UNIVERSITY OF TORONTO
MAP & DATA LIBRARY

Open Data: Open Geospatial Data and Libraries

Marcel Fortin
Map and Data Library
University of Toronto

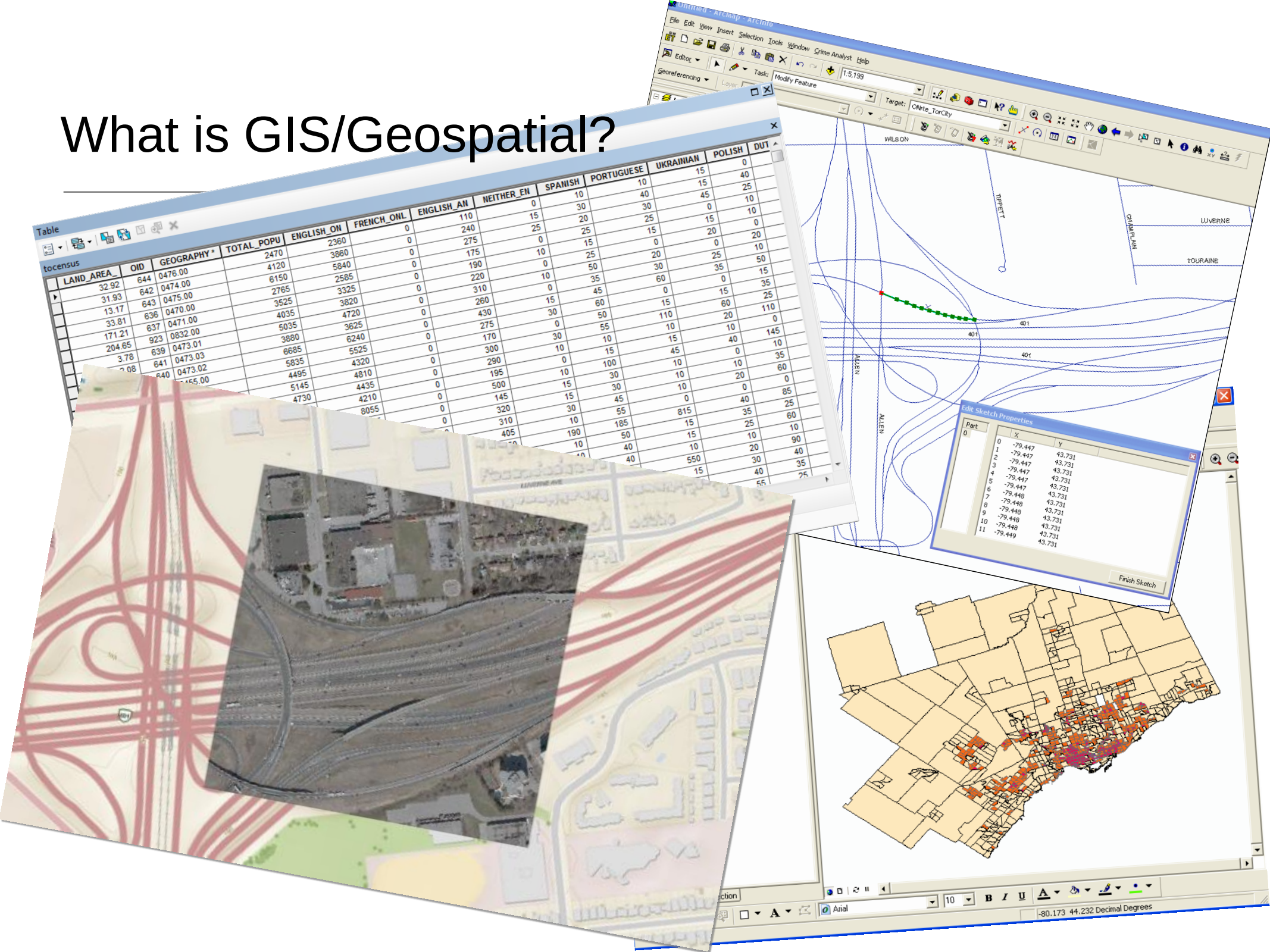
Government Information Day
OISE Library
November 1st, 2013

Open Data

- Short history of Open/Free/Privileged Pricing Data access at the University of Toronto Libraries

- The effects of open data on Services at the MDL / Libraries

What is GIS/Geospatial?



Information about...

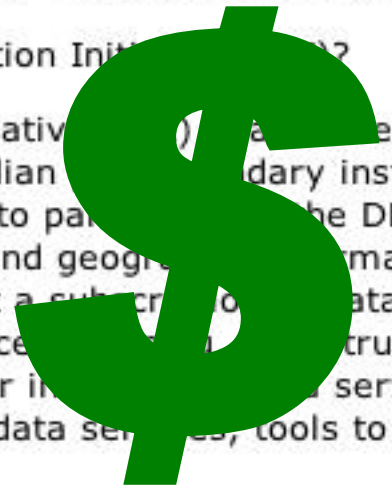
- Data Liberation Initiative (DLI)
- Participating institutions and their contacts
- Tentative release dates of products
- Training repository
- Restricted Data Liberation Initiative Web Site

Other information

- Learning Resources
- Research Data Centres (RDCs)

Data Liberation Initiative (DLI)

What is the Data Liberation Ini[illegible]?



The Data Liberation Initiativ[illegible] effective program for improving access to data resources at Canadian [illegible]dary institutions. Colleges and universities pay an annual subscription fee to pa[illegible]he DLI and gain unlimited access to numerous Statistics Canada data and geogr[illegible]mation system products for their faculty and students. More than just a sub[illegible]ata resources, membership in the DLI includes access to service[illegible]tructure and partnerships to ensure the effectiveness of member i[illegible] services. The DLI offers dedicated research assistance, support for data se[illegible], tools to improve client service and expert training and advice.

Please consult the list of member institutions. If your institution is already a member, please contact the person listed to gain access to products available through the DLI.

For more information about the DLI program, please contact dli-idd@statcan.gc.ca

Spatial Data

Off-campus University of Toronto users login to myaccess first!

Availability of spatial (vector) map data for Canadian census geography in the University of Toronto Data Library Service									
	2006	2001	1996	1991	1986	1981	1971	1851-1961	1871
Census agricultural regions (CAR)		X	X		X				
Census consolidated subdivisions (CCS)	X	X	X	X	X				
Census divisions (CD)	X	X	X	X	X	X	X	contact GEORIA	All Canada, Québec, Ontario, Maritimes *[ATLAS*GIS format]*
Census division ecumene files	X	X							
Census subdivisions (CSD)	X	X	X	X	X	X			All Canada, Québec, Ontario, Maritimes *[ATLAS*GIS format]*
Census metropolitan areas/ census agglomerations (CMA/CA)	X	X	X	X		X			
Census tracts (CT)	X	(urban only)	(urban only)	(urban only)	(urban only)	X	X		
Designated places (DPL)	X	X	X						
Dissemination areas (DA)/ Enumeration areas (EA)	X	X	X	X	Toronto only	Chicoutimi-Jonquière only			
Dissemination blocks	X	X	X						
Economic regions (ER)	X	X							
Federal electoral districts (FED)	*2003 R.O.* at GeoGratis	*2003 R.O.* at UT/DLS at GeoGratis *1996 R.O.*	1996 R.O. 1987 R.O.	1987 R.O.	1987 R.O. 1976 R.O.	1976 R.O.			

2001

KPMG Consulting

Project Report

EXECUTIVE SUMMARY

GEOSPATIAL DATA POLICY STUDY

Prepared for

GeoConnections
Policy Advisory Node

Submitted by

Garry Sears
KPMG Consulting Inc.
45 O'Connor Street, Suite 1000
Ottawa, Ontario K1P 1A4
Tel: 613-598-3661
Fax: 613-238-3698

Ottawa
March 28, 2001
#03-34257

2002-2007


GéoBase
Natural Resources Canada
Ressources naturelles Canada
Natural Resources Canada
www.nrcan.gc.ca
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Home
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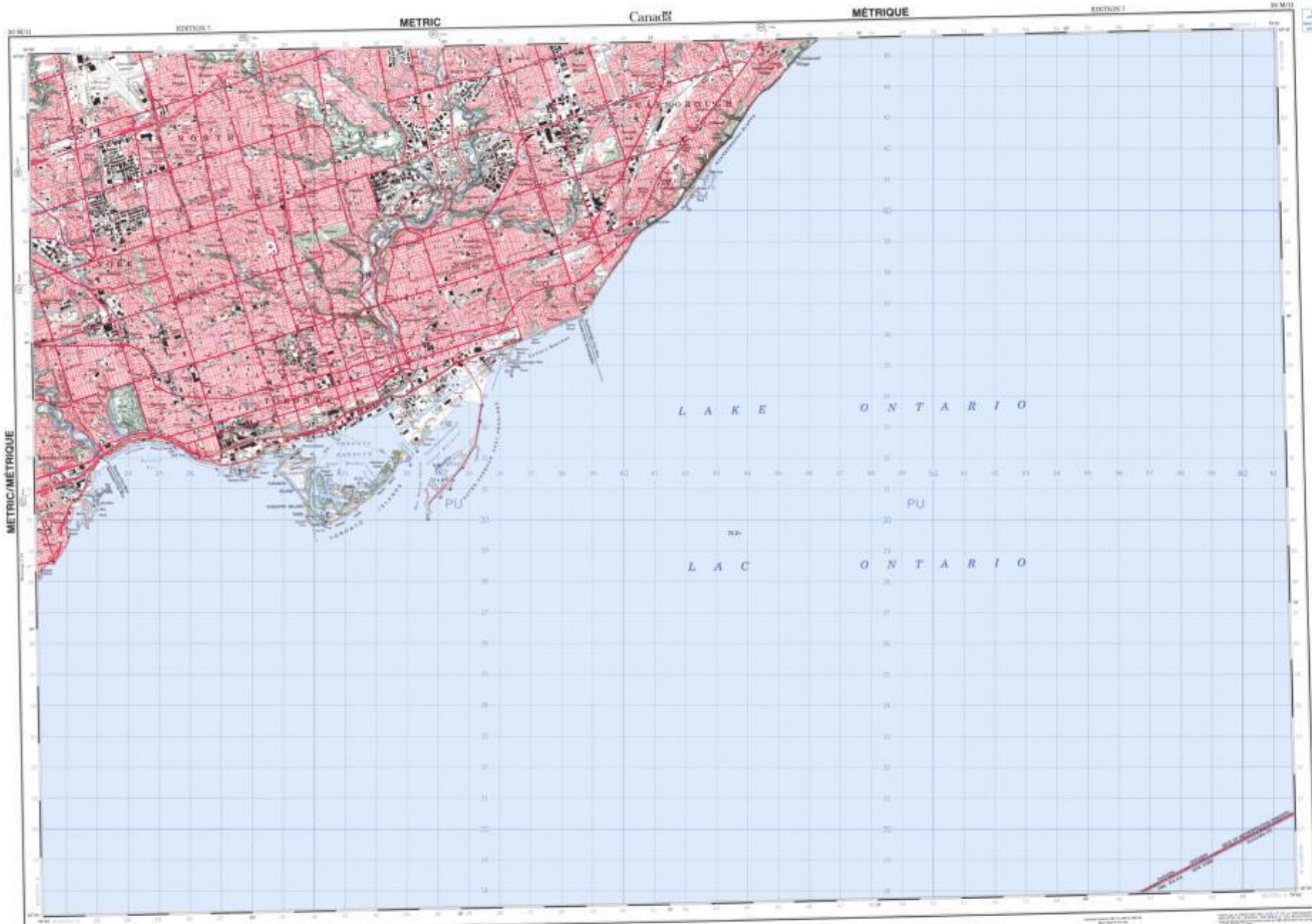
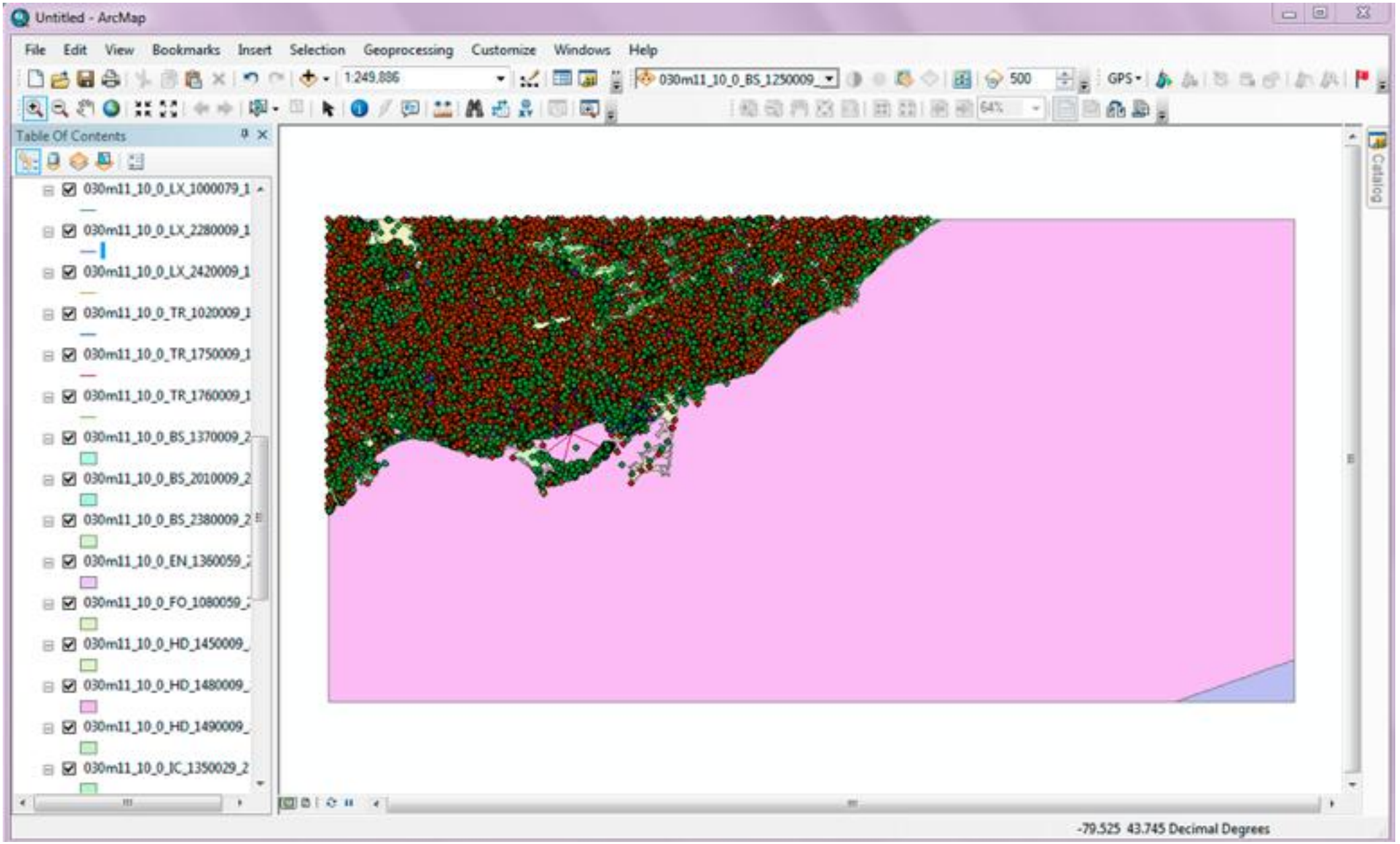
Natural Resources Canada > Earth Sciences Sector > GeoGratis
GeoGratis
GeoGratis Home
Site Map
GeoGratis Help
Register to users list
Licence Agreement
Collections
All Collections
Search by Keywords
Search by Product
Services
Toporama WMS
Related Links
Download Directory
FAQ
Geomatic 101
Other Portals
GeoBase
GeoConnections
GeoConnections Discovery Portal
More Portals
GEOGRATIS LICENCE AGREEMENT FOR UNRESTRICTED USE OF DIGITAL DATA
This is a legal agreement between you ("Licensee") and Her Majesty
Canada ("Canada"), as represented by the Minister of Natural Resou
ACCESSING, DOWNLOADING, PRINTING OR USING THE DA
AND MATERIALS BEING PROVIDED WITH, OR ACCESSIBLE
AGREEMENT, YOU ARE AGREEING TO BE BOUND BY THE TE
AGREEMENT. IF YOU DO NOT AGREE TO THE TERMS OF THIS
IMMEDIATELY DISPOSE OF ANY SUCH DATA, INFORMATION, M
DERIVED PRODUCTS.
I. WHEREAS Canada is the owner of the data (the "Data")
terms and conditions of this Agreement;
II. AND WHEREAS the Licensee wishes to obtain certain
and conditions herein contained;
III. AND WHEREAS Canada represents that it has full au
desired by the Licensee on the terms and conditions herein co
IV. AND WHEREAS the parties hereto are desirous of entering into a licence agree
on the basis herein set forth.
NOW, THEREFORE, in consideration of the covenants contained in this Agreement, the
parties agree as follows:
1.0 DEFINITIONS
Natural Resources Canada
Ressources naturelles Canada
GeoGratis | GéoGratis
English
Important Notices
Français
Avis importants
Canada


METRIC
MÈTRIQUE
METRIC/MÈTRIQUE
L A K E O N T A R I O
L A C O N T A R I O
PU
TORONTO
CANADA UNITED STATES OF AMERICA
CANADA ÉTATS-UNIS D'AMÉRIQUE


Untitled - ArcMap
File Edit View Bookmarks Insert Selection Geoprocessing Customize Windows Help
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500
GPS
64%
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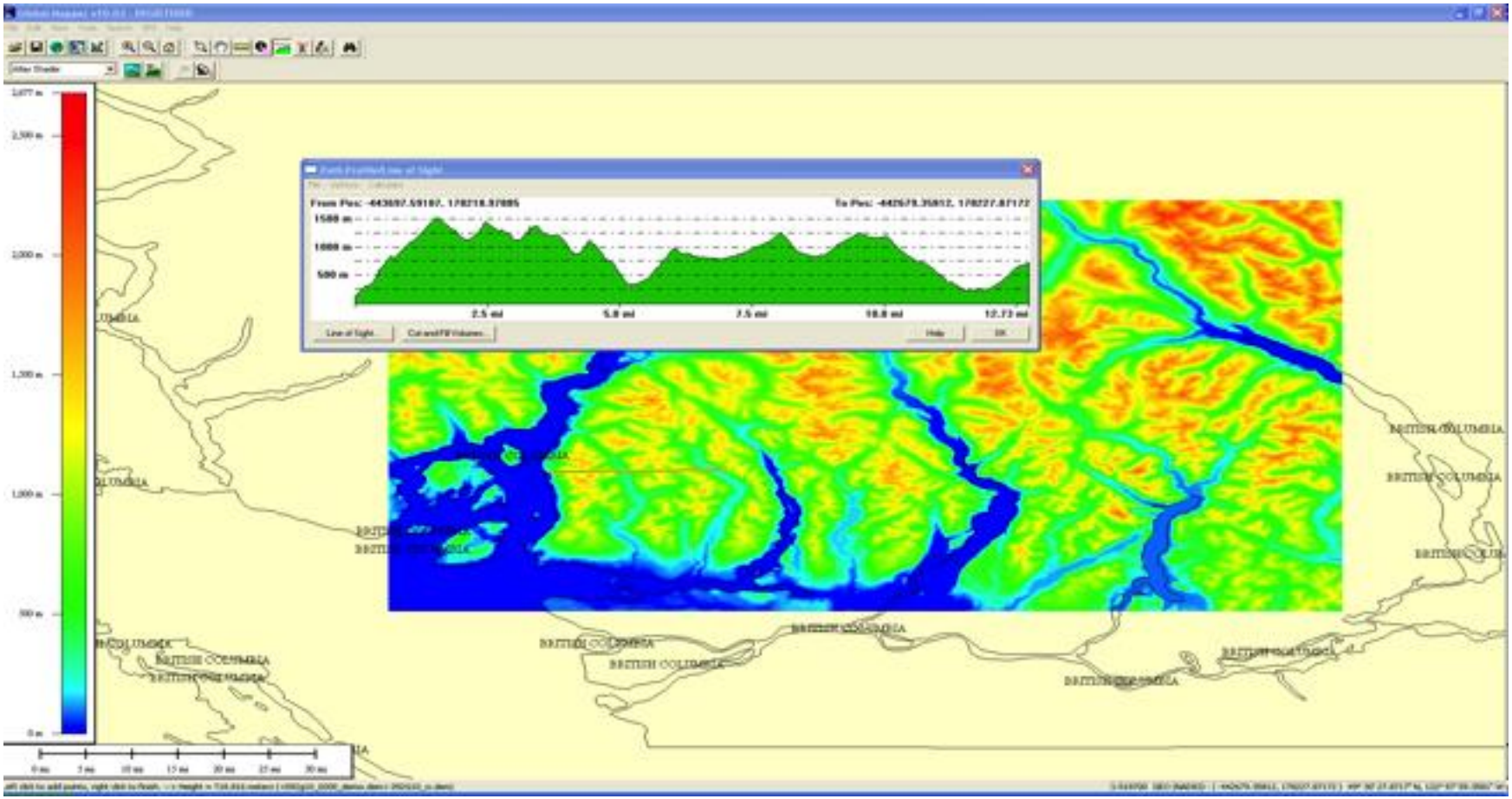
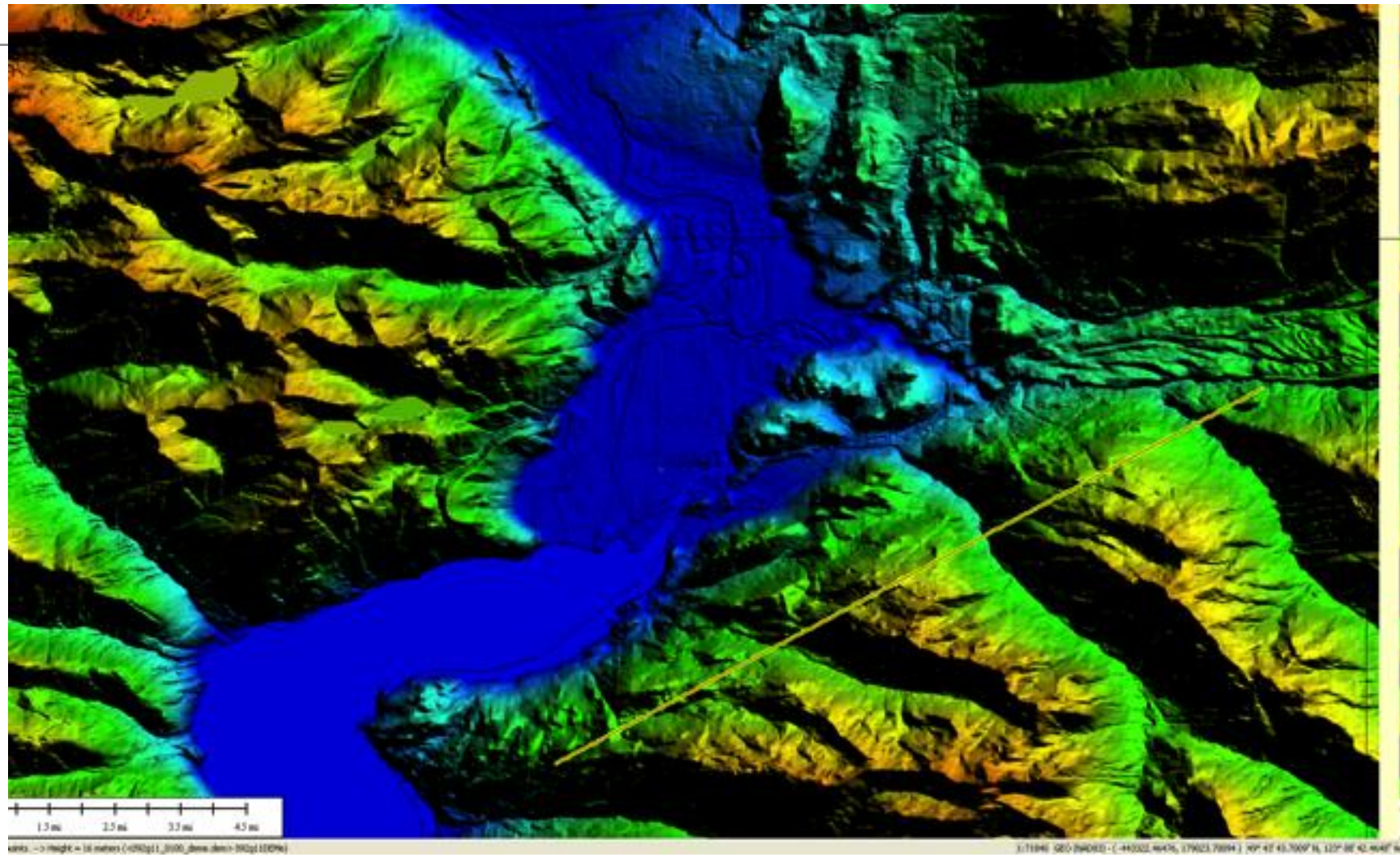
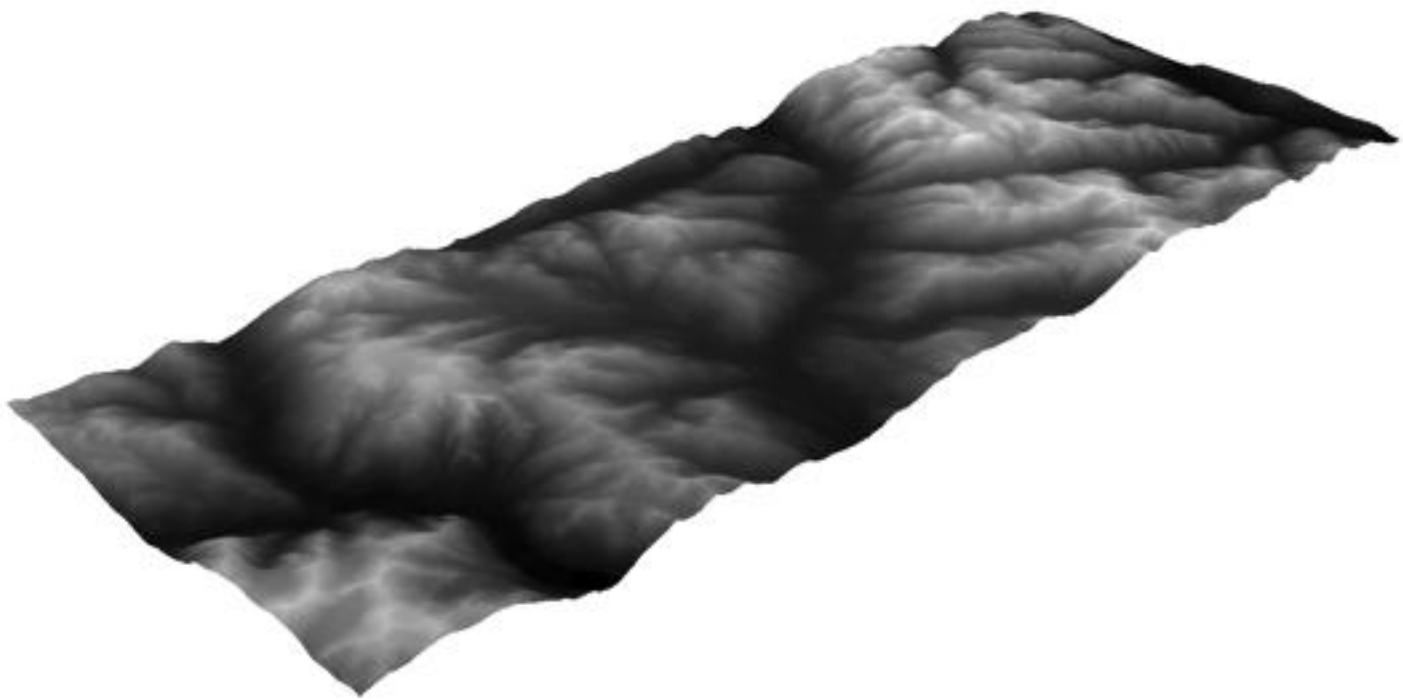
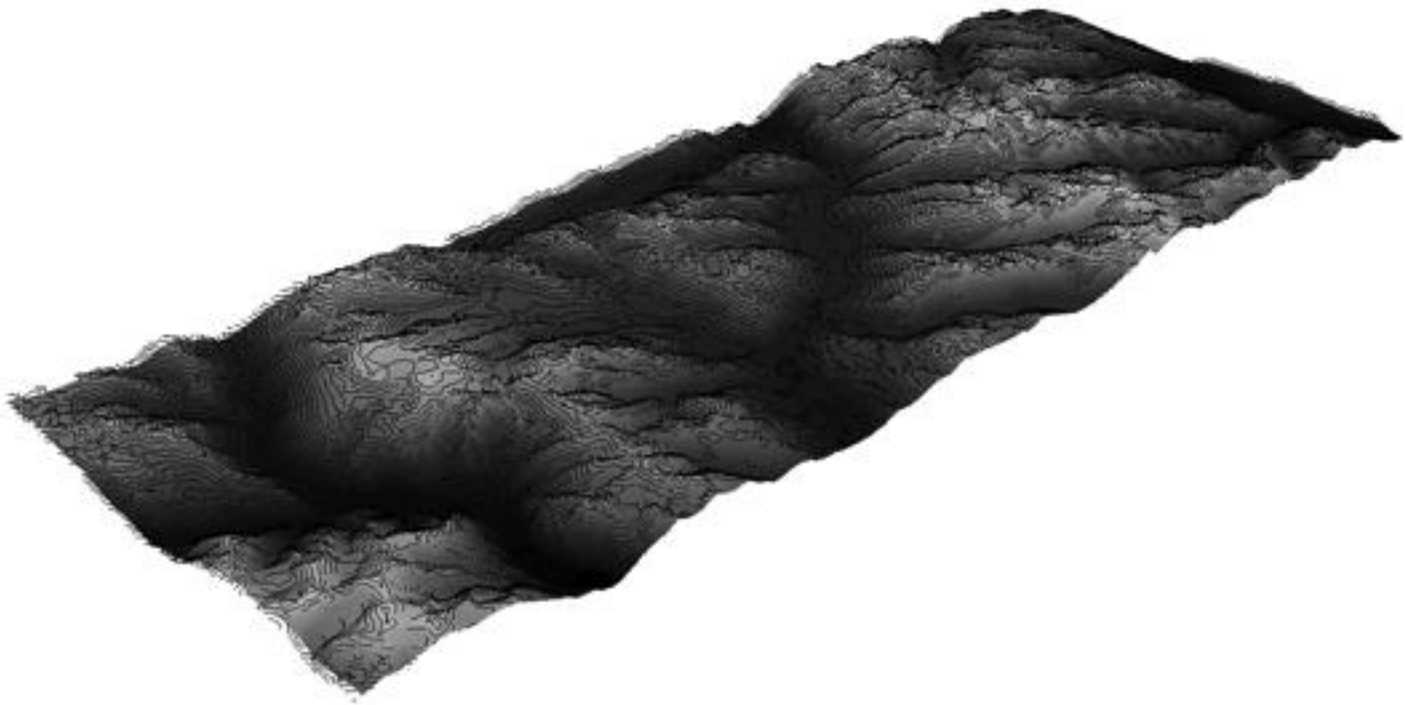
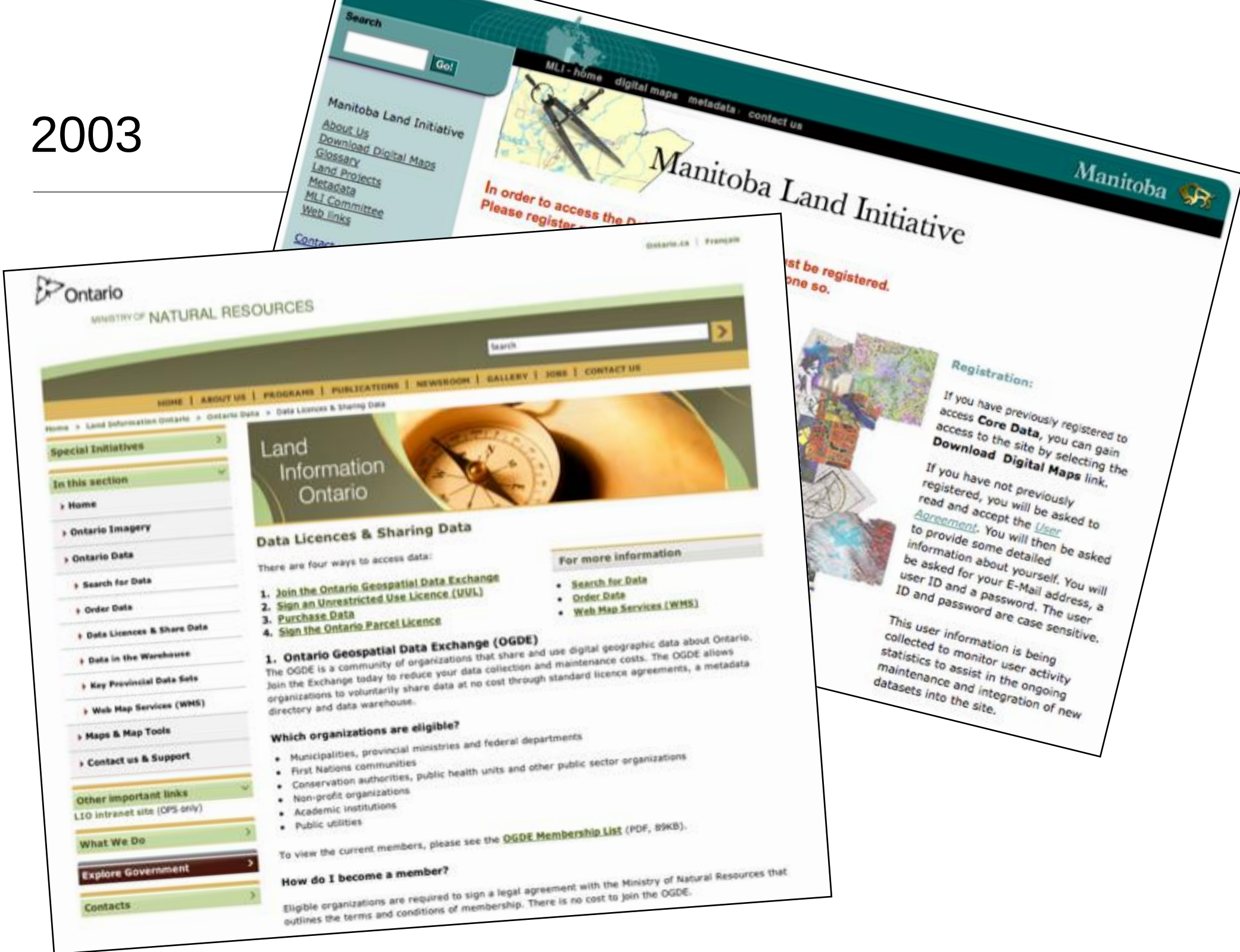

