JMap Web 6.5

User Manual

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Welcome to JMap Web 6.5

JMap Web is an online mapping software that belongs to the family of JMap applications (JMap Pro, JMap Web, and JMap Mobile).

JMap Web connects to JMap Server to provide users with an interactive tool for map navigation, querying, and editing spatial and descriptive data.

This manual is the user guide for JMap Web 6.5.

Connecting to the Application

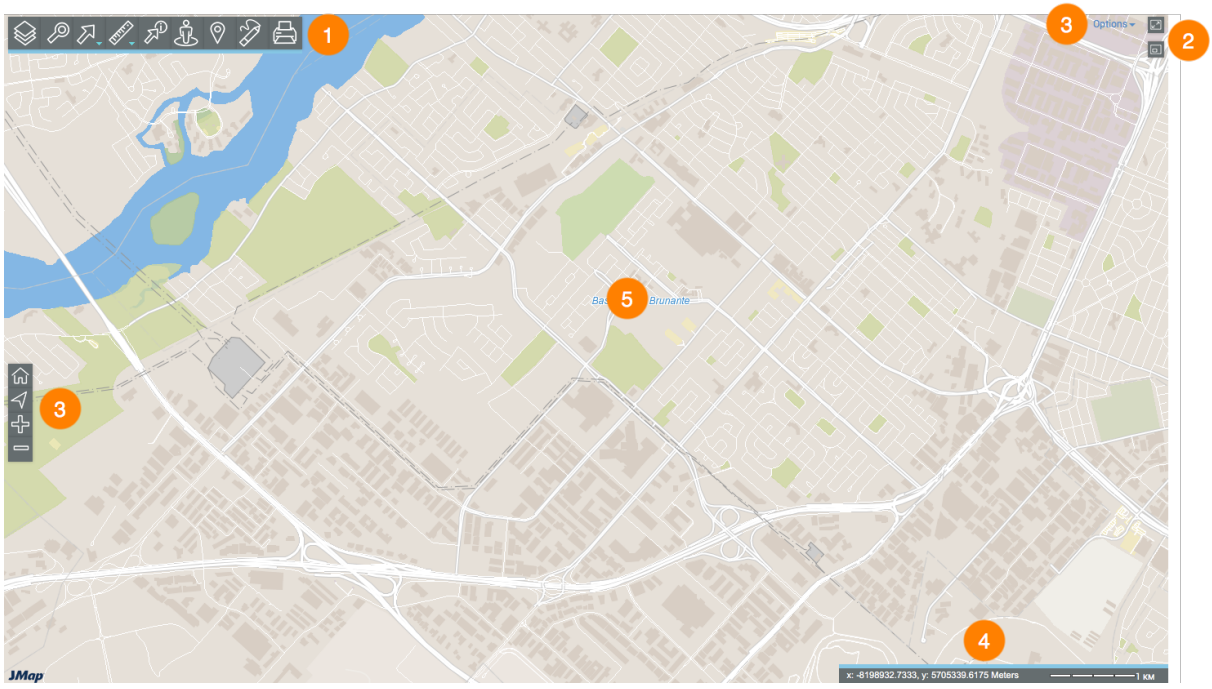
JMap Web is accessed via a URL entered in a Web browser (Google Chrome, Firefox, Internet Explorer, etc.).

If access to the application is controlled, you must obtain a user name and password from your organization to log on to it. In this case, the URL would open a login page where you would enter your user name and password.

The Graphical Interface

The graphical interface allows you to access all available data and functionality. The interface may be deployed in French, in English or in Spanish, depending on the language parameters selected in the Web browser.

The image below displays the main components of the interface; the details on these elements are provided in the following sections.



1 Toolbar to access specific functionality:

- Application data layers
- Searches
- Map element selection tools
- Distance measurement tools
- Information reports
- Google Street View
- Google Directions

Map annotation tools

Print map

2 Map navigation tools:

Full screen

Overview map

Initial view

Geolocate

Zoom In

Zoom Out

3 Options

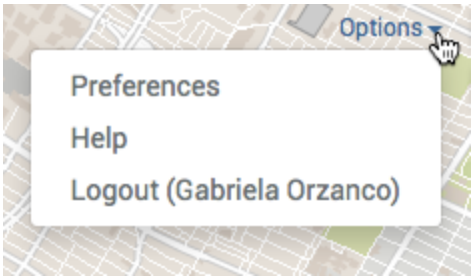
4 Geographic information about map displayed

5 Map interface.

Options

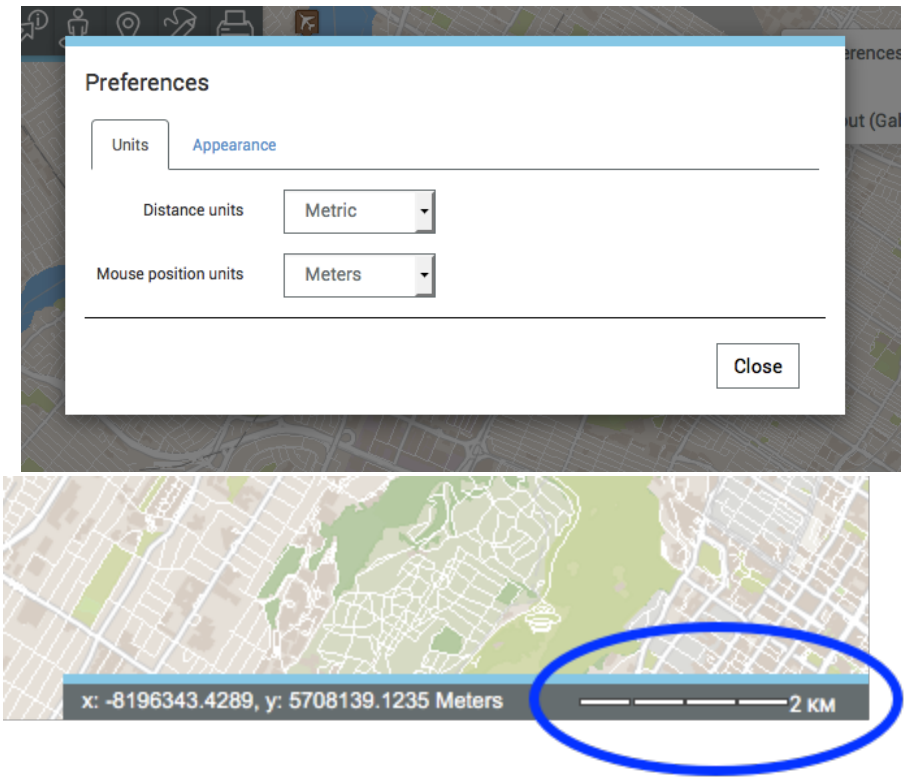
This section allows you to configure preferences for the application's map interface, to access the help and to log out.

1. Click on the blue arrow next to the user to display the drop-down menu.

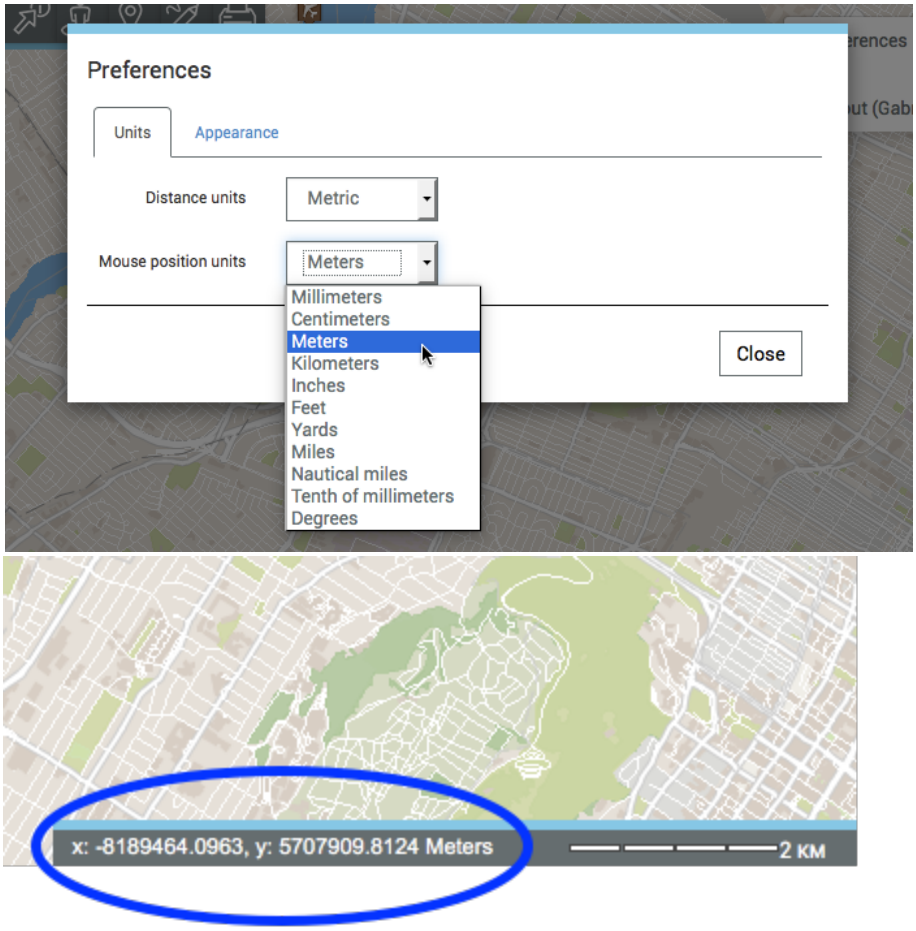


2. Click on ***Preferences*** to open a window allowing you to define the application's measurement units and appearance. The window has two tabs: **Units** and **Appearance**.

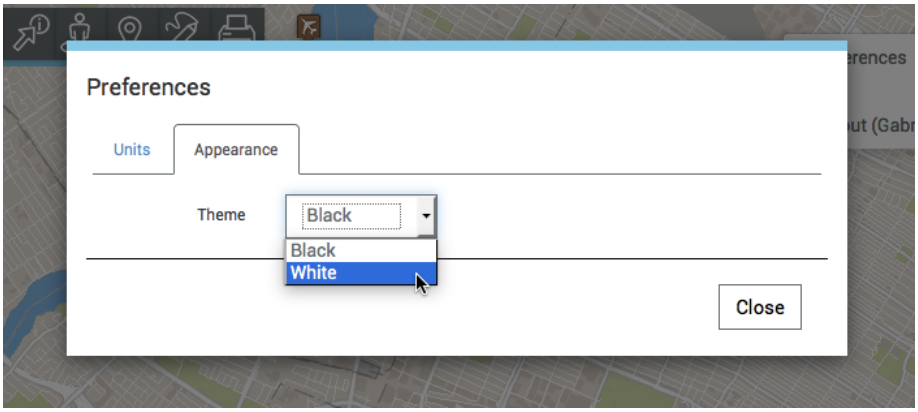
3. Click on ***Distance units*** to select the units for the distance and area measurements that will be performed and displayed on the map as well as the graphic scale. Two options are available: **Imperial** and **Metric**.

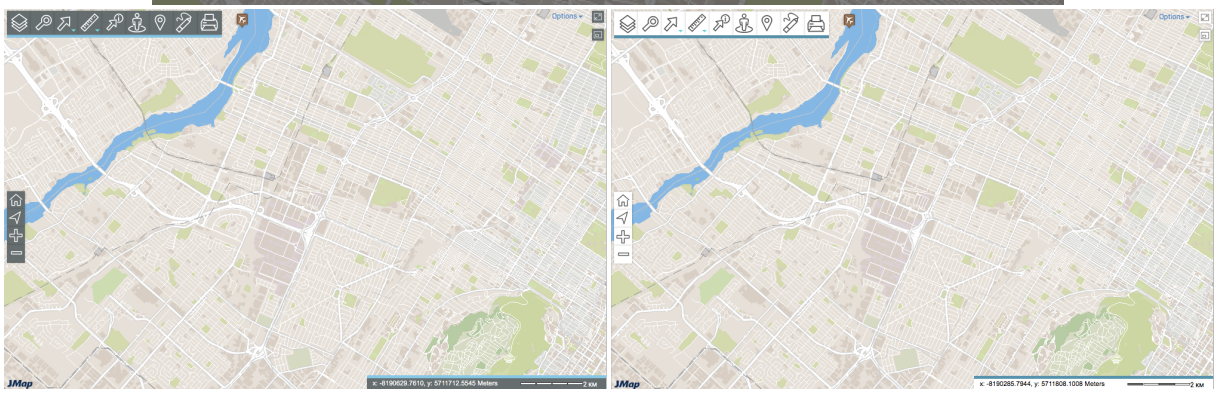


4. Click on ***Mouse position units*** to define the mouse pointer's position units displayed in the map interface's geographic information.



5. Click on ***Theme*** in the ***Appearance*** tab to change the colour of the application's theme. Two options are available: **Black** and **White**.





6. Click on ***Help*** to open the user guide.
7. Click on ***Logout*** to log out of the application. You will be redirected to the application login interface.
8. Click on ***Options*** to close the drop-down menu.

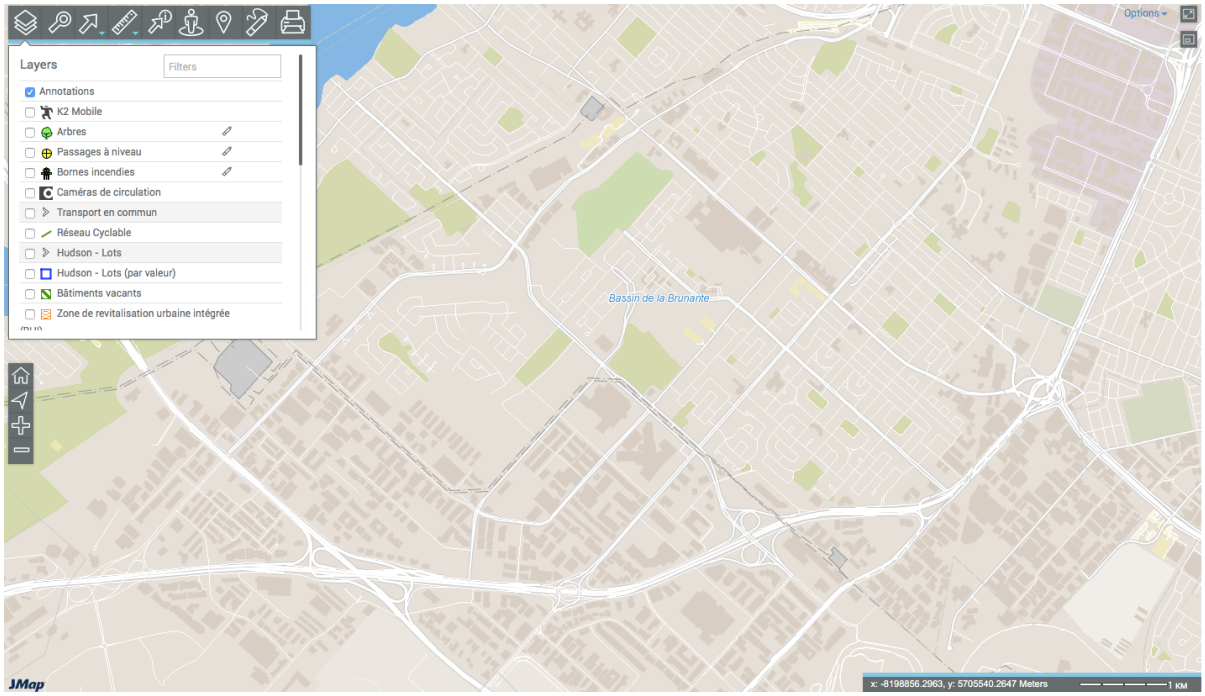
The Data

The data contained in the application is organized into themes and can be accessed through the map interface. The data of a single theme forms a layer to which descriptive data is associated. Layers are superimposed on one another to form the map displayed in the graphical interface.

There are two types of layers in JMap Web:

1. Base maps, which form the map background;
2. Layers, which contain useful information; their display can be enabled or disabled, as needed.

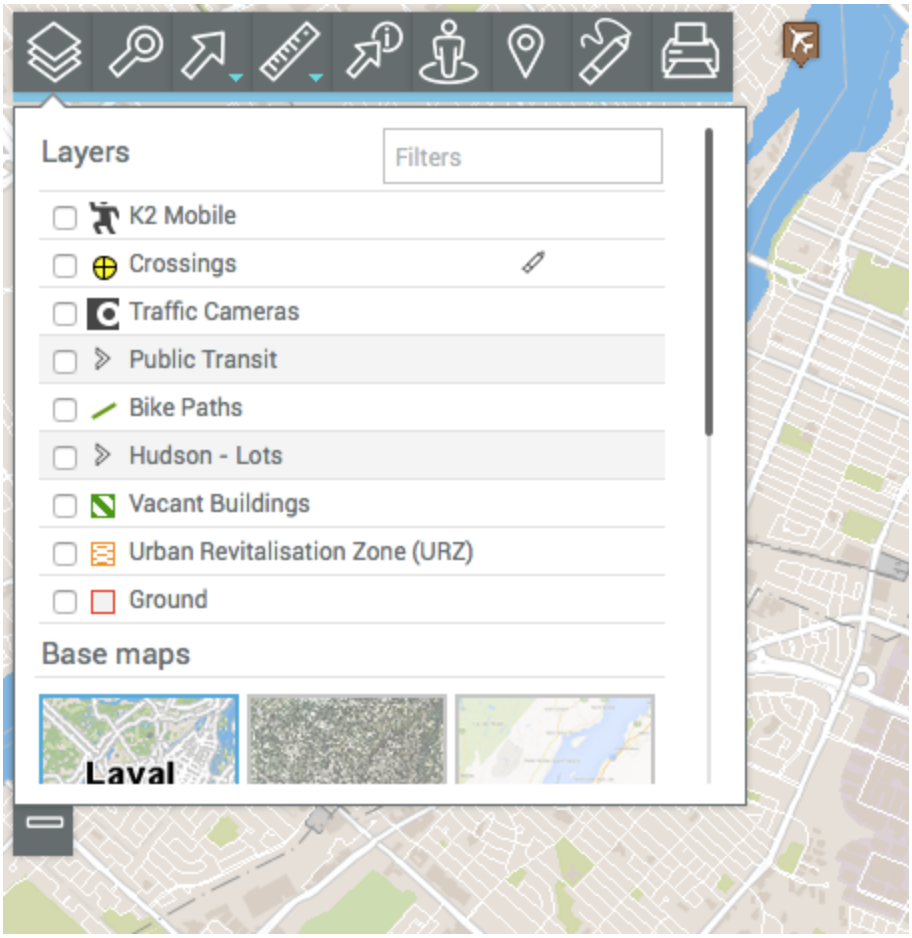
To display the layers, click on ***Layers*** . The drop-down menu appears. It contains the list of layers, organized into two groups: **Layers** and **Base maps**.

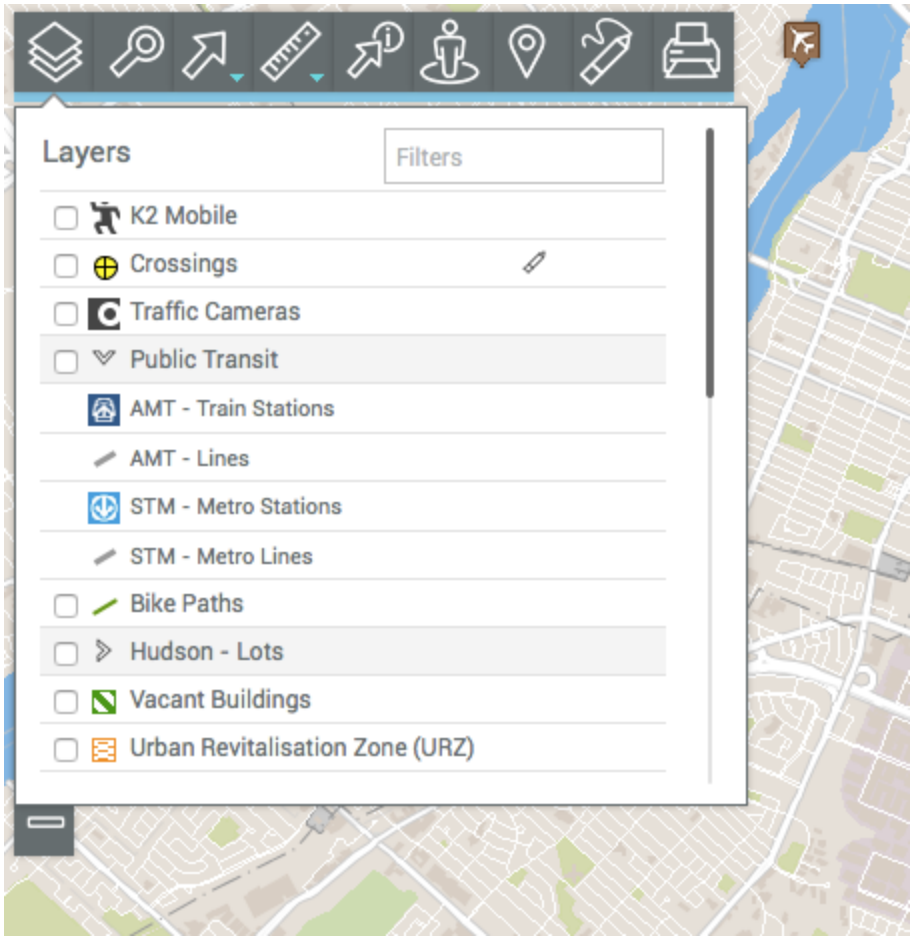


Layers

Layers contain spatial information pertaining to various subjects.

A layer can be made up of several different sets of data. To identify these composite layers, the rows where they are located are shown in grey. The data sets that make up each layer are displayed when you click on the arrow next to the name of the layer.

