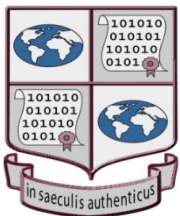


Concept of Record in the Electronic Environment: VanMap GIS

Evelyn Peters McLellan
InterPARES 2 Co-Investigator
Archivist, City of Vancouver Archives

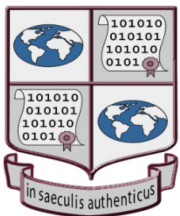


InterPARES Project

Evelyn Peters McLellan, Co-Investigator

What is GIS?

- Database systems containing data linked to geospatial coordinates
- Typically presented to the viewer in the form of interactive maps
- May incorporate files such as CAD drawings, satellite imagery and photographs that are not geospatially referenced

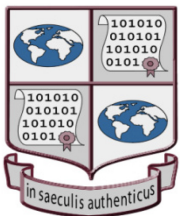


InterPARES Project

Evelyn Peters McLellan, Co-investigator

What is VanMap?

- The cross-corporate GIS created by the City of Vancouver and used by staff in
 - Engineering
 - Planning
 - Permits and Licenses
 - By-law Enforcement
 - Social Planning
 - Police
 - Fire and Rescue
 - Parks and Recreation



InterPARES Project

Evelyn Peters McLellan, Co-Investigator



Address Search

Number Street
or select E 1st Av Go

Toolbox



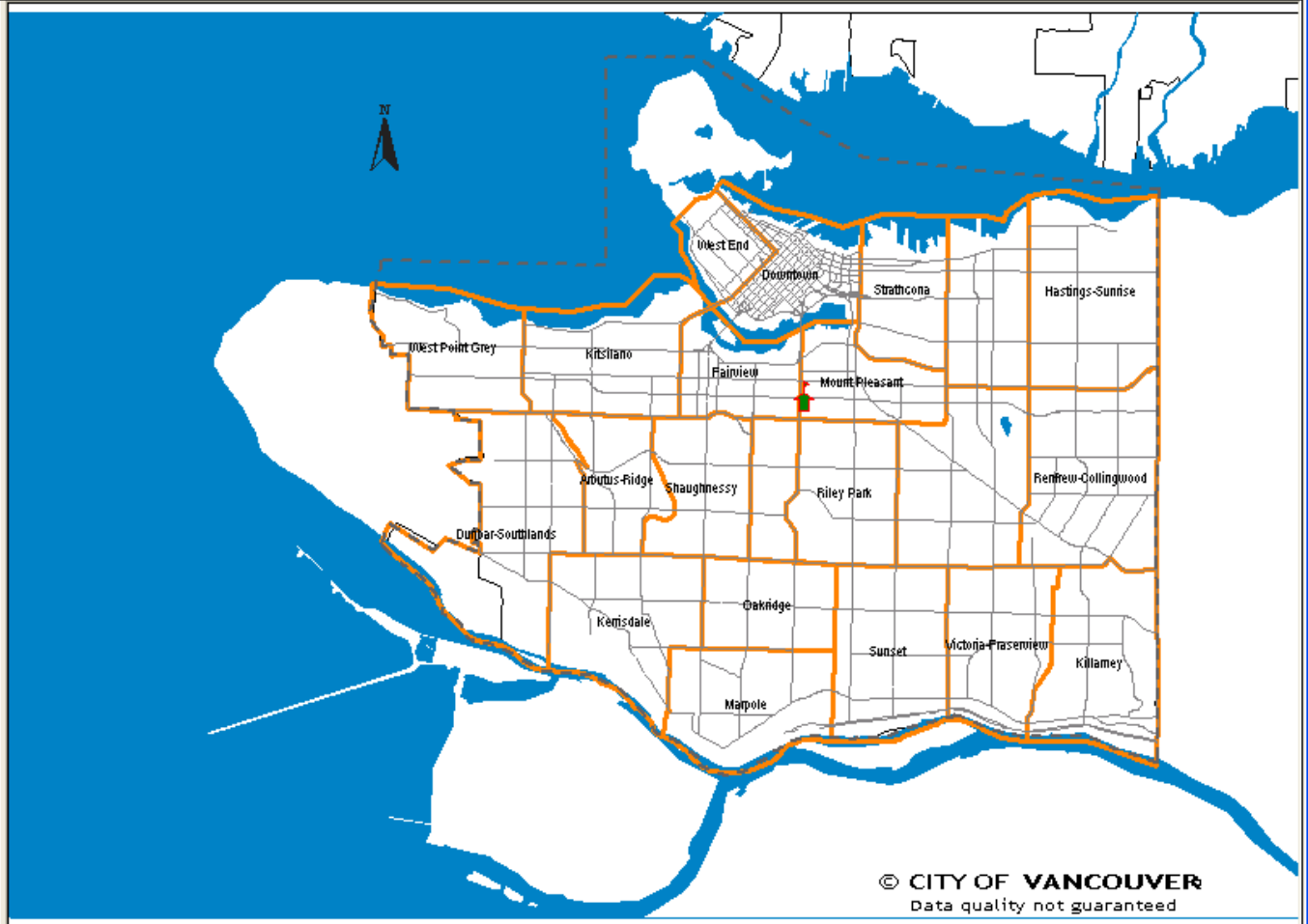
Help

About the Data

Applications

Select Application

- City Boundary
- Public Art
- Public Places
- The Road Ahead
- City Projects
- Non-Market Housing
- Property Information
- Traffic Related
- Sewer
- Water
- City Streets Network
- View Cones
- Subdivision Categories
- DCL Areas
- Zoning Districts Types
- Zoning Districts
- Business Improvement Areas
- False Creek Navigable Channel
- Youth
- Facet Grids
- Administrative & Service Areas
- Shore Lines (2002)
- Water Bodies
- Satellite Imagery
- Orthophotos 2004
- Orthophotos 2002
- Orthophotos 1999



© CITY OF VANCOUVER
Data quality not guaranteed

Water Bodies : Strait of Georgia

0 Feature(s) selected

1 : 113,812

14.9 x 10.5 (mi)

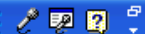


Inbox - Microsoft...