From Pos: -443697.59187, 178218.87885
To Pos: -442579.35812, 178227.87172
1500 m
1000 m
500 m
2.5 mi
5.0 mi
7.5 mi
10.0 mi
12.73 mi
Line of Sight
Cut and Fill Volumes...
Help
OK
BRITISH COLUMBIA







2003


Search
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Glossary
Land Projects
Metadata
MLI Committee
Web links
MLI - home
digital maps
metadata
contact us
Manitoba
Manitoba Land Initiative
In order to access the D
Please register
st be registered.
one so.
Registration:
If you have previously registered to access Core Data, you can gain access to the site by selecting the Download Digital Maps link.
If you have not previously registered, you will be asked to read and accept the User Agreement. You will then be asked to provide some detailed information about yourself. You will be asked for your E-Mail address, a user ID and a password. The user ID and password are case sensitive.
This user information is being collected to monitor user activity statistics to assist in the ongoing maintenance and integration of new datasets into the site.
Ontario
MINISTRY OF NATURAL RESOURCES
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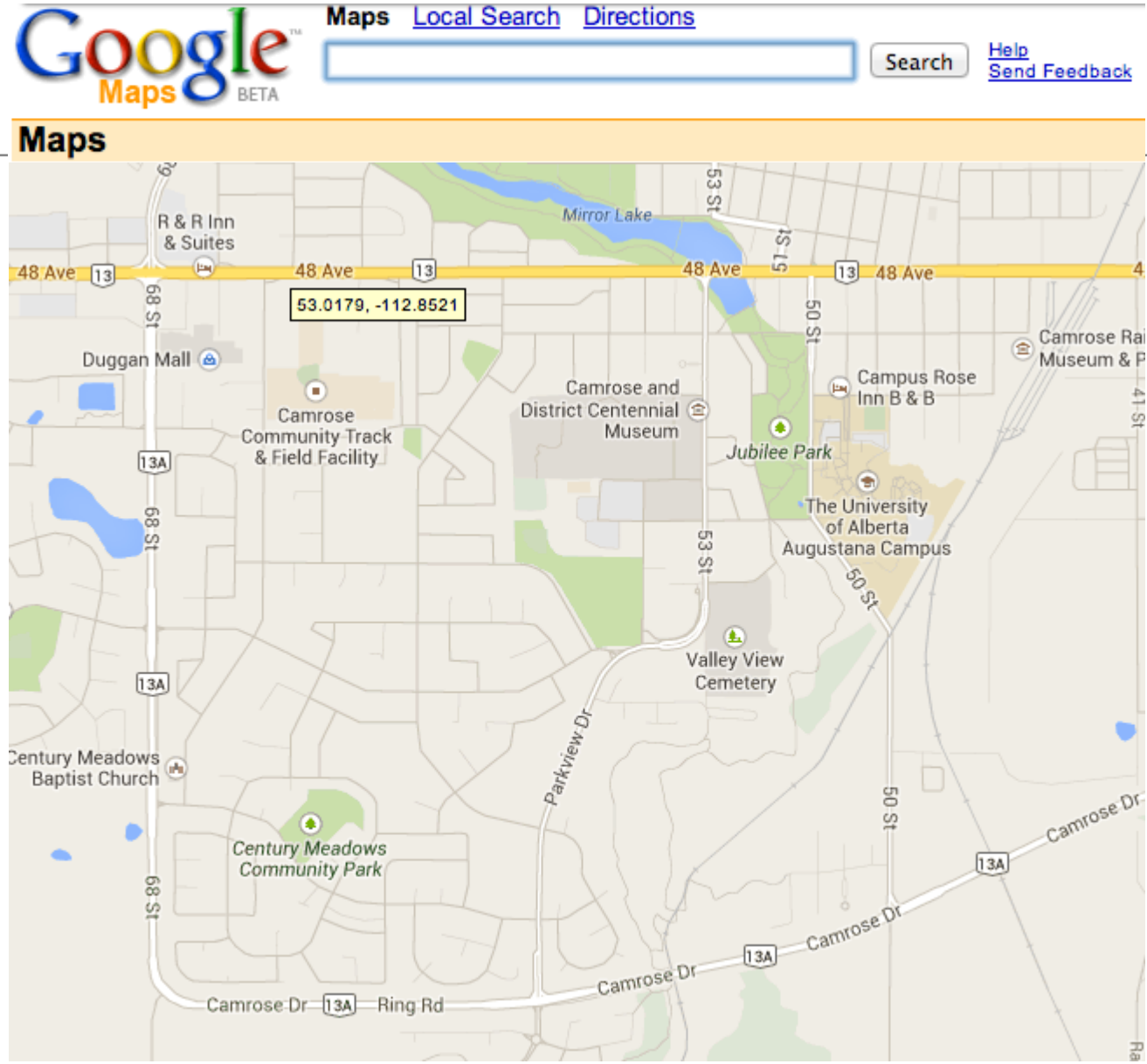
Data Licences & Share Data
Data in the Warehouse
Key Provincial Data Sets
Web Map Services (WMS)
Maps & Map Tools
Contact us & Support
Other important links
LIO intranet site (OPS only)
What We Do
Explore Government
Contacts
Land Information Ontario
Data Licences & Sharing Data
There are four ways to access data:
1. Join the Ontario Geospatial Data Exchange
2. Sign an Unrestricted Use Licence (UUL)
3. Purchase Data
4. Sign the Ontario Parcel Licence
For more information
Search for Data
Order Data
Web Map Services (WMS)
1. Ontario Geospatial Data Exchange (OGDE)
The OGDE is a community of organizations that share and use digital geographic data about Ontario. Join the Exchange today to reduce your data collection and maintenance costs. The OGDE allows organizations to voluntarily share data at no cost through standard licence agreements, a metadata directory and data warehouse.
Which organizations are eligible?
Municipalities, provincial ministries and federal departments
First Nations communities
Conservation authorities, public health units and other public sector organizations
Non-profit organizations
Academic institutions
Public utilities
To view the current members, please see the OGDE Membership List (PDF, 89KB).
How do I become a member?
Eligible organizations are required to sign a legal agreement with the Ministry of Natural Resources that outlines the terms and conditions of membership. There is no cost to join the OGDE.

2005


Google Maps BETA
Maps
Local Search
Directions
Search
Help
Send Feedback
Maps
R & R Inn & Suites
Mirror Lake
48 Ave
13
53.0179, -112.8521
53 St
51 St
50 St
68 St
Duggan Mall
Camrose Community Track & Field Facility
Camrose and District Centennial Museum
Campus Rose Inn B & B
Jubilee Park
The University of Alberta Augustana Campus
13A
Valley View Cemetery
Parkview Dr
Century Meadows Baptist Church
Century Meadows Community Park
Camrose Dr
Ring Rd

1997


Fast Track:
•Maps
•Driving directions
•Plan a trip- TravelPlan USA
•FREE Membership
•Shop now
•Share maps & tips
•Plan your move- MoveQuest
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•Take our survey
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•Press information
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MAPQUEST
Explore the world with the #1 consumer travel site!*
FIND IT
Let's Go!
Check out:
• Interactive Atlas (Maps)
• TripQuest (Driving directions)
• TravelPlan USA (Plan a trip with Mobil Travel Guide)
GET MORE INFO
Let's Go!
Get more information on:
• Free membership • MoveQuest
• Shop for merchandise • Contest
• Share maps & tips • Survey
LEARN ABOUT
Let's Go!
Learn about:
• Advertising • Clients
• Mapping services • Press info
It's a moving experience!
Find your dream home:
•Browse daily MLS Listings
•Zoom in to street maps
•Interactive Moving Calendar
•School reports and more!
Feel at home in a new neighborhood:
•LOCAL information.
•Schools
•Housing Costs
•Crime Areas and more!
Make a move: click HERE to visit MoveQuest.
[Help] [About] [Feedback] [FAQ] [What's New] [Home]
Copyright 1996-97 | GeoSystems Global Corporation

2005

The world is your JavaScript-enabled oyster

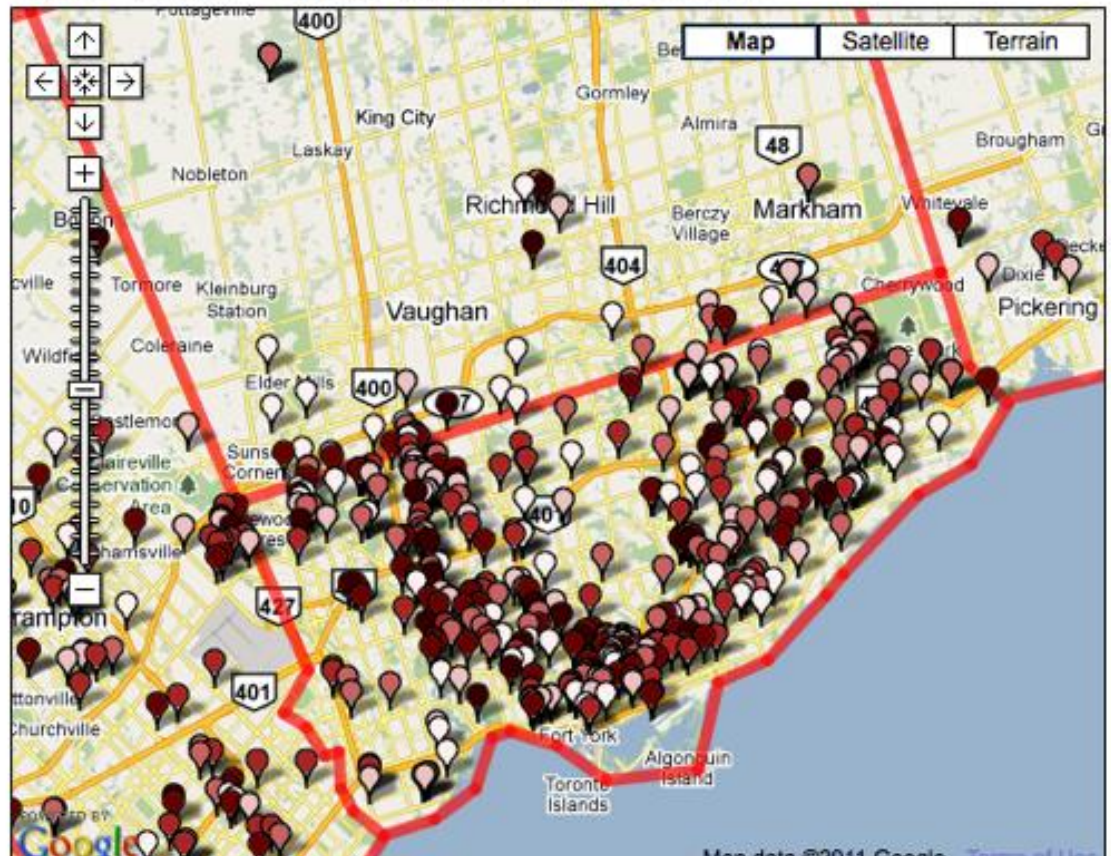
Posted: Wednesday, June 29, 2005

Posted by Bret Taylor, Google Maps Product Manager

If you like Google Maps, but think you could do something better, now's your chance. Check out the Google Maps API, which lets web developers put Google Maps on their own sites, just like housingmaps.com and chicagocrime.org. You can also reach out to other API developers and the Google Maps team in the API discussion group.

Homicides in the GTA, 2005-10

2010 ☑ 2009 ☑ 2008 ☑ 2007 ☑ 2006 ☑ 2005 ☑



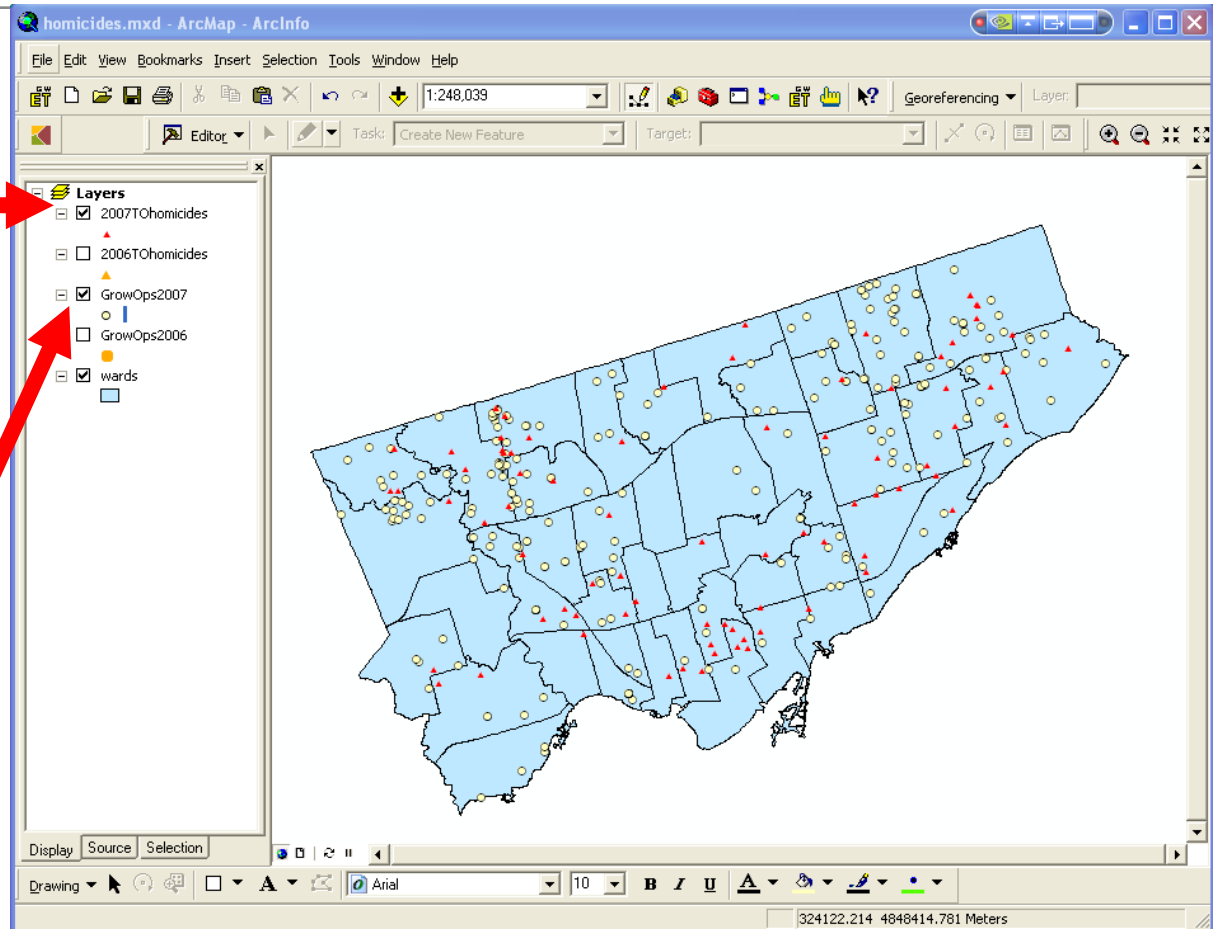
Age
Gender
Type
2005
2006
2007
2008
2009
2010

2010 HOMICIDES TORONTO

1. Kevon Philip
   24, M
   Date: Jan. 2, 2010
   Details: Not released
2. Vincent Wright
   19, M
   Date: Jan. 7, 2010
   Details: Shooting
3. Not released
   43, M
   Date: Jan. 24, 2010
   Details: Beating


thestar.com
Homicides in the GTA, 2007
Click on the markers below or consult the list at the side for more information.
Sort by...
Browse by Region
TORONTO
Address search:


thestar.com
Marijuana grow operations
A map of grow operations discovered in Toronto in 2007
Houses
Apartments
Source: Toronto Police
Address search:


homicides.mxd - ArcMap - ArcInfo
File Edit View Bookmarks Insert Selection Tools Window Help
1:248,039
Georeferencing
Editor
Task: Create New Feature
Target:
Layers
2007TOhomicides
2006TOhomicides
GrowOps2007
GrowOps2006
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Display Source Selection
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Arial
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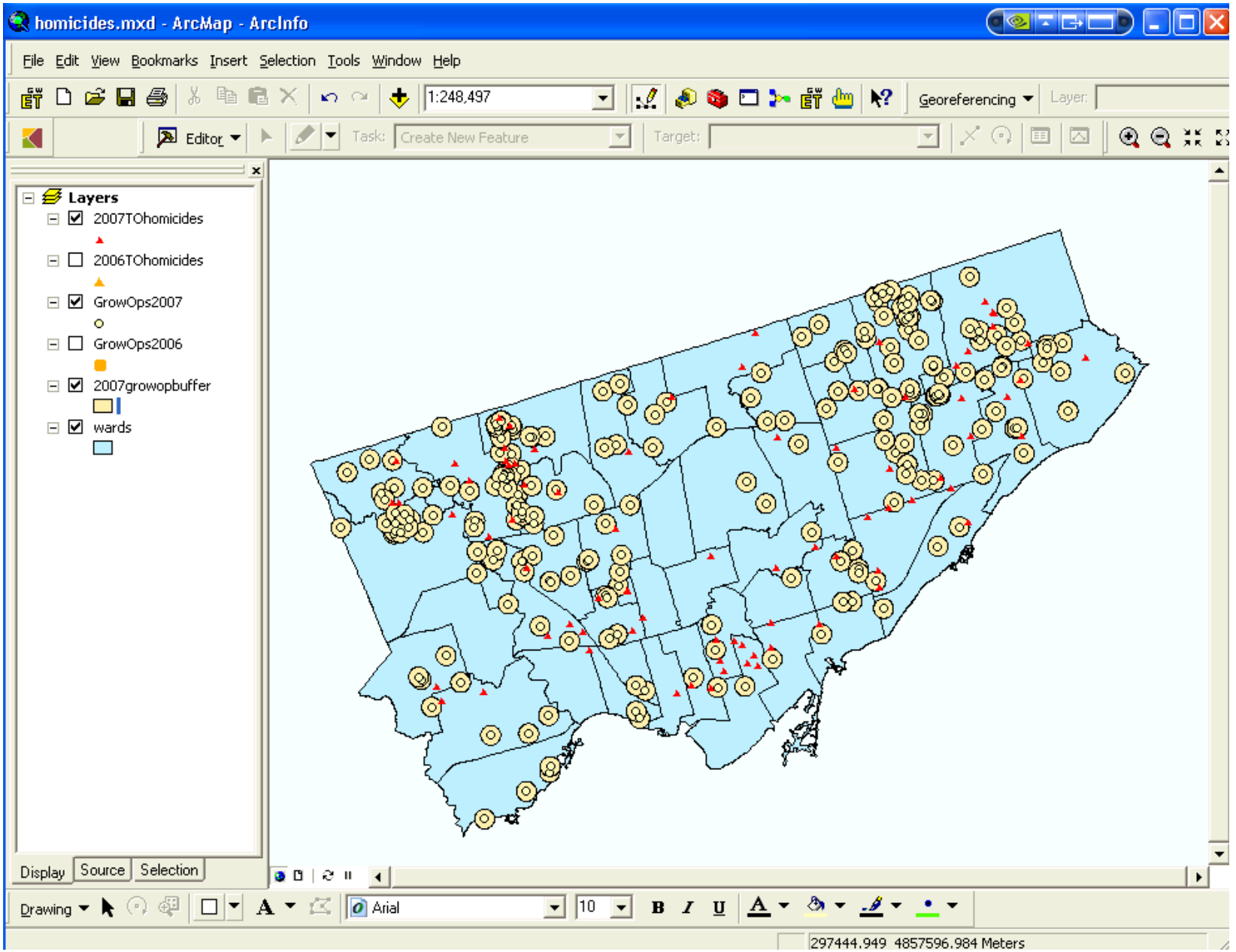
324122.214 4848414.781 Meters


homicides.mxd - ArcMap - ArcInfo
File Edit View Bookmarks Insert Selection Tools Window Help
1:248,497
Georeferencing
Layer:
Editor
Task: Create New Feature
Target:
Layers
2007TOhomicides
2006TOhomicides
GrowOps2007
GrowOps2006
2007growopbuffer
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Display Source Selection
Drawing
Arial
10
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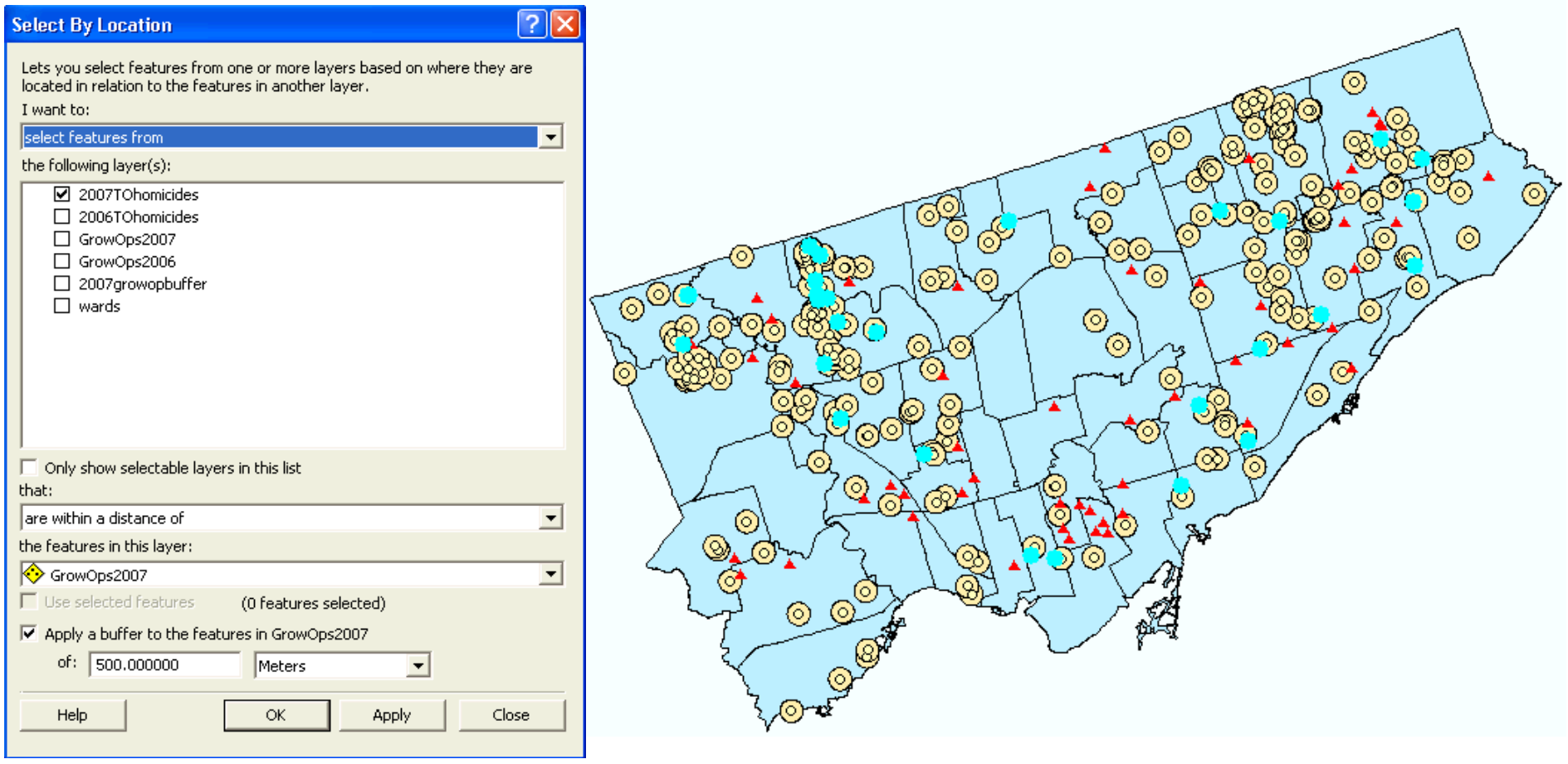
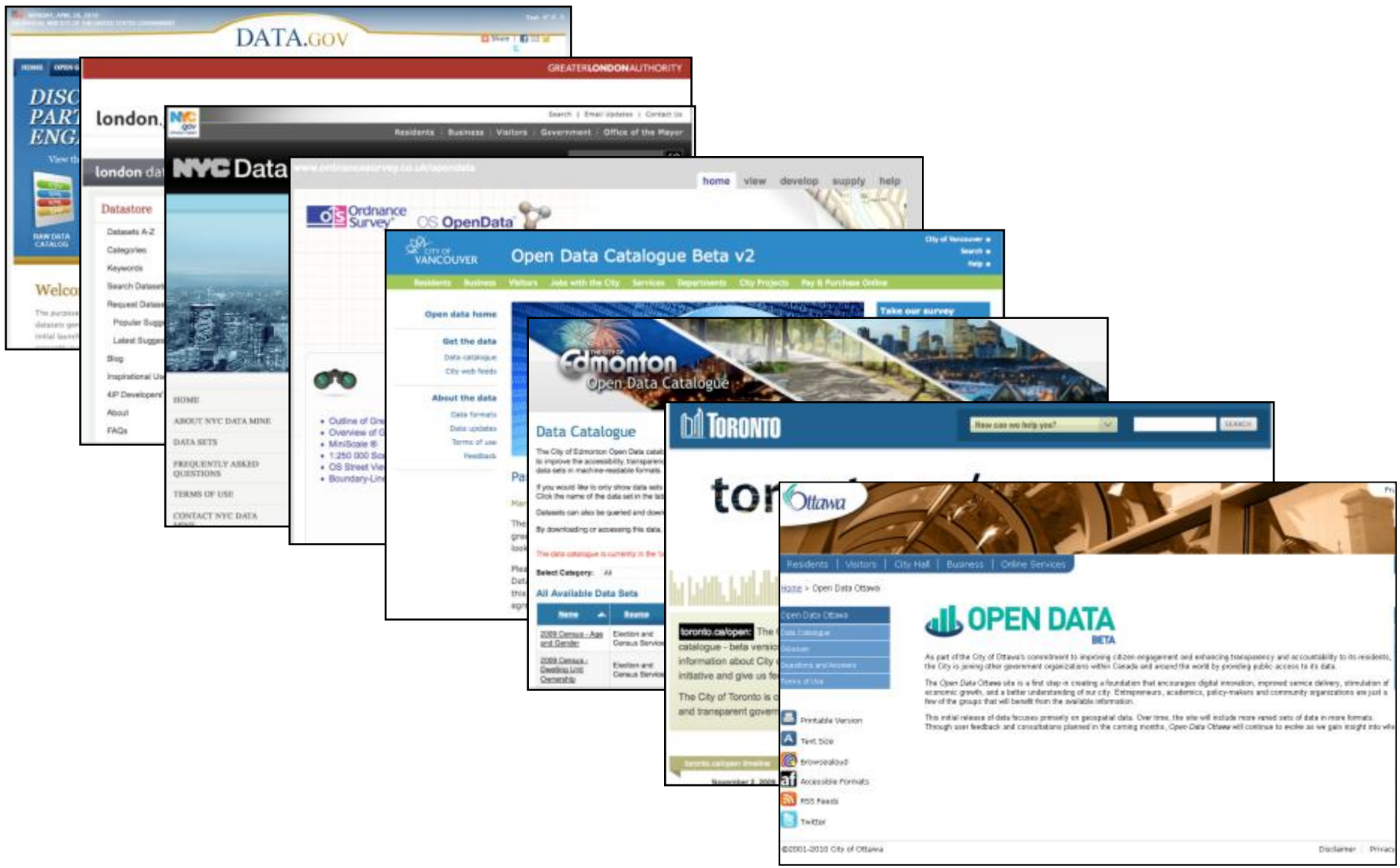
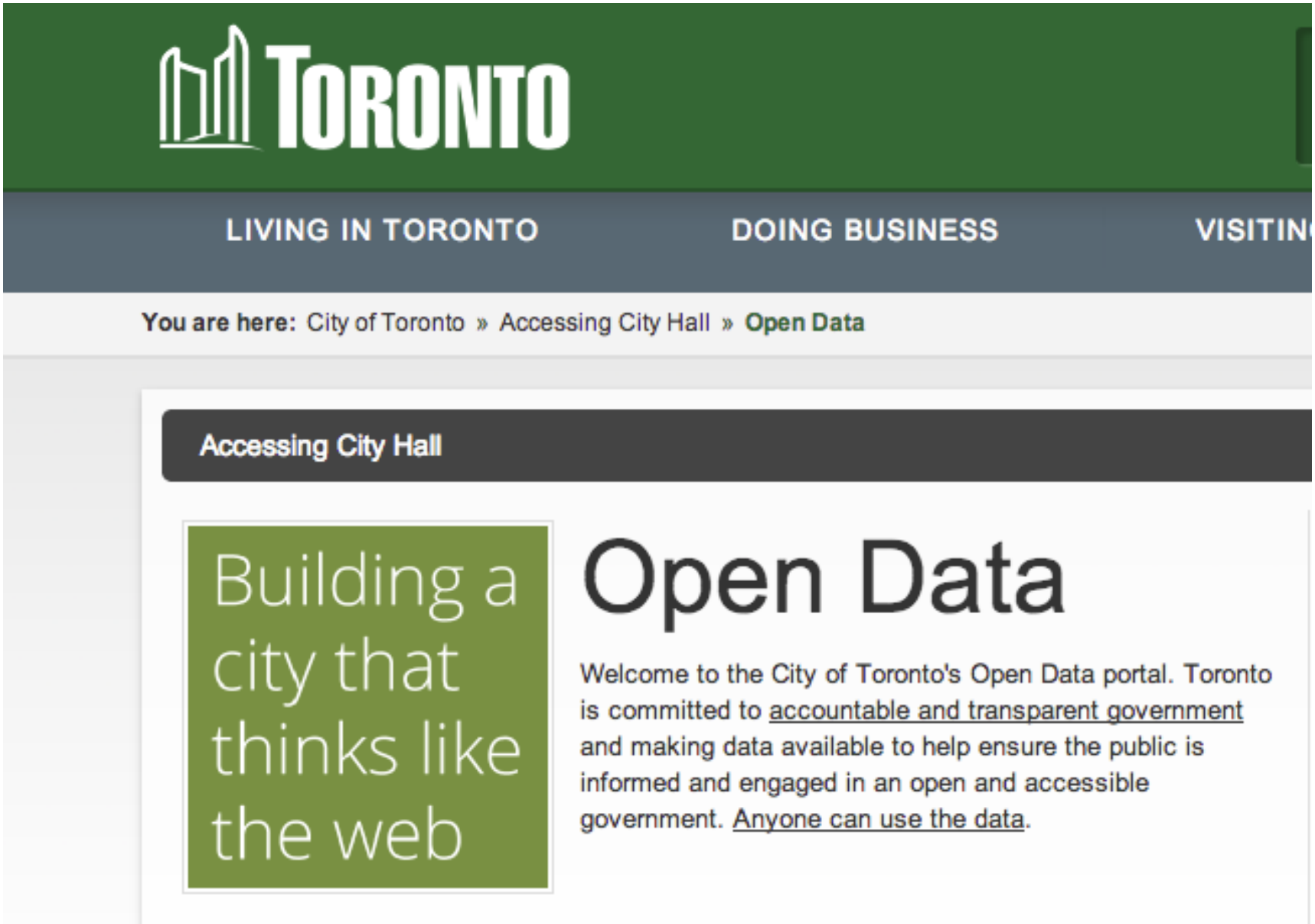

Select By Location
Lets you select features from one or more layers based on where they are located in relation to the features in another layer.
I want to:
select features from
the following layer(s):
2007TOhomicides
2006TOhomicides
GrowOps2007
GrowOps2006
2007growopbuffer
wards
Only show selectable layers in this list
that:
are within a distance of
the features in this layer:
GrowOps2007
Use selected features
(0 features selected)
Apply a buffer to the features in GrowOps2007
of:
500.000000
Meters
Help
OK
Apply
Close

2009/10 – Open Data Revolution



Everything open? – Everything available?



