

Geospatial Portal

(Geospatial and Health Informatics Cyberinfrastructure Project)

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Ontario Council of University Libraries

- Consortium of 21 university libraries
- Enhance information services through resource sharing, collective purchasing, and creation of Scholars Portal
- Scholars Portal is OCUL's project to provide technology infrastructure to host and provide access to shared collections

GIS Services in OCUL institutions

- GIS libraries support research needs in many disciplines. They provide:
 - Data
 - Spatial literacy support
 - Software support
- Clear need to address unequal support across OCUL institutions

Building a Geospatial Portal

leverage shared
resources &
expertise

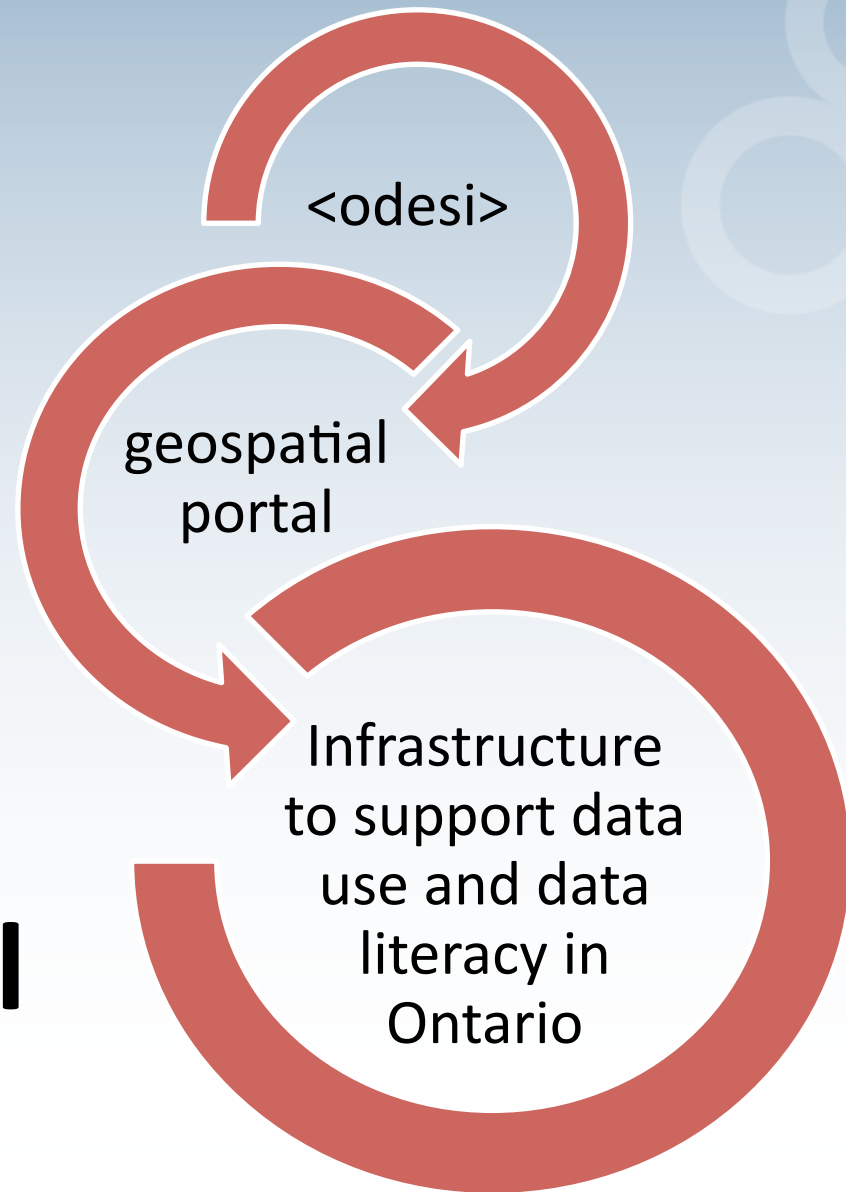
improve access
to geospatial
data

our vision

Support GIS
teaching; spatial
literacy efforts

Build a stronger
geospatial
research capacity

data and Scholars Portal



Overview of the Task

Build a web portal to allow data discovery, exploration, and download of geospatial data, by users from OCUL's member universities

