

VanMap Integration at the City of Vancouver

A thick, horizontal yellow brushstroke with a textured, painterly appearance, spanning across the width of the slide below the title.

**Zsigmond Balogh
Meng Li
Jonathan Mark**

**City of Vancouver
December 13, 2007**

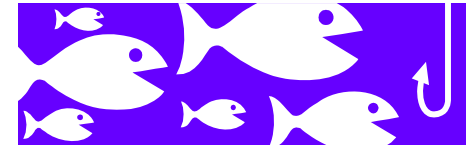
Presentation Objectives



- ▶ Describe GIS approach at Vancouver
- ▶ Describe VanMap integration approaches
- ▶ Describe existing specific integration examples
- ▶ Describe future integration plans

Vancouver has an Enterprise Implementation

- ▶ Organizations acting as a whole, moving with common purpose in a defined direction to implement an application



- ▶ Implies sharing of core set of data across an organization
- ▶ More common in context of umbrella organization (local government or large utility)

The City's Objectives



More and **Better** information

More people

More easily

The City's Objectives



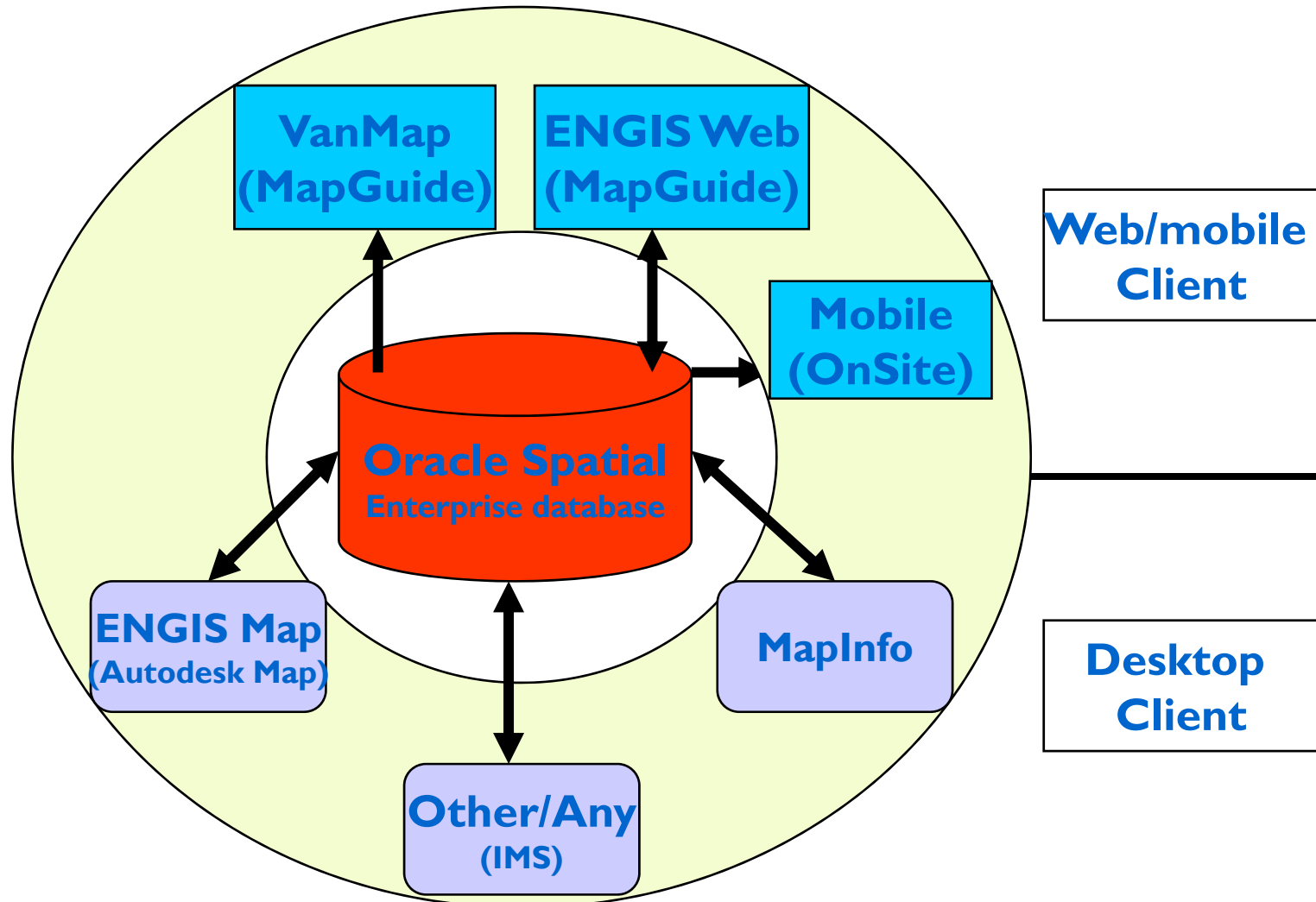
integrate **data**

with the **business** process

and **GIS** with

the **design** process

GIS Environment: open, interoperable and data-centric



