# JMap Mobile 6.5

# User Manual

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# Welcome to JMap Mobile 6.5

JMap Mobile is an online application that is part of the JMap family (JMap Pro, JMap Web, and JMap Mobile). It is deployed on mobile devices such as tablets and smartphones.

Among other functions, it allows you to display vector and raster data, perform queries and edit vector data, both offline and online.
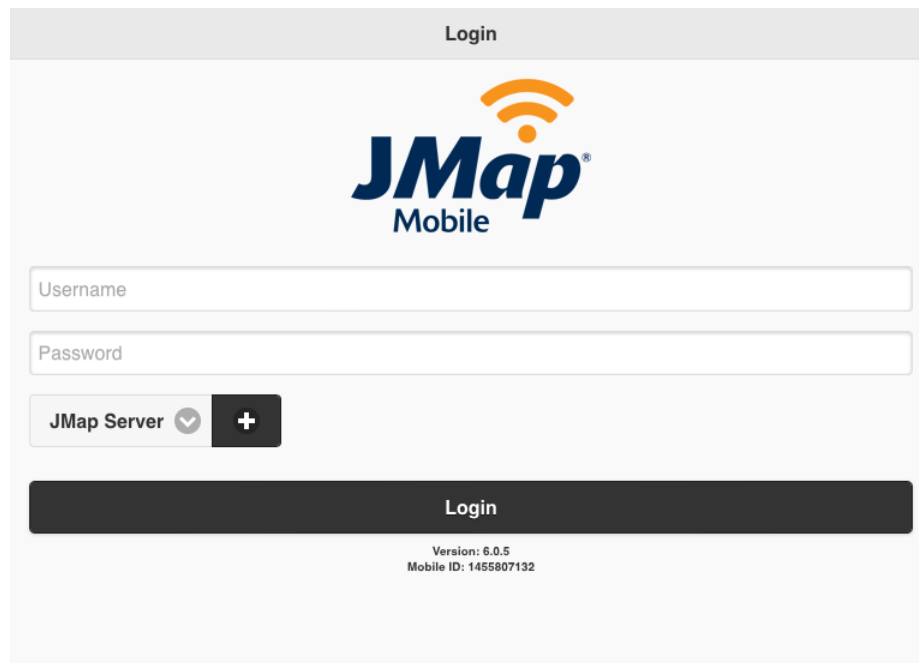
This manual is a user guide for JMap Mobile 6.5.

# Connecting to the Application

You must download JMap Mobile in the application store of your mobile device.

When you touch the JMap Mobile icon, a login interface displays, allowing you to launch a specific application.
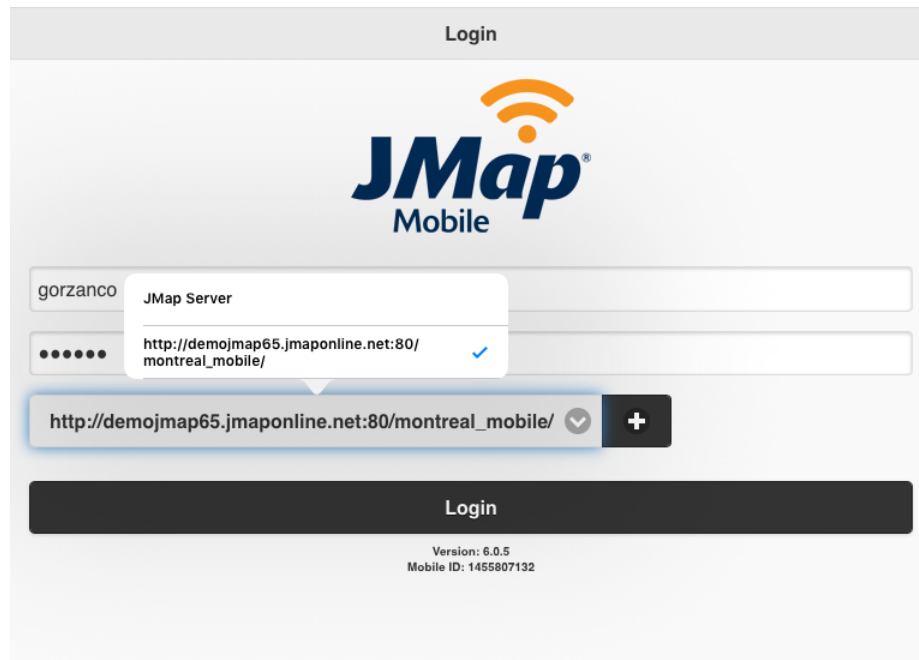
Application access is usually controlled, and you must obtain a username and password from your organization.



To connect to an application:

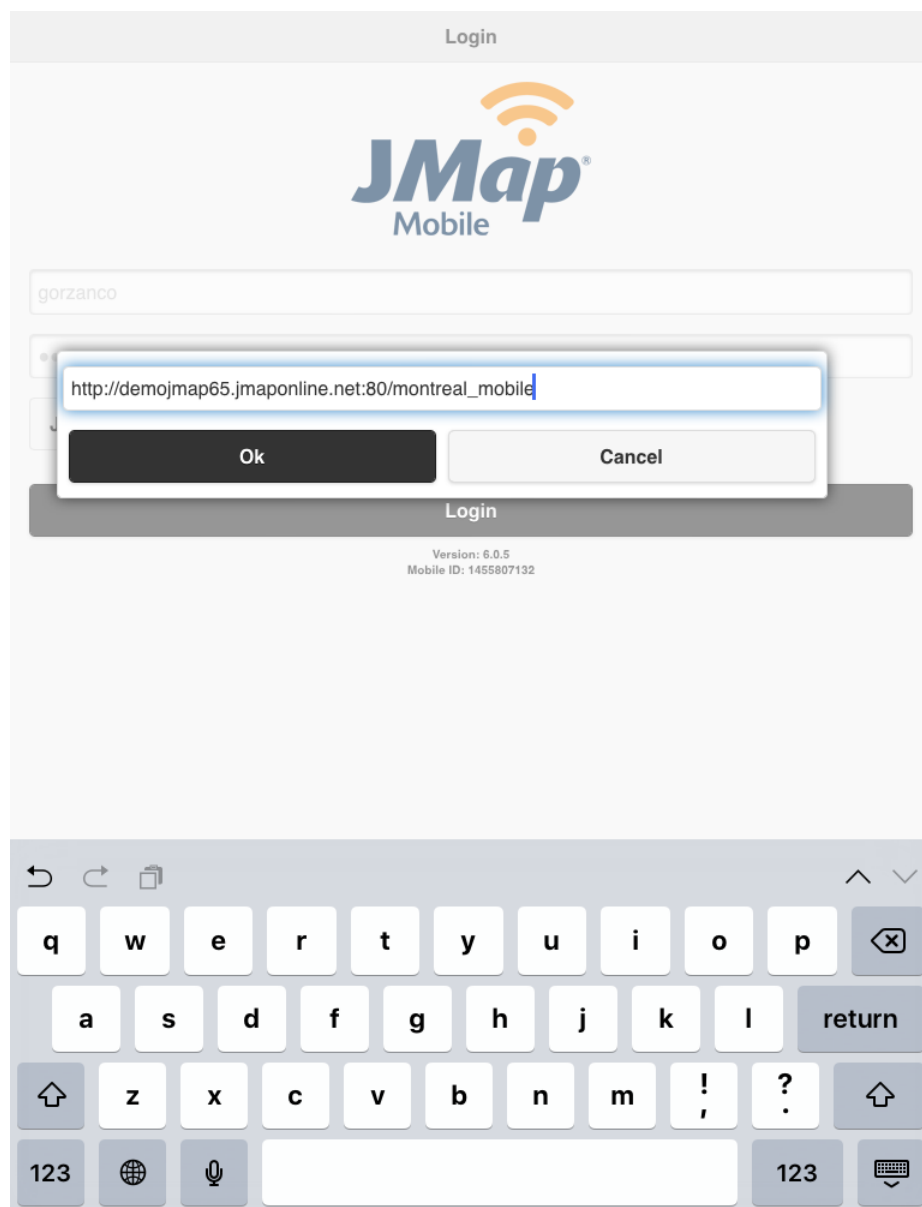1. Enter your **Username**.

2. Type the **Password**.

3. Enter the URL of the application you wish to deploy in the **JMap Server** field.

   The drop-down arrow 🔽 lists the URLs of the applications that were previously opened. This list can be deleted in the Preferences section.
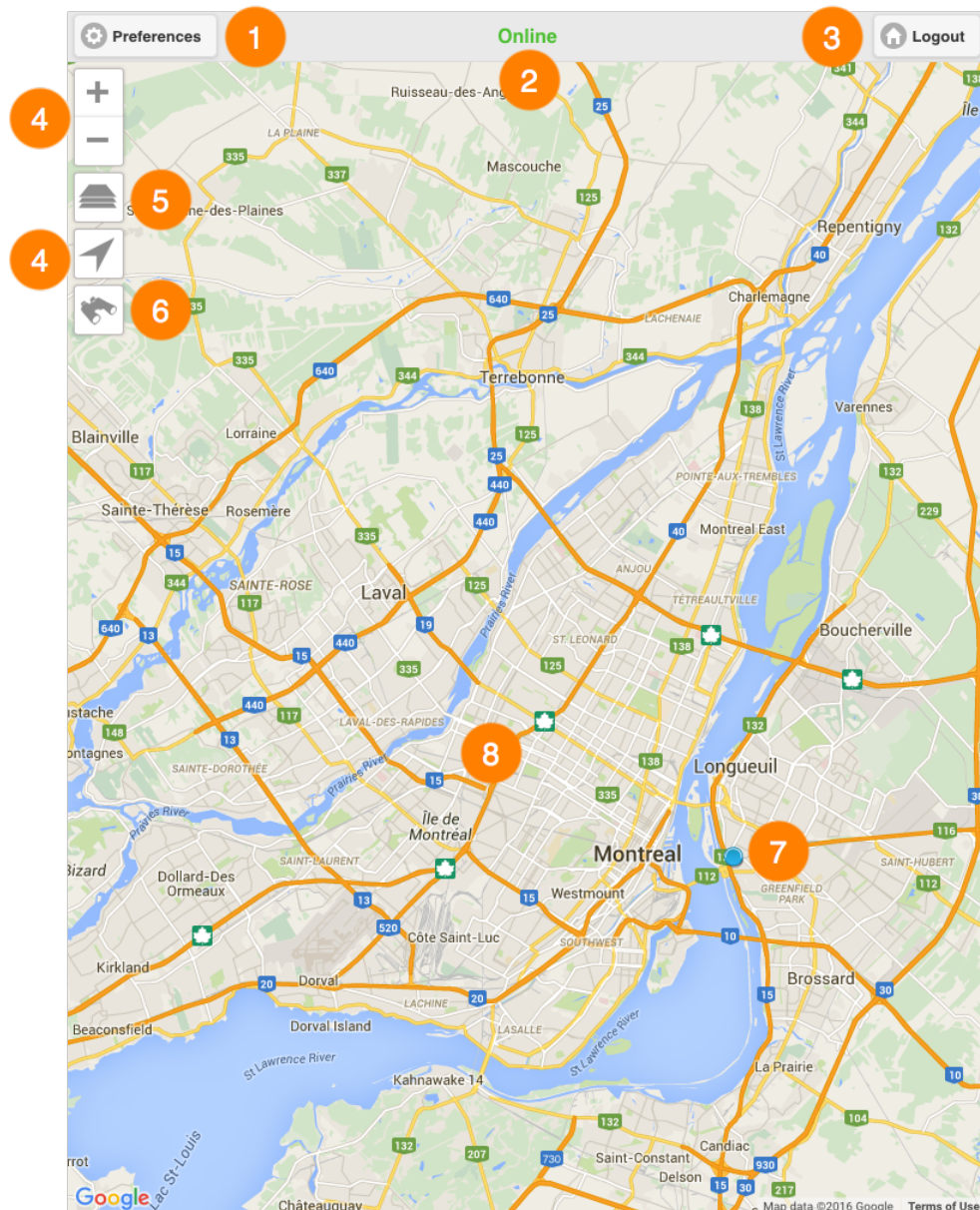
The ⊞ icon allows you to add new URLs using your mobile device's keyboard.

4.    Touch *Login*  to access the application.

# The Graphical Interface

The graphical interface is streamlined and straightforward; all the space is devoted to map-based data.