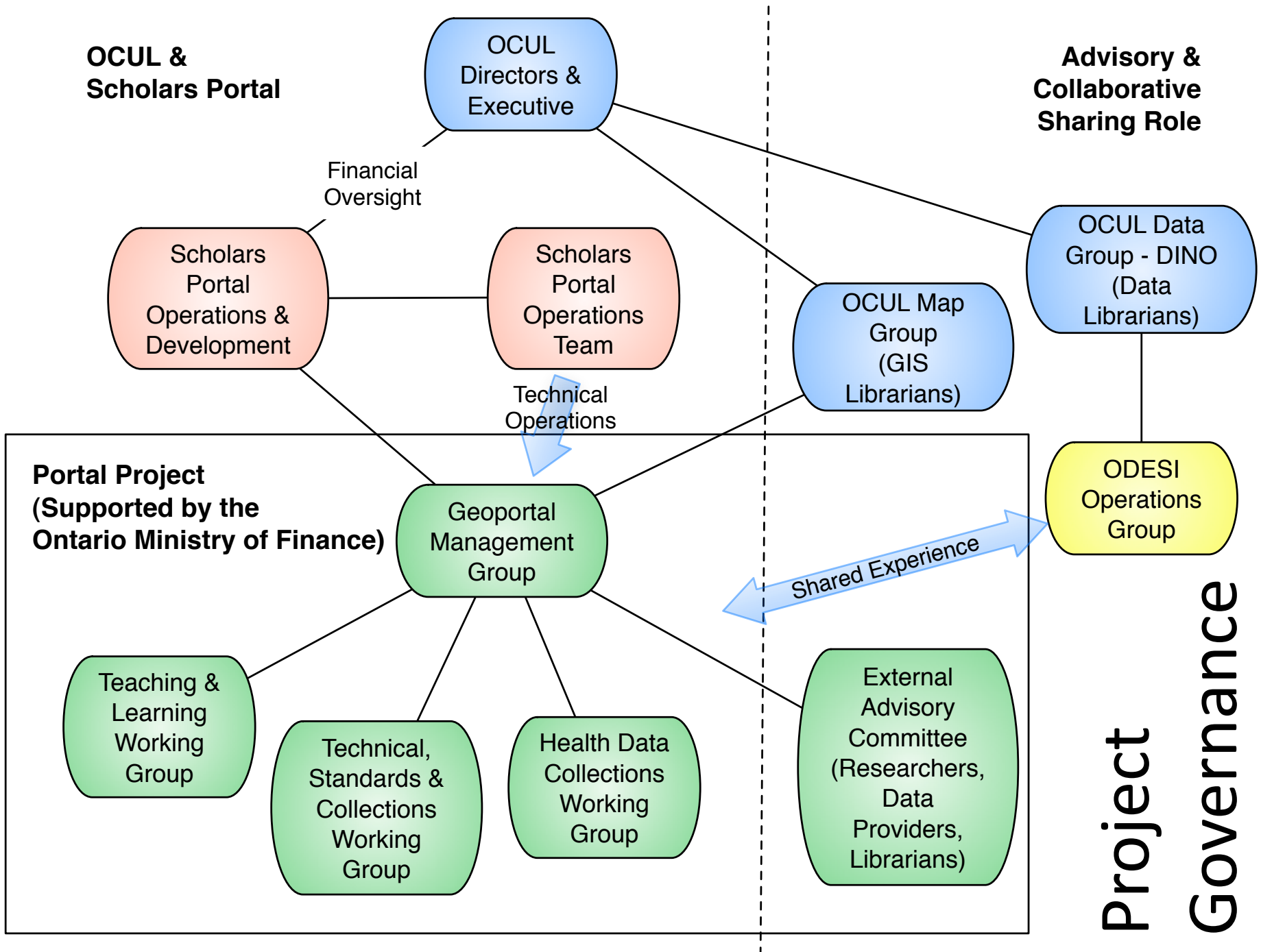


Metadata
Editor

Online
Mapping Tool

Collaborative
Tools

Completion
March 2012



Timeline & Tasks

2009:
Project start

Guiding
documents
written

Project teams
formed

Scholars
Portal Staff
hired

2010:
Software

Selection of
ESRI Canada

Installation of
ArcGIS Server

Training from
ESRI Canada

2011:
Development

Interface
Development

Metadata &
data loading

Initial Launch
Fall 2011

2012:
Enhancements

Collaborative
Tools
Integration

Teaching &
Learning
Integration

Version 2
Launch, 2012

Search

Map (4)

Find

Additional Options

72 Results

**Route File (RTE)**

The Route file is the core routing layer based on the Canmap roads layer (i.e., RDS). Many of the attributes found in the RDS file are in the RTE file but it also includes routing specific attributes. These include, but are not limited to: Route Hierarchy, Rush Traffic, Median, Speed Limits and Travel Time.

