

GEO MAP

[View RDKS Map](#)

User Manual

Mobile client User Interface

Version 5.0

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Versions

Version	Author	Description	Date
0.1	F. Créach'cadec	Update from 4.3	10/07/2017
0.2	P. Patenaude	Translate version 4.5 to English	19/12/2017
0.3	F. Créac'hcadec	Update to 5.0 and title icons corrections	02/04/2018
0.4	P. Patenaude	Revision	22/05/2018

Cartographic browser Gomap

The mobile interface of GoMap offers intuitive and easy access to tools and functionalities on every type of devices. The menus have a clean look to be as accessible with a mouse than it is with a touch screen. The overall interface adapt itself automatically to the dimensions of the screen. It means that the application can be use on a computer, a tablet or even a smartphone.

This version also offers many options to adapt the menus according to the user preferences. It also offers geolocation tools for mobile devices.

In this documentation when the term “Click” is used, it references both the left click of the mouse and the use of a finger on a touchscreen.



Dynamic interface

As mentioned, the interface can vary with the size of the screen and the user preferences; Therefore, the appearance of the tools displayed in the screenshot of this documentation can be a little different than the reality.

1 Access control

1.1 Public access

When a site is destined to the public, it's possible that GoMap has been configured to use an anonymous authentication. If this is the case, the login is automatic and the user can access the application directly.

1.2 Secured access

There are 2 possible authentication methods for a secured access:

- a) Automatic: the authentication automatically uses the Windows user to connect. It uses the LDAP security, so the user group are managed by the network manager.
- b) Manual: the user must enter a user and password in a login window to connect. It uses a security configured in the GoMap admin, so the users and user groups are created and managed in the GoMap admin.

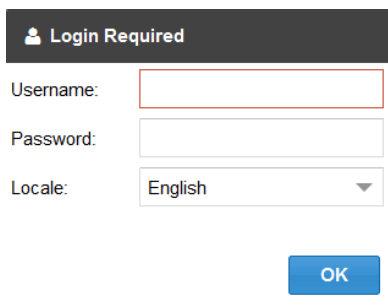
A dialog box titled "Login Required" with a user icon. It contains three input fields: "Username:" with a text box, "Password:" with a text box, and "Locale:" with a dropdown menu showing "English". A blue "OK" button is at the bottom right.

Figure 1 — Secured access

1.3 Multiple applications

Once authenticated, if there are multiple applications available and the user is authorized to use them, they will appear in a list (See figure 2). The user must then select the application that he wishes to access. If there is only one application available, the user will automatically be redirected to it.

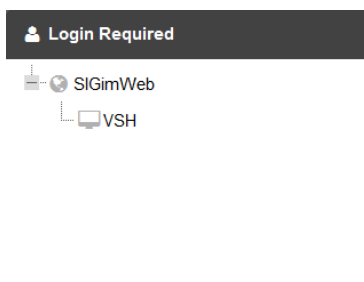
A dialog box titled "Login Required" with a user icon. It displays a list of applications: "SIGimWeb" and "VSH". Each application has a small icon to its left.

Figure 2 — Application selection

2 Organisation

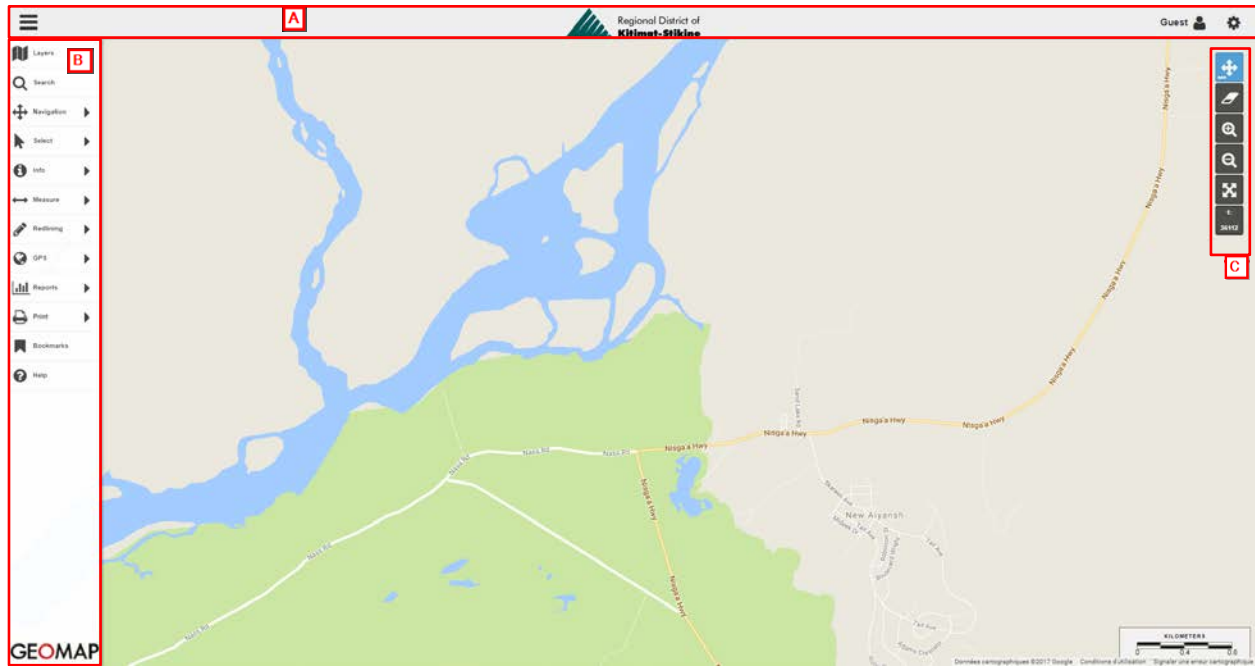


Figure 3 — Application interface

A- Menu

The Menu section is always displayed and is used as an access point / configuration for the Tool panel, the session manager and the settings panel. Each of these panels can be displayed or hidden by a click on the corresponding button;

B- Tool panel

List different features group by type of action, such as printing features, redlining, search, GPS, etc.;

C- QuickTools panel



Display the most commonly used tools, such as the navigation tools. It also displays the active tool in blue at the top of the panel.



Absent features

If you see features in the documentation that are not available in your application, it's possible that it was decided not to add them to your interface. You can contact your supervisor or Geomap if you want a feature to be added to the interface.

3 Parameters

From the menu, the settings panel is displayed by clicking on the button . It can be masked by clicking again on the button or by clicking on  located to the right of the “Settings” title.

It's possible to restore the settings to default by clicking the “Default Settings” button located at the end of the panel.

To save the changes, click on the “Save” button located at the end of the panel. To cancel the changes made to the settings, click on the “Cancel” button.

3.1 General

In this section, all the interface options are gathered:

- Full-screen:** The application takes all the available space; The browser and his tools are no longer visible. It can be disabled by clicking on the same button;
- Theme:** Switch the background and text color. Dark text on light background for the “light” theme vs light text on dark background for the “Dark” theme;
- Unit type:** unit system used with the measure tools and the scale;
- Display QuickTools panel:** Hide the quicktools panel or display only the active tool;
- Display texts in the tools panel:** Display text and icon in the tool panel or just the icon.
- Show tooltips panel:** Enable or disable the tooltips for the usage of the tools.

3.2 Around me

Color and distance radius settings for the “Around me feature” (see 4.9.2).


3.3 Redlining

Color settings for the redlining object added to the map.

4 Tools

4.1 Interface

4.1.1 Display

To maximise the map space available, hide the tools panel by clicking on the button  In the menu. lower the space that the tools panel takes by hiding text of the tools (see 3.1).

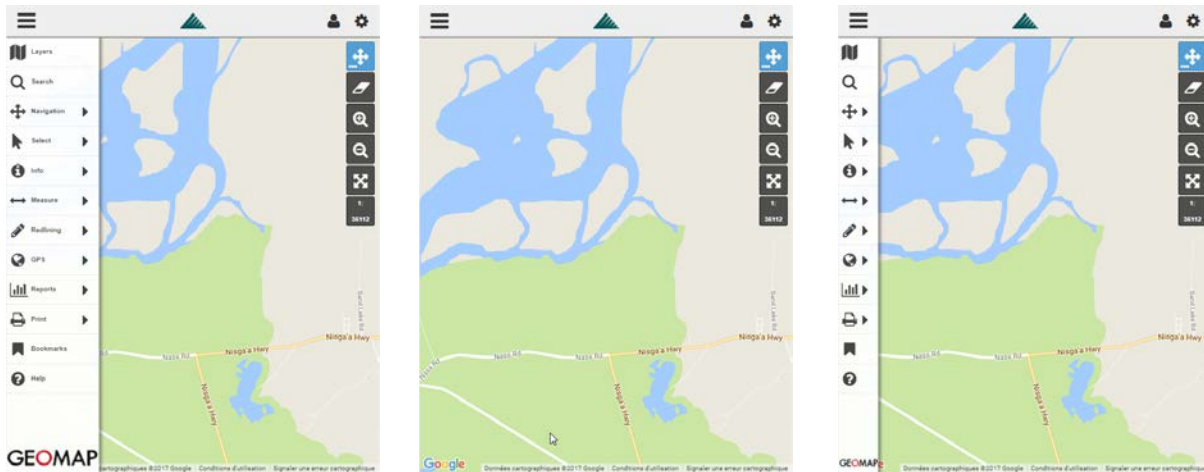



Figure 4— Default tools panel vs masked vs icons only

4.1.2 Submenus

Tools that have this icon next to them  open a sub-menu that can be masked by clicking again on the main button.

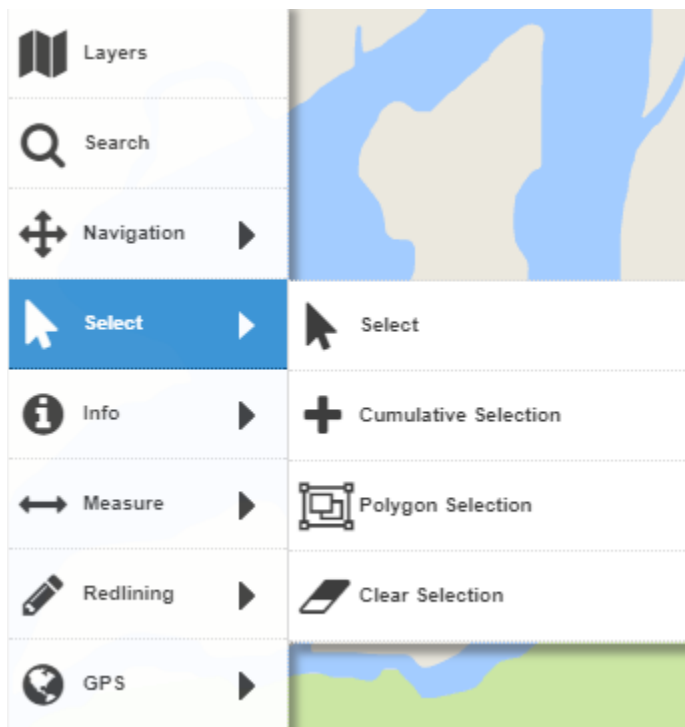


Figure 5 — Sub-menu example

4.1.3 Windows

Tools that need to display options or results open a window that covers the entire map. This window adapt itself to the width available. Which means that on a smaller screen it will also cover the tools panel.

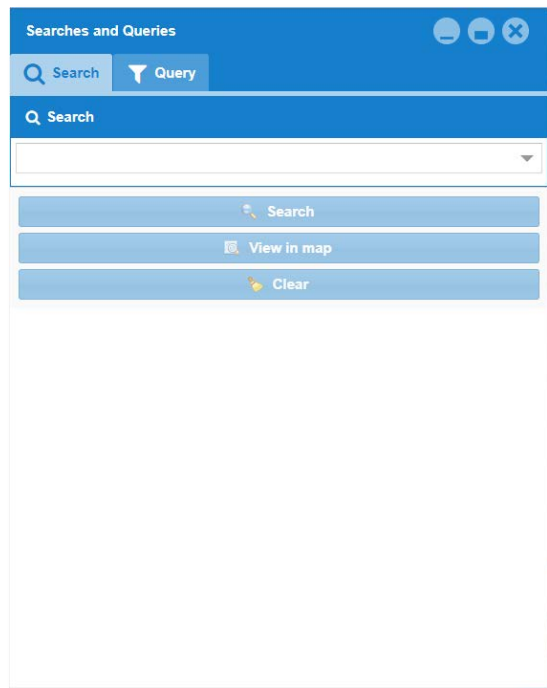
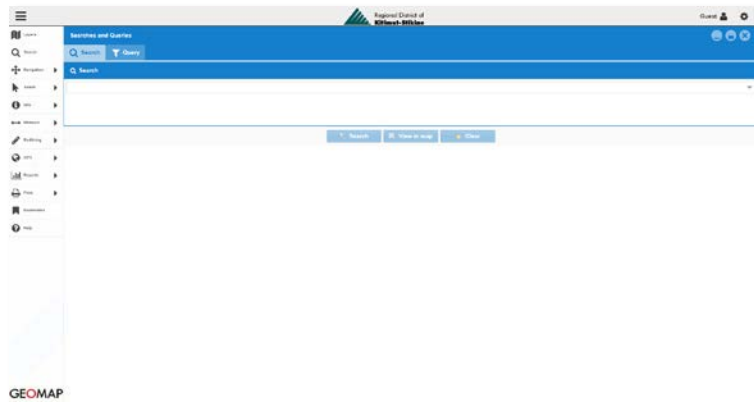






Figure 6 — Tools window large vs narrow

The display controls are displayed at the top right of the window:

-  Lower the window at the bottom of the screen, to see all the map and still be able to bring back the full window;
-  Lower the window at the bottom of the screen to one third of the screen. Allow the user to see the map and the window at the same time;
-  Extend the window to take the full available space → Default display;
-  Close the window.

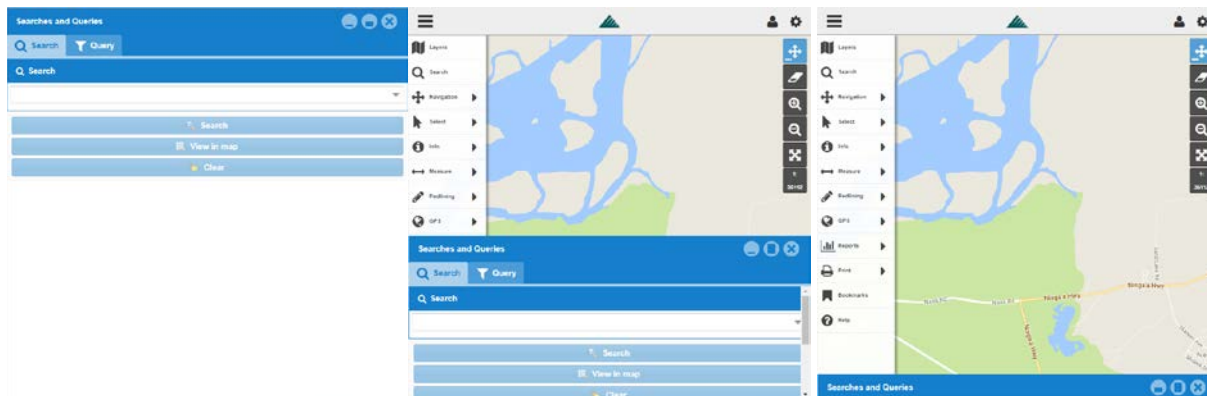






Figure 7 — Extended window vs lowered to 1/3 vs fully lowered

4.1.4 How to use tooltip

When a tool is more complex to use, a tooltips panel will appear with general information on how to use the tool. The tooltips panel is also used to display information like measurement, coordinates, etc. (see 4.7)

It can also contain control buttons:

-  Extend the tooltips panel.  Lower the tooltips panel to its initial state;
-  Close the tooltips panel and disable the tool. The navigation tool then becomes active.
-  Allow the user to start the action over.