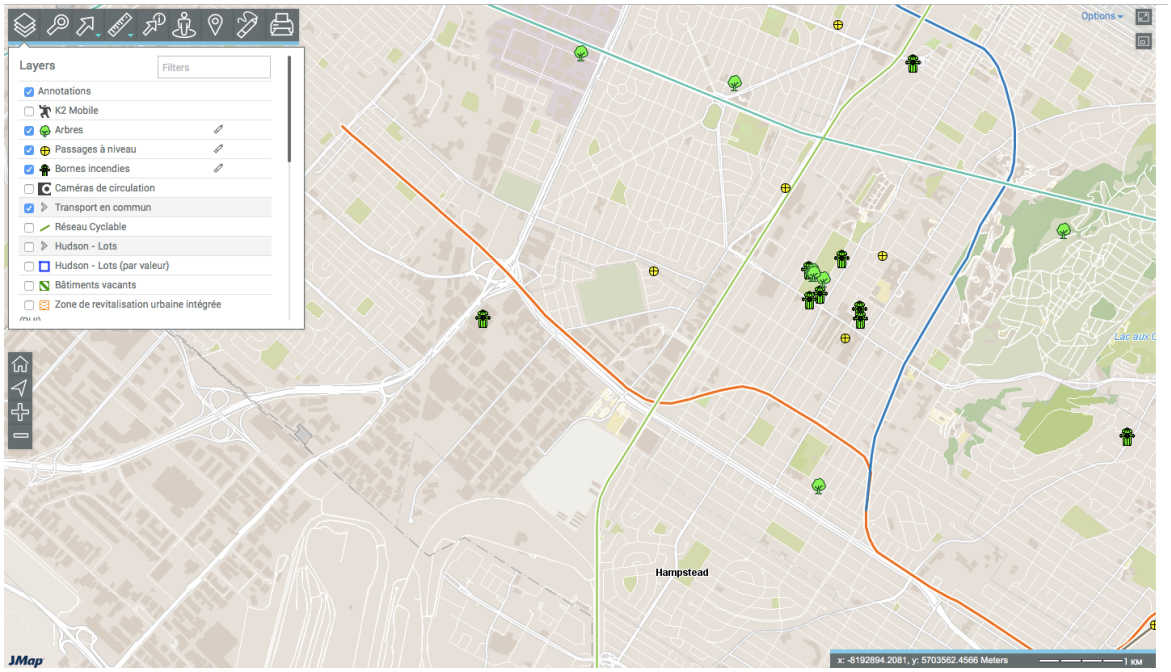




The *Annotations* layer displays when the user adds annotations to the map. The Drawing Annotations on the Map section provides details on this topic.

To view a layer:

1. Select the check box on the left of the layer name to display it in the map interface. You can display several layers at the same time. The only restriction is the readability of the map.



2. Unselect the check box to stop displaying the layer.

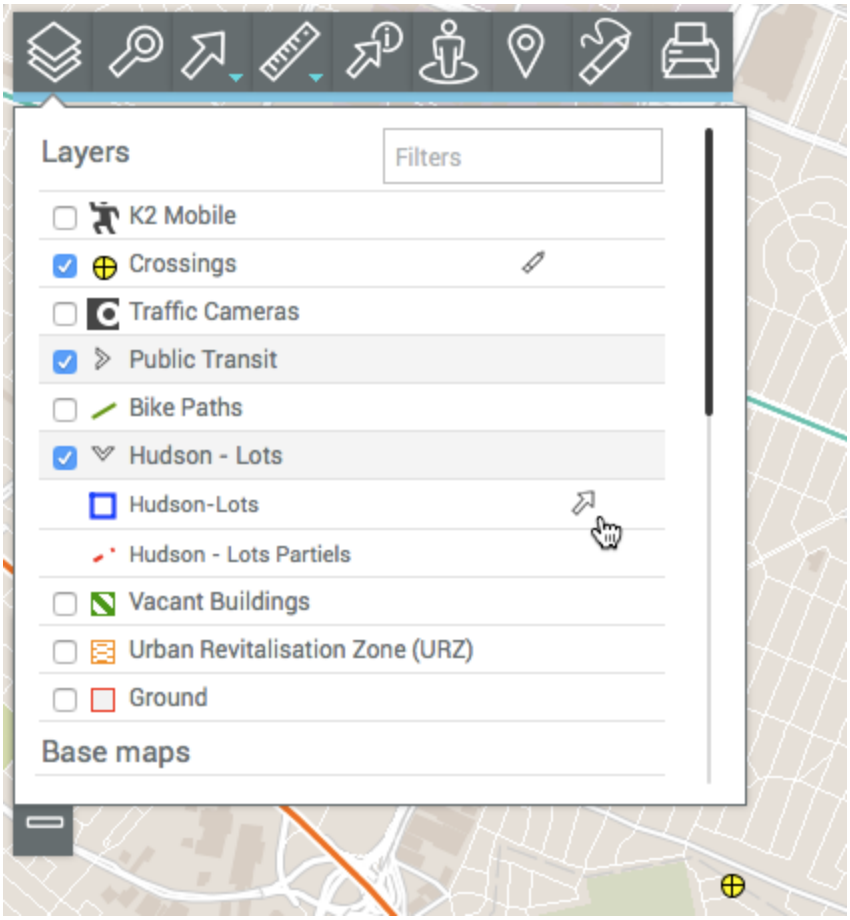
The pencil icon indicates that the layer can be edited. To enable layer editing:

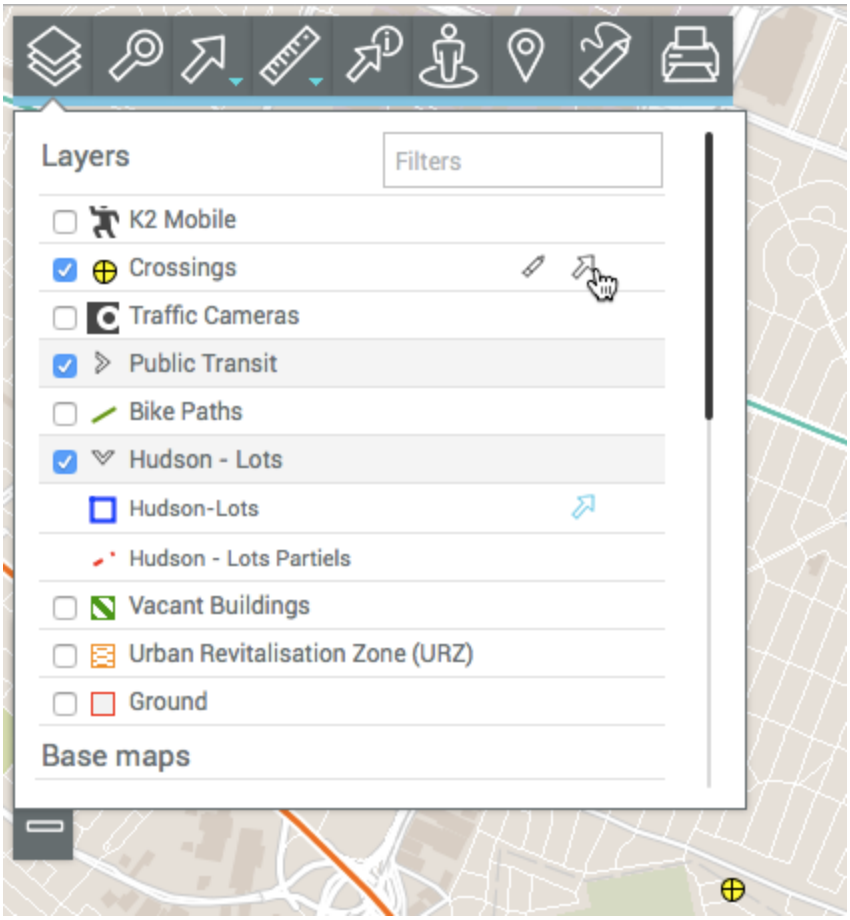
3. Click on the pencil . The pencil will turn blue to indicate that the editing functionality is enabled. The Editing Data section provides details on this topic.

4. Click on the pencil to disable layer editing. The pencil becomes grey again .

When the pointer is placed on the row of a layer, an arrow displays. This arrow can be used to make the layer selectable.

5. Click on the arrow . The arrow turns blue , indicating that the layer's elements can be selected using the interactive selection tools. The Selecting Elements in the Map Interface section provides details on this topic.





Only one layer can be selectable at a time.

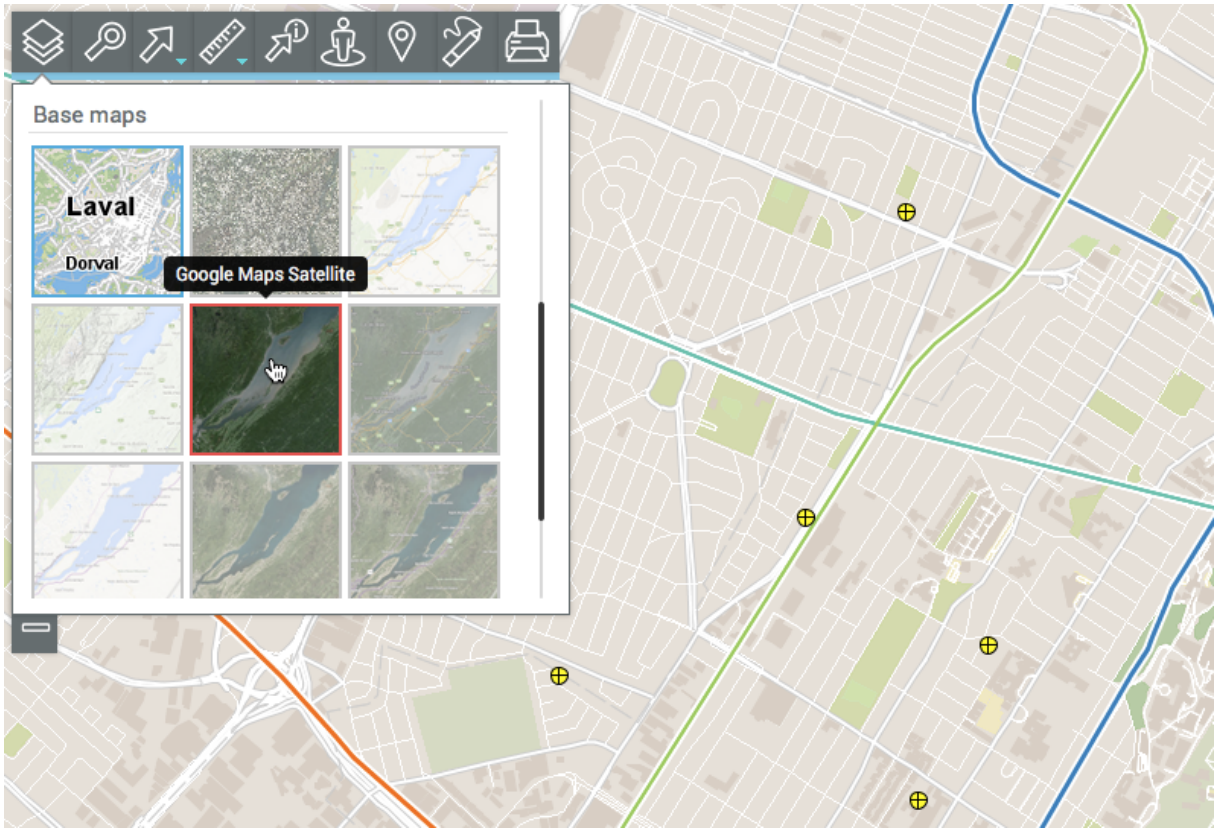
For a composite layer, you can make each set of data selectable independently.

6. Click on the arrow if you do not want the map data to be selectable. The icon will become grey again .

Base maps

Base maps form the background of the map interface and provide a context to situate the information contained in the layers. You can display one base map at a time.

Base maps can be configured specifically for the application or they can originate from Web map servers. When you position the mouse pointer on the icon of a base map, its name is displayed.



1. Click on the map of your choice to display it.

   Depending on your application configuration, you can display maps taken directly from Web map servers such as Google Maps, Bing, and OpenStreetMap.

Functionality

A set of tools allows you to interact with the data of the JMap Web application.

You can navigate on the map, access the descriptive data of elements belonging to thematic layers, take distance and area measurements, draw annotations, edit the data of editable layers, use Google Street View and Google Directions and print the map displayed.

There are several ways to access descriptive data:

- When you are interested in a single element, you can display a mouseover bubble or generate an information report on that element.
- When you are interested in a set of elements, you can select all of these elements directly in the map interface using the spatial selection tools, or you can select the elements based on their attributes, using a search. In both cases, the elements explorer automatically appears and displays the attributes of the selected elements, and you can generate an information report for the selection.

Mouseover bubbles, the elements explorer and the information reports for a layer can contain the same information or different information, based on your JMap configuration. These three methods to access information are configured by the JMap administrator based on the application's needs.

Navigating on the Map

This section presents the tools that allow you to navigate on the map as well as the available geographic information pertaining to the map displayed.

Navigation tools

The following buttons allow you to navigate on the map:

Full screen

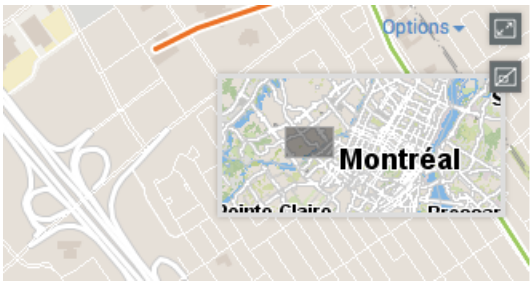
Adjusts the map interface to the full size of the screen.

1. Click on the icon to enlarge the interface to full screen or to return to the initial interface in the Web navigator.

Overview map

Opens a window displaying an overview of the map. A grey rectangle shows the view displayed on the screen.

1. Click and move the grey rectangle to navigate on the map.



Initial view

Allows you to return to the initial view displayed when opening the application.

1. Click on the button to return to the initial view.

Geolocate

1. Click on this icon to center the map around the point where you are located (geographic coordinates of your computer or mobile device). The button turns blue .
2. Click on the button again to disable the function. The button turns grey .

The geolocation function must be enabled in your Web browser.

Zoom In

1. Click on this icon to enlarge the center of the map (the zoom factor is determined by default in the Web browser you use).

   You can zoom in using your mouse's scroll wheel.

   You can also press the ***Shift*** key of your keyboard while simultaneously clicking the left mouse button, then drag the mouse pointer to the desired area. A red rectangle displays to help you select the zone to enlarge with precision.

Zoom Out

1. Click to reduce the center of the map (the zoom factor is determined by default in the Web browser you use).

   You can zoom out using your mouse's scroll wheel.

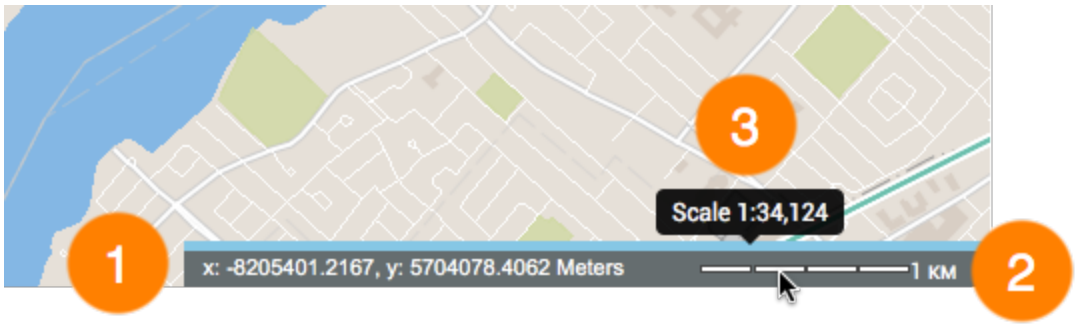
To drag the map:

1. Click the left mouse button.

2. Drag the map while holding the left mouse button.
3. Release the left mouse button when you are on the desired position.

Geographic information

At all times, the geographic information regarding the current map is displayed in the lower right corner of the map interface.



1 Geographic coordinates of the mouse pointer, expressed in the unit selected in the Preferences.

2 The graphic scale according to which the map is displayed. The distance is expressed in the unit selected in the Preferences.

3 Numeric scale. Displays when you place the mouse cursor on the graphic scale.

Accessing Information on a Map Element

You can access various types of descriptive information on an element you select directly in the map interface.

Mouseover bubbles and information reports can contain identical or different descriptive data because they serve different purposes. Mouseover display quickly, are temporary, and their content is not maintained, whilst the content of information reports can be exported in various ways.

Mouseover

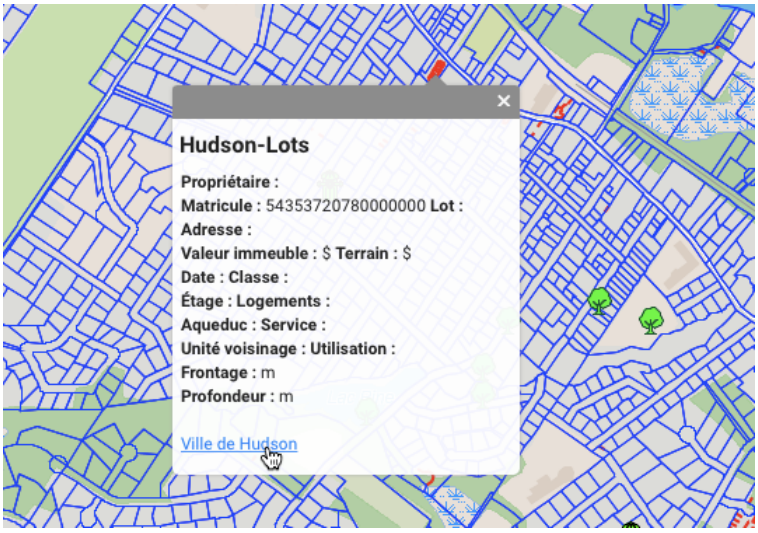
Mouseover bubbles provide a simple way to view information on a specific map element that you click on in the map interface.

This information may include hyperlinks to open and download documents, videos, websites, photos, etc.

To display a mouseover bubble:

1. Click on the element your are interested in to enable its mouseover. The mouseover bubble displays.
2. Click on the button to close the mouseover bubble.

When you click on another element, the mouseover bubble of the first element automatically disappears.

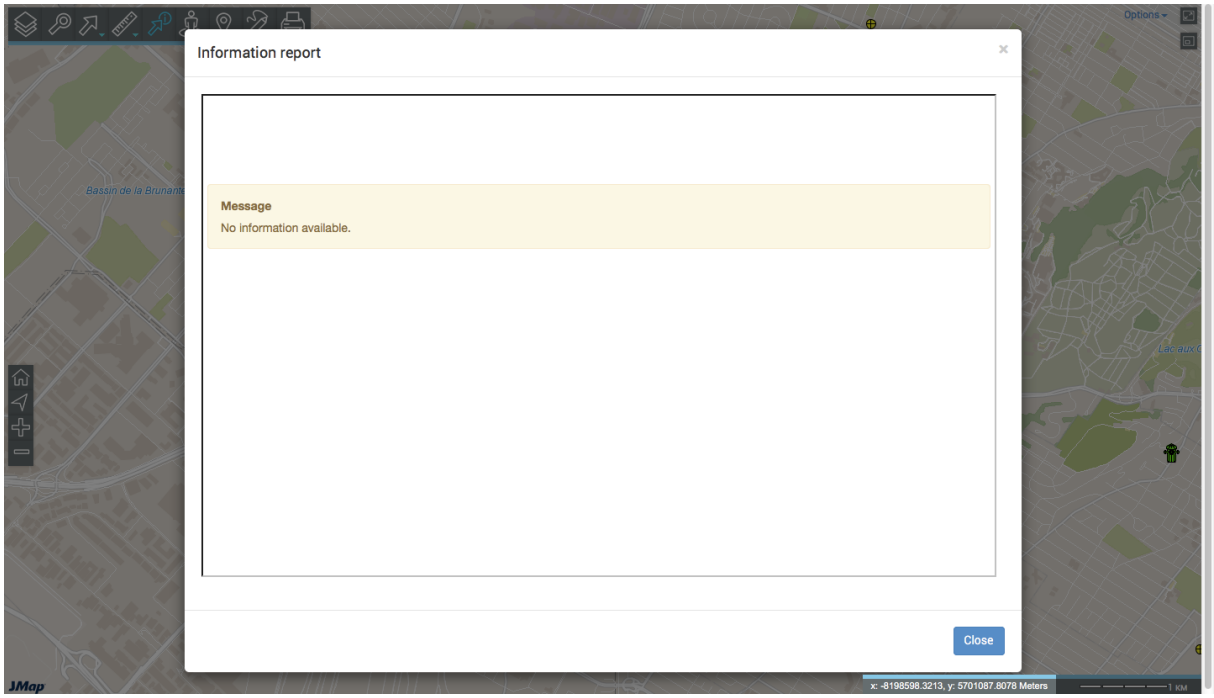


You can access the hyperlinks by clicking on them. The documents will be downloaded to your computer and the Web pages will open in the default navigator.

Information report

This tool allows you to view reports that provide information on the selected element. One or more reports can be available for a single element. Some reports may not provide any information on the element.