### 1    Preferences

This button brings you to an interface where you can configure settings related to data and transactions management, application addresses, and the mode in which you want to work. For more details, refer to the Preferences section.

**2**     **Status**

A legend indicating the status of the connection to the JMap Server. Two statuses are possible: *Online* and *Offline* .

**3**     **Logout**

This button brings you back to the login interface.

**4**     Navigation tools:

**✛ Enlarge the map (zoom in)**

1. Touch to enlarge the center of the map (the zoom factor is set by default in your mobile device).

**— Reduce the map scale (zoom out)**

1. Touch to zoom out on the center of the map (the zoom factor is set by default in your mobile device).

**✈ Geolocation**

1. Touch to center the map on your location (geographic coordinates of your mobile device). The button turns blue ✈ .

2. Touch on the button again to disable the function. The button turns grey ✈ .

The geolocation function must be enabled in your mobile device.

**5**     ▲ Data layers in the application

**6**     🐾 Queries

**7**     The map-based representation of the mobile device's location.

**8**     The map interface.

# The Data

The data contained in the application is organized into layers. There are two types of layers in JMap Mobile: base maps, which form the map background, and layers, which contain various types of data and can be enabled or disabled as needed. Some layers can be edited in the application.

Layers can display descriptive data related to the spatial data, which can be accessed via mouseover bubbles.

To display data:

1.  Touch the ⛃ icon. The **Layers** menu displays. It contains the list of layers organized into three groups: **Base maps**, **Layers**, and **Current editable layer**.
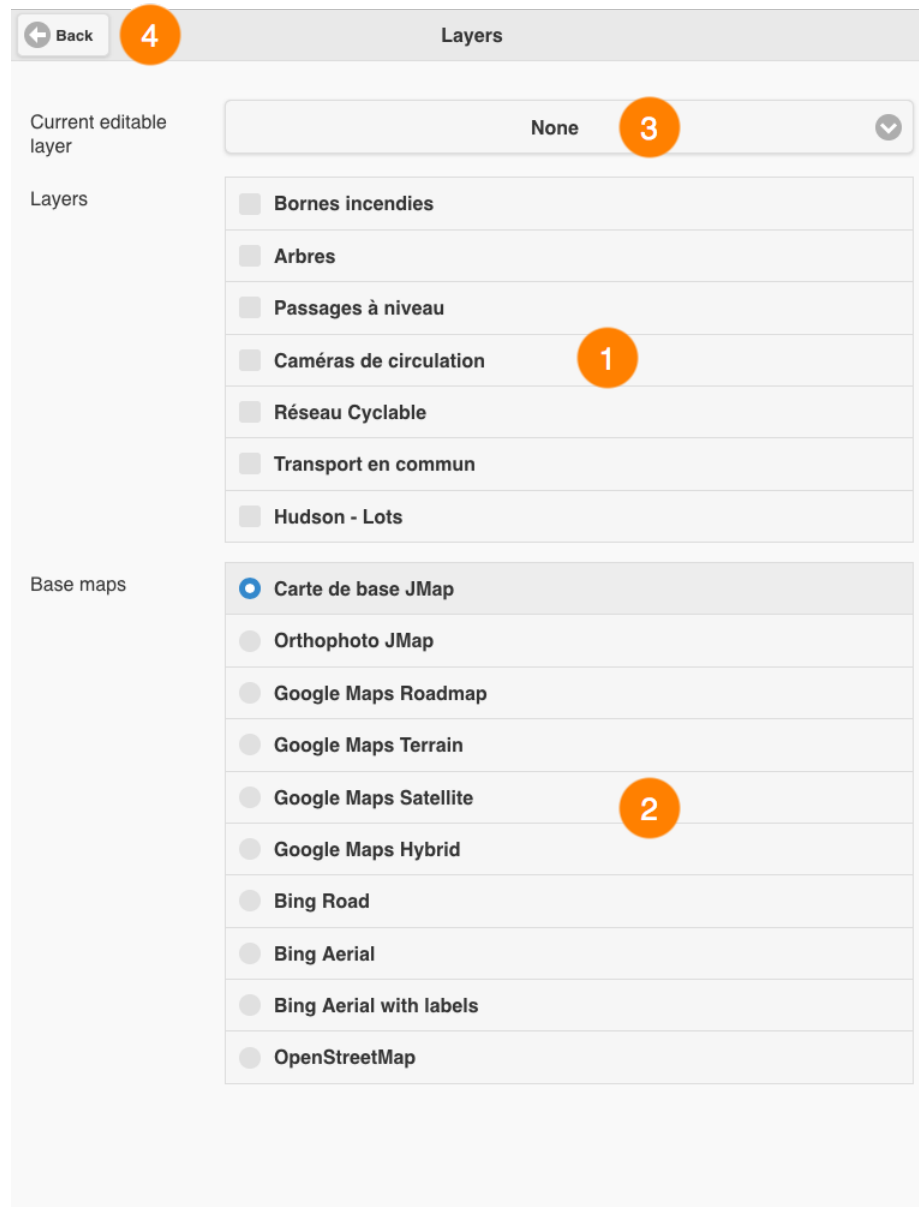
**1**   The list of layers found within the application.

**2**   The list of base maps found within the application.

**3**   This menu allows you to select a layer for editing. For more details on this function, refer to the Editing Data section.

**4**   This button brings you back to the map interface.

2. Select the layers you wish to display.

   You can display several layers at the same time. The only restriction is the readability of the map.

3. Select the base map of your choice to display it.

   You can only display one base map at a time.