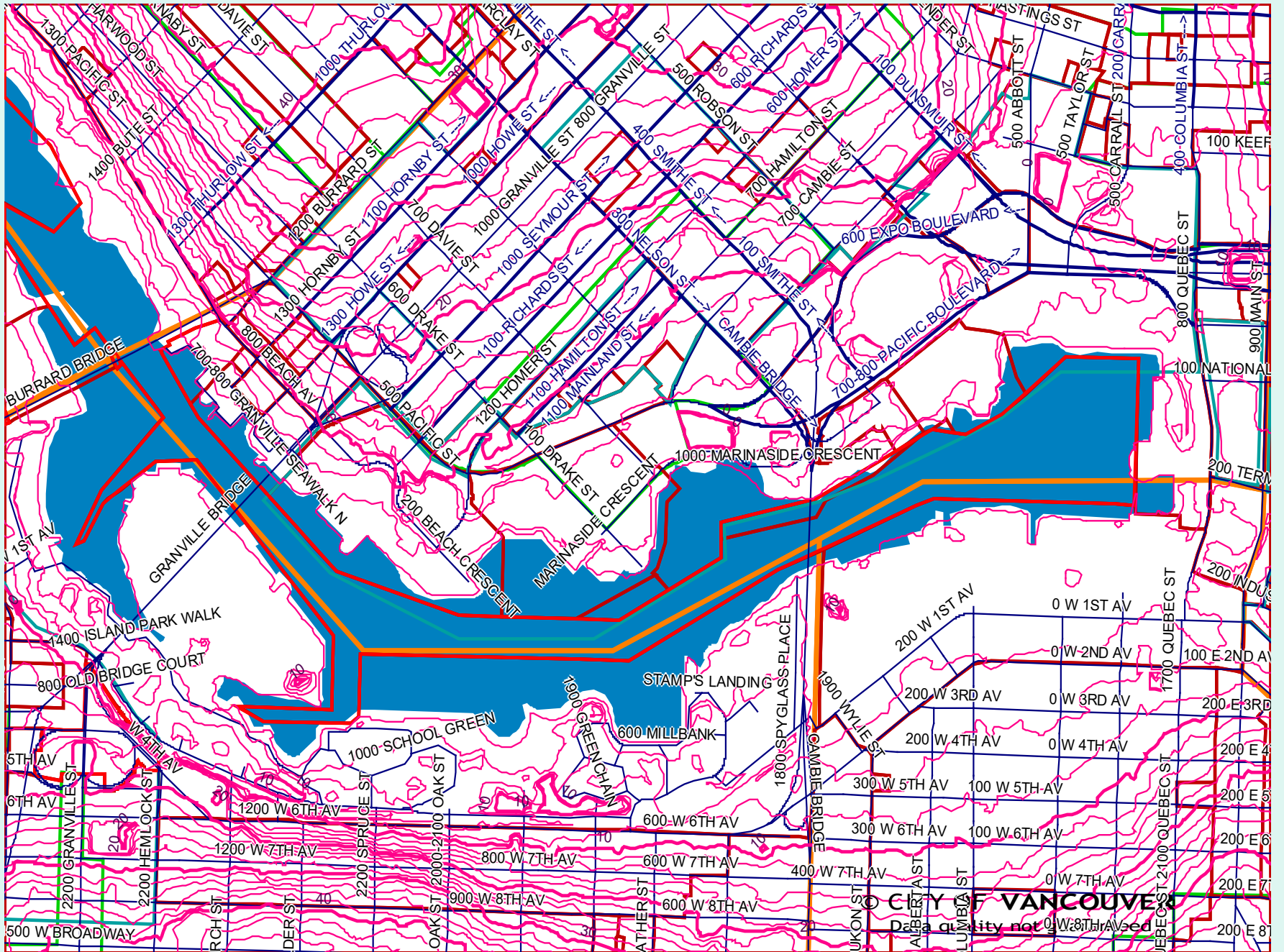
ACA presentatio...

VanMap - City of ...

VanMap Public Ac...



