Create Simple Maps Using Google Maps and Microsoft Excel

Sherman Centre for Digital Scholarship
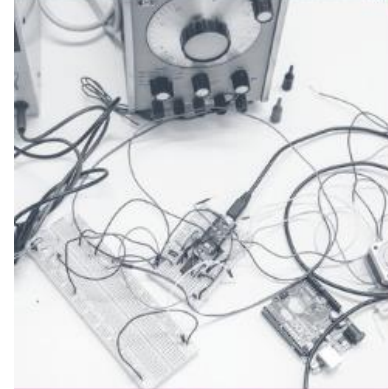
Wednesday, September 24, 2025

10:30am – 11:30am **(Online)**

Create Simple Maps using Google Maps and Microsoft Excel

Saman Goudarzi, Cartographic Resources Librarian

Christine Homuth, GIS Specialist

September 24, 2025

Land Acknowledgement

McMaster University is located on the traditional Territories of the Mississauga and Haudenosaunee Nations, and within the lands protected by the "Dish With One Spoon" wampum agreement.

Code of Conduct

The Sherman Centre and McMaster University Libraries are committed to fostering a supportive and inclusive environment for its presenters and participants.

As a participant in this session, you agree to support and help cultivate an experience that is collaborative, respectful, and inclusive, as well as free of harassment, discrimination, and oppression. We reserve the right to remove participants who exhibit harassing, malicious, or persistently disruptive behaviour.

Please refer to our code of conduct webpage for more information: **scds.ca/code-of-conduct/**

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Certificate Programs

The Sherman Centre for Digital Scholarship Certificate of Attendance

The Sherman Centre's certificate program recognizes attendance at our workshops. It complements degree training, supports the development of critical competencies in data analysis, research data management, and digital scholarship, and formalizes core skills fostered by our workshops.

Participants are invited to attend seven workshops and receive a certificate of attendance. To verify your participation in today's workshop, we will provide a code and additional instructions at the end of the session.

You can learn more about the certificate program at **scds.ca/certificate-program**

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📅 Fall 2025: Upcoming Workshops

Data Analysis Support Hub

October 9: Getting Started with Linear Regression in R

October 16: Introduction to R Programming

October 23: Visualizing Networks with Gephi

Digital Research

October 21: Establishing and Maintaining Researcher Profiles

November 19: Creating Compelling Research Impact Visualizations

Research Data Management

September 25: Research + Lab Notebooks: Research Data Management Community of Practice

October 1: Best Practices for Managing Data in Your Research

November 19: Data Management Plan Bootcamp (Virtual)

Do More with Digital Scholarship

October 8: Visions of Generative AI: Historical and Ethical Dimensions of Visual Media Literacy in the Era of AI

October 23: Creating High-Quality Documents with LaTeX

Register for Upcoming Workshops: https://u.mcmaster.ca/scds-workshops

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Learning Objectives

By the end of this workshop, you will:

- Learn the basics of using Google Maps and Microsoft Excel to create and visualize spatial data.

- Become familiar with spatial data.

- Learn how to export maps for use in presentations, documents, and websites.

- Understand common mistakes in map making.

Workshop Structure

1. Introduction to spatial data

2. Google My Maps Exercise

3. Excel Exercise

Making maps is fundamentally about **visualizing spatial data**

Spatial data: data with a **location** component

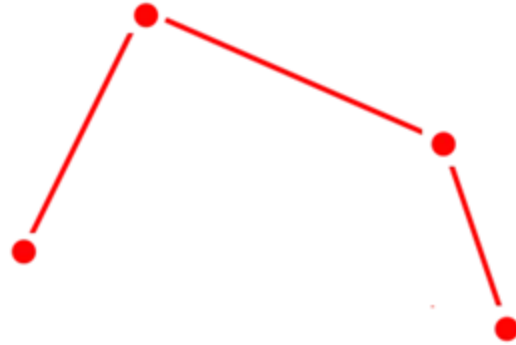THERE ARE **THREE** TYPES OF SPATIAL DATA USED IN A GIS
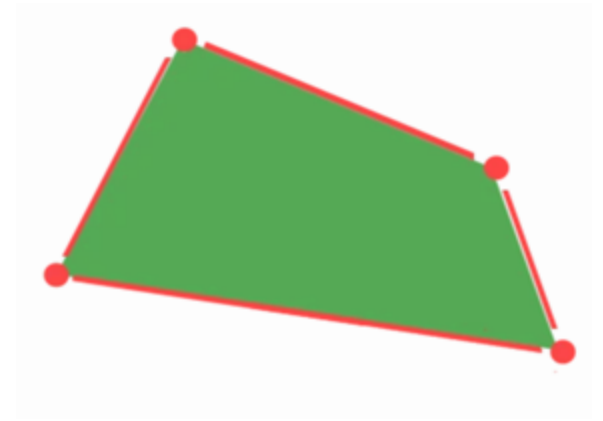
RASTER DATA

