

#### Agenda

- GIS Project Description
- Geographic Information Systems (GIS) and Geospatial Data
- Methodology and Sources
- Results of Project
- Challenges
- Future of Project

## Geographic Information Systems (GIS) Project to Map:

- Historical change of physical features :
  - Don River (1858 1918)
  - Lake Ontario shoreline (1858 1918)
  - Creeks/Lost rivers (1858 1918)
  - Ashbridges Bay (1858 1918)
- Industry (1825) (1858 1950)
- Land Ownership (1860 & 1878)

# Geographic Area of Project: Watershed



#### GIS & Geospatial Data?

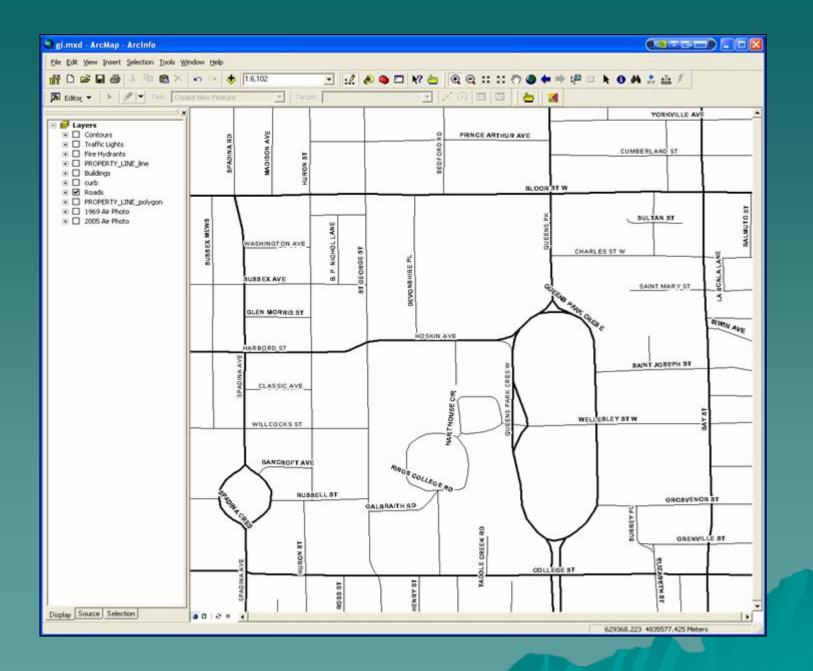
Technology to:

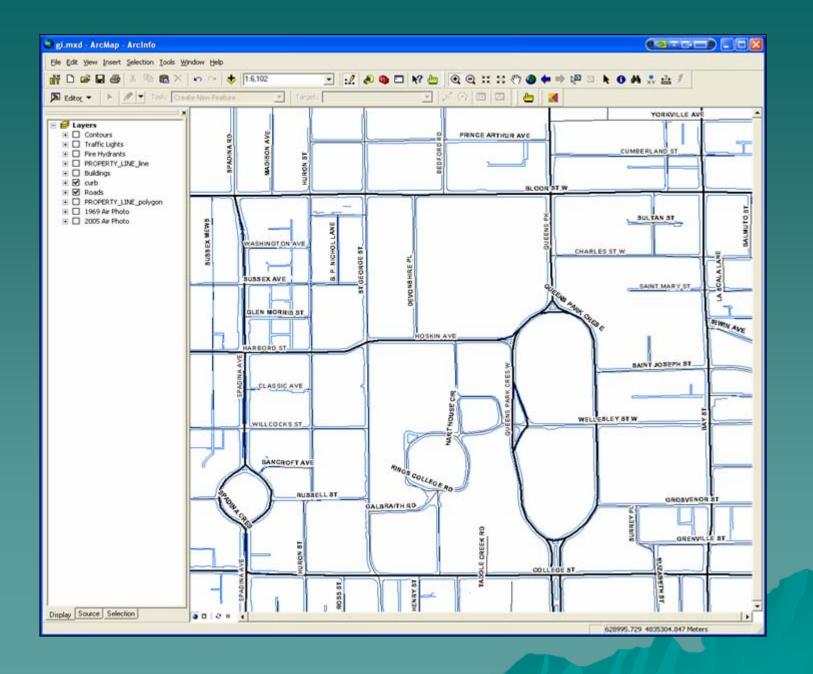
- Compile
- Store
- Manipulate
- Display
- Analyze

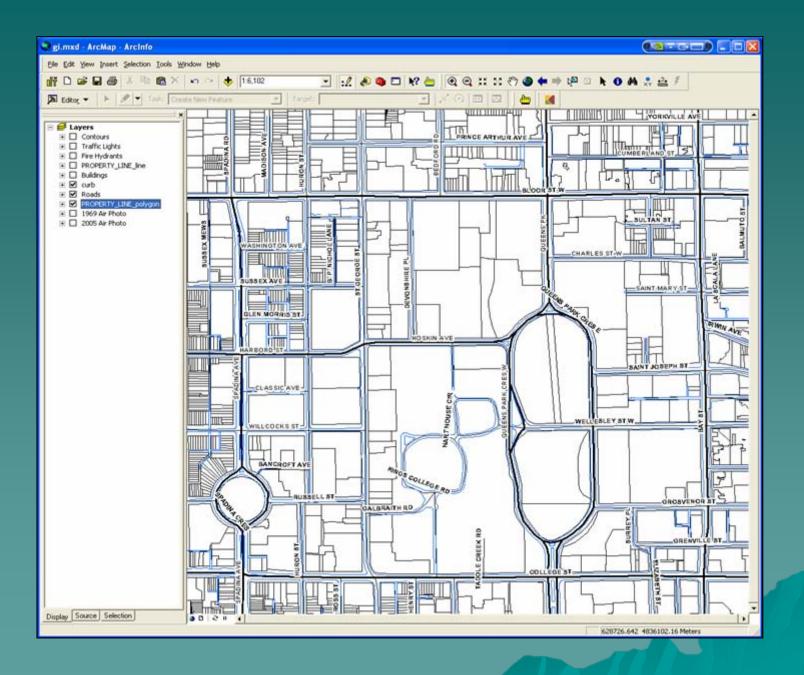
Geospatial Data

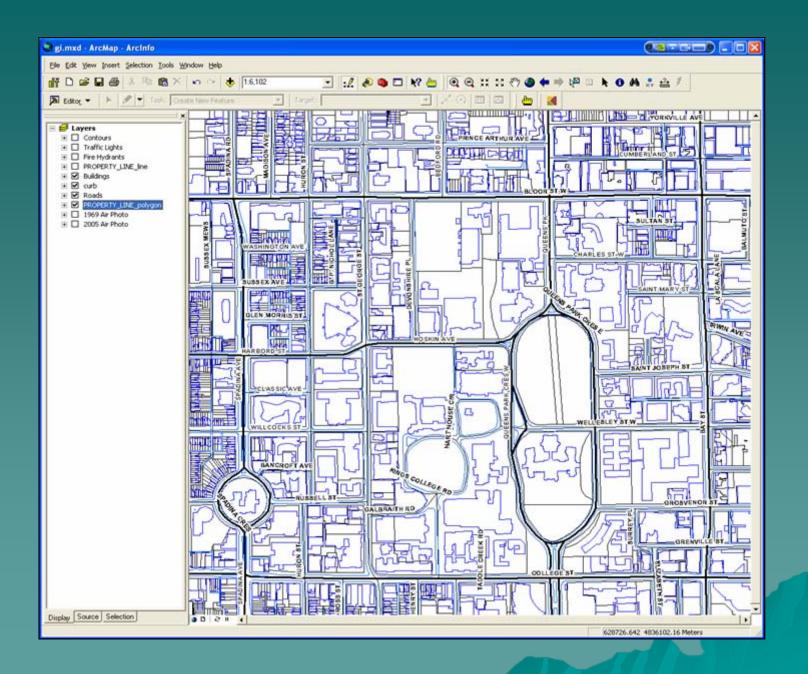
# What does GIS data look like?