2:35 PM





West End

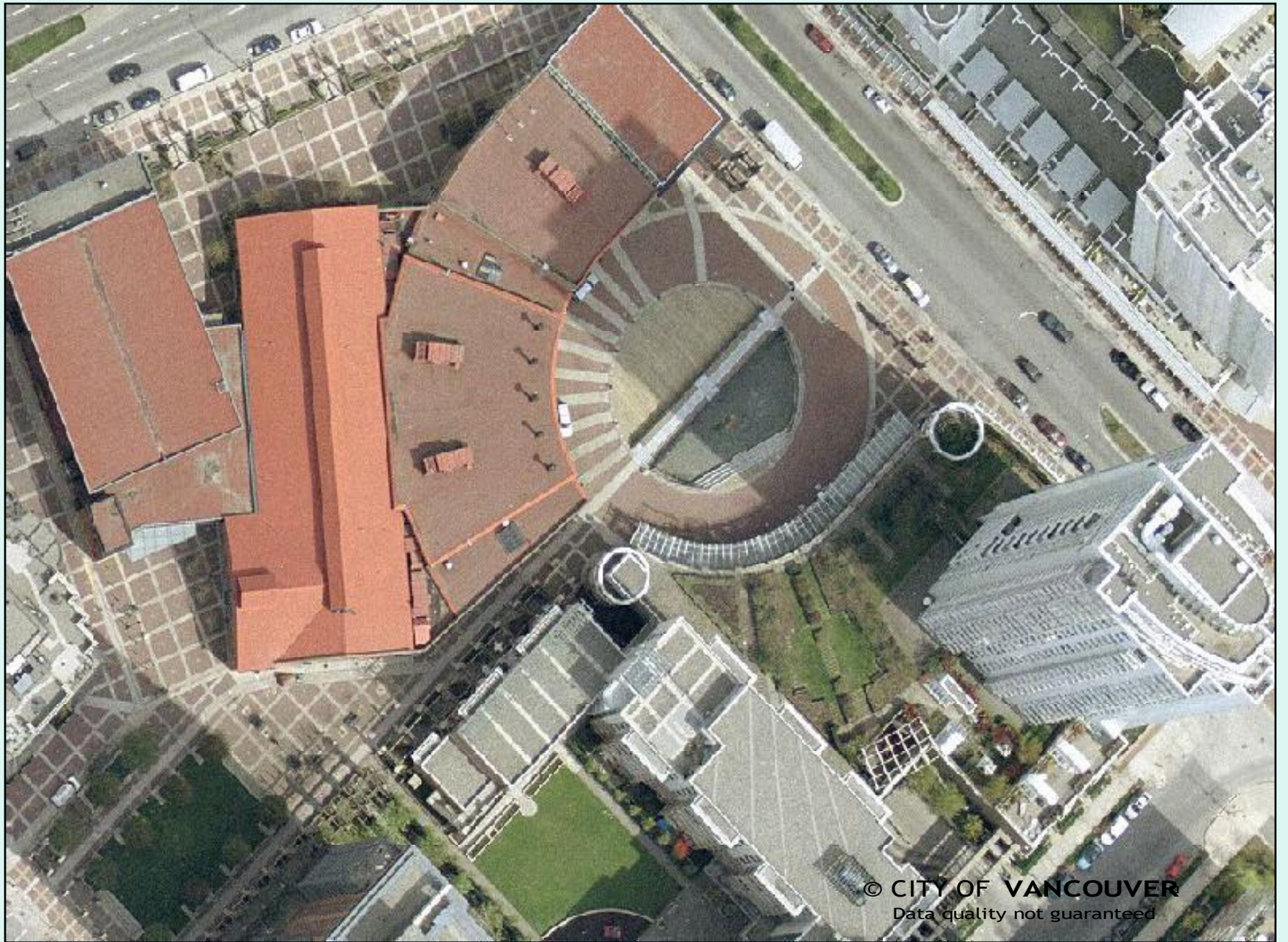
Silano

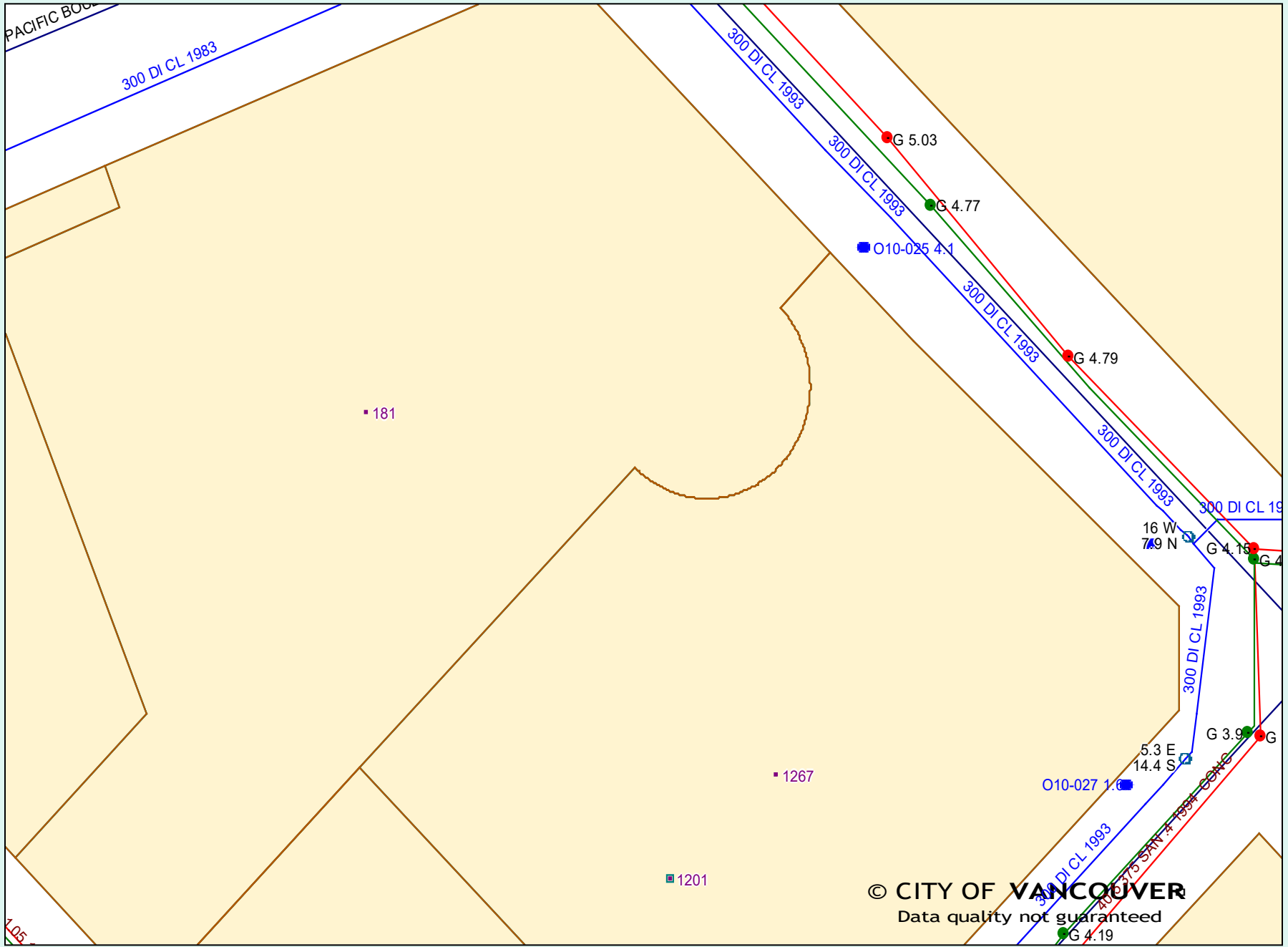
Downtown

Strath

Fairview

Mount Pleasant





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Data quality not guaranteed



Print date: 03-Feb-05, 11:36 AM

Tax Attributes Report

For internal staff use only

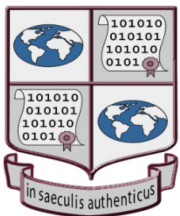
Source: Weekly extract from Tax System. (see [About Data](#) for the latest update.)

Record	Tax Coord	Civic Number	Street	Owner 1	Owner 2	Mail Address 1	Mail Address 2	Owner Postcode	Property Postcode	Year Built As of 1996	Big Improvement Year As of 1996	Tax Status	Lot	Block	District Lot	Plan	Legal Description	Previous Assess Land Value
1	22269106	1100	E 17TH AV	VANCOUVER CITY OF		453 12TH AVE W	VANCOUVER BC	V5Y 1V4				A	82	301	18443			45000

City of Vancouver

VanMap technical components

- Oracle Spatial database
- Other databases
- CAD drawings, satellite imagery, photographs, html pages
- Autodesk MapGuide
- Autodesk ActiveX Viewer
- Application servers
- Web server

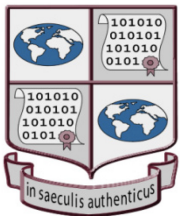


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A fluid, dynamic system

- Some data are overwritten without being saved

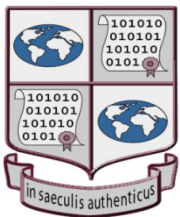


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A fluid, dynamic system

- Some data are overwritten without being saved
- The data are viewed as maps but these views are not saved (set aside)