VECTOR DATA

TABULAR DATA

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popular data type: **vector**

points

lines

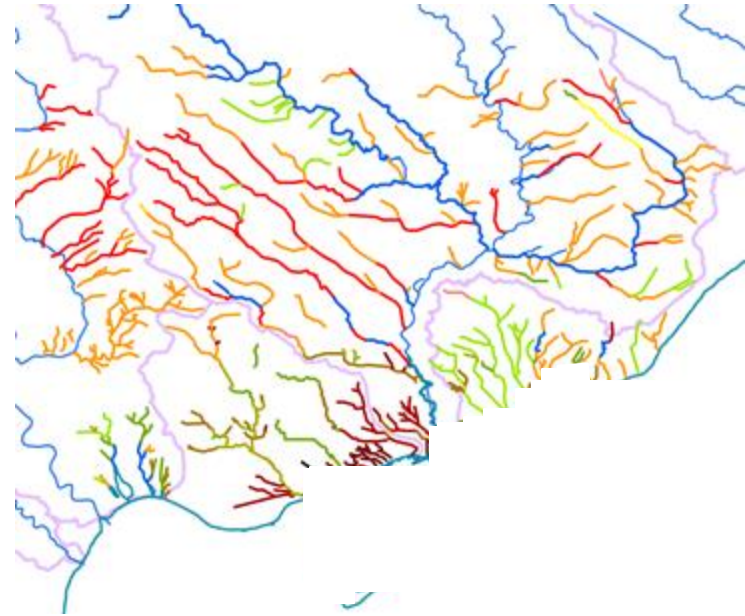polygons

examples of **vectors**

select schools
recorded in ontario (x)