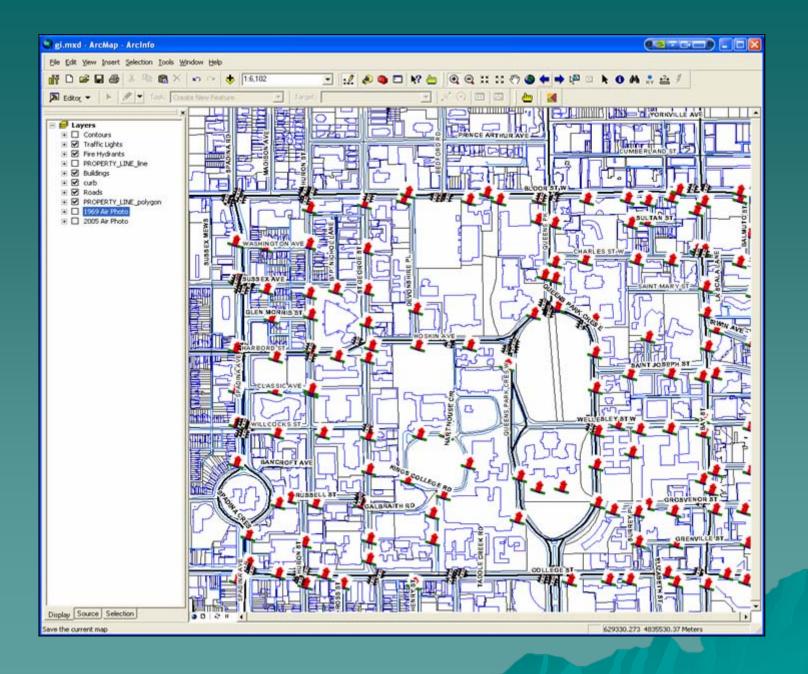
A Look at ArcMap 9.3

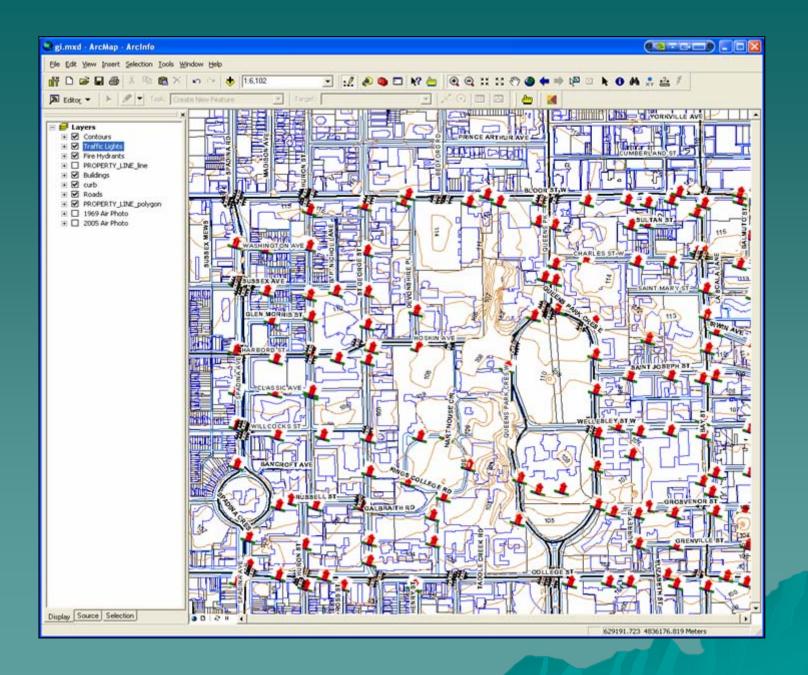




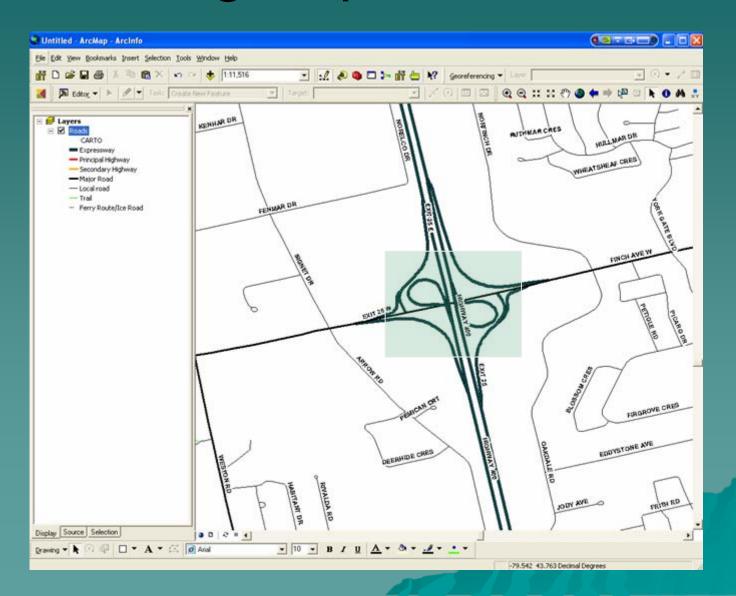




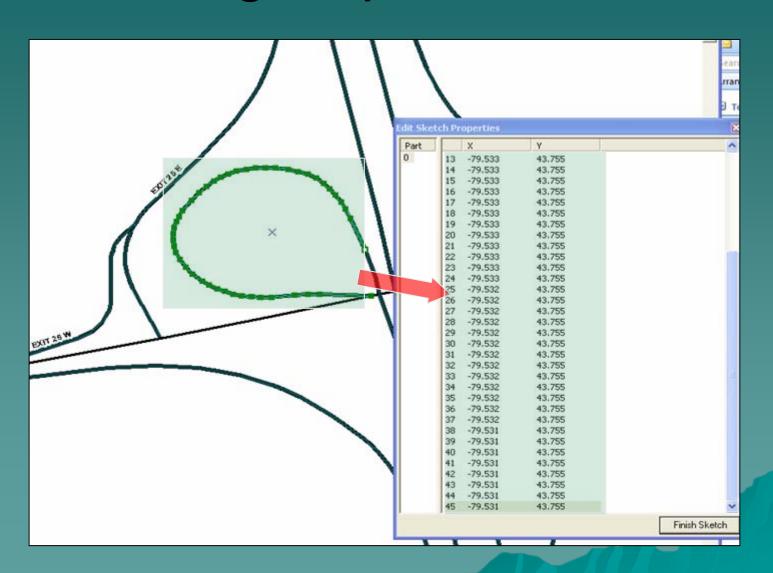




#### How are geospatial data built?

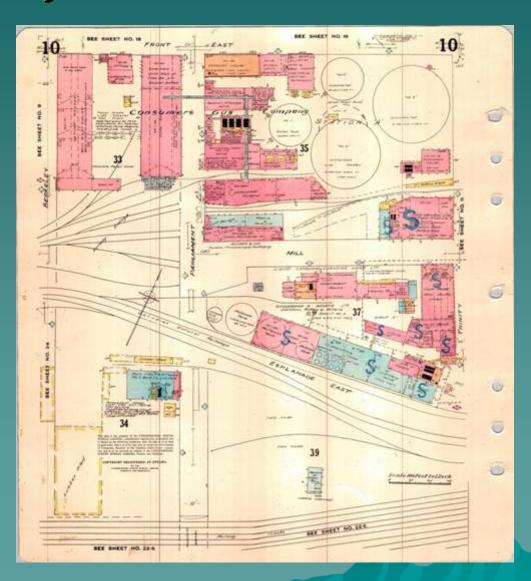


#### How are geospatial data built?

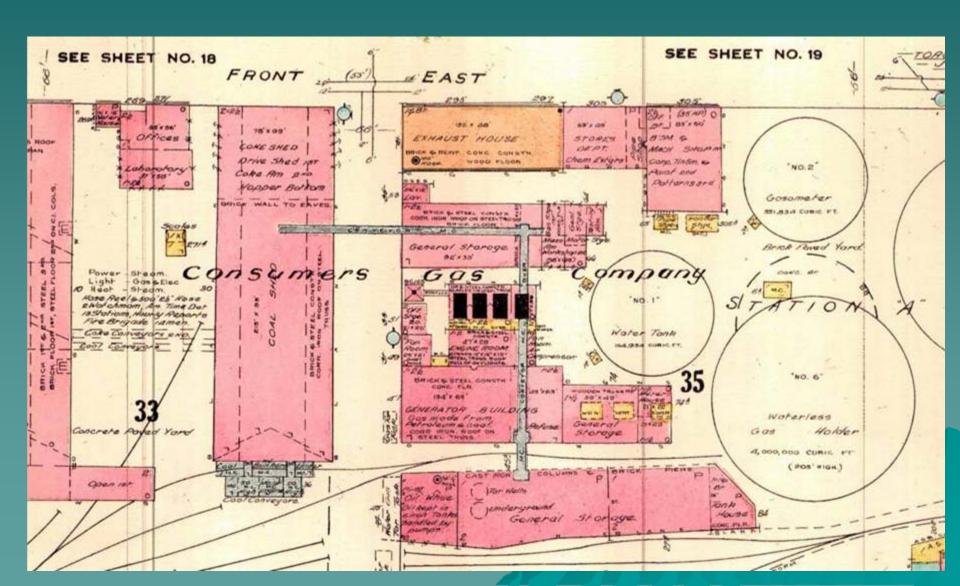


# Methodology and Sources

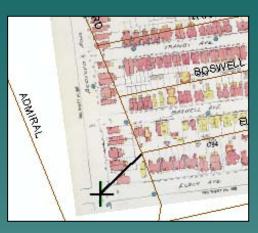
#### Industry: Fire Insurance Plans



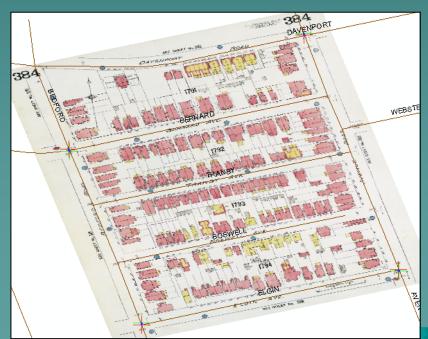
#### Industry: Fire Insurance Plans



#### Georeferencing







#### Industry: City Directories

68

TORONTO BUSINESS DIRECTORY.

Wilson, Thomas, 71 Nelson-street. Woodall, George, 11 St. Lawrence Arcade. Woolley, Miss, 293 Yonge-street. Yeo, Samuel, 116 York-street. SMITH, W. W., 80 Queen-street west. Morrison, J., 234 Queen-street west.

> Furnaces (Hot-air). (See also Stove and Tin Dealers.)

Boxall, John, 50 Queen-street west. Boxall & Brother, 50 Queen-street west.

Furniture Manufacturers and Dealers.
