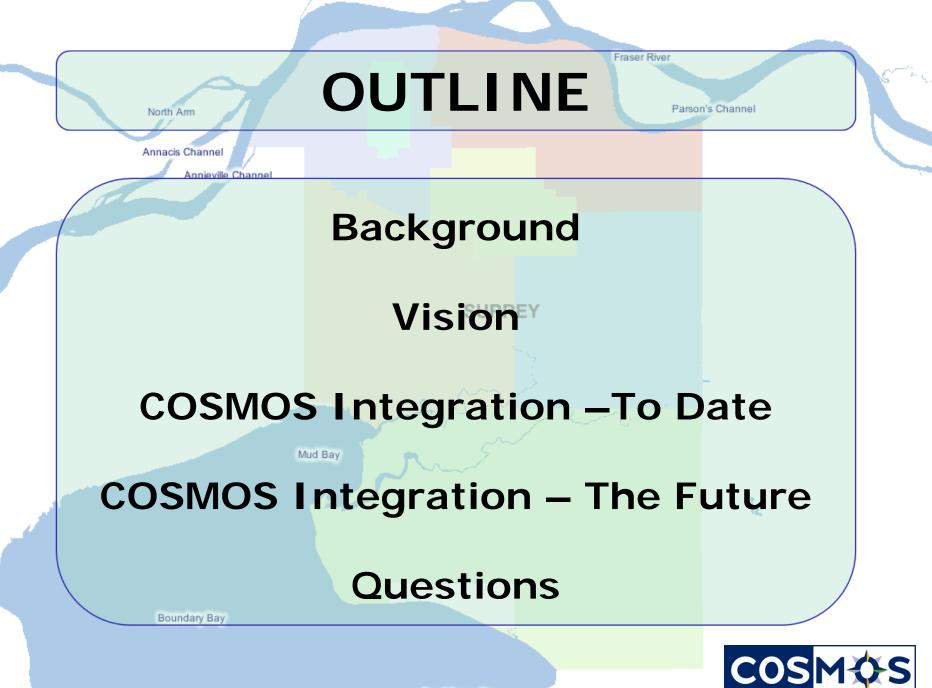


## **BEYOND OUR COSMOS**

Session: GIS Application and Data Integration

Presented by: Mark Laudon - GIS Analyst, City of Surrey

Boundary Bay



### BACKGROUND

North Arm

Annacis Channel

Annieville Channel

Fraser River

Rapidly growing city (pop >400k)
Increased population = increased data to maintain and share
Over 90 internal information systems, over 60 specialized apps
COSMOS launched 2004 internally, 2005 public