Integration Business Drivers



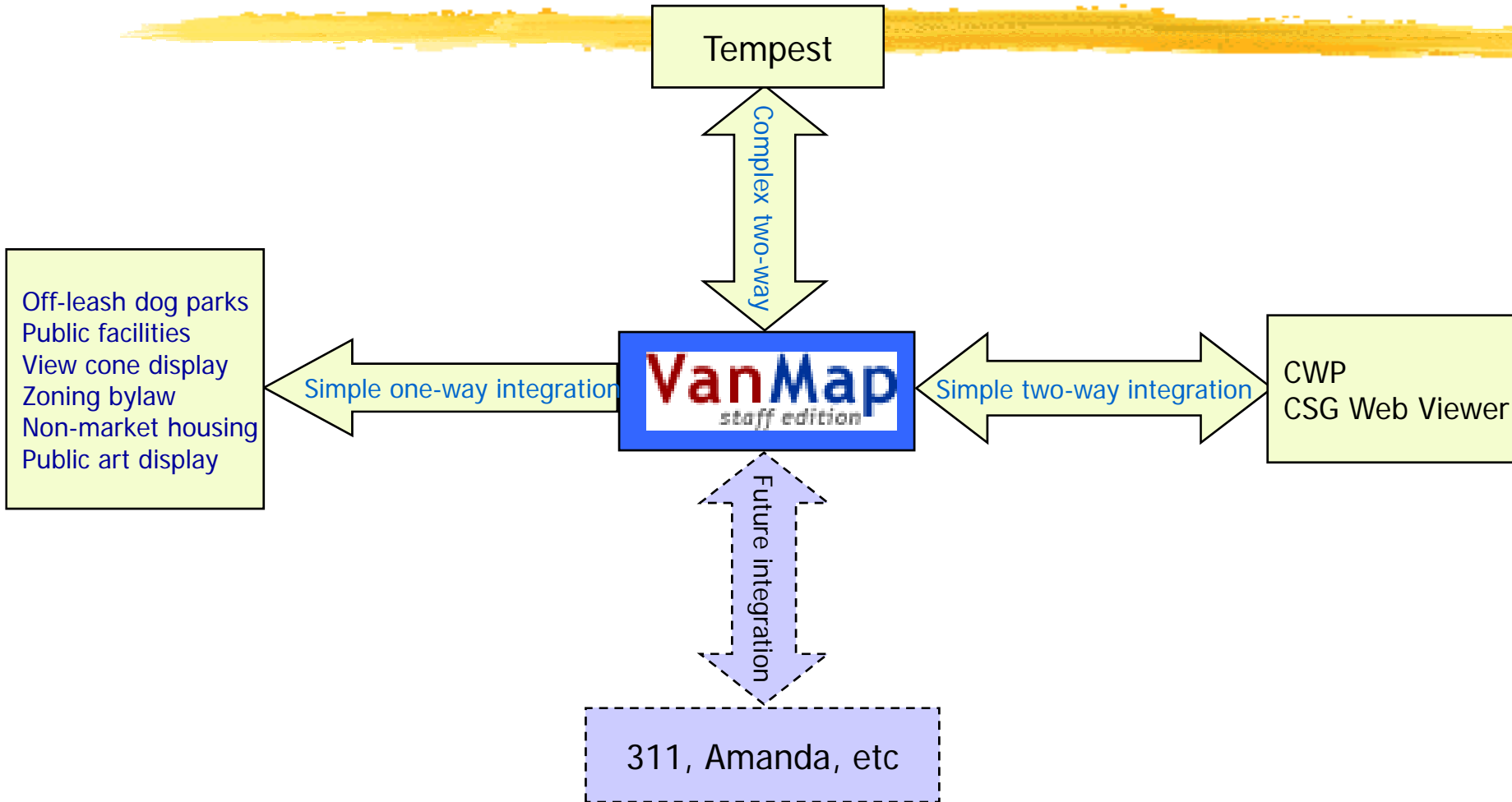
- ▶ Business processes cross business unit boundaries
- ▶ People often take a broad view where map and tabular views are complementary and even more powerful when integrated
 - People need to be able to visualize tabular information
 - Graphics users need to access more attributes and information from tabular systems
- ▶ Data verification and reconciliation
- ▶ Planning and analysis
- ▶ Do more with less by reducing duplication

Integration Approaches



- ▶ Simple one-way integration
- ▶ Simple two-way integration
- ▶ Complex two-way integration
- ▶ VanMap is an integrating tool

Integration Approaches



Simple One-Way Integration



- ▶ Click on a feature in VanMap and something happens
 - Single parameter is passed
 - Result could be a display or an application

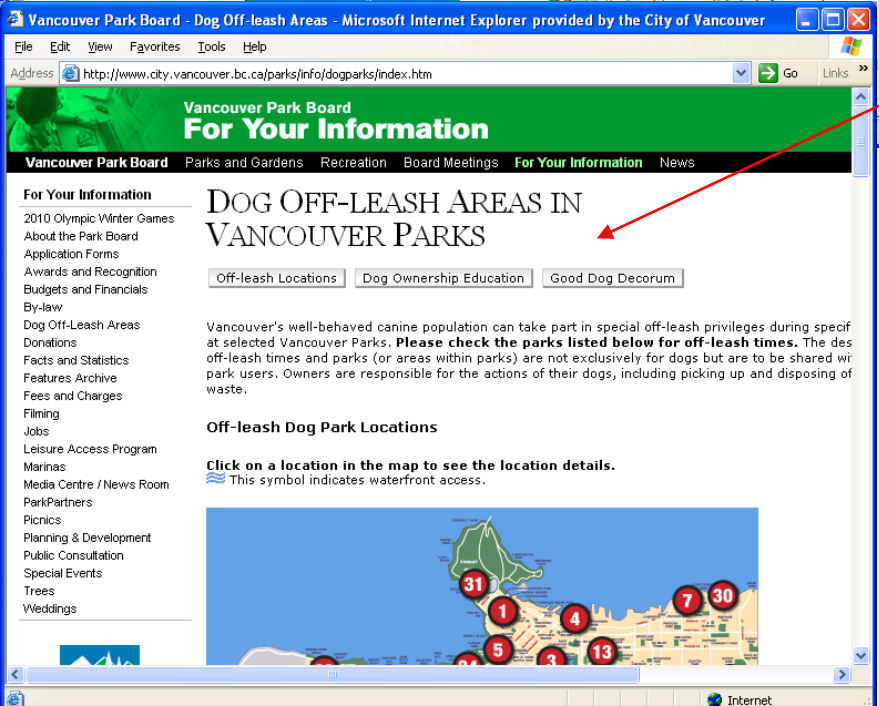
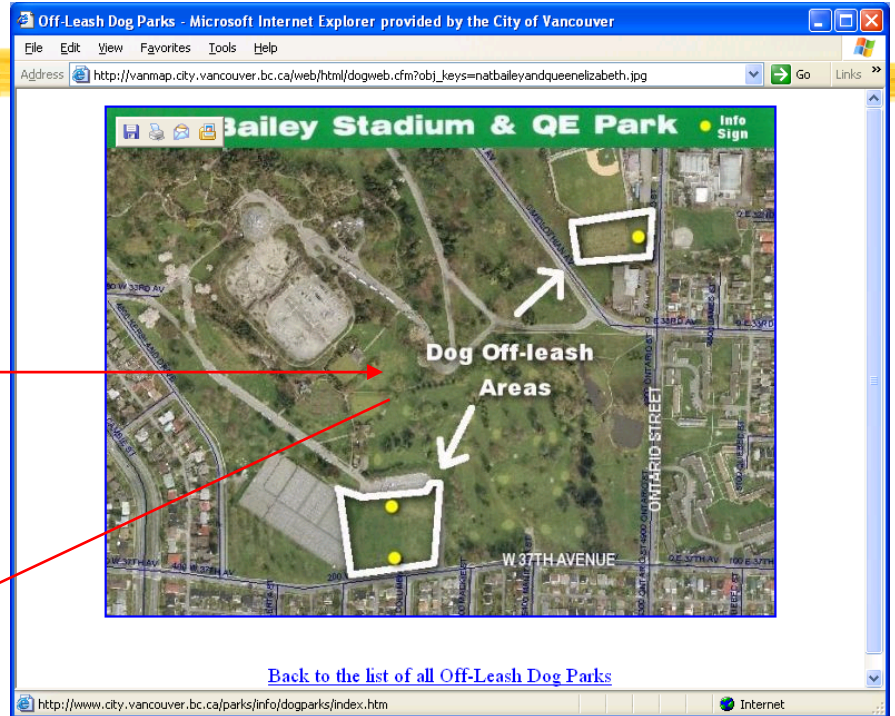
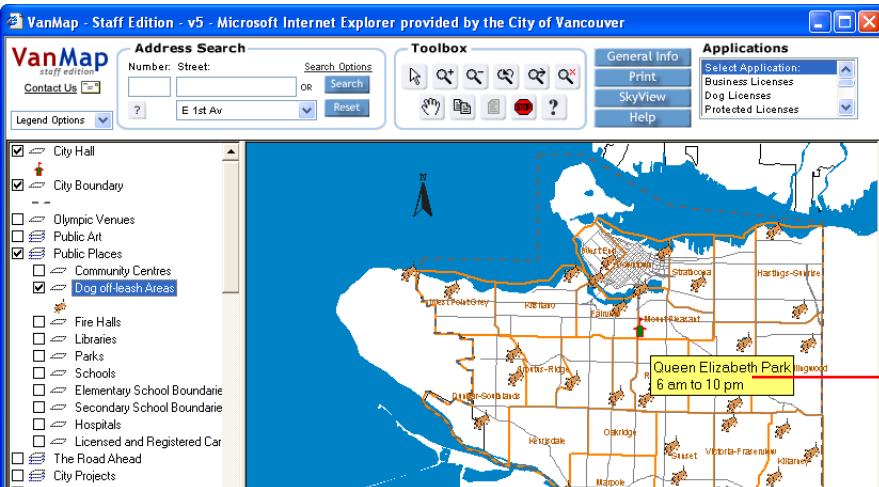
- ▶ Examples include
 - Off-leash dog parks
 - Public facilities
 - View cone display
 - Zoning bylaw
 - Non-market housing
 - Public art display