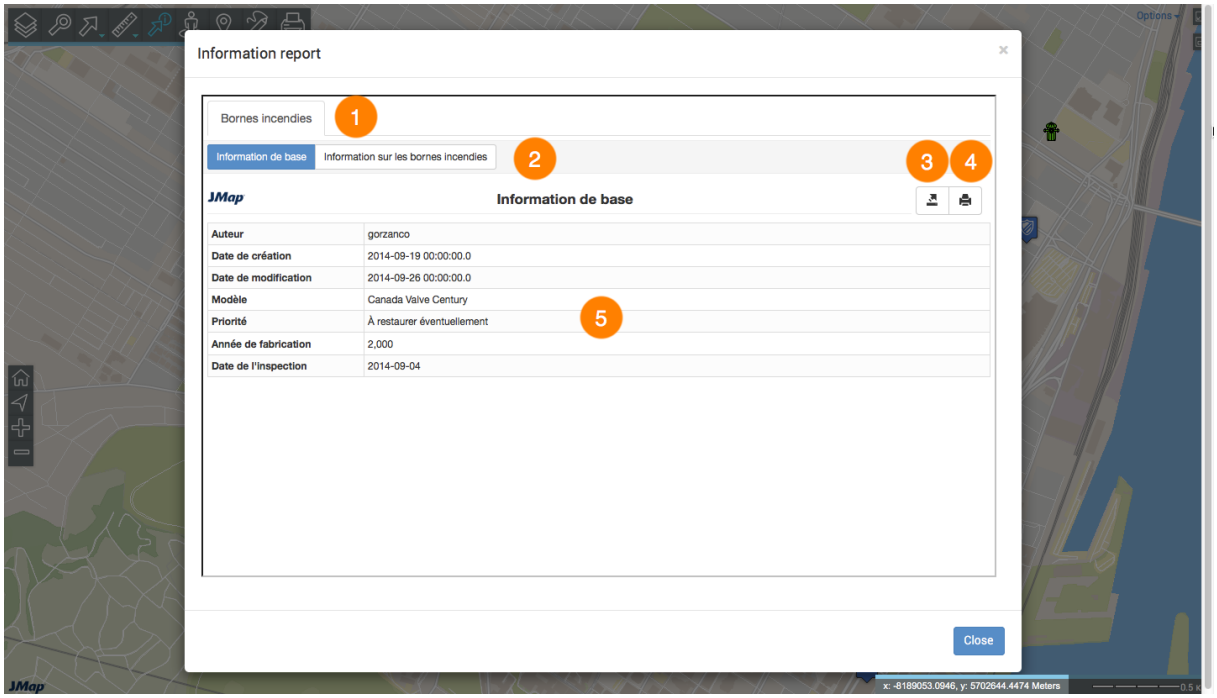
1. Click on the button to enable the tool. The button turns blue .
2. Click on a map element to generate its associated information reports. If no information report is associated with an element, the message "No information available" displays.



3. Click on the ***Close*** button in the report window to return to the map interface.
4. Click on the  button to disable the tool. The button turns grey  .

There are various types of information reports. The simplest reports contain functionality to export the report in Excel format and to print the report. Advanced reports also contain functionality to export certain attributes to a CSV file.

The interface of a basic report is as follows:



1 The name of the map layer which contains the elements selected in the search.

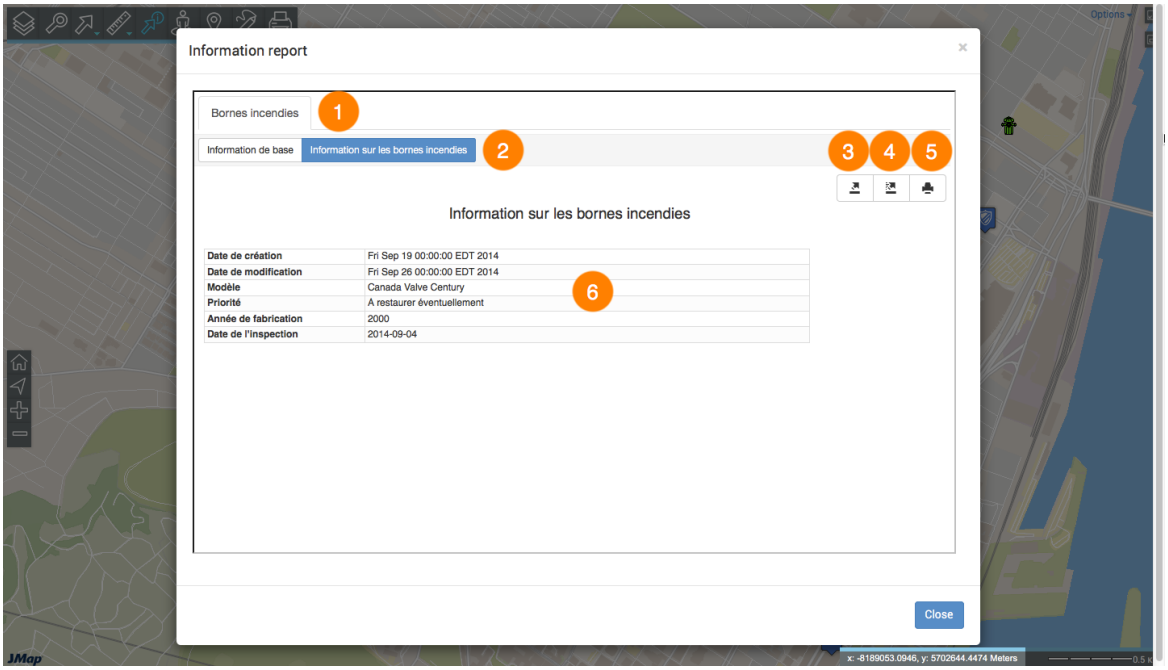
2 The name of the report.

3 This tool allows you to export the report to an Excel file.

4 This tool allows you to print the report.

5 The element's descriptive data.

The interface of an advanced information report is as follows:



1 The name of the map layer which contains the pointed element.

2 The name of the report.

3 This tool allows you to export one or more of the element's attributes to a CSV file. The details are presented below.

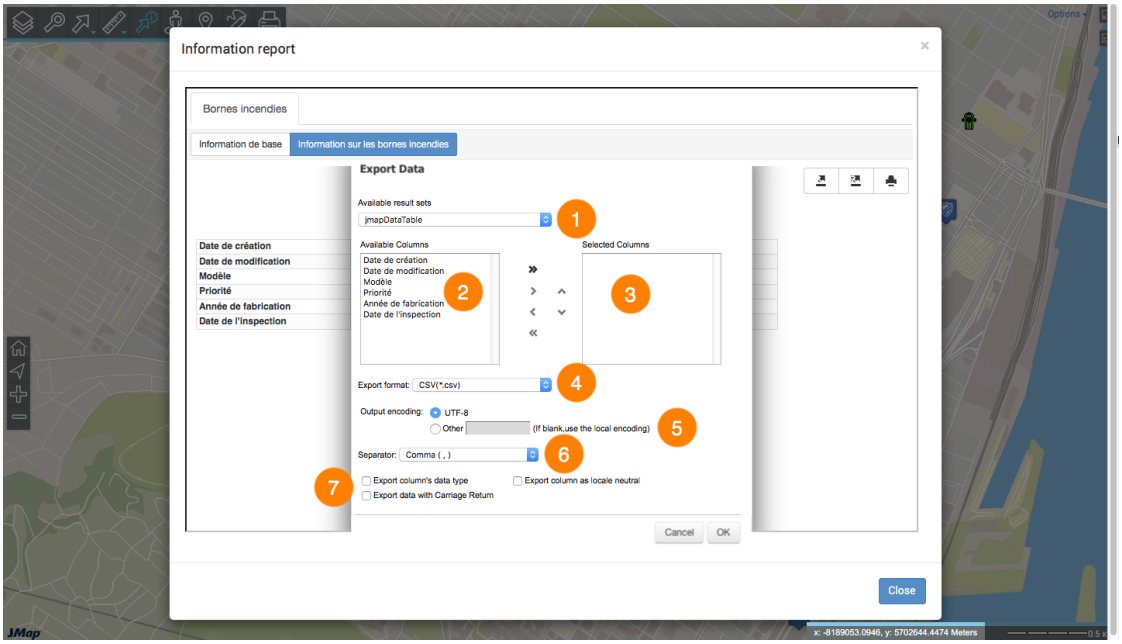
4 This tool allows you to export all of the report's data to a file. The details are presented below.

5 This tool allows you to print the report. The details are presented below.

6 The element's descriptive data.

Exporting report data, in whole or in part, to a file

The data contained in the report can be exported to a CSV file to be used with other software, such as spreadsheets.



1 Name of the database containing the data.

2 Attributes containing the descriptive data that is available to be exported.

Using the › and » arrows, you can select the attributes you wish to export.

3 Attributes exported to the file.

Using the ‹ and « arrows, you can remove attributes from the selection.

Using the ⌃ ⌄ arrows, you can modify the order of the attributes in the file.

4 CSV is the file format.

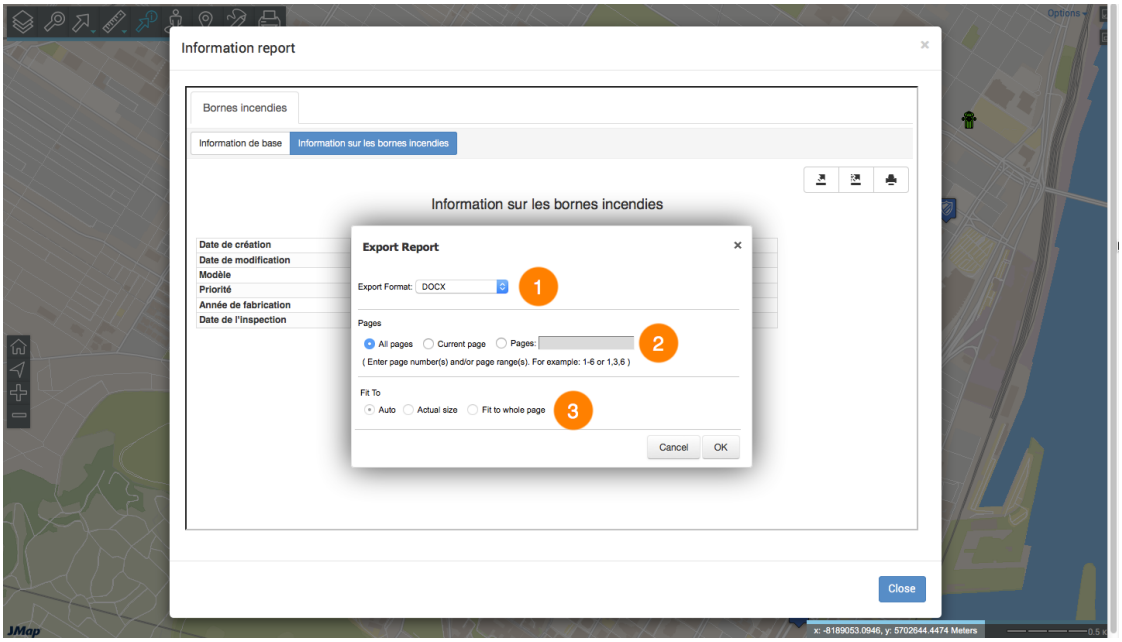
5 You can select an encoding type for the data.

6 You must specify a separator for the data columns.

7 You can specify a column format. This information is important in order to read the data with databases or other software (when the CSV file is opened with Excel, for instance).

Exporting the report to a file

The report can be exported to a file.



1 The report will be exported to this file format.

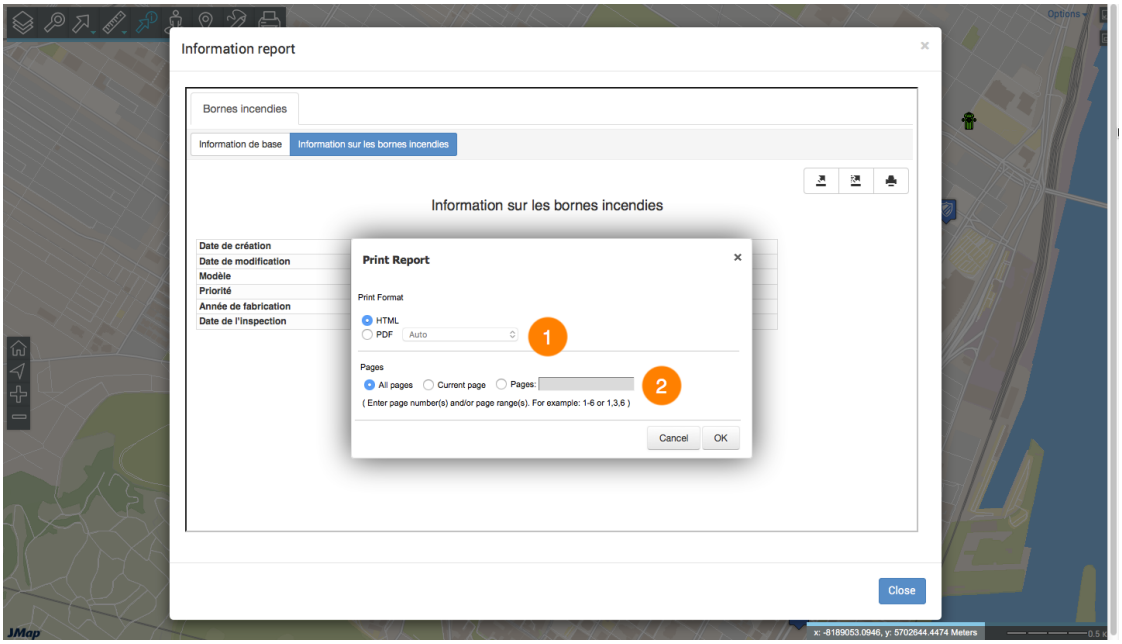
The following formats are available: DOCX, Excel (XLS), OpenDocument Presentation (ODP), OpenDocument Spreadsheet (ODS), OpenDocument Text (ODT), PDF, PostScript (PS), PowerPoint (PPT), PPTX, Spudsoft Excel, Word (DOC), XLSX.

2 You can select the report pages you wish to export.

3 You can indicate how the report will fit in the file.

Printing the report

The report can be saved for printing and sharing purposes.



1 The format in which the report is saved.

The following formats are available: HTML and PDF. PDF offers three options:

Auto: Adjusts the document automatically.

Actual size: Maintains the current size of the report.

Fit to whole page: Adjusts the size of the report to a single page.

2 You can select the report pages you wish to save.

Accessing Information on a Set of Map Elements

When you are interested in a set of elements, you can select them directly in the map interface using the spatial selection tools, or based on their attributes using a search.

In both cases, a table automatically displays showing the element attributes selected, and you can generate an information report for the selection.

You can have the same (or different) information in the mouseover bubbles, attribute tables and information reports. Each of the three methods for accessing the data offers different functionality to work with it.

Performing Searches

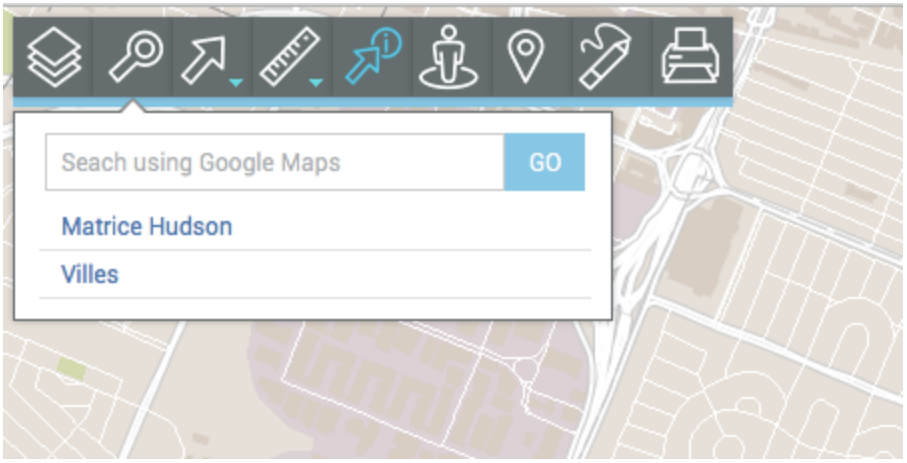
JMap Web allows you to perform two types of searches:

- Searches for addresses and locations using Google Maps.
- Searches for the elements of a layer based on those elements' attribute values. The elements selected are displayed on the map, and you can access their descriptive information.

Performing a search with Google Maps

To perform a search:

1. Click on ***Search*** . The list of available searches appears.



2. Enter your search terms in the *Search using Google Maps* field.

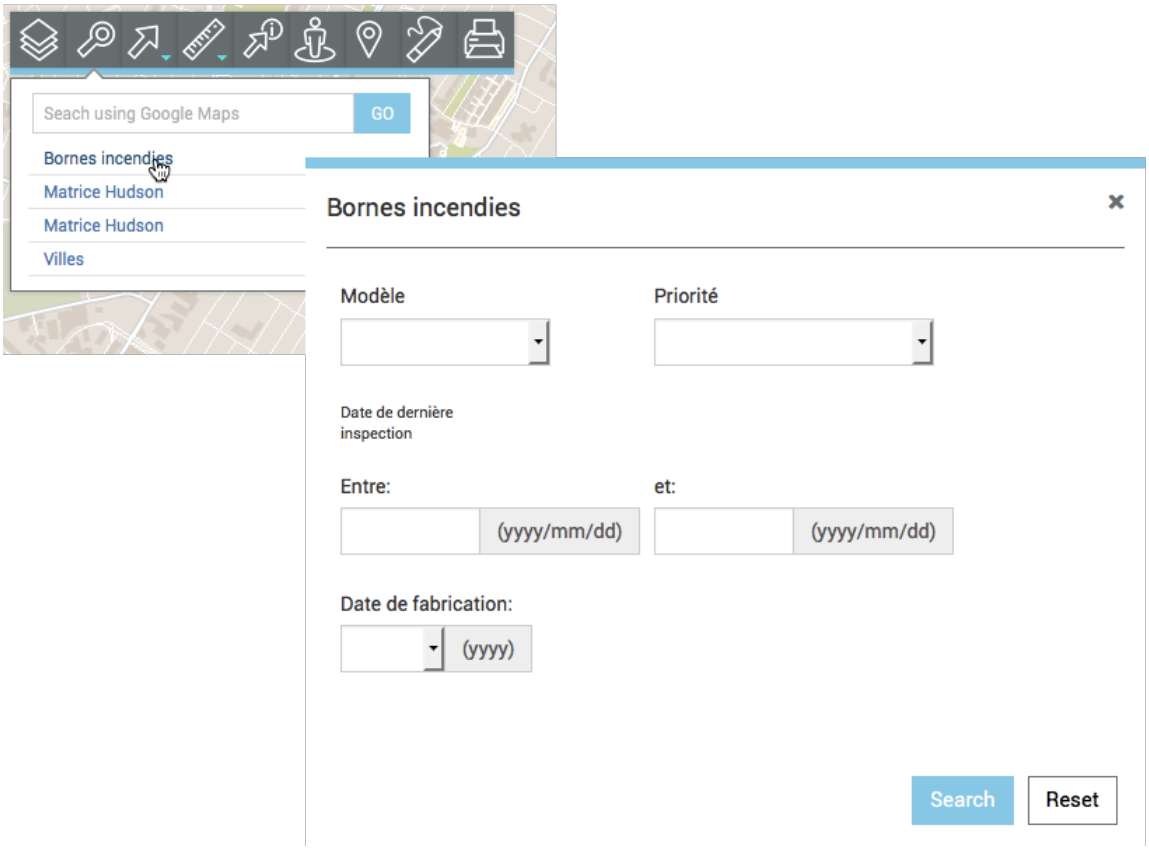
   You do not have to display a Google base map.

3. Click on ***Go***. The chosen location is centered in the map interface.

Searching the application layers

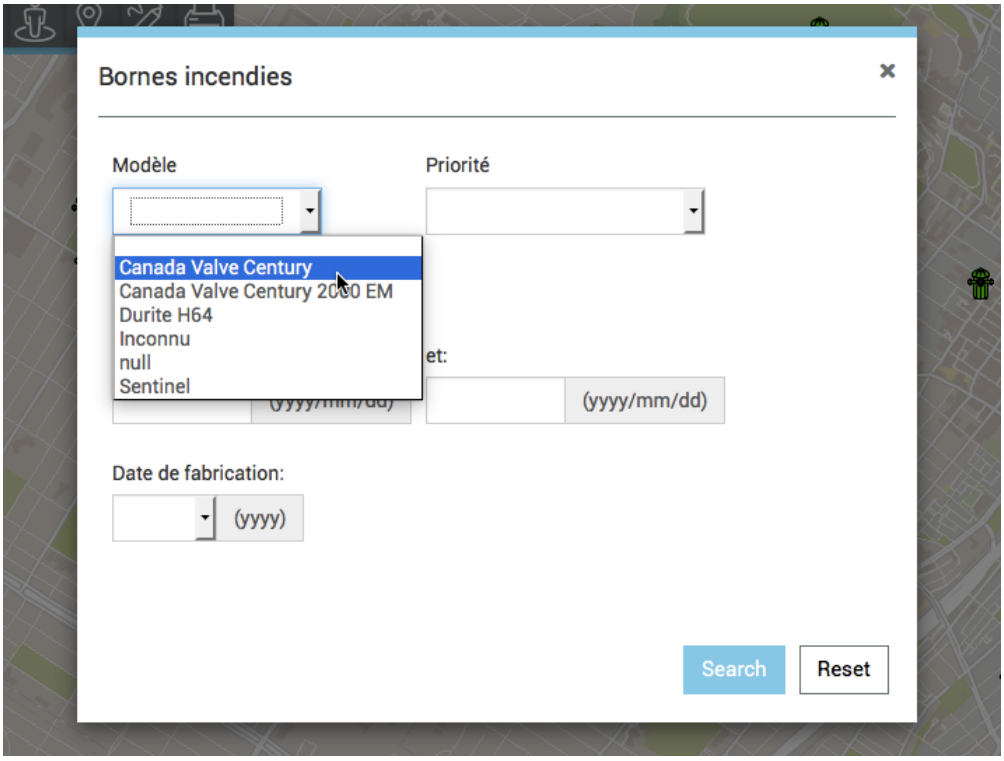
To search for layer elements based on the values of their attributes:

1. Click on ***Search*** . The list of available searches displays.
2. Click on the title of the search you are interested in. The search form displays.