Purpose: Applications of this data product can include, but are not limited to: routing, fleet management, market analysis, target marketing, site location analysis, customer service and asset management.

Keywords: Street, Streetname, Address, Route Hierarchy, Classification, Carto, Rush Traffic, Median, Urban, Rural, Speed, Road Length, Miles, Kilometres, Time, Distance

[View Metadata Page](#)[Less Details](#)[Add](#)**Route File (RTE)**

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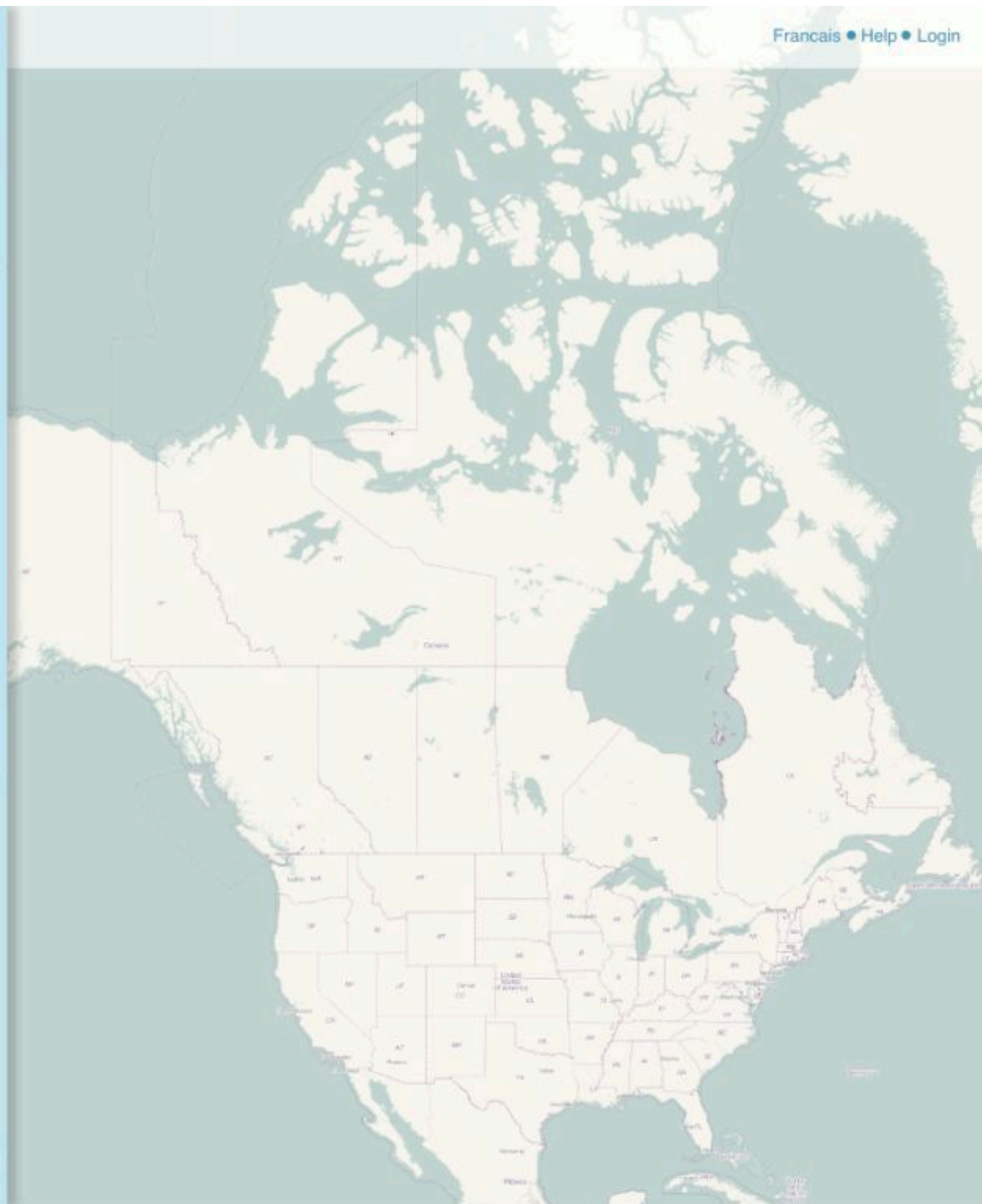
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[More Details](#)[Add](#)[Click to view more](#)

Search

Map (4)

