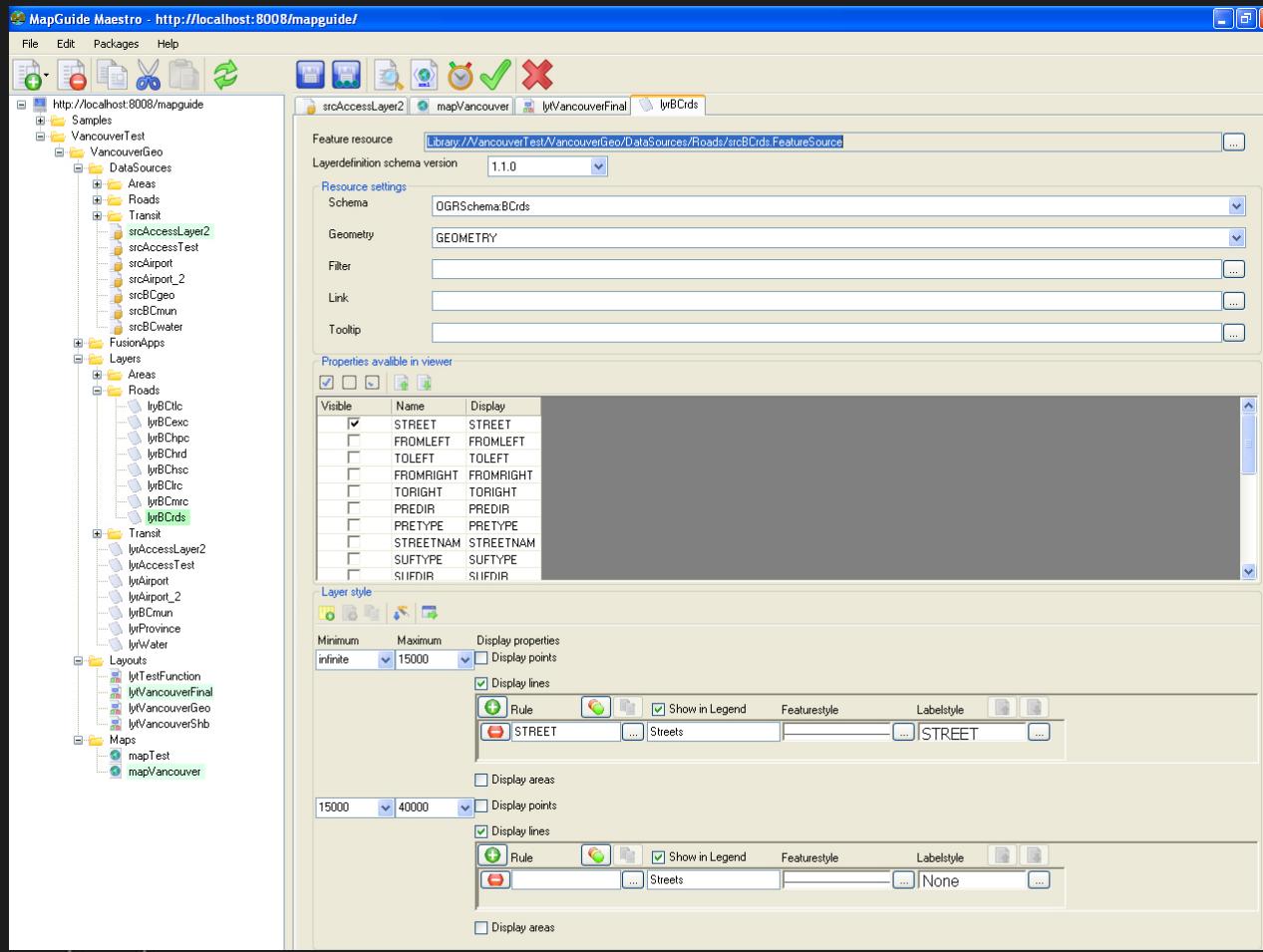
MapGuide – Task Menu



Click here to access these functions in MapGuide.