   Depending on your application's configuration, you may have access to maps created specifically for the application and/or maps taken directly from Web-based map servers such as Google Maps, Bing and OpenStreetMap.
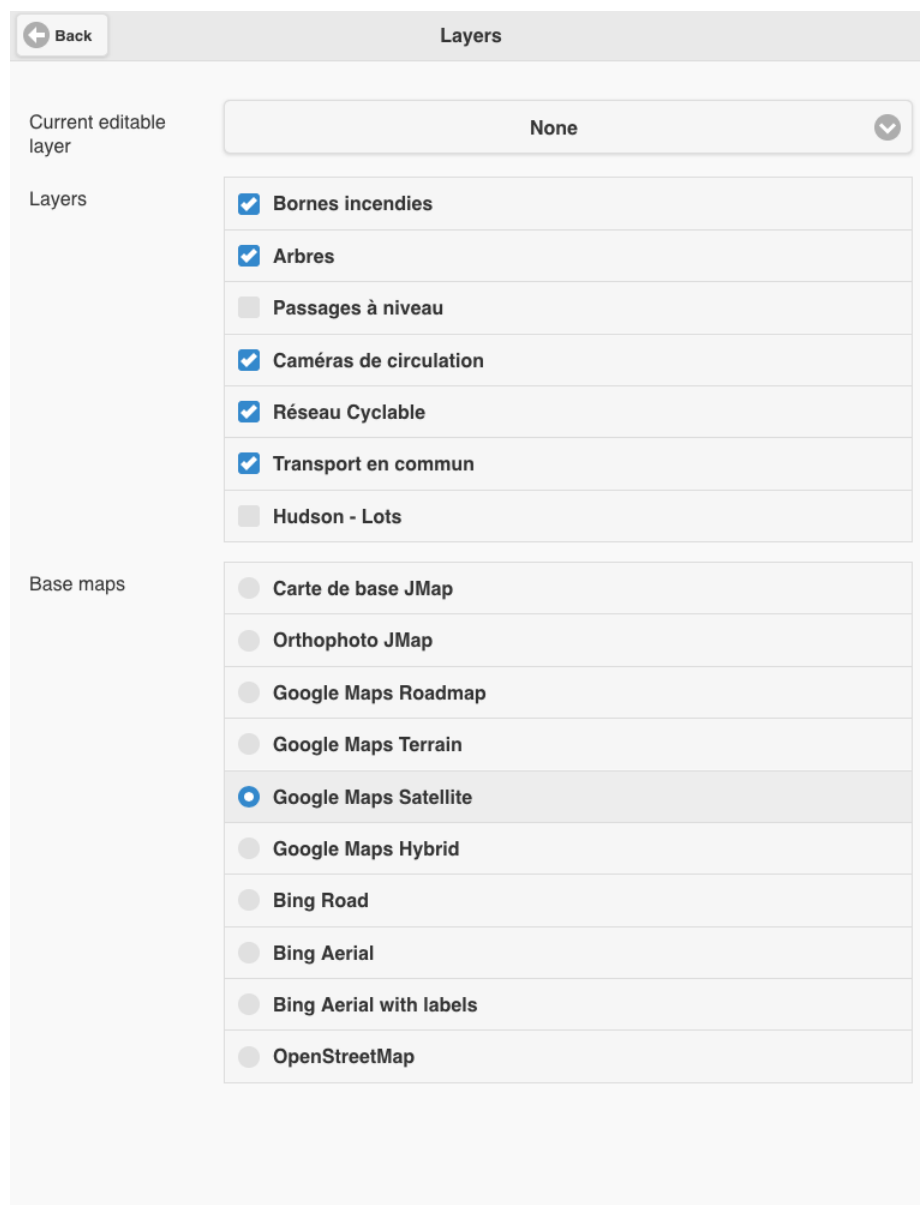
4.    Touch **Back** to return to the map interface. The data you selected will be displayed.
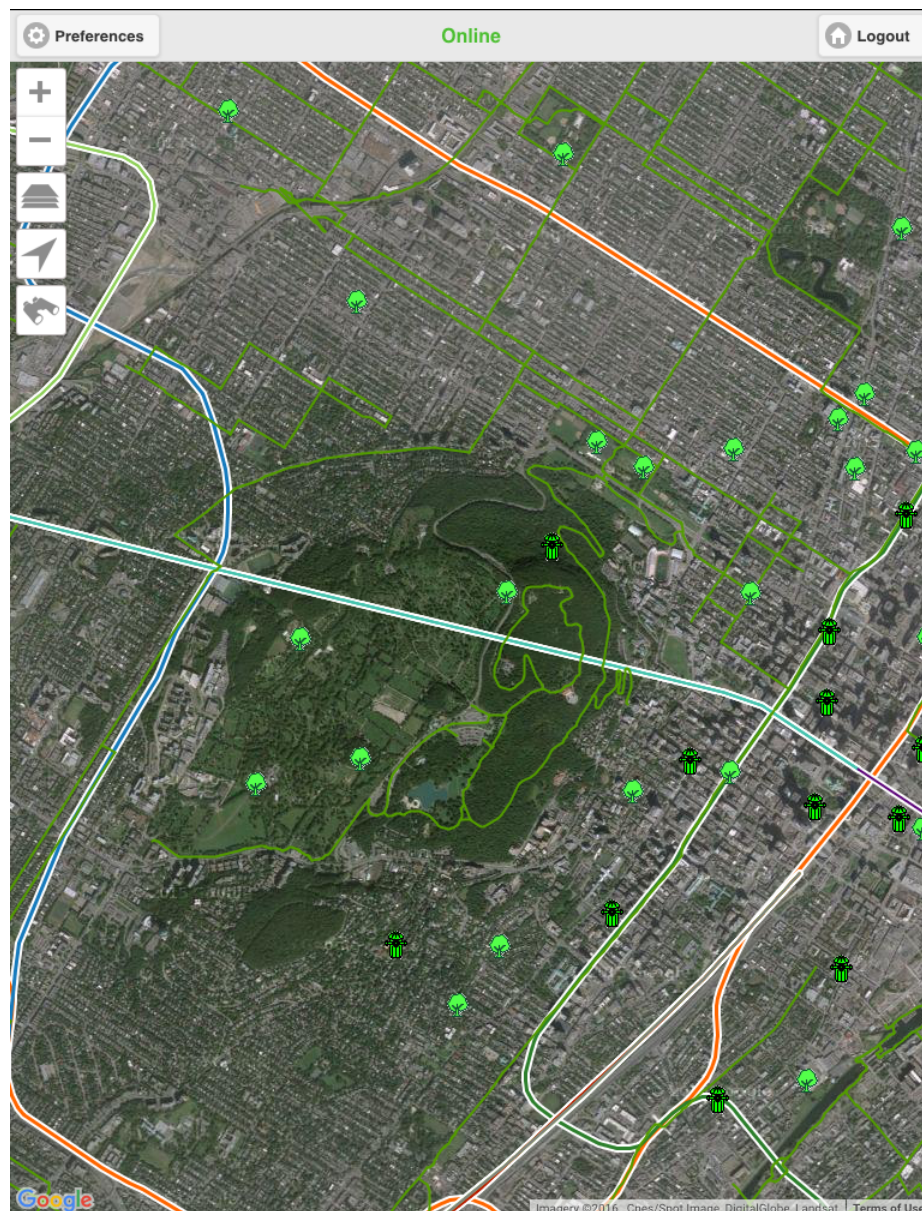
Some layers may be configured to be displayed within specific map scale intervals. They may not be visible at the map's current scale. You can change the scale (using your fingers or the ✛ and ▬ zoom tools) to display these elements. Your JMap administrator will give you the specifics of the layers.