Simple One-Way Integration: Methods



- ▶ From a VanMap feature to bring up a static or dynamic Web page of another system
- ▶ A business object from a VanMap layer is referenced to an existing Web page or application

Off-Leash Dog Parks



Public Facilities

VanMap - Staff Edition - v5 - Microsoft Internet Explorer provided by the City of Vancouver

VanMap staff edition

Address Search: Number: Street: Search Options Search OR Search Reset E 1st Av

Toolbox: Print SkyView Help

General Info: Applications: Business Licenses Dog Licenses Protected Licenses

Legend Options: City Hall City Boundary Olympic Venues Public Art Public Places Community Centres Dog off-leash Areas Fire Halls Libraries Parks Schools Elementary School Boundarie Secondary School Boundarie Hospitals Licensed and Registered Car The Road Ahead City Projects Web Cameras Non-Market Housing Grow Operation Sites Cemetery City-owned Properties Urban Agriculture

Community Centres : Community Centre:Mount Pleasant-3161 Ontario St 1 'Community Centres' selected 1 : 132,987 14.1 x 9.36 (mi)

http://vanmap.vancouver.ca/reportal/vmse_parcelindex2_cas.cfm?parcelId=4567&address=3161 Ontario St&c=3161 &

- Public Places
- Community Centres
- Dog off-leash Areas
- Fire Halls
- Libraries
- Parks
- Schools
- Elementary School Boundarie
- Secondary School Boundarie
- Hospitals
- Licensed and Registered Car

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=4567&address=3161%20Ontario%20St&c=

Available Information: 3161 Ontario St

Report Name: Public Places Report

City-Owned Properties: For internal staff use only

Address Relationships and CSO Information: Source: See [VanMap Home](#) for latest update.

Owner Notification

Record	Name	Address	Type	Web Site
1	Mount Pleasant	3161 Ontario St	Community Centre	http://www.city.vancouver.bc.ca/parks/cc/mtpleasant/index...

City of Vancouver

Vancouver Park Board - Mount Pleasant Community Centre - Microsoft Internet Explorer provided by t...

Address: http://www.city.vancouver.bc.ca/parks/cc/mtpleasant/index.htm

Vancouver Park Board Recreation

Vancouver Park Board Parks and Gardens Recreation Board Meetings For Your Information News

Recreation Community Centres

3161 Ontario Street Vancouver, BC V5T 2Z1 Tel: 604-713-1888 Fax: 604-713-1899 Email: mtpleasantcc@vancouver.ca

Facilities Memberships Hours of Operation Contacts

Situated at West 16th Avenue and Ontario Street, **Mount Pleasant Community Centre** is in one of Vancouver's oldest neig located at the heart of the city. Its ethnically and econom residents live in a mix of single dwelling and high density

The recreation facility has a fitness centre, gymnasium, courts, several multi-purpose rooms and an outdoor swim The centre is a hub of neighbourhood recreation with ext programs in preschool, out of school care, fitness, art, y programs. Several outreach programs are also focused I services to neighbouring schools.