### OUR VISION

North Arm

Annacis Channel

Boundary Bay

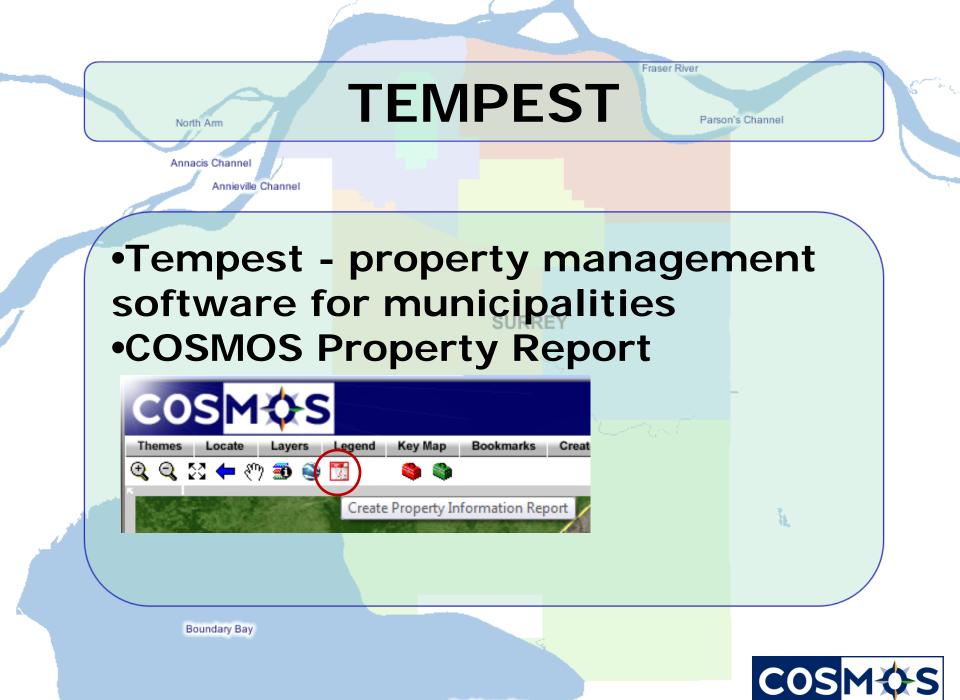
Annieville Channel

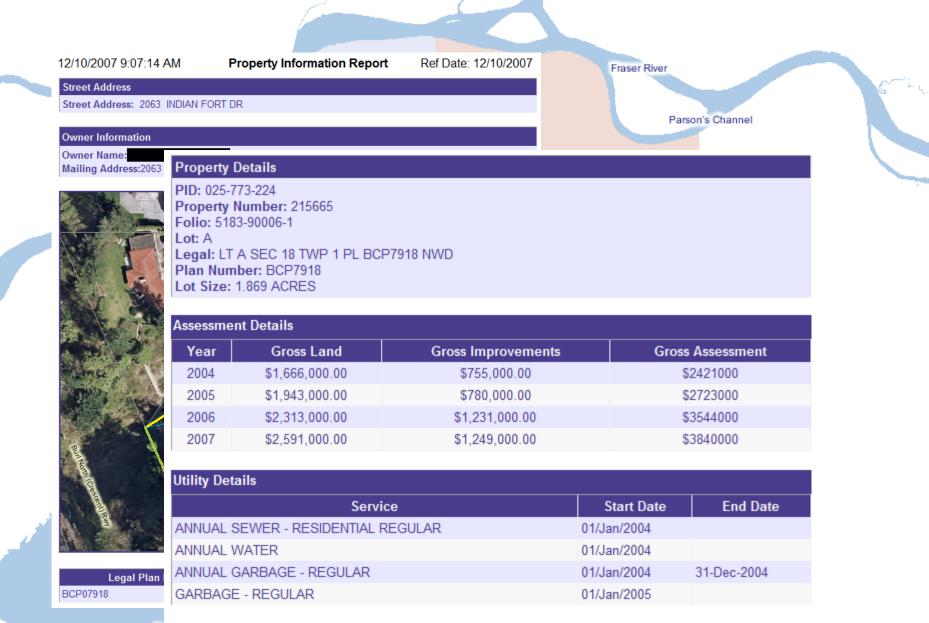
Parson's Channel

Fraser River

 Provide data/application integration to: increase the City's level of service to its residents and business community to streamline internal City business processes Leverage web based information delivery solutions = COSMOS







Be For more detailed property information, click here to access the City of Surrey's Property Taxation Online Inquiry.



#### **AMANDA**

Parson's Channel

Fraser River

#### Amanda - automating government enterprises by tracking jurisdiction's activities relating to Property and People

#### 🗉 Amanda Info

North Arm

Annacis Channel

Annieville Channel

	CENTURY:	20
	YEAR:	07
	FOLDER_NUMBER:	07-0212-00
	FOLDER_TYPE:	PR
	STATUS_CODE:	11
	STATUS_DESC:	Concluded
	INDATE:	2007-07-31 00:00:00.0
	FINALDATE:	
	FOLDER_DESCRIPTION:	Development Variance Permit to vary maximum height requirement for a four (4) storey mixed-use building.
	PLANNER:	AGA
	PLANNING_AREA:	South
	PROPERTYRSN:	44723
	ADDRESS:	2958 King George Hwy
	ROLLNUMBER:	5224120020
	PID:	011-355-913
ć	EXISTING_ZONE:	R-F, R-S
	EXISTING_OCP_DESIGNATION:	URB
	PROPOSED_TOTAL_UNITS:	
	PROPOSED_TOTAL_DEV_AREA:	
	PROPOSED_ZONING_DES_RZ:	RT-1
	PROPOSED_ZONING_DES_SD:	
	NUMBER_EXISTING_LOTS:	
	NUMBER_PROPOSED_LOTS:	
١	PROPOSED OCP DESIGNATION:	

COS M 🔆 S

### PURCHASE SPATIAL DATA

Fraser River

Annacis Channel

Annieville Channel

#### •Geocortex Data Distributor/SAFE Software's Spatial Direct

This wizard will guide you through process of extracting spatial data First, indicate how you will choose features to extract.		SURF	EY			
Extract Method: <ul> <li>Spatial Area of Interest</li> <li>Attribute Query</li> <li>Entire Layer(s)</li> <li>Existing Selected Set</li> </ul> Cancel <ul> <li>Back</li> </ul>	<ul> <li>Poles</li> <li>Road Colling</li> <li>Road Ecol</li> <li>Road W</li> <li>Sanitary</li> </ul>	al Right of Ways entrelines dges idth Labels y Casings and Sleeves y Catchments		NAD83 UTM; Zo ayer Format ESRI Shape		
Boundary Bay					COS	