To display mouseover bubbles:

1. Touch an element on the screen. Its mouseover bubble displays.

2.  Touch ☒ to close the mouseover bubble, or touch another element on the same layer or in another layer to display its mouseover bubble. The current mouseover bubble will close.
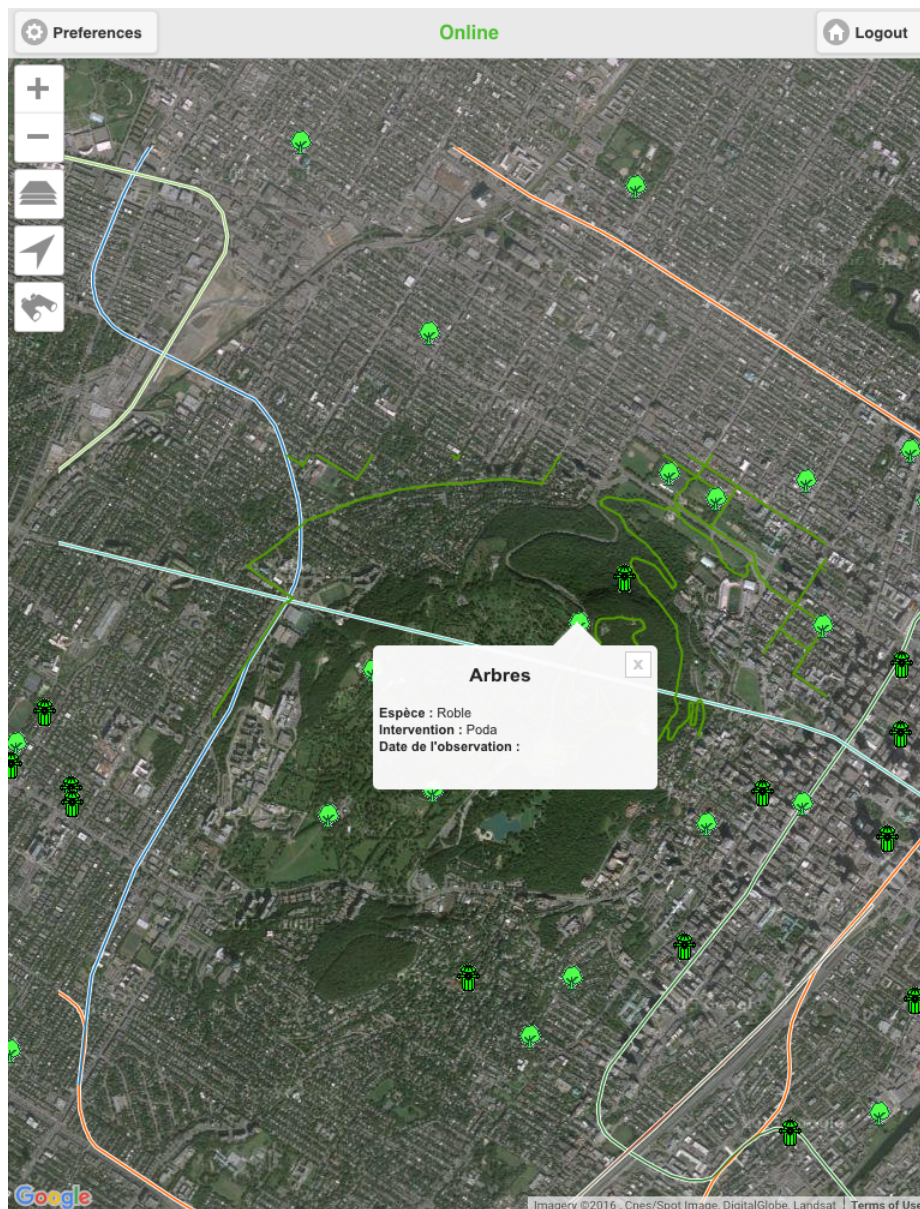
# Performing Queries

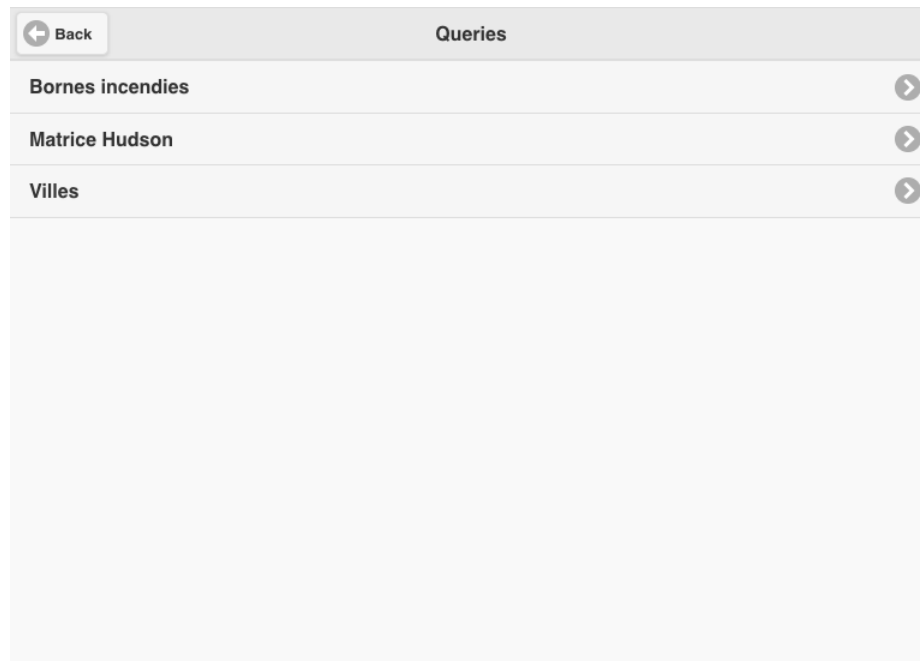You can select layer elements based on their attributes by performing queries. These are configured by your JMap administrator.