Your City

- Fraud, Waste Hotline
- Office of Equity, Diversity and Human Rights
- Toronto facts
- Toronto history
- Toronto images
- Municipal Code & bylaws
- **Toronto Maps**
  - **Toronto Maps Catalogue**
  - Other Toronto Maps
  - FAQs
  - Glossary

Property Data Maps

The City's Property Data Map (PDM) Series is a hybrid product, combining elements of topographic, parcel mapping, the One Addres Repository (OAR) and Toronto Street Centreline (TCL). The PDM series provides a base for thematic mapping services and other published hardcopy products.

The PDM depicts the following features: building envelopes, railway lines, major watercourses, curbs, catchbasins, hydrants, streetlights/poles, municipal addresses, street names, park names, property lines, street lines, and right of way boundaries

Tiling Scheme: Concession
Sub-Block Map Area: Varies up to 1.18 km2
Total Map: 921 maps
Coordinate System: MTM NAD 27
Black and White Map

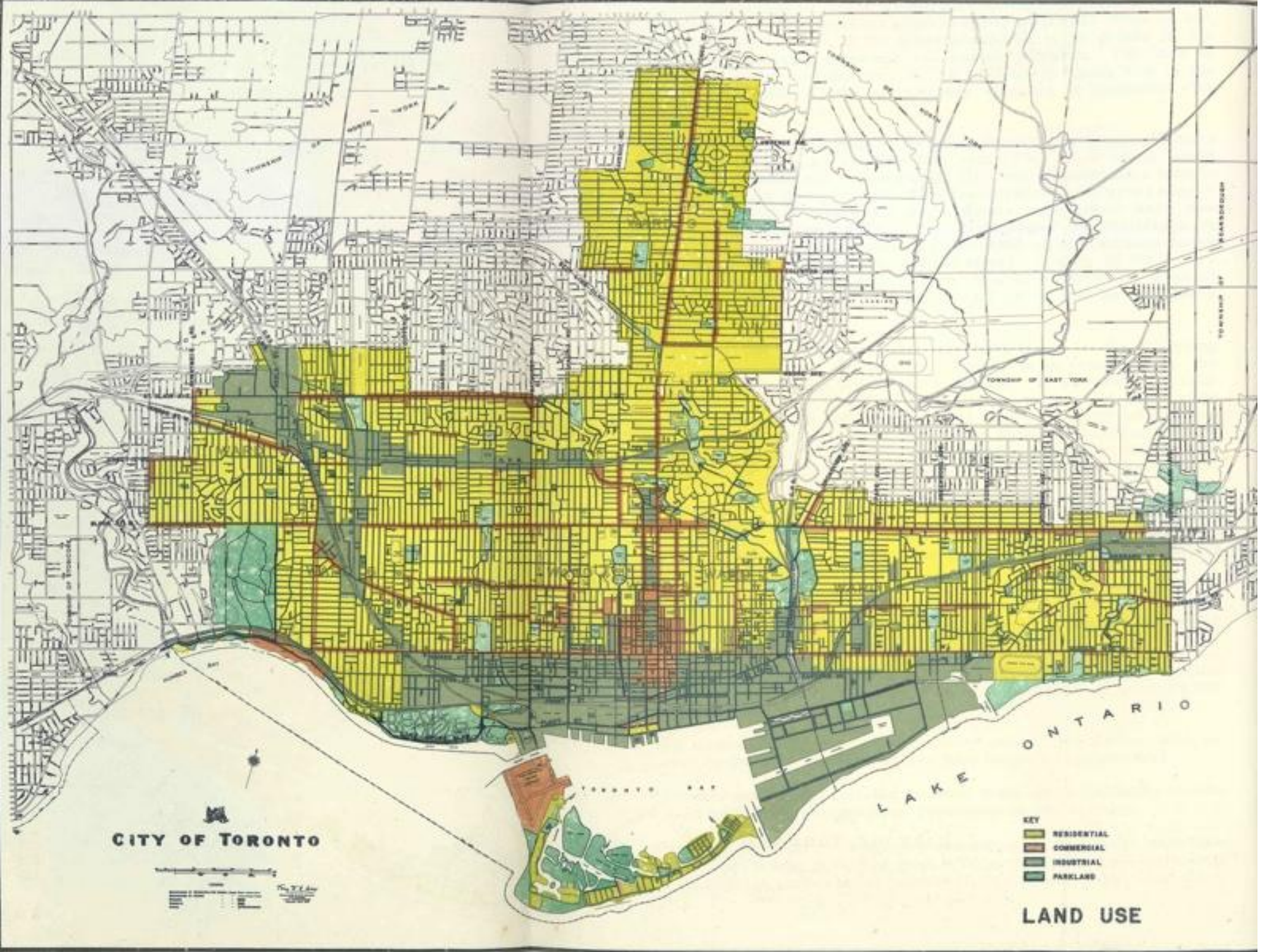
Format:	Price
DGN, DXF, DWG	$100.00 /map
PDF (11"x17") (1:4000)	$4.00 /map

Property Data Maps - Toronto 2012

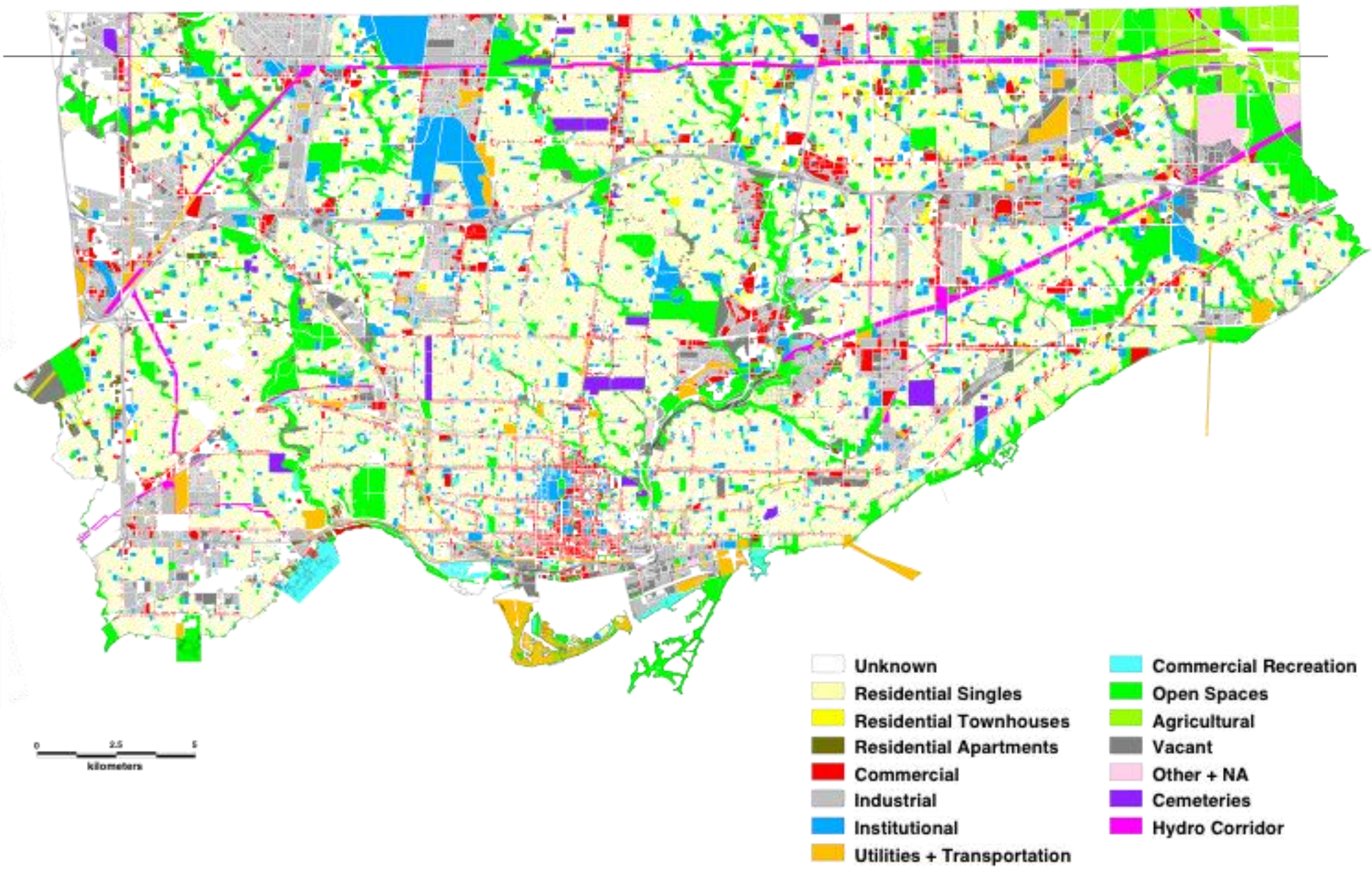
Zoom in to the polygon of the area you need, click on the polygon area and follow the link to the CAD and PDF files for the area chosen

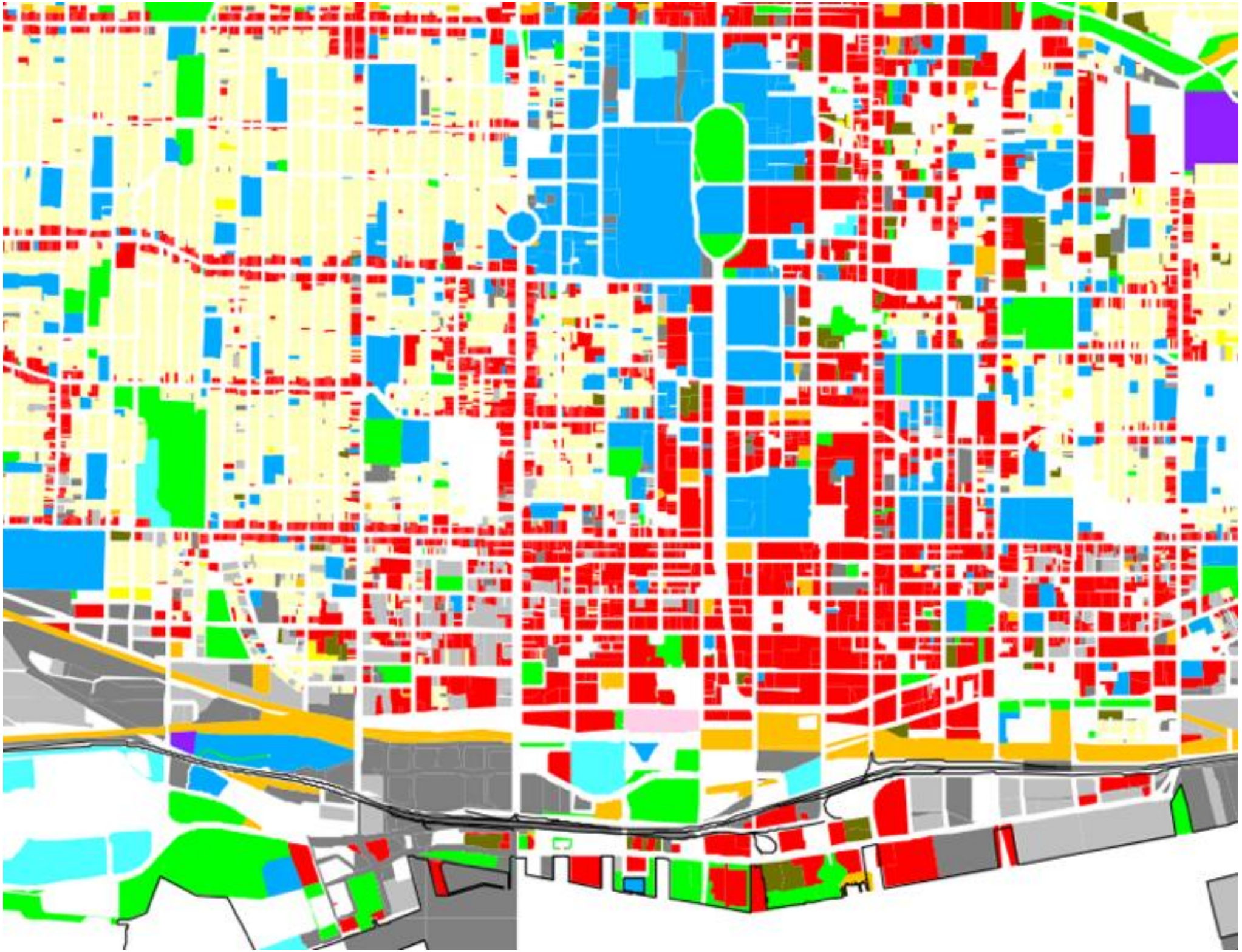
Conditions of Use:

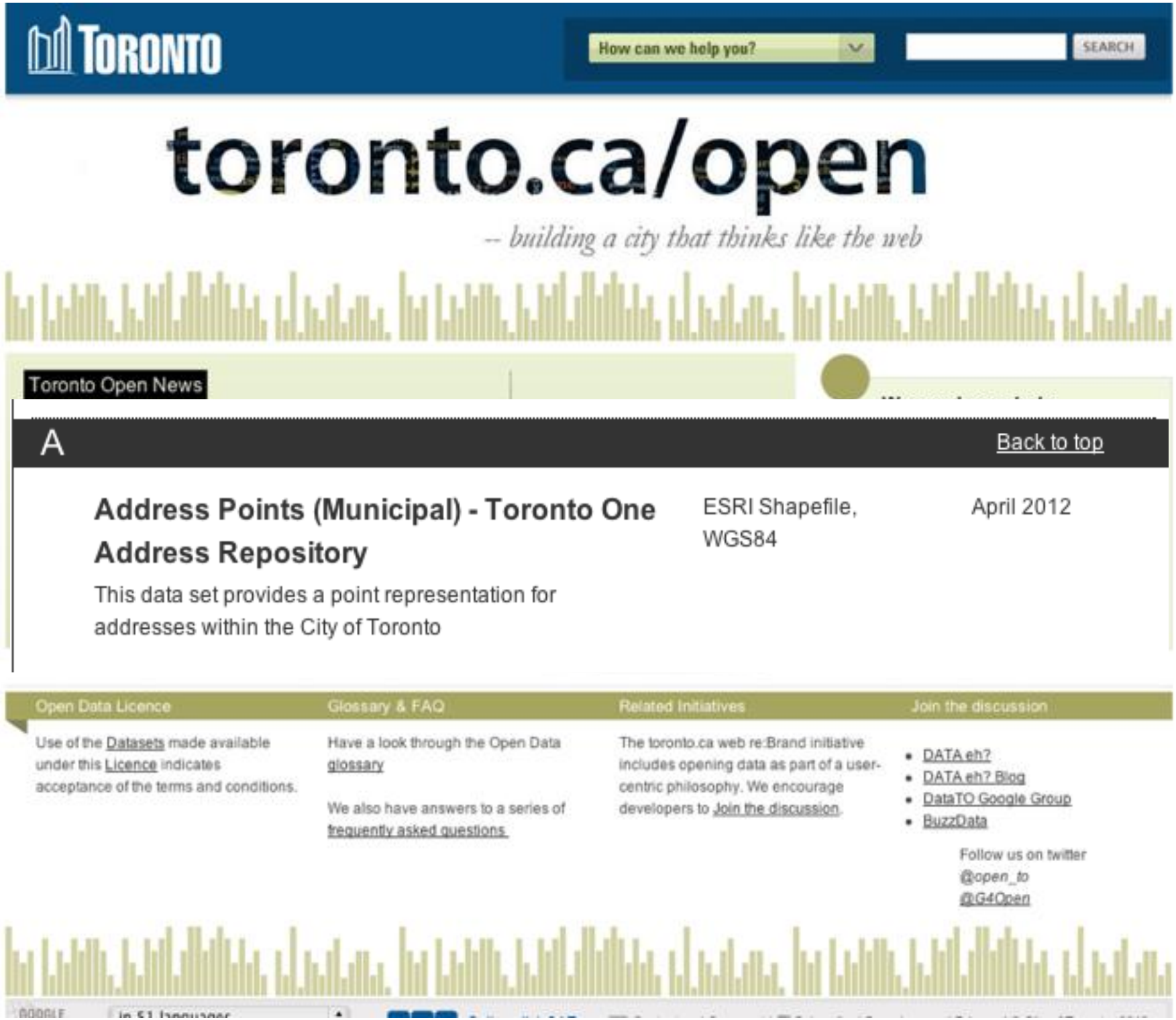
University of Toronto faculty, staff, or students for academic use only

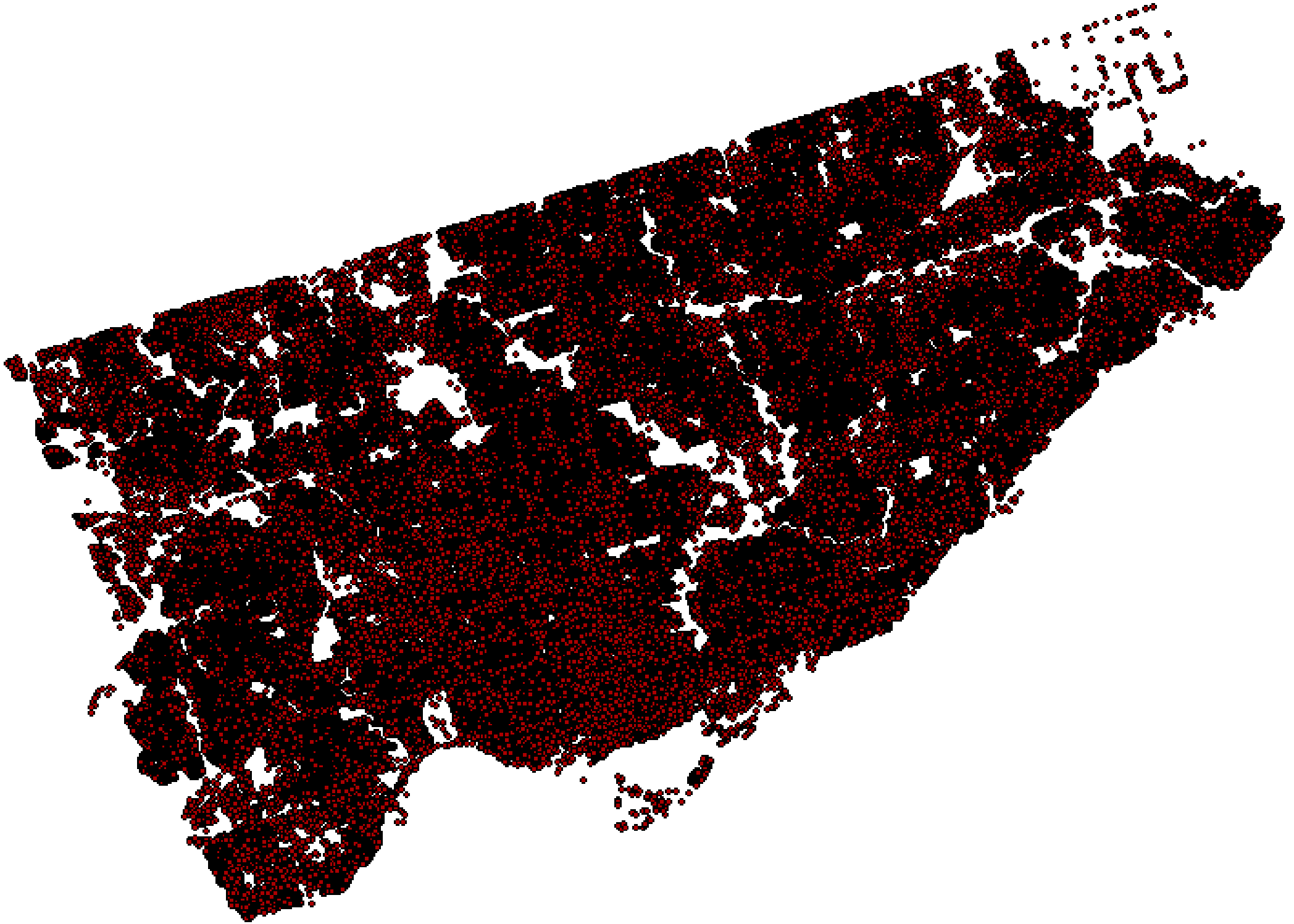

CITY OF TORONTO
LAKE ONTARIO
KEY
RESIDENTIAL
COMMERCIAL
INDUSTRIAL
PARKLAND
LAND USE

Generalized Land Uses by Parcel






TORONTO
How can we help you?
SEARCH
toronto.ca/open
-- building a city that thinks like the web
Toronto Open News
A
Back to top
Address Points (Municipal) - Toronto One Address Repository
This data set provides a point representation for addresses within the City of Toronto
ESRI Shapefile, WGS84
April 2012
Open Data Licence
Use of the Datasets made available under this Licence indicates acceptance of the terms and conditions.
Glossary & FAQ
Have a look through the Open Data glossary
We also have answers to a series of frequently asked questions
Related Initiatives
The toronto.ca web re:Brand initiative includes opening data as part of a user-centric philosophy. We encourage developers to Join the discussion.
Join the discussion
DATA.eh?
DATA.eh? Blog
DataTO Google Group
BuzzData
Follow us on twitter
@open_to
@G4Open



Table

toronto.ca/open/address_points

FID	Shape *	GEO_ID	ADDRESS	NAME	LF_NAME	FCODE_DESC	ARC_SIDE	DISTANCE	FCODE	LO_NUM	LO_NUM_SUF	HI
9353	Point	8327627	280		BELFIELD RD	Industrial Location	R	92.531	113001	280		
9504	Point	7196288	494		GILBERT AVE	Industrial Location	L	120.878	113001	494		
9504	Point	7196020	492		GILBERT AVE	Industrial Location	L	96.404	113001	492		
9504	Point	7196014	490		GILBERT AVE	Industrial Location	L	78.482	113001	490		
9505	Point	7195904	462-464		GILBERT AVE	Industrial Location	L	40.013	113001	462		
9505	Point	7195931	468		GILBERT AVE	Industrial Location	L	66.775	113001	468		
9505	Point	7195573	460		GILBERT AVE	Industrial Location	L	17.574	113001	460		
9516	Point	7195861	420		GILBERT AVE	Industrial Location	L	55.14	113001	420		
9718	Point	2023065	37		PRECISION RD	Industrial Location	R	144.269	113001	37		
9910	Point	2009839	755		PASSMORE AVE	Industrial Location	R	56.205	113001	755		
9954	Point	2007315	29		INGRAM DR	Industrial Location	R	220.138	113001	29		
9955	Point	2007320	8		CURITY AVE	Industrial Location	R	255.853	113001	8		
9955	Point	20400	6		CURITY AVE	Industrial Location	R	178.272	113001	6		
9983	Point	2014168	140		FINCHDENE SQ	Industrial Location	L	208.973	113001	140		
9984	Point	2014168	120		FINCHDENE SQ	Industrial Location	L	157.947	113001	120		
9987	Point	2014191	100		FINCHDENE SQ	Industrial Location	L	97.194	113001	100		
9988	Point	334399	80		FINCHDENE SQ	Industrial Location	L	48.472	113001	80		
1009	Point	870464	555		SPADINA RD	Industrial Location	R	88.736	113001	555		
1023	Point	1397525	61		BROWNS LINE	Industrial Location	R	79.058	113001	61		
1027	Point	1464617	25		LE PAGE CRT	Industrial Location	R	220.418	113001	25		
1029	Point	801700	85		ELM RIDGE DR	Industrial Location	L	0.362	113001	85		
1049	Point	5674695	2397		EGLINTON AVE W	Industrial Location	L	21.346	113001	2397		
1113	Point	800727	50-60		EGLINTON AVE W	Industrial Location	R	9.836	113001	50		
1135	Point	9171432	379-387		LIMESTONE CRES	Industrial Location	R	489.597	113001	379		
1135	Point	1397171	385		LIMESTONE CRES	Industrial Location	R	499.671	113001	385		
1135	Point	1397171	387		LIMESTONE CRES	Industrial Location	R	505.037	113001	387		
1180	Point	1411500	108		WOODBINE DOWN	Industrial Location	L	330.73	113001	108		

0 (0 out of 514141 Selected)

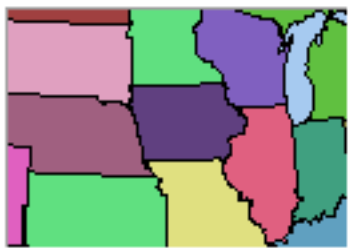
toronto.ca/open/address_points

Layer Properties

General | Source | Selection | Display | Symbology | Fields | Definition Query | Labels | Joins & Relates | Time | HTML Popup

Show:

- **Features**
- **Categories**
  - Unique values
  - Unique values, many
  - Match to symbols in a
- **Quantities**
- **Charts**
- **Multiple Attributes**



Draw categories using unique values of one field. Import...

