

2008 Geomatics Annual Report

**Presentation to Planning and
Economic Development
Committee**

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Quality decision-making through geospatial information

Overview

❑ Key Accomplishments

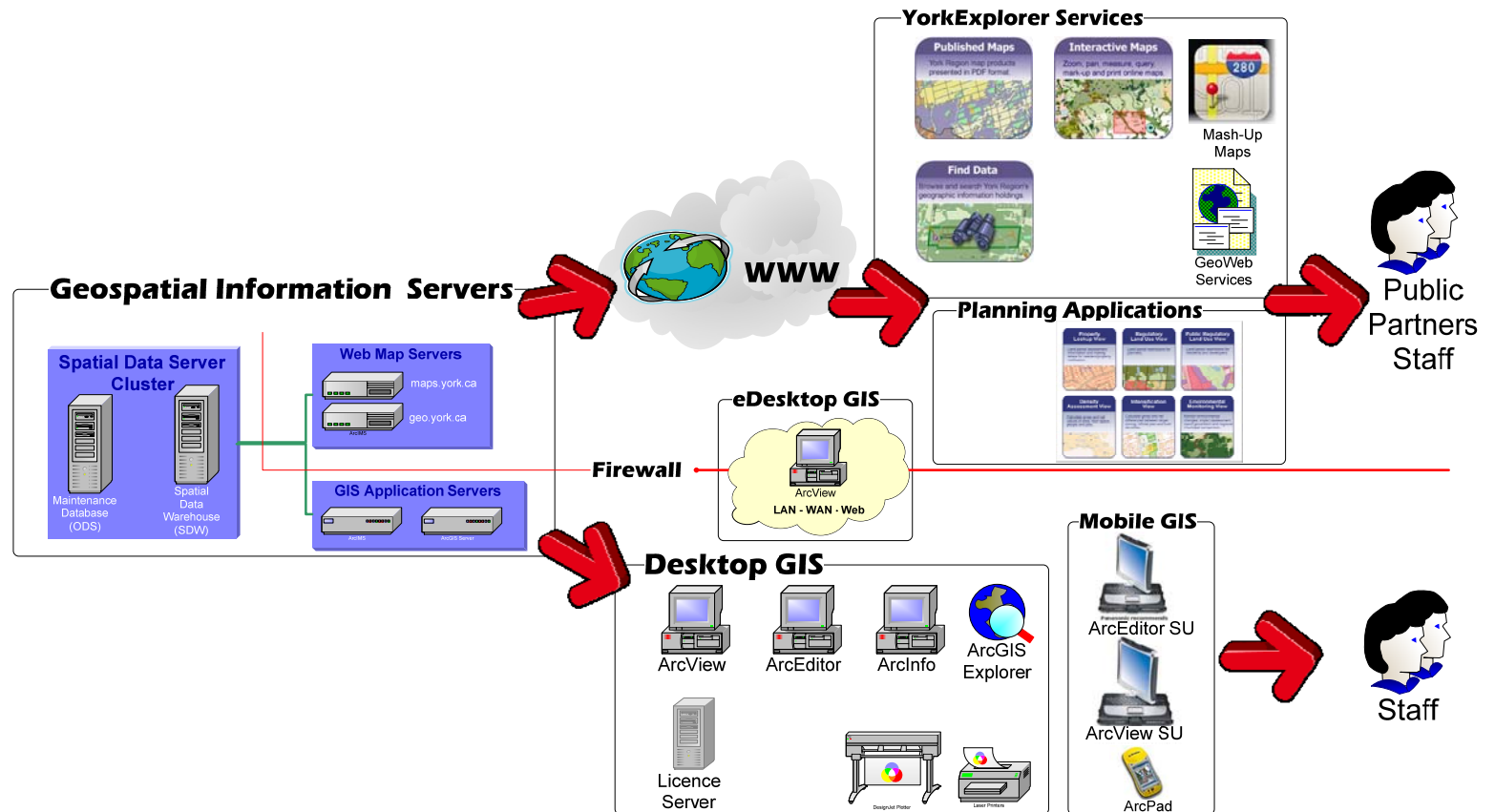
- ❑ Comprehensive infrastructure meets operational needs
- ❑ Effective operations enabled by geospatial databases
- ❑ Products and services add analytical capacity to decision-making
- ❑ Enriched communities through coordinated geospatial infrastructure