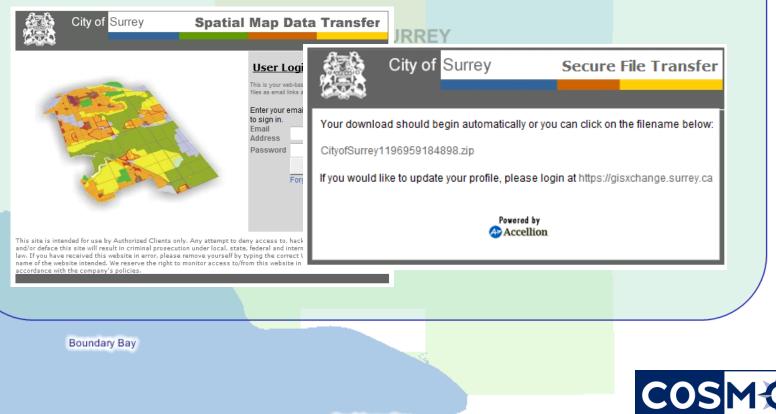
Annievill	e Channel		
Class C	oftware/a Daint of Cala		
class 5	oftware's Point of Sale		
Information			
Customer Name:	Payment from credit card		_
ACME Engineering Ltd.	Credit Type: Visa Card 🗸		
Address Line 1:	visa cara		_
14245 - 56th Ave	Card Number: 123456789123		9
Address Line 2 (optional):			
City:	Expiry Date: 01 - 2027 -		
Vancouver			
Province:			
BC	Item Charges		
Postal Code:	SubTotal :	\$9.09	
V2V5X4	Tax :	\$1.18	
Contact Person (optional):	Total( Price Includes Tax):	\$10.27	
Joe Engineer, PEng.			1
Contact Phone Number:			
604-555-1212	Consists Transaction		
Item Charges	Complete Transaction		
			chase.
Tota	( Pri Copyright City of Surrey. All rights reserved.		
Complete Transaction			
Copyright City of Surrey. All rights reserved			
oppright only of ourrey. An rights reserved	Copyright City of Surrey. All rights reserved.		