The tooltips can be disabled from the settings panel. (see 3.1).

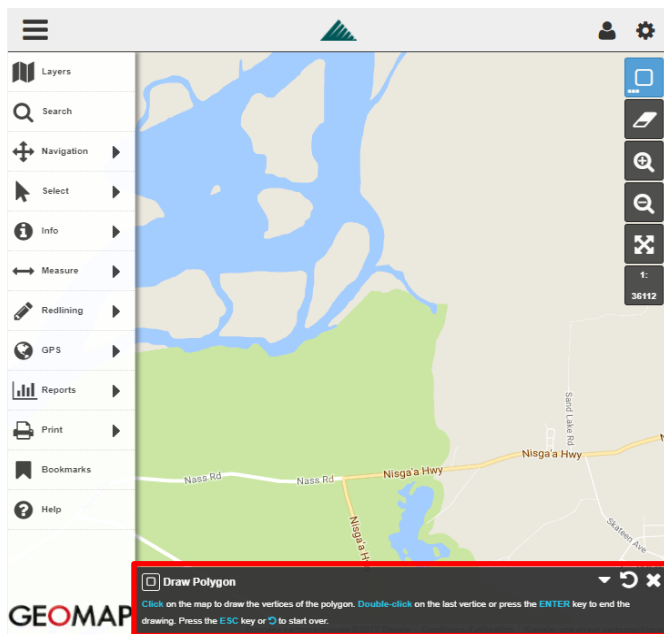



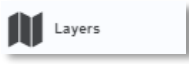




Figure 8 — Tooltips panel

4.2 Layers




The “Layers” tool display a legend panel with all the available layers. To display a layer in the map, check the box next to it.

Some layers are only available at a range of scale, so the content of the legend is link to the scale.

-  close the panel; also, possible by clicking on  again;
-  extend a group of layers and  close a group of layers;
- Active layers are identified by ☒, inactive layers are identified by ☐ ;
- Changes to the layers are effective only by clicking on  or canceled by clicking on .



Saving changes

Changes are effective and saved only by clicking on the button . Any other methods used to close the panel will cancel the changes.

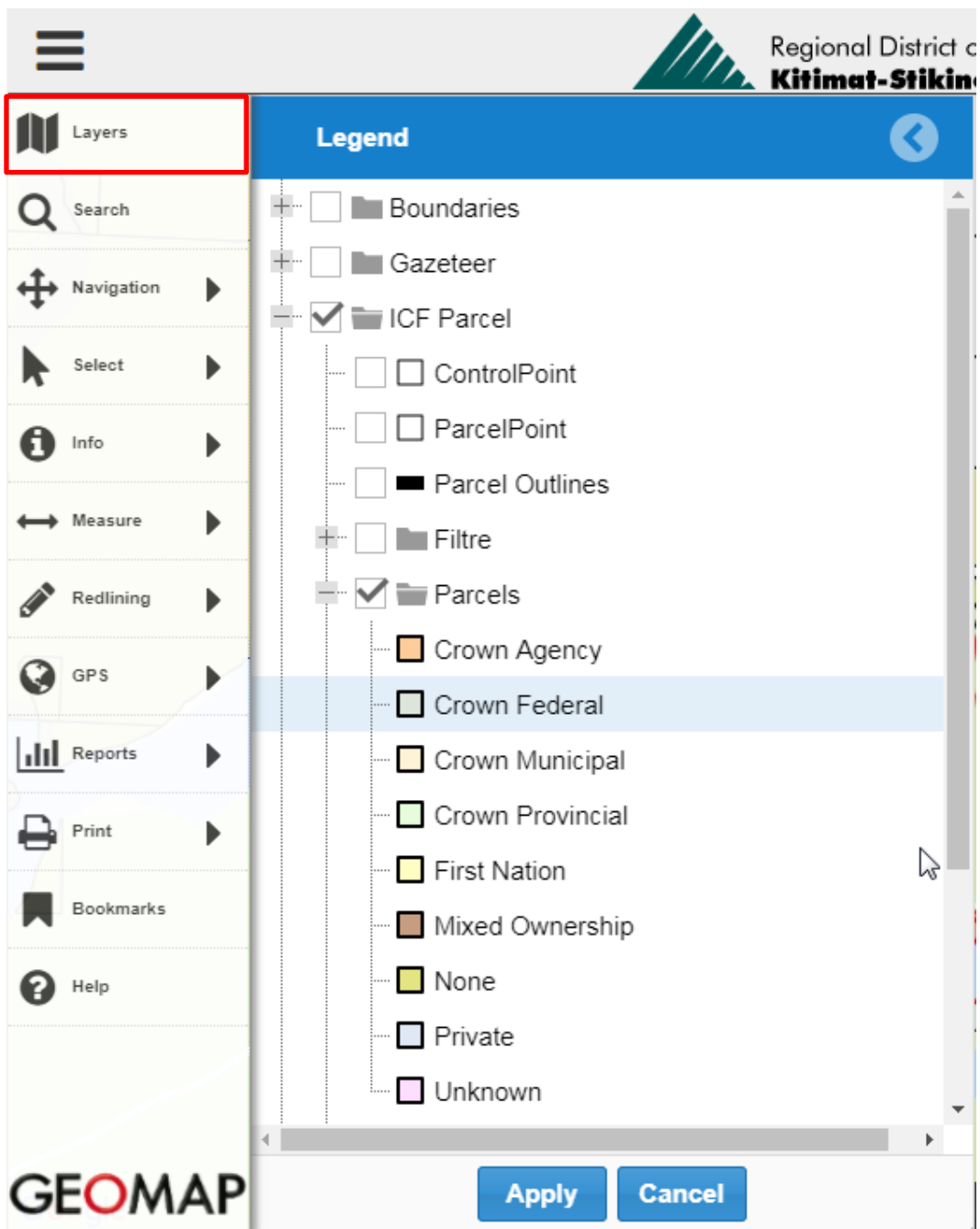


Figure 9 — Legend

4.3 Search



Opens the search window (see 4.1.3). The different search methods are separated by selectable tabs at the top of the window.

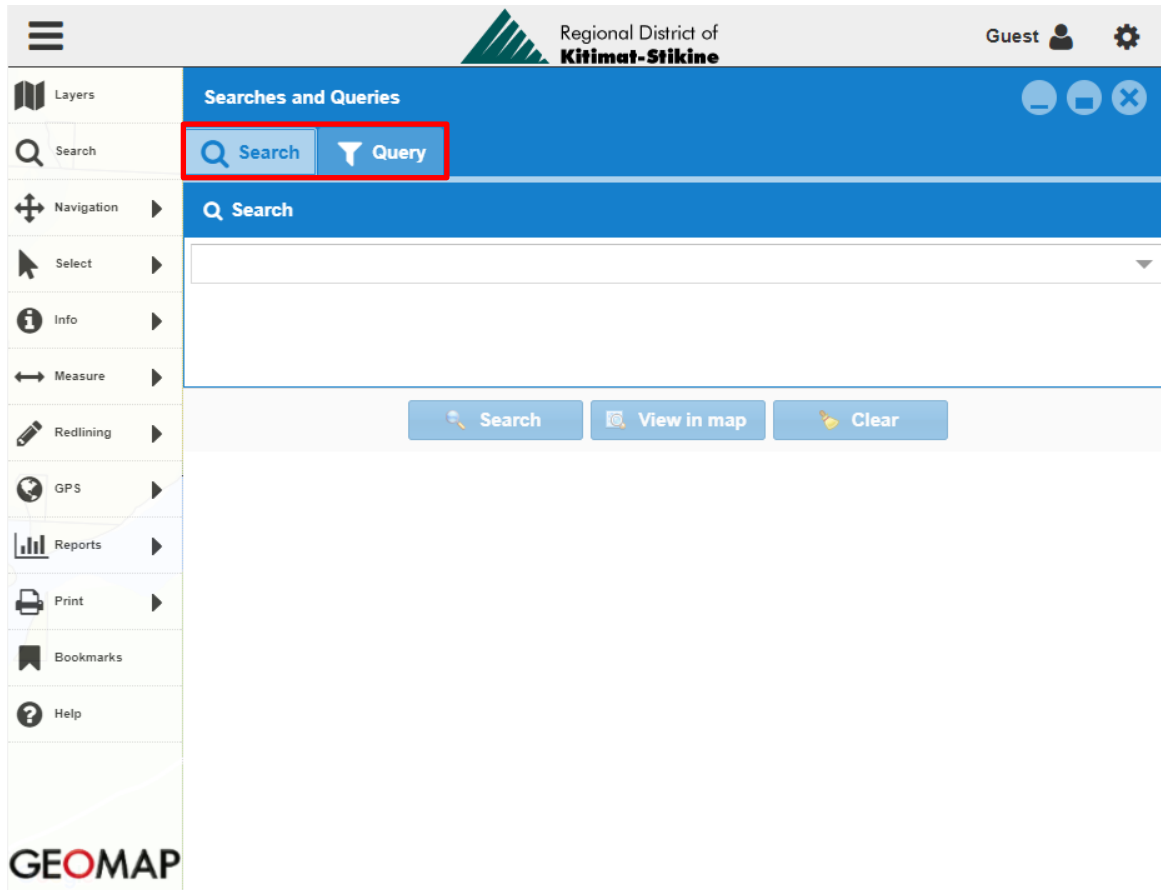





Figure 10 — Available search

4.3.1 Search



Searches configured by the administrator.

- 1- Choose a search in the list;
- 2- Add requested values to the field displayed in the window;
- 3- Perform the search:
 - a.  Search Display the results in a new window (see 4.3.4);
 - b.  View in map Select and zoom to the result of the search in the map.
 - c.  Clear Clear the fields.

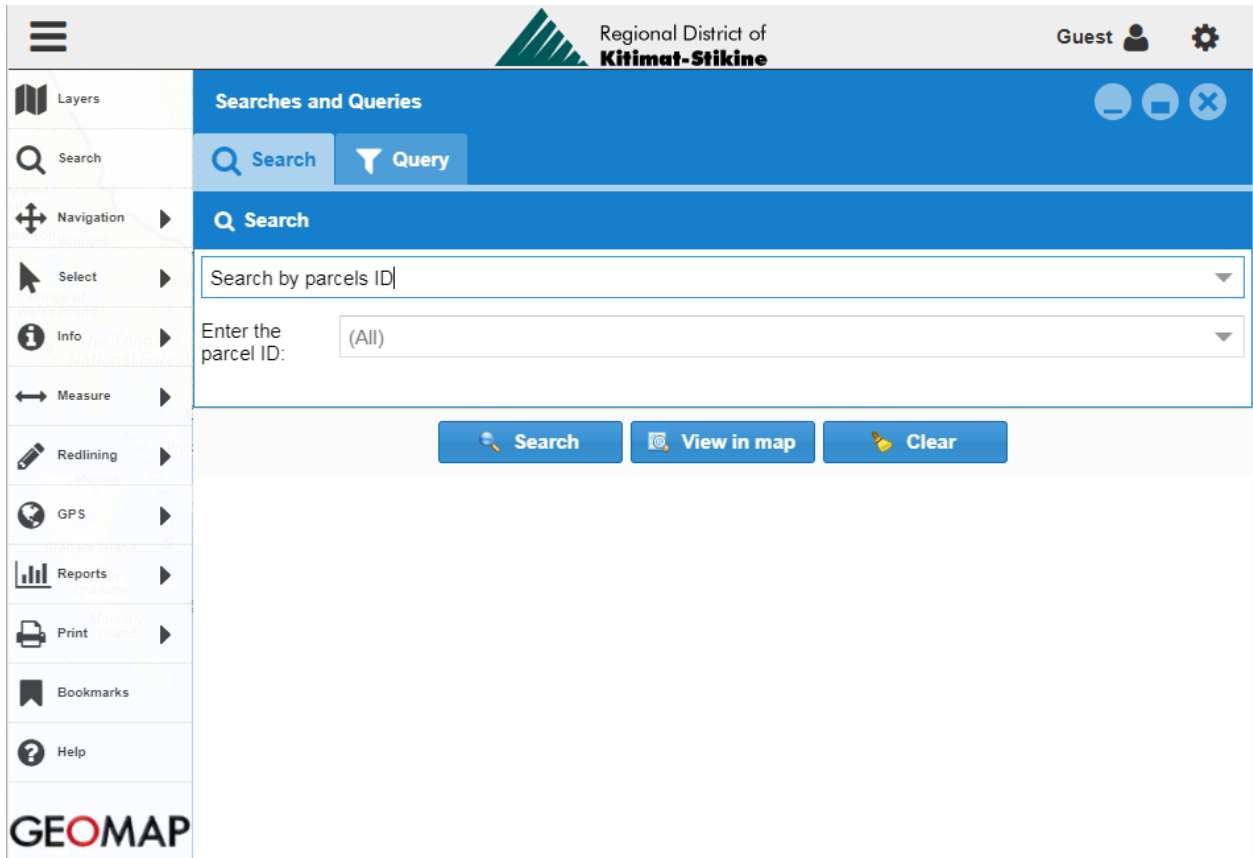




Figure 11 — Search



4.3.2 Query



Interrogate the available objects based on columns and criteria that you choose. As opposed to the searches limited to the columns defined by the Administrator, the queries can be performed on all the available columns of the object.

-  Display the results in a new window (see 4.3.3);
-  Clear the query's fields.

Regional District of
Kitimat-Stikine

Guest  

Layers

Search

Navigation

Select

Info

Measure

Redlining

GPS

Reports

Print

Bookmarks

Help

GEOMAP

Searches and Queries

Search

Query

Simple Query

Object:

Column:

Operator:

=

Value:

(All)

Execute

Clear Filter

Figure 12 — Query example

4.3.3 Query results

Query results are displayed in a specific window. Each queried object results are displayed in a tab with the name of the object. Click on each tab to consult the results linked to each object.

Results are grouped by 25 per page. Navigate those pages using the navigation tools located at the bottom of the table.