View Cone Display

VanMap - Staff Edition - v5 - Microsoft Internet Explorer provided by the City of Vancouver

VanMap staff edition

Contact Us

Address Search: Number: Street: Search Options Search

Legend Options

City Streets Network
Bridges and Related Struct.
View Cones
A

Toolbox

General Info
Print
SkyView
Help

Applications
Select Application:
Business Licenses
Dog Licenses
Protected Licenses

Map Labels: West End, Downtown, Strathcona, Hastings-Sunni, West Point Grey, Kitsilano, Fairview, Mount Pleasant, Dunbar-Southlands, Shaughnessy, Riley Park, Renfrew-Collingwo

Map Coordinates: x: 493,565.166483, y: 5,460,283.155844 (METER) A : Alder Terr 1 'A' selected 1 : 84,925 13.5 x 8.70 (Km)

http://www.vancouver.ca/commsvcs/views/viewcones/A.htm

View Cone A: Alder Terrace to Mount Seymour - Microsoft Internet Explorer provided by the City of Van...

http://www.vancouver.ca/commsvcs/views/viewcones/A.htm

Community Services
Views
City of Vancouver Search Help

CITY OF VANCOUVER

Views Home Vancouver Views: Council Approved View Cones

View Cone A: Alder Terrace to Mount Seymour - Find it in VanMap

View Cone List
View Cone Composition
View Profile
Calculation Formula
Site Constraint without a view cone
Massing Implications due to view cones
How to calculate maximum building height
Views Guideline: Download the PDF (368KB)
Height Calculator
Go to Public VanMap

PROTECTED VIEW AREA

http://www.vancouver.ca/commsvcs/views/viewcones/A.htm#

Zoning Bylaw

VanMap - Staff Edition - v5 - Microsoft Internet Explorer provided by the City of Vancouver

VanMap
staff edition

Contact Us

Address Search

Number: Street: Search Options

OR Search

? E 1st Av Reset

Legend Options

City Streets Network
Bridges and Related Structures
View Cones
Subdivision Categories
DCL Areas
Zoning Districts Types
Zoning Districts
Comprehensive Development
Historic Area
Commerical
Multiple Family Dwelling
Two Family Dwelling
One Family Dwelling
Limited Agricultural
Industrial
Light Industrial

Business Improvement Areas
Peat Areas
Old Streams
False Creek Navigable Channel
Youth
Property Information
Facet Grids
Old Sectional Grid
Administrative & Service Areas

Zoning Districts : RS-5

1 'Zoning Districts' selected

1 : 132,987

14.1 x 9.3

<http://www.city.vancouver.bc.ca/commsvcs/bylaws/zoning/zon&dev.htm>

http://www.city.vancouver.bc.ca/commsvcs/bylaws/zoning/RS-5.PDF - Microsoft Internet Explorer provided by the City of Va...

File Edit Go To Favorites Help

Address <http://www.city.vancouver.bc.ca/commsvcs/bylaws/zoning/RS-5.PDF>

1 / 10 87.3%

Find

RS-5

RS-5 District Schedule

1 Intent

The intent of this Schedule is generally to maintain the existing single-family residential character of the RS-5 District by encouraging new development that is compatible with the form and design of existing development, and by encouraging the retention and renovation of existing development but also to permit conditionally one-family dwellings with secondary suites. Emphasis is placed on design compatibility with the established streetscape. Neighbourhood amenity is intended to be enhanced through the maintenance and addition of healthy trees and plants.

2 Outright Approval Uses

2.1 Subject to all other provisions of this By-law and to compliance with the regulations of this Schedule, the uses listed in Section 2.2 shall be permitted in this District and shall be issued a permit.

2.2 Uses

2.2.A

- Accessory Buildings customarily ancillary to any of the uses listed in this Schedule, provided that:
 - (a) no accessory building exceeds 3.7 m in height measured to the highest point of the roof if a flat roof, to the deck line of a mansard roof, or to the mean height level between the eaves and the ridge of a gable, hip or gambrel roof, provided that no portion of an accessory building may exceed 4.6 m in height;
 - (b) all accessory buildings are:
 - (i) located within 7.9 m of the ultimate rear property line or located within the permitted building depth as regulated by Section 4.16 of this Schedule; and
 - (ii) in no case less than 3.1 m from the ultimate centre line of any rear or flanking lane and less than 1.5 m from a flanking street, subject also to the provisions of

Done

Unknown Zone

Non-Market Housing

VanMap - Staff Edition - v5 - Microsoft Internet Explorer provided by the City of Vancouver

VanMap staff edition
[Contact Us](#)

Address Search
 Number: Street: Search Options
 OR Search
 E 1st Av

Toolbox

General Info

Applications
 Select Application:
 Business Licenses
 Dog Licenses
 Protected Licenses

Legend Options

- City Hall
- City Boundary
- Olympic Venues
- Public Art
- Public Places
- The Road Ahead
- City Projects
- Web Cameras
- Licenses
 - Business License Sites
 - Protected License Sites
 - Non-Market Housing
- Grow Operation Sites
- Cemetery
- City-owned Properties
- Urban Agriculture
- Community Food Resources
- Grocery Retail
- Child Care Facilities
- Asbestos Potential
- Reserved Corridors
- Contour Lines
- FloodInflow

Non-Market Housing : False Creek Co-op 1 'Non-Market Housing' selected 1 : 52,701

http://www.city.vancouver.bc.ca/nmi_wac/nmi.exe/Detail?ID=240

http://www.city.vancouver.bc.ca/nmi_wac/nmi.exe/Detail?ID=240 - Microsoft Internet Explorer pr...

File Edit View Favorites Tools Help

Address http://www.city.vancouver.bc.ca/nmi_wac/nmi.exe/Detail?ID=240

Community Services
Housing Centre

CITY OF VANCOUVER

[Housing Centre Home](#) **Inventory - Fairview**

240 False Creek Co-op


Non-Market Housing in Fairview Address: **711 Millyard**
 Fairview Map Occupancy Date: **September 1, 1977**
 Sponsor: **False Creek Co-op Housing Association**

See a full listing and map of all non-market housing areas

UNIT	Room	Studio	1-Bed	2-Bed	3-Bed	4-Bed	CLIENTELE	
Standard	-	4	12	29	15	22	Families	66
Accessible	-	-	-	-	-	-	Seniors	-
Adaptable	-	-	-	-	-	-	Other	16
Total	-	4	12	29	15	22	Total	82

Helpful links about co-op living

[Community Services Home](#)

 How to apply to live here:
 Membership Committee
 711 Millyard
 Vancouver, BC

Done Internet

Public Art Display

VanMap - Staff Edition - v5 - Microsoft Internet Explorer provided by the City of Vancouver

VanMap staff edition
Contact Us

Address Search
Number: Street: Search Options
? E 1st Av Reset

Toolbox
General Info
Print
SkyView
Help

Applications
Select Application:
Business Licenses
Dog Licenses
Protected Licenses

Legend Options

- City Hall
- City Boundary
- Olympic Venues
- Public Art
- Public Art Series/Multiples
- Individual Projects
- Public Places
- The Road Ahead
- City Projects
- Web Cameras
- Licenses
- Business License Sites
- Protected License Sites
- Non-Market Housing
- Grow Operation Sites
- Cemetery
- City-owned Properties
- Urban Agriculture
- Community Food Resources
- Grocery Retail
- Child Care Facilities

West End
Downtown
Strathcona
Hastings
Kitsilano
Fairview
Mount Pleasant
Riley Park
Renfrew-Co
Guthrie-Ridge

Lost Streams

Individual Projects : Lost Streams
1 'Individual Projects' selected
1 : 52,701
5.60 x 3.71 (mi)

http://vancouver.ca/publicart_wac/publicart.exe/indiv_artwork?pnRegistry_No=413

City of Vancouver Public Art Registry - Microsoft Internet Explorer provided by the City of Va...