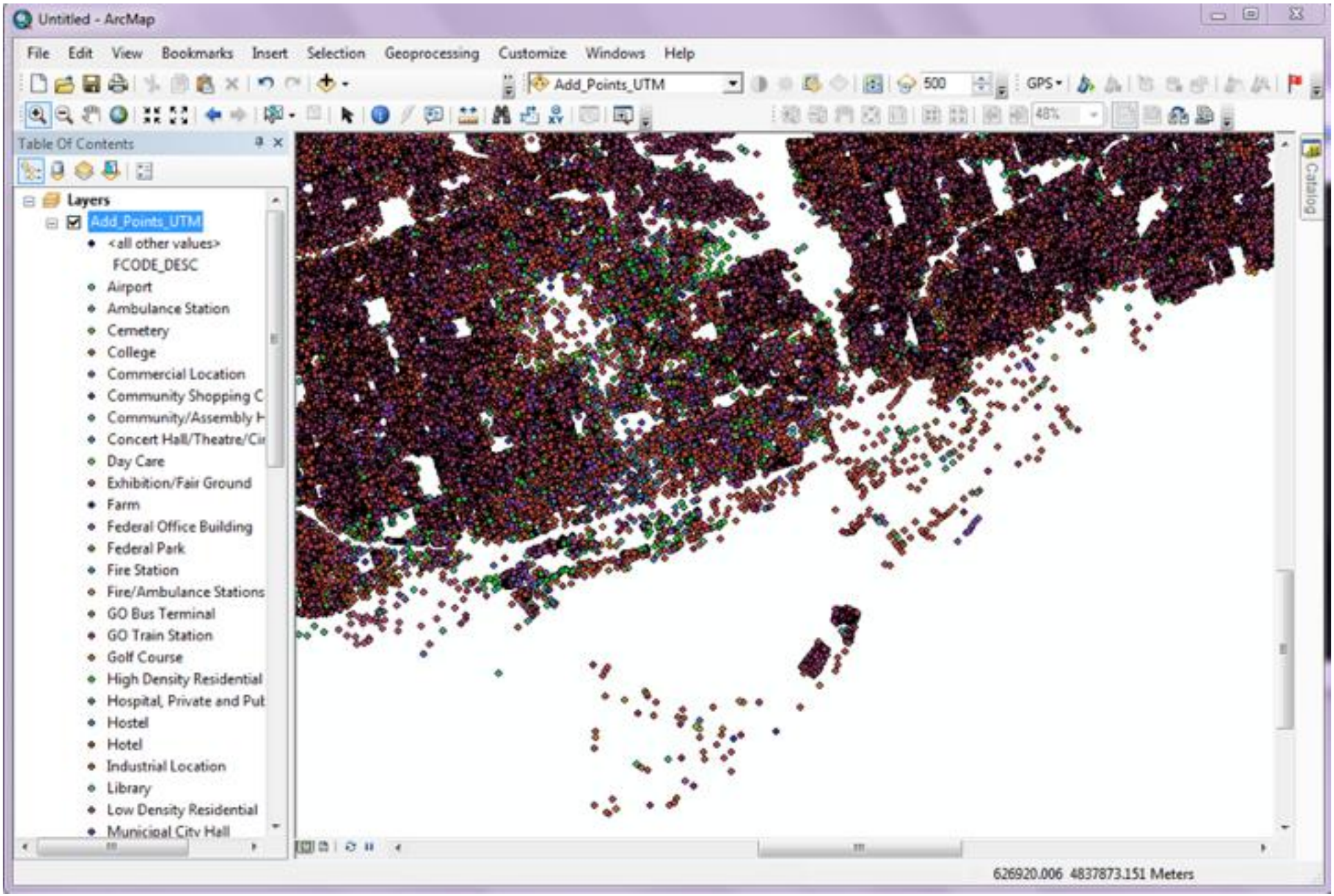
Value Field: FCODE_DESC

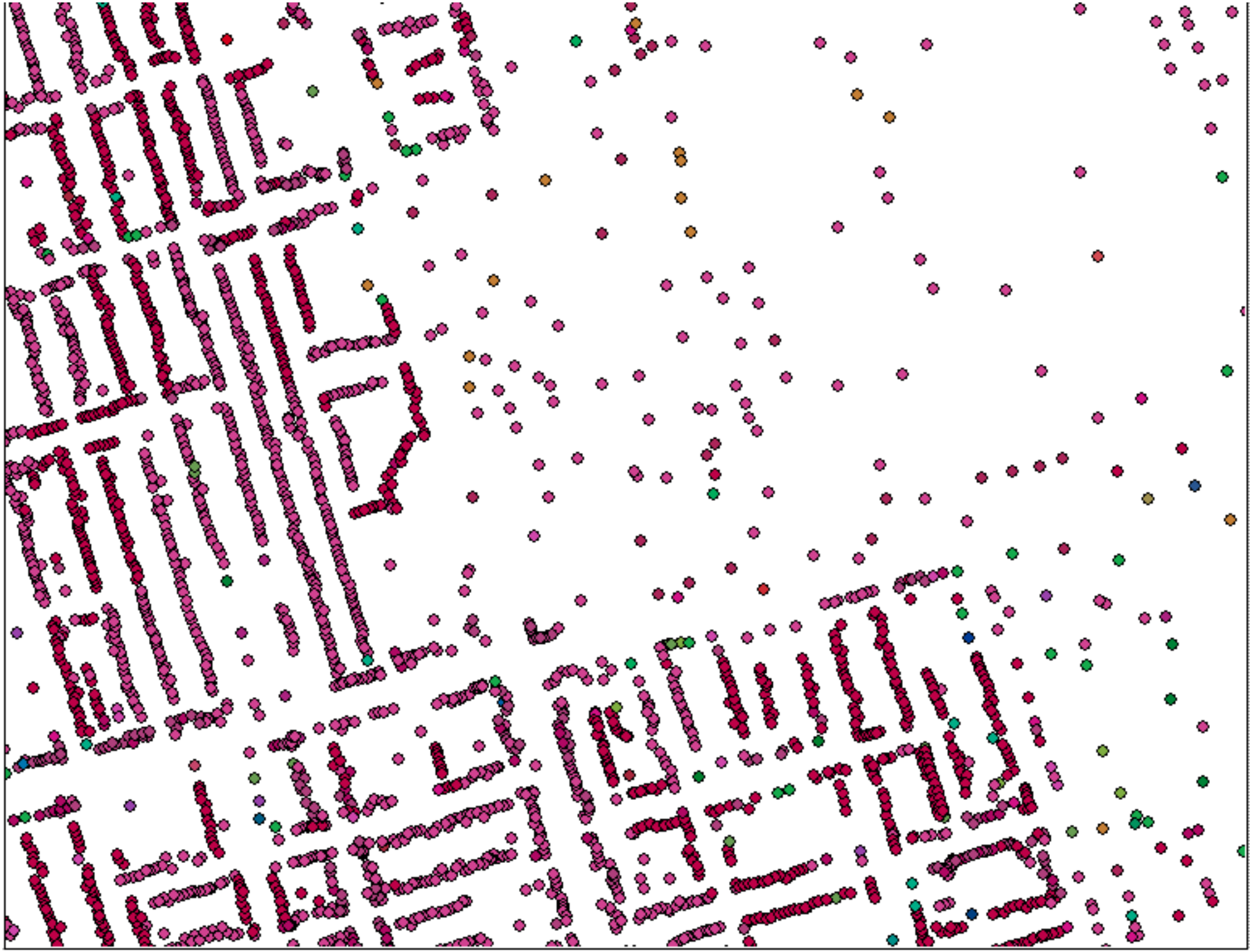
Color Ramp

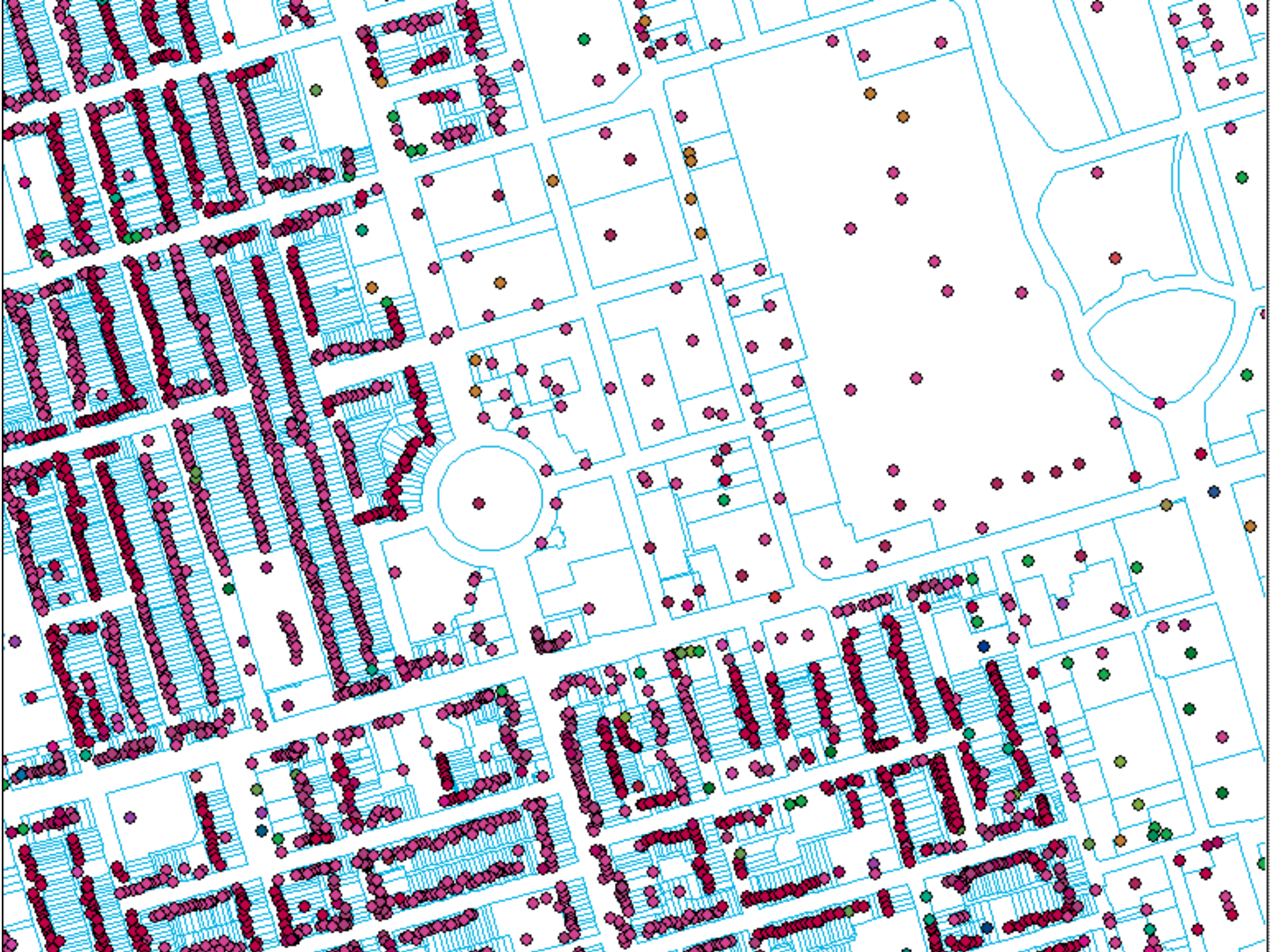
Symbol	Value	Label	Count
☑	<all other values>	<all other values>	0
	<Heading>	**FCODE_DESC**	**514141**
	Airport	Airport	3
	Ambulance Station	Ambulance Station	28
	Cemetery	Cemetery	77
	College	College	34
	Commercial Location	Commercial Location	6591
	Community Shopping Centre	Community Shopping Centre	35
	Community/Assembly Hall	Community/Assembly Hall	189
	Concert Hall/Theatre/Cinem	Concert Hall/Theatre/Cinem	34

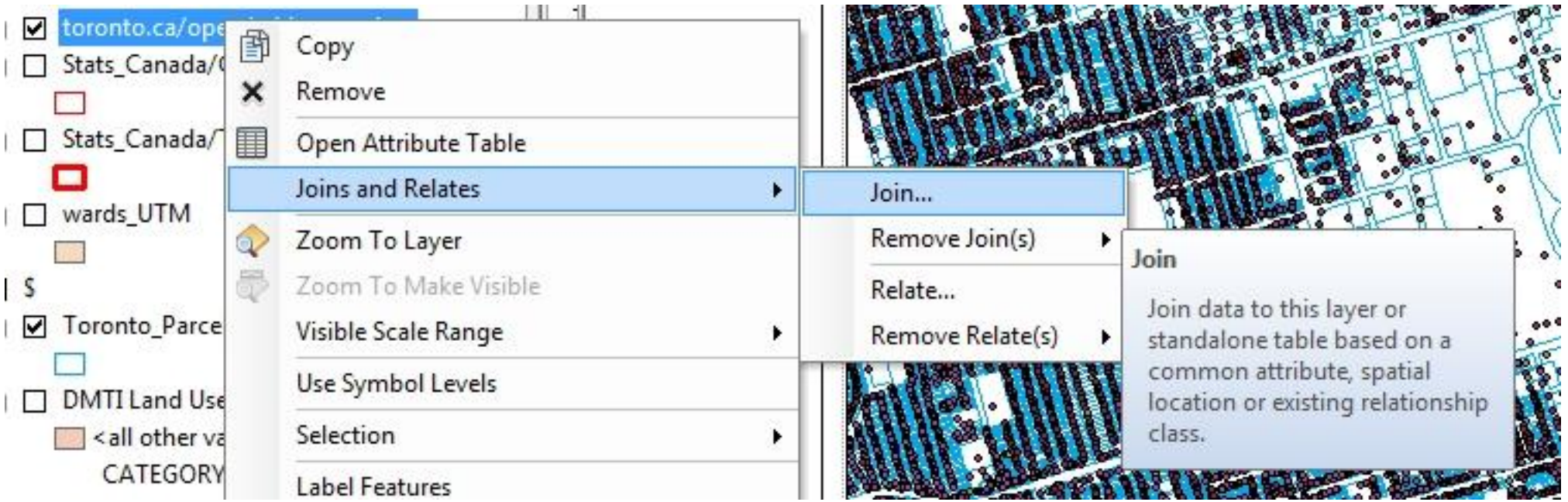
Add All Values | Add Values... | Remove | Remove All | Advanced

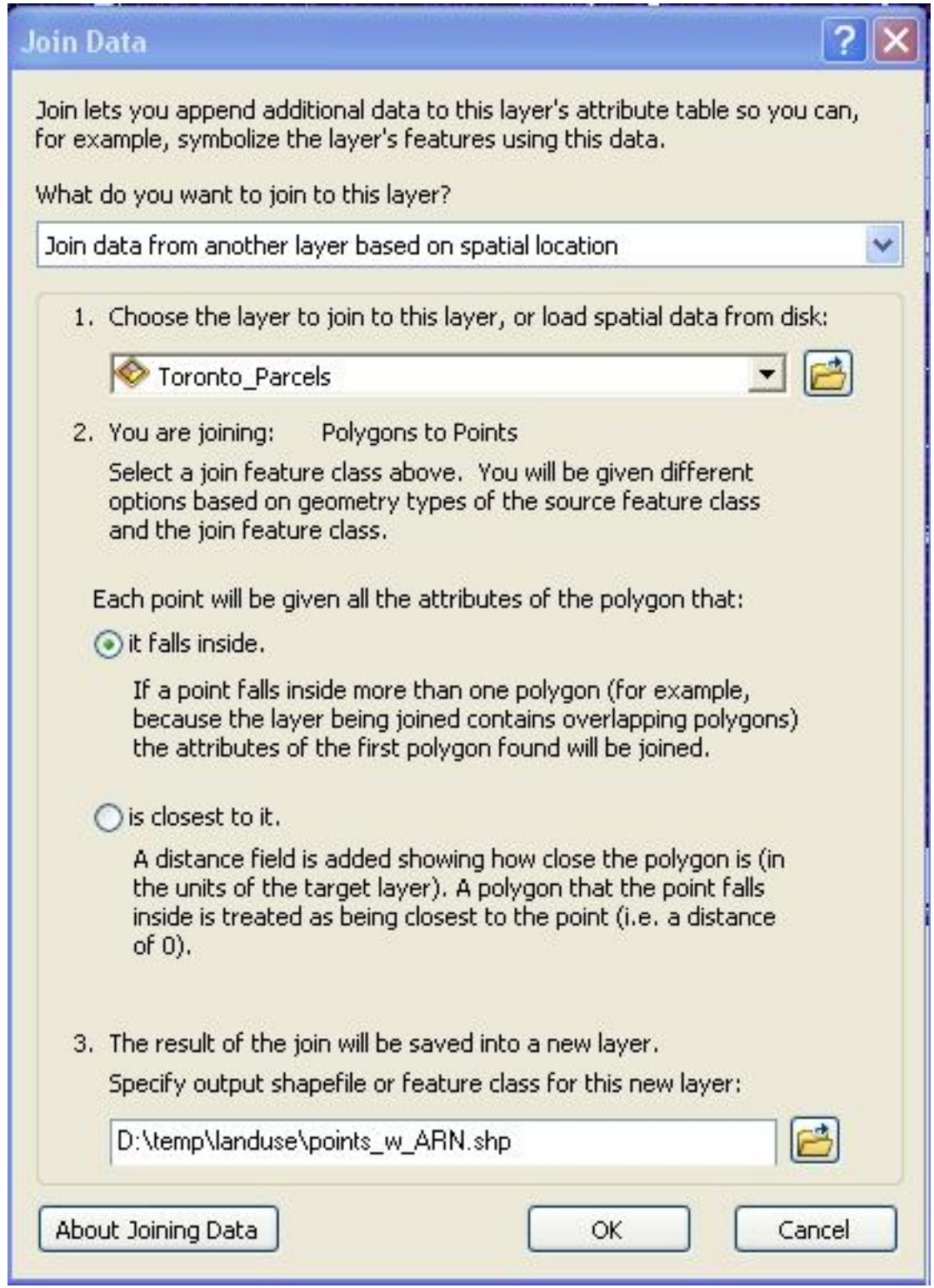
OK | Cancel | Apply


Untitled - ArcMap
File Edit View Bookmarks Insert Selection Geoprocessing Customize Windows Help
Add_Points_UTM
500
GPS
48%
Table Of Contents
Layers
Add_Points_UTM
<all other values>
FCODE_DESC
Airport
Ambulance Station
Cemetery
College
Commercial Location
Community Shopping C
Community/Assembly H
Concert Hall/Theatre/Ci
Day Care
Exhibition/Fair Ground
Farm
Federal Office Building
Federal Park
Fire Station
Fire/Ambulance Stations
GO Bus Terminal
GO Train Station
Golf Course
High Density Residential
Hospital, Private and Pub
Hostel
Hotel
Industrial Location
Library
Low Density Residential
Municipal City Hall
Catalog
626920.006 4837873.151 Meters

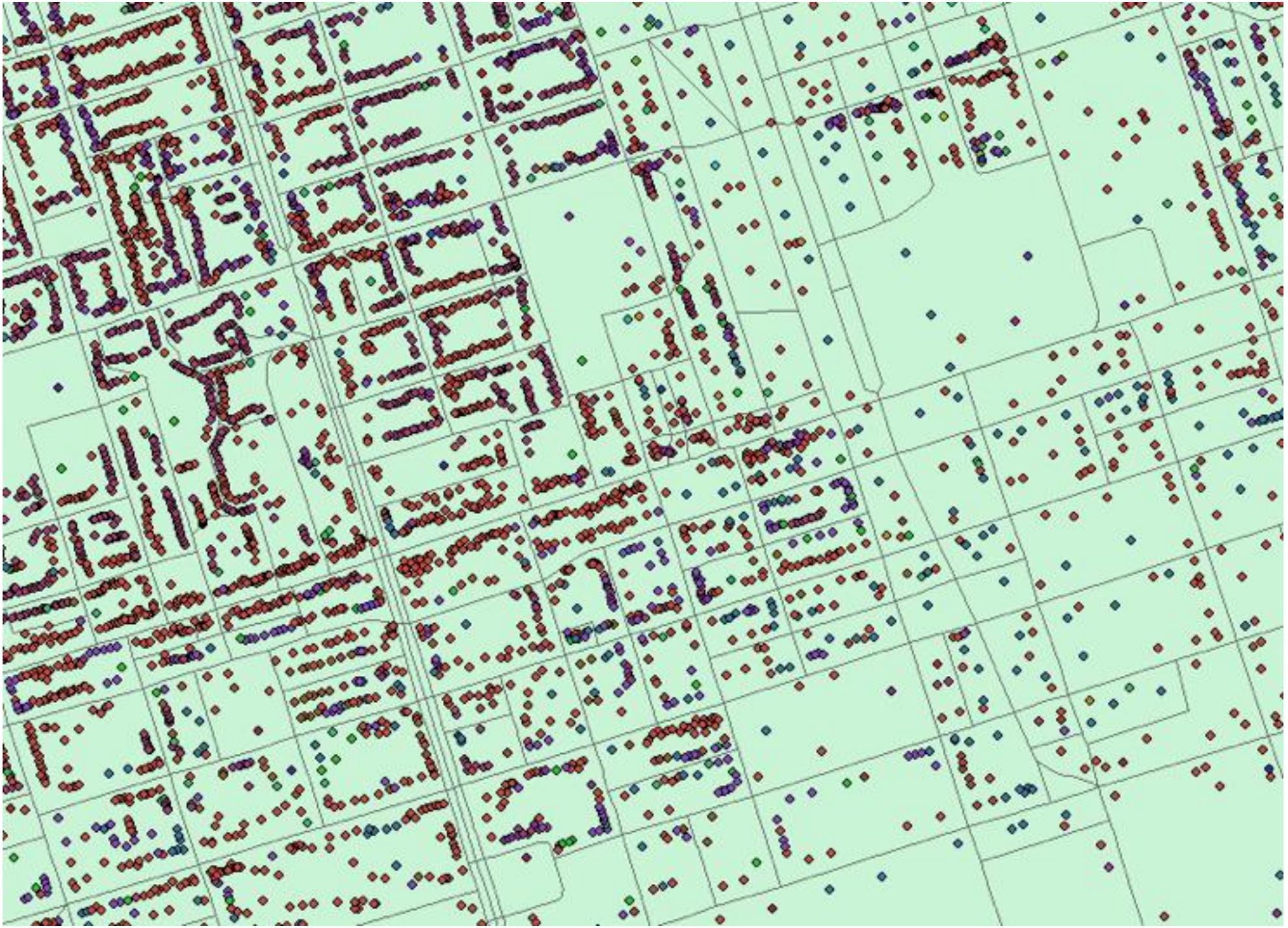


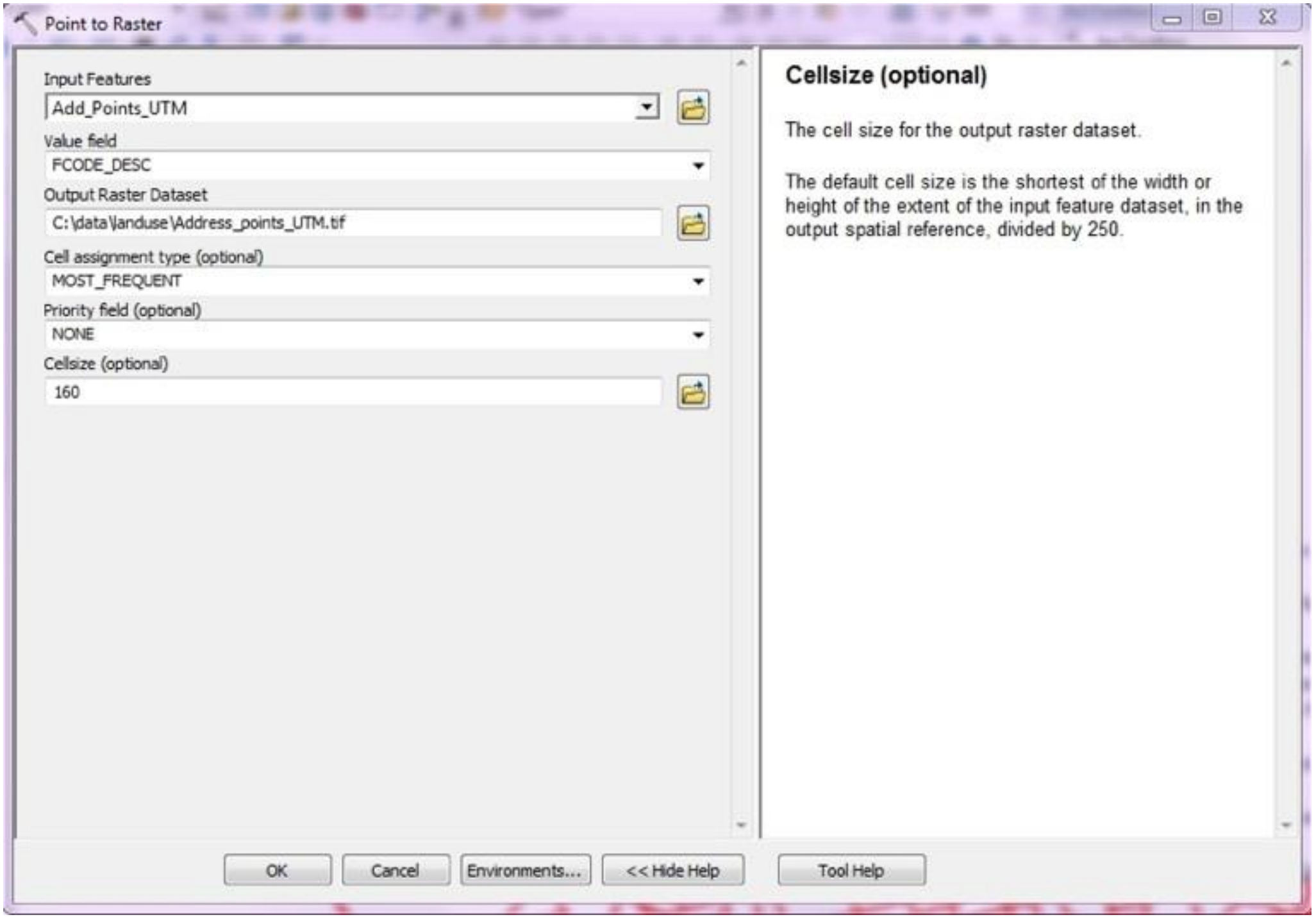


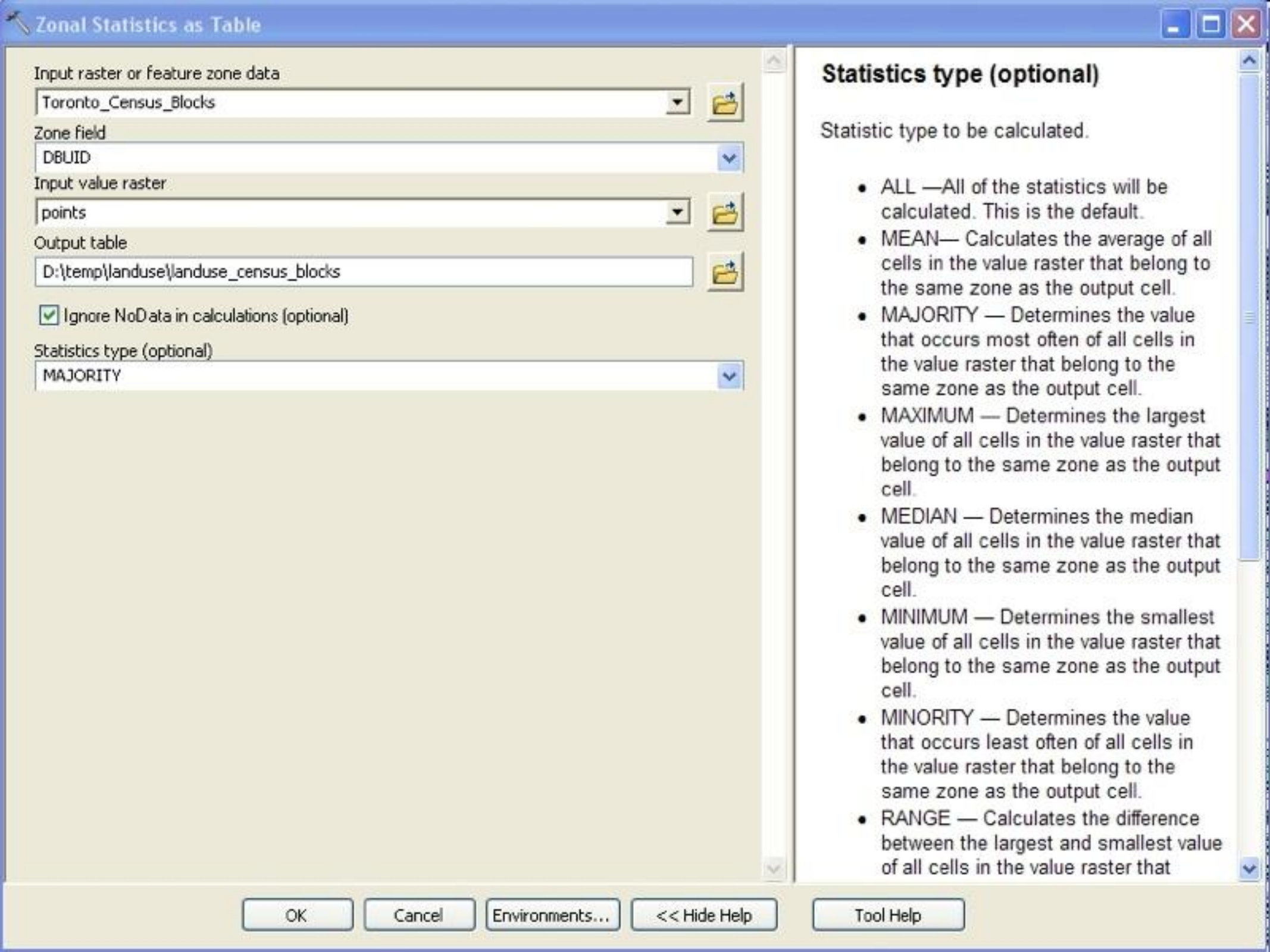

toronto.ca/ope
Stats_Canada/
Stats_Canada/
wards_UTM
$
Toronto_Parce
DMTI Land Use
<all other va
CATEGORY
Copy
Remove
Open Attribute Table
Joins and Relates
Zoom To Layer
Zoom To Make Visible
Visible Scale Range
Use Symbol Levels
Selection
Label Features
Join...
Remove Join(s)
Relate...
Remove Relate(s)
Join
Join data to this layer or standalone table based on a common attribute, spatial location or existing relationship class.