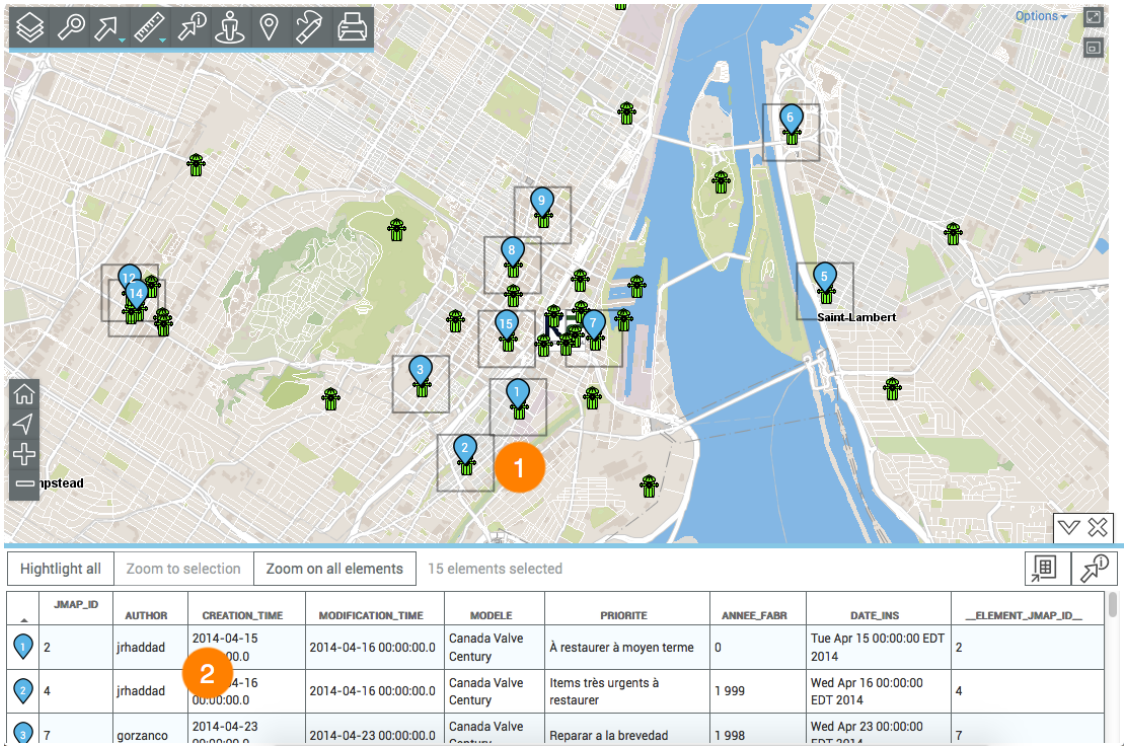


3. Click on the arrows to display the value menu of each attribute. Select the values you are looking for.

   You can only select data for a few attributes. For certain attributes, you can select more than one value.



4. Click on ***Reset*** if you wish to return to the empty search form and delete the values you selected.
5. Click on ***Search*** once you have filled out the search form. The results of the query are displayed. In the map interface, the elements retrieved are identified with markers and placed in a box. The selection explorer displays the data of these elements' attributes.

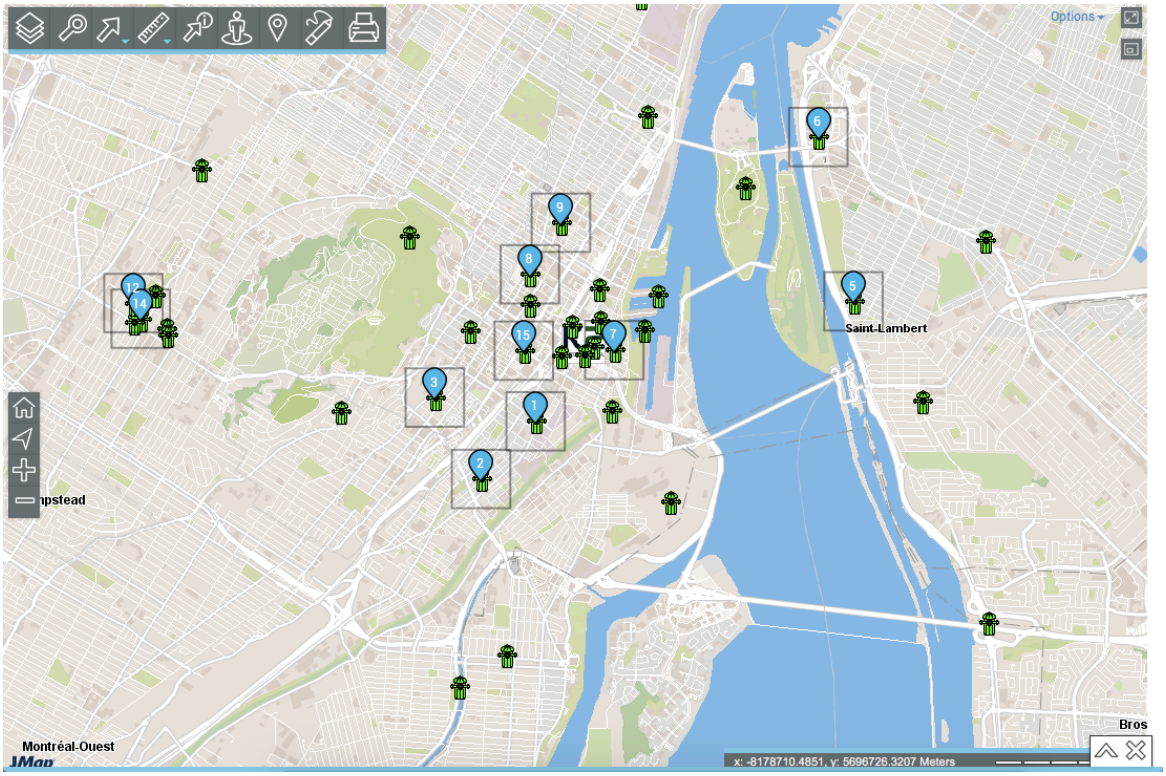


1 The selected elements are identified with the numbered markers and displayed in the center of the map interface.

2 The selection explorer is deployed, displaying the elements retrieved as results in rows and their attributes in columns.

Various functions allow you to work with the information in the table.

6. Click on to hide the selection explorer. Only the map interface displays with the elements retrieved.



7. Click on ^ to redisplay the selection explorer.
8. Click on ✕ to erase the search results. The selection explorer and the markers in the map interface all disappear. The map interface maintains the same view.

Working with search results

Several tools are available to work with search results.

The selection explorer allows you to view and organize the attribute data of the elements retrieved.

1 The first line contains the names of the attributes. You can sort the data in ascending or descending order.

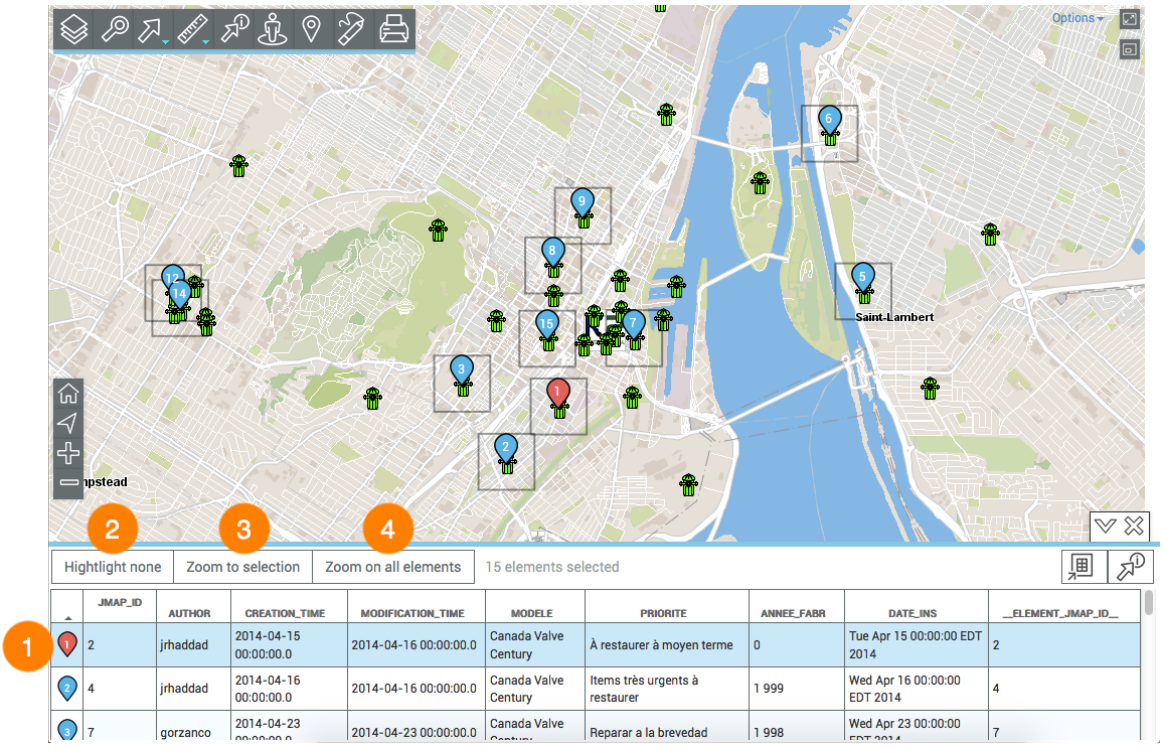
2 The first column contains the number of each element, indicated with a blue marker .

3 The vertical bar allows you to scroll through the table and display the elements retrieved.

Other functions are available to select and filter data based on attribute values or to export the data to a file.

Selecting elements

Elements can be selected manually or using specific buttons.



1 Click on one or more elements in the explorer to select them. The blue marker turns red in the explorer and on the map. In the explorer, the row of each selected element turns blue.

Double-click on an element to place it in the center of the map.

2 The ***Highlight all*** button automatically changes to ***Highlight none*** when elements are already selected. This button allows you to select or unselect the whole set of elements retrieved by the search.

3 The ***Zoom to selection*** button places the selected element(s) in the center of the map interface.

4 The ***Zoom on all elements*** button displays all elements retrieved by the search.

Exporting data

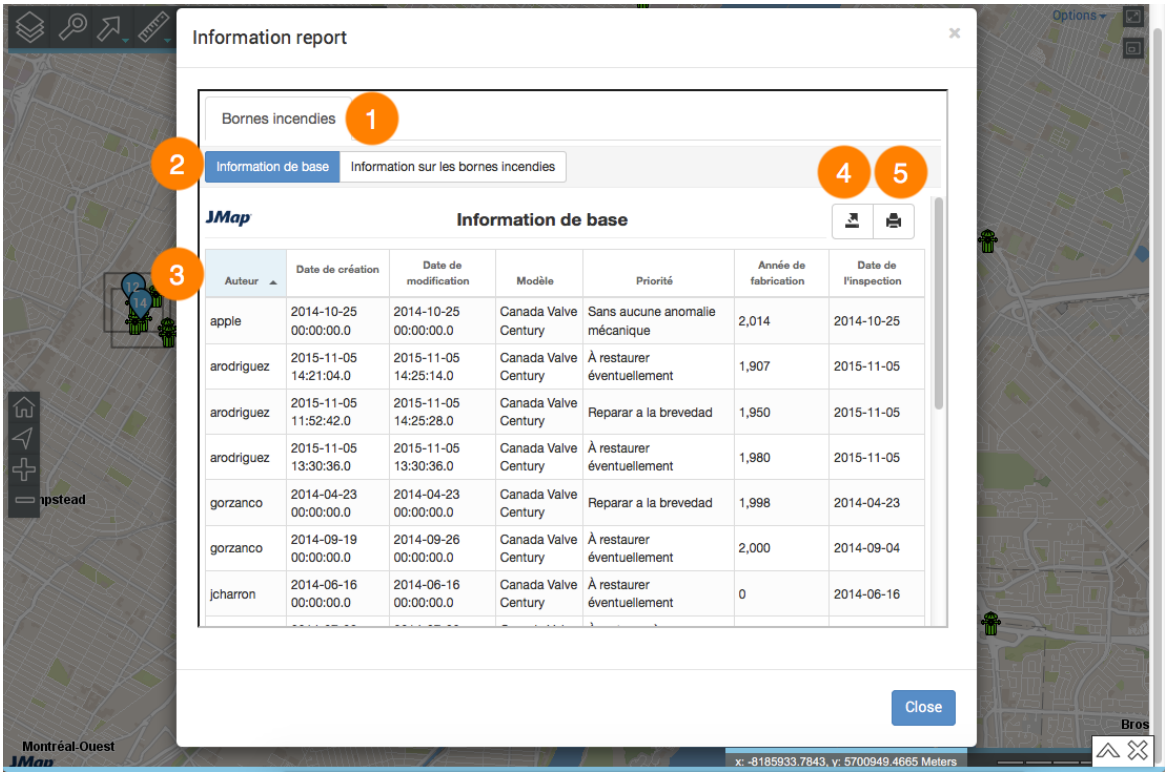
You can export the search results to an Excel file.

1. Click on the  button to export the table to an Excel file. The file will be downloaded to the folder you specify.

Generating an information report

If the JMap administrator configured reports for the data layer, you can generate an information report for the elements returned by the search. The reports may have basic or advanced functionality. If no report has been configured for the layer, when you try to generate one, a message indicates that there is no report.

1. Click on the  button to generate the report for the selection. The interface of the basic report is as follows.



1 Name of the map layer to which the elements selected in the search belong.

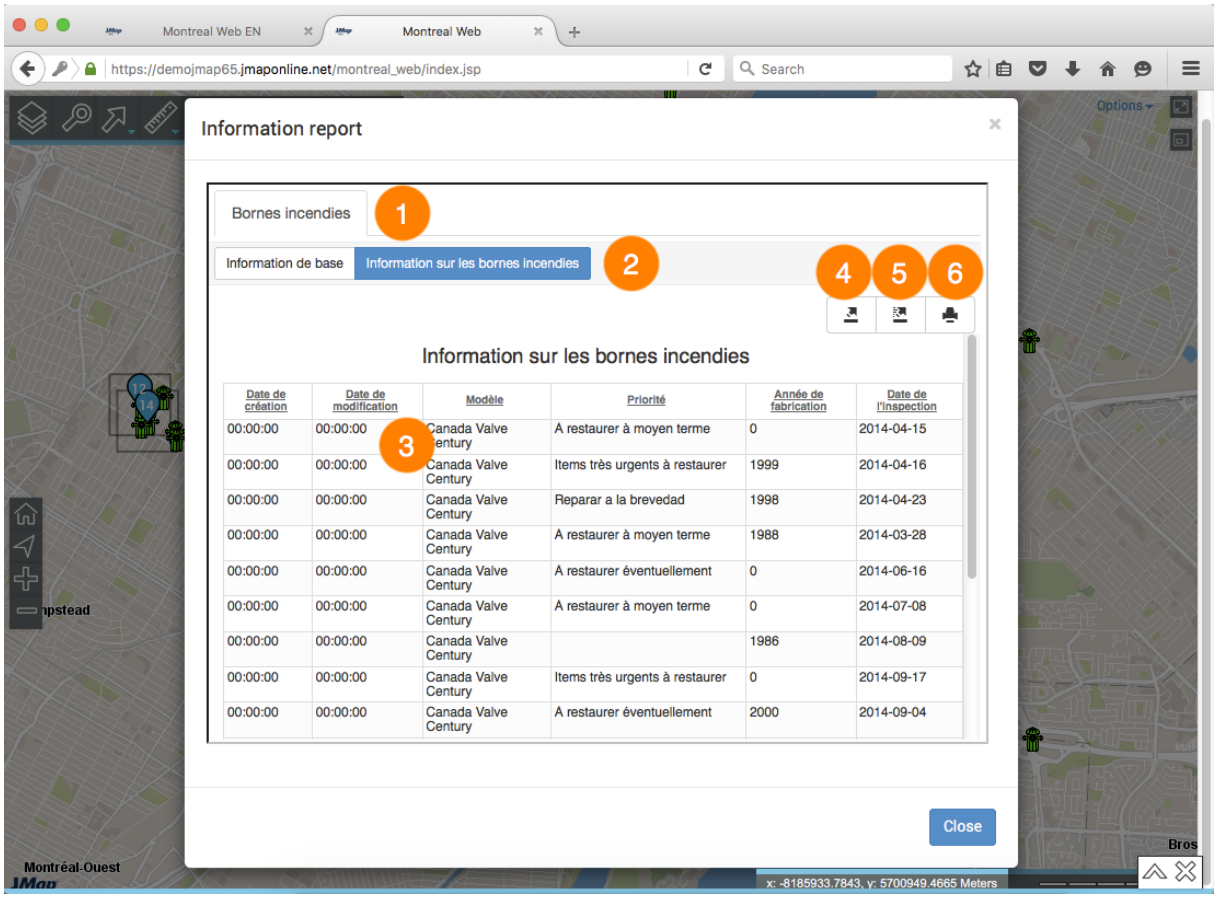
2 Name of the report.

3 This table is similar to the selection explorer. Elements are displayed in rows, and the columns represent the element attributes. The column headers allow you to sort the elements in ascending or descending order.

4 This tool allows you to export the report to an Excel file.

5 This tool allows you to print the report.

2. Click on the name of the other report (if it exists) to display it. If it is an advanced report, other tools will be available:



1 Name of the map layer to which the elements selected by the search belong.

2 Name of the report.

3 This table is similar to the selection explorer. Elements are displayed in rows, and the columns represent the element attributes. The column headers allow you to sort elements in ascending or descending order.

4 This tool allows you to export attributes to a CSV file. Details are presented below.

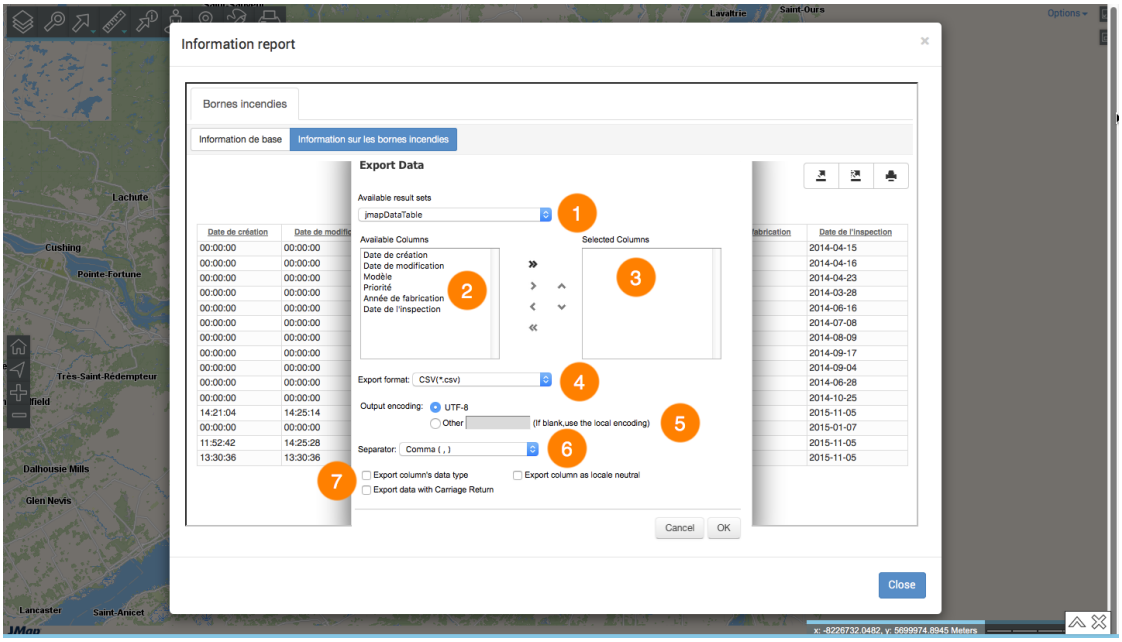
5 This tool allows you to export the report to a file. Details are presented below.

6 This tool allows you to print the report. Details are presented below.

3. Click on ***Close*** to close the report and return to the selection explorer.

Exporting report data, in whole or in part, to a file

Data contained in the advanced report can be exported to a CSV file to be used with other software, such as spreadsheets.



1 Name of the database containing the data.

2 Data available to be exported.

Using the › and » arrows, you can select all the attributes you wish to export.

3 Data exported to the file.

Using the ‹ and « arrows, you can remove attributes from the selection.

Using the ⌃ ⌄ arrows, you can modify the order of the attributes in the file.

4 CSV is the file format.

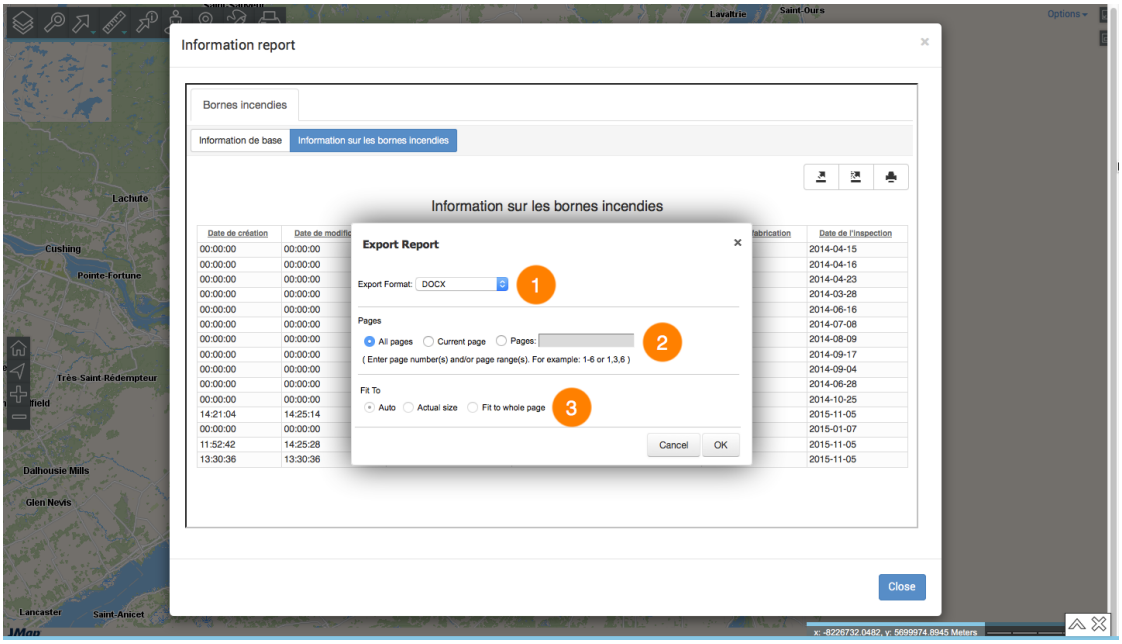
5 You can select a type of encoding for the data.

6 You must specify a separator for the data columns.

7 You can specify a column format. This information is important to read the data with databases or other software (when the CSV file is open in Excel, for instance).

Exporting the report to a file

The report can be exported to a file.