(See also Cabinet Makers and Upholsterers.)

Bond, John, 209 King-street east.
Doyle. Matthew, 97 Yonge-street.
FRANCIS, T., 197 Yonge-street.
Jacques & Hay, Front, cor Bay-street, and King, cor Bay-street.
Hollins, R. T., 187 Yonge street.
HULME, C. L., 194 King-street east.
Krigler, Thos., 240 King-street east.
Miall & Co., 6 and 8 Front-street west.
Matthews, H., 241 Yongo-street.
Moore, D., 299 Yonge-street.
O'CONNOR, CHARLES, 226 Yonge-street.
PHIPPS, GEORGE, 84 King-street west.
Waterson, W., 315 Yonge-street.
West, W., 21 Adelaide-street east.

#### Furniture Mover.

Sparling, Christopher, 67 Victoria-street.

Figure Maker and Plaster Paris Worker. CASCI, V., 3 Stanlor et al.

Furriers.
(See Hatters and Furriers.)

Gas Company.

Consumers' Gas Company, 19 Toronto-street.

Gas Fitters.
See Plumbers and Gas Fitters

Gilders.

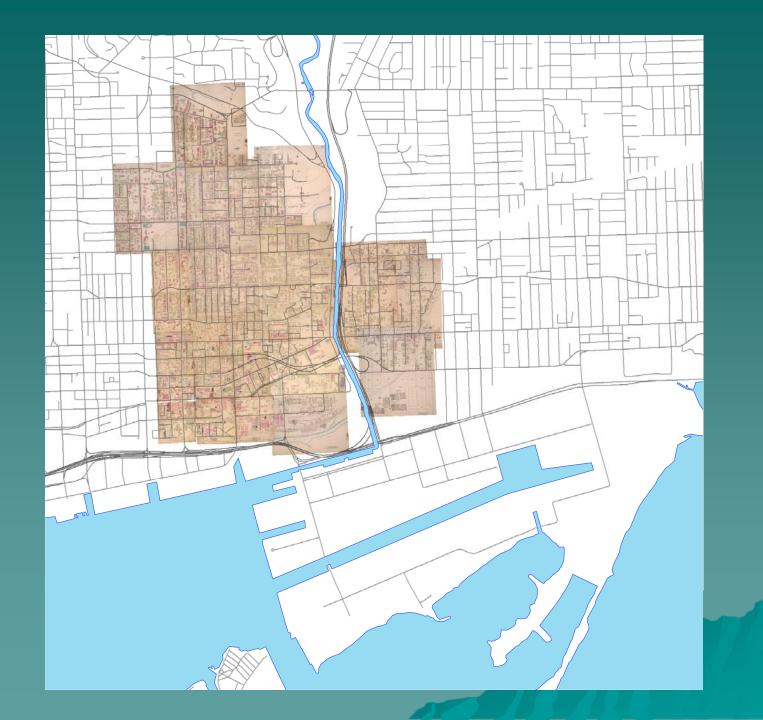
(See Carvers and Picture Frame Makers.)

Glass Stainers.

McCausland & Horwood, 119 Bay-street.

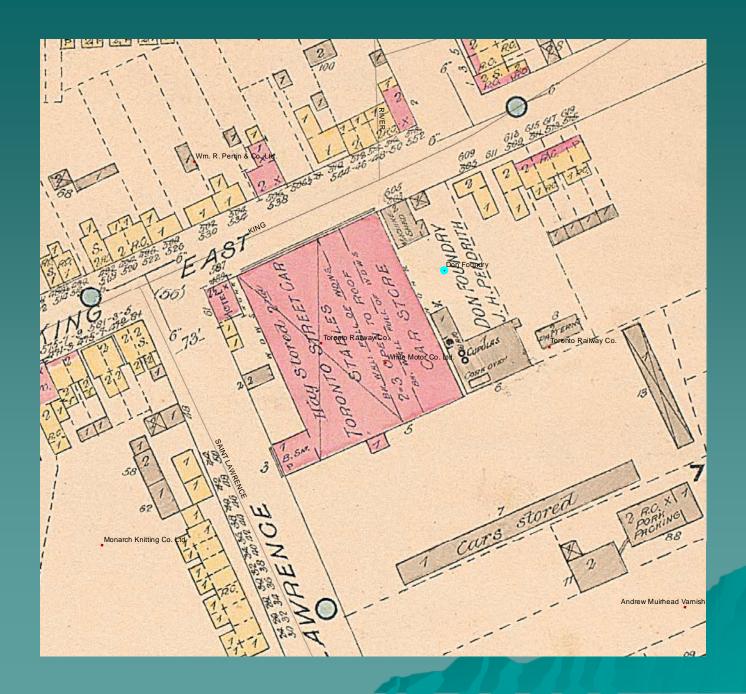
Lamb. Peter R., near Necropolis.