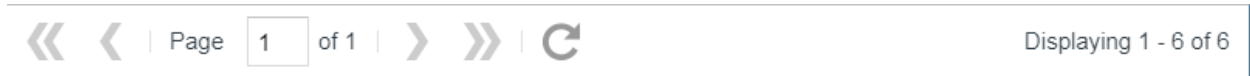


Figure 13 — Search result; Navigation tools

 Perform the search again


The screenshot shows the GEOMAP application interface. At the top, there is a header with the 'Regional District of Kitimat-Stikine' logo and a 'Guest' user profile. A left sidebar contains various tool icons: Layers, Search, Navigation, Select, Info, Measure, Redlining, GPS, Reports, Print, Bookmarks, and Help. The main area is titled 'Results' and features a tabbed interface with four tabs: 'PMBC - Parcel (6)', 'PMBC - Parcel legal (2)', 'PMBC - Parcel address (0)', and 'PMBC - Parcel description (0)'. The 'PMBC - Parcel (6)' tab is active, displaying a table with the following data:



NAME	PLANNUMBER	PIN	PID	PCL_CLASS	DESCRIPT
2300280	47TR15_COAST	2300280	<null>	PRIMARY	DISTRICT LOT 6450
2300310	47TR15_COAST	2300310	<null>	PRIMARY	DISTRICT LOT 6451
024771651	NO_PLAN	<null>	024771651	SUBDIVISION	DISTRICT LOT 6453
024771694	NO_PLAN	<null>	024771694	SUBDIVISION	DISTRICT LOT 6455
90152880	EPC1515	90152880	<null>	PRIMARY	DISTRICT LOT 8136
90152885	EPC1515	90152885	<null>	CROWN SUBDIVISION	BLOCK B, DISTRICT

Below the table is a pagination bar with navigation icons and the text 'Page 1 of 1' and 'Displaying 1 - 6 of 6'. At the bottom of the interface, there are icons for search, layers, and a document with a checkmark.

Figure 14 — Request result window

Each action applicable to the active tab are displayed under the table:

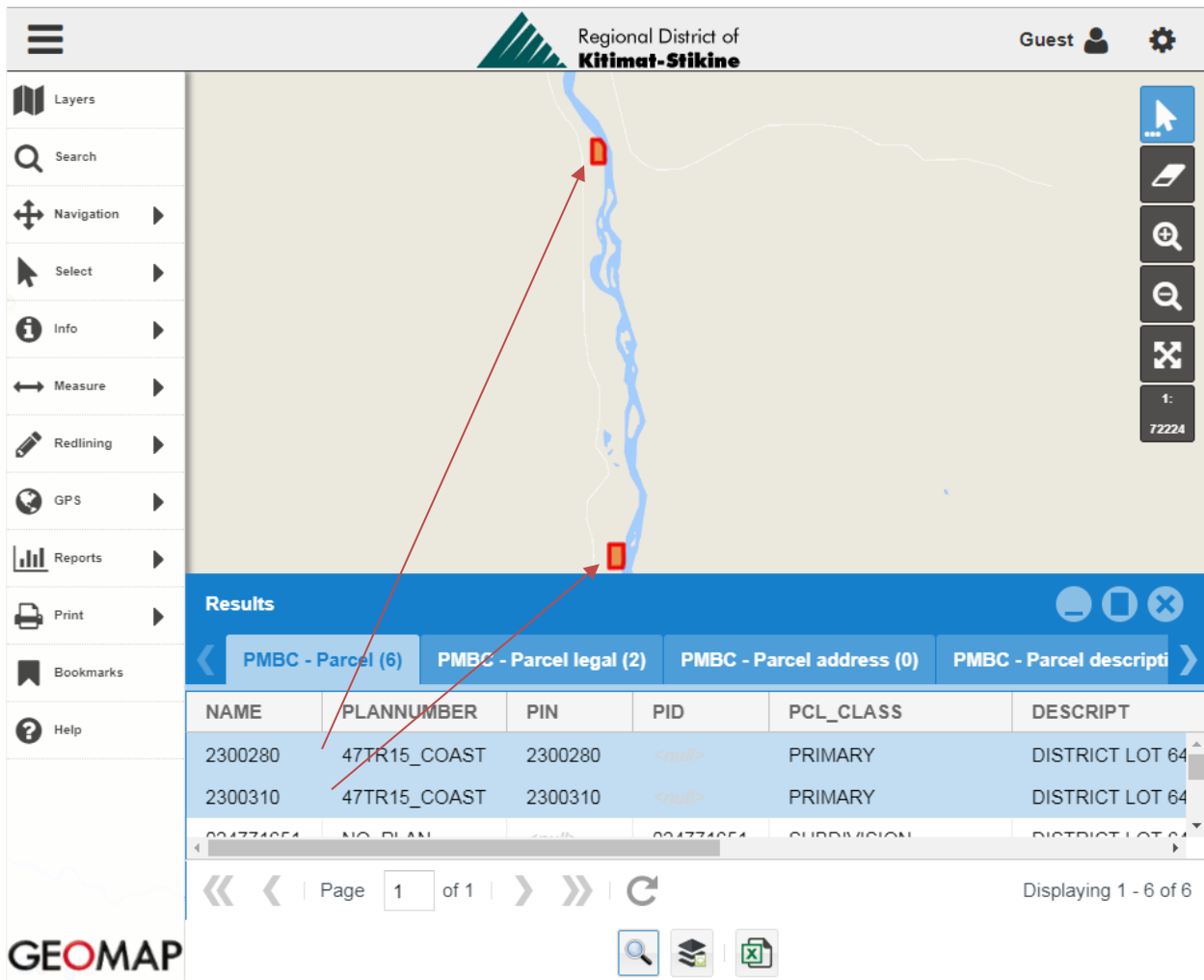
-  Select and zoom to element or elements currently selected in the table; Highlighted in blue in the table;

-  Create a filtered layer containing all the results of the active tab (all pages). This layer is displayed directly on top of the source layer in the legend. The layer uses the same style as the source layer. The source layer is automatically switch to inactive and the filtered layer is switch to active;
-  Download the results to excel format;





Zoom to selected elements

Note that multiple selections are only possible with a mouse and keyboard. On mobile you can only select one element at a time.



Regional District of
Kitimat-Stikine

Guest  

Layers
Search
Navigation
Select
Info
Measure
Redlining
GPS
Reports
Print
Bookmarks
Help

Results

PMBC - Parcel (6) PMBC - Parcel legal (2) PMBC - Parcel address (0) PMBC - Parcel descripti

NAME	PLANNUMBER	PIN	PID	PCL_CLASS	DESCRIPT
2300280	47TR15_COAST	2300280	<null>	PRIMARY	DISTRICT LOT 64
2300310	47TR15_COAST	2300310	<null>	PRIMARY	DISTRICT LOT 64
004774054	NO PLAN	<null>	004774054	SUBDIVISION	DISTRICT LOT 64

Page 1 of 1

Displaying 1 - 6 of 6

GEOMAP

Figure 15 — Result window – Zoom

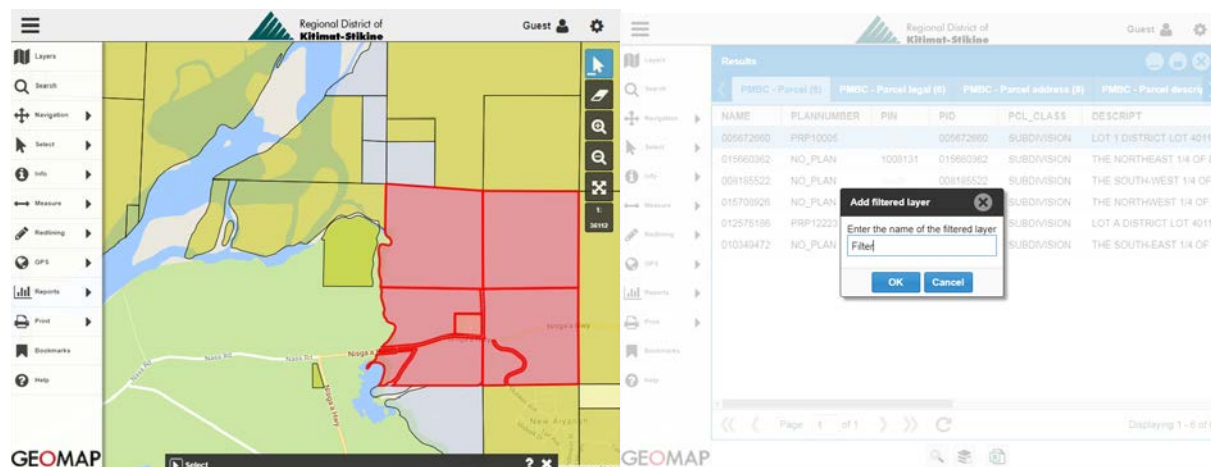


Figure 16 — Result window - Filter

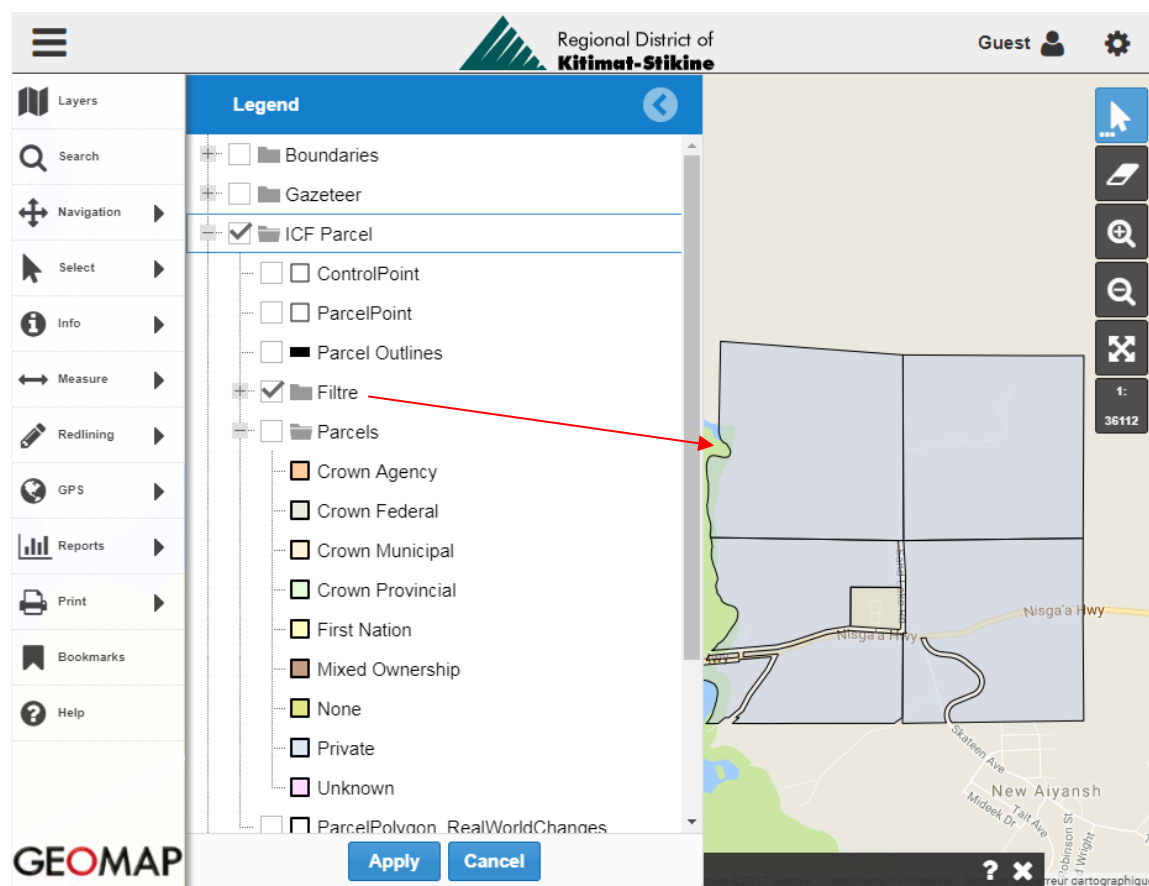


Figure 17 — Result window - Filter 2

4.4 Navigation



Active the pan tool:

- **Pan:** click on the map and maintain the click or the finger on touchscreen to pan the map;
- **Zoom:** use the scroll button to zoom in or zoom out. On mobile, use 2 fingers to zoom; Pinch to zoom in and spread to zoom out.

4.5 Selection



All selection tools are grouped under this tab in the tools panel.

4.5.1 Select



Use this tool to select objects displayed in the map. Only the layers configured to be selectable are selectable.

Each click with the tool creates a new selection in the map.

- Select elements at a determined position → Just click on the object in the map;
- Select elements contained in a zone (rectangle) → : click on the map for the first point of the rectangle, maintain the click and then drag the cursor or your finger to create the rectangle → Release the click or your finger to select all the elements crossing the rectangle.

Elements that are selected are highlighted in the map (red by default).

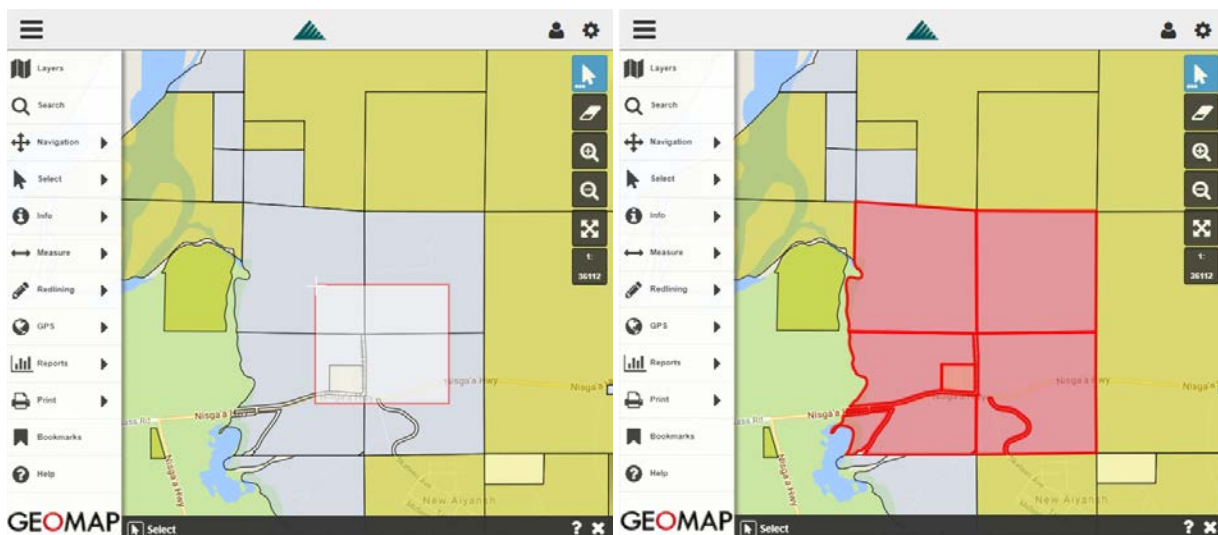


Figure 19 — Rectangle selection

4.5.2 Cumulative selection



Works the same way as the select feature, but each click in the map add a selection to the current selection instead of replacing it.