1 Format of the file to which the report will be exported.

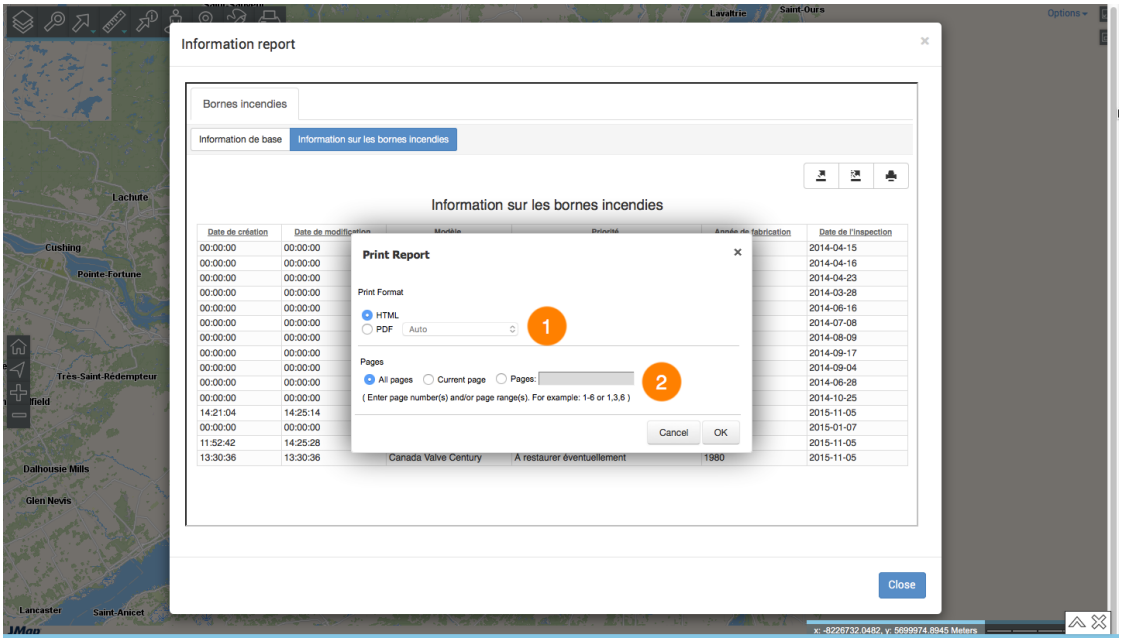
The following formats are available: DOCX, Excel (XLS), OpenDocument Presentation (ODP), OpenDocument Spreadsheet (ODS), OpenDocument Text (ODT), PDF, PostScript (PS), PowerPoint (PPT), PPTX, Spudsoft Excel, Word (DOC), and XLSX.

2 You can select the pages of the report you wish to export.

3 You can configure how the report will fit in the file.

Printing the report

The report can be saved in a certain format for printing and sharing purposes.



1 The format in which the report will be printed.

The following formats are available: HTML and PDF. PDF offers three options:

Auto: Adjusts the document automatically.

Actual size: Maintains the current size of the report.

Fit to whole page: Adjusts the size of the report to a single page.

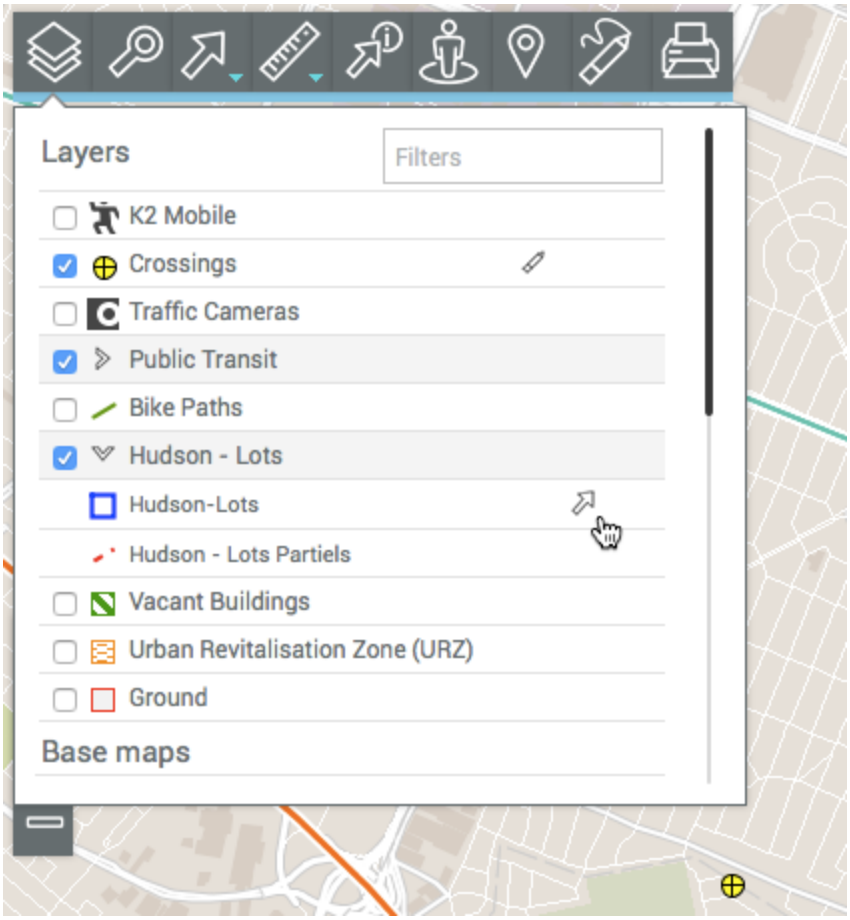
2 You can select the report pages you wish to print.

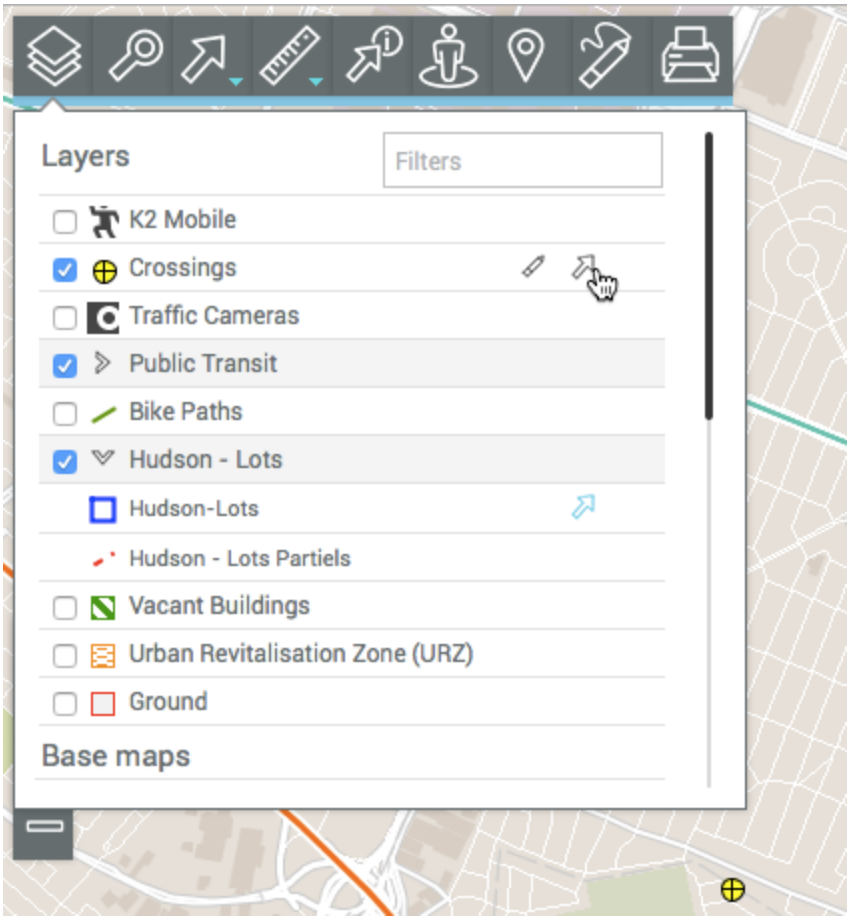
Selecting Elements in the Map Interface

You can select elements of a layer directly on the map interface using the selection tools. Afterwards, you can access the selection's descriptive information.

You can select the elements of one layer at a time; before selecting a layer's elements, you must make that layer selectable. To do so, follow these steps:

1. Place the mouse pointer on the row of the layer you are interested in, on the right of the layer's name. A grey arrow displays.
2. Click on the grey arrow . The arrow will turn blue , which indicates that the layer's elements can be selected using the interactive selection tools.





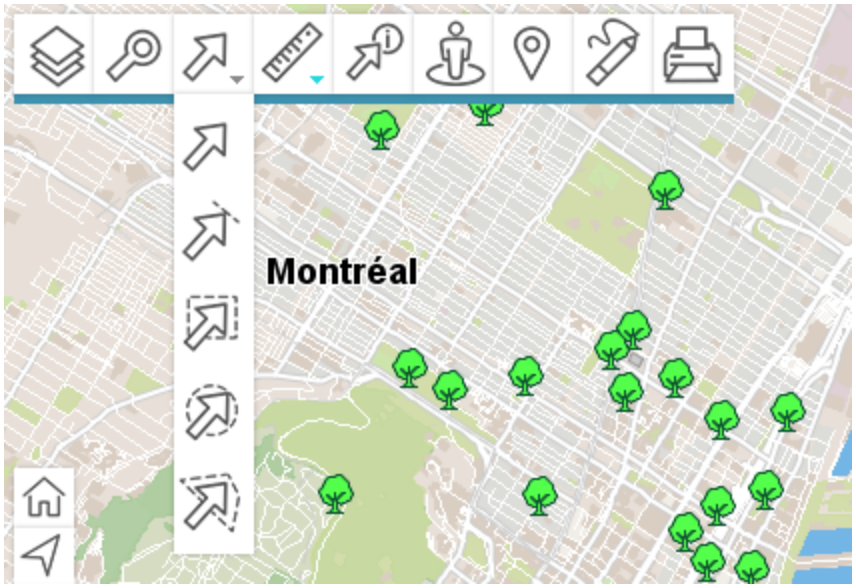
Each set of data in a composite layer can be made selectable independently from the others.

3. Click on the blue arrow if you no longer want the layer data to be selectable. The arrow becomes grey again .

Selecting elements using the selection tools

To select elements directly in the map interface:

1. Click on the selection tool . The drop-down list of selection tools displays.



Punctual selection

Allows you to select one element at a time.

Click on an element to select it.

Linear selection

Allows you to select one or more elements by drawing a line. Any elements the line touches will be selected. Note: this option does not work with points on the map.

Enable the tool and draw a line on the map.

Rectangular selection

Allows you to select one or more elements by drawing a rectangle. Any elements included in the rectangle, in whole or in part, will be selected. The rectangle's dimensions will be displayed.

Enable the tool and draw a rectangle on the map.

Circular selection

Allows you to select one or more elements by drawing a circle. Any elements included in the circle, in whole or in part, will be selected. The radius of the circle will be displayed.

Enable the tool and draw a circle on the map.

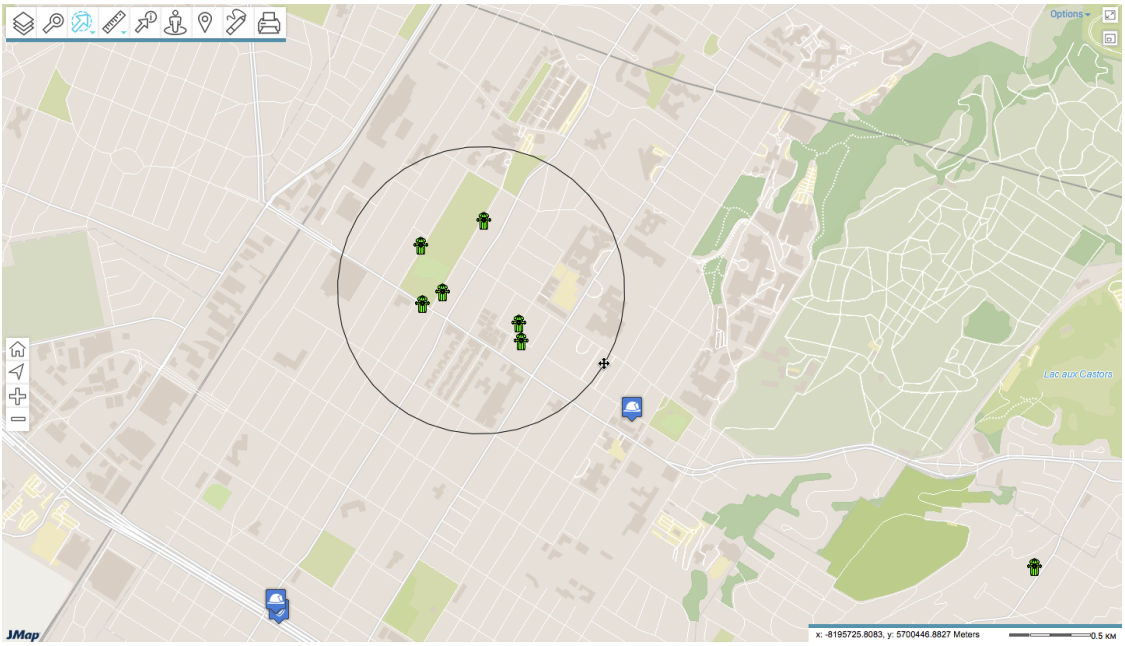
Polygonal selection

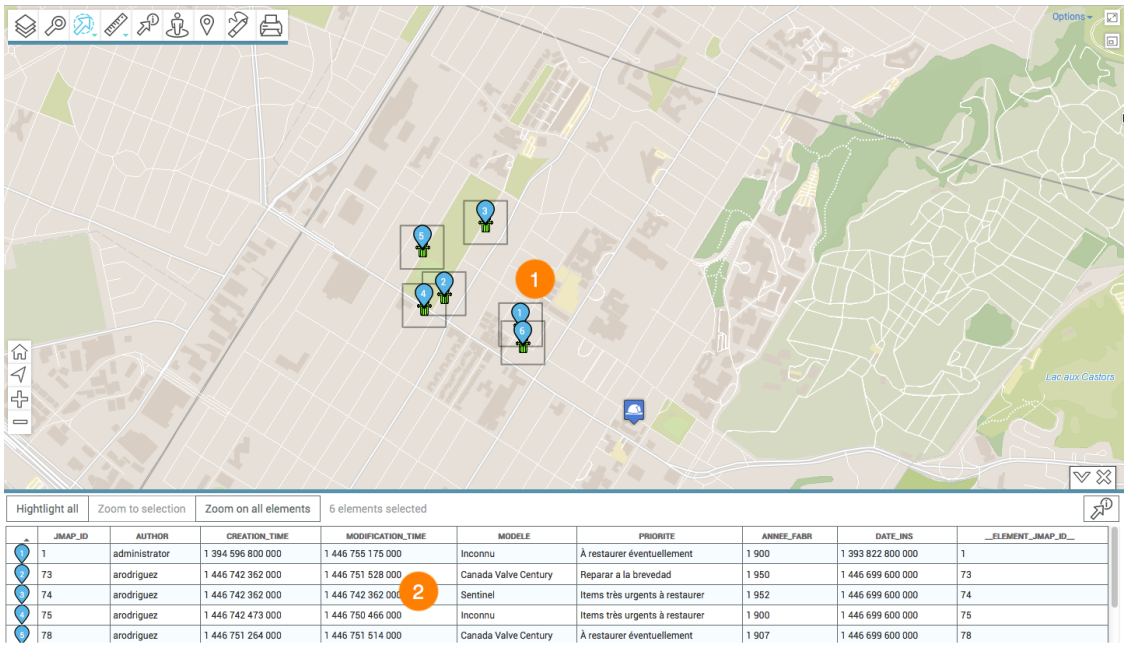
Allows you to select one or more elements by drawing a polygon. Any elements included in the polygon, in whole or in part, will be selected. The polygon's dimensions will be displayed.

Enable the tool and draw a polygon on the map. Double-click or press the space bar to complete the polygon.

Note: With any selection tool, you can hold the ***SHIFT*** key of your keyboard to add elements to an existing selection.

2. Click on one of the tools to enable it. The icon of the enabled tool turns blue and displays in the toolbar.
3. Select the element or elements you are interested in. In the map interface, the selected elements will be placed in a box and identified with a marker, and the selection explorer will automatically display.





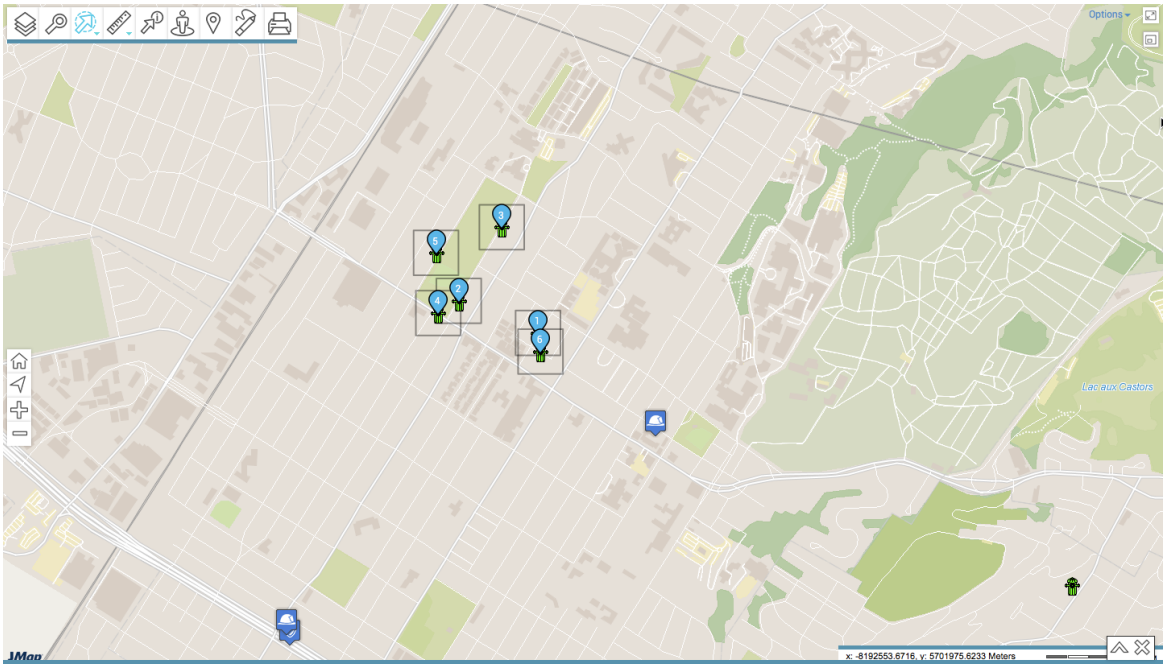
JMAP_ID	AUTHOR	CREATION_TIME	MODIFICATION_TIME	MODELE	PRIORITE	ANNEE_FABR	DATE_INS	__ELEMENT_JMAP_ID__
1	administrator	1 394 596 800 000	1 446 755 175 000	Inconnu	À restaurer éventuellement	1 900	1 393 822 800 000	1
73	arodriguez	1 446 742 362 000	1 446 751 528 000	Canada Valve Century	Reparar a la brevedad	1 950	1 446 699 600 000	73
74	arodriguez	1 446 742 362 000	1 446 742 362 000	Sentinel	Items très urgents à restaurer	1 952	1 446 699 600 000	74
75	arodriguez	1 446 742 473 000	1 446 750 466 000	Inconnu	Items très urgents à restaurer	1 900	1 446 699 600 000	75
78	arodriguez	1 446 751 264 000	1 446 751 514 000	Canada Valve Century	À restaurer éventuellement	1 907	1 446 699 600 000	78

1 Selected elements are placed in a box and identified using numbered markers .

2 The selection explorer is deployed, showing the selected elements in rows and their attributes in columns.

Various functions allow you to work with the data in the table.

4. Click on to hide the results table. Only the map interface with the selected elements is displayed.



5. Click on  to redisplay the elements explorer.

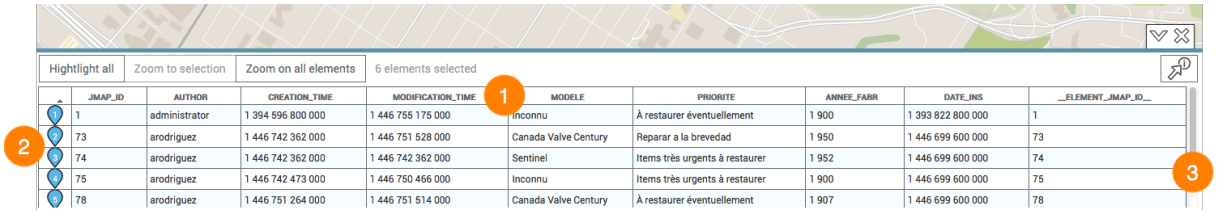
6. Click on  to delete the results of the selection. The elements explorer and the markers in the map interface are no longer displayed.

   The map interface stays in the same view.

Working with a selection of elements

Several tools can be used to access descriptive information on the selected elements.

The selection explorer allows you to view and organize data on the attributes of the selected elements.