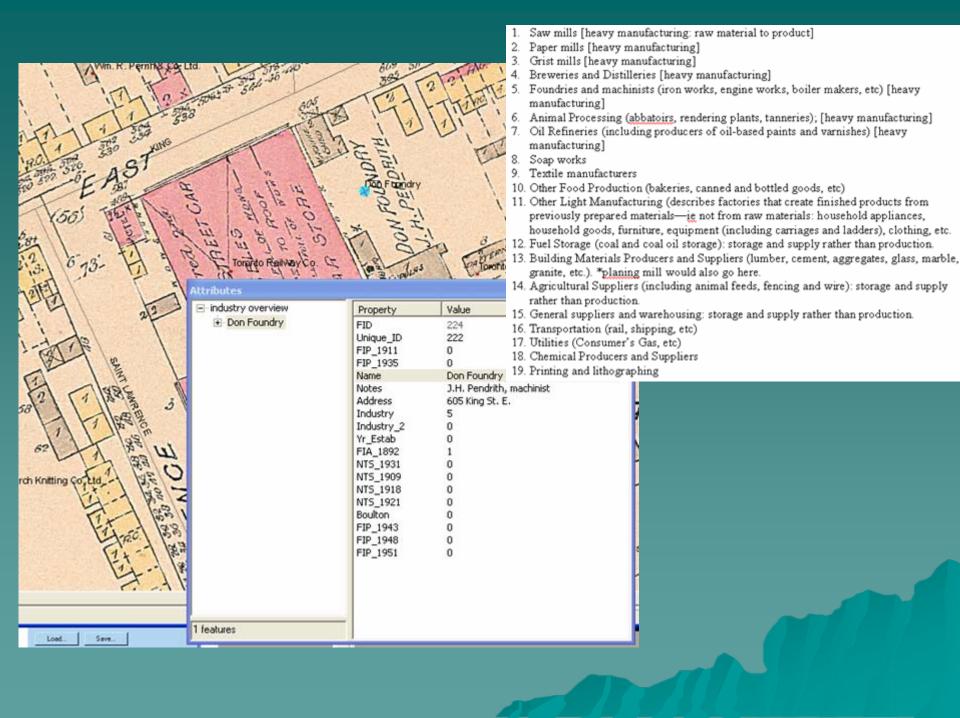
Glue Manufacturers. Carr, Samuel, Davenport Road, Yorkville.



#### 1892 / 2008









#### ■ Attributes of industry overview

FI Sh Uniqu	Name	Address	Notes	Industr	Industry_2	Boulto	FIA_1892	NTS_1909	FIP_1911	NTS_1918	NTS_1921	NTS_1931
0 Poi 1	National Iron Works Ltd.	324 Cherry St.	later National Iron Corp	5	0	0	0	0	1	0	0	0
1 Poi 2	British American Oil Co. Ltd.	Cherry St. and Keatin		7	0	0	0	. 0	0	0	0	0
16 Poi 2	British American Oil Co. Ltd.	Keating Ave. (now L		7	12	0	0	0	0	0	0	0
2 Poi 3	Toronto Iron Co.	Cherry St.		5	0	0	0	0	1	0	0	0
3 Poi 4	Standard Fuel Co. Ltd.	Mil St.		12	0	0	0	0	1	0	0	0
4 Poi 5	The Wm. Davies Company Ltd.	521 Front St. E.		6	10	0	1	0	1	0	0	0
81 Poi 5	The Wm. Davies Company Ltd.	55-65 Parliament St.		6	10	0	0	0	1	0	0	0
5 Poi 6	John Taylor & Co. Ltd.	531 Front St. E.	soap and perfume man	8	0	0	0	0	1	0	0	0
7 Poi 7	Wickett & Craig Ltd.	1-37 Cypress St.	tannery, known as Bic	6	0	0	0	0	1	0	0	0
46 Poi 7	Bickell & Wickett Ltd.	1-37 Cypress St.	tannery	6	0	0	1	0	0	0	0	0
6 Poi 8	The Eastern Storage Co.	Eastern Ave. at Over		15	0	0	0	0	1	0	0	0
8 Poi 9	Laidlaws Ltd.	Overend St. at Easter		13	0	0	0	0	1	0	0	0
9 Poi 10	Canadian Northern Transfer Co. Ltd.	Cherry St. at Front St		16	0	0	0	0	1	0	0	0
10 Poi 11	J.M. Purvis	2 Don Esplanade	cotton manufacturing	9	0	0	0	0	1	0	0	0
23 Poi 12	Toronto Railway Co.	92 King St. E.		16	0	0	0	0	1	0	0	0
22 Poi 12	Toronto Railway Co.	591 King St. E.	streetcar stables	16	0	0	1	0	0	0	0	0
11 Poi 13	Gooderham & Worts Ltd.	7	cattle operations	6	0	0	0	0	1	0	0	0
84 Poi 13	Gooderham & Worts Ltd.	2-16 Trinity St.	distillery	4	0	- 1	1	0	1	0	0	0
85 Poi 13	Gooderham & Worts Ltd.	63 Trinity St.	cooperage	- 11	0	0	1	0	1	0	0	0
93 Poi 13	Gooderham & Worts Ltd.	west side of Trinity S	distillery	4	0	1	1	0	1	0	0	0
24 Poi 13	Gooderham & Worts Ltd.	424 Front St. E.	cooperage	5	0	0	1	0	0	0	0	0
12 Poi 14	Sovereign Varnish & Oil Co.	357-359 Eastern Ave	later Samuel Jardine So	.7	0	0	0	0	1	0	0	0
35 Poi 15	Martin Pump & Machine Co. Ltd.	47 Davies Ave.		5	0	0	0	0	1	0	0	0
13 Poi 16	Lever Bros. Ltd. Sunlight Soap Works	Eastern Ave. at Don		8	0	0	0	0	1	0	0	0
38 Poi 16	Lever Bros. Ltd.	Don Roadway S.	old Gooderham & Wort	8	0	0	0	0	0	0	0	0
68 Poi 17	Dominion Wheel Foundries Ltd.	Eastern Ave. at Sum		- 11	0	0	0	0.	1	0	0	0
37 Poi 17	Dominion Wheel Foundries Ltd.	north side of Eastern		11	0	0	0	0	0	0	0	0
37 Poi 17	Dominion Wheel Foundries Ltd.	121-179 Eastern Ave	business expansion int	11	0	0	0	0	0	0	0	0
46 Poi 18	Taylor Butler	103 Ontario St.	planing mill	13	0	0	1	0	0	0	0	0
15 Poi 19	Cleansoline Refrigerating Co. Ltd.	Booth Ave.		18	0	0	0	0	1	0	0	0
16 Poi 20	One Minute Manufacturing Co.	Logan Ave.	manufacturing of dome	11	0	0	0	0	1	0	0	0
17 Poi 21	Freyseng Cork Co. Ltd.	61-71 Sumach St.		13	0	0	1	0	1	0	0	0
18 Poi 22	Hamilton Carhartt Manufacturing Ltd.	535 Queen St. E.		11	0	0	0	0	1	0	0	0
19 Poi 23	Wm. R. Perrin & Co. Ltd.	530 King St. E.	packing machinery & pr	5	0	0	0	0	1	0	0	0
20 Poi 24	J.W. Corson & Co.	Sumach St.	coal, wood, coke & car	13	0	0	0	0	1	0	0	0
21 Poi 24	J.W. Corson & Co.	Funston St. secondar	secondary location	13	0	0	0	0	1	0	0	0
46 Poi 25	Treloar, Blashford & Co.	6-8 Berkeley St.	founders & moulders	5	11	0	1	0	0	0	0	0
22 Poi 26	R. Laidlaw & Co. Ltd.	St. Lawrence St.	lumber	13	0	0	0	0	1	0	0	0
24 Poi 27	Dyer Fence & Supplies Co. Ltd.	Don Esplanade W. at		14	0	0	0	0	1	0	0	0
27 Poi 28	Andrew Muirhead Varnish	St. Lawrence St.	varnish factory	7	0	0	0	0	1	0	0	0