❑ Demos

- ❑ AtlasPlus supports growth management and Yonge Street subway expansion business case



Comprehensive design meets operational needs

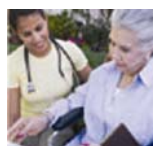


Integral to Regional operations



- ❑ 150 corporate desktop GIS users
- ❑ 14 business applications supported
 - ❑ Police and fire dispatch
 - ❑ YRT scheduling and VIVA bus tracking
 - ❑ EMS ambulance tracking
- ❑ Emergency management & critical infrastructure
- ❑ Human services
- ❑ Water/wastewater
- ❑ Asset management

Effective operations enabled by extensive geospatial databases

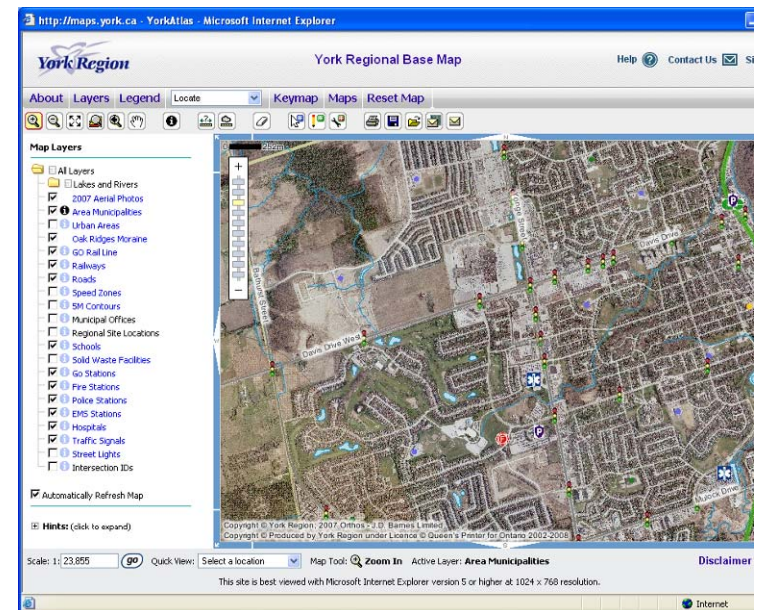


Key Achievements in 2008	Total Information Assets
54 new thematic databases	470 thematic databases maintained
60 new “proposed” road segments 400 new road segments	26,500 road segments 19,500 road intersections
5,100 parcels added	293,500 individual parcels
1,150 new plans scanned	5,000 georeferenced plans
77 Gb of information archived	870 Gb of information stored