To perform a query:

1. Touch the ⬚ icon. The **Queries** interface displays with the list of available queries.



| Back | Queries | |
|---|---|---|
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| Villes | | ❯ |

2. Touch the arrow ❯ of the desired query. The query form displays.

3.   Touch the arrow  to display the drop-down menu of values for each attribute. Select the desired values.

    You can only select values for certain attributes. For some of these, you can select more than one value.

4.   Touch *Submit* to send the query form to JMap Server. The map interface displays after a few moments.

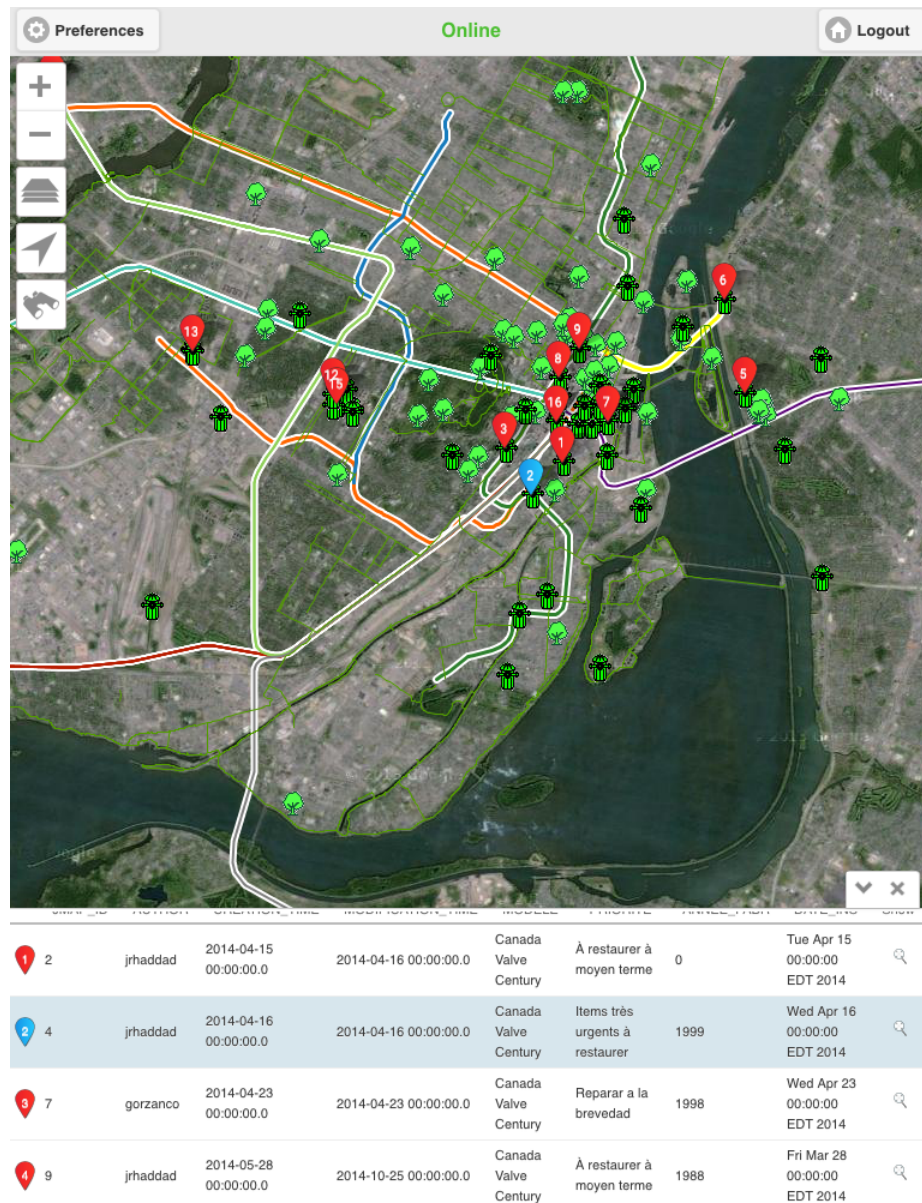| | JMAP_ID | AUTHOR | CREATION_TIME | MODIFICATION_TIME | MODELE | PRIORITE | ANNEE_FABR | DATE_INS | Show |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | jrhaddad | 2014-04-15 00:00:00.0 | 2014-04-16 00:00:00.0 | Canada Valve Century | À restaurer à moyen terme | 0 | Tue Apr 15 00:00:00 EDT 2014 | |
| 2 | 4 | jrhaddad | 2014-04-16 00:00:00.0 | 2014-04-16 00:00:00.0 | Canada Valve Century | Items très urgents à restaurer | 1999 | Wed Apr 16 00:00:00 EDT 2014 | |
| 3 | 7 | gorzanco | 2014-04-23 00:00:00.0 | 2014-04-23 00:00:00.0 | Canada Valve Century | Reparar a la brevedad | 1998 | Wed Apr 23 00:00:00 EDT 2014 | |
| 4 | 9 | jrhaddad | 2014-05-28 00:00:00.0 | 2014-10-25 00:00:00.0 | Canada Valve | À restaurer à moyen terme | 1988 | Fri Mar 28 00:00:00 | |

**1** The elements retrieved by the query are centered in the map interface. Numbered markers are used to identify the elements.

**2** The selection explorer shows the elements retrieved by the search in rows and their attributes organized into columns.