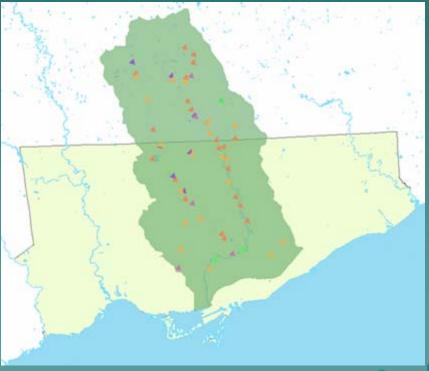
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### Project Results

#### Industry 1825 & 1852





#### Industry 1858 & 1892





#### Industry 1909-1930's





### Industry 1935-37





#### Industry 1940's-1950's



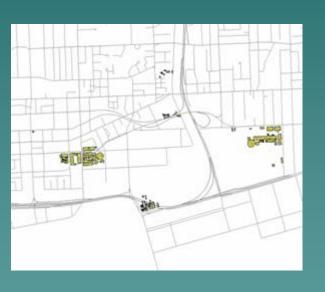


## Querying the Data: Foundries in 1911 & 1935





#### Oil and Gas footprints 1911-51





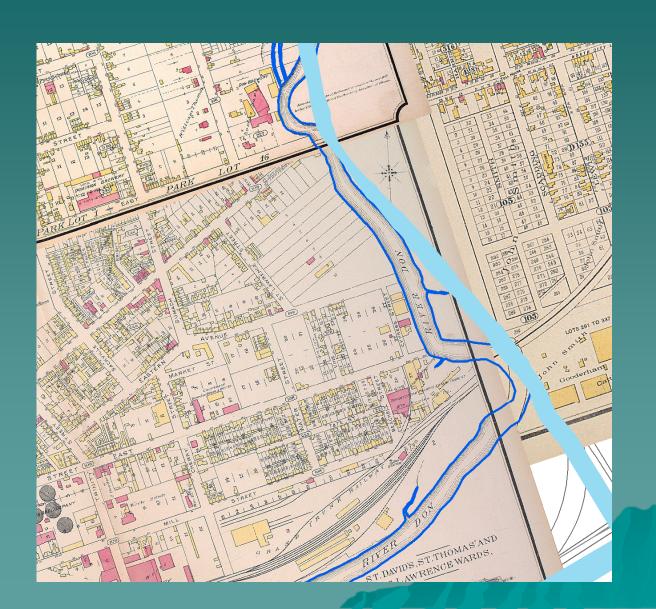


#### River, Shoreline, and Ashbridges Bay

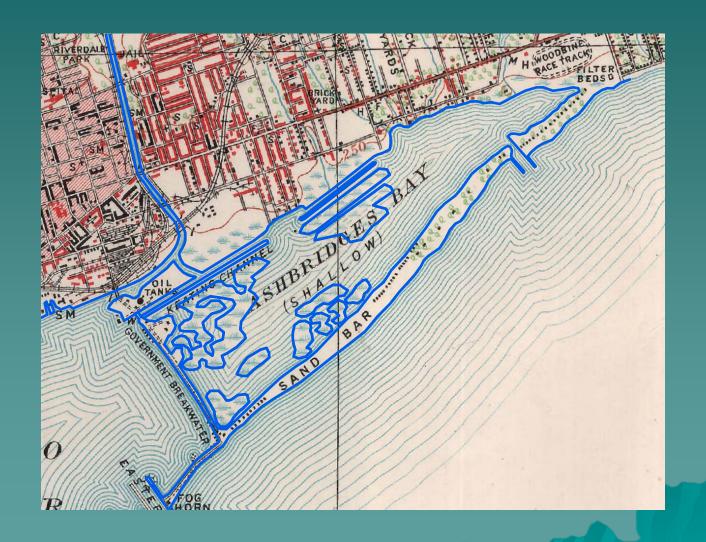


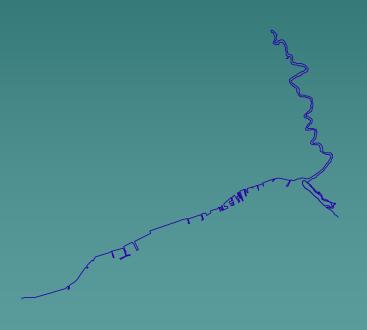
#### River, Shoreline, and Ashbridges Bay