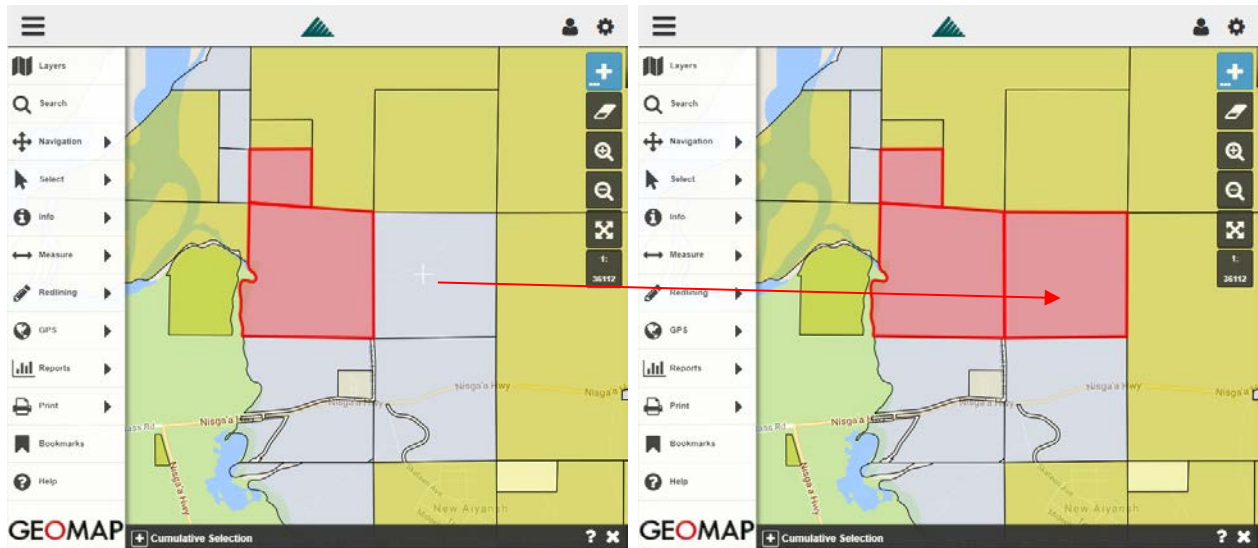
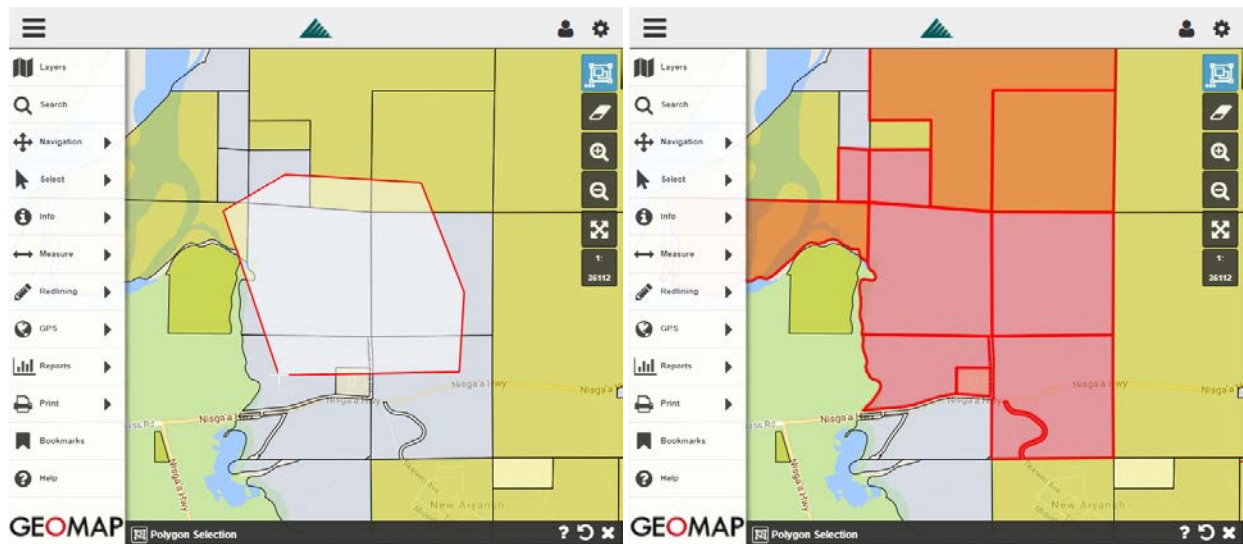


Figure 20 — Cumulative selection

4.5.3 Polygon selection



Select by drawing a polygon in the map. Click in the map to create the first vertex of the polygon → Click elsewhere in the map to add a vertex to the polygon → Double click or double tap to finish the polygon on the last vertex.



Note that the navigation shortcuts are useful here (see note in 4.4)

Figure 21 — Polygon selection and result

4.5.1 Clear selection



Clear the active selection in the map.

4.6 Info



Tools to interrogate the data by interacting with the map. Only the visible layers are queried.

4.6.1 Query point



Drill through the displayed layers by clicking to a point in the map and query the data (objects) linked to the entities located at this position. It then opens a window with the results (see 4.3.4).

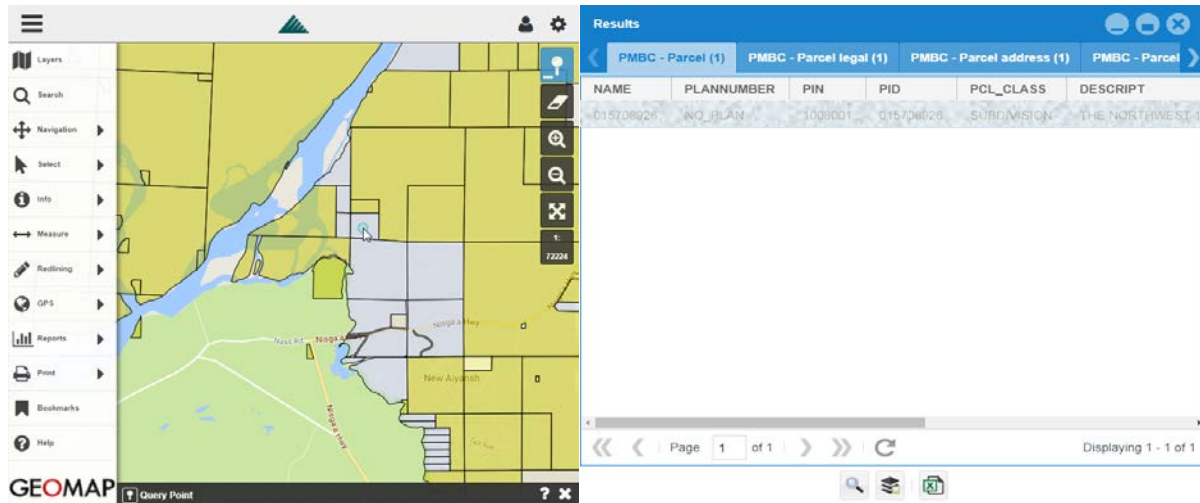


Figure 22 — Query point and result

4.6.2 Query selection



Query the entities selected in the map and display the data (objects) linked to their layer in a window (see 4.3.4).

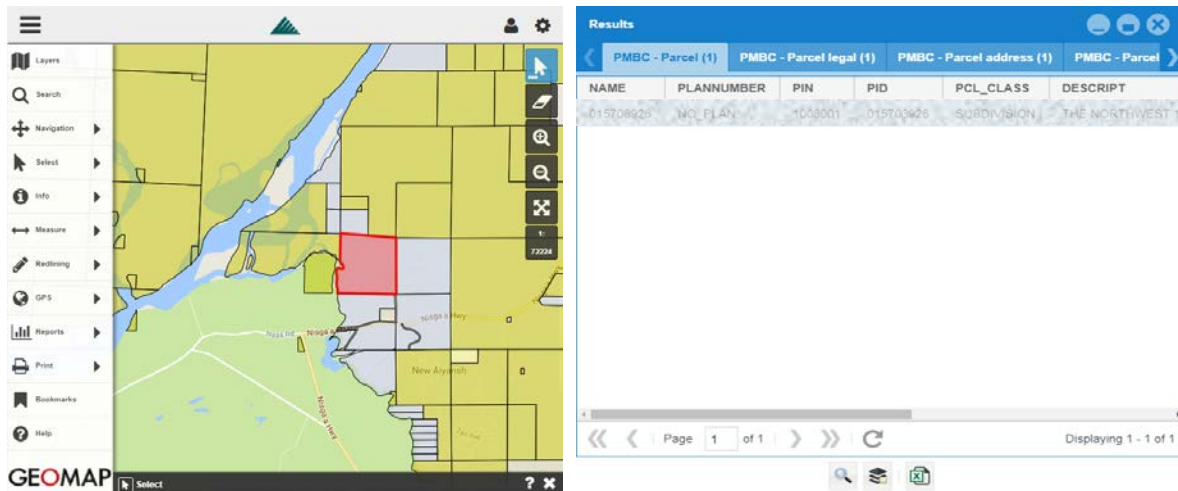


Figure 23 — Query selection and result

4.6.3 Capture coordinates



Capture the coordinates of the cursor position each time you click in the map. The returned coordinates are in Lat/Long and in the coordinate system of the map. The result is displayed in a tooltip at the bottom of the page (see 4.1.4).

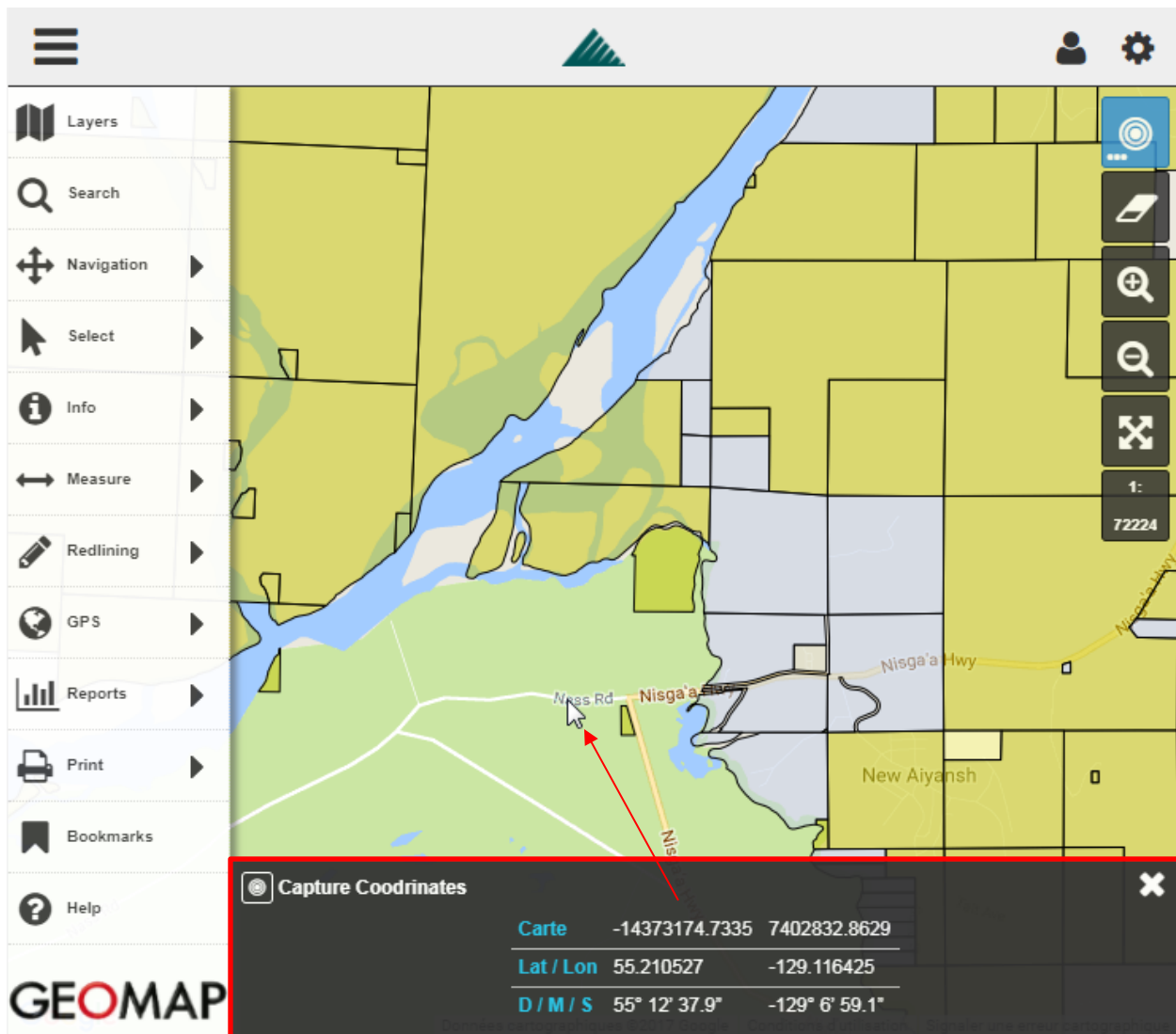


Figure 24 — Capture coordinates

4.6.4 View in Google Maps



Open a new browser tab in Google Maps to the nearest position clicked in the Map. To use this feature, the pop-up blocker needs to be disabled.

4.6.5 Click tooltip



Force the object's tooltip to display. The tooltip opens at the bottom of the page with the tooltip information configured by the administrator. The information is associated to the nearest element of the click in the map.

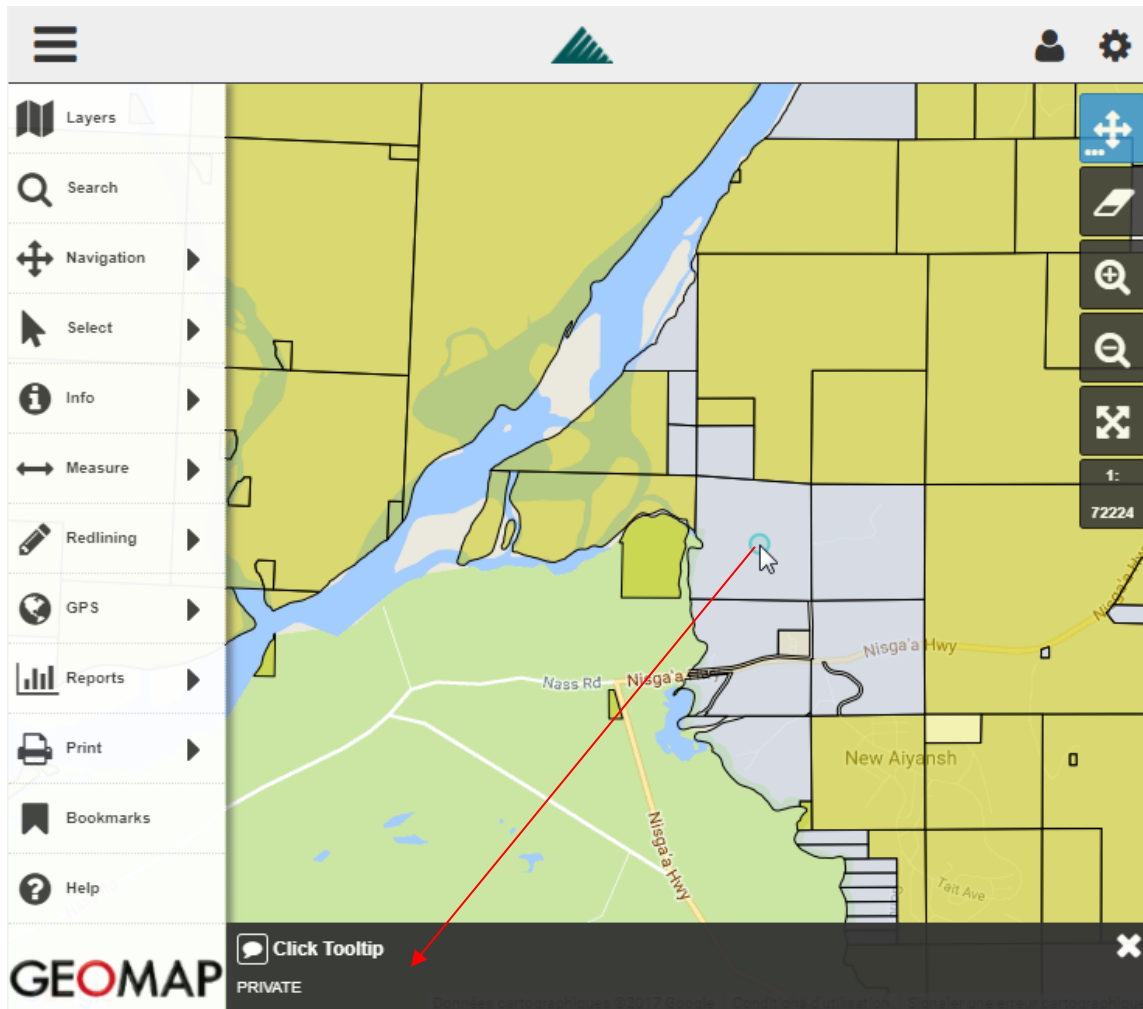


Figure 25 — Click tooltip

4.7 Measure



Tools to measure things in the map. The unit system used is defined in the settings panel (metric or imperial, see 3.1). The results are displayed in a tooltip at the bottom of the page (see 4.1.4).