## PURCHASE SPATIAL DATA

Annacis Channel

Annieville Channel

#### Accellion Courier – File Downloads



#### DTS

Fraser River

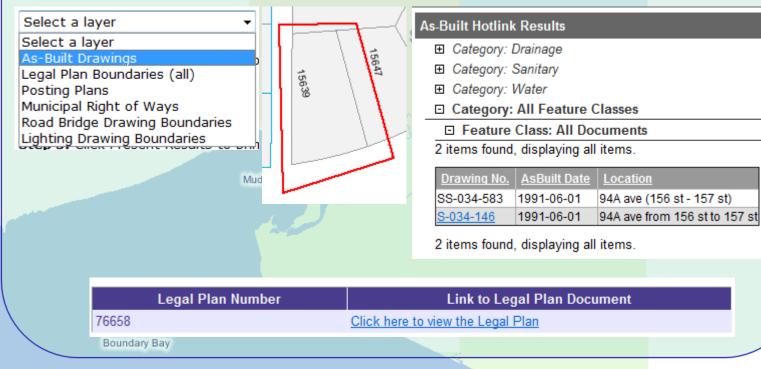
Parson's Channel

Annacis Channel

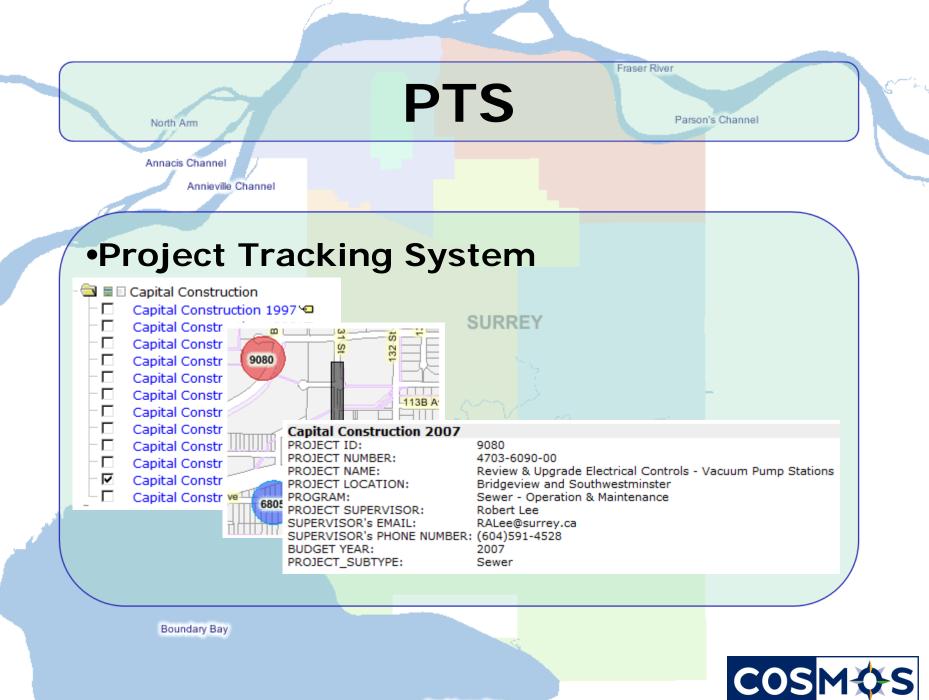
North Arm

Annieville Channel

# Drawing Tracking System Engineering and Legal Drawings







### **CITYWORKS**

North Arm

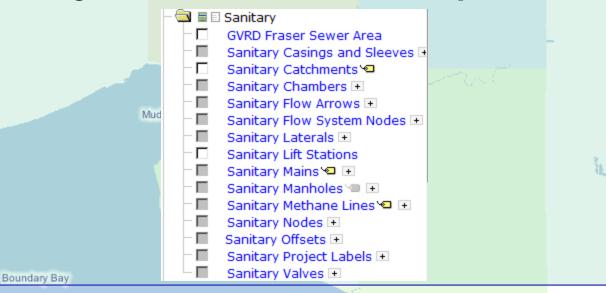
Annacis Channel

Annieville Channel

Parson's Channel

Fraser River

 Critical data fields (costs, work order dates, condition, warranty) transferred from Cityworks database to spatial data





### IMAGE LINKS

Parson's Channel

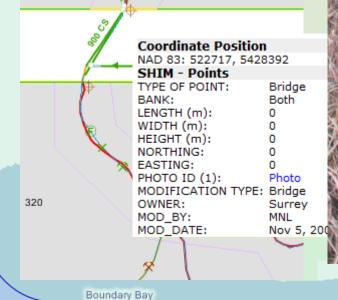
Fraser River

Annacis Channel

North Arm

Annieville Channel

#### Sensitive Habitat Inventory and Mapping Imagery





C

### IMAGE LINKS

Parson's Channel

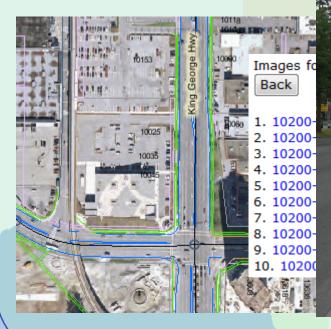
Fraser River

Annacis Channel

North Arm

Annieville Channel

#### 272 Traffic Sign



Boundary Bay



## **DRIVING DIRECTIONS**

Fraser River

Annacis Channel

Annieville Channel

#### Driving directions via Google Maps<sup>™</sup>

	Maps O Search the	ay, Burnaby, BC		Get Directions
Surre COSC Themes Locate Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc Cosc C	Search Results My Maps	ncouver	Print 🖂 Send «	
	Directions: Drive There - <u>Take Public Tr</u> Avoid highways <u>Get reverse</u>	directions	Belcarra Anmoro	ellite Terrain
	From: 4700 Kingsway Burnaby, BC, Canada	Edit ≡ ver +	Port Coquittam	
	Drive: 26.4 km – abou	it 30 mins	Arnaby S	
	<ol> <li>Head southeast on Kingsway toward Sussex Ave</li> </ol>	It 30 mins 0.4 km	New Westminster Whalley	Pitt Maple Meadows Ridge
	2. Turn left at Nelson Ave	0.4 km		
	<u>3</u> . Turn right at Dover St	0.4 km		
	4. Turn left at Royal Oak Ave	1.1 km	Newton	Vancouver) Coquitlan
	5. Turn right at Deer Lake Pkwy	1.1 km	91 Surrey	Vancouver Langle
	6. Slight right at Deer Lake Pl	0.4 km		White Rocko
	7. Turn right at Canada Way	0.5 km ⊚ <del>-</del> G <b>bøgl≰</b> m M	Ap data ©2107 NAVIEQ*** - 997s of Use	Ferndaleo

COS M 🔆 S

Boundary Bay

### **BEYOND OUR COSMOS**

Eraser River

Extend COSMOS beyond initial scope
Possible future integration points include:
SCADA – Water, etc.
3d Lidar Models
Permitting Systems/POSSE
Expanded Property Report
Real Time Tracking
Street View



Boundary Bay

Annacis Channel

Annieville Channe