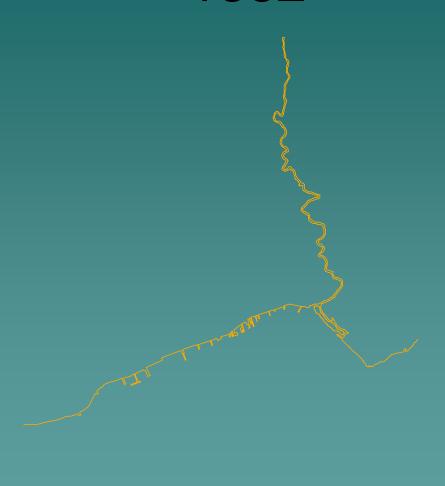




# Ashbridges Bay





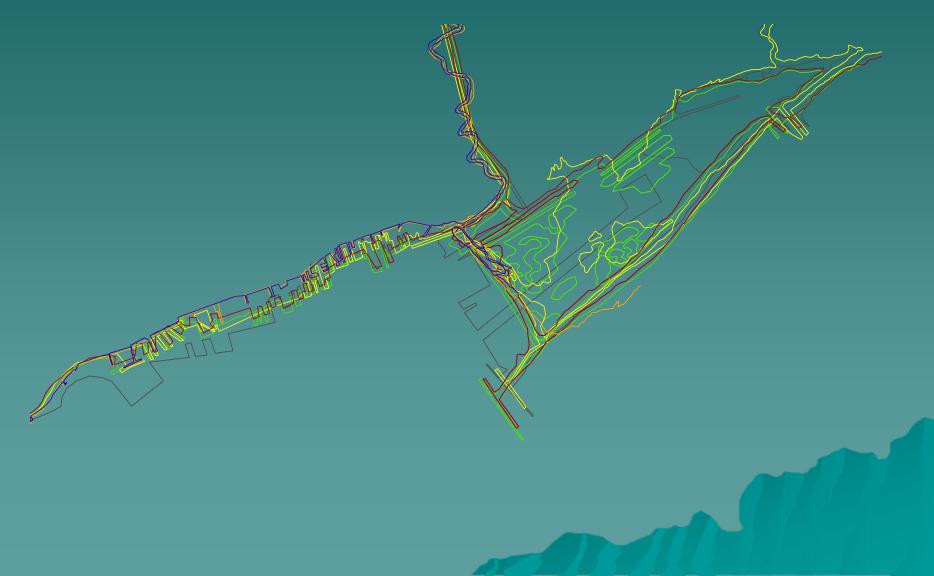








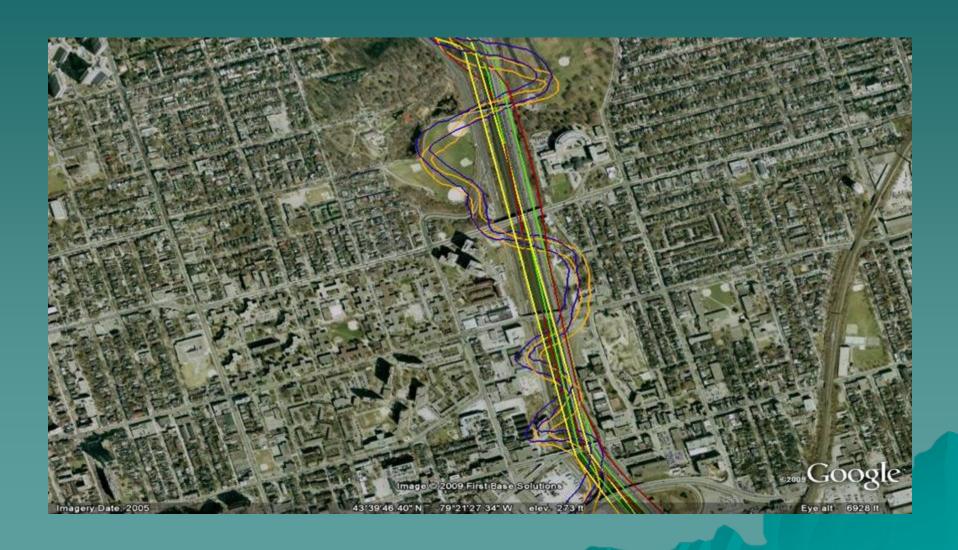




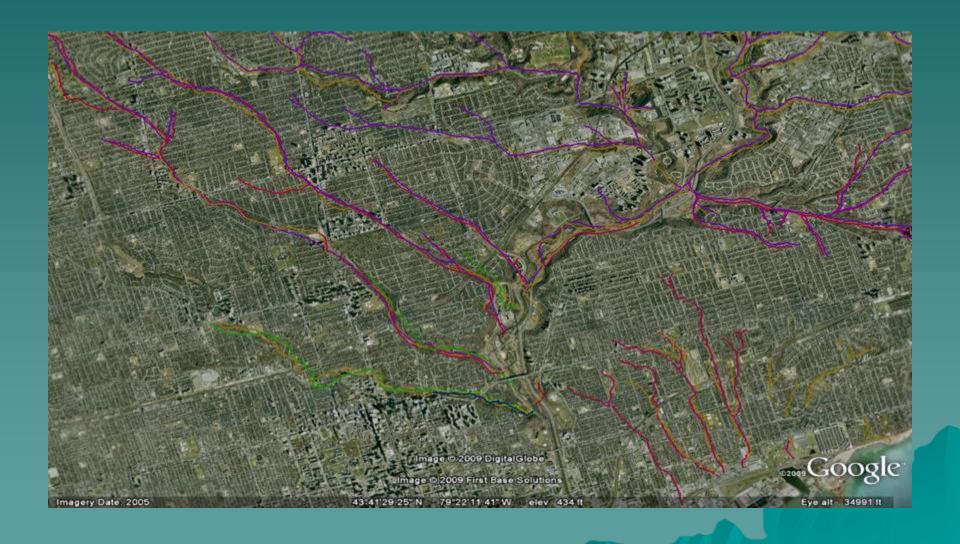
### Shoreline on Google Earth



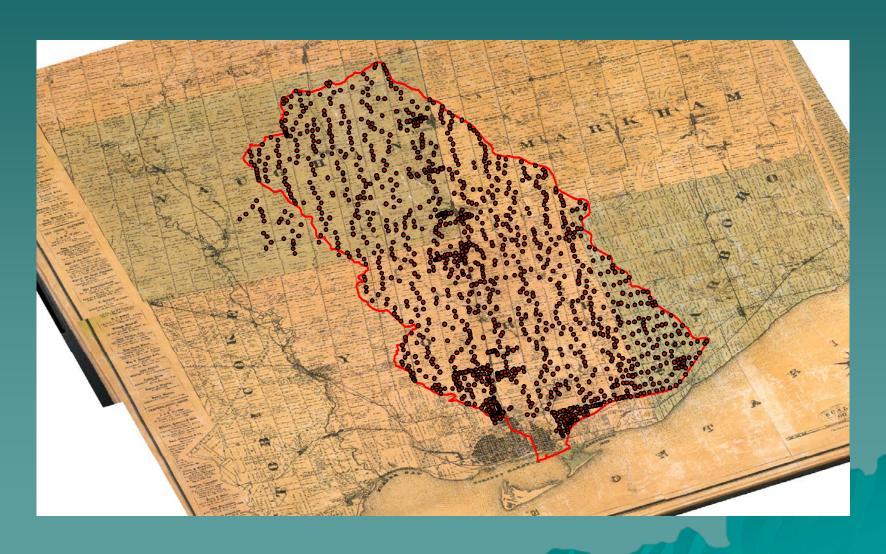
#### Don River on GE



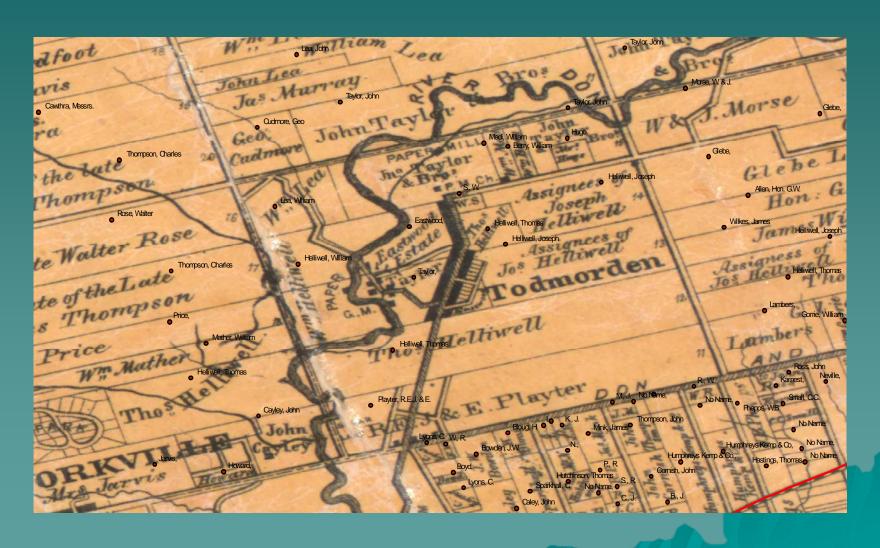
#### Creeks/Lost Rivers on GE



# Land Ownership 1860



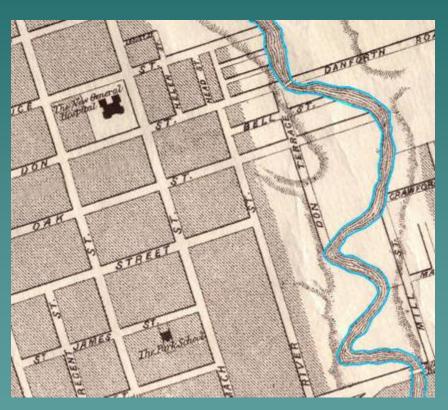
## Land Ownership 1860



# Land Ownership 1878



### Challenges – Accuracy





Toronto, Canada West G 3524 T61 1857

Boulton Atlas 1858

## Documentation / Compilation

0   Pol	Sh	Uniqu	Name	Address	Notes	Industr	Industry_2	Boulto	FIA_1892	NTS_1909	FIP_1911	NTS_1918	NTS_1921	NTS_193
16   Poi   2   British American Oil Co. Ltd.   Reating Ave. (now L   7   12   0   2   Poi   3   Toronto Iron Co.   Cherry St.   5   0   0   0   0   0   0   0   0   0	Poi	1	National Iron Works Ltd.	324 Cherry St.	later National Iron Corp		0	0	0	0	1	0	0	
2   Poi   3   Toronto Iron Co.   Cherry St.   5   0   0   1   3   Poi   4   Standard Fuel Co. Ltd.   Mill St.   112   0   0   0   0   0   0   0   0   0	Poi	2	British American Oil Co. Ltd.	Cherry St. and Keatin		7	0		0	0	0	0	0	
3   Poi   4   Standard Fuel Co. Ltd.   Mill St.   12   0   0   1   4   Poi   5   The WMn. Davise Company Ltd.   521 Front St. E.   6   10   0   0   1   10   10   10   1	Poi	2	British American Oil Co. Ltd.	Keating Ave. (now L		7	12	0	0	0	0	0	0	
4   Poi   5   The Win. Davies Company Ltd.   521 Front St. E.   6   10   0   10   10   10   10   10	Poi	3	Toronto Iron Co.	Cherry St.		5	0		0	0	1	0	0	
81   Poi   5   The Wim. Davies Company Ltd.   SS-65 Parliament St.   6   10   1   5   Poi   6   John Taylor & Co. Ltd.   S31 Front St. E.   soap and perfume man   8   0   0   0   0   0   0   0   0   0	Poi	4	Standard Fuel Co. Ltd.	Mill St.		12	0		0	0	1	0	0	
5         Poi         6         John Taylor & Co. Ltd.         531 Front St. E.         sosp and perfume man         8         0         0           7         Poi         7         Wickett & Craig Ltd.         1-37 Cypress St.         tannery, known as Bio.         6         0         0           6         Poi         7         Bicketl & Wickett Ltd.         1-37 Cypress St.         tannery         6         0         0           8         Poi         9         Laidlaws Ltd.         Overend St. at Easter         13         0         0           10         Poi         10         Canadian Northern Transfer Co. Ltd.         Cherry St. at Front St         16         0         0           10         Poi         11         JM, Purvis         2 Don Esplanade         cotton manufacturing         9         0         0           23         Poi         12         Toronto Railway Co.         581 King St. E.         streetcar stables         16         0         0           24         Poi         13         Gooderham & Worts Ltd.         2-16 Trinity St.         distillery         4         0         0           24         Poi         13         Gooderham & Worts Ltd.         west side of Trinity S. <t< td=""><td>1 Poi</td><td>5</td><td>The Wm. Davies Company Ltd.</td><td>521 Front St. E.</td><td></td><td>6</td><td>10</td><td></td><td>1</td><td>0</td><td>1</td><td>0</td><td>0</td><td></td></t<>	1 Poi	5	The Wm. Davies Company Ltd.	521 Front St. E.		6	10		1	0	1	0	0	
7   Poi   7   Wickett & Craig Ltd.   1-37 Cypress St.   tannery, known as Bio   6   0   0   1   46   Poi   7   Bickell & Wickett Ltd.   1-37 Cypress St.   tannery   6   0   0   0   0   0   0   0   0   0	Poi	5	The Wm. Davies Company Ltd.	55-65 Parliament St.		6	10		0	0	1	0	0	
46   Pol   7   Bickell & Wickett Ltd.   1-37 Cypress St.   tannery   6   0   0   0   0   0   0   0   0   0	Poi	6	John Taylor & Co. Ltd.	531 Front St. E.	soap and perfume man	8	0		0	0	1	0	0	
6         Poil         8         The Eastern Storage Co.         Eastern Ave. at Over         15         0         1           8         Poil         9         Laidlaws Ltd.         Overend St. at Easter         13         0         0           9         Poil         10         Conadian Northern Transfer Co. Ltd.         Cherry St. at Front St         16         0         0           10         Poil         11         JM. Purvis         2         Don Esplanade         cotton manufacturing         9         0         0           22         Poil         12         Toronto Railway Co.         92 King St. E.         streetcar stables         16         0         0         0           18         Poil         13         Gooderham & Worts Ltd.         2-16 Trinity St.         distillery         4         0         1           85         Poil         13         Gooderham & Worts Ltd.         2-16 Trinity St.         cooperage         11         0         0           85         Poil         13         Gooderham & Worts Ltd.         west side of Trinity St.         distillery         4         0         1           85         Poil         13         Gooderham & Worts Ltd.         424 Front St. E.	Poi	7	Wickett & Craig Ltd.	1-37 Cypress St.	tannery, known as Bic	6	0	- 0	0	0	1	0	0	