JMAP_ID	AUTHOR	CREATION_TIME	MODIFICATION_TIME	MODELE	PRIORITE	ANNEE_FABR	DATE_INS	_ELEMENT_JMAP_ID_
1	administrator	1 394 596 800 000	1 446 755 175 000	Inconnu	À restaurer éventuellement	1 900	1 393 822 800 000	1
73	arodriguez	1 446 742 362 000	1 446 751 528 000	Canada Valve Century	Reparar a la brevedad	1 950	1 446 699 600 000	73
74	arodriguez	1 446 742 362 000	1 446 742 362 000	Sentinel	Items très urgents à restaurer	1 952	1 446 699 600 000	74
75	arodriguez	1 446 742 473 000	1 446 750 466 000	Inconnu	Items très urgents à restaurer	1 900	1 446 699 600 000	75
78	arodriguez	1 446 751 264 000	1 446 751 514 000	Canada Valve Century	À restaurer éventuellement	1 907	1 446 699 600 000	78

1 The first line contains the names of the attributes. You can sort the data in ascending or descending order.

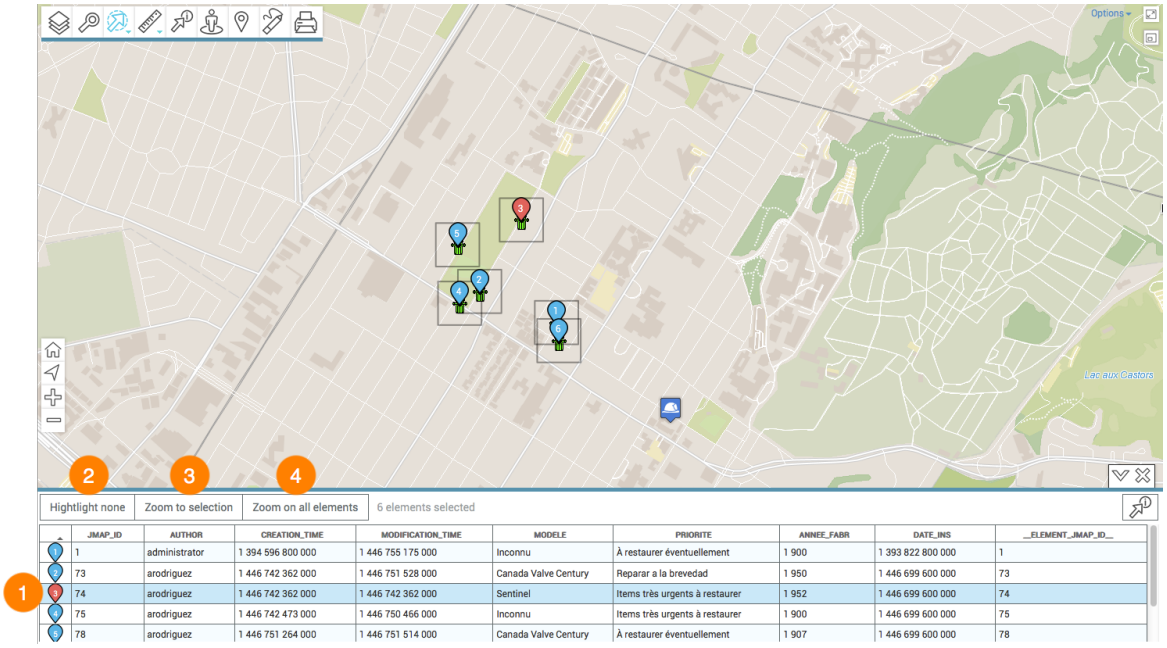
2 The first column contains the number of each element, identified with a blue marker .

3 The vertical bar allows you to scroll through the list of selected elements.

Other functions are available to select and filter data based on attribute values or to export the data to a file.

Selecting elements

Elements can be selected manually or using specific buttons.



1 Click on one or more elements in the explorer to select them. The blue marker becomes red in the explorer and on the map. In the explorer, the row of each selected element turns blue.

Double-click on an element to place it in the center of the map.

2 The ***Highlight all*** button automatically changes to ***Highlight none*** when elements are already selected. This button allows you to select or unselect the whole set of elements retrieved by the search using the selection tool.

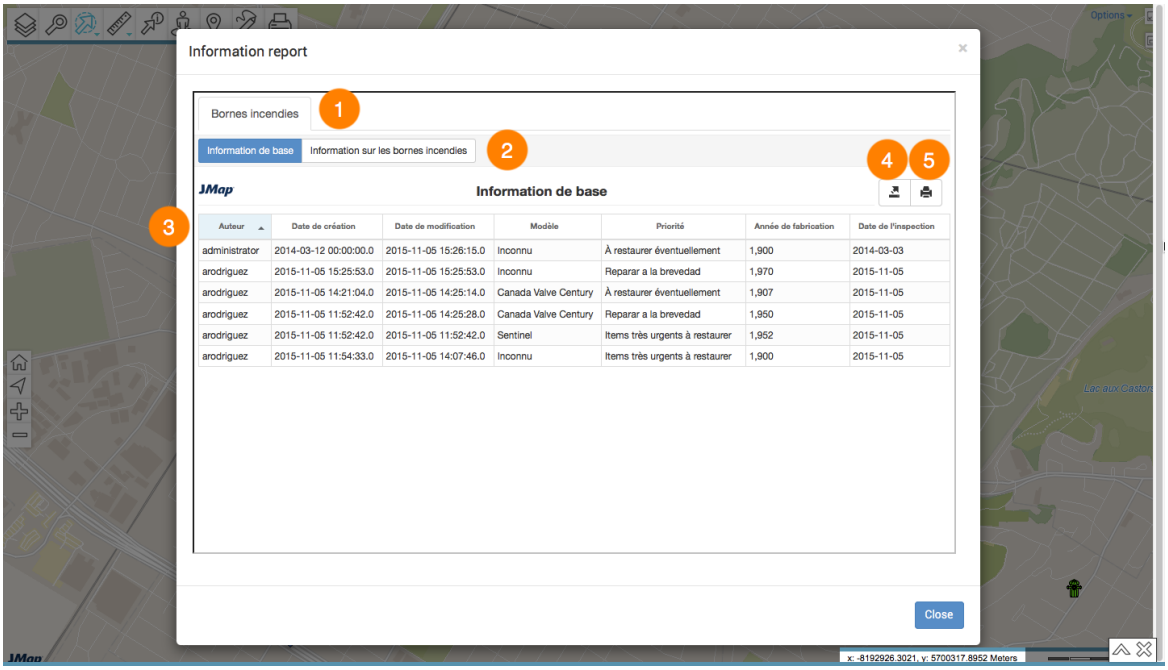
3 The ***Zoom to selection*** button places the selected element(s) in the center of the map interface.

4 The ***Zoom on all elements*** button displays all elements retrieved by the search.

Generating an information report

If the JMap administrator configured reports for the layer of the selected elements, you can generate an information report for the selection. The reports may have basic or advanced functionality. If no report has been configured for the layer, when you try to generate one, a message indicates that there is no report.

1. Click on the button to generate the report for the selection. The interface of the basic report is as follows:



1 Name of the map layer to which the elements selected in the search belong.

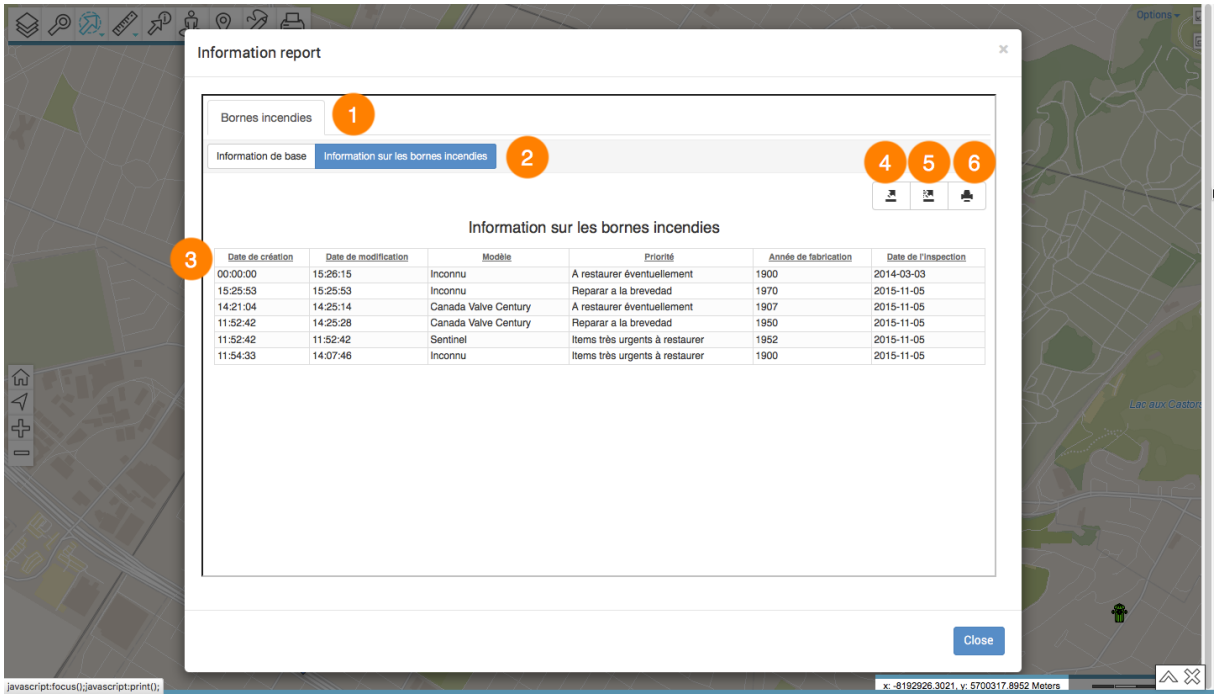
2 Name of the report.

3 Table similar to the selection explorer. The elements are displayed in rows, and columns represent the element attributes. The column headers allow you to sort the elements in ascending or descending order.

4 This tool allows you to export the report to an Excel file.

5 This tool allows you to print the report.

2. Click on the name of the advanced report (if it exists). Other tools will be available:



1 Name of the map layer to which the elements selected in the search belong.

2 Name of the report.

3 This table is similar to the selection explorer. Elements are displayed in rows, and the columns represent the element attributes. The column headers allow you to sort the elements in ascending or descending order.

4 This tool allows you to export the attributes to a CSV file. Details are presented below.

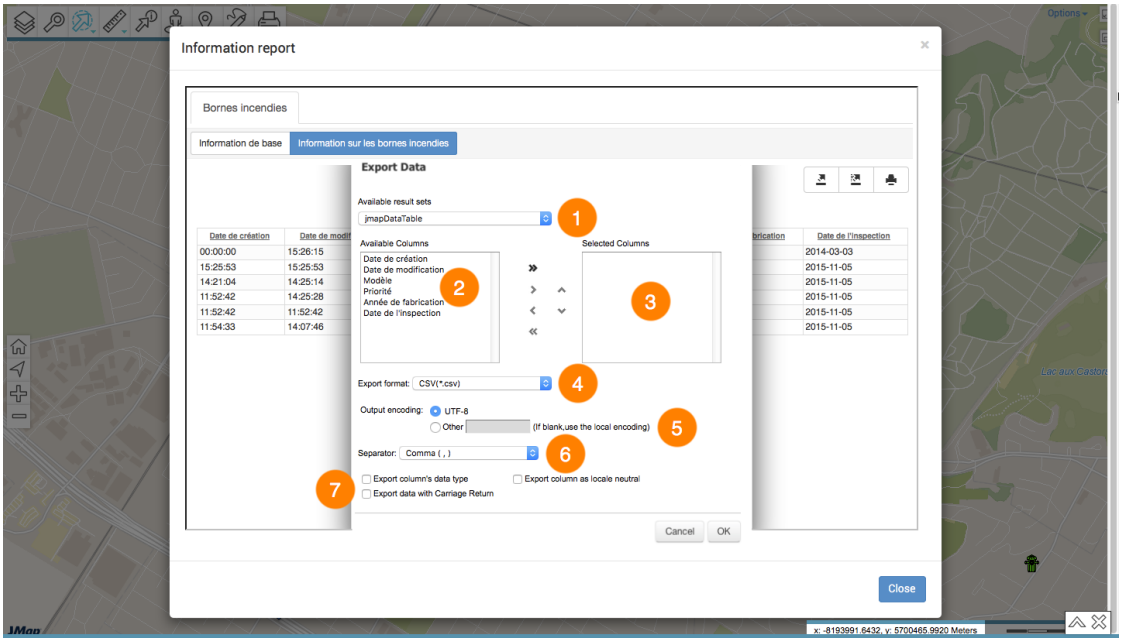
5 This tool allows you to export the report to a file. Details are presented below.

6 This tool allows you to print the report. Details are presented below.

3. Click on ***Close*** to close the report and return to the selection explorer.

Exporting report data, in whole or in part, to a file

Data contained in the advanced report can be exported to a CSV file to be used with other software, such as spreadsheets.



1 Name of the database containing the data.

2 Data available to be exported.

Using the › and » arrows, you can select all the attributes you wish to export.

3 Data exported to the file.

Using the ‹ and « arrows, you can remove attributes from the selection.

Using the ⌃ ⌄ arrows, you can modify the order of the attributes in the file.

4 CSV is the file format.

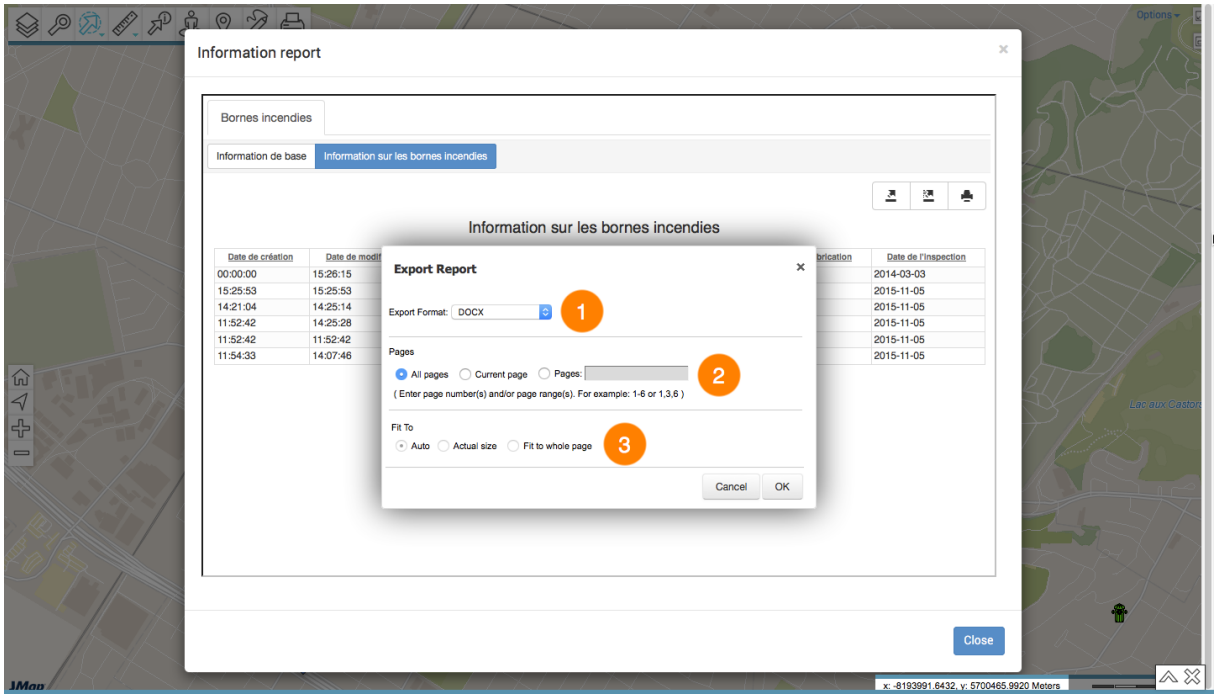
5 You can select a type of encoding for the data.

6 You must specify a separator for the data columns.

7 You can specify a column format. This information is useful to read the data with databases or other software (when the CSV file is opened with Excel, for instance).

Exporting the report to a file

The report can be exported to a file.



1 Format of the file to which the report will be exported.

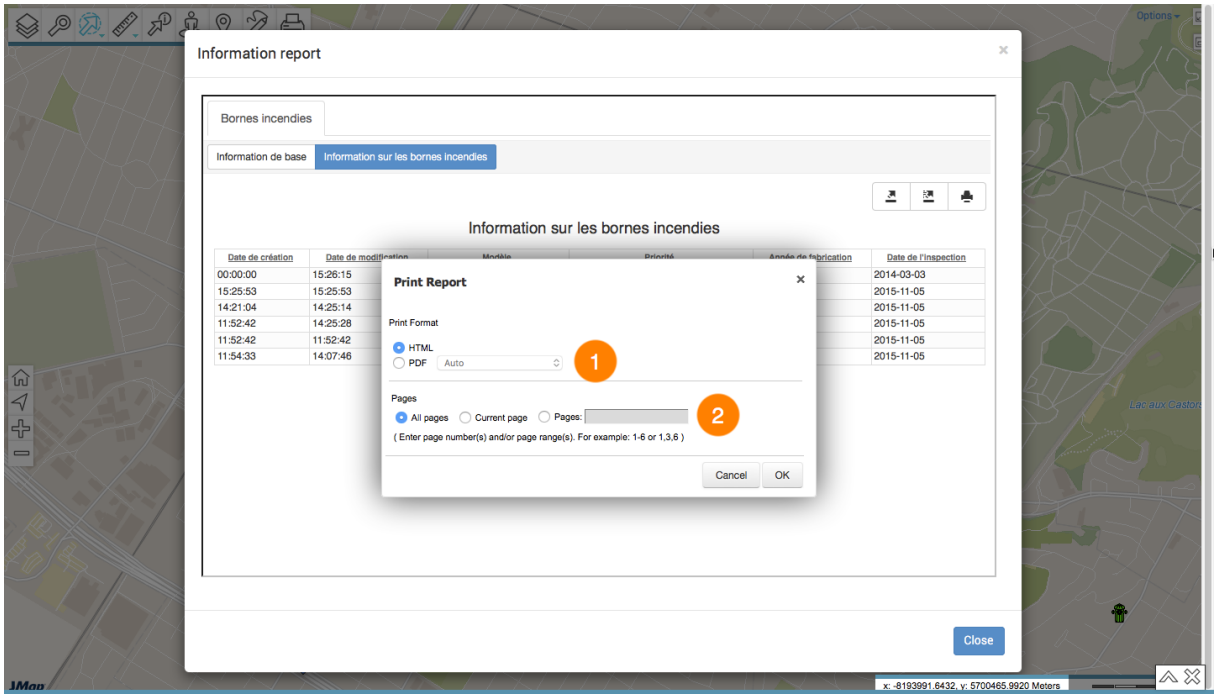
The following formats are available: DOCX, Excel (XLS), OpenDocument Presentation (ODP), OpenDocument Spreadsheet (ODS), OpenDocument Text (ODT), PDF, PostScript (PS), PowerPoint (PPT), PPTX, Spudsoft Excel, Word (DOC), XLSX.

2 You can select the pages of the report you wish to export.

3 You can configure how the report will fit in the file.

Printing the report

The report can be saved in a certain format for printing and sharing purposes.



1 The format in which the report is saved.

The following formats are available: HTML and PDF. PDF offers three options:

Auto: Adjusts the document automatically.

Actual size: Maintains the current size of the report.

Fit to whole page: Adjusts the size of the report to a single page.

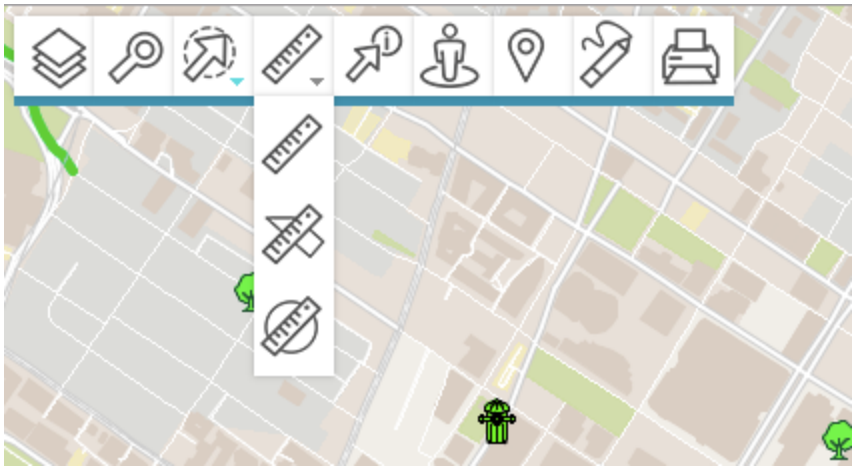
2 You can select the report pages you wish to print.

Measuring Distances and Surfaces

The measurement tools allow you to measure distances and surfaces (areas and perimeters). The measurement remains on the map until you make a new measurement. You can print measurements with the map.

To enable one of the measurement tools:

1. Click on  ***Distance measurement*** . The measurement tools' drop-down menu displays.



Distance measurement

Allows you to measure distances between two points at a bird's eye view. The tool allows you to measure several segments and to obtain the distance for each segment as well as the total distance of all segments combined.

Surface measurement

Allows you to measure areas with their perimeters by drawing a polygon on the map.

Circular surface measurement

Allows you to measure areas with their perimeters by drawing a circle on the map.