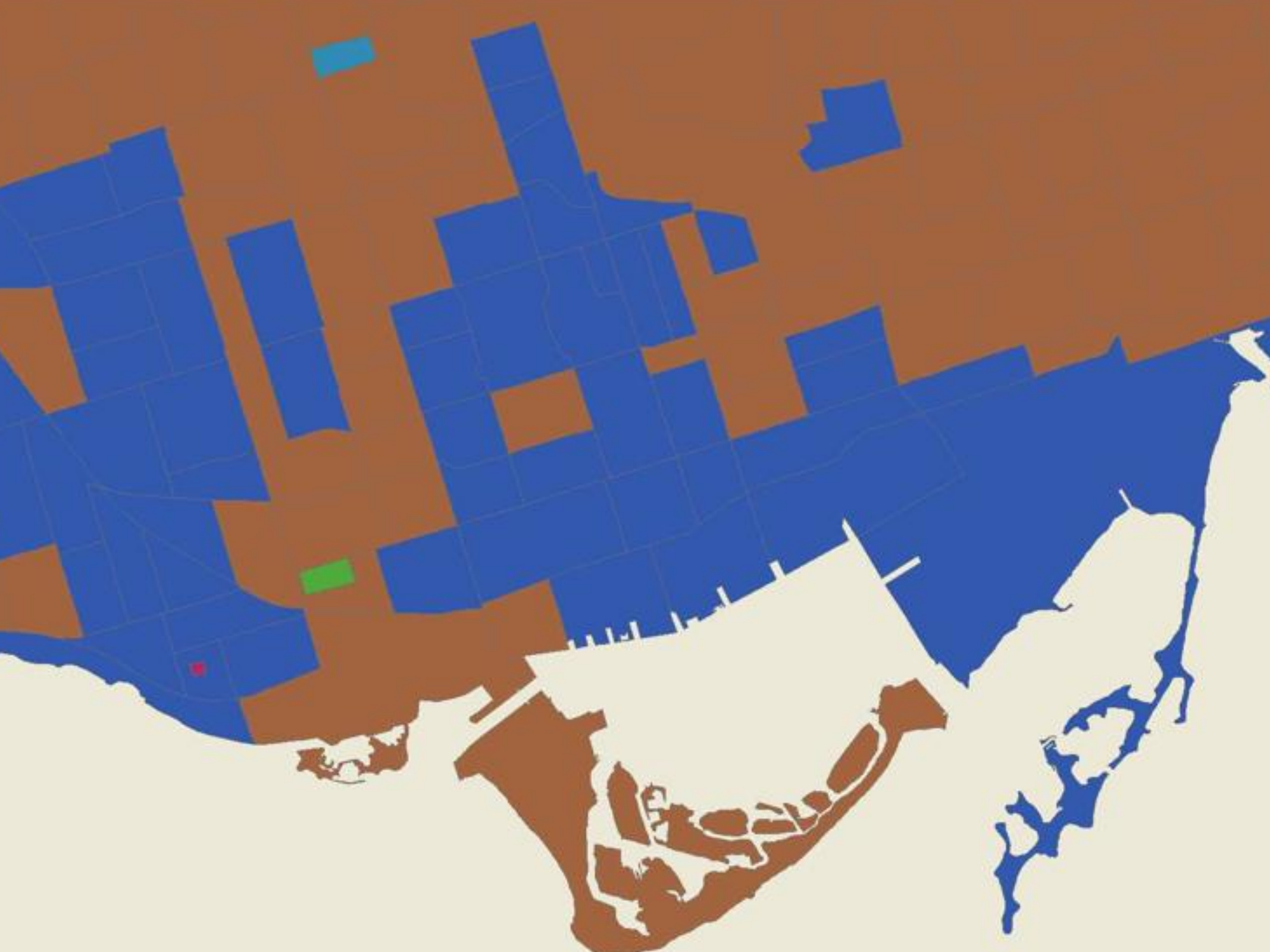

Join Data
Join lets you append additional data to this layer's attribute table so you can, for example, symbolize the layer's features using this data.
What do you want to join to this layer?
Join data from another layer based on spatial location
1. Choose the layer to join to this layer, or load spatial data from disk:
Toronto_Parcels
2. You are joining: Polygons to Points
Select a join feature class above. You will be given different options based on geometry types of the source feature class and the join feature class.
Each point will be given all the attributes of the polygon that:
it falls inside.
If a point falls inside more than one polygon (for example, because the layer being joined contains overlapping polygons) the attributes of the first polygon found will be joined.
is closest to it.
A distance field is added showing how close the polygon is (in the units of the target layer). A polygon that the point falls inside is treated as being closest to the point (i.e. a distance of 0).
3. The result of the join will be saved into a new layer.
Specify output shapefile or feature class for this new layer:
D:\temp\landuse\points_w_ARN.shp
About Joining Data
OK
Cancel

Census Tract Level Land Use?




Point to Raster
Input Features
Add_Points_UTM
Value field
FCODE_DESC
Output Raster Dataset
C:\data\landuse\Address_points_UTM.tif
Cell assignment type (optional)
MOST_FREQUENT
Priority field (optional)
NONE
Cellsize (optional)
160
Cellsize (optional)
The cell size for the output raster dataset.
The default cell size is the shortest of the width or height of the extent of the input feature dataset, in the output spatial reference, divided by 250.
OK
Cancel
Environments...
<< Hide Help
Tool Help


Zonal Statistics as Table
Input raster or feature zone data
Toronto_Census_Blocks
Zone field
DBUID
Input value raster
points
Output table
D:\temp\landuse\landuse_census_blocks
Ignore NoData in calculations (optional)
Statistics type (optional)
MAJORITY
Statistics type (optional)
Statistic type to be calculated.
ALL —All of the statistics will be calculated. This is the default.
MEAN— Calculates the average of all cells in the value raster that belong to the same zone as the output cell.
MAJORITY — Determines the value that occurs most often of all cells in the value raster that belong to the same zone as the output cell.
MAXIMUM — Determines the largest value of all cells in the value raster that belong to the same zone as the output cell.
MEDIAN — Determines the median value of all cells in the value raster that belong to the same zone as the output cell.
MINIMUM — Determines the smallest value of all cells in the value raster that belong to the same zone as the output cell.
MINORITY — Determines the value that occurs least often of all cells in the value raster that belong to the same zone as the output cell.
RANGE — Calculates the difference between the largest and smallest value of all cells in the value raster that
OK
Cancel
Environments...
<< Hide Help
Tool Help



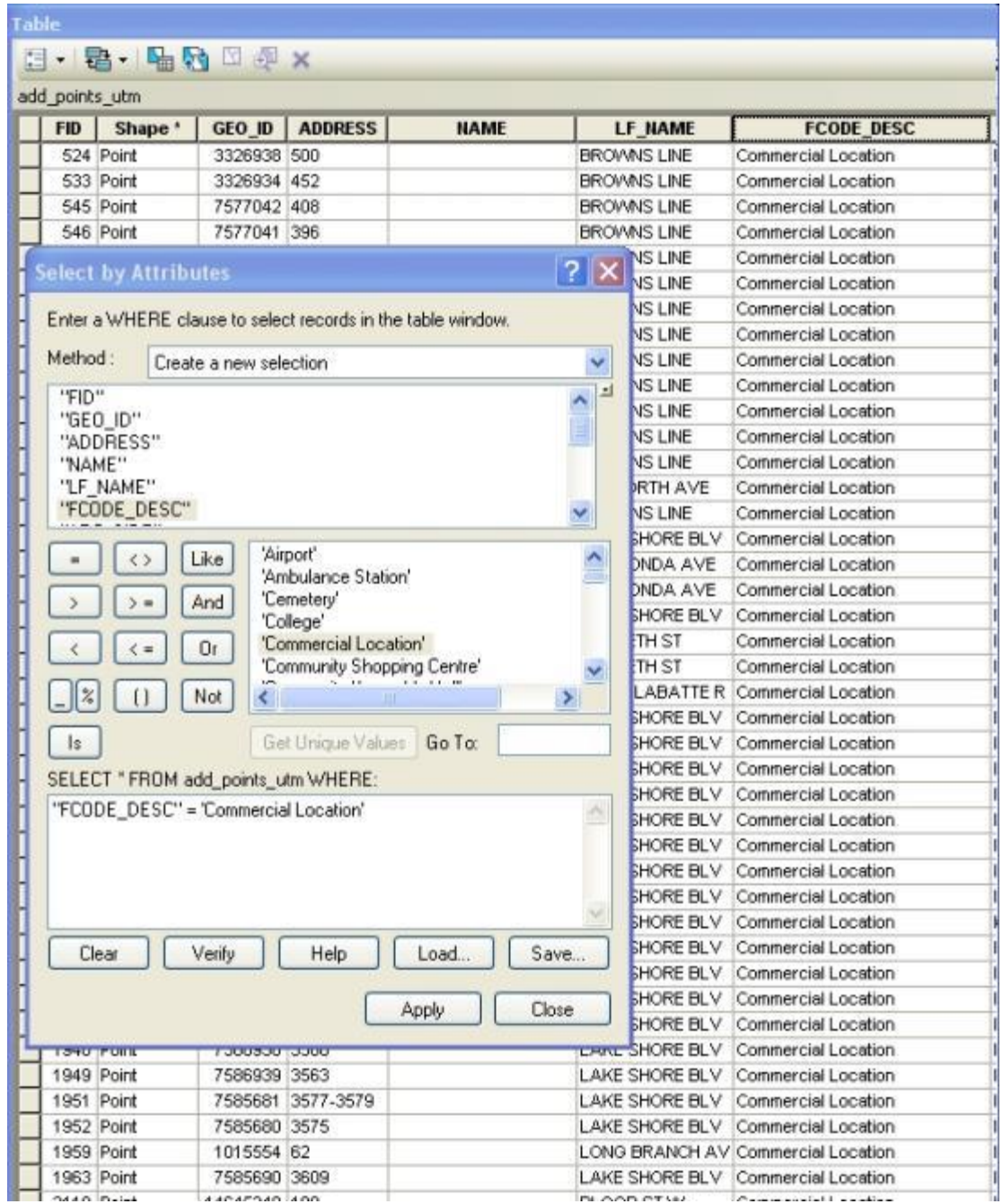
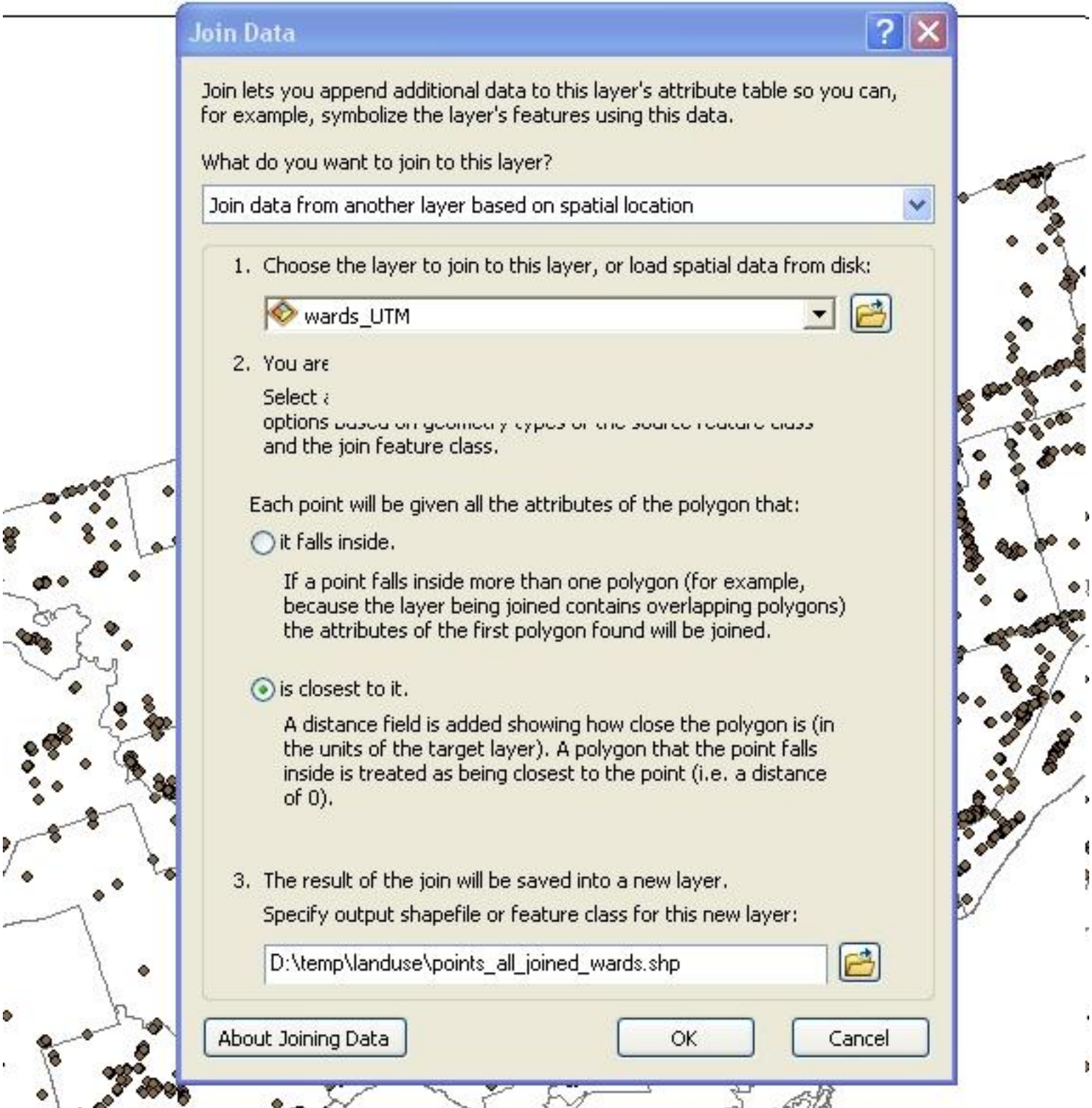
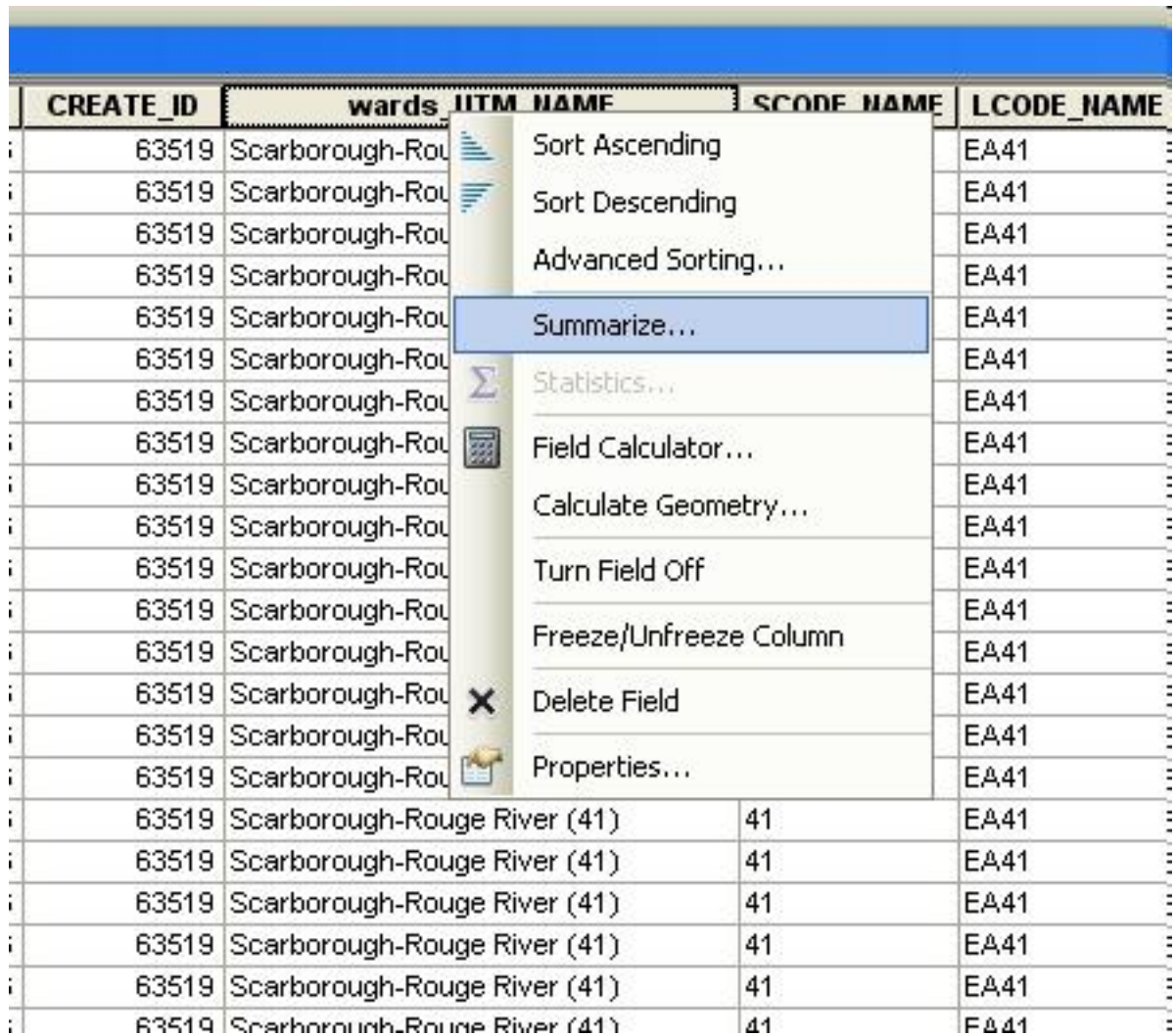


Table
add_points_utm
FID
Shape *
GEO_ID
ADDRESS
NAME
LF_NAME
FCODE_DESC
524 Point 3326938 500 BROWNS LINE Commercial Location
533 Point 3326934 452 BROWNS LINE Commercial Location
545 Point 7577042 408 BROWNS LINE Commercial Location
546 Point 7577041 396 BROWNS LINE Commercial Location
Select by Attributes
Enter a WHERE clause to select records in the table window.
Method :
Create a new selection
"FID"
"GEO_ID"
"ADDRESS"
"NAME"
"LF_NAME"
"FCODE_DESC"
=
< >
Like
>
> =
And
<
< =
Or
_
%
( )
Not
Is
'Airport'
'Ambulance Station'
'Cemetery'
'College'
'Commercial Location'
'Community Shopping Centre'
Get Unique Values
Go To:
SELECT * FROM add_points_utm WHERE:
"FCODE_DESC" = 'Commercial Location'
Clear
Verify
Help
Load...
Save...
Apply
Close
1949 Point 7586939 3563 LAKE SHORE BLV Commercial Location
1951 Point 7585681 3577-3579 LAKE SHORE BLV Commercial Location
1952 Point 7585680 3575 LAKE SHORE BLV Commercial Location
1959 Point 1015554 62 LONG BRANCH AV Commercial Location
1963 Point 7585690 3609 LAKE SHORE BLV Commercial Location


Join Data
Join lets you append additional data to this layer's attribute table so you can, for example, symbolize the layer's features using this data.
What do you want to join to this layer?
Join data from another layer based on spatial location
1. Choose the layer to join to this layer, or load spatial data from disk:
wards_UTM
2. You are
Select
and the join feature class.
Each point will be given all the attributes of the polygon that:
it falls inside.
If a point falls inside more than one polygon (for example, because the layer being joined contains overlapping polygons) the attributes of the first polygon found will be joined.
is closest to it.
A distance field is added showing how close the polygon is (in the units of the target layer). A polygon that the point falls inside is treated as being closest to the point (i.e. a distance of 0).
3. The result of the join will be saved into a new layer.
Specify output shapefile or feature class for this new layer:
D:\temp\landuse\points_all_joined_wards.shp
About Joining Data
OK
Cancel


CREATE_ID
wards_UTM_NAME
SCODE_NAME
LCODE_NAME
63519 Scarborough-Rou EA41
63519 Scarborough-Rou EA41
63519 Scarborough-Rou EA41
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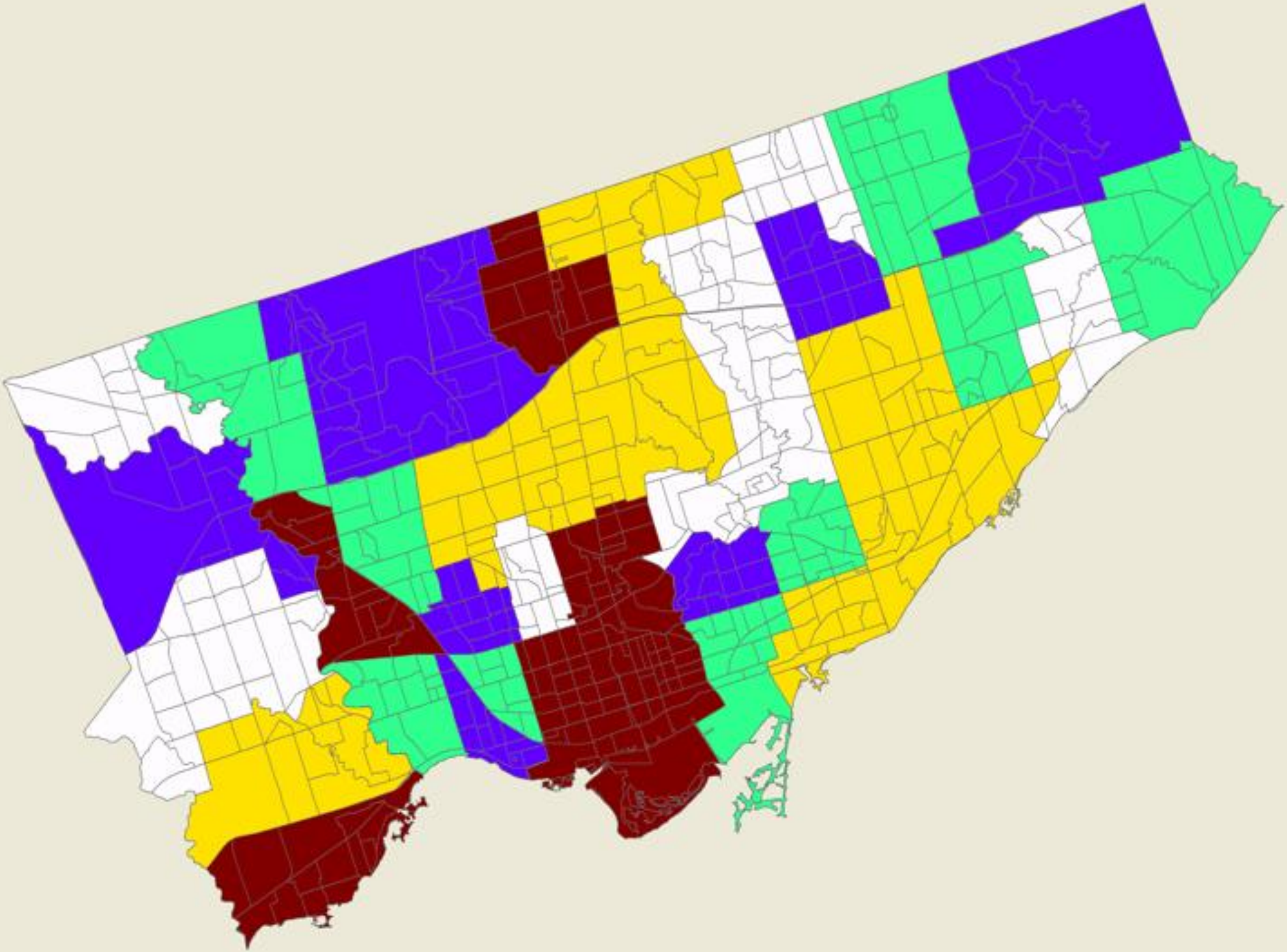
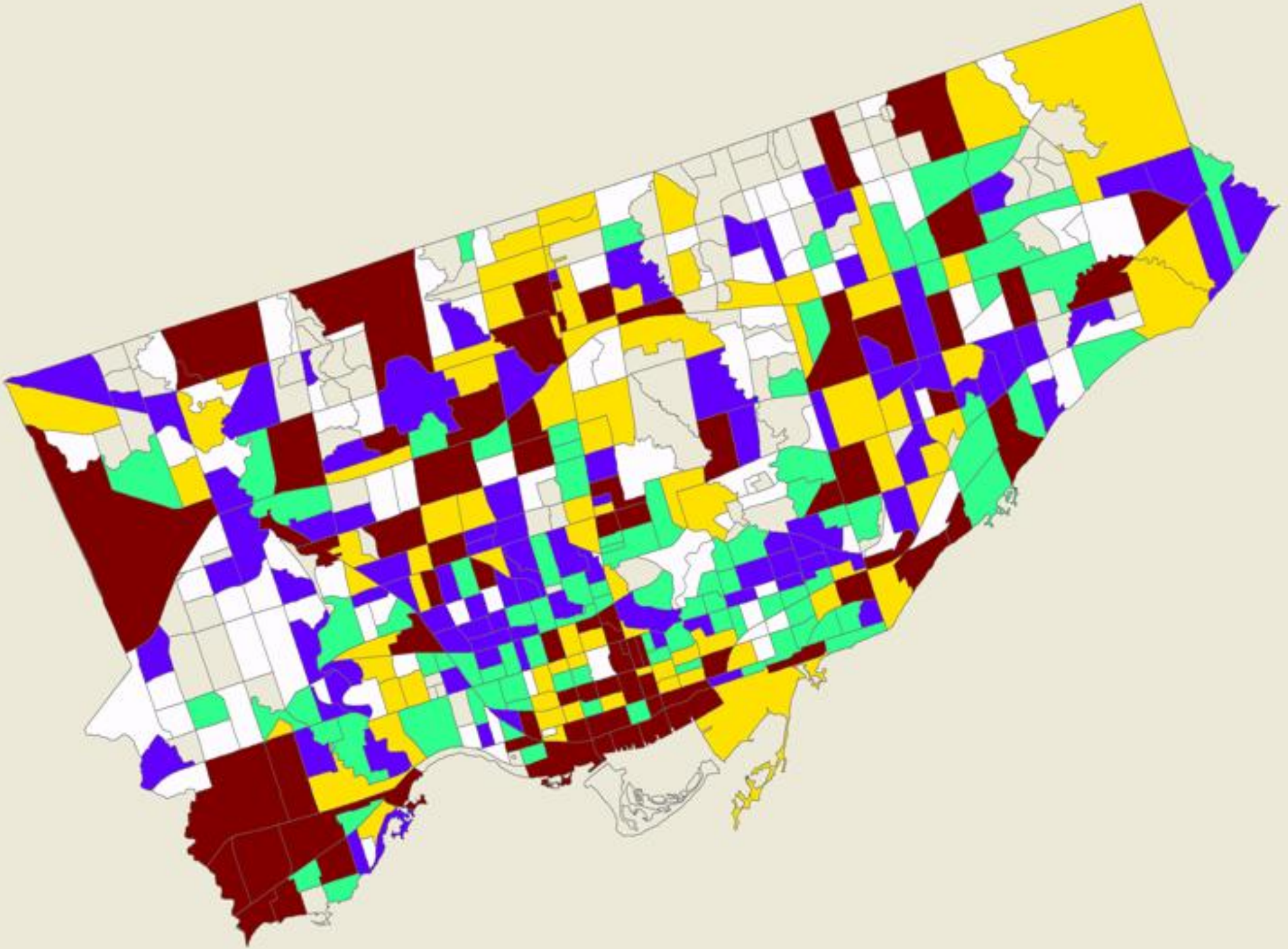
63519 Scarborough-Rou EA41
Sort Ascending
Sort Descending
Advanced Sorting...
Summarize...
Statistics...
Field Calculator...
Calculate Geometry...
Turn Field Off
Freeze/Unfreeze Column
Delete Field
Properties...
63519 Scarborough-Rouge River (41) 41 EA41
63519 Scarborough-Rouge River (41) 41 EA41
63519 Scarborough-Rouge River (41) 41 EA41
63519 Scarborough-Rouge River (41) 41 EA41
63519 Scarborough-Rouge River (41) 41 EA41
63519 Scarborough-Rouge River (41) 41 EA41

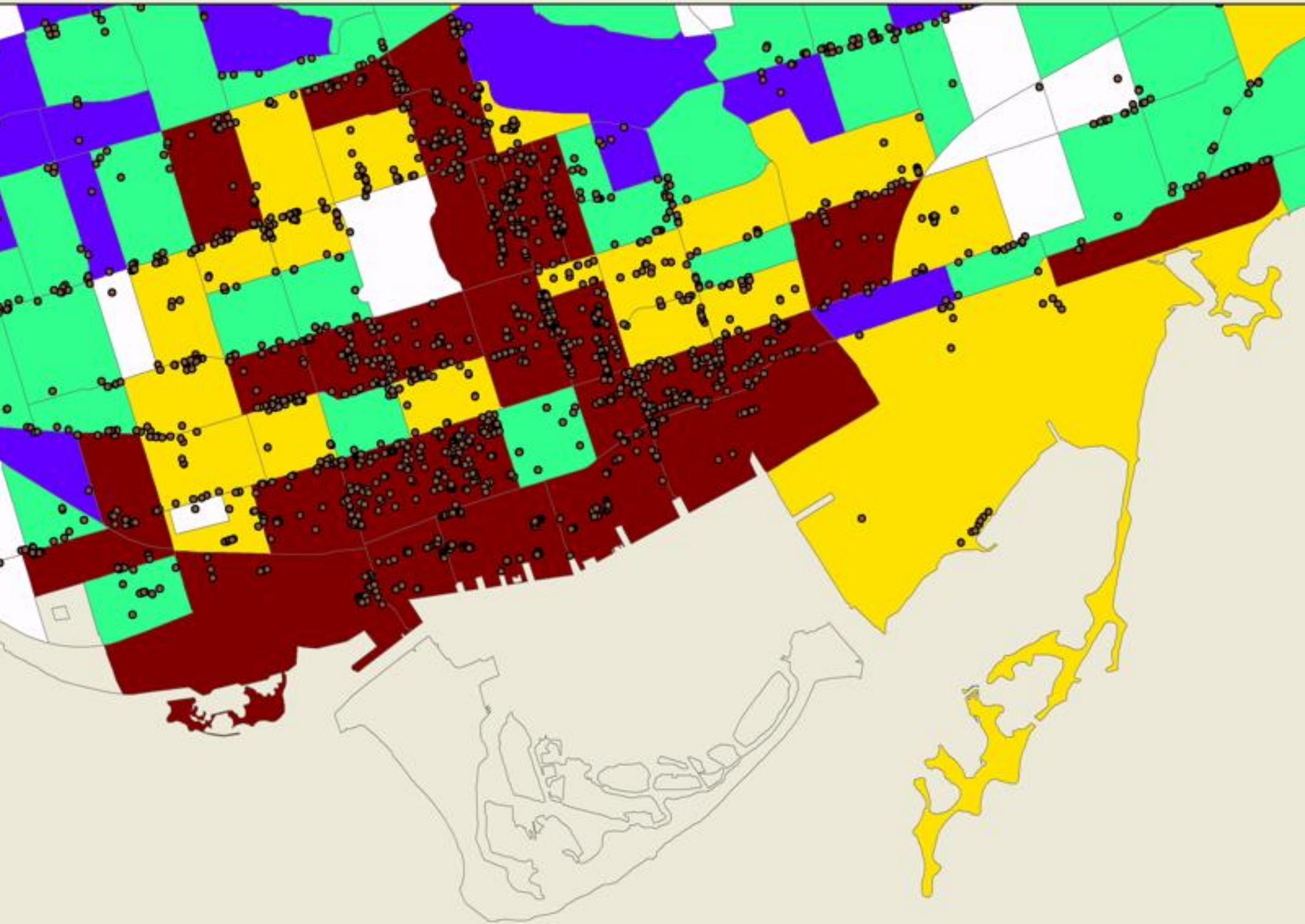
Table

commercial_locations_by_wards

OID	NAME_1	Count_NAME_1
0	Beaches-East York (31)	90
1	Beaches-East York (32)	188
2	Davenport (17)	69
3	Davenport (18)	106
4	Don Valley East (33)	44
5	Don Valley East (34)	41
6	Don Valley West (25)	191
7	Don Valley West (26)	54
8	Eglinton-Lawrence (15)	181
9	Eglinton-Lawrence (16)	191
10	Etobicoke-Lakeshore (5)	210
11	Etobicoke-Lakeshore (6)	255
12	Etobicoke Centre (3)	17
13	Etobicoke Centre (4)	16
14	Etobicoke North (1)	57
15	Etobicoke North (2)	89
16	Parkdale-High Park (13)	106
17	Parkdale-High Park (14)	84
18	Scarborough-Agincourt (39)	31
19	Scarborough-Agincourt (40)	80
20	Scarborough-Rouge River (41)	119
21	Scarborough-Rouge River (42)	78
22	Scarborough Centre (37)	205
23	Scarborough Centre (38)	145
24	Scarborough East (43)	34
25	Scarborough East (44)	131
26	Scarborough Southwest (35)	202
27	Scarborough Southwest (36)	166
28	St. Paul's (21)	49
29	St. Paul's (22)	229
30	Toronto-Danforth (29)	69
31	Toronto-Danforth (30)	140
32	Toronto Centre-Rosedale (27)	524
33	Toronto Centre-Rosedale (28)	371
34	Trinity-Spadina (19)	267
35	Trinity-Spadina (20)	577







Toronto Archives

Research
- Description of holdings
- Reference services
- Research guides
- Search database
- Online maps

- Forms
- Policies and procedures

Exhibits and Education
- Educational programming
- Recent additions
- Web exhibits

Conservation
- Preservation management

- Links

- Contact us

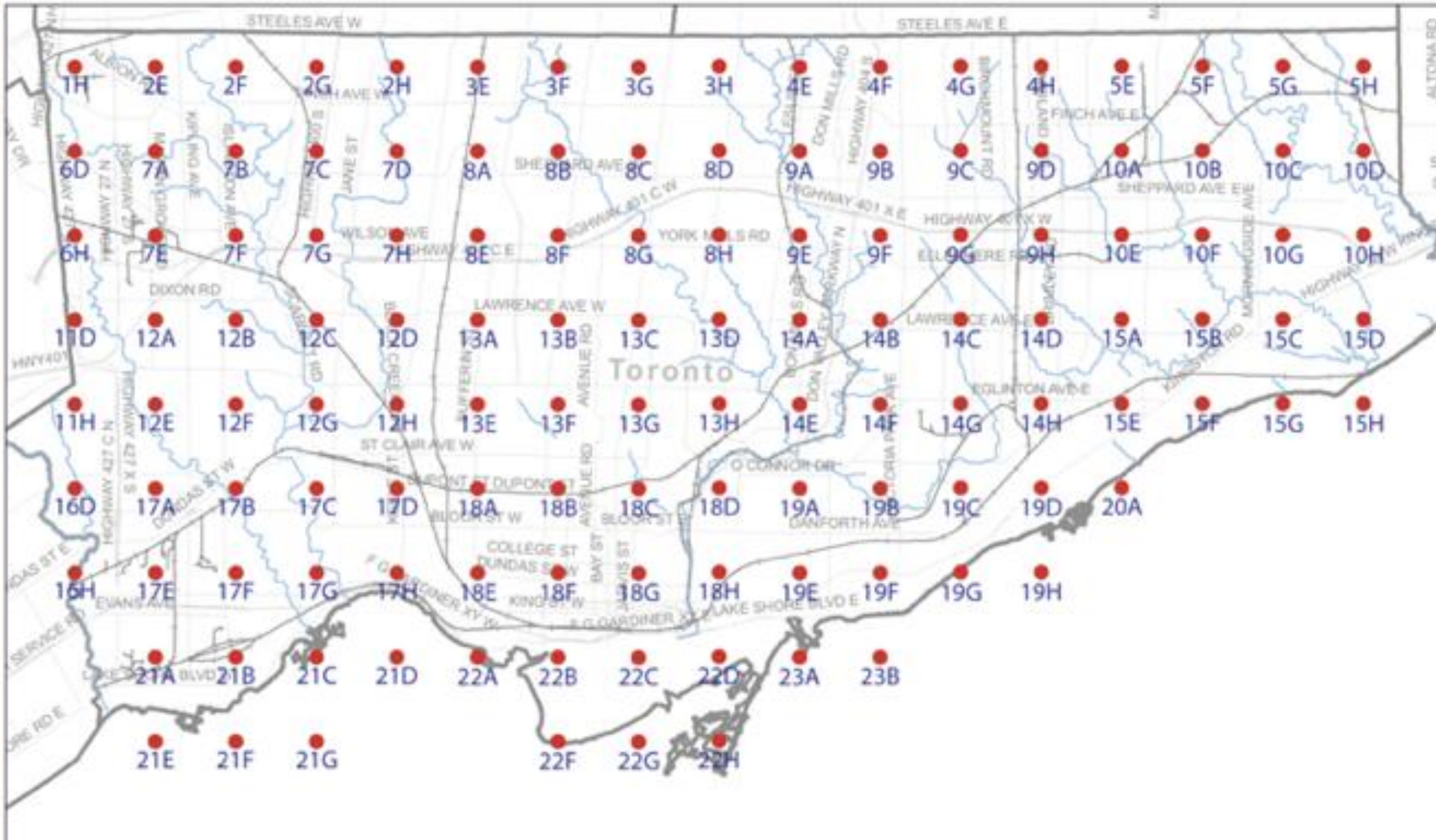
Aerial photographs 1947

Click an area of the map to see it in more detail.