Find

Additional Options ▼

Content Type

Any

Data Category

- ☐ Agriculture and Farming
- ☐ Biology and Ecology
- ☐ Administrative and Political Boundaries
- ☐ Atmosphere and Climatic
- ☐ Business and Economic
- ☐ Elevation and Derived Products
- ☐ Environment and Conservation
- ☐ Geological and Geophysics
- ☐ Human Health and History

Modified Date

Start date: (yyyy-mm-dd)

End date: (yyyy-mm-dd)

Sort By

Relevance

72 Results



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More Details

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More Details

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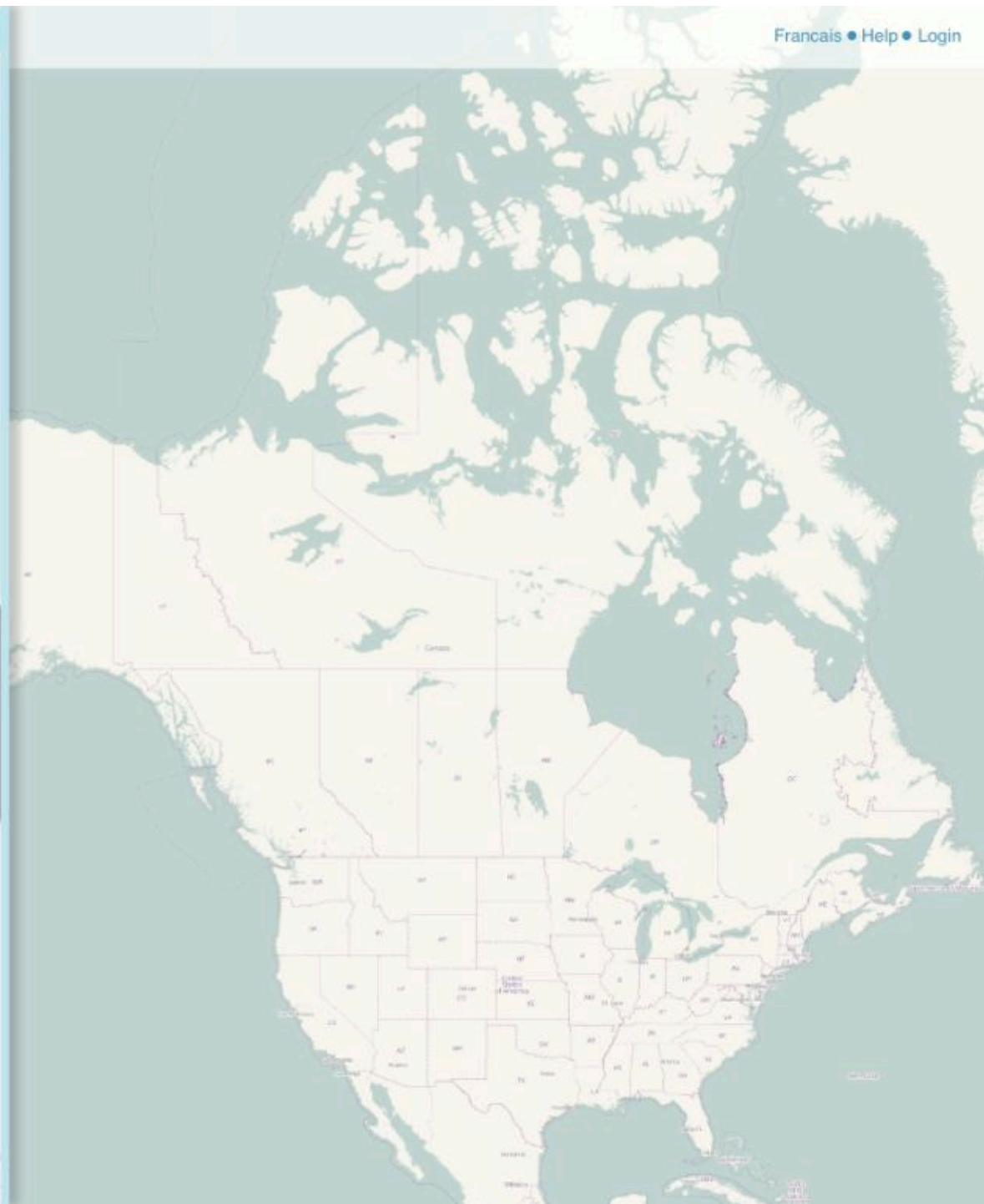


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Search

Map (4)