8 Pol         9 Laidlaws Ltd.         Overend St. at Easter         13         0         0           9 Poi         10 Canadian Northern Transfer Co. Ltd.         Cherry St. at Front St         16         0         0           10 Poi         11 JM. Purvis         2 Don Esplanade         cotton imanufacturing         9         0         0           2 Poi         12 Toronto Railway Co.         92 King St. E.         16         0         0           22 Poi         12 Toronto Railway Co.         591 King St. E.         streetcar stables         16         0         0           21 Poi         13 Gooderham & Worts Ltd.         2-16 Trinity St.         distillery         4         0         1           8 Poi         13 Gooderham & Worts Ltd.         2-16 Trinity St.         distillery         4         0         1           24 Poi         13 Gooderham & Worts Ltd.         424 Front St. E.         cooperage         11         0         0           24 Poi         13 Gooderham & Worts Ltd.         424 Front St. E.         cooperage         5         0         0           12 Poi         14 Sovereign Varnish & Oil Co.         357-359 Eastern Ave later         14 Sovereign Varnish & Oil Co.         357-359 Eastern Ave later         15 Martin Pump & Machine Co. Ltd.	Poi	7	Bickell & Wickett Ltd.	1-37 Cypress St.	tannery	6	0		1	0	0	0	0	
9   Poi   10   Canadian Northern Transfer Co. Ltd.   Cherry St. at Front St   16   0   0   0   0   0   0   0   0   0	Poi	8	The Eastern Storage Co.	Eastern Ave. at Over		15	0	- 0	0	0	1	0	0	1
10   Poi	Poi	9	Laidlaws Ltd.	Overend St. at Easter		13	0	- 0	0	0	1	0	0	
23 Poi   12   Toronto Railway Co.   92 King St. E.   16   0   0   0   0   0   12   Toronto Railway Co.   591 King St. E.   streetcar stables   16   0   0   0   0   0   0   13   Gooderham & Worts Ltd.   2-16 Trinity St.   distillery   4   0   1   13   Gooderham & Worts Ltd.   63 Trinity St.   cooperage   11   0   0   0   0   0   0   0   0	Poi	10	Canadian Northern Transfer Co. Ltd.	Cherry St. at Front St		16	0	- 0	0	0	1	0	0	
Poi   12   Toronto Railway Co.   591 King St. E.   streetcar stables   16   0   0   0   0   0   0   0   0   0	Poi	11	J.M. Purvis	2 Don Esplanade	cotton manufacturing	9	0		0	0	1	0	0	
11   Poi   13   Gooderham & Worts Ltd.   Cattle operations   6   0   0   0   0   0   0   0   0   0	Poi	12	Toronto Railway Co.	92 King St. E.		16	0		0	0	1	0	0	
84   Poi   13   Gooderham & Worts Ltd.   2-16 Trinity St.   distillery   4   0   1   85   Poi   13   Gooderham & Worts Ltd.   63 Trinity St.   cooperage   11   0   0   0   0   0   0   0   0	Poi	12	Toronto Railway Co.	591 King St. E.	streetcar stables	16	0	0	1	0	0	0	0	
13   Gooderham & Worts Ltd.   63 Trinity St.   Cooperage   11   0   0   0   0   0   0   0   0	-	-	CALCON CALCULATION OF THE PROPERTY OF THE PARTY OF THE PA		cattle operations	6	0	- 0	0	0	1	0	0	
13   Gooderham & Worts Ltd.   63 Trinity St.   Cooperage   11   0   0   0   0   0   0   0   0	Poi	13	Gooderham & Worts Ltd.	2-16 Trinity St.	distillery	4	0	-	1	0	1	0	0	
13   Gooderham & Worts Ltd.   west side of Trinity S   distillery   4   0   1		13	Gooderham & Worts Ltd.		cooperage	11	0	- 0	- 1	0	1	0	0	
24 Pol         13 Gooderham & Worts Ltd.         424 Front St. E.         cooperage         5         0         0           12 Pol         14 Sovereign Varnish & Oil Co.         357-359 Eastern Ave.         15 Martin Pump & Machine Co. Ltd.         47 Davies Ave.         5         0         0           35 Pol         15 Martin Pump & Machine Co. Ltd.         47 Davies Ave.         5         0         0           37 Poi         16 Lever Bros. Ltd.         Don Roadway S.         old Gooderham & Wort         8         0         0           38 Poi         16 Lever Bros. Ltd.         Don Roadway S.         old Gooderham & Wort         8         0         0           38 Poi         17 Dominion Wheel Foundries Ltd.         Eastern Ave. at Sum         11         0         0           37 Poi         17 Dominion Wheel Foundries Ltd.         north side of Eastern         11         0         0           37 Poi         17 Dominion Wheel Foundries Ltd.         121-179 Eastern Ave business expansion int         11         0         0           46 Poi         18 Taylor Butler         103 Ontario St.         planing mill         13         0         0         0           15 Poi         19 Cleansoline Refrigerating Co. Ltd.         Booth Ave.         18         0         0		13	Gooderham & Worts Ltd.		The state of the s	4	0	1	1	0	1	0	0	
12   Poi		10.00				5			1	0	0	0	0	_
35   Poi   15   Martin Pump & Machine Co. Ltd.   47 Davies Ave.   5   0   0   0   0   0   0   0   0   0	-								0	0	1	0	0	
13         Poi         16         Lever Bros. Ltd. Sunlight Soap Works         Eastern Ave. at Don         8         0         0           38         Poi         16         Lever Bros. Ltd.         Don Roadway S.         old Gooderham & Wort         8         0         0           68         Poi         17         Dominion Wheel Foundries Ltd.         Eastern Ave. at Sum         11         0         0           37         Poi         17         Dominion Wheel Foundries Ltd.         121-179 Eastern Ave. business expansion int         11         0         0           37         Poi         17         Dominion Wheel Foundries Ltd.         121-179 Eastern Ave. business expansion int         11         0         0           46         Poi         18         Taylor Butler         103 Ontario St.         planing mill         13         0         0           15         Poi         19         Cleansoline Refrigerating Co. Ltd.         Booth Ave.         18         0         0           16         Poi         20         One Minute Manufacturing Co.         Logan Ave.         manufacturing of dome         11         0         0           17         Poi         21         Freyseing Cork Co. Ltd.         61-71 Sumach St.         13<						-		- 6	0	0	1	0	0	