4.7.1 Measure line



Click in the map for the first vertex. Each new vertex added to the measure is a new distance and the total distance is dynamically calculated. The measures are listed in a tooltip at the bottom of the page. To end the measure, double-click to add the last vertex.

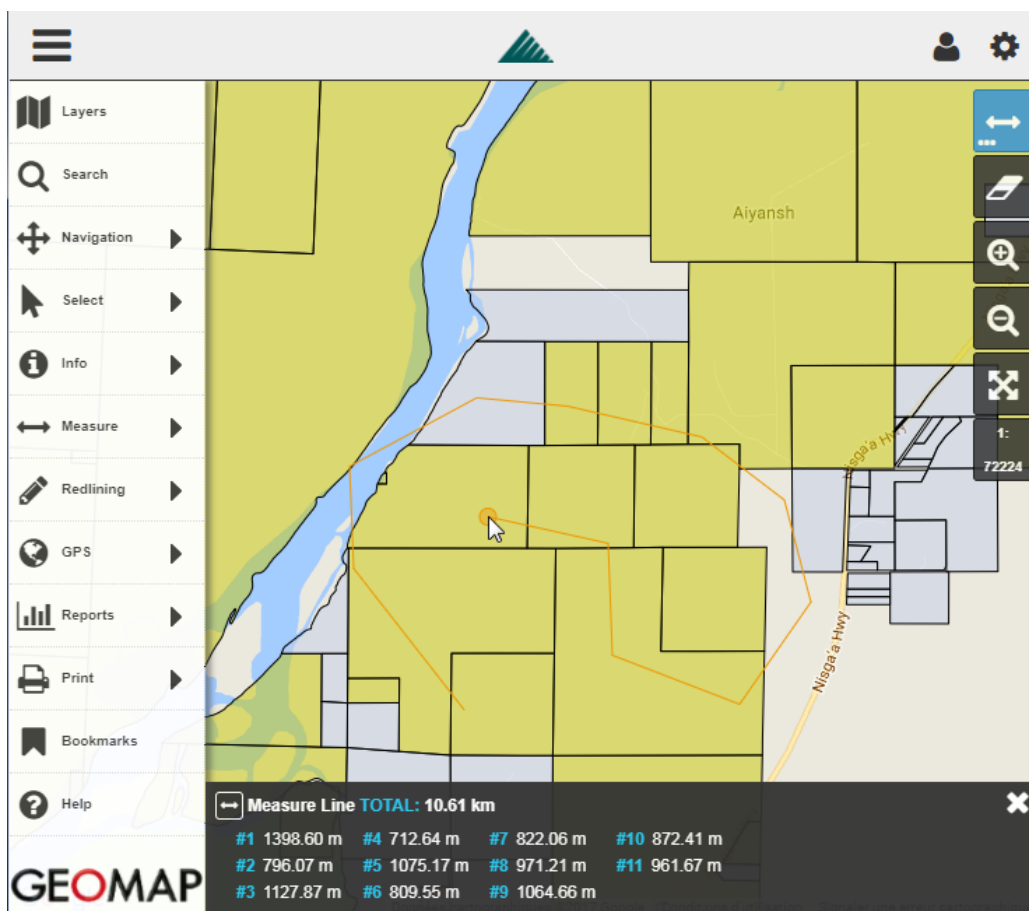


Figure 26 — Measure line

4.7.2 Measure area



Click in the map for the first vertex. Each new vertex modifies the polygon measuring the area. The total measure of the surface is displayed in a tooltip displayed at the bottom of the page. To end the measure, double-click to add the last vertex of the measure.

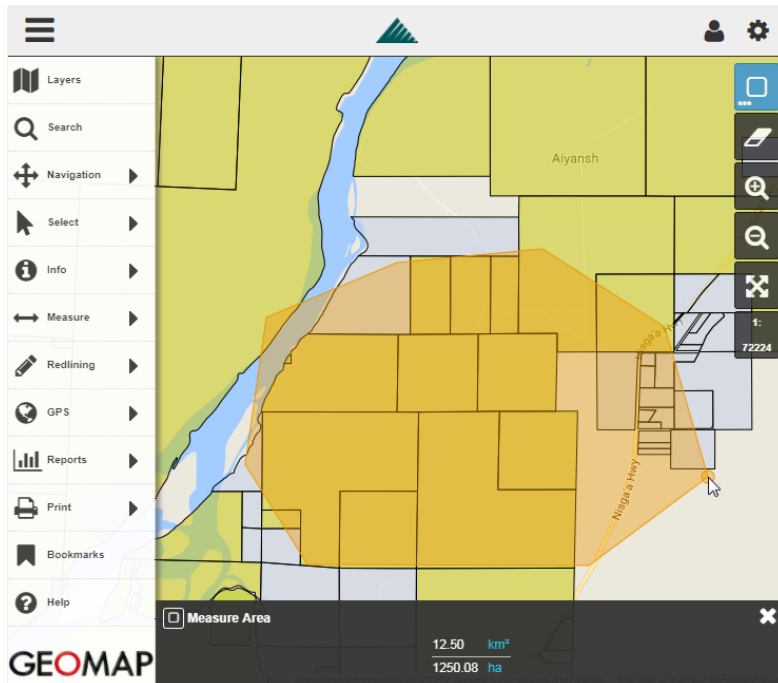


Figure 27 — Measure area

4.7.3 Measure selected area



Display in a tooltip at the bottom of the page, the cumulated surface of the selected elements.

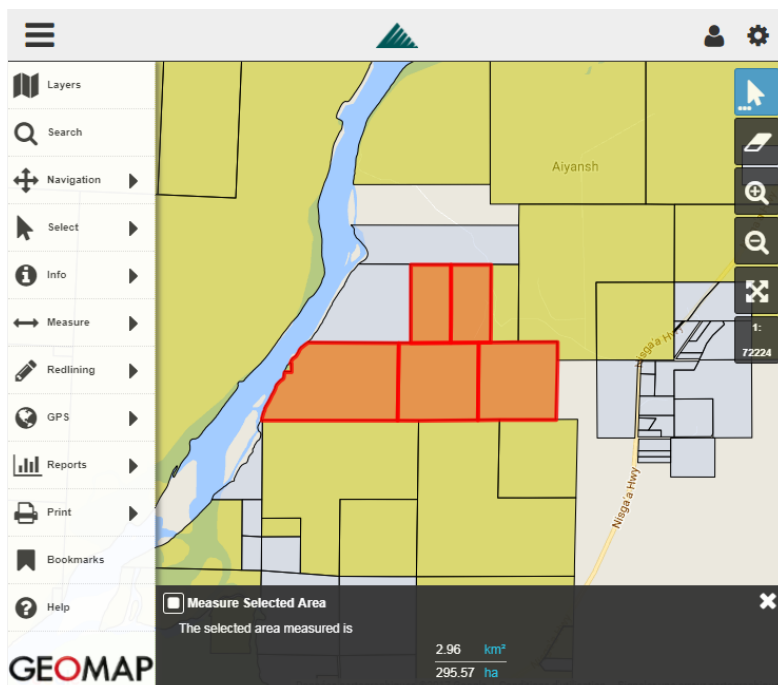


Figure 28 — Measure selected area

4.8 Redlining



Adds text and drawing to the map. The created redlinings are added to two automatically generated layers. One for the texts and the other one is for the lines, polygons, symbols and circles.

The redlining styles are defined in the settings panel (see 3.3).

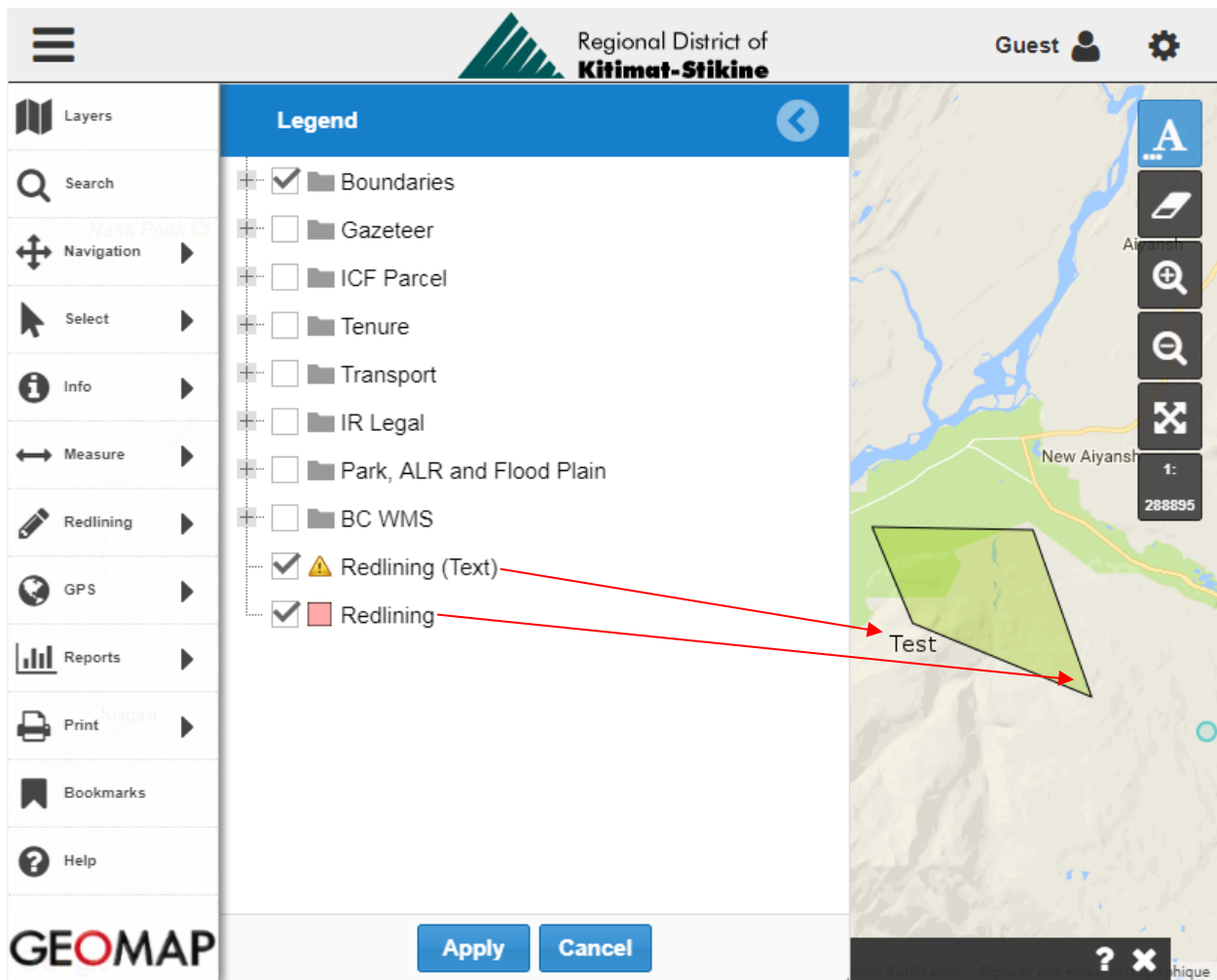


Figure 29 — Redlining layers










Sustainability

The redlining layers are temporary note that are destined to be used for printing and screenshots. They are visible at all scale. If the user refreshes the web page, the redlining that he did are lost. To save the redlining, the user need to save a session (see 6).

4.8.1 Draw



The first button “Draw ...” is a shortcut for the last used redlining tool (default is draw polygon). To access all the available redlining type, click on ▼ next to the “Draw ...” button:

- Polygon  : Each click in the map add a vertex to the polygon. Press enter or double-click to add the last vertex of the polygon;
- Line  : Each click in the map add a vertex to the line. Press enter or double-click to the last vertex to the line;
- Circle  : Click in the map for the circle center, then maintain the click or your finger and drag to the desired radius. Release the click or your finger to end the circle;
- Point  : Each click in the map adds a symbol. To change the point symbol, click on ▼ next to the button;
- Text  : Click in the map to adds a text to the clicked position. Enter the text in the field and press  to validate or press  to cancel.


For polygon and line redlining it is possible for the user to restart the drawing by clicking on the button  in the tooltip.



Figure 30 — Symbol selection of “draw point” feature

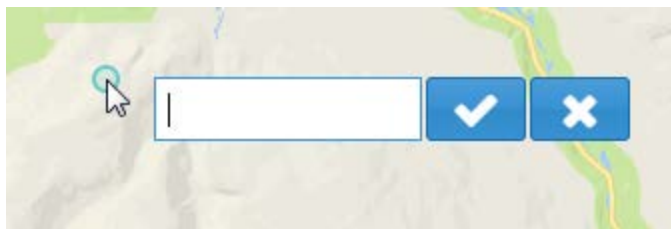


Figure 31 — Text insertion

4.8.2 Delete features



Erase selected redlining.