File Edit View Favorites Tools Help

Address http://vancouver.ca/publicart_wac/publicart.exe/indiv_artwork?pnRegistry_No=413

CITY OF VANCOUVER


Public Art Registry

Lost Streams

NEIGHBOURHOOD: Kitsilano
OWNERSHIP: Park Board
SOURCE/PROGRAM: Park Board
TYPE: Site Work
STATUS: Existing

Description of Work:
The artist mapped the streams the used to flow through the neighbourhood and created markers in the ground along the routes of these lost streams. The Kitsilano Community Centre has the information on the project. Copper map installations can be seen at Kitsilano Beach just south of the playground; Volunteer Park at Point Grey Road; at the foot of Bayswater, and at Jericho Beach approx. 100 m. west of the concession.

Artist Statement:
This project was the result of a long process of researching and photographing the local landscape and consultation with members of the community, Park Board and the School Board. The work consists of 16 in-ground and 4 above ground markers installed along the routes of four historical streams that once existed in Kitsilano. Each of the in-ground markers has the words LOST STREAM engraved around the outer edge. Each marker also contains engraved words on



Site: Kitsilano
Name:
Address: various
Location on Site of Work:

Done Internet

Simple Two-Way Integration



- ▶ Click on a feature in VanMap and something happens
- ▶ Click on a link in another application and VanMap appears
- ▶ Examples include
 - Community Web Pages
 - Community Services Web Viewer

Simple Two-Way Integration: Methods

- ▶ Method for VanMap and CWP integration:
 - The projects and construction in CWP are recorded and geo-referenced with an address, an intersection or a street segment, which are common keys used in our GIS database;
 - The project ID is used as a passing parameter for the two-way integration at the project level, and the query filters from CWP are applied as a tabular result as well as a filtered map layer in VanMap.
- ▶ Method for VanMap and CSG Web Viewer integration:
 - COV standard addresses are used in both systems;
 - The address (civic number and std street) is a common key and a passed parameter in the system URL for the two-way integration.

VanMap to Community Web Pages

VanMap - Staff Edition - v5 - Microsoft Internet Explorer provided by the City of Vancouver

Address Search
Number: Street: OR Search
? E 1st Av Reset

Toolbox
[Navigation icons]

General Info
Print
SkyView
Help

Applications
Select Application:
Business Licenses
Dog Licenses
Protected Licenses

Legend Options
 City Hall
 City Boundary
 Olympic Venues
 Public Art
 Public Places
 The Road Ahead
 City Projects
 City Projects (Sites-based)
 City Projects (Streets-based)
 Web Cameras
 Non-Market Housing
 Grow Operation Sites
 Cemetery
 City-owned Properties
 Urban Agriculture
 Community Food Resources
 Grocery Retail
 Child Care Facilities
 Asbestos Potential
 Reserved Corridors
 Contour Lines

City Projects (Streets-based): CANADA LINE PROJECT-CAMBIE ST, False Creek to 1 'City Projects (Streets-based)' selected | 1 : 117,263

http://vancouver.ca/communitypages_wa/index.cfm?fuseaction=PRJ.projectdetails&selProjectID=1925

CWP - communityWEBpage Home Page - Microsoft Internet Explorer provided by the City of V...

Address: http://vancouver.ca/communitypages_wa/index.cfm?fuseaction=PRJ.projectdetails&selProjectID=1925

@communitywebpages
City of Vancouver
Search
Help

communityWEBpages QuickFind VanMap

Home
Community List & Map
Community Calendar
Projects & Construction
Online Recreation Guide
Services & Resources
Project Information
Planning Branch
Planning Definitions
Planning Updates
Road Ahead
VanMap Information
Feedback Form
Comments/Questions

Project 1925 Overview
Return to Project List

Project: CANADA LINE PROJECT

Community Area: Downtown, Fairview, Marpole, Mount Pleasant, Oakridge, Riley Park
Status: Under construction

Location: CAMBIE ST
False Creek to Fraser River
Zoning:

Project Type: Roadwork-street/water/sewer/ut
Department: Engineering Department

Project Start: 2005/11/01

City Contact: Donny Wong 604 871-6690 donny.wong@vancouver.ca

Applicant Contact: General Project Information Line 604 484-6700 info@canadalineline.ca

Related Info: [Canada Line](#)

Description: OVERVIEW - Tunnel construction from Waterfront Station under ...

Done Internet

Community Web Pages to VanMap

CWP - communityWEBpage Home Page - Microsoft Internet Explorer provided by the City of Vancouver

Address: http://vancouver.ca/communitypages_wa/index.cfm?fuseaction=PRJ.home

@communitywebpages City of Vancouver

Projects & Construction

Home Printable Page

Community List & Map
Community Calendar
Projects & Construction
Online Recreation Guide
Services & Resources

Projects & Construction is intended to share information about major projects and initiatives within the City of Vancouver. Use the details option to obtain more information about a projects, including City contacts. Use 'in process' to select active projects and 'completed' to select projects that have been completed. [More information about Projects & Construction](#)

Refine the search criteria

Project Information: Downtown
Planning Branch: All Projects
Planning Definitions: All Departments

Projects: In Process
Keyword/Street:
Sort Order: Select Sort Field

Search Reset VanMap

First 100 Displayed

LOCATION	TYPE	DESCRIPTION	DATE	DETAILS
CAMBIE ST north of Robson	Roadwork- street/water/sewer/ut	NEW PARTIAL CLOSURE - 700 CAMBIE On Thurs Nov 22nd from 9:00AM to 3:00PM the 700 block of Cambie, just north of Robson, will be reduced to one lane southbound for a crane lift. Northbound traffic will be detoured ... Project: 2505 Road Closure Expected Completion: 11/22/2007	Updated: 11/21/07 Posted: 11/21/07	Details VanMap

VanMap for Projects and Construction - Microsoft Internet Expl...