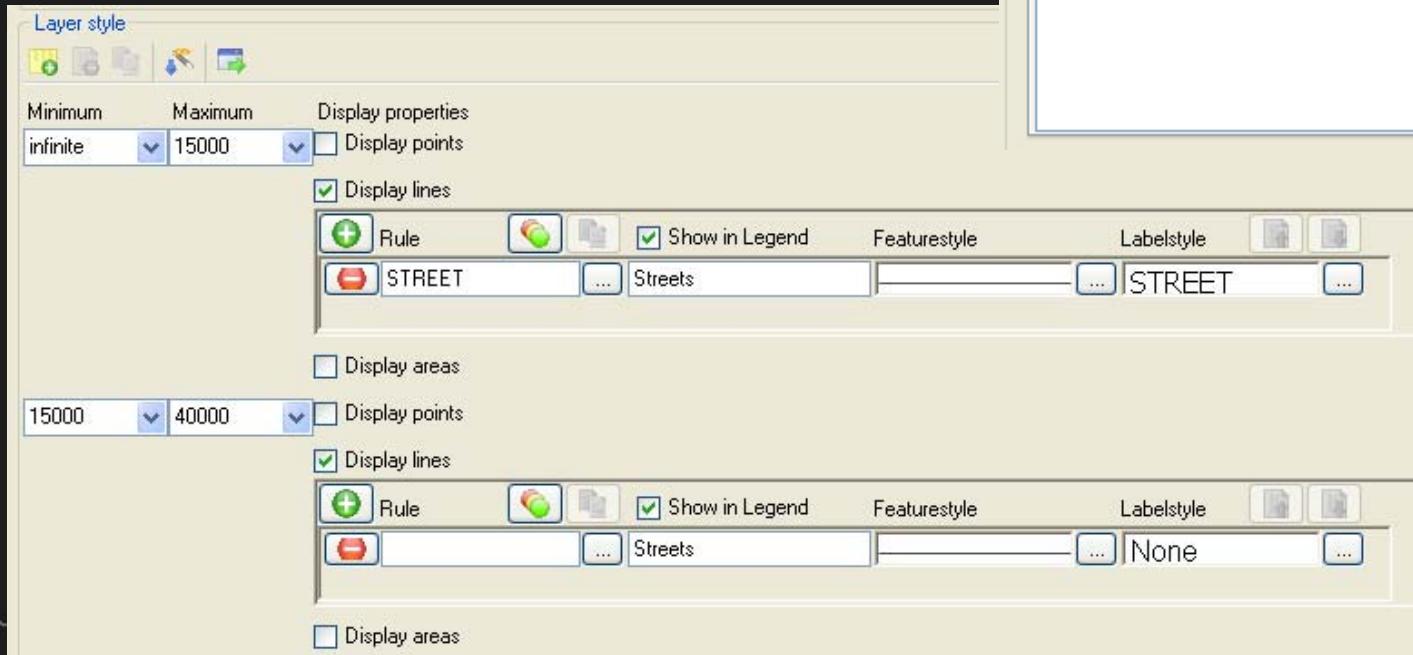
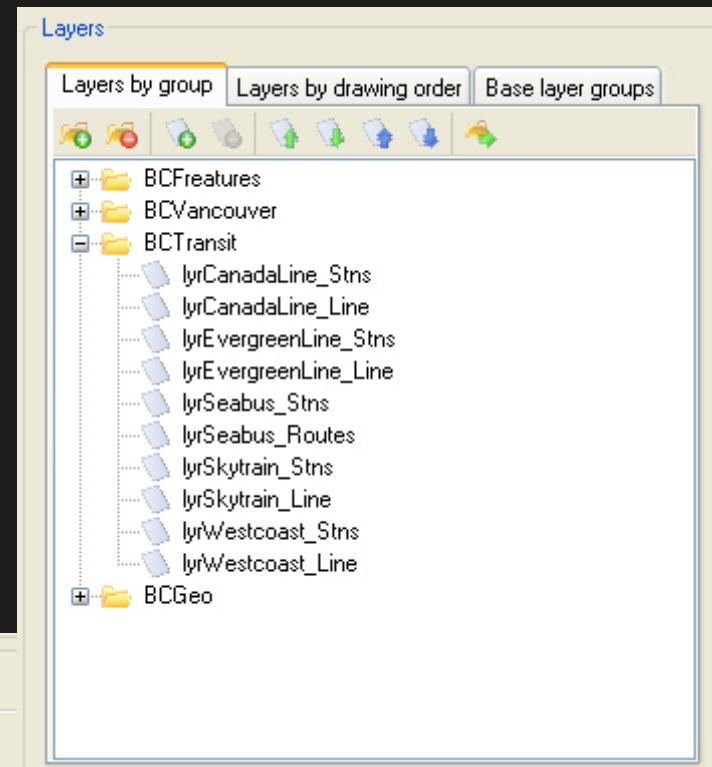
Maestro

- Open source map authoring tool for MapGuide



Maestro

- Used to manage map resources
 - Data Sources
 - Map Layers
 - Maps
 - Basic and Flexible Web Layouts



Thank you.

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