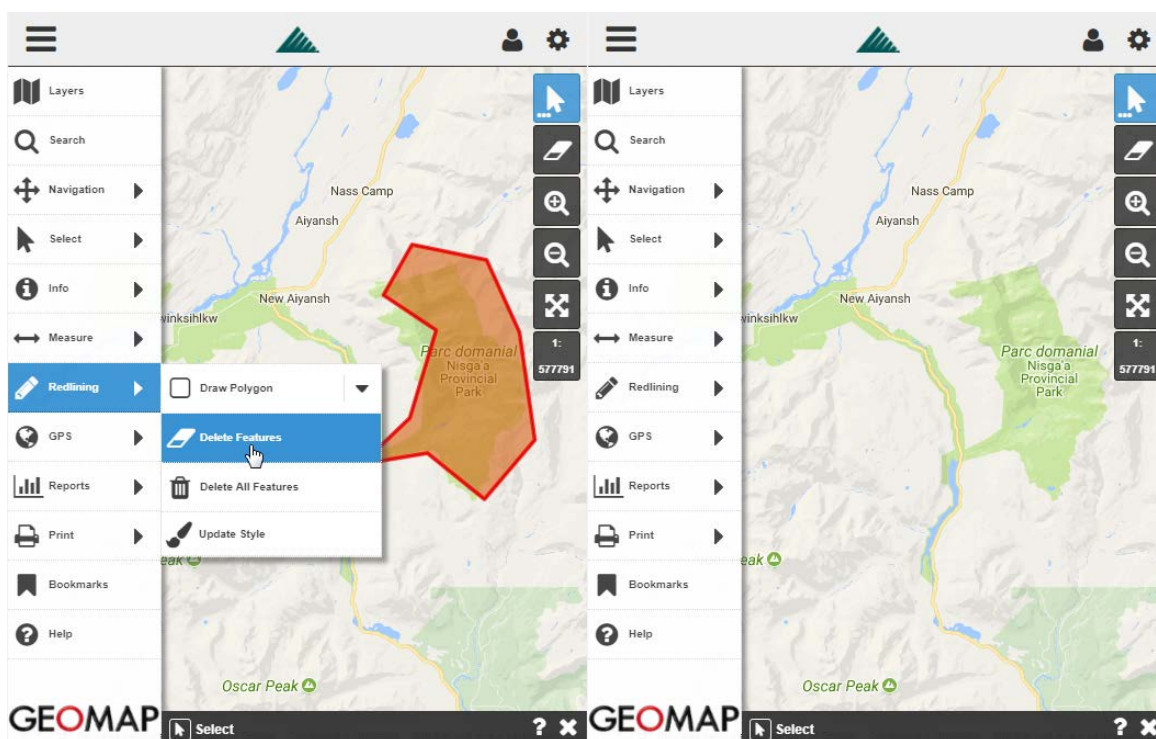


Figure 32 — Delete features

4.8.3 Delete all features



Erase all redlining.

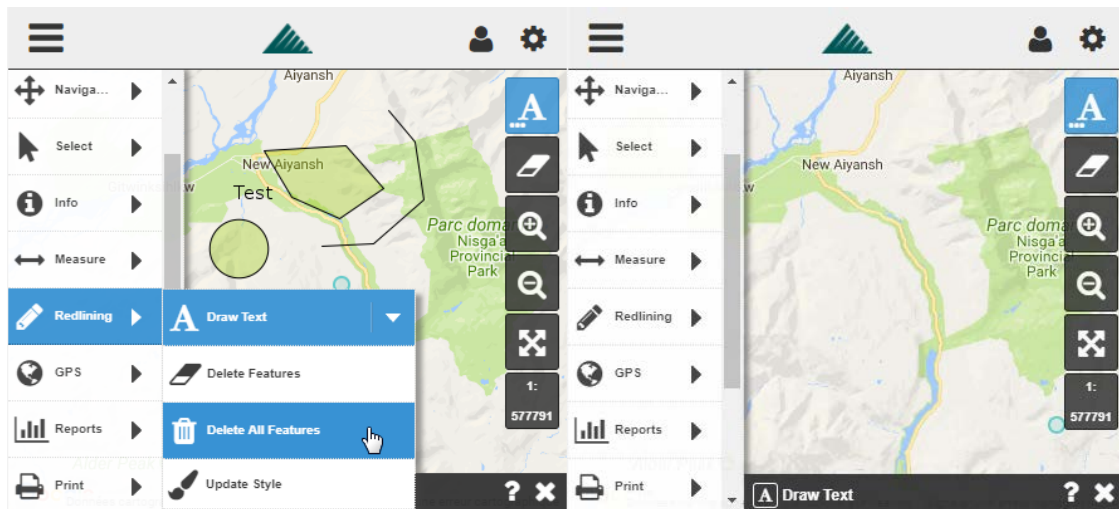


Figure 33 — Delete all features

4.8.4 Update style



Update the style of selected redlining according to the redlining settings.

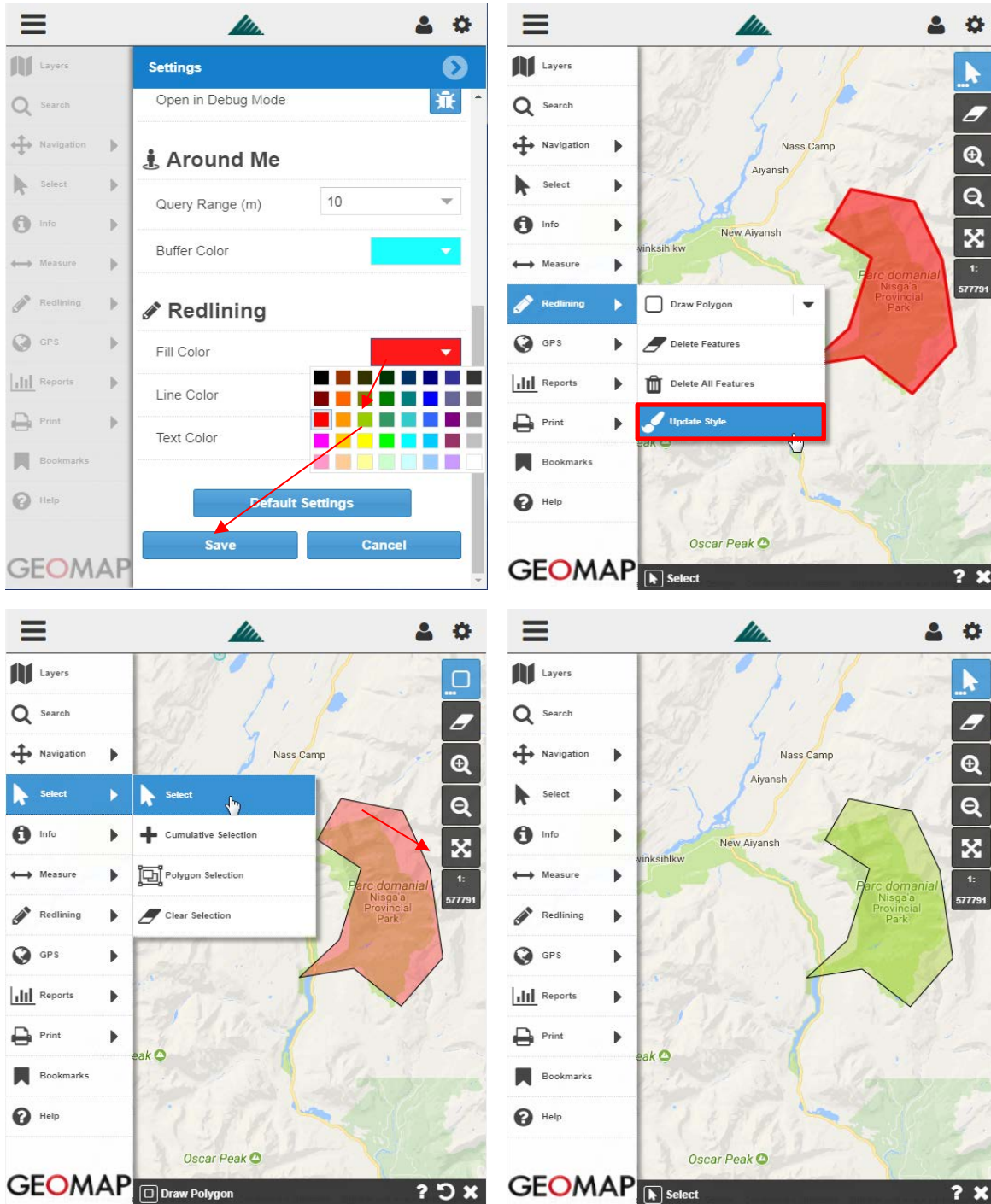


Figure 34 — Edit style of existing redlining

4.9 GPS



Tools using the GPS of the device. To work, the device must have a GPS.

4.9.1 GPS tracking



When active, the position of the device is marked on the map by a red icon. When the device moves the position of the icon updates automatically.

To disable the tool, click on the button again.

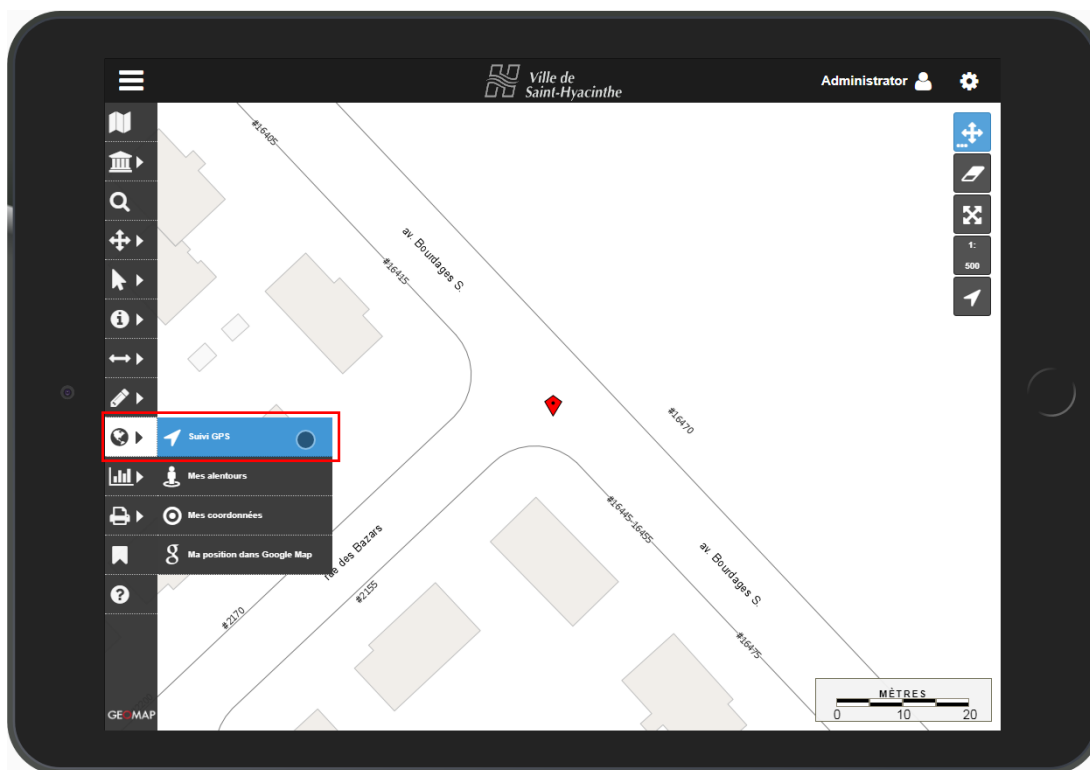


Figure 35 — GPS tracking activation

4.9.2 Around me



Query all object associated with the visible layers, within a buffer radius around the position of the device. The radius of the buffer is defined in the settings panel (see 3.2). This buffer radius is displayed a few seconds before a results window take all the available space (see 4.3.3).