YorkExplorer on-line mapping used frequently by public and staff

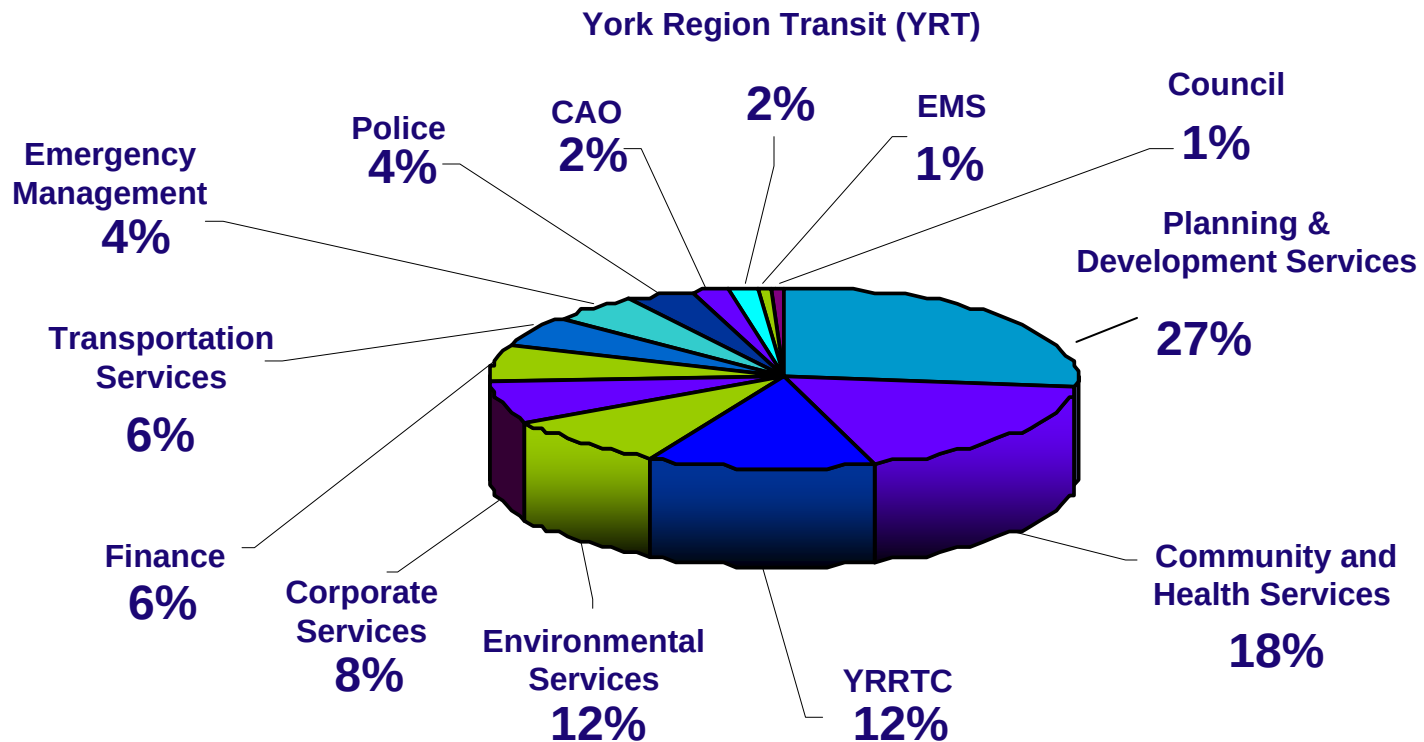


- ❑ 140,000 visits in 2008 lasting on average 12 minutes
- ❑ 6% increase in visitors since 2007
- ❑ 29 public and secure interactive views
- ❑ 146 thematic maps