Layers

Legend

Download

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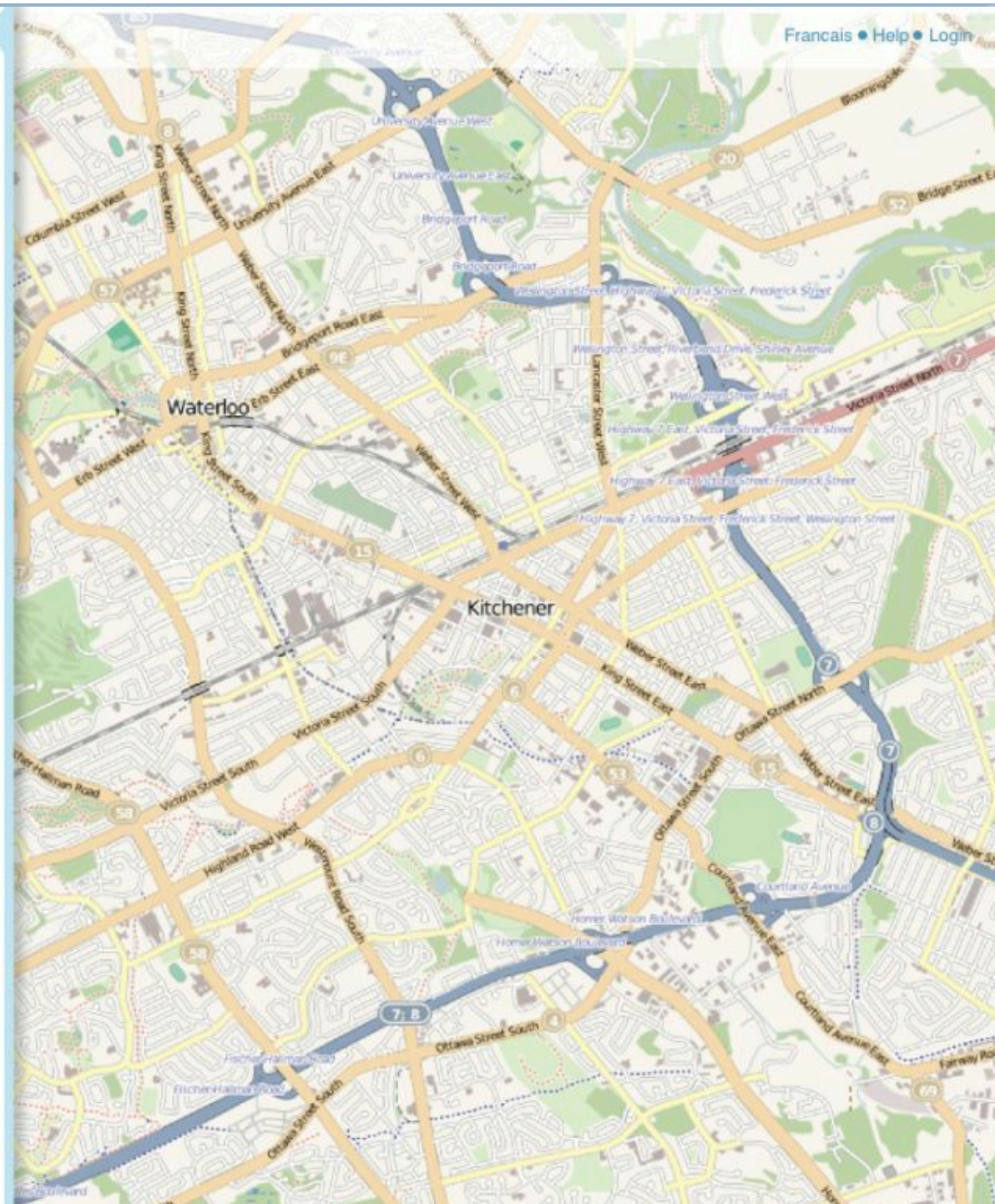
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[More Details](#)[Hide](#)[Remove](#)

Search

Map (9)