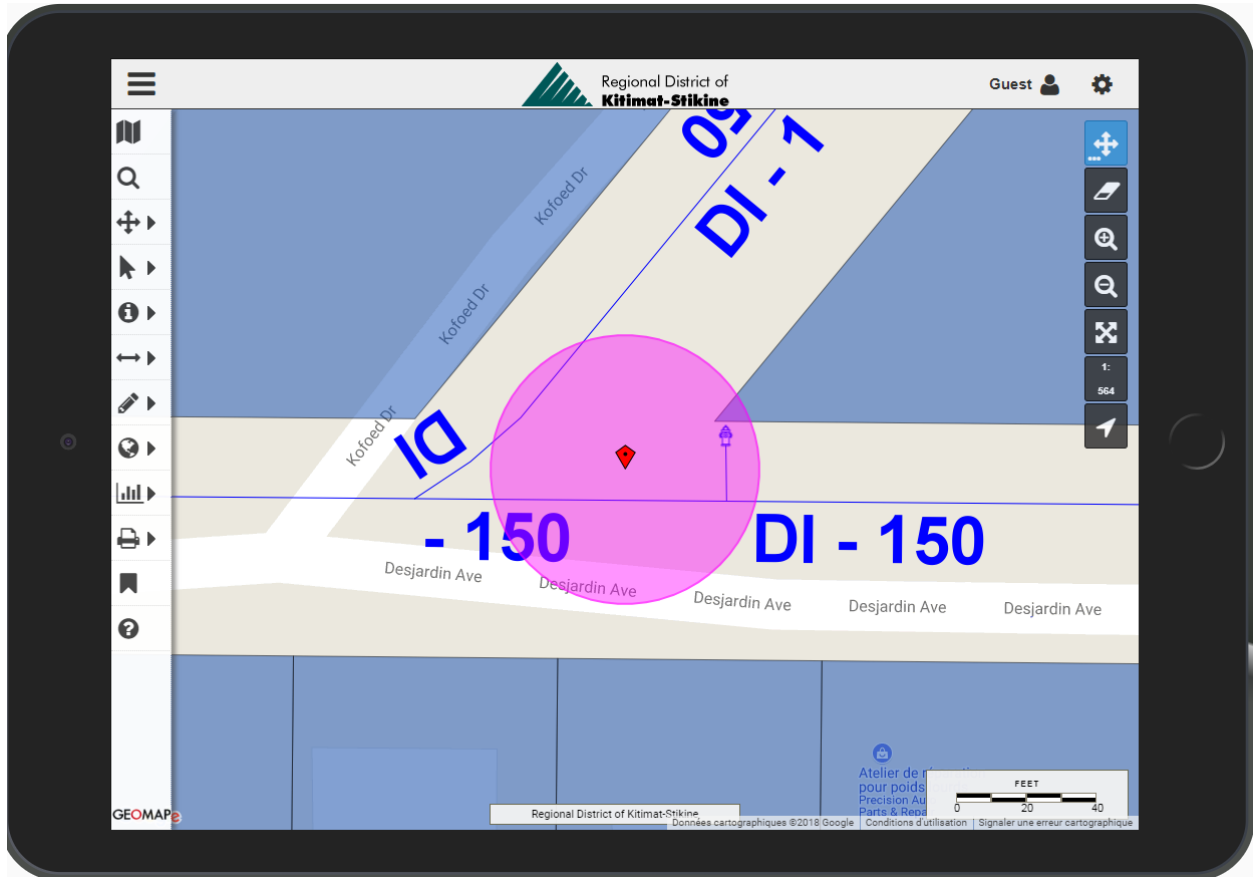


Figure 36 — Around me – Search radius

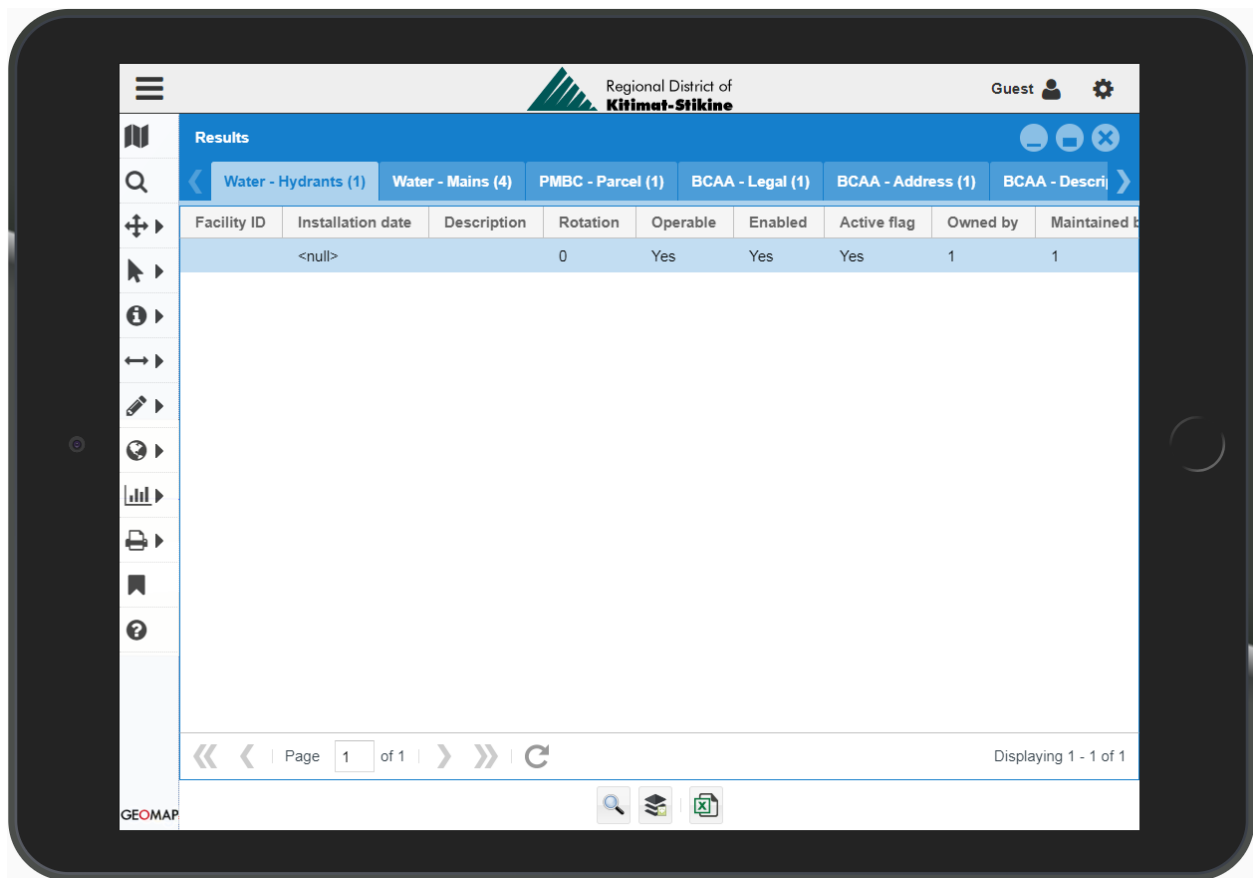


Figure 37 — Around me - Results

4.9.3 My coordinates



Display the coordinates of the device in a tooltip window at the bottom of the page. It updates automatically when the device moves.

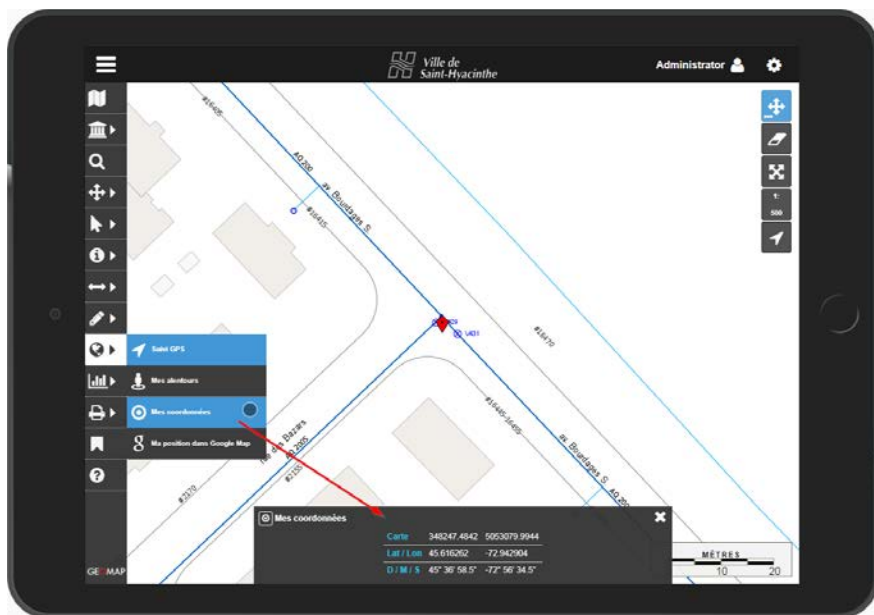


Figure 38 — My coordinates

4.9.4 My position in Google Maps



Open a new browser tab in Google Maps at the position of the device.

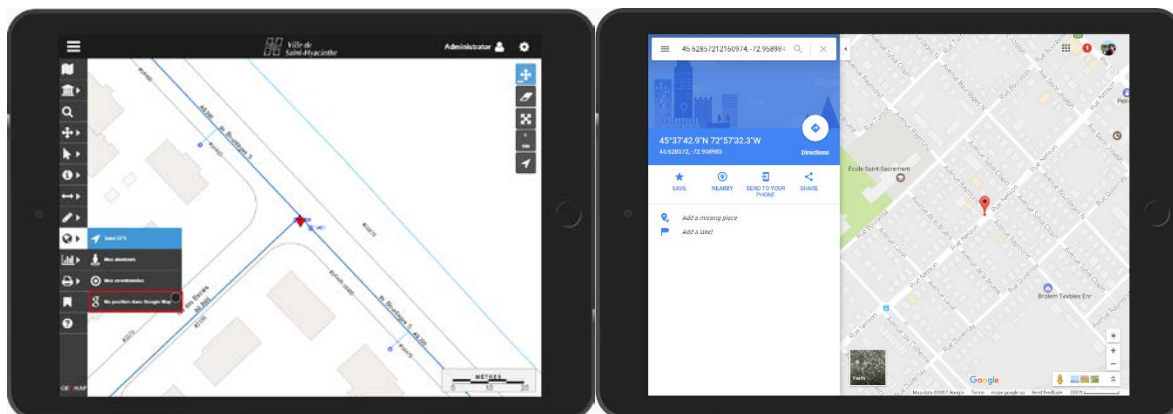


Figure 39 — My position in Google Maps

4.10 Reports



Give access to reports (SSRS or others) linked to the selected objects in the map. The list change according to the selected object, so if no report is configured for the selected object, no report will be available in the list. The available reports are configured by the administrator.

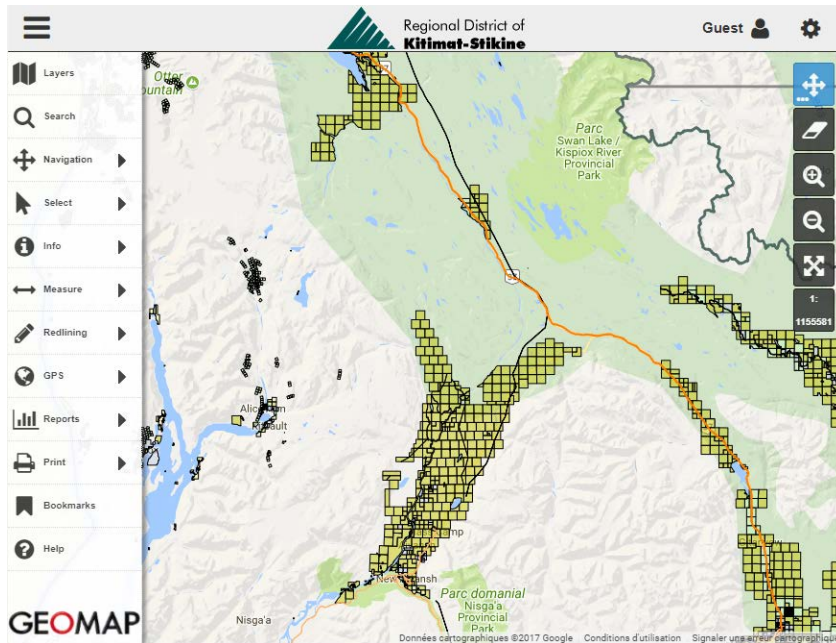


Figure 40 — Access to external reports

4.11 Print




Printing options for the map.

4.11.1 Print map



Export the map to PDF format. Open a printing window with printing settings:

- Title: mandatory and added at the top of the print;
- Comment: optional and added at the bottom of the print;
- Display legend: if active, the legend is displayed to the left of the map;
- Display north arrow: if active, the north arrow is positioned at the bottom left of the map;
- Paper size: paper dimensions of the generated PDF;
- Orientation: paper orientation;
- Rotate map: allow the user to rotate the map. This button  allow the user to see the map rotation while modifying it. This option is disabled if there is a base map like Google, Openstreet map, etc;
- Print: Create the pdf and ask the user if he wants to open it or download it.

The scale is respected when using this tool, there is no distortion.

Print the Map

Title:

Comment:

Show Legend: ☒

Show North Arrow: ☒

Paper size:

Orientation:

Rotate map (degrees):

+
-

Print

Close

Figure 41 — Printing settings

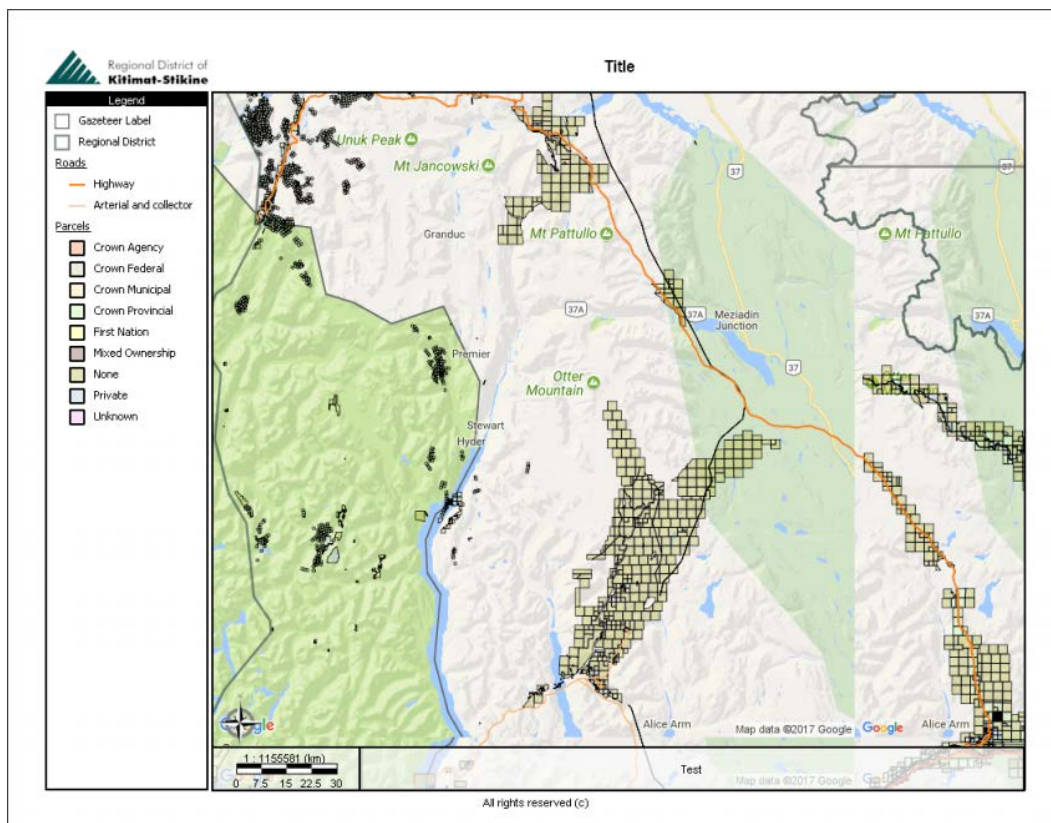


Figure 42 — Printed map

4.11.2 Save map image



Create a screenshot of the map as you see it. The only available option for this tool is to rotate the map and the image format. There can be a map distortion using this tool. This tool is destined for a numeric usage only.

The 'Save Map As' dialog box is shown. It has a title bar with a close button. The main area contains three input fields: 'Image Format' with a dropdown menu showing 'JPEG', 'File name' with a text box containing 'MapImage_1', and 'Rotate map (degrees)' with a text box containing '0' and a reset button. At the bottom are 'Save' and 'Close' buttons.





Figure 43 — Save map as

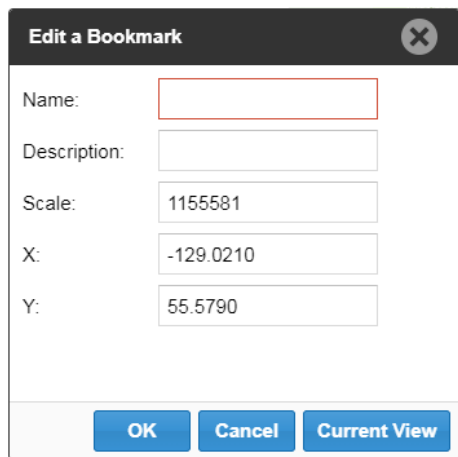
4.12 bookmarks



Bookmarks are shortcuts to zoom to a position on the map. The coordinate used for the bookmark are located at the center of the map.

Upon clicking on the tool, the bookmark panel opens with all the saved bookmark of the user and of all the other users. The administrator can decide that only he can create, edit and delete bookmarks.

- **Add a bookmark:**  Add opens a window with the different settings to create a new bookmark:
 - Settings “Name” et “Description” are used in the bookmark list;
 - “Scale”, “X” and “Y” define the position of the central point;
 -  Define the “Scale”, “X” and “Y” to be those of the current view in the map;
 -  Cancel the bookmark creation;
 -  Create the bookmark.



Edit a Bookmark

Name:

Description:

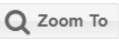

Scale:

X:

Y:

OK **Cancel** **Current View**

Figure 44 — Bookmark creation

- **To use a bookmark:** Select a bookmark and click on  ;
- **To delete a bookmark:** Select the bookmark to delete and click on  .

4.13 Help



The help button opens the PDF documentation in a new browser tab.

5 QuickTools panel

The quicktools panel, at the top right of the map, offers shortcut for navigations tools and the active tool.