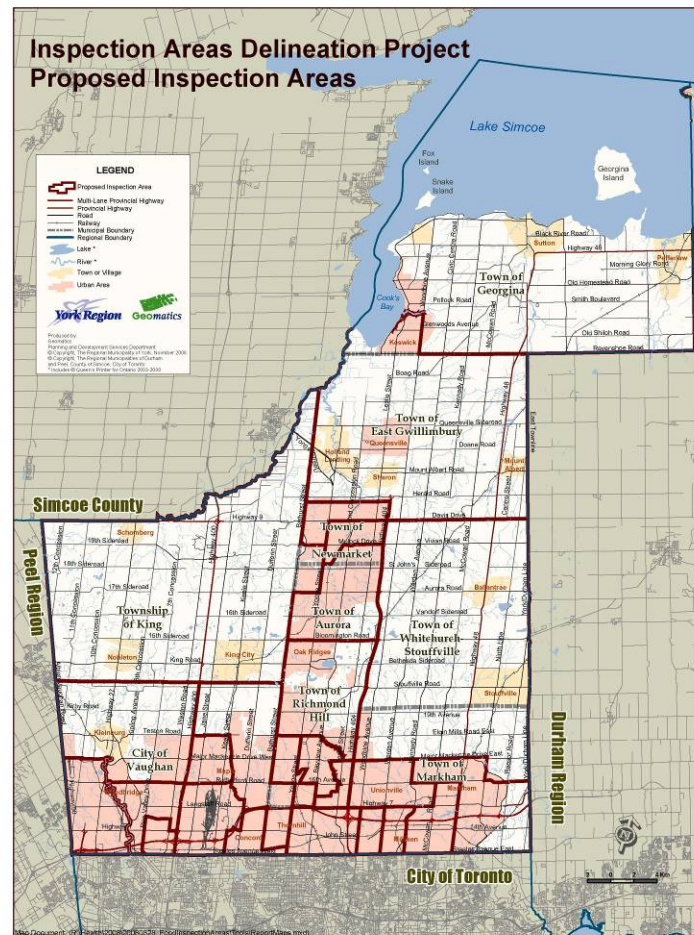
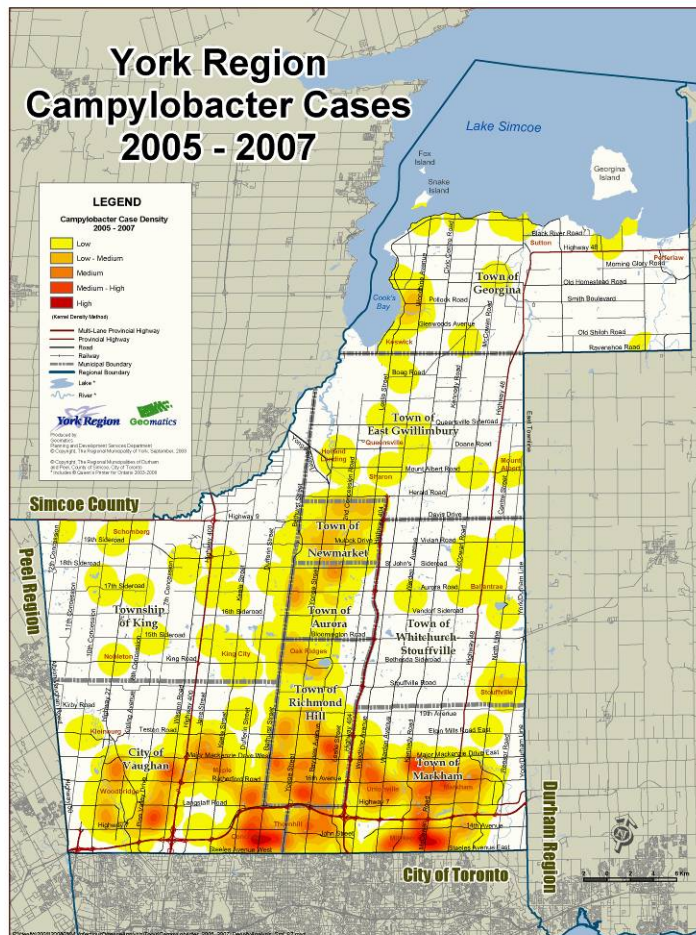
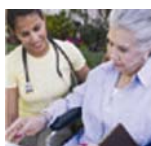