To view and print these maps, you will have to download the free ExpressView Browser Plug-in (MrSID) for Windows from LizardTech.

This plug-in is compatible with Microsoft Windows using Firefox 2 or 3 or Internet Explorer 7 or 8 web browsers.

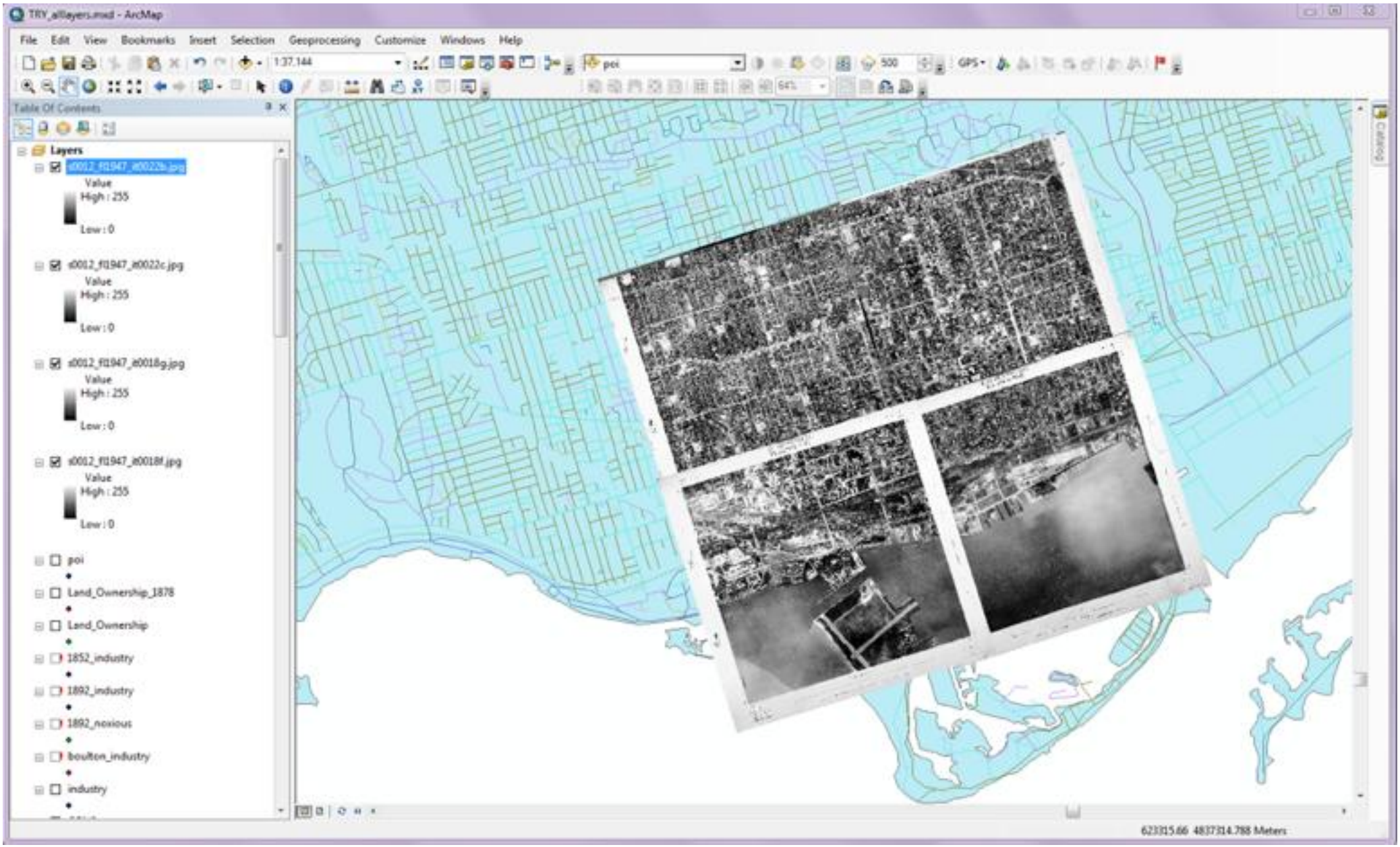
1947 aerial maps index

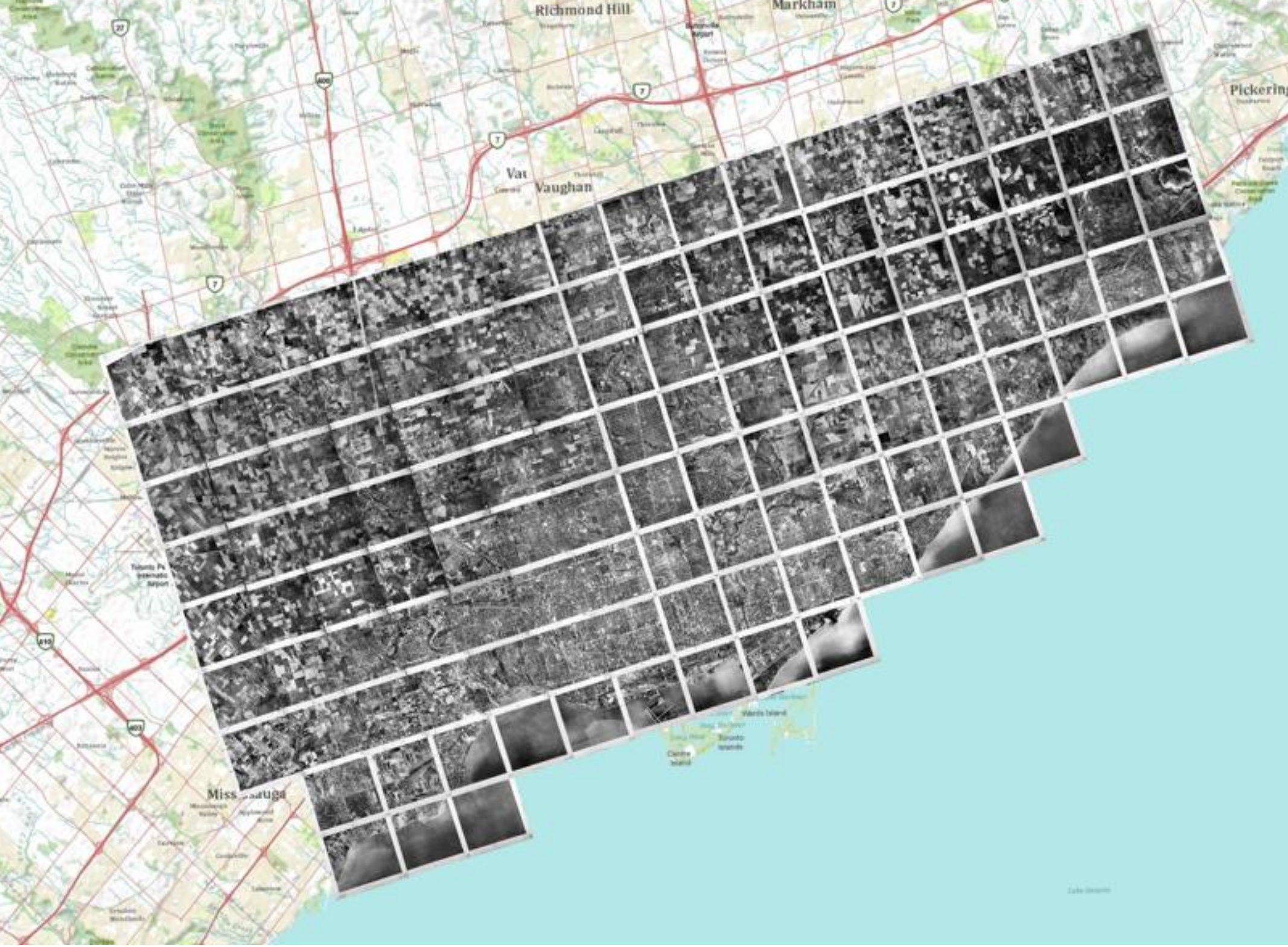


Return to aerial photographs index

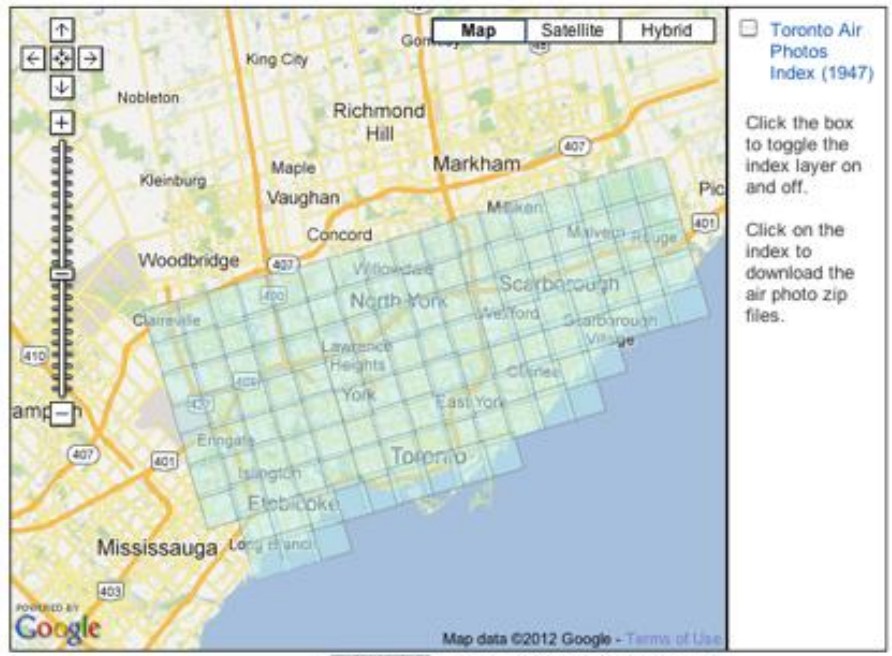

CITY OF TORONTO
REGIONAL PLAN


18-G


TRY_allayers.mxd - ArcMap
File Edit View Bookmarks Insert Selection Geoprocessing Customize Windows Help
Table Of Contents
Layers
s0012_f01947_a0022b.jpg
Value
High : 255
Low : 0
s0012_f01947_a0022c.jpg
Value
High : 255
Low : 0
s0012_f01947_a0018g.jpg
Value
High : 255
Low : 0
s0012_f01947_a0018f.jpg
Value
High : 255
Low : 0
poi
Land_Ownership_1878
Land_Ownership
1852_industry
1892_industry
1892_noxious
boulton_industry
industry
623315.66 4837314.788 Meters


Richmond Hill
Markham
Pickering
Vaughan
Toronto Islands

Toronto Air Photos Index (1947)



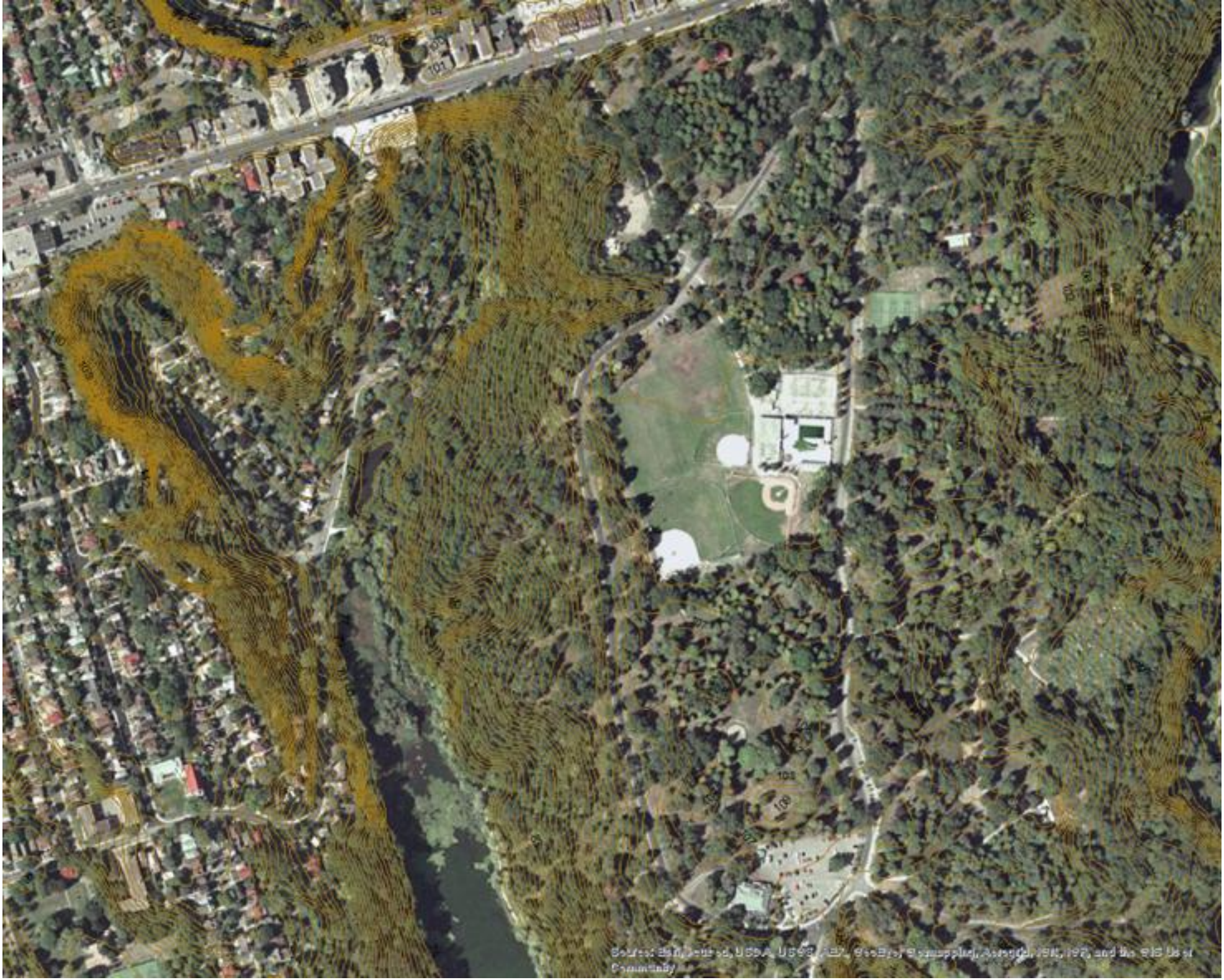
Toronto Air Photos Index (1947)

Click the box to toggle the index layer on and off.

Click on the index to download the air photo zip files.

Add layer (must be a KML or KMZ google file)

For further information and help, click on one of the links above, call us at **416.978.5589**, or ***contact us***. Our address is 130 St. George street, Toronto, ON M5S 1A5

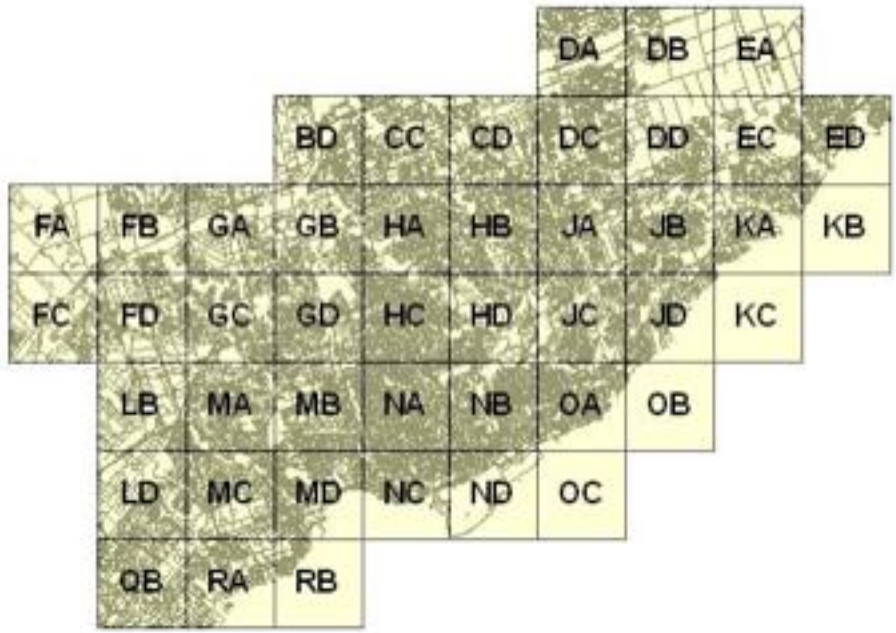


UNIVERSITY OF TORONTO
MAP & DATA LIBRARY

▸ Home

Contours of Toronto

Source: J.D. Barnes First Base Solutions
Scale: Contours at 1 metre interval
Format: Shapefile
Click on the map below to zoom to areas of coverage available online.



Last Updated: April 9, 2

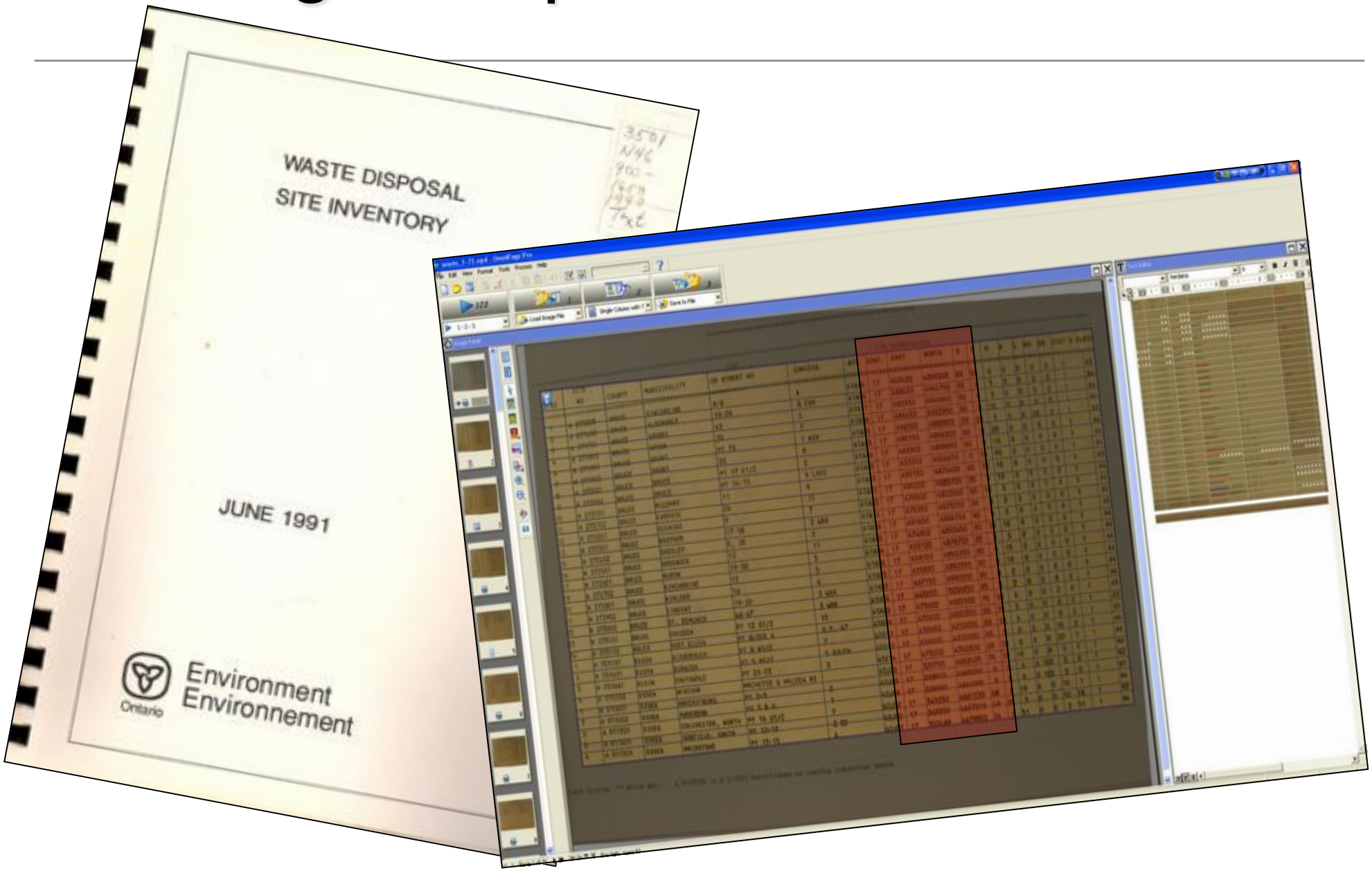
Historical Toronto Streets / Roads

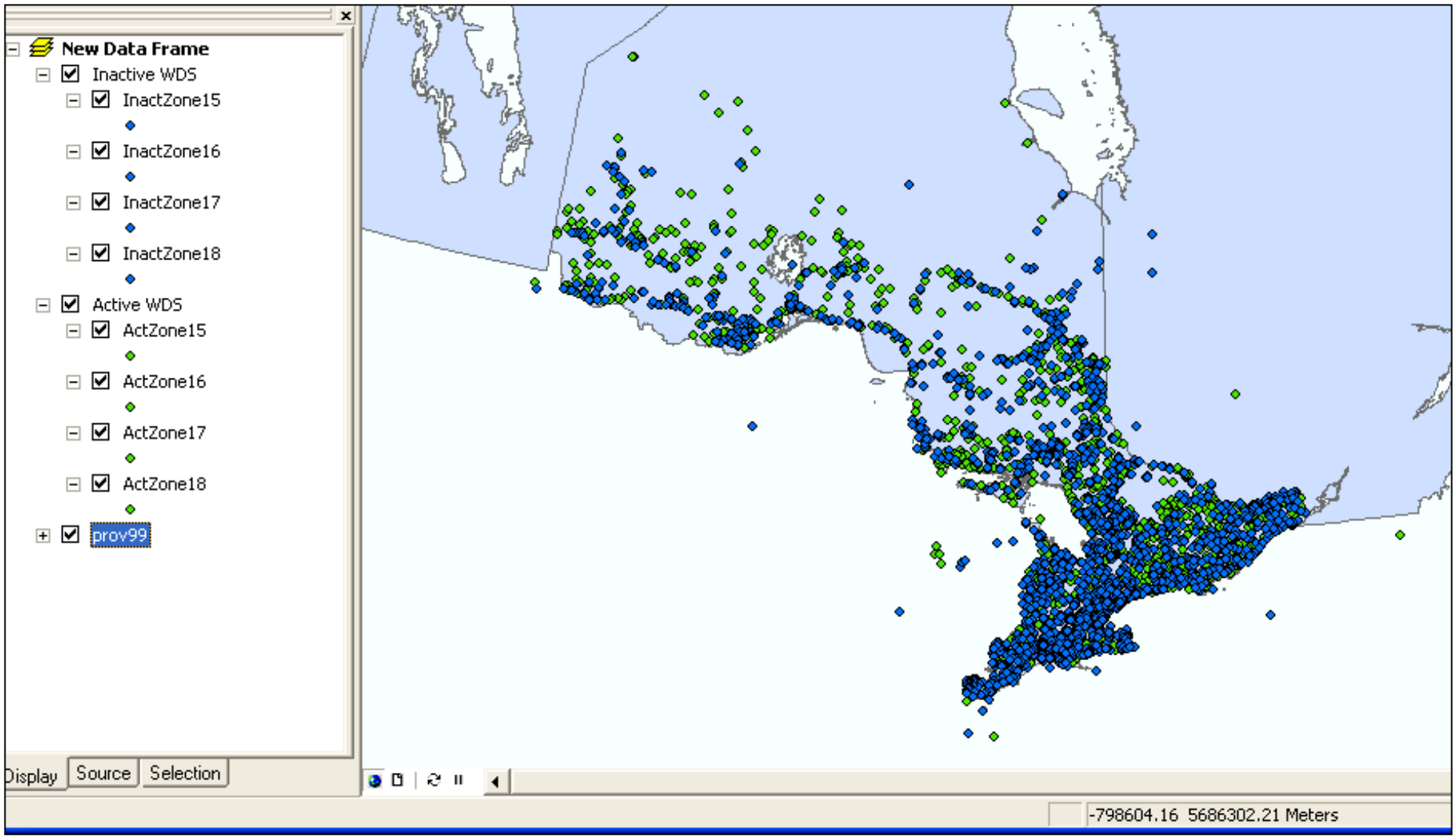
Data Date	1818-01-01 - revised 1884-01-01
Data/Image Set Access	Download
Listing in Geoportal?	YES
Method of Access	web
Index Page	**web link**
Contact	gis.maps@utoronto.ca
Datum	D_North_American_1983
Projection	GCS_North_American_1983
Description	Historical Toronto Streets in: 1818, 1834, 1842, 1851, 1861, 1871, 1884 Based upon *Mapping early Toronto: a preliminary historical atlas, 1793-1871* by Alan M. Craig Original data can be found on CD[312] and the Local Intranet in the MDL - U:\Geodata\Canada\ON\Toronto\TorontoCity\Roads_historical
Type of Data	VECTOR
Permission Required to Use?	None
Acknowledgement Required to Use?	Citation
Price for Use?	None
Who Can Use Data?	PUBLIC
Entry Date	2011-11-07
Subjects	/ ROADS
Geography Covered	/ TORONTO
Formats	/ SHAPEFILE

Toronto Historical Ward Boundaries

Data Date	1834-01-01 - revised 1914-01-01
Listing in Geoportal?	YES
Method of Access	Web and u:\\\\\\\\geodata\\\\\\\\canada\\\\\\\\ON\\\\\\\\Toronto\\\\\\\\TorontoCity\\\\\\\\Wards\\\\\\\\
Index Page	**web link**
Contact	gis.maps@utoronto.ca
Data Creator	University of Toronto Map and Data Library
Publisher	University of Toronto Libraries
Description	Historical Ward boundaries of Toronto during the 19th and 20th Century.
Type of Data	VECTOR
Copyright Owner	University of Toronto Library
Permission Required to Use?	None
Acknowledgement Required to Use?	None
Price for Use?	None
Who Can Use Data?	PUBLIC
Entry Date	2002-09-12
Subjects	/ HISTORICAL / BOUNDARIES - POLITICAL
Geography Covered	/ TORONTO
Formats	/ SHAPEFILE