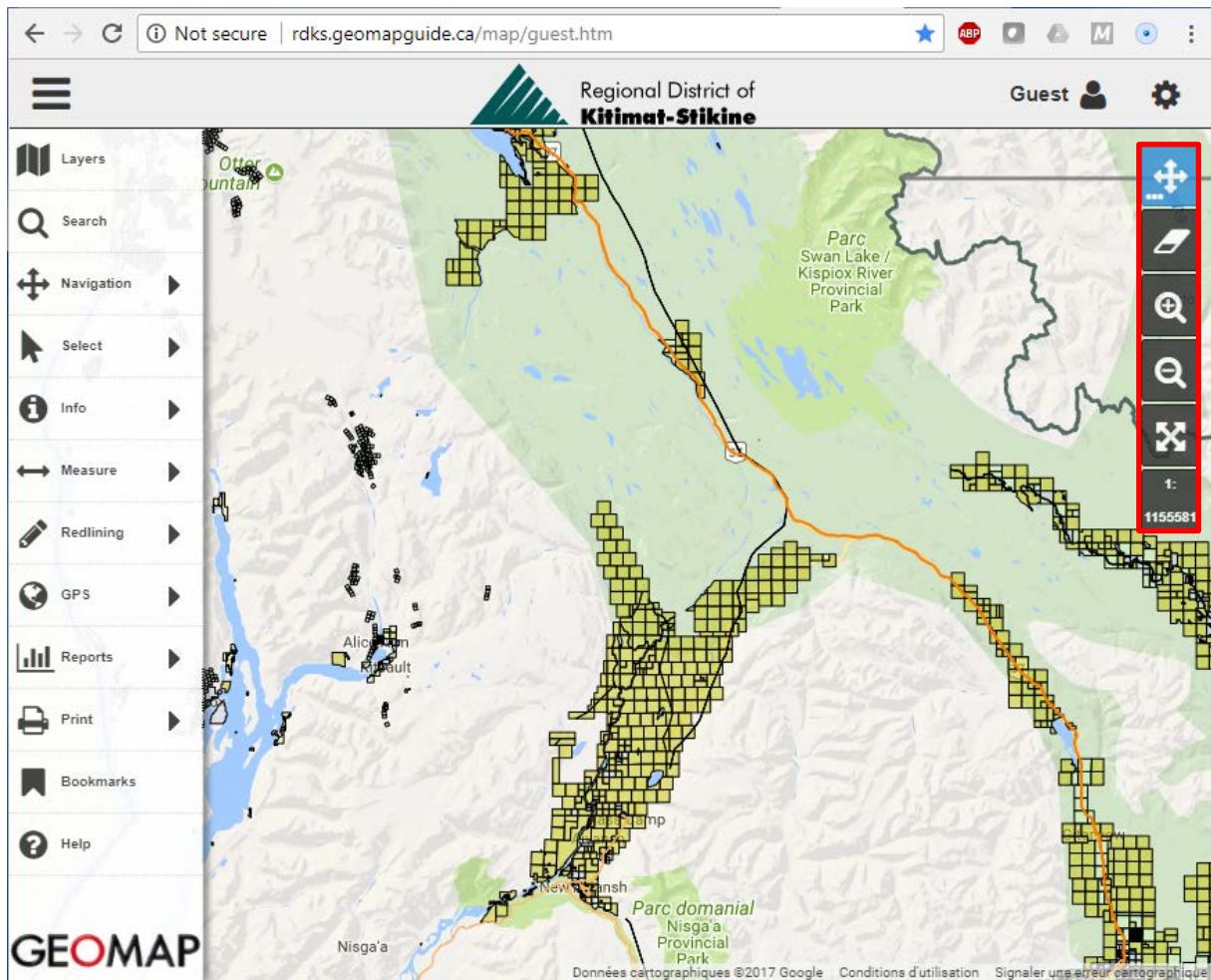


Figure 45 — Quicktools panel

5.1 Active tool



The first button indicates the tool that is currently in use (Active tool). If you click on the active tool, three more tools shortcut appear next to it:

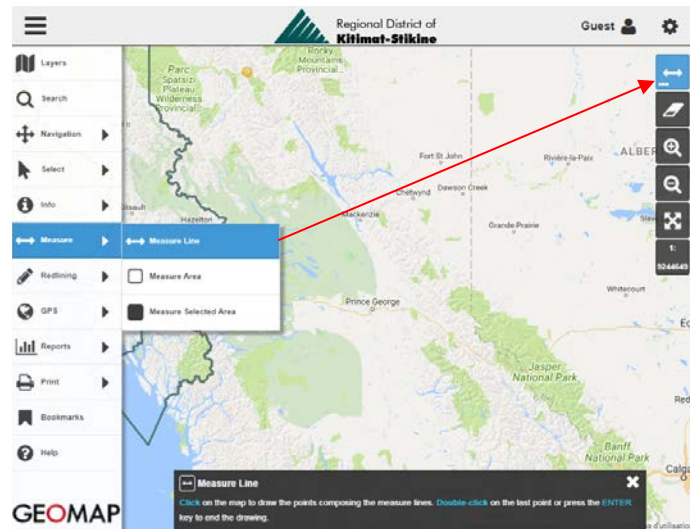


Figure 46 — Quicktools – Active tool

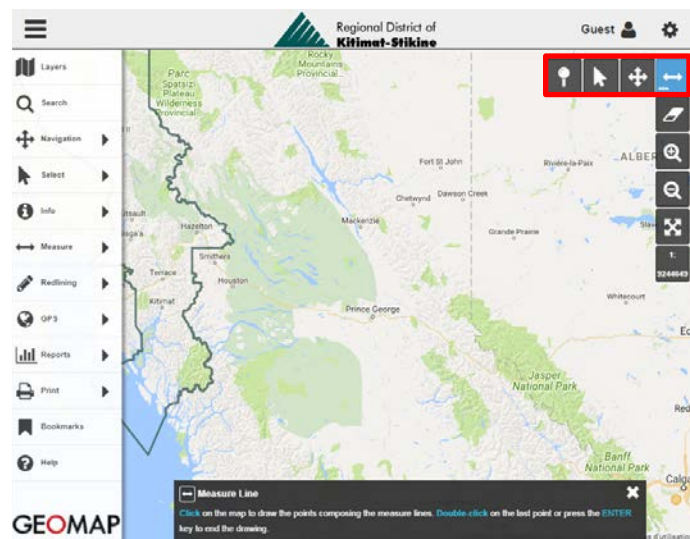


Figure 47— Quicktools, navigation shortcut, selection and info

5.1.1 Navigation



See 4.4.

5.1.2 Selection



See 4.5.1.

5.1.3 Info



See 4.6.1

5.2 Clear selection



See 4.5.1.

5.3 Zoom forward and zoom backward



Those buttons allow to zoom in and zoom out by a predetermined factor. The same can be done by using the scroll wheel of the mouse or by stretching / pinching two fingers on a touch screen

Those 2 buttons are invisible when using GoMap on touchscreen mobile devices.



5.4 Initial map extent



Zoom to the initial map extent.

5.5 Scale



Display the current scale of the map. Once activated, it displays a window allowing the user to specify a specific scale. Use  to validate the value and  to cancel the change.

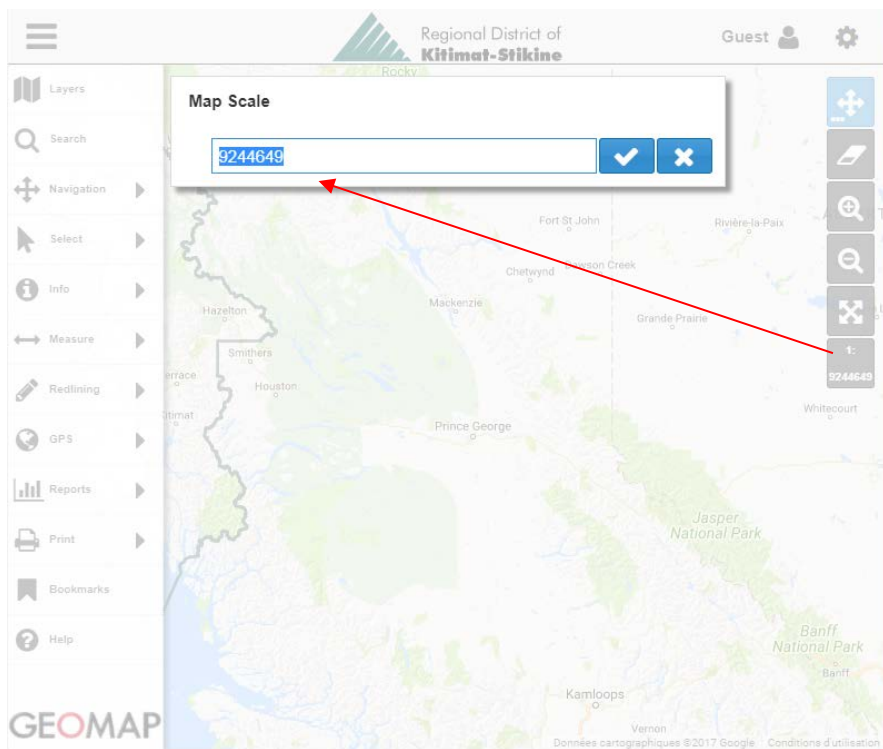


Figure 48 — Modify the map scale

6 Sessions

Sessions allow the user to save active layers, filtered layer, the current map scale and redlining.

Sessions are managed in the menu by clicking on  at the top right of the page next to the settings panel.

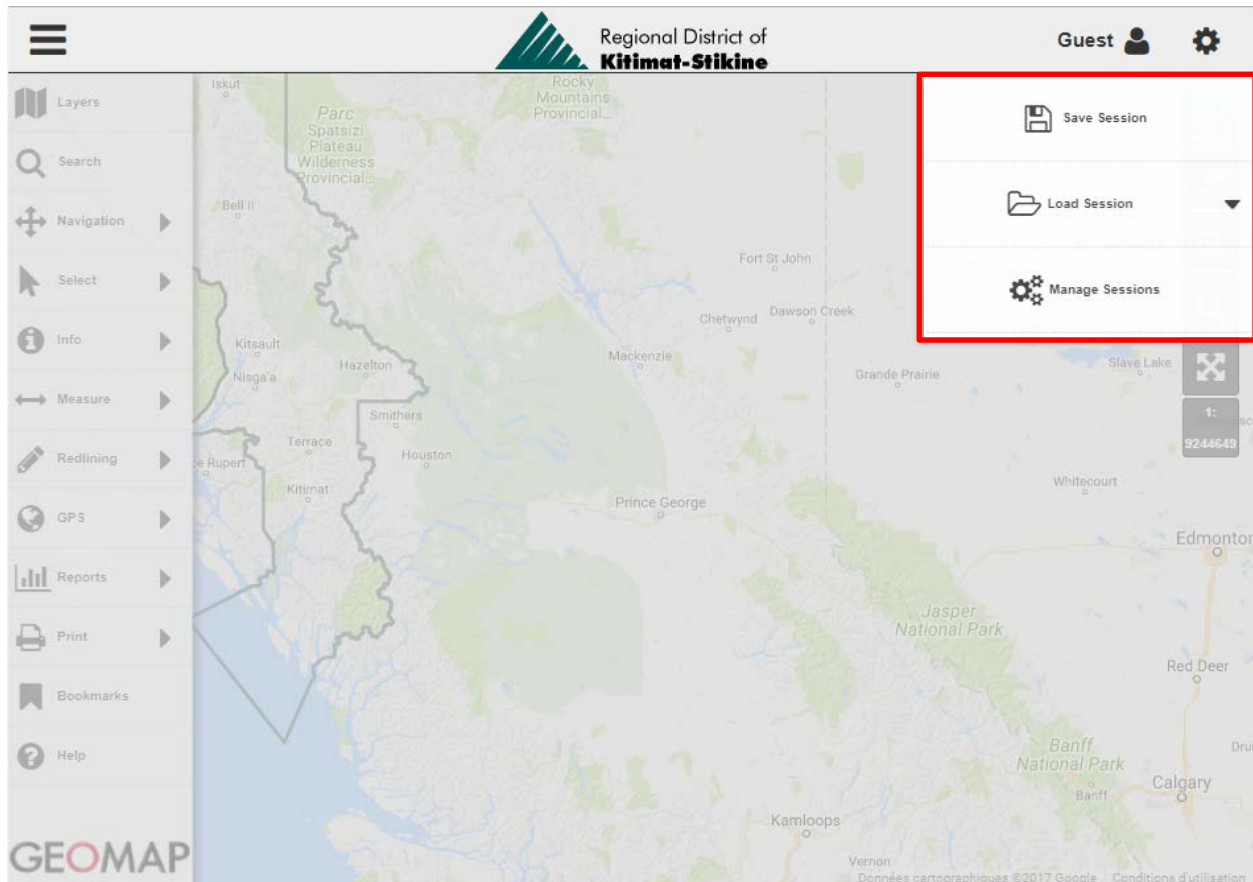


Figure 49 — Sessions menu

6.1 Save and update



Save the current session. Enter a name for the session and then click on “OK” to save or “Cancel” to cancel. If the session name already exists, the application offers to overwrite the session of the same name.

6.2 Load session



All available sessions for the user are listed in this list. When selected, the application then loads the selected session. If all users connect to the application with the same user, then all sessions are shared with everyone.

6.3 Session manager



Open the session manager window, allowing the user to delete or share a session with another user.

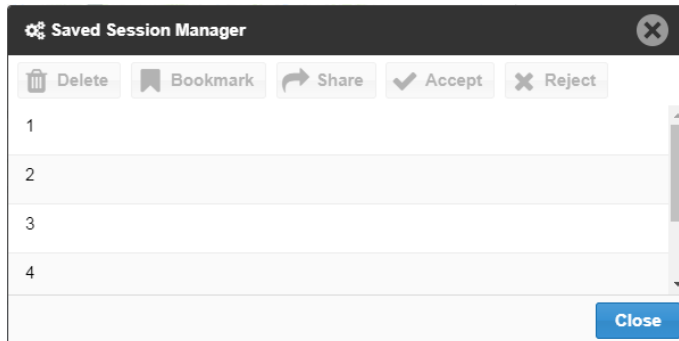







Figure 50 — Session manager

The top buttons applies to the selected sessions in the list:

-  **Effacer** Delete the session;
-  **Raccourci** Open a new browser tab in the selected session, the URL can then be saved as a bookmark so that the user always loads his session when he clicks on the bookmark;
-  **Partager** Allow the user to share his session with other users. In the search window, enter the name of the user or the user ID and then click on **Search**. Then select a user in the list and click on **Select** to share the session with the selected user;
- When a user receives a session from another user, it will appear in the session manager at the end of the list and it will indicate who shared the session. The user can then click on  **Accept** to save the session or click on  **Reject** to reject the session.

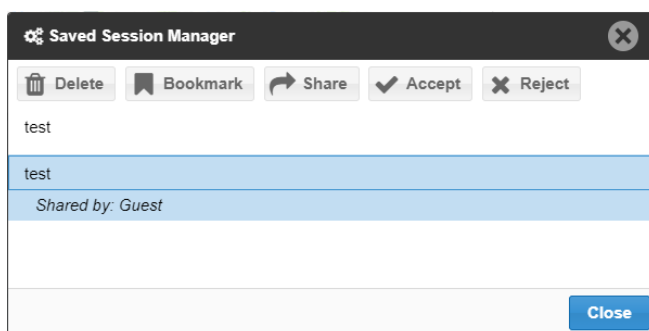


Figure 51 — Session sharing