800 products and services delivered add analytical capacity to decision-making

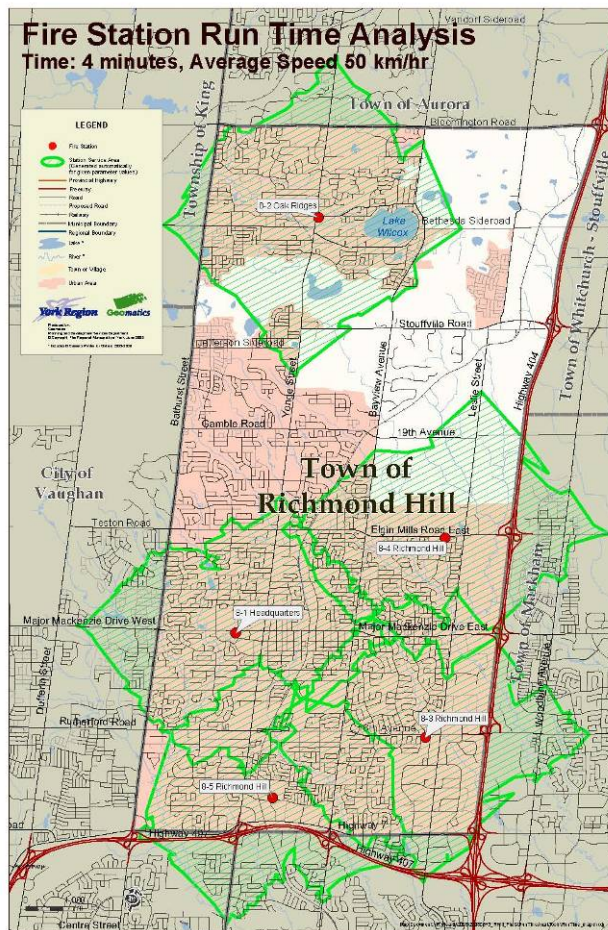
By internal client groups



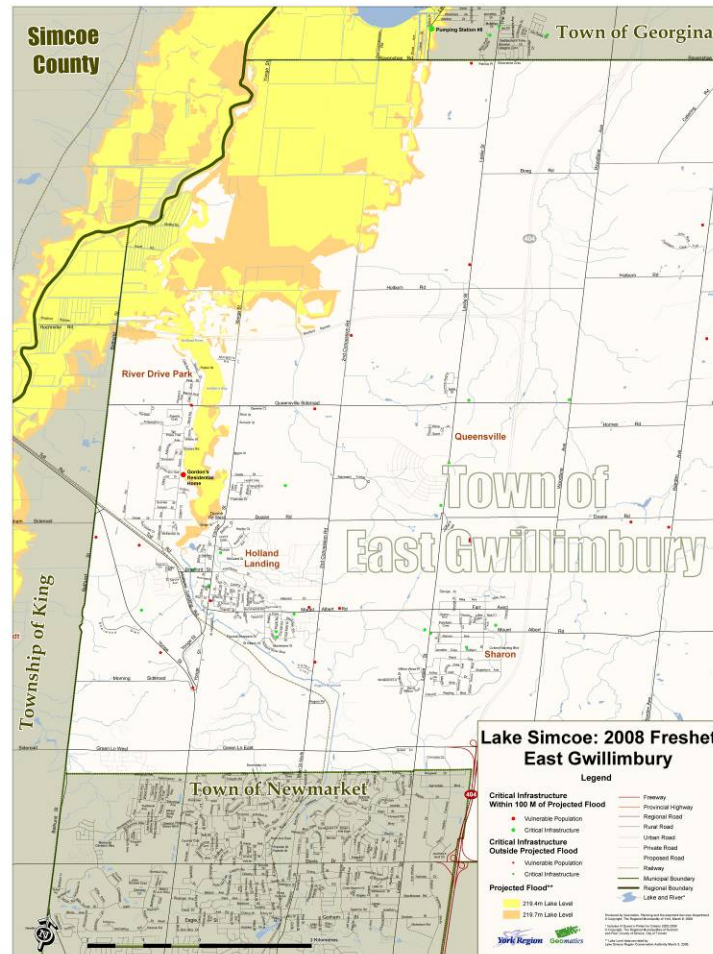
Infectious disease analysis aids early detection and prevention