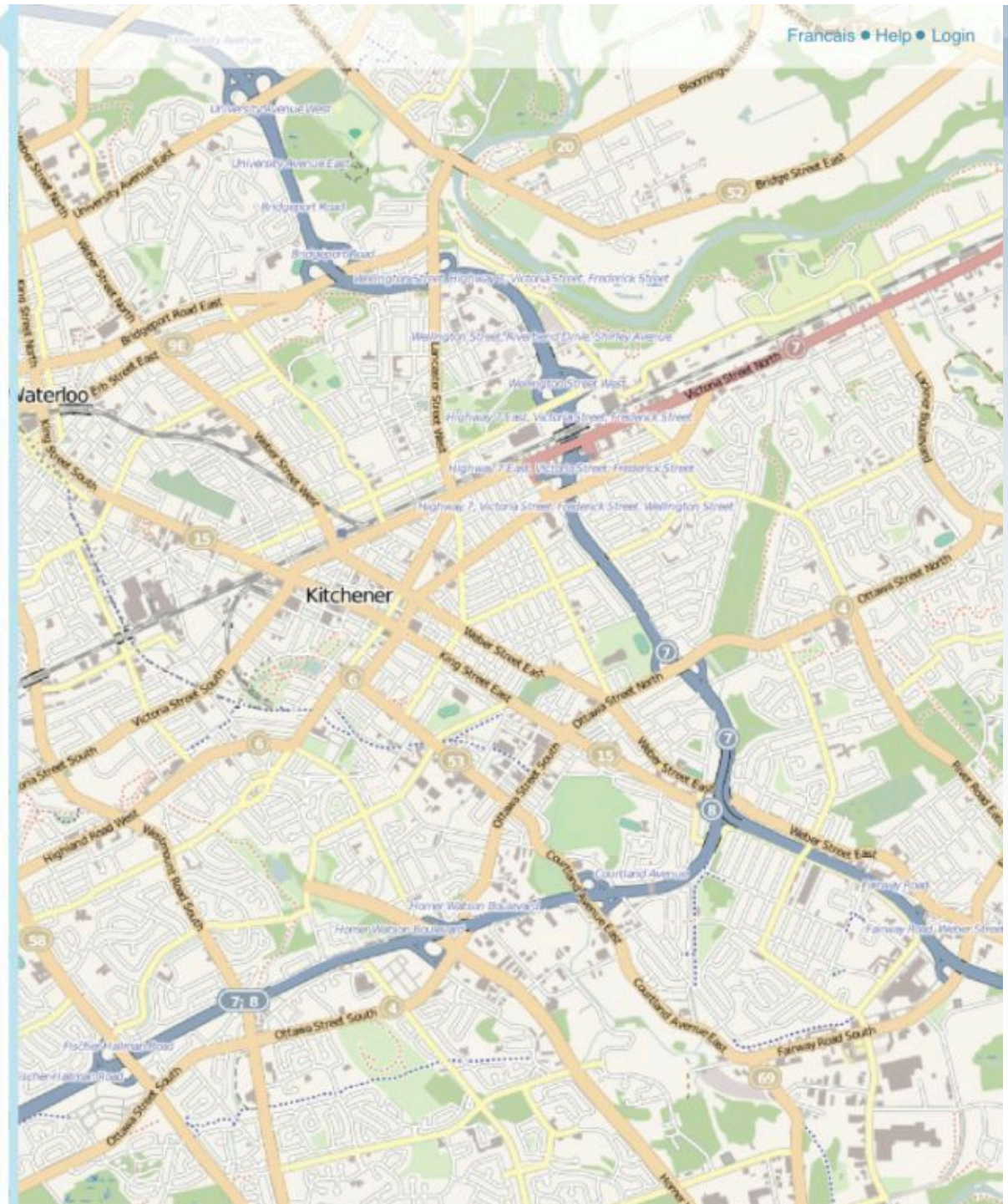
Layers

Legend

Download

Route File

-  Strategic Employment Development Sites (E1)
-  Development Opportunity Areas (E2)
-  Established Employment Areas (E3)
-  Local Employment Development Site (E4)
-  Housing Development Sites (H1)
-  Town Centre Boundaries (S2, S3)
-  Retail Development Site (S2)
-  Primary Shopping Areas (S4)
-  Local Shopping Centres and Parades (S5)
-  Leisure and Tourism Development Sites (S8)
-  Green Belt (OL1, OL2)
-  Existing Developed Sites in Green Belt (OL3)
-  Protected Green Space (OL4, OL5)
-  Outdoor Sport and Recreational Development Sites (OL6)
-  Trunk Road Scheme (T2)
-  Other Major Highway Schemes (T3)
-  Rail or Bus Schemes (T4, T6, T9)
-  Metrolink Extension (T5)
-  Conservation Area Boundaries (C2, C3, C4)
-  Scheduled Ancient Monuments (C10)
-  Sites of Biological Importance (N1, N2)
-  Areas Liable to Flooding (U4)
-  Tameside Borough Boundary



Search

Map (9)

Layers

Legend

Download

1. Select Layers:

- ☐ Layer Name
- ☒ Layer Name
- ☒ Layer Name
- ☒ Layer Name
- ☒ Layer Name
- ☒ Layer Name

2. Area (Extent):

Find:

Search

Draw:



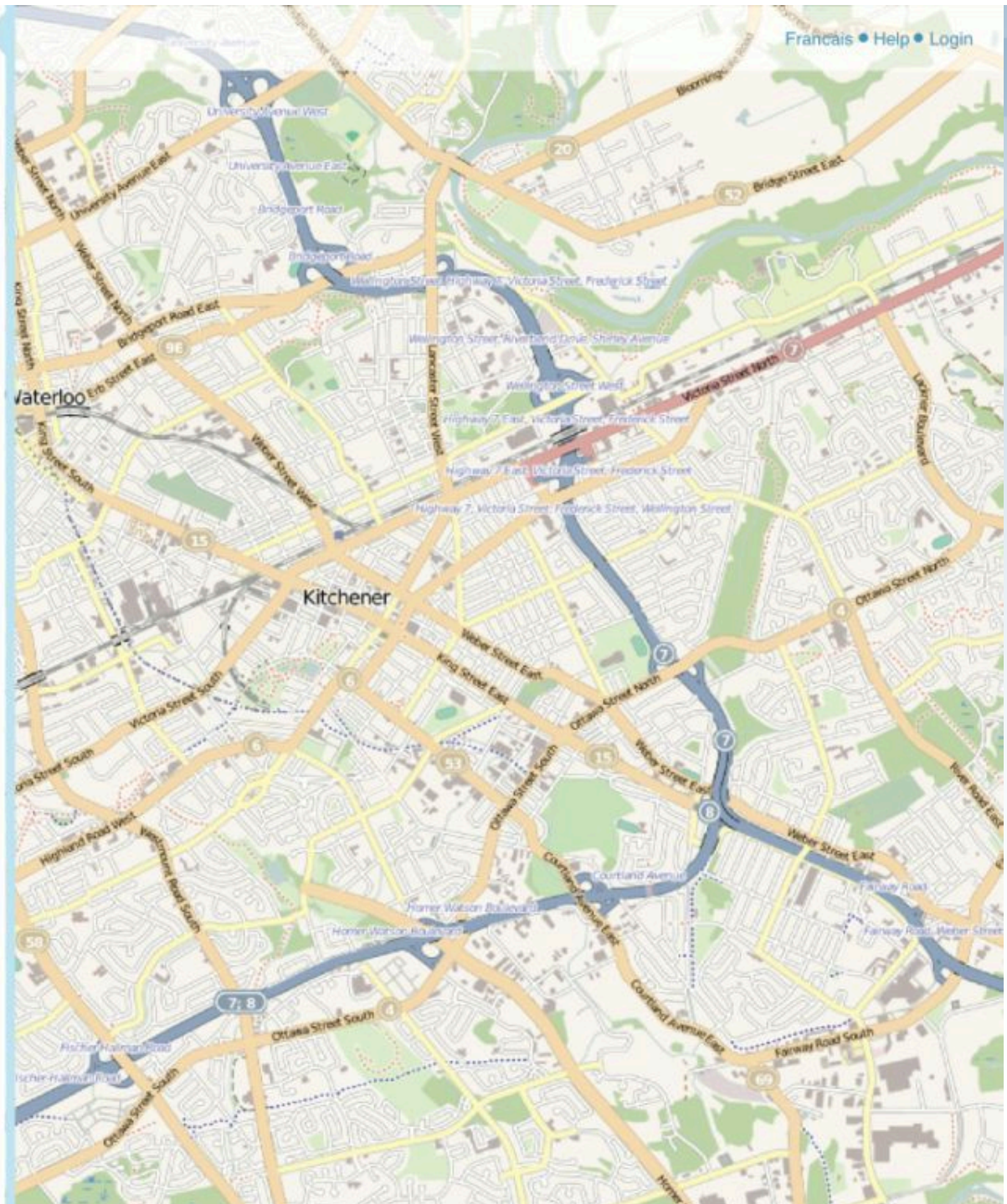
3. Projections:

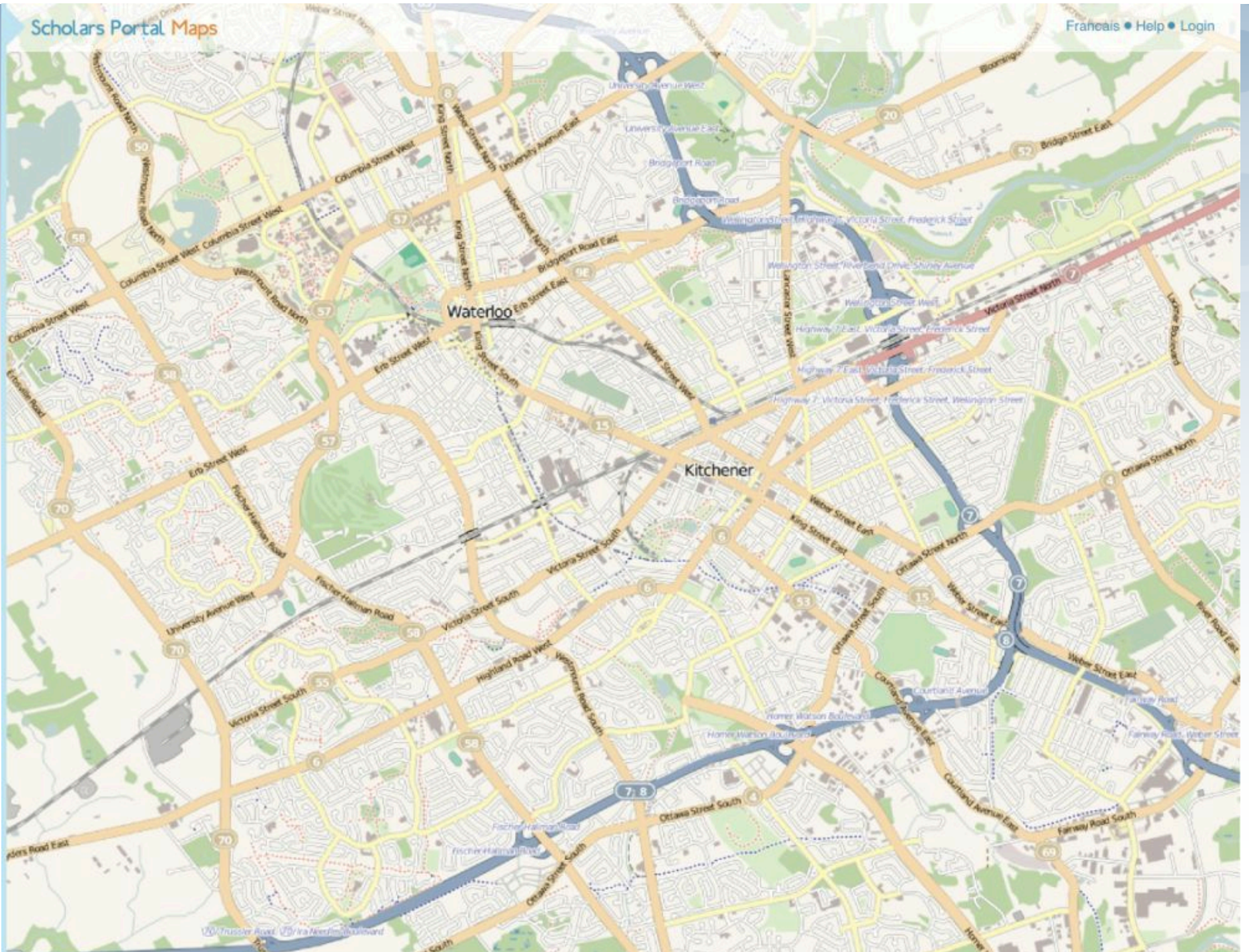
- ☒ As provided
- ☐ Mercator
- ☐ UTM Zone 17
- ☐ Web Mercator
- ☐ WGS 1984

4. Output Format:

- ☒ Geography Markup Language (.gml)
- ☐ Geography Markup Language Simple Features (.gmlsf)
- ☐ MapInfo (.mif)
- ☐ AutoCAD (.dwg)
- ☐ Personal Geodatabase (.mdb)
- ☐ Shapefile (.shp)

Download





Supporting Teaching & Learning

- Context-sensitive help and tips
- Customizable spatial literacy teaching modules
- Mapping and basic analysis tools in the browser – no GIS software experience needed
- User accounts for saving maps, data, etc.
- Group spaces for sharing work
- “Web 2.0” tools – sharing, notifications, etc.

Portal Mandate to obtain Health Data

- Archive and provide access to geospatially related health data
- Support research and evidence based decision making
- Ensure optimum interoperability for the geospatial infrastructure and health data collections within Scholars Portal

Assessment

- Study of library services supporting geospatial data and GIS use – change over time; impact of portal
- Researcher survey – geospatial data needs for research and teaching
- Usability studies – 2012 – unique study of usability of mapping tools on the web

Made Possible by Partnerships

OCUL

Librarians

ESRI

Scholars Portal

Government of Ontario

Students

Researchers

Questions?

For more information:

leanne@scholarsportal.info