5. Touch to hide the selection explorer. Only the map interface is displayed, with the retrieved elements.
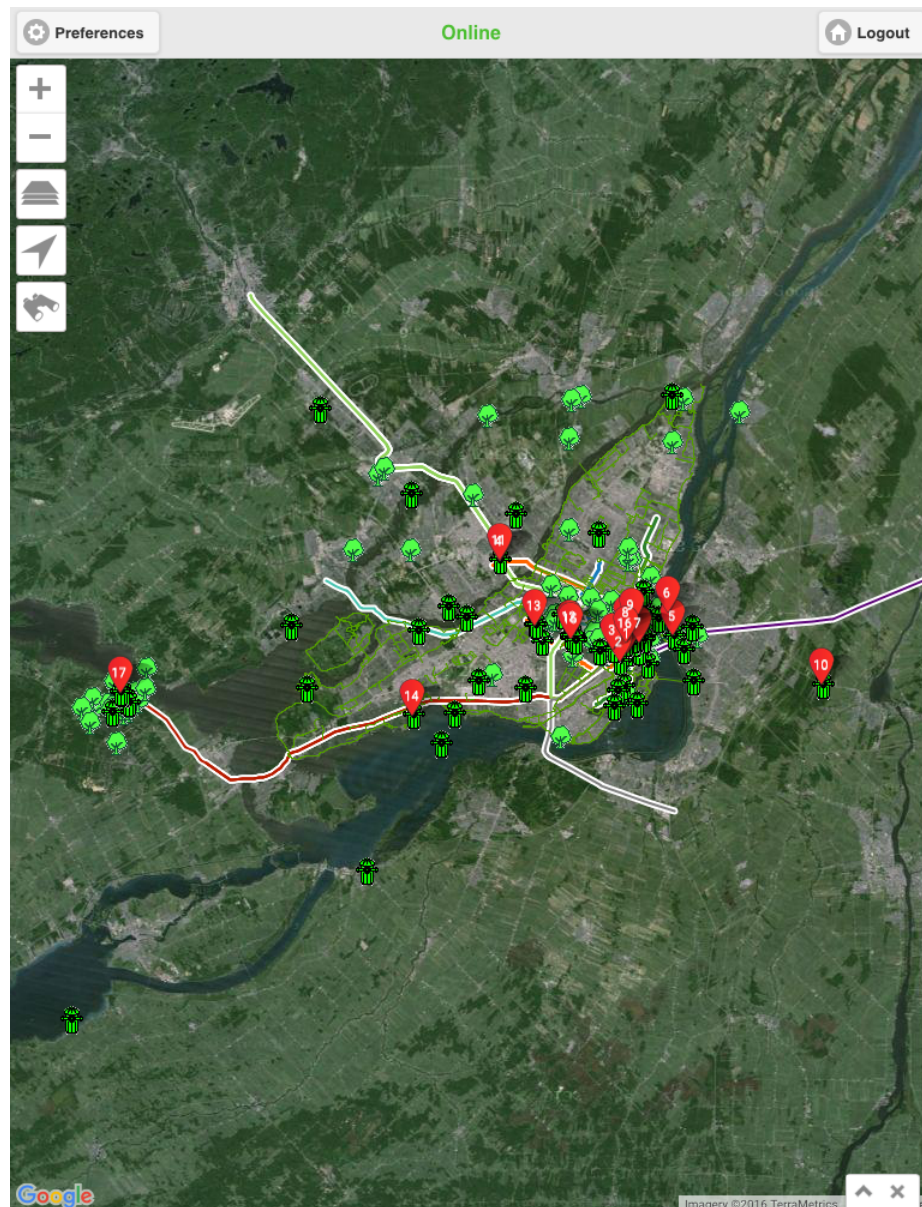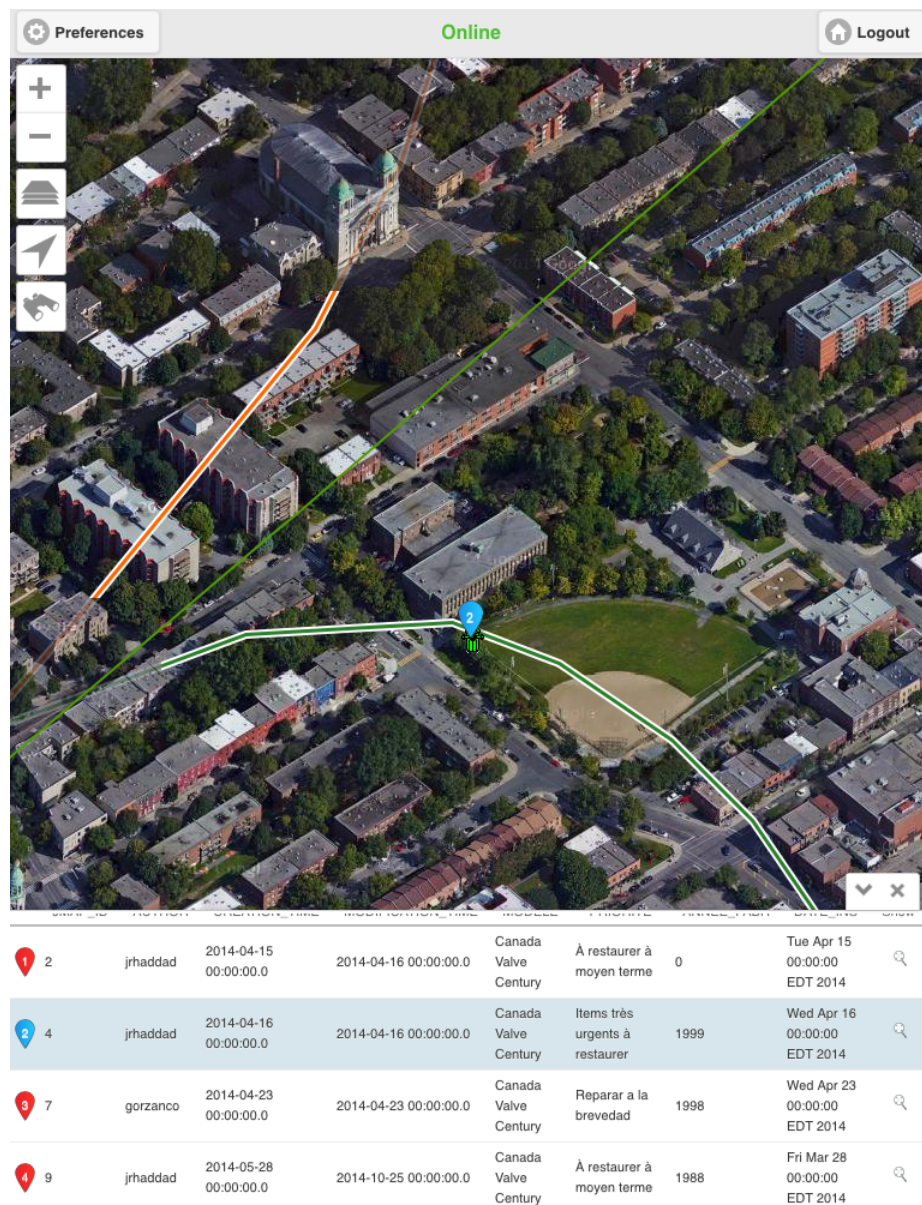
6.  Touch ⌃ to redisplay the selection explorer.