About Data

- Olympic Ven...
- City Boundary
- Public Art
- Public Places
- The Road At
- City Projects
- Child Care Fa
- Web Camera
- Non-Market h
- City-owned P
- Cemetery
- Urban Agricu

VanMap for Projects and Construction - Microsoft Internet Expl...

About Data

- Olympic Ven...
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- Child Care Fa
- Web Camera
- Non-Market h
- City-owned P
- Cemetery
- Urban Agricu
- Contour Line:
- Street Lightin
- Junction
- Poles

1 'City Projects (Streets-based)' selected 1 : 1,628 554 x 411 (ft)

Done Local intranet

VanMap to Community Services Web Viewer

The image displays three overlapping browser windows illustrating the workflow from VanMap to the CSG Search Results page.

Top Left Window: VanMap - Staff Edition
 This window shows a map interface with a search bar containing "453 W 12th Av". The map displays various city boundaries and property lines. A red arrow points from the map area to the CSG Search Results window.

Top Right Window: Report for VanMap Staff Edition
 This window displays a report titled "Address Relationships and CSG Information Report" for the address "453 W 12TH AV". It includes a table of records:

RECORD	ADDRESS	ADDRESS TYPE	RELATED ADDRESS	ADDRESS STATUS
1	2699 YUKON ST	Project		Active
2	453 W 12TH AV	Main	2699 YUKON ST	Active
3	2675 YUKON ST	Main	2699 YUKON ST	Active

Bottom Window: CSG Search Results
 This window shows the "CSG Web Viewer" search results for "453 W 12TH AV". The results table is as follows:

Street #	Street	PC Building	Permits
453	W 12TH AV	✓	✓

Red arrows indicate the flow of information: from the map in VanMap to the report in the top right, and from the report to the search results in the bottom window.

Community Services Web Viewer to VanMap

CSG Search Results - Microsoft Internet Explorer provided by the City of Vancouver

Address http://csgwebapps/CsgWebViewer/Index.cfm?FuseAction=SearchAddress&Width=800&Height=600&permit_1 Go Links >>

CSG Web Viewer

CSG Web Viewer - Search Results

Click links to search > **CSG** PC Building Permits PRISM Addr Rezoning More Systems...

Search Links
>> CSG Search Form

Permit No: Address: 453 To W 12TH

Street #	Street	PC Building	Permits
453	W 12TH AV	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Page(s): 1

Comments or questions? Contact [CSG Information Systems](#) © 2002 - 2007 City of Vancouver

VanMap - Staff Edition - v5 (Link to CSG Web Service Application) - Microsoft Internet Explorer provided by the ...

Address <http://vanmap.vancouver.ca/web/vanmap5/vanmapsv5goto.cfm?civicnumber=453&streetname=W%2012TH%20AV> Go Links >>

VanMap

staff edition

Contact Us

Legend Options

Address Search

Number: 453 OR Search Options

Street: W 12TH AV Reset

Toolbox

General Info

Applications

Select Application:
Business Licenses
Dog Licenses
Protected Licenses

City Hall

City Boundary

Olympic Venues

Public Art

Public Places

The Road Ahead

City Projects

Web Cameras

Licenses

Business License Sites

Protected License Sites

PRISM Permits

BU Permits

DB Permits

ADDRESS: 453 W 12TH AV
ZONING: SEE ZONING DISTRICTS LAYER
TAX COORDINATE: 6701 7007
PID/Strata Plan No.: 014570505

Property Addresses : ADDRESS: 453 W 12TH AV-ZONING: SEE ZO 1 : 800 395 x 189 (ft)

http://vanmap.vancouver.ca/reportal/vmse_parcelindex2_cas.cfm?8parcelID=__FIYOCA&address=123 Local intranet

Complex Two-Way Integration

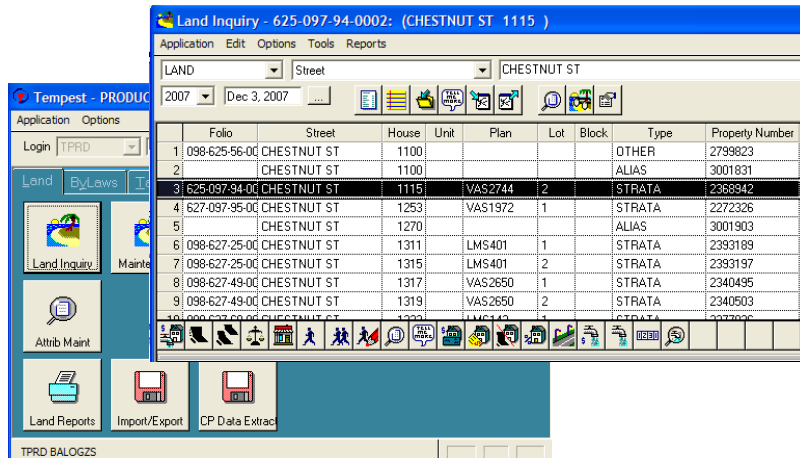


- ▶ Complete integration of two systems allowing two-way communication.
- ▶ Example: Tempest integration with VanMap
 - Tempest folio records displayable in VanMap
 - VanMap parcel records importable by Tempest

Tempest – VanMap Integration

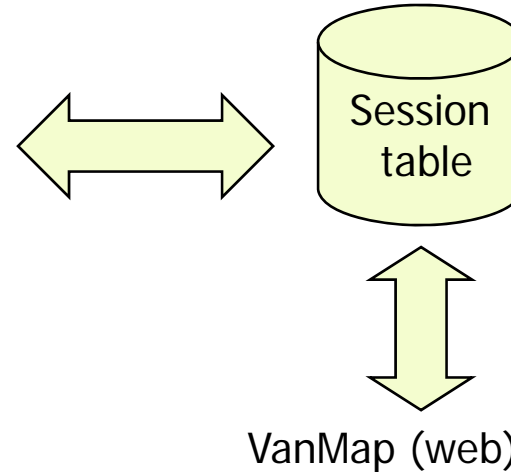
► How the two systems communicate

Tempest system (desktop)



The screenshot shows the 'Land Inquiry' window in the Tempest desktop application. The window title is 'Land Inquiry - 625-097-94-0002: (CHESTNUT ST 1115)'. The interface includes a menu bar (Application, Edit, Options, Tools, Reports), a toolbar, and a data table. The table has columns for Folio, Street, House, Unit, Plan, Lot, Block, Type, and Property Number. The data is as follows:

Folio	Street	House	Unit	Plan	Lot	Block	Type	Property Number
1 098-625-56-00	CHESTNUT ST	1100					OTHER	2799823
2	CHESTNUT ST	1100					ALIAS	3001831
3 625-097-94-00	CHESTNUT ST	1115		VAS2744	2		STRATA	2368942
4 627-097-95-00	CHESTNUT ST	1253		VAS1972	1		STRATA	2272326
5	CHESTNUT ST	1270					ALIAS	3001903
6 098-627-25-00	CHESTNUT ST	1311		LMS401	1		STRATA	2393189
7 098-627-25-00	CHESTNUT ST	1315		LMS401	2		STRATA	2393197
8 098-627-49-00	CHESTNUT ST	1317		VAS2650	1		STRATA	2340495
9 098-627-49-00	CHESTNUT ST	1319		VAS2650	2		STRATA	2340503
10 098-627-49-00	CHESTNUT ST	1323		VAS2650	1		STRATA	2340500



VanMap (web)



Tempest – VanMap Integration



Key Benefits of Tempest-VanMap Integration:

- ✓ Display Tempest folio records in map
- ✓ Retrieve Tempest data from map selections
- ✓ Create / Edit Tempest business objects visually
- ✓ Perform spatial analysis with Tempest data
- ✓ Adding perspective to Tempest data

Tempest – VanMap Integration

- ▶ Example: Mapping of Tempest folio records

Tempest - PRODUCTION System

Application Options
Login: TPRD

Land | ByLaws

TAXES
Tax Accounts

SOLD
Tax Sale

Local Imp
TPRD BALOGZS

BUSINESS IMP AREA - BIA - COLL

Application Edit Bylaw Property Options

Series: [Dropdown]

General | Options | Events | Comments | Attach

Commuted: With Assmnts [0] Without

Folio	Unit	House
138 770-315-66-0000		3588
139 770-315-96-0000		3596
140 770-317-06-0001		3608
141 770-317-06-0002		3612
142 770-317-06-0003		3618
143 770-317-06-0004		3622
144 770-317-06-0005		3628
145 770-317-06-0006		3632
146 770-317-06-0007		3638
147 770-318-05-0000	3601	3605
148 770-318-45-0000	3611	3619
149 770-318-65-0000		
150 770-318-95-0000	3639	3645
151 770-319-05-0000		5675
152 770-319-06-0000		3696

Last Modified May 07, 2006 By [User]

Tempest Vanmap Interface (TPRD)

VanMap 4.0.0.7 interface

Address Search: Number: Street: Search Options: Search Reset

Legend Options: [Dropdown]

Toolbox: [Icons]

General Info: Print SkyView Help

Applications: Select Application: Business Licenses Dog Licenses Protected Licenses

Map: [Map showing property boundaries, streets, and various colored overlays (pink, yellow, blue) representing different property types and features. Folio numbers are visible on the map.

0 feature(s) selected

1: 5,846 4,349 x 2,969 (ft)

Lat: 49.232230, Lon: -123.037355

Windows Taskbar: start, Inbox, JSfile, Cold F..., Tempe..., Micros..., untitled..., BUSIN..., Tempe..., 4:48 PM

Tempest – VanMap Integration

- ▶ Example: Retrieving Tempest data of map selections

The screenshot displays a software interface for land inquiry. On the left is a map showing residential lots with addresses. A specific lot, 4117, is highlighted in dark blue. An orange arrow points from this lot to a data table on the right. The table is titled 'Land Inquiry - 712-095-97-0000: (CYPRESS CRES 4117)'. The table has columns for Folio, Street, House, Unit, District Lot, Plan, Lot, Block, and Type. The first row of data is highlighted in black and contains the following information:

Folio	Street	House	Unit	District Lot	Plan	Lot	Block	Type
712-095-97-0000	CYPRESS CRES	4117		526	6032	1	74	LAND

Below the table is a toolbar with various icons, and a status bar at the bottom showing the date 'Jun 01, 2000 /' and a 'NUM' field. A second orange arrow points from the bottom of the software window towards the text below.

Utility/ assessed values/land title/meter readings/ etc...

Tempest – VanMap Integration

▶ Example: Creating a Tempest business object visually

The screenshot displays the Tempest Vanmap Interface (TTST) with a map of a residential area. A large orange arrow points from a selected parcel on the map to a data table. A dialog box titled 'Add Locations' is open, showing a list of properties with their details. A Microsoft Internet Explorer error dialog is also visible, stating 'Parcel selection complete. Please proceed importing to Tempest.'

Property No.	Folio	Street	House	Unit	Pid	District	Lot	Plan
1320373	752-170-45-00	42ND W	441		010-337-300	526		7737
1320381	752-170-46-00	42ND W	438		010-336-095	526		7737
1320399	752-170-55-00	42ND W	433		005-873-525	526		7737
1320407	752-170-56-00	42ND W	428		010-336-087	526		7737
1320416	752-170-55-00	42ND W	407		010-337-334	526		7737
1320429	752-170-56-00	42ND W	410		010-336-081	526		7737
1320431	752-170-75-00	42ND W	393		008-235-210	526		7737
1320456	752-170-65-00	42ND W	375		010-081-011	526		7737

Tempest – VanMap Integration

- ▶ Example: Editing Tempest business object visually

BUSINESS IMP AREA - BIA - CHINATOWN (9000-0000)

Application Edit Bylaw Property Options Tools Reports

Series: CT-07

Address Search: Number: Street: Search Options Search Reset

Legend Options

Toolbox: Select Application, Print, SkyView, Help

Applications: Business Licenses, Dog Licenses, Protected Licenses

General Options Events Comments Attachments Activities

Commuted: With Assmnts 0 Without 0 Active

Legend:

- CP Anode
- CP Test Point
- CP Insulated Coupling
- CP Anode Wire
- Street Furniture
- City Streets Network
- Bridges and Related Structures
- View Cones
- Subdivision Categories
- DCL Areas
- Zoning Districts
- Zoning District Labels
- Zoning Districts Types
- Downtown District Sub-Areas

Microsoft Internet Explorer: Parcel selection complete. Please proceed importing to Tempest.