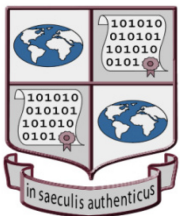


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A fluid, dynamic system

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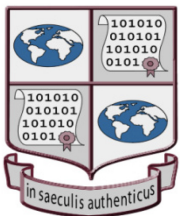


InterPARES Project

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A fluid, dynamic system

- Some data are overwritten without being saved
- The data are viewed as maps but these views are not saved (set aside)
- Since the maps are not set aside, there is no clearly definable archival bond
- The procedural contexts for using VanMap in carrying out operational activities is largely unknown

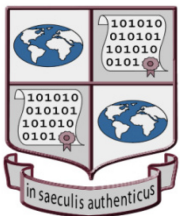


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What is the record?

- Can a body of information compiled as a reference tool be considered a record?
- Can a body of information that is never saved or set aside be considered a record?

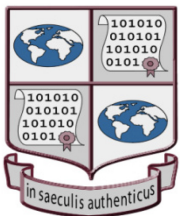


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From a potential record to a record

- Configure the system in such a way that every day, at the closing of business, a complete image (snapshot) of VanMap is preserved live and fully functional within it
- Remove the snapshots from the system at set intervals and keep them as the finished, stable, fixed record of that period of time
- Develop a detailed description of the business processes in which VanMap is involved and the way in which VanMap is used in each of them, in order to understand the relationship between the records of each business process and VanMap

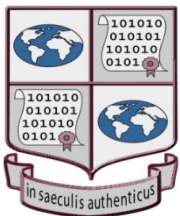


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Preserving VanMap

- Knowing what the record is tells us what to preserve
- The ability to render the data as interactive maps must be preserved
- Presentation elements such as colours and fonts do not necessarily need to be preserved



InterPARES Project

Evelyn Peters McLellan, Co-investigator

www.vancouver.ca/vanmap

The screenshot displays the VanMap Public ActiveX Viewer interface within a Microsoft Internet Explorer browser window. The title bar reads "VanMap Public ActiveX Viewer version for Windows - Microsoft Internet Explorer provided by the City of Vancouver".

Address Search: Includes fields for "Number" and "Street", with a dropdown menu currently showing "E 1st Av" and a "Go" button. Links for "Options", "Reset", and "Help" are also present.

Toolbox: Contains various navigation and interaction icons such as pan, zoom, and print.

Legend: A list of map layers with checkboxes. The "City Boundary" layer is checked. Other layers include Public Art, Public Places, The Road Ahead, City Projects, Non-Market Housing, Property Information, Traffic Related, Sewer, Water, City Streets Network, View Cones, Subdivision Categories, DCL Areas, Zoning Districts Types, Zoning Districts, Business Improvement Areas, False Creek Navigable Channel, Youth, Facet Grids, Administrative & Service Areas, Shore Lines (2002), Water Bodies, Satellite Imagery, Orthophotos 2004, Orthophotos 2002, and Orthophotos 1999.

Map: Shows a map of Vancouver with various districts labeled, including West End, Downtown, Strathcona, Hastings-Sunrise, West Point Grey, Kitsilano, Fairview, Mount Pleasant, Arbutus-Ridge, Shaughnessy, Riley Park, Penrose-Collingwood, Dunbar-Southlands, Kitsilano, Oakridge, Sunset, Victoria-Falseview, Killarney, and Marpole. A red location pin is placed in the Fairview district.

Status Bar: Displays "Water Bodies : Strait of Georgia", "0 feature(s) selected", "1 : 113,812", and "14.9 x 10.5 (mi)".

Taskbar: Shows the Windows taskbar with the Start button and several open applications: "Inbox - Microsoft...", "ACA presentatio...", "VanMap - City of ...", and "VanMap Public Ac...". The system clock shows "2:35 PM".