7.  Touch an element's row to select it. The red marker 📍 turns blue 📍, both on the map and in the explorer. In the explorer, the row of that element will turn blue.

| | | | | MODELE | PRIORITE | ANNEE_FAB | DATE_INS | |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | jrhaddad | 2014-04-15 00:00:00.0 | 2014-04-16 00:00:00.0 | Canada Valve Century | À restaurer à moyen terme | 0 | Tue Apr 15 00:00:00 EDT 2014 | 🔍 |
| 2 | 4 | jrhaddad | 2014-04-16 00:00:00.0 | 2014-04-16 00:00:00.0 | Canada Valve Century | Items très urgents à restaurer | 1999 | Wed Apr 16 00:00:00 EDT 2014 | 🔍 |
| 3 | 7 | gorzanco | 2014-04-23 00:00:00.0 | 2014-04-23 00:00:00.0 | Canada Valve Century | Reparar a la brevedad | 1998 | Wed Apr 23 00:00:00 EDT 2014 | 🔍 |
| 4 | 9 | jrhaddad | 2014-05-28 00:00:00.0 | 2014-10-25 00:00:00.0 | Canada Valve Century | À restaurer à moyen terme | 1988 | Fri Mar 28 00:00:00 EDT 2014 | 🔍 |

You can select several elements at the same time.

8.    Touch the icon 🔍 in an element's row to center that element in the map.

| | | | | | Canada Valve Century | À restaurer à moyen terme | 0 | Tue Apr 15 00:00:00 EDT 2014 | |
| 1 | 2 | jrhaddad | 2014-04-15 00:00:00.0 | 2014-04-16 00:00:00.0 | | | | | |
| 2 | 4 | jrhaddad | 2014-04-16 00:00:00.0 | 2014-04-16 00:00:00.0 | Canada Valve Century | Items très urgents à restaurer | 1999 | Wed Apr 16 00:00:00 EDT 2014 | |
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9. Touch ✖ to clear the query results. The selection explorer and the markers in the map interface all disappear. The map interface stays in the same view.
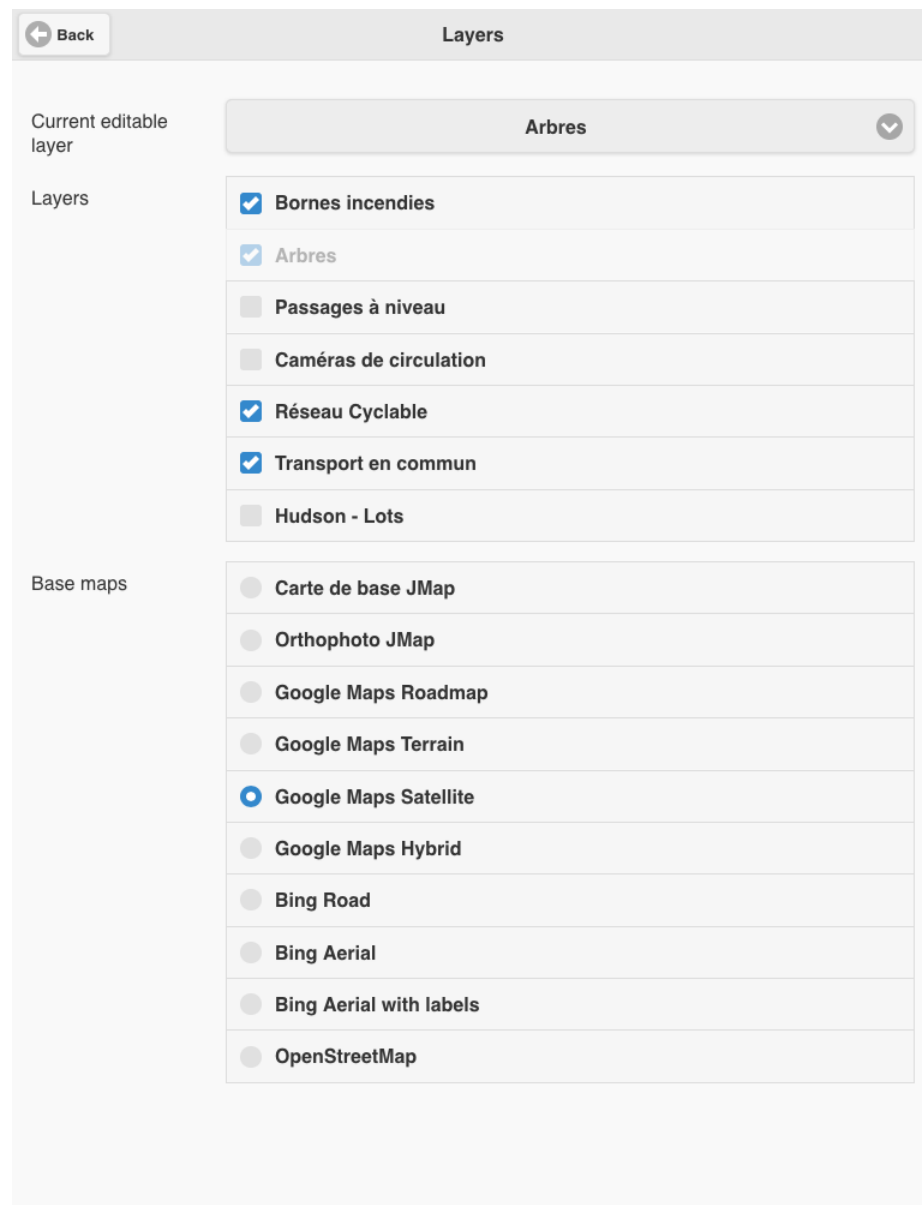
# Editing Data

Some layers in the application are editable, which means that users who have the appropriate permissions can create new elements in the layer or they can modify or delete existing elements. If you are working in online mode, these changes are saved in real time in JMap Server. If you are working in offline mode, without an Internet connection, changes are saved in your mobile device and sent to JMap Server when an Internet connection becomes available.