Leverage our print material




New Data Frame
Inactive WDS
InactZone15
InactZone16
InactZone17
InactZone18
Active WDS
ActZone15
ActZone16
ActZone17
ActZone18
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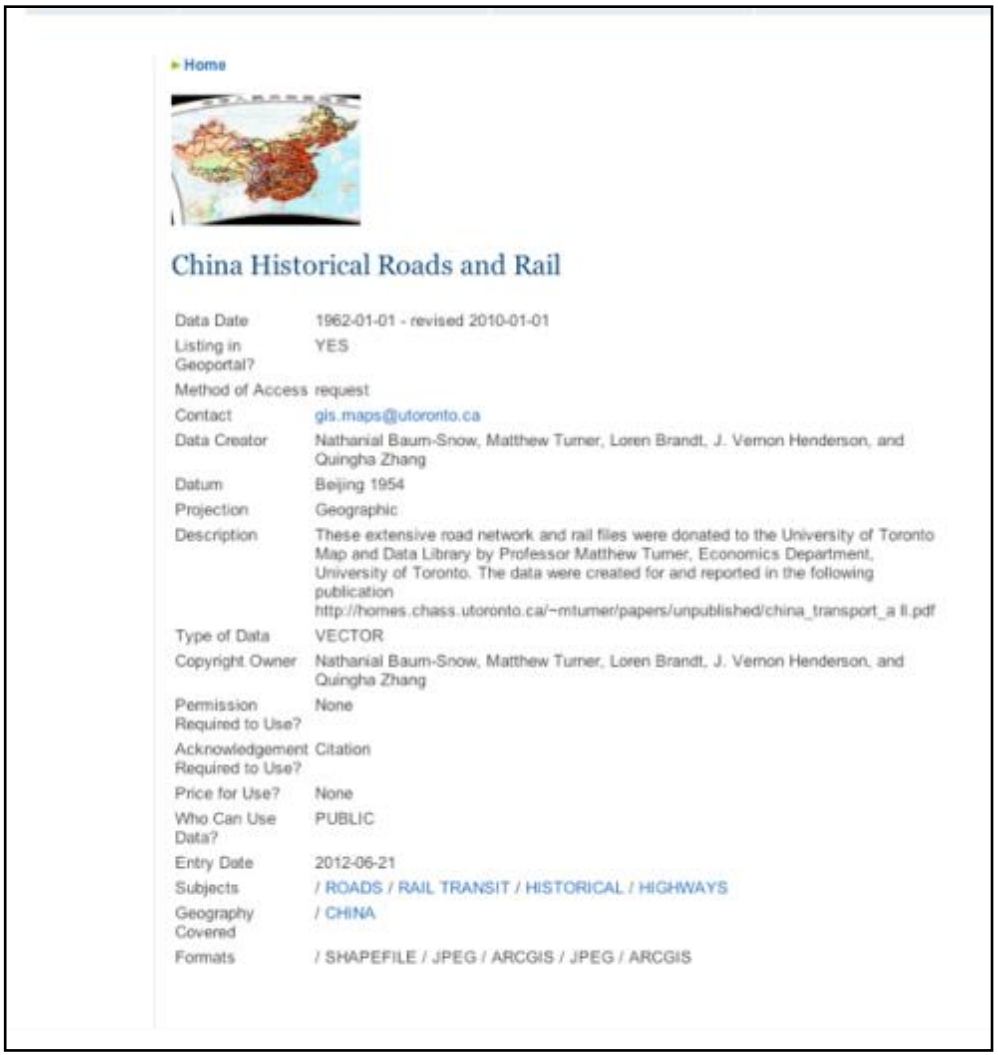
Selection
-798604.16 5686302.21 Meters

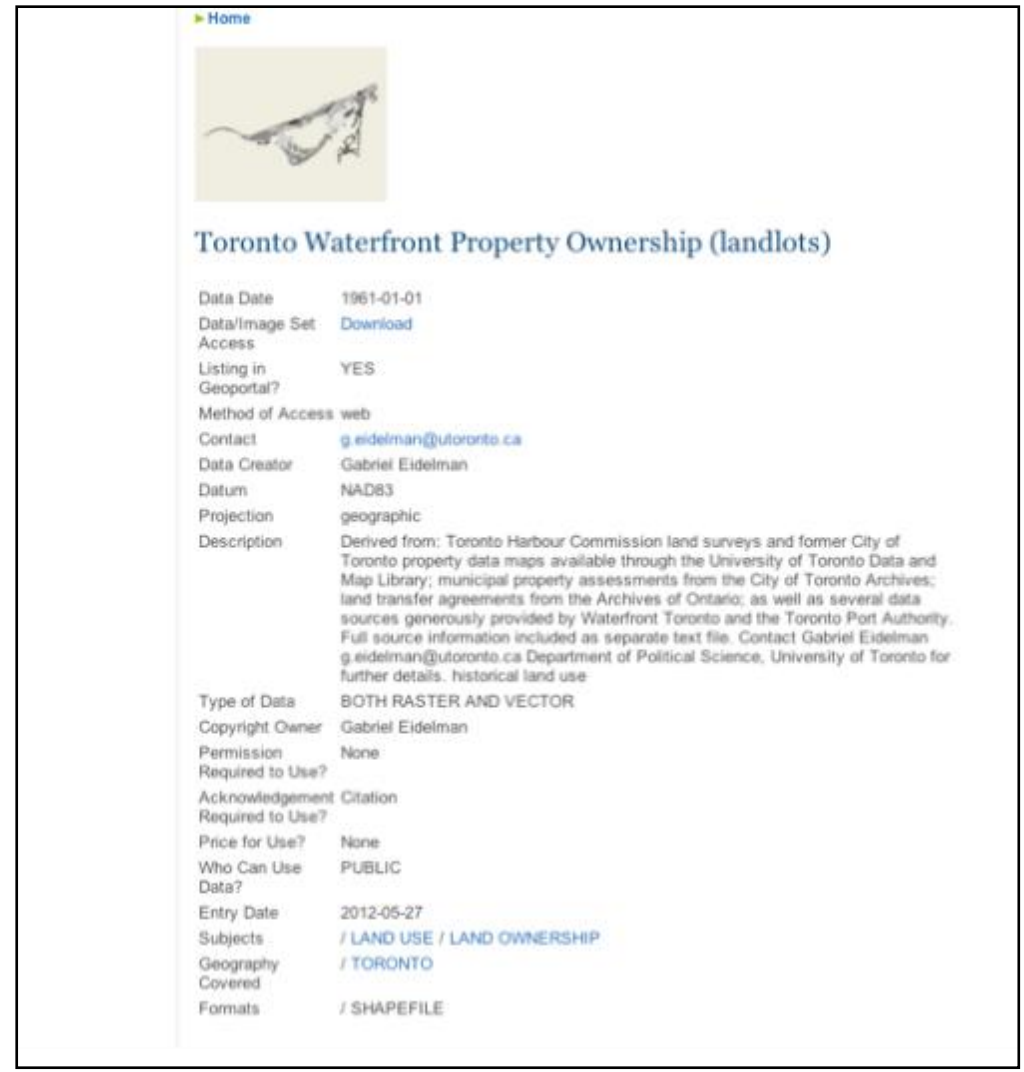
Faculty and Student Buy-in



Home

China Historical Roads and Rail

Data Date	1962-01-01 - revised 2010-01-01
Listing in Geoportal?	YES
Method of Access	request
Contact	gis.maps@utoronto.ca
Data Creator	Nathanial Baum-Snow, Matthew Turner, Loren Brandt, J. Vernon Henderson, and Quingha Zhang
Datum	Beijing 1954
Projection	Geographic
Description	These extensive road network and rail files were donated to the University of Toronto Map and Data Library by Professor Matthew Turner, Economics Department, University of Toronto. The data were created for and reported in the following publication http://homes.chass.utoronto.ca/~mturner/papers/unpublished/china_transport_a ll.pdf
Type of Data	VECTOR
Copyright Owner	Nathanial Baum-Snow, Matthew Turner, Loren Brandt, J. Vernon Henderson, and Quingha Zhang
Permission Required to Use?	None
Acknowledgement Required to Use?	Citation
Price for Use?	None
Who Can Use Data?	PUBLIC
Entry Date	2012-06-21
Subjects	/ ROADS / RAIL TRANSIT / HISTORICAL / HIGHWAYS
Geography Covered	/ CHINA
Formats	/ SHAPEFILE / JPEG / ARCGIS / JPEG / ARCGIS



Home

Toronto Waterfront Property Ownership (landlots)

Data Date	1961-01-01
Data/Image Set Access	Download
Listing in Geoportal?	YES
Method of Access	web
Contact	g.eidelman@utoronto.ca
Data Creator	Gabriel Eidelman
Datum	NAD83
Projection	geographic
Description	Derived from: Toronto Harbour Commission land surveys and former City of Toronto property data maps available through the University of Toronto Data and Map Library; municipal property assessments from the City of Toronto Archives; land transfer agreements from the Archives of Ontario; as well as several data sources generously provided by Waterfront Toronto and the Toronto Port Authority. Full source information included as separate text file. Contact Gabriel Eidelman g.eidelman@utoronto.ca Department of Political Science, University of Toronto for further details. historical land use
Type of Data	BOTH RASTER AND VECTOR
Copyright Owner	Gabriel Eidelman
Permission Required to Use?	None
Acknowledgement Required to Use?	Citation
Price for Use?	None
Who Can Use Data?	PUBLIC
Entry Date	2012-05-27
Subjects	/ LAND USE / LAND OWNERSHIP
Geography Covered	/ TORONTO
Formats	/ SHAPEFILE

UNIVERSITY OF TORONTO
MAP & DATA LIBRARY

University of Toronto Open Data Catalogue

1

Air Photos of Southern Ontario (1954)

Date: 1954
Creator: Hunting Survey Corporation Limited
Scale: 2.5 metre
Access: web cd-rom

Download

2

UNIVERSITY OF TORONTO
MAP & DATA LIBRARY

CENSUS OF CANADA POPULATION AND HOUSING CHARACTERISTICS BY CENSUS TRACTS - TORONTO 9th Census (1951)

Date: 1951
Creator: University of Toronto Map and Data Library
Access: web
Description:

"If you put things on the web for free, good things will happen"

- David Rumsey, CARTO 2008

Home

Army Exchange Service road map United States zone Germany

Data Date	1947-01-01
Data/Image Set Access	Download
Listing in Geoportal?	YES
Method of Access	web
Contact	gis.maps@utoronto.ca
Data Creator	HQ USFET, Army Exchange Service AES.
Scale	1:550,000
Publisher	Army Exchange Service
Description	Legend shows approximate U. S. occupation area; highway and main routes; garages; service stations; snack bars. Includes insets of Berlin and area around Bremen. Prepared and printed from GSGS 4072. On verso are simplified downtown cores of major German cities; a list of 'operating hints' for drivers'; international road signs.
Type of Data	RASTER
Permission Required to Use?	None
Acknowledgement Required to Use?	Citation
Price for Use?	None
Call Number	G6081 .P2 550 1947
Catalogue Record	http://go.utlib.ca/cat/7648761
Who Can Use Data?	PUBLIC
Entry Date	2011-08-23
Subjects	
Geography Covered	/ GERMANY
Formats	/ JPEG / ZOOMIFY

Army Exchange Service road map United States zone Germany

Return to Metadata Record

Map or Series Date: 1947
Scale: 1:550,000
Creator: HQ USFET, Army Exchange Service AES.
Description: Legend shows approximate U. S. occupation area; highway and main routes; garages; service stations; snack bars.

Includes insets of Berlin and area around Bremen.

Prepared and printed from GSGS 4072.

On verso are simplified downtown cores of major German cities; a list of 'operating hints' for drivers'; international road signs.

Download files: (filter list of files)

	Filename	Subject	Description	Format
1	G_6081_P2_550_1947.htm	ROAD MAPS		ZOOMIFY
2	G_6081_P2_550_1947.jpg	ROAD MAPS	Germany	JPEG
3	G_6081_P2_550_1947.kmz	ROAD MAPS	Image Overlay	KML/KMZ (GOOGLE)
4	G_6081_P2_550_1947.zip	ROAD MAPS	georeferenced	TIF
5	G_6081_P2_550_1947_back.htm	ROAD MAPS	Verso	ZOOMIFY
6	G_6081_P2_550_1947_back.jpg	ROAD MAPS	Verso	JPEG

Return to Metadata Record

A. E. S. ROAD MAP U. S. ZONE GERMANY

Army Exchange Service road map United States zone Germany

Return to Metadata Record

Map or Series Date: 1947
Scale: 1:550,000
Creator: HQ USFET, Army Exchange Service AES.
Description: Legend shows approximate U. S. occupation area; highway and main routes; garages; service stations; snack bars.

Includes insets of Berlin and area around Bremen.

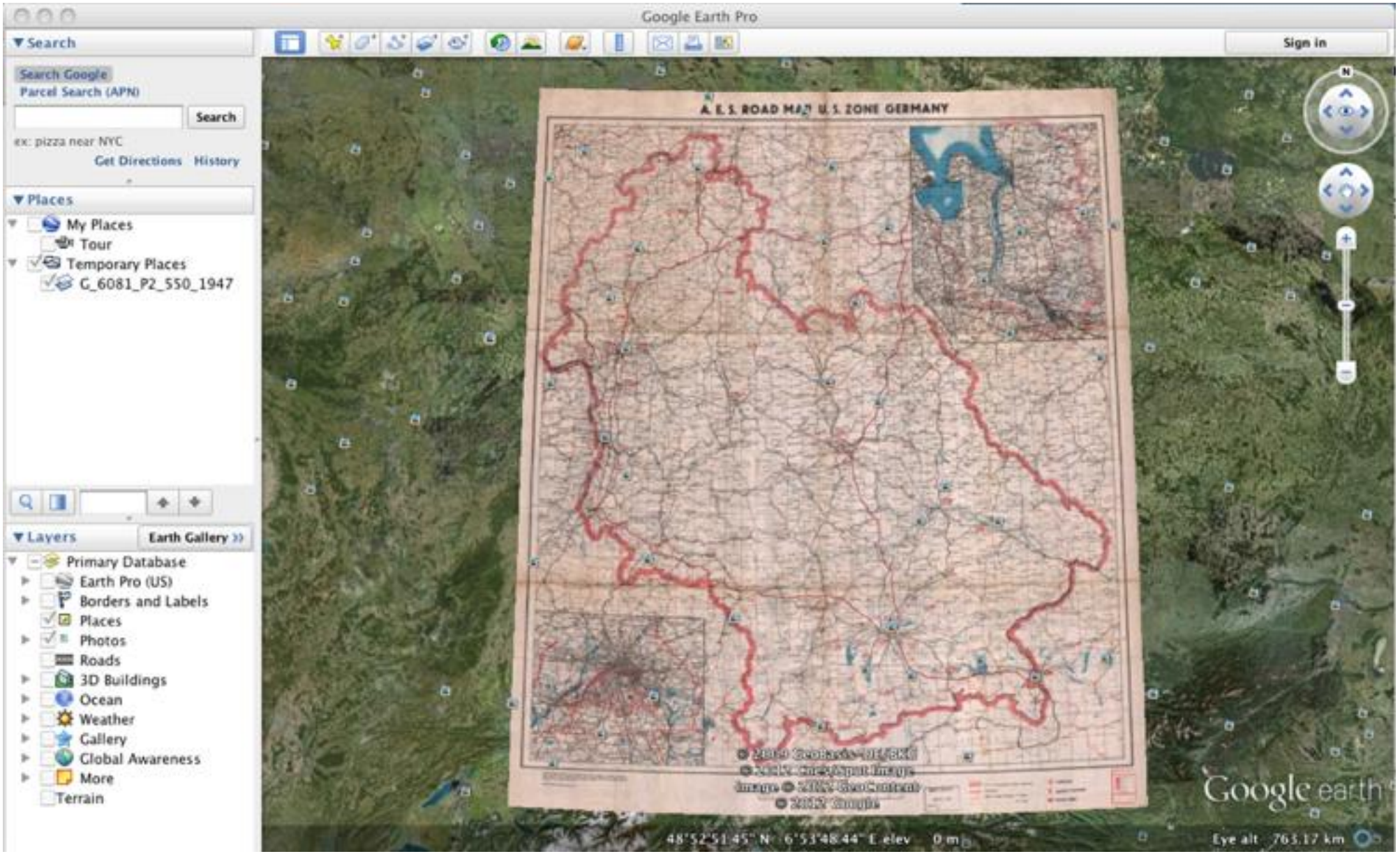
Prepared and printed from GSGS 4072.

On verso are simplified downtown cores of major German cities; a list of 'operating hints' for drivers'; international road signs.

Download files: (filter list of files)

	Filename	Subject	Description	Format
1	G_6081_P2_550_1947.htm	ROAD MAPS		ZOOMIFY
2	G_6081_P2_550_1947.jpg	ROAD MAPS	Germany	JPEG
3	G_6081_P2_550_1947.kmz	ROAD MAPS	Image Overlay	KML/KMZ (GOOGLE)
4	G_6081_P2_550_1947.zip	ROAD MAPS	georeferenced	TIF
5	G_6081_P2_550_1947_back.htm	ROAD MAPS	Verso	ZOOMIFY
6	G_6081_P2_550_1947_back.jpg	ROAD MAPS	Verso	JPEG

Return to Metadata Record


Google Earth Pro
Search
Search Google
Parcel Search (APN)
Search
ex: pizza near NYC
Get Directions
History
Places
My Places
Tour
Temporary Places
G_6081_P2_550_1947
Layers
Earth Gallery
Primary Database
Earth Pro (US)
Borders and Labels
Places
Photos
Roads
3D Buildings
Ocean
Weather
Gallery
Global Awareness
More
Terrain
Sign in
A. E. S. ROAD MAP U. S. ZONE GERMANY
Google earth
48°52'51.45" N 6°53'48.44" E elev 0 m
Eye alt 763.17 km

Army Exchange Service road map United States zone Germany

Return to Metadata Record

Map or Series Date: 1947
Scale: 1:550,000
Creator: HQ USFET, Army Exchange Service AES.
Description: Legend shows approximate U. S. occupation area; highway and main routes; garages; service stations; snack bars.

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2	G_6081_P2_550_1947.jpg	ROAD MAPS	Germany	JPEG
3	G_6081_P2_550_1947.kmz	ROAD MAPS	Image Overlay	KML/KMZ (GOOGLE)
4	G_6081_P2_550_1947.zip	ROAD MAPS	georeferenced	TIF
5	G_6081_P2_550_1947_back.htm	ROAD MAPS	Verso	ZOOMIFY
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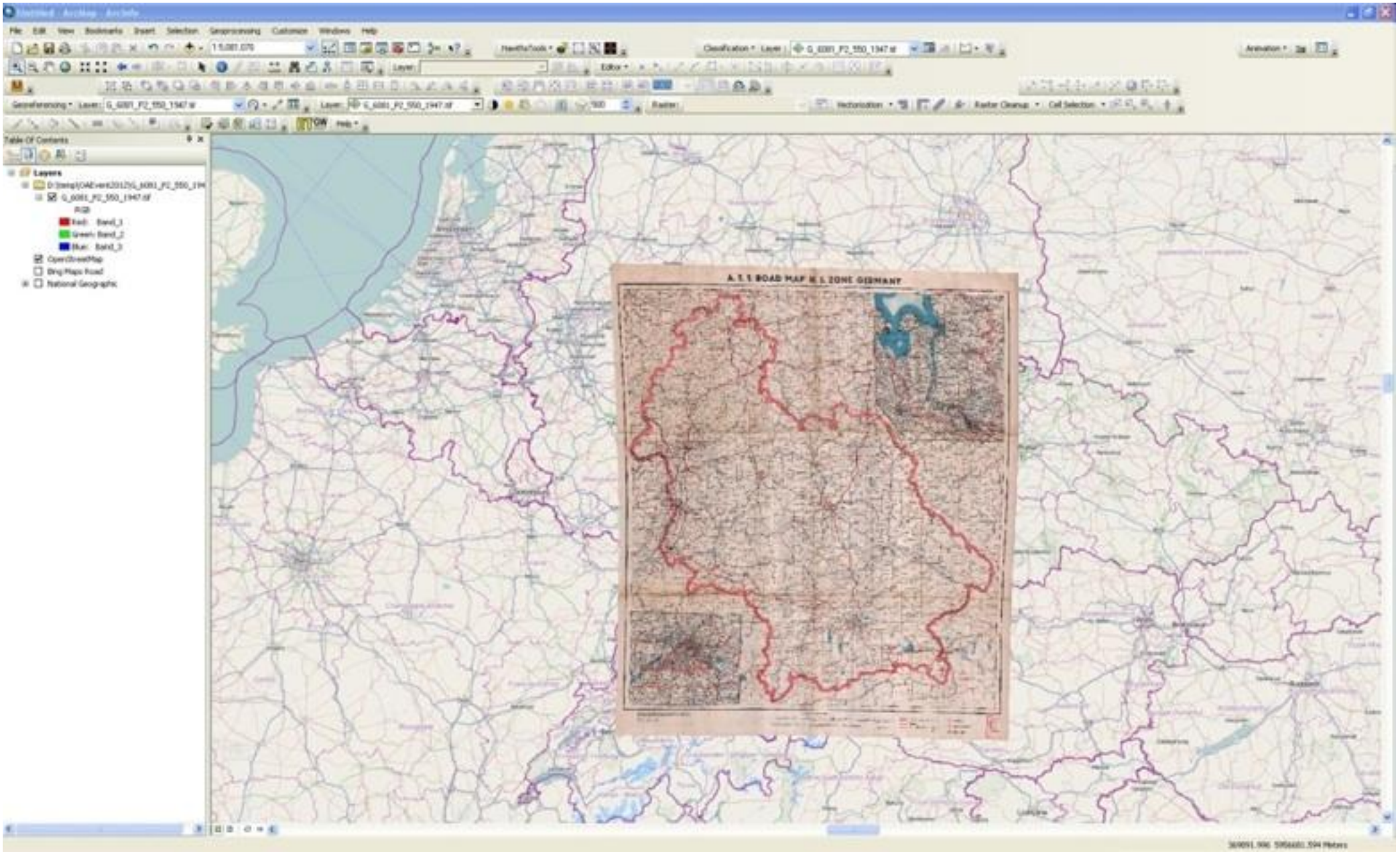
Return to Metadata Record


A.E.F. ROAD MAP N.E. ZONE GERMANY

Past Tense: Graduate Review of History

Vol 1, No 1 (2012)

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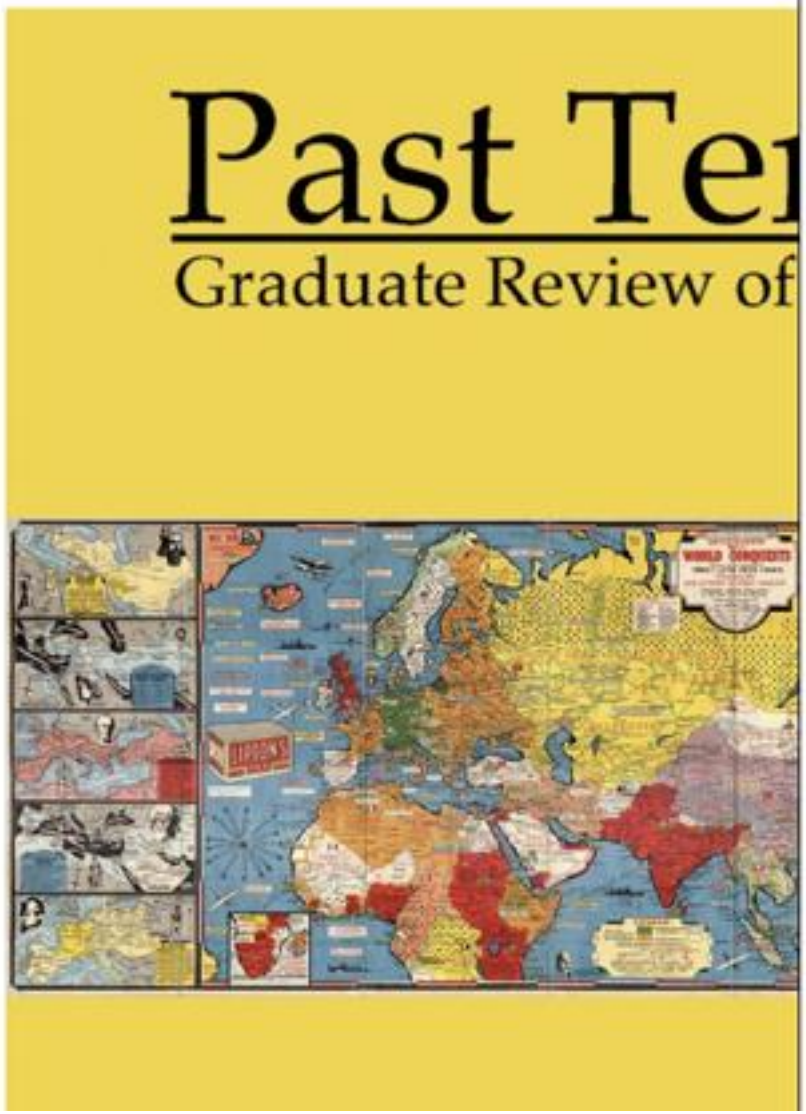


CITY

If you like historical maps of Toronto, go here...

Posted by Derek Flack / FEBRUARY 16, 2011

5 Comments

In addition to poring over old photographs of Toronto on a regular basis, I try to get my hands on historic maps of the city as often as I can. As far as general overviews go, it's tough to beat Derek Haye's *Historical Atlas of Toronto*, a book that I've lauded on more than one occasion. But, it's not

MORE STORIES
Recently in City

- Should Toronto add more scramble intersections?
- New in Toronto real estate: The Britt
- Toronto Zombie Walk 2012
- Sherbourne condo proposal threatens heritage property
- Occupy Toronto celebrates anticlimactic anniversary

CITY

Toronto, then and now (1876-present)

Posted by Staff / JANUARY 12, 2012

17 Comments

MORE STORIES

Recently in City

- Should Toronto add more scramble intersections?
- New in Toronto real estate: The Britt
- Toronto Zombie Walk 2012
- Sherbourne condo proposal threatens heritage property
- Occupy Toronto celebrates anticlimactic anniversary

NEWS

APRIL 24, 2010 AT 8:16 PM | 7 COMMENTS

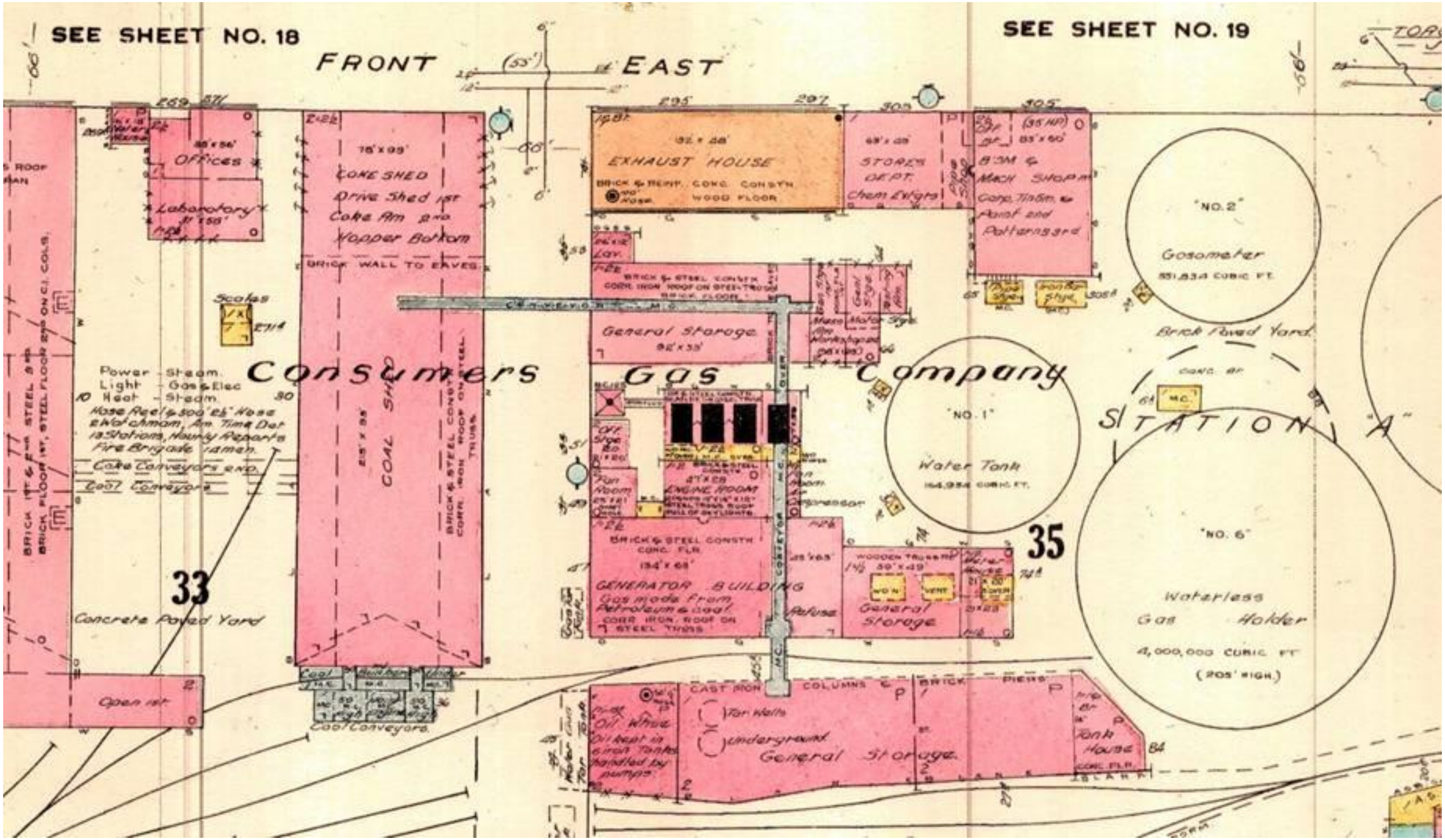
Historicist: Cartographic Civic Pride

BY KEVIN PLUMMER

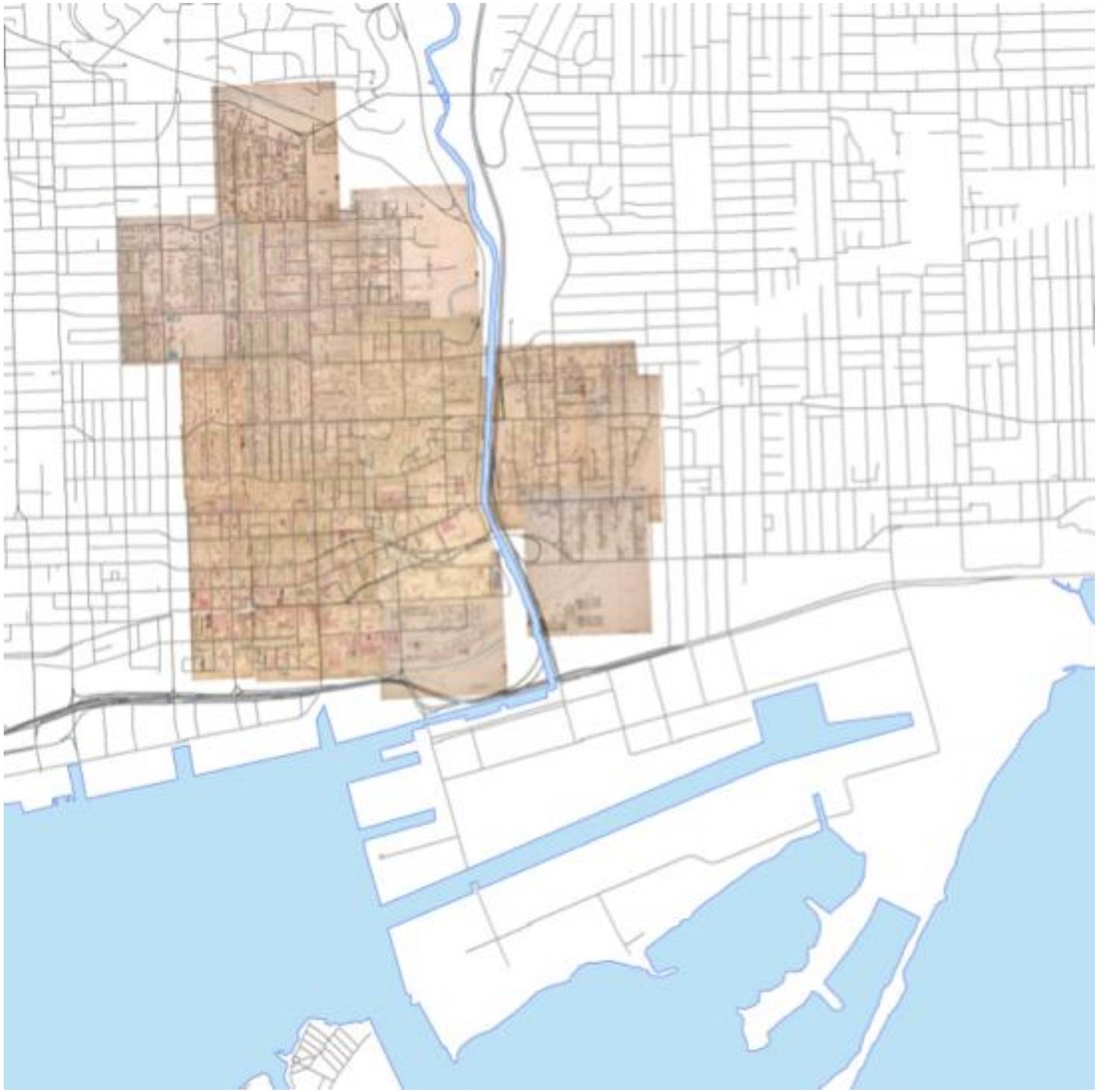
Every Saturday at noon, Historicist looks back at the events, places, and characters—good and bad—that have shaped Toronto into the city we know today.