38   Poi   16   Lever Bros. Ltd.   Don Roadway S.   Old Gooderham & Wort   8   0   0   0   0   0   0   0   0   0	واستحضاوه								0	0	1	0	0	
17   Dominion Wheel Foundries Ltd.	-				old Gooderham & Wort	55.			0	0	0	0	0	
37   Poi   17   Dominion Wheel Foundries Ltd.   North side of Eastern   11   0   0   0   0   0   0   0   0	and the same of	-			ord Cooderright of Front			- 6	0	0	1	0	0	_
37   Poi   17   Dominion Wheel Foundries Ltd.   121-179 Eastern Ave   business expansion int   11   0   0   0   0   0   0   0   0		-						- 3	0	0	0	0	0	_
46   Poi   18   Taylor Butler   103 Ontario St.   planing mill   13   0   0   0   15   Poi   19   Cleansoline Refrigerating Co. Ltd.   Booth Ave.   18   0   0   0   0   16   Poi   20   One Minute Manufacturing Co.   Logan Ave.   manufacturing of dome   11   0   0   0   17   Poi   21   Freyseng Cork Co. Ltd.   61-71 Sumach St.   13   0   0   0   18   Poi   22   Hamilton Carhartt Manufacturing Ltd.   535 Queen St. E.   11   0   0   0   19   Poi   23   Wm. R. Perrin & Co. Ltd.   530 King St. E.   packing machinery & pr   5   0   0   0   0   0   0   0   0   0	the second				husiness evnension int			- 4	0	0	0	0	0	_
15 Poi         19 Cleansoline Refrigerating Co. Ltd.         Booth Ave.         18         0         0           16 Poi         20 One Minute Manufacturing Co.         Logan Ave.         manufacturing of dome         11         0         0           17 Poi         21 Freyseng Cork Co. Ltd.         61-71 Sumach St.         13         0         0           18 Poi         22 Hamilton Carhartt Manufacturing Ltd.         535 Queen St. E.         11         0         0           19 Poi         23 Wm. R. Perrin & Co. Ltd.         530 King St. E.         packing machinery & pr         5         0           20 Poi         24 J.W. Corson & Co.         Sumach St.         coal, wood, coke & car         13         0           21 Poi         24 J.W. Corson & Co.         Funston St. secondar secondary location         13         0           24 Poi         25 Treloar, Blashford & Co.         6-8 Berkeley St.         founders & moulders         5         11         0           22 Poi         26 R. Laidlaw & Co. Ltd.         St. Lawrence St.         lumber         13         0         0	-	-							1	0	0	0	0	_
16   Poi   20   One Minute Manufacturing Co.   Logan Ave.   manufacturing of dome   11   0   0   0   0   0   0   0   0			A STATE OF THE STA		processing rams				0	0	1	0	0	
17   Poi   21   Freyseng Cork Co. Ltd.   61-71 Sumach St.   13   0   0   0   0   0   0   0   0   0					manufacturing of dome				0	0	1	0	0	_
18   Poi   22   Hamilton Carhartt Manufacturing Ltd.   535 Queen St. E.   11   0   0   0   0   0   0   0   0	-		to the transfer of the control of th	Control of the Contro	manufacturing of dome				1	0	1	0	0	
19 Poi         23 Wim. R. Perrin & Co. Ltd.         530 King St. E.         packing machinery & pr         5         0         0           20 Poi         24 J.W. Corson & Co.         Sumach St.         coal, wood, coke & car         13         0         0           21 Poi         24 J.W. Corson & Co.         Funston St. secondar secondary location         13         0         0           46 Poi         25 Treloar, Blashford & Co.         6-8 Berkeley St.         founders & moulders         5         11         0           22 Poi         26 R. Laidlaw & Co. Ltd.         St. Lawrence St.         lumber         13         0         0						7.171		9	0	0	1	0	0	
20 Poil         24 J.W. Corson & Co.         Sumach St.         coal, wood, coke & car         13         0         0           21 Poil         24 J.W. Corson & Co.         Funston St. secondar secondary location         13         0         0           46 Poil         25 Treloar, Blashford & Co.         6-8 Berkeley St.         founders & moulders         5         11         0           22 Poil         26 R. Laidlaw & Co. Ltd.         St. Lawrence St.         lumber         13         0         0		-			nacking machinery 6 or			- 3	0	0	1	0	0	
21 Poil     24 J.W. Corson & Co.     Funston St. secondar secondary location     13     0     0       46 Poil     25 Treloar, Blashford & Co.     6-8 Berkeley St.     founders & moulders     5     11     0       22 Poil     26 R. Laidlaw & Co. Ltd.     St. Lawrence St.     lumber     13     0     0									0	0	1	0	0	
46 Poi 25 Treloar, Blashford & Co. 6-8 Berkeley St. founders & moulders 5 11 0 22 Poi 26 R. Laidlaw & Co. Ltd. St. Lawrence St. lumber 13 0 0			TO SO THE RESIDENCE OF THE SECOND STATE OF THE	The state of the s				- 3	0	0	1	0	0	
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24 POI 27 Dyer rence a Supplies Co. Ltd. Don Esplanade VV. at 14 0 0					unioer				1.7			0		_
27 Poi 28 Andrew Muirhead Varnish St. Lawrence St. varnish factory 7 0 d				11 00 15 00 0 0 1 1 1 1 1 1 1 1 1 1 1 1	consists dank				0	0	1	0	0	_

# Challenges – What's what?





#### Other Challenges - Sources

- Historical GIS, is new, it has no guidelines, no rules, and not very many examples
- Access to sources
  - ◆ Copyright (Fire Insurance Plans mess in Canada)
  - ◆ Licensing / Restrictions on use
  - ◆ Costs
- Original sources vs. Reproduction sources
- Preservation (data and images)
- Metadata
  - ♦ long and tedious to compile
  - Standards issues (software restrictions, government issues)

#### **Future**

- Expand Geographically to all of Toronto
- Roads
- Sewers
- Lost Rivers West
- Industry beyond the watershed
- ◆ Rail Lines
- Contours
- Extend Shoreline to the Bluffs and beyond
- Forest Cover
- \$\$\$\$\$

#### Data Dissemination – Web Pages