historical rivers of
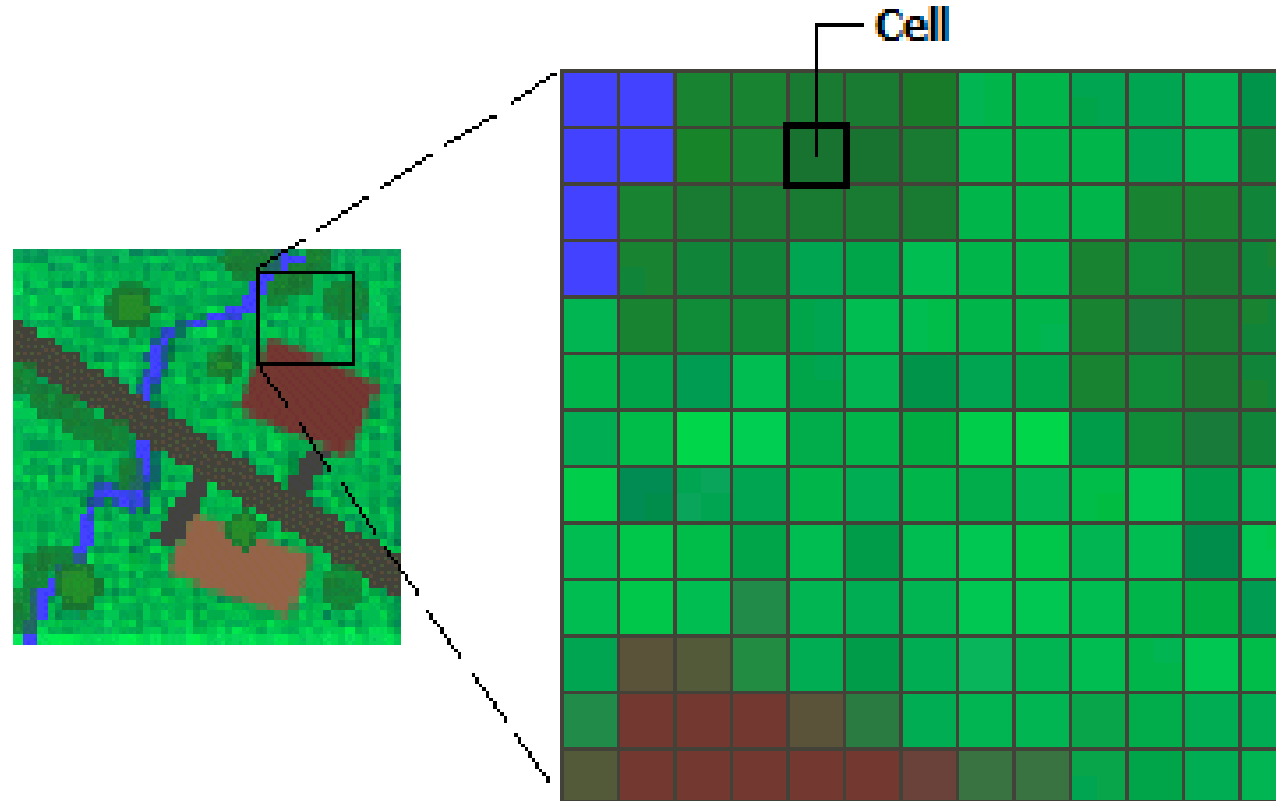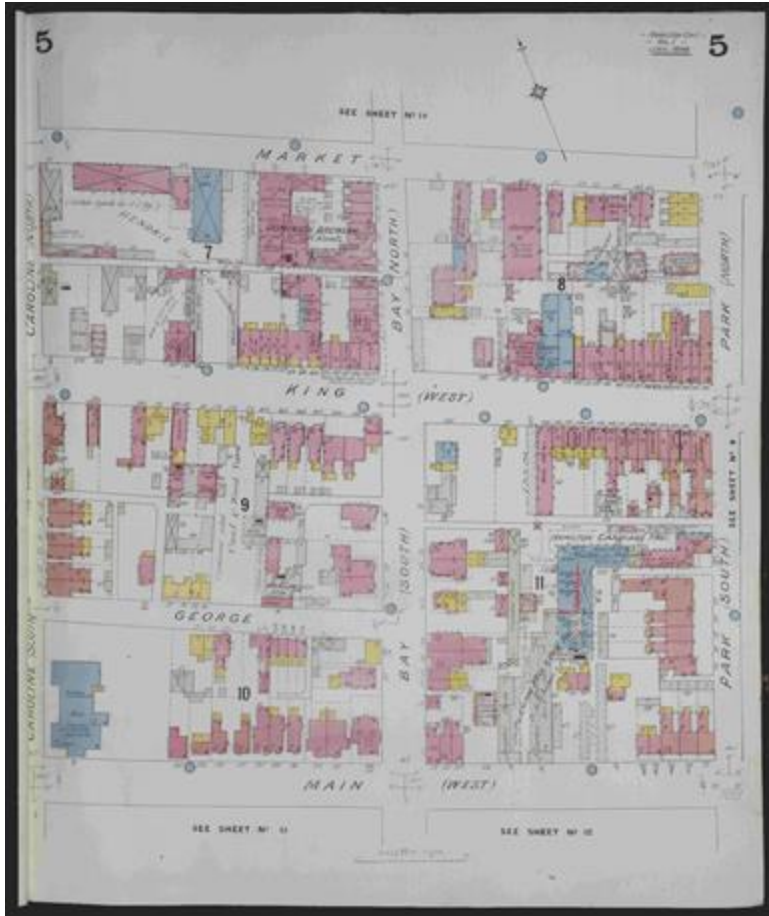toronto (x)

examples of **vectors**

municipal boundaries
of the greater
Hamilton area (x)