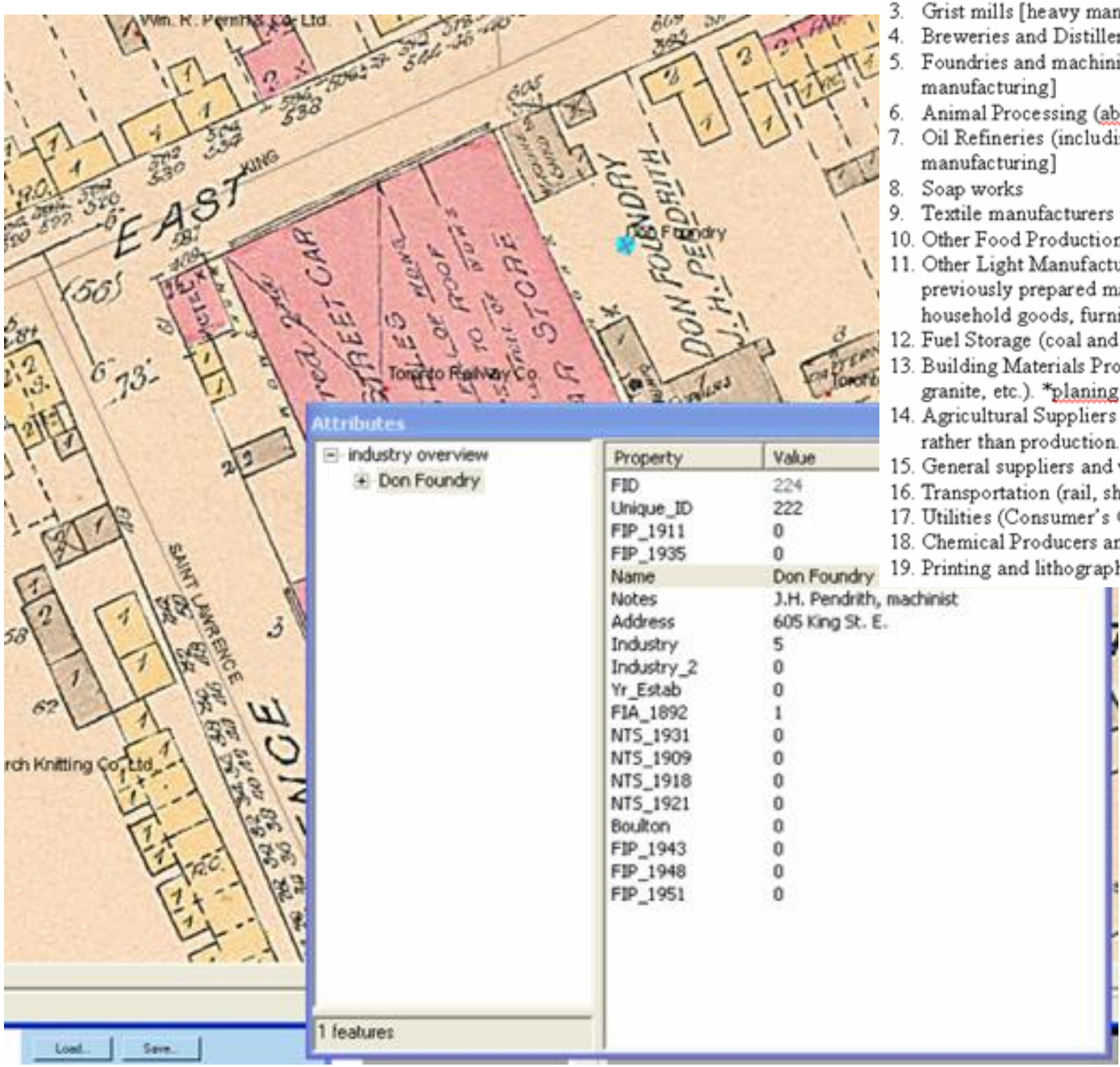
P.A. Gross' Lithographic Bird's Eye View of Toronto, 1876.


Don Valley Historical Mapping Project
Home
Maps
Data
Points of Interest
Resources
Acknowledgements
Don Valley Historical Mapping Project Background
Toronto's Don River Valley is arguably the city's most distinctive physical feature. As a provider of water, power, sustenance, building materials, and transportation, it has played an important role in the city's settlement and development. The river valley has changed dramatically in the years since European settlement, particularly during the late nineteenth and early twentieth century, when the Lower Don River was straightened and channelized and the huge marsh at its mouth drained and filled. Today, the Lower Valley forms the foundation for one of the most densely populated areas in Canada, outlining as it does the eastern portion of Toronto's downtown core and radiating residential areas.
This project documents historical changes in the landscape of the Don River Valley. Drawing from the wide range of geographical information available for the Don River watershed (and the Lower Don in particular), including historical maps, geological maps, fire insurance plans, planning documents, and city directories, the project uses Geographic Information Systems software to place, compile, synthesize and interpret this information and make it more accessible as geospatial data and maps.
The project is a work in progress. To date, we have scanned several dozen historical maps of Toronto and the Don River watershed, and compiled the following geospatial datasets: 1) changes to the river channel and shoreline of Toronto harbour, 1858-1918; 2) industrial development in the Lower Don River Watershed, 1857-1951 (as points, and in some cases polygons); 3) historical mill sites in the Don River Watershed, 1825; 18524) land ownership in the watershed, 1860 and 1878; and 4) points of interest in the watershed. In the future, we hope to expand the project to include data from other Toronto area watersheds and other parts of the city.

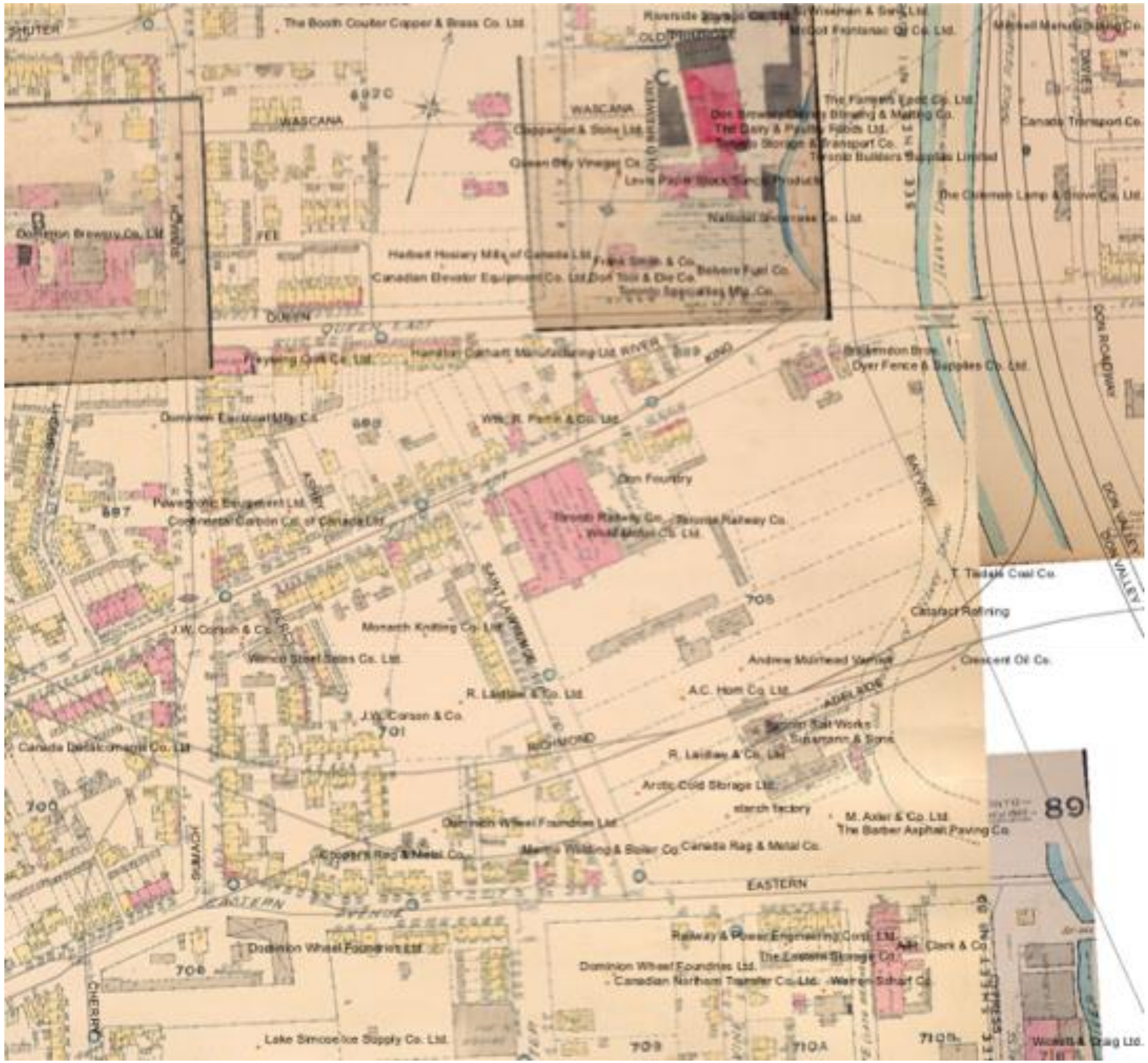


SEE SHEET NO. 18
SEE SHEET NO. 19
FRONT EAST
EXHAUST HOUSE
BRICK & REINF. CONC. CONSTN. WOOD FLOOR
STORES DEPT.
Offices
Laboratory
COKE SHED
Drive Shed 1st
Coke Rm 2nd
Hopper Bottom
BRICK WALL TO EAVES
Scales
General Storage
Consumers Gas Company
STATION "A"
"NO. 2"
Gasometer
"NO. 1"
Water Tank
"NO. 6"
Waterless Gas Holder
4,000,000 CUBIC FT
(205' HIGH.)
Brick Paved Yard
Power - Steam
Light - Gas & Elec
Heat - Steam
Fire Brigade
Coke Conveyors
Coal Conveyors
COAL SHED
ENGINE ROOM
Fan Room
BRICK & STEEL CONSTN
CONC. FLR.
GENERATOR BUILDING
Gas made from Petroleum & Coal
CORR. IRON ROOF ON STEEL TRUSS
General Storage
Refuse
Concrete Paved Yard
33
35
Open 1st
Coal Conveyors
Tar Wells
Underground General Storage
Oil whse
Tank House
CAST IRON COLUMNS & BRICK PIERS





1. Saw mills [heavy manufacturing: raw material to product]
2. Paper mills [heavy manufacturing]
3. Grist mills [heavy manufacturing]
4. Breweries and Distilleries [heavy manufacturing]
5. Foundries and machinists (iron works, engine works, boiler makers, etc) [heavy manufacturing]
6. Animal Processing (abbatoirs, rendering plants, tanneries); [heavy manufacturing]
7. Oil Refineries (including producers of oil-based paints and varnishes) [heavy manufacturing]
8. Soap works
9. Textile manufacturers
10. Other Food Production (bakeries, canned and bottled goods, etc)
11. Other Light Manufacturing (describes factories that create finished products from previously prepared materials—ie not from raw materials: household appliances, household goods, furniture, equipment (including carriages and ladders), clothing, etc.
12. Fuel Storage (coal and coal oil storage): storage and supply rather than production.
13. Building Materials Producers and Suppliers (lumber, cement, aggregates, glass, marble, granite, etc.). *planing mill would also go here.
14. Agricultural Suppliers (including animal feeds, fencing and wire): storage and supply rather than production.
15. General suppliers and warehousing: storage and supply rather than production.
16. Transportation (rail, shipping, etc)
17. Utilities (Consumer's Gas, etc)
18. Chemical Producers and Suppliers
19. Printing and lithographing


The Booth Coulter Copper & Brass Co. Ltd
WASCANA
OLD BREWERY
Dominion Brewery Co. Ltd
Canadian Elevator Equipment Co. Ltd
QUEEN EAST
KING
RIVER
Don Foundry
Toronto Railway Co.
Monarch Knitting Co. Ltd
J.W. Corson & Co.
R. Laidlaw & Co. Ltd
A.C. Horn Co. Ltd
ADELAIDE
RICHMOND
Arctic Cold Storage Ltd
starch factory
M. Axler & Co. Ltd
The Barber Asphalt Paving Co.
Canada Rag & Metal Co.
EASTERN
Dominion Wheel Foundries Ltd.
Lake Simcoe Ice Supply Co. Ltd.
T. Tisdale Coal Co.
Cataract Refining
Crescent Oil Co.
Canada Transport Co.
DON ROADWAY
BAYVIEW
SUMACH
CHERRY
701
705
706
709
710A
89





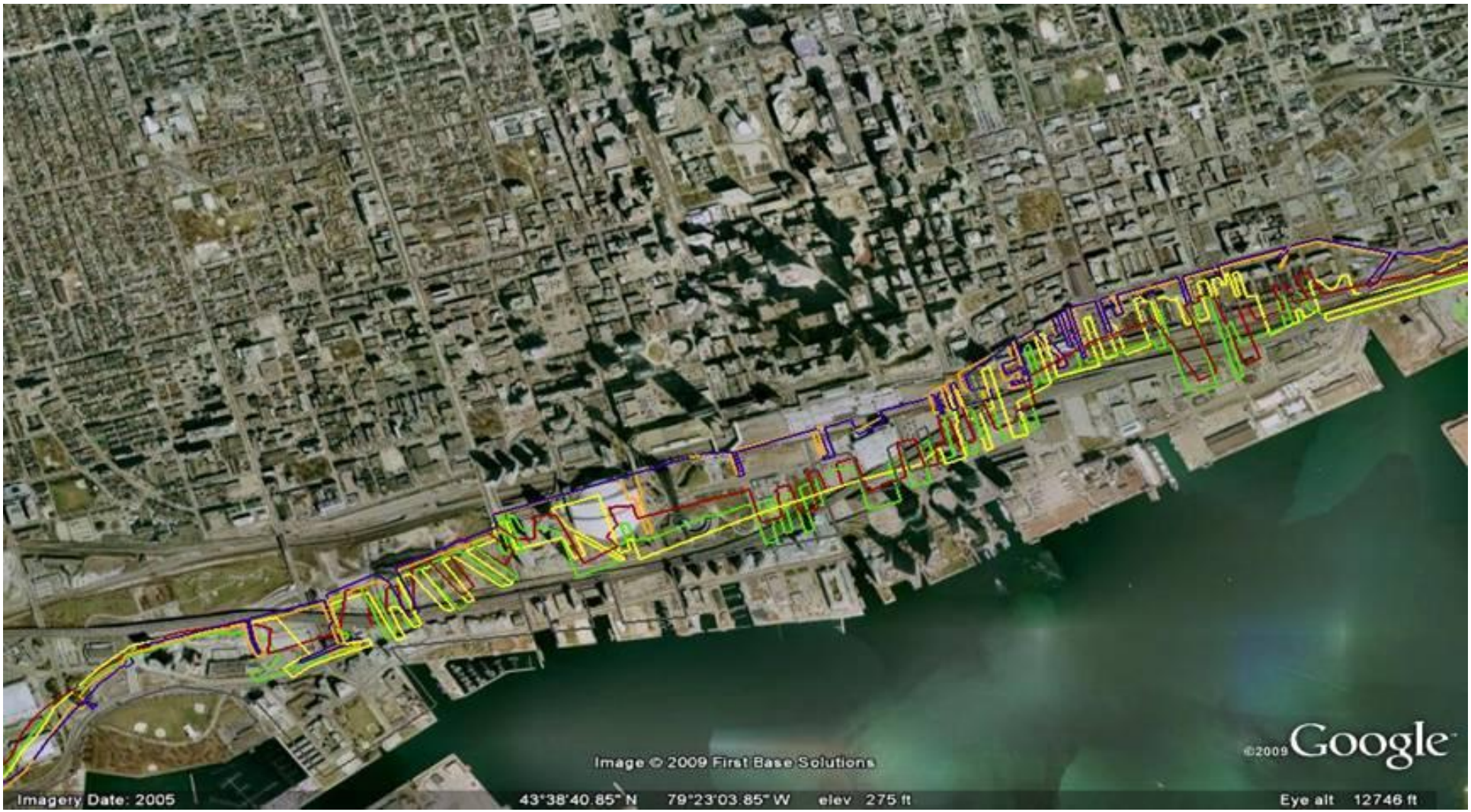



Image © 2009 First Base Solutions
©2009 Google
Imagery Date: 2005
43°38'40.85" N 79°23'03.85" W elev 275 ft
Eye alt 12746 ft


Image © 2009 First Base Solutions
©2009 Google
Imagery Date: 2005
43°39'46.40" N 79°21'27.34" W elev 273 ft
Eye alt 6928 ft

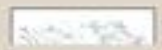
Geospatial Data (need help viewing these files, follow this link)

Title: Industry
Feature Type: points
Years: 1825-1951
Version Date: 05-10-2009
Datum and Projection: NAD83, UTM Zone 17
Download (shapefile and lookup table): All Years
Download (MXD - ArcMap): 1892; 1909; 1911; 1935; 1937; 1943; 1946; 1951
Download (LYR - ArcMap): 1827; 1852; 1858; 1862; 1937
Download (Google Earth format): industry (joined with lookup table; not all fields available)
WMS: coming soon...
Metadata (ISO 19139): xml

Title: Industry - Animal Processing
Feature Type: polygons
Years: 1852; 1909; 1911; 1935; 1942; 1946; and 1951
Version Date: 05-10-2009
Datum and Projection: NAD83, UTM Zone 17
Download (shapefile and lookup table): 1852; 1909; 1911; 1935; 1943; 1946; 1951
Download (Google Earth format): 1852; 1909; 1911; 1935; 1943; 1946; 1951
WMS: coming soon...
Metadata (ISO 19139): 1852; 1909; 1911; 1935; 1943; 1946; 1951

Title: Industry - Breweries & Distilleries
Feature Type: polygons
Years: 1852; 1909; 1911; 1935; 1942; 1946; and 1951
Version Date: 05-10-2009
Datum and Projection: NAD83, UTM Zone 17
Download (shapefile and lookup table): 1852; 1909; 1911; 1935; 1943; 1946; 1951
Download (Google Earth format): all; 1852; 1909; 1911; 1935; 1943; 1946; 1951
WMS: coming soon...
Metadata (ISO 19139): 1852; 1909; 1911; 1935; 1943; 1946; 1951

Title: Industry - Oil & Gas
Feature Type: polygons
Years: 1852; 1909; 1911; 1935; 1943-1946; and 1951
Version Date: 05-10-2009
Datum and Projection: NAD83, UTM Zone 17
Download (shapefile and lookup table): 1852; 1909; 1911; 1935; 1943-1946; 1951
Download (Google Earth format): 1852; 1909; 1911; 1935; 1943-1946; 1951
WMS: coming soon...
Metadata (ISO 19139): 1852; 1909; 1911; 1935; 1943- 1946; 1951



Title: Creeks - Streams - Lost Rivers
Feature Type: lines
Years: 1577- 1672; 1687- 1801; 1852; 1909; 1918

Title: Government Reserve (created from William Chewett's 1802 map of David Smith's estate)
Feature Type: polygons
Years: 1802
Version Date: 05-10-2009
Datum and Projection: NAD83, UTM Zone 17
Download (shapefile and lookup table): govt_reserve.zip
Download (Google Earth -KML/K9Z format): Government Reserve
WMS: coming soon...

Title: Old York Boundary (created from J.G. Chewett's 1827 Plan of the Town of York, corrected)
Feature Type: polygons
Years: 1827
Version Date: 05-10-2009
Datum and Projection: NAD83, UTM Zone 17
Download (shapefile and lookup table): old_town.zip
Download (Google Earth -KML/K9Z format): Old Town
WMS: coming soon...

ArcReader GIS data desktop viewer can be downloaded from here. Google Earth can be downloaded here.

"In the Don, there's 150 years of history to reverse," says Ontario Ministry of the Environment research scientist Paul Helm. Change on that scale "doesn't happen on a dime."

Enough dimes, however, will soften history's more egregious insults, and a series of successful regreening efforts offer hope for a broader transformation of the river. When Nancy Penny moved to her Scarborough neighbourhood in the 1970s, the local section of Taylor Massey Creek was confined to what she calls a "concrete ditch" running through parkland that was "basically a dog toilet: a grass field with a few trees."

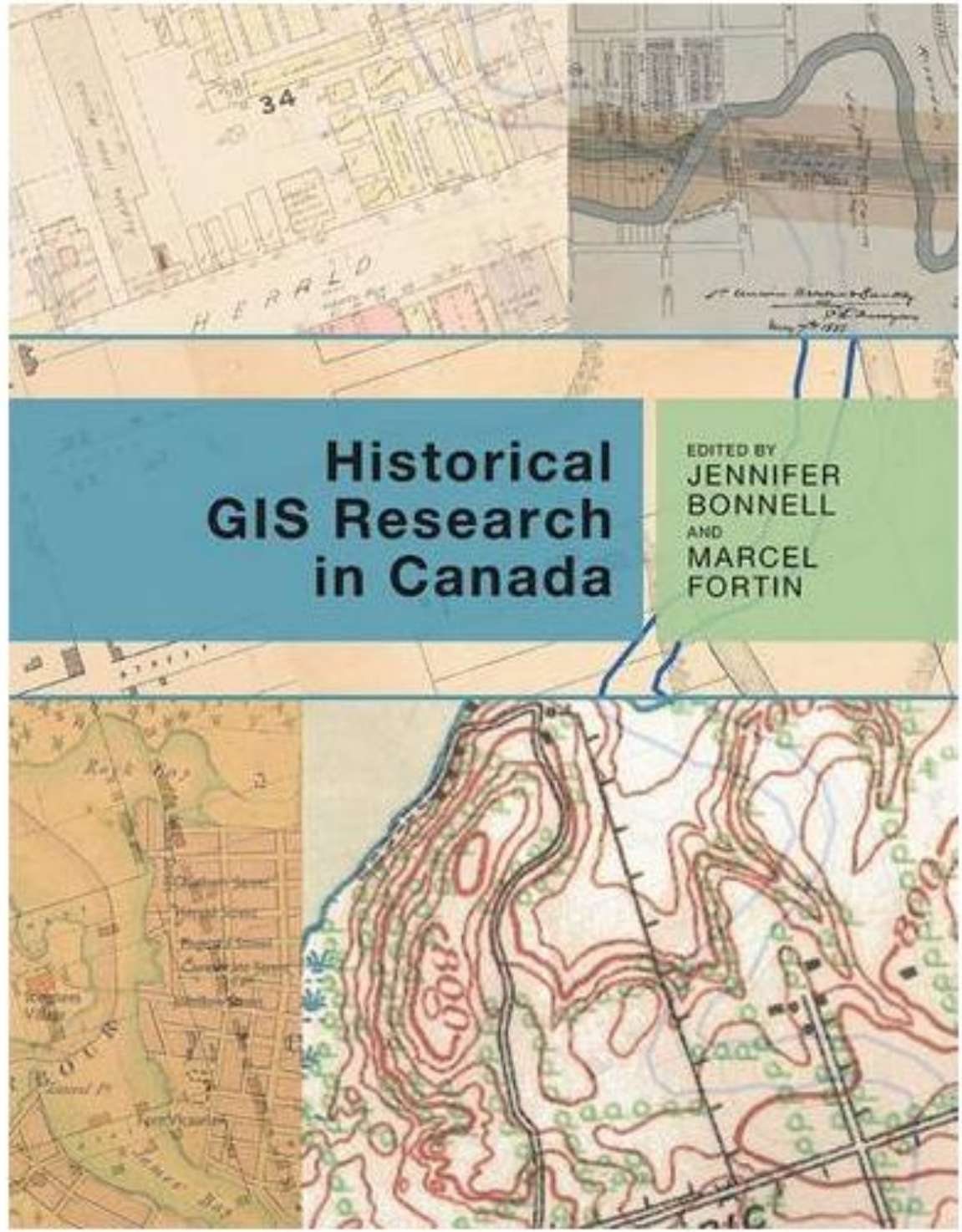
The blunt-spoken daughter of a trapper, Penny grew up on the shores of Great Slave Lake, in the Northwest Territories. Transplanted to Toronto, she was appalled by the state of the Don's easternmost major tributary. "I wanted my kids to be able to walk in the park, where they'd have trees and bushes and ponds and birds and maybe a few foxes and raccoons and squirrels."

Penny mobilized parents as well as staff and children at local schools, convincing city politicians and the Toronto and Region Conservation Authority (TRCA) to spend $1.5

Click map to enlarge

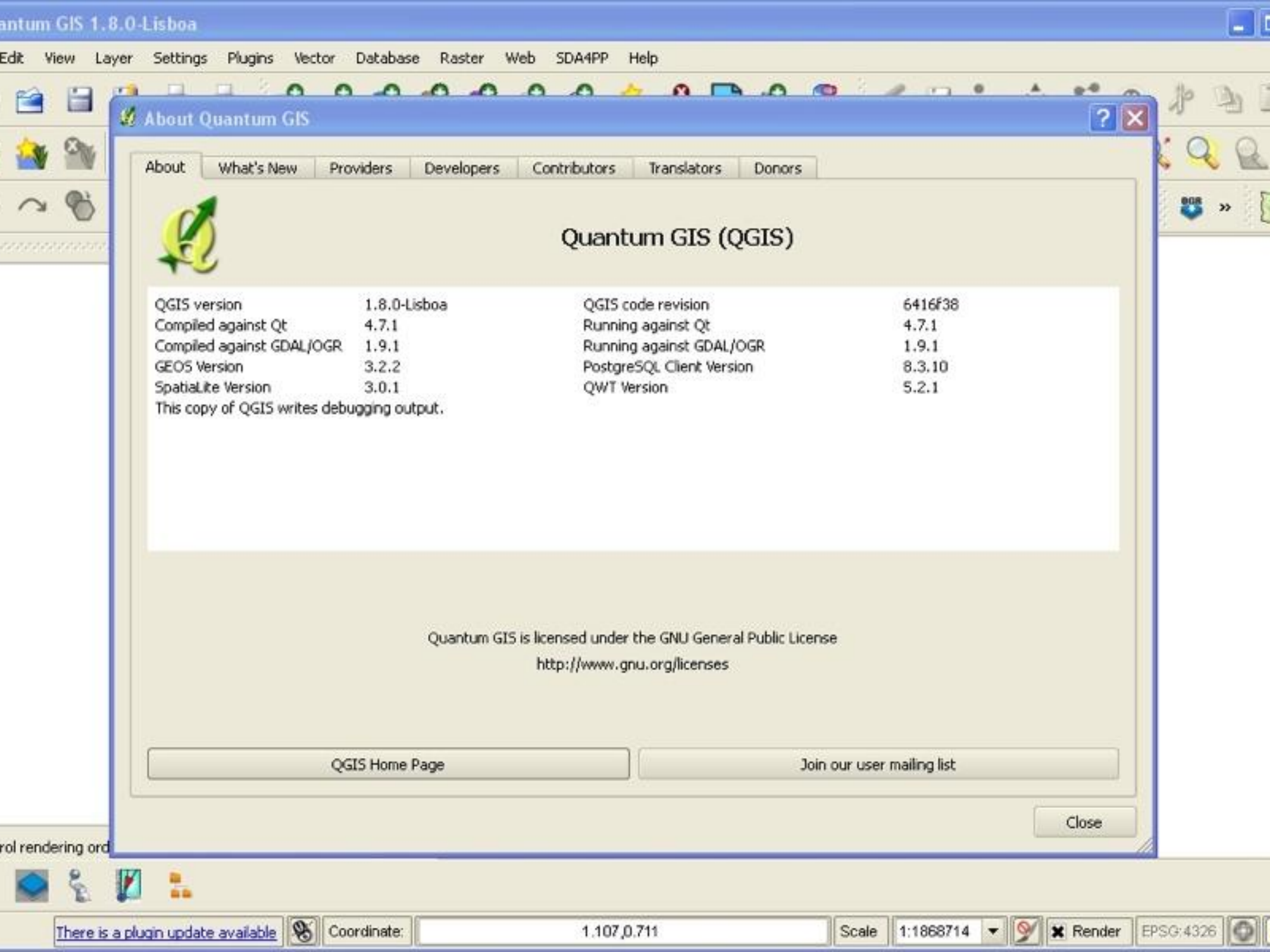
Draw me a river

As she assembled a picture of the Don River's industrial past, historian Jennifer Bonnell found herself struggling with 19th-century fire insurance plans, each one bigger than the



Historical GIS Research in Canada

EDITED BY
JENNIFER BONNELL
AND
MARCEL FORTIN


antum GIS 1.8.0-Lisboa
Edit View Layer Settings Plugins Vector Database Raster Web SDA4PP Help
About Quantum GIS
About What's New Providers Developers Contributors Translators Donors
Quantum GIS (QGIS)
QGIS version 1.8.0-Lisboa
Compiled against Qt 4.7.1
Compiled against GDAL/OGR 1.9.1
GEOS Version 3.2.2
SpatiaLite Version 3.0.1
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QGIS code revision 6416f38
Running against Qt 4.7.1
Running against GDAL/OGR 1.9.1
PostgreSQL Client Version 8.3.10
QWT Version 5.2.1
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rol rendering ord
There is a plugin update available
Coordinate:
1.107,0.711
Scale
1:1868714
Render
EPSG:4326

MDL Reference Statistics