Fire services run time analysis facilitates optimum station locations



Lake Simcoe freshet flood mapping enabled proactive response



Custom tools and training help fight crime



- ❑ Standardized templates and symbology
- ❑ Assess and visualize trends
 - ❑ Identify proximity
 - ❑ Create hot spots for density mapping
 - ❑ Analyze journey to crime
 - ❑ Identify repeat offences
 - ❑ Identify similar crimes
 - ❑ Counts by area for type and boundary



Enriched communities through coordinated geospatial infrastructure

YorkInfo Partnership

- ❑ Updates of 80+ geospatial databases
- ❑ Current critical infrastructure essential to emergency management
- ❑ AtlasPlus provides access to common growth-related information
- ❑ 3D models visualize current and future scenarios
- ❑ GIS coordination for FireCAD public safety services
- ❑ MOUs executed with 7 partners

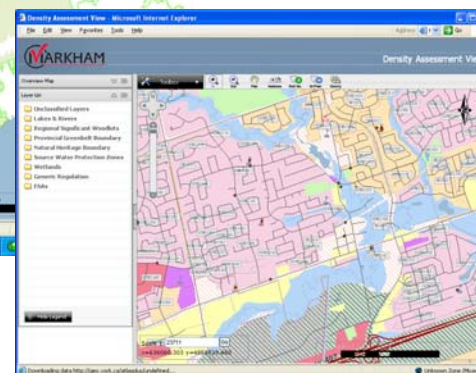
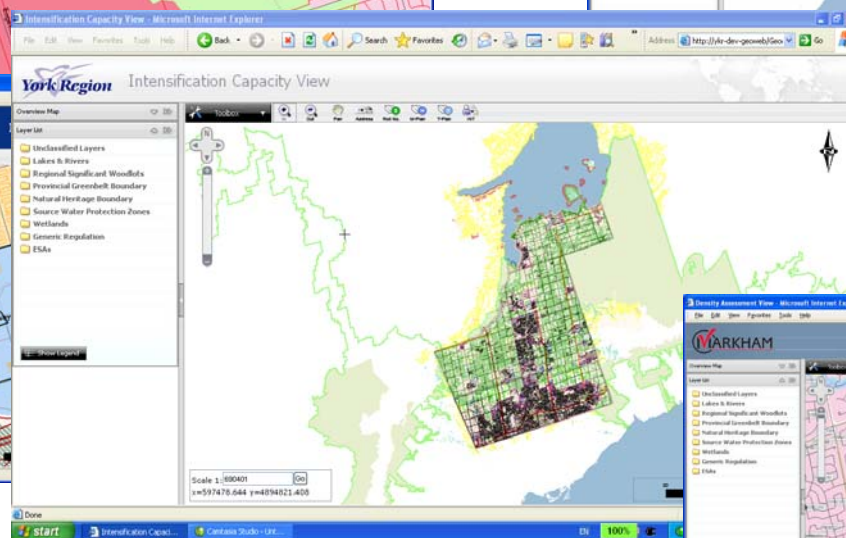
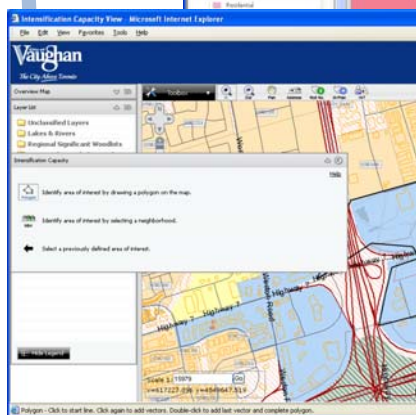
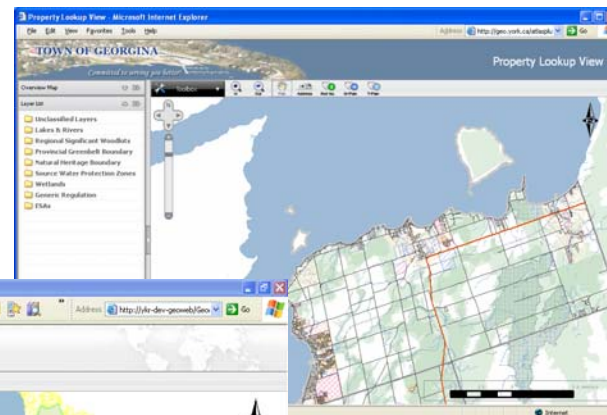
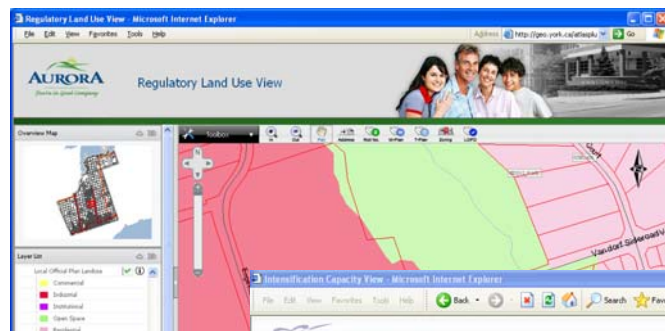
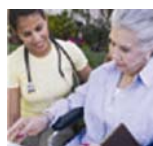