Add Locations

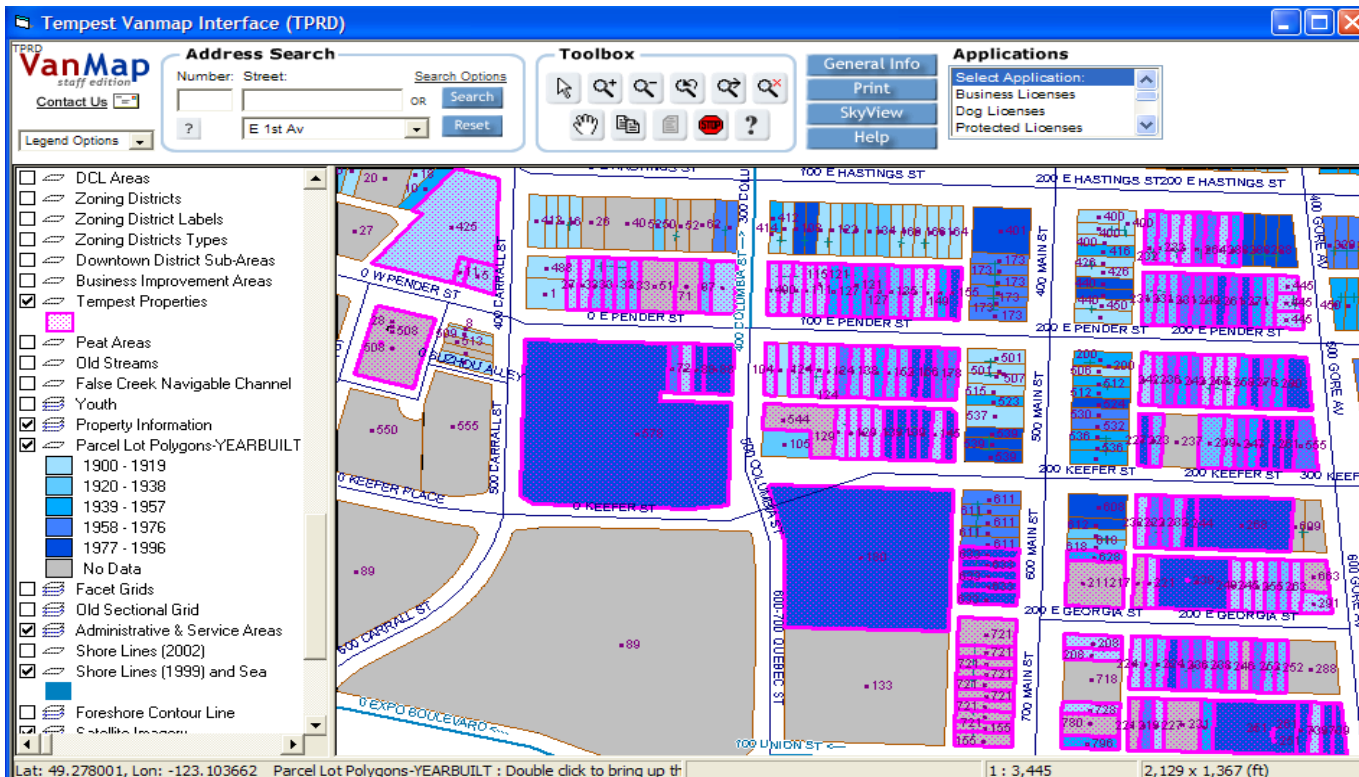
QUERIES - Map Distinct Property List

Property No.	Folio	Street	House	Unit	Pid	District Lot	Plan
1968999	590-178-06-00	CARRALL ST	412		003-545-725	196	184
1969005	590-178-14-00	HASTINGS ST E	6		015-669-394	196	184
1969021	590-178-22-00	HASTINGS ST E	12		007-102-259	196	184
2698694	590-178-50-00	HASTINGS ST E	30		024-501-867	196	LMP40822
1969104	590-178-60-00	HASTINGS ST E	50		009-236-660	196	184
2612877	590-178-62-00	HASTINGS ST E	52		015-669-467	196	184
2557775	590-178-76-00				023-332-913	196	LMP27049
1969179	590-178-96-00	HASTINGS ST E	92		015-669-548	196	184

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Tempest – VanMap Integration

- ▶ Example: Performing Spatial analysis (Theme)



Tempest properties (pink) + VanMap parcel YearBuilt theme (blue)

Tempest – VanMap Integration

▶ Adding perspective / context to Tempest data

The screenshot displays a GIS application interface with the following components:

- Legend Options:** A list of layers on the left and right sides. The 'Tempest Properties' layer is highlighted in blue. Other layers include Zoning Districts, Licenses, City Streets, and various orthophotos.
- Address Search:** A search bar with fields for 'Number' and 'Street', and a 'Search' button. The 'Street' field contains 'E 1st Av'.
- Toolbox:** A set of navigation and analysis tools including pan, zoom, and search icons.
- General Info:** Buttons for 'Print', 'SkyView', and 'Help'.
- Applications:** A dropdown menu for 'Select Application' with options: Business Licenses, Dog Licenses, and Protected Licenses.
- Main Map:** A satellite orthophoto map showing a city grid. Several property boundaries are highlighted with pink outlines, representing the 'Tempest Properties' data overlaid on the 'VanMap Orthophotos 2006'.

Tempest properties + VanMap Orthophotos 2006

Future Integration Plans



- ▶ 311: requirement is to
 - locate a service request
 - do a proximity search
 - show a spatial pattern and temporal trend in VanMap.
- ▶ Amanda: uses an address to open VanMap for more visual map context (e.g. from orthophotos).
- ▶ Hansen: VanMap will display data from the asset management system.

Future Integration Plans: Methods

- ▶ Maintain the application level integration using methods such as the decorated URL;
- ▶ Use a data warehousing approach: e.g. PIMS, for the data level integration;
- ▶ Move toward SOA (Service-oriented Architecture) by implementing Web services;
- ▶ Use a middleware approach for Enterprise Application Integration (EAI), such as MS BizTalk (for IMS)

Summary



- ▶ VanMap is an information integrator providing a visual map context for viewing data from a variety of sources and applications;
- ▶ The EAI approach has been successfully implemented by integrating data with the business process and VanMap with other enterprise systems.

Public VanMap Can Be Found At



▶ vancouver.ca/vanmap

Contact Information



▶ zsigmond.balogh@vancouver.ca

▶ **604-871-6650**

▶ meng.li@vancouver.ca

▶ **604-871-6578**

▶ jonathan.mark@vancouver.ca

▶ **604-873-7987**

▶ Corporate IT Department

▶ 453 W. 12th Avenue

▶ Vancouver, BC V5Y 1V4