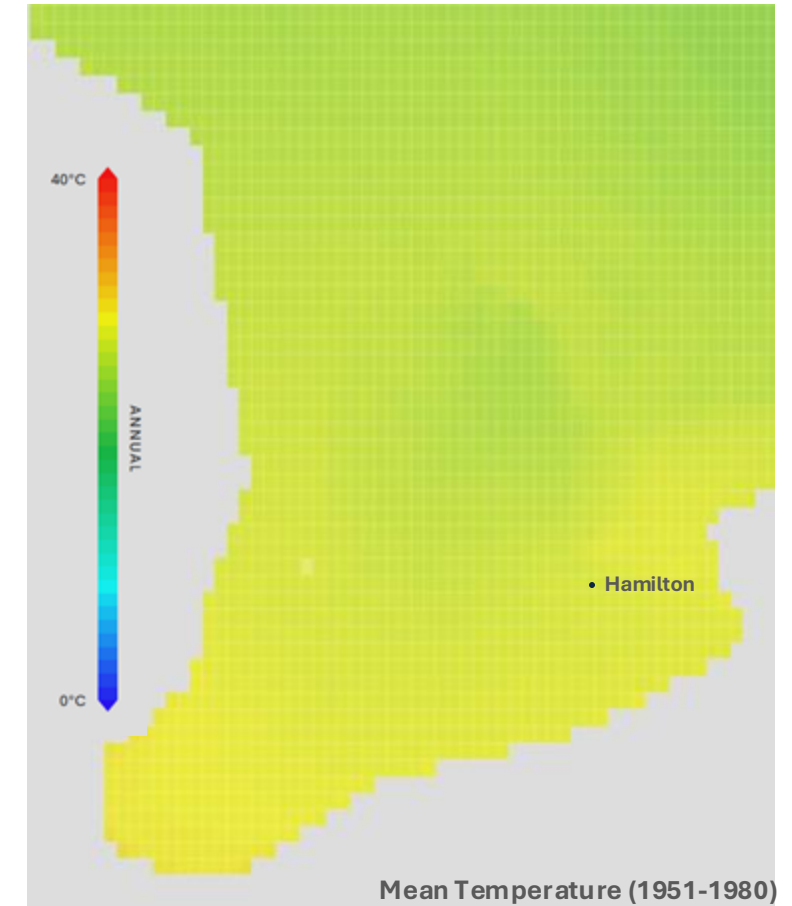Library | McMaster University | Sherman Centre for Digital Scholarship

popular data type: **raster**

Cell

examples of **rasters**

digitized fire insurance plans (x)

digitized historical aerial photographs (x)

Mean Temperature (1951-1980)

climate data (x)

popular data type: **tabular**

Brewery_Name	ID	Date_Est	Date_Closed	Address	Latitude	Longitude
Cosgrave Brewery	1	1863	1963	297 Niagara Street	43.645267	-79.409781
Ontario Brewing & Malting Co.	2	1885	1901	311-337 King St. E.	43.651565	-79.365705
O'Keefe Brewery (formerly Victoria Brewery)	3	1840	1989	11-17 Gould Street	43.657417	-79.380519
Bloor's Brewery (later Castle Frank Brewery)	4	1830	1843	Bloor and Sherbourne Streets	43.672356	-79.379046
Copland Brewing and Malting Co. Ltd.	5	1832	1946	311-337 King St. E.	43.651556	-79.365532
Copland Brewing Co. Ltd.	6	1847	1946	55-65 Parliament St.	43.652295	-79.362177
Dominion Brewery Co. Ltd.	7	1878	1936	470-496 Queen St. E.	43.657052	-79.359928
Queen City Malting Co.	8	1882	1893	228 Front St. E.	43.651278	-79.365073
East End Brewery (Reinhardt Salvador Brewery)	9	1861	1889	2-22 Mark St. (formerly Beech)	43.661115	-79.356342
Walz Brewery / Korman Brewery	10	1857	1944	Duchess (now Richmond) and Sherbourne	43.6531	-79.3684

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Let's make some maps.

Contact Information

Contact the Lloyd Reeds Map Collection:

mapref@mcmaster.ca

Contact GIS Services:

libgis@mcmaster.ca

SCDS Links

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