2. Select the tool you wish to use.

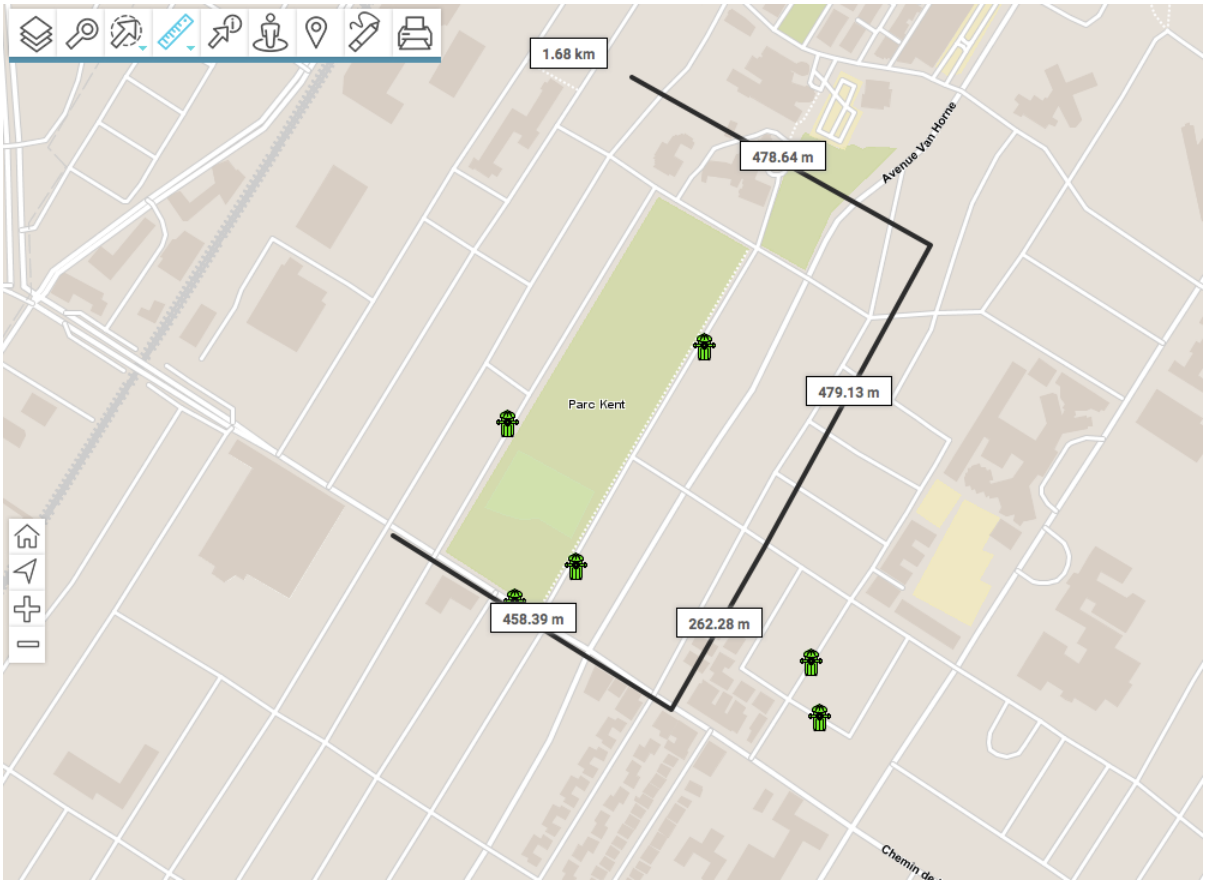
Distance measurement

To measure distances:

1. Click on ***Distance measurement*** in the menu to enable the tool. In the toolbar, the icon will turn blue.
2. Click on the map once to start.
3. Click on the map again to complete each segment.
4. Double-click to complete the measurement and display the results. The length of each segment (displayed in the middle of the segment) and the distance of all segments combined (displayed at the end of the last

segment, in a larger font) will be displayed. All measurements are indicated in the unit you specified in the Preferences of your session.

5. Click on to disable the tool. The icon turns grey . The measurements will be erased.

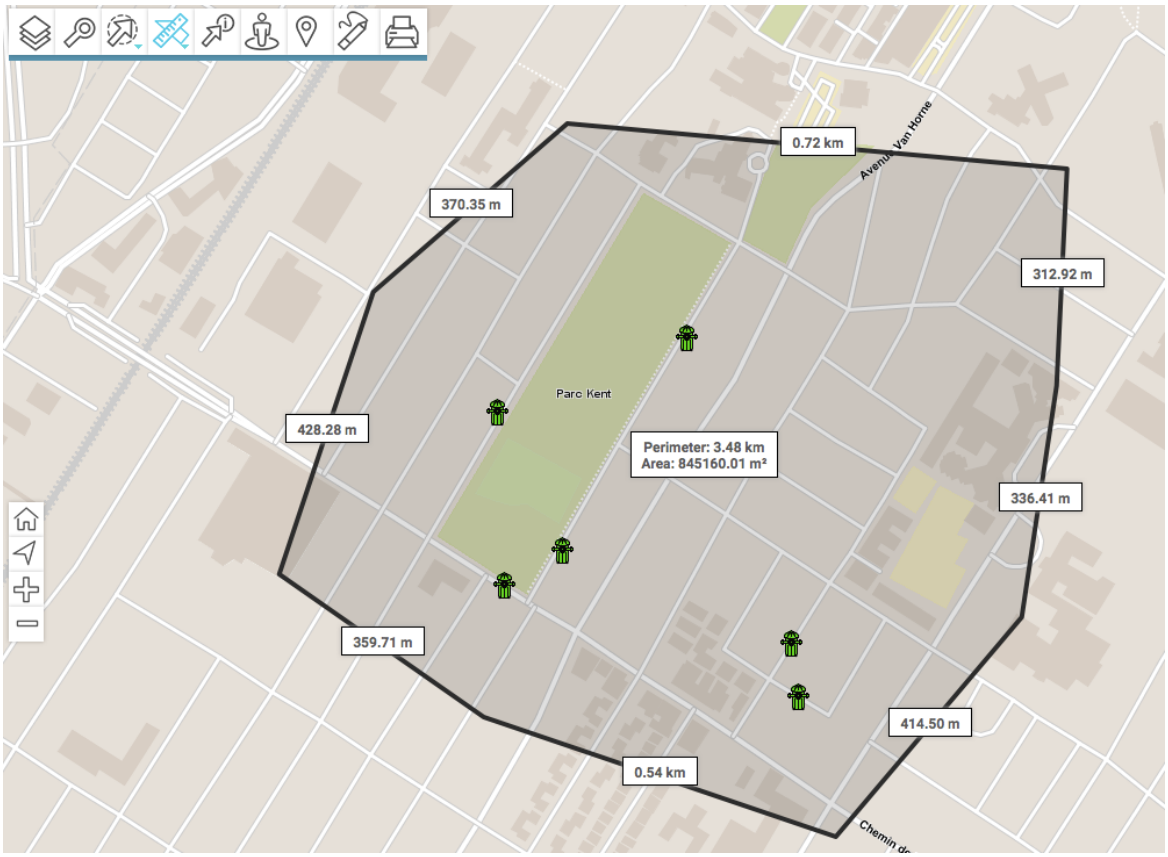


Surface measurement

To measure surfaces by drawing a polygon:

1. Click on ***Surface measurement*** in the menu to enable the tool. In the toolbar, the icon will turn blue .
2. Click on the map once to start.
3. Click on the map again to complete each segment.
4. Double-click to close the polygon, complete the measurements and display the results. All measurements are indicated in the unit you specified in the Preferences for the session.

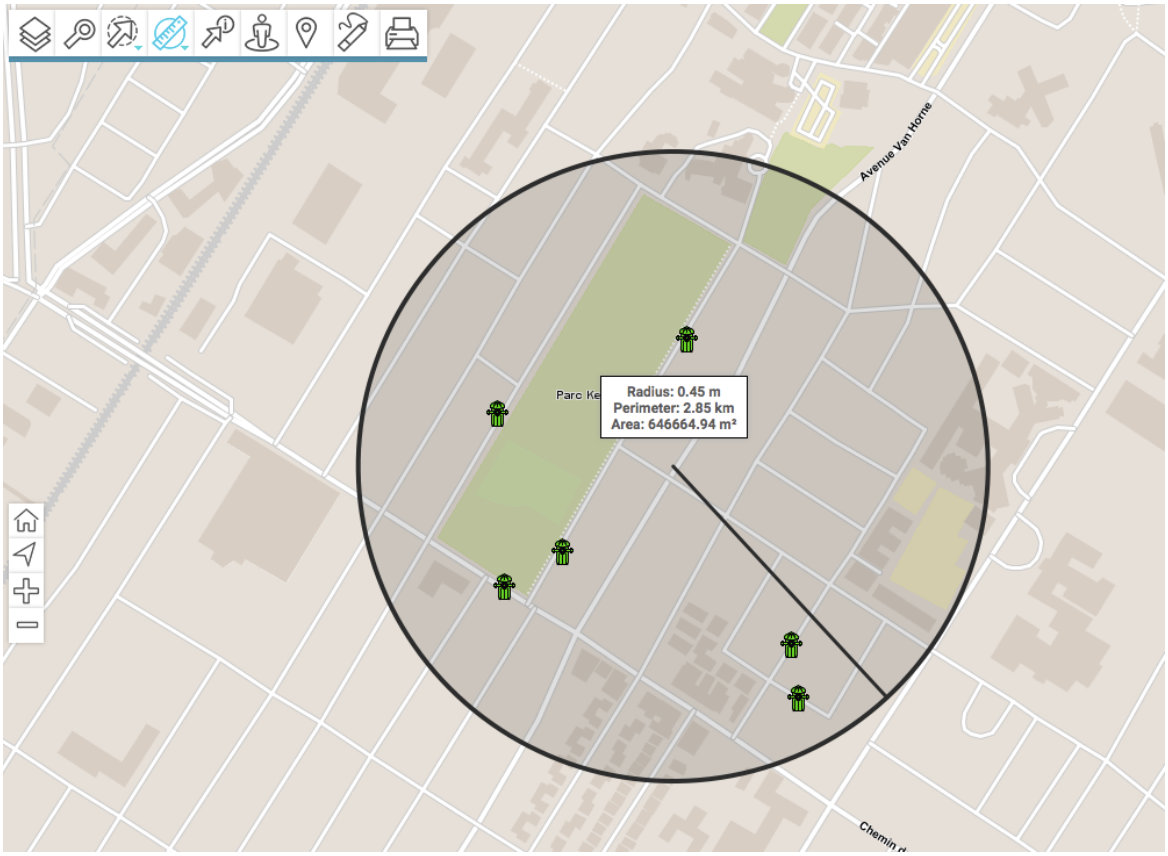
5. Click on  to disable the tool. The icon turns grey  . The measurements will be erased.



Circular surface measurement

To measure surfaces by drawing a circle:

1. Click on  ***Circular surface measurement*** in the menu to enable the tool. In the toolbar, the icon will turn blue  .
2. Click on the map once to start, and while holding down the left mouse button, move the pointer to draw the circle's radius.
3. Release the left mouse button to complete the measurements and display the results. All measurements are indicated in the unit you specified in the Preferences for the session.
4. Click on  to disable the tool. The icon will turn grey  . The measurements will be erased.

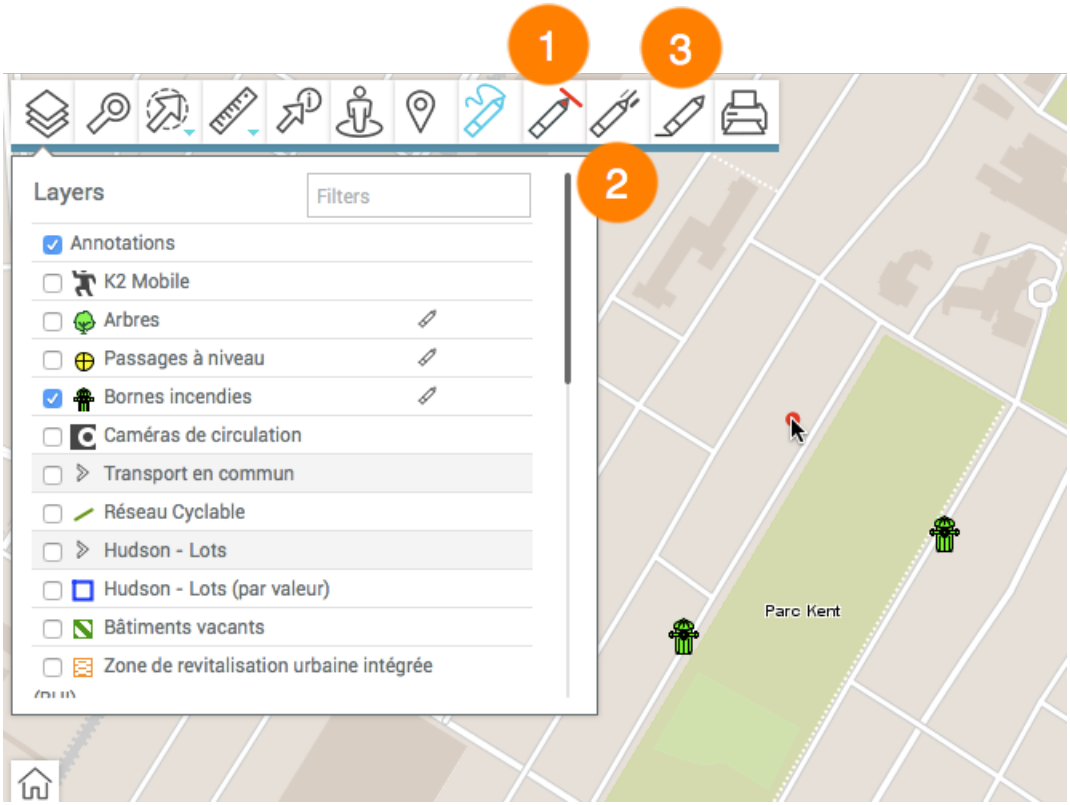


Drawing Annotations on the Map

This tool allows you to draw on the map. Your comments can be printed with the map or saved in PDF format. Drawings are integrated to the *Annotations* layer.

To draw annotations on the map:

1. Click on ***Annotations*** to enable the tool. The menu opens and the icon turns blue .
   The ***Layers*** menu opens with the *Annotations* layer selected to be displayed in the map interface when you will draw on the map.



1 Colour palette for the line.

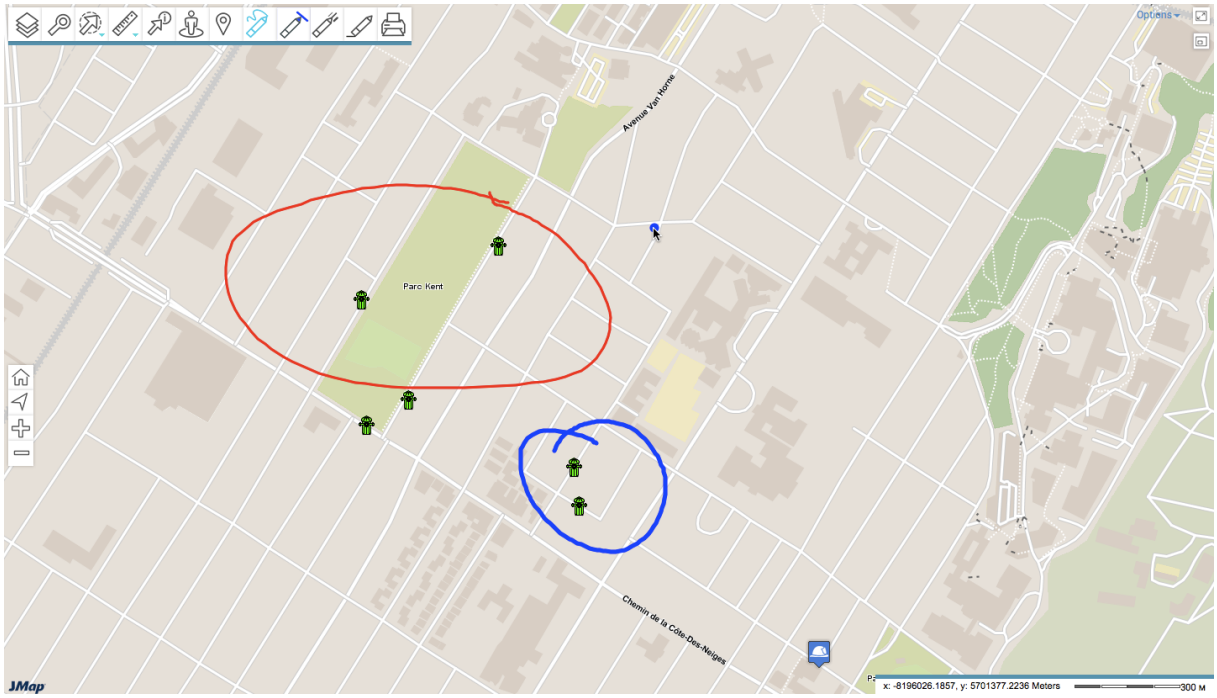
2 Width of the line.

3 Erase annotations.

2. Specify the colour and the width of the line you wish to draw.
3. Click on a mouse button and drag it to draw your annotations.
4. Click on to disable the tool. The menu closes and the icon turns grey .

Annotations will remain on the map until the end of the session or until you erase them. You can change the colour and width of the line without disabling the tool.

To hide the annotations, unselect the *Annotations* layer in the ***Layers*** drop-down menu.



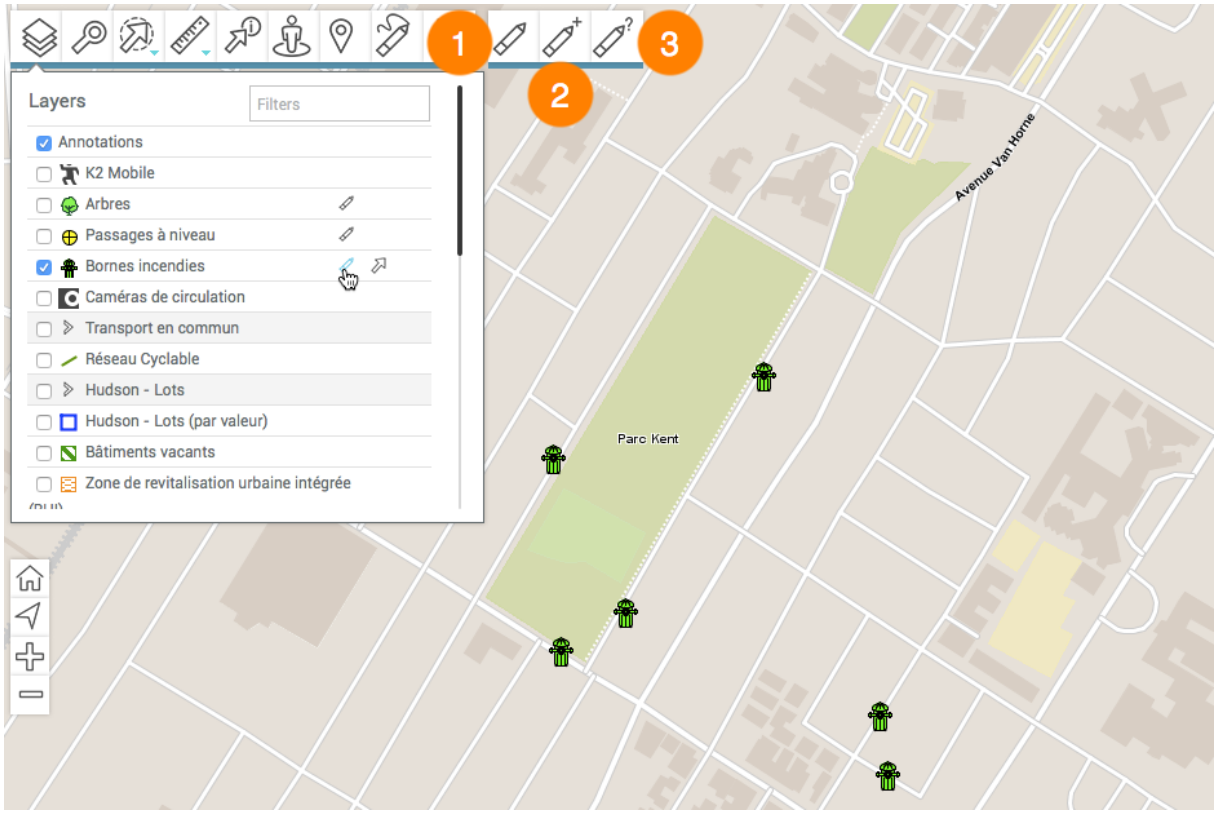
Editing Data

Some of the application's layers are editable, which means users who have the right permissions can create new elements on the layer, remove existing elements and modify the location and attributes of existing elements.

To edit the elements of a layer:

1. Click on ***Layers*** to display the list of layers for the application. The icon indicates that the layer is editable.

2. Click on the icon of the layer you wish to edit. The icon turns blue , indicating that the editing functions are enabled. The editing tools are displayed next to the toolbar.



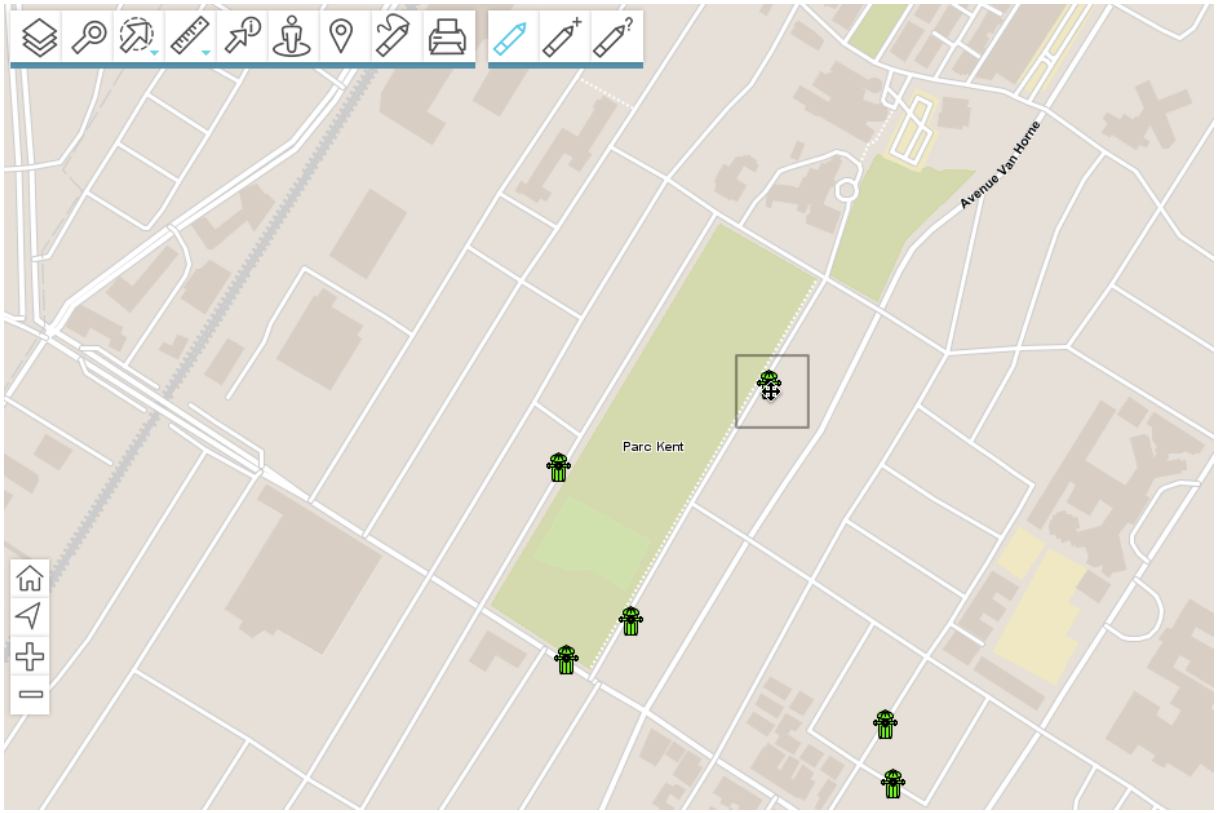
1 This tool is used to modify the position of an element in the editable layer.