AtlasPlus supports growth management

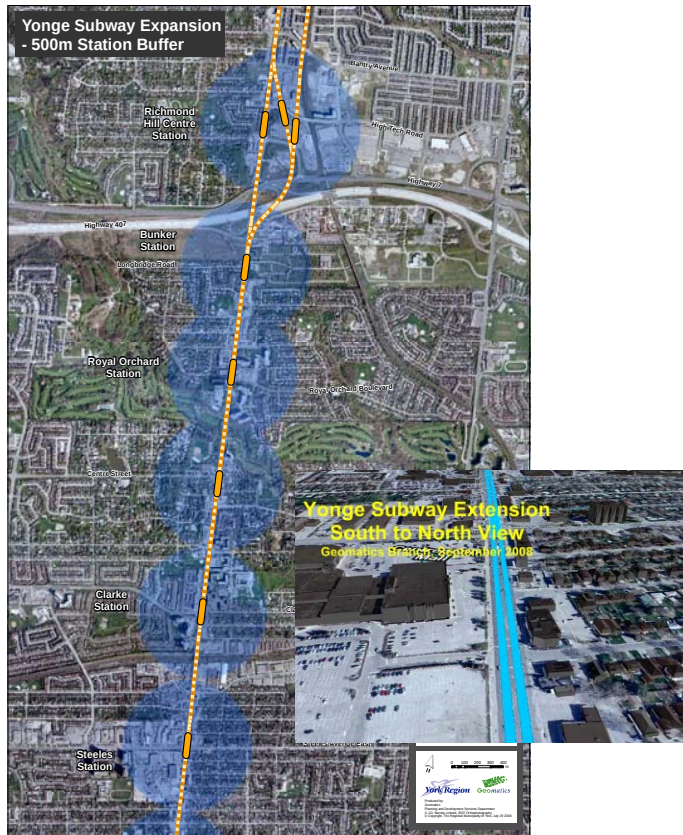


- ❑ On-line application for planners to evaluate density scenarios related to Places to Grow Act
- ❑ Sustainable development and environmental monitoring applications
- ❑ Project with local municipalities and CA's – all using current data
- ❑ Established infrastructure for future on-line mapping
- ❑ Funding assistance from GeoConnections

Local views configured in AtlasPlus for municipal agencies



AtlasPlus supports Yonge Street subway expansion business case



- ❑ Analysis of development potential around possible subway station locations
- ❑ Current population density calculations
- ❑ Development potential estimates calculated using intensification application
- ❑ Flyover for public consultation

Summary



- ❑ It is recommended that these reports be received for information.
- ❑ It is also recommended that the *2008 YorkInfo Partnership* report be circulated by Geomatics staff to the YorkInfo Partners for information