2 This tool is used to create a new element in the editable layer.

3 This tool is used to open a form, which allows you to modify the value of an element's attributes.

Modifying the position of an element

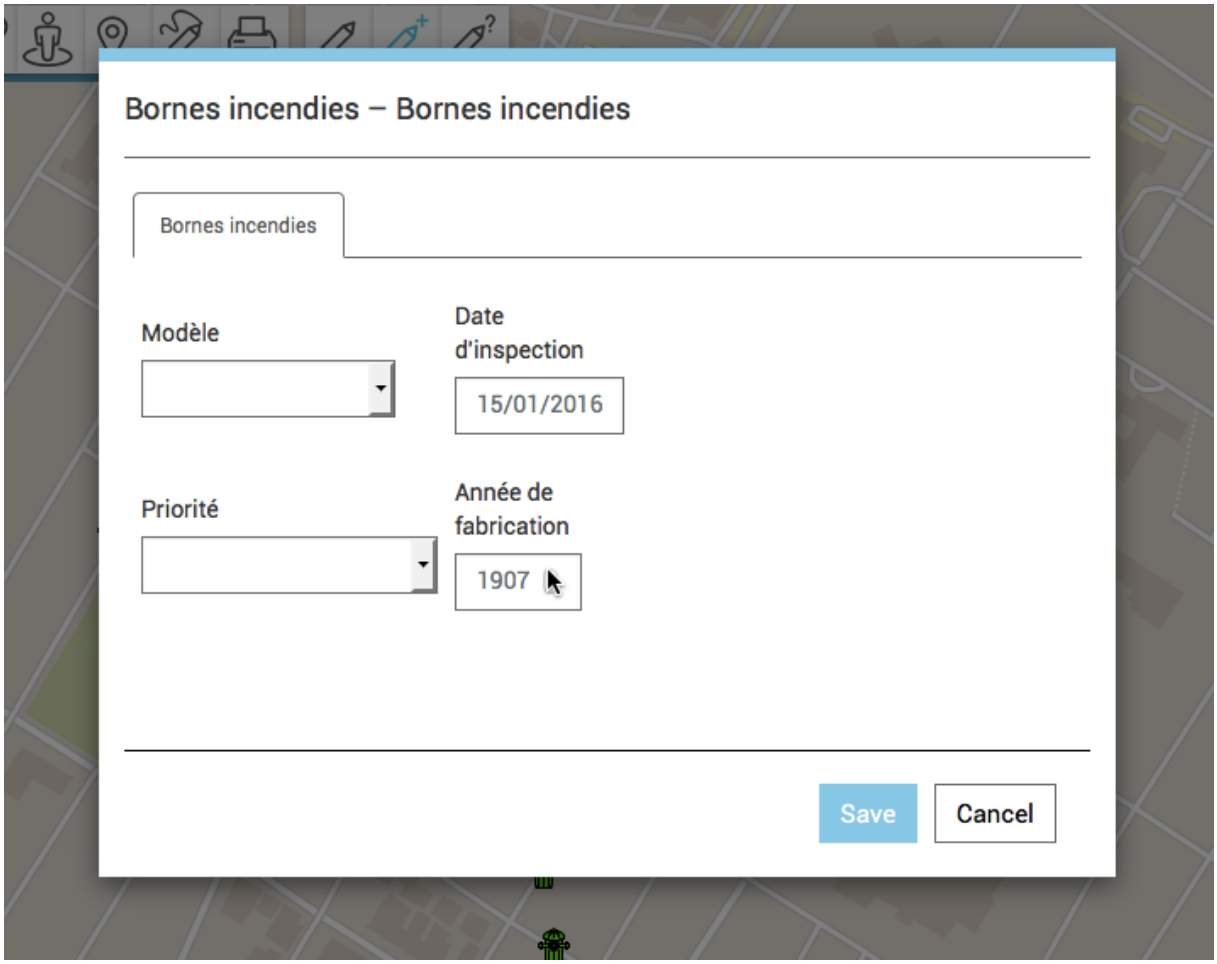
1. Click on ***Edit Element*** to enable the tool. The icon turns blue .
2. Click on the element whose position you wish to change. The element will be placed in a grey box, indicating it has been selected to be edited.



3. By clicking on the left mouse button, drag and drop the element to the desired position.
4. Repeat steps 2 and 3 to move other elements.
5. Click on to disable the tool. The icon turns grey .

Creating an element

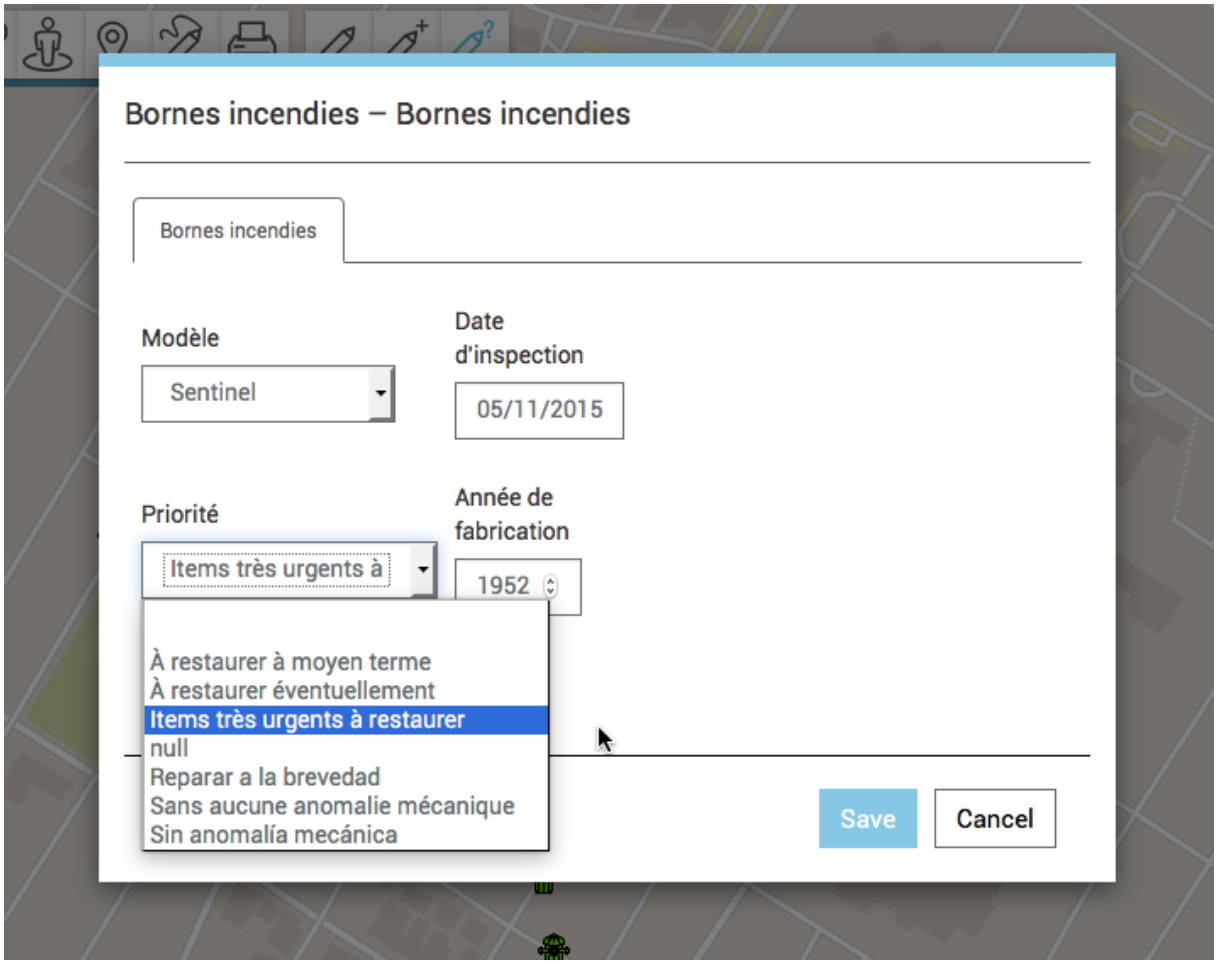
3. Click on ***Create elements*** to enable the tool. The icon turns blue .
4. Click on the location where you wish to create the element. A form displays, allowing you to define attribute values.



6. Enter the attribute values in the appropriate fields.
7. Click on ***Save*** to create the new element. The element displays in the map.
8. Repeat steps 2, 3 and 4 to create other elements.
9. Click on to disable the tool. The icon turns grey .

Modifying the value of an element's attributes

1. Click on ***Check Element's Form*** to enable the tool. The icon turns blue .
2. Click on the element whose data you wish to modify. The element will be placed in a grey box. A form displays, allowing you to define attribute values.



3. Configure the attribute values in the appropriate fields.
4. Click on ***Save*** to save the changes.
5. Repeat steps 2, 3, and 4 to modify the attribute values of other elements.
6. Click on  to disable the tool. The icon turns grey  .

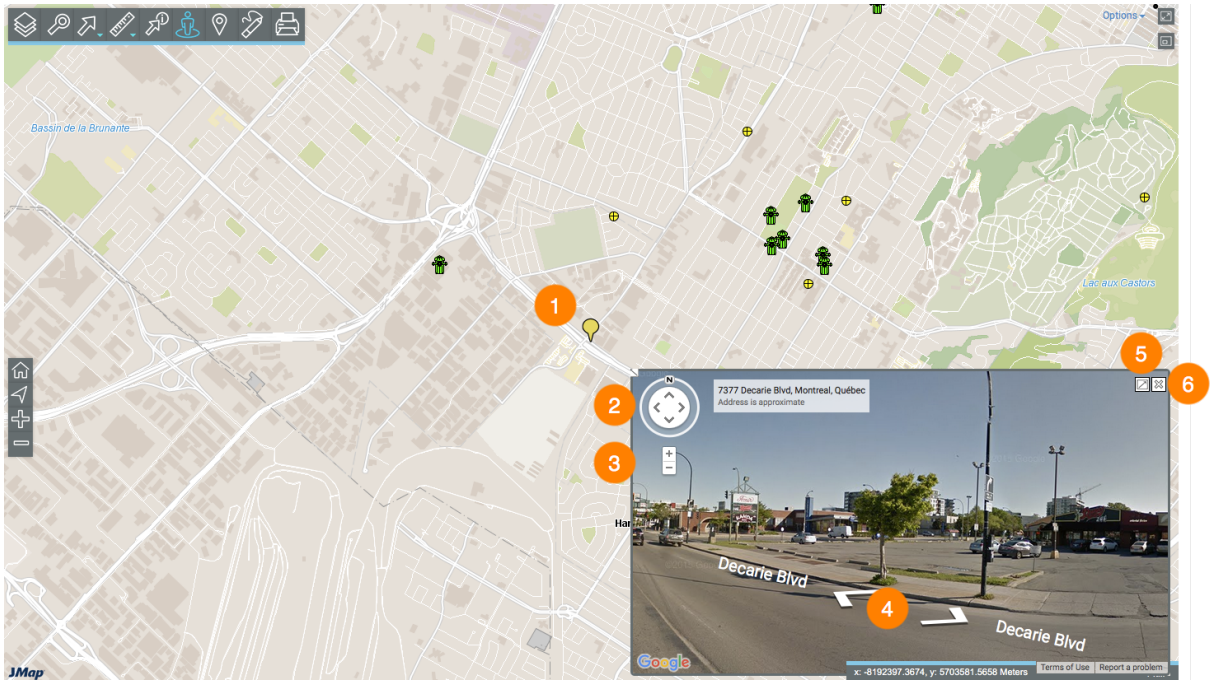
Using Google Map Tools

You can use Google Map's Street View and Directions tools in the JMap Web 6.5 application, which connects directly to Google Maps' server to display this data.

Google Street View

To use Google Street View :

1. Click on ***Google Street View*** to enable the tool. The icon turns blue and the mouse pointer becomes a dot.
2. Place the mouse pointer on the desired spot on the map. If there is no data at this location, the following message will display: "*No panorama views were found at this location.* " If there is data, a marker will display at the pointed spot, and the Street View interface opens at the bottom of the application.



1 Marker indicating the location selected with the mouse pointer.

2 This tool is used to change the direction of the view in Street View.

3 This tool is used to zoom in on the view in Street View.

4 This tool allows you to go back and forth in the view displayed in Street View.

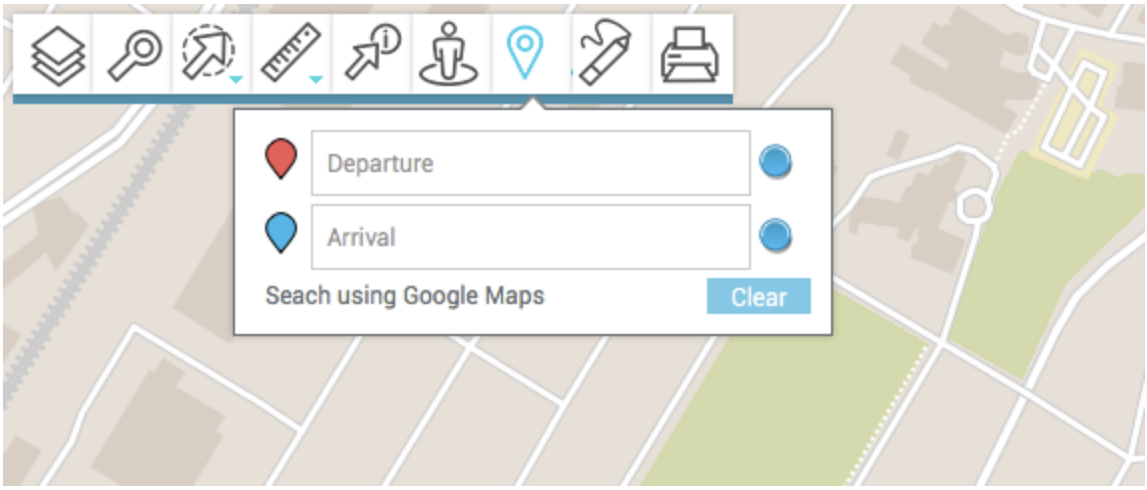
5 This button opens Street View in a new browser window.

6 This button closes the Street View interface.

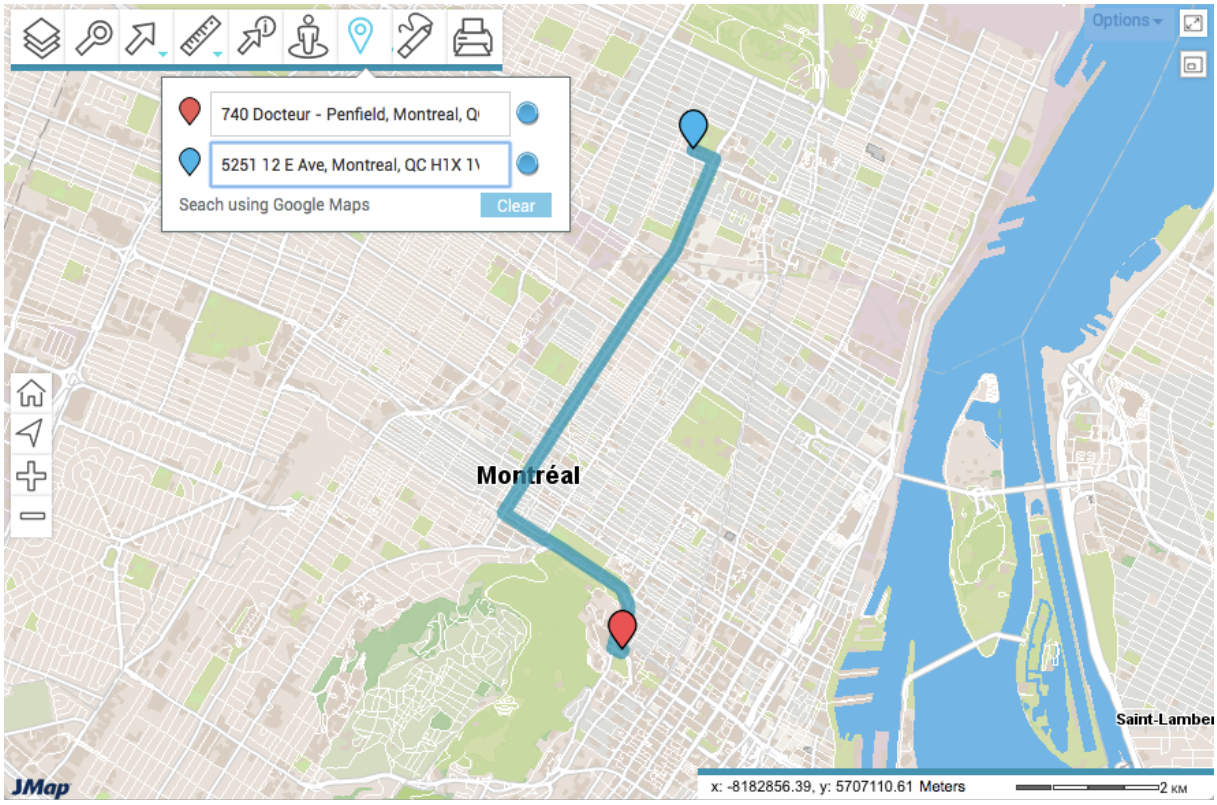
3. Click on another location if you wish to change the view. The Street View interface is automatically updated.
4. Click on to disable the tool. The icon turns grey and the Street View interface closes.

Google Directions

1. Click on ***Google Directions*** to enable the tool. The icon turns blue and the interface for entering addresses is displayed.



2. Enter an address in the Departure field and an address in the Arrival field. These intelligent fields will display the addresses contained in the database that match the data you will enter. Once your Arrival address is entered, the directions will be centered in the map interface. Two markers indicate the starting and arrival points entered in the form.

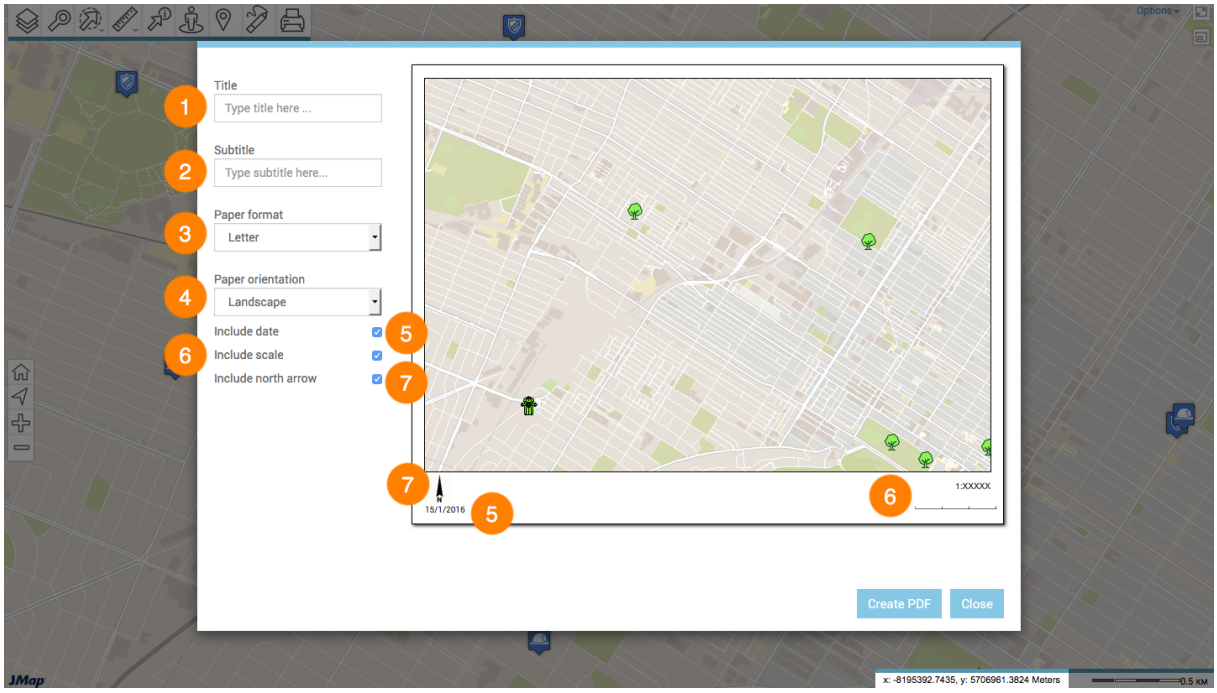


3. Move the marker of the starting point and/or of the arrival point by dragging and dropping them with the mouse. The directions on the map and the addresses entered in the form will be updated.
4. Click on ***Clear*** to remove the addresses from the form and erase the directions on the map.
5. Click on to disable the tool. The icon turns grey . If you have not erased the directions from the map, they will still be displayed but you will not be able to modify them. To erase them, you must enable the tool and delete the data from the address entry form.

Printing Maps

You can save a map in PDF format to share or print it.

1. Click on ***Print map*** to enable the tool. The printing interface displays.



1 Enter the title of the map in this field.

2 Enter a subtitle for the map in this field.

3 Select the paper format: Letter, Legal or A4.

4 Select the paper orientation: Landscape or Portrait.

5 Check this box if you wish to add the date.

6 Check this box if you wish to add the map scale.

7 Check this box if you wish to add a North arrow to the map.

2. Click on ***Create PDF*** to create the document. You must enable pop-ups in your web browser in order to do this.
3. Click on ***Close*** to close the printing configuration interface.

Contact Us

By phone

You can contact us during business hours (8:30 A.M. - 4:30 P.M. EST, Monday through Friday) at 1-514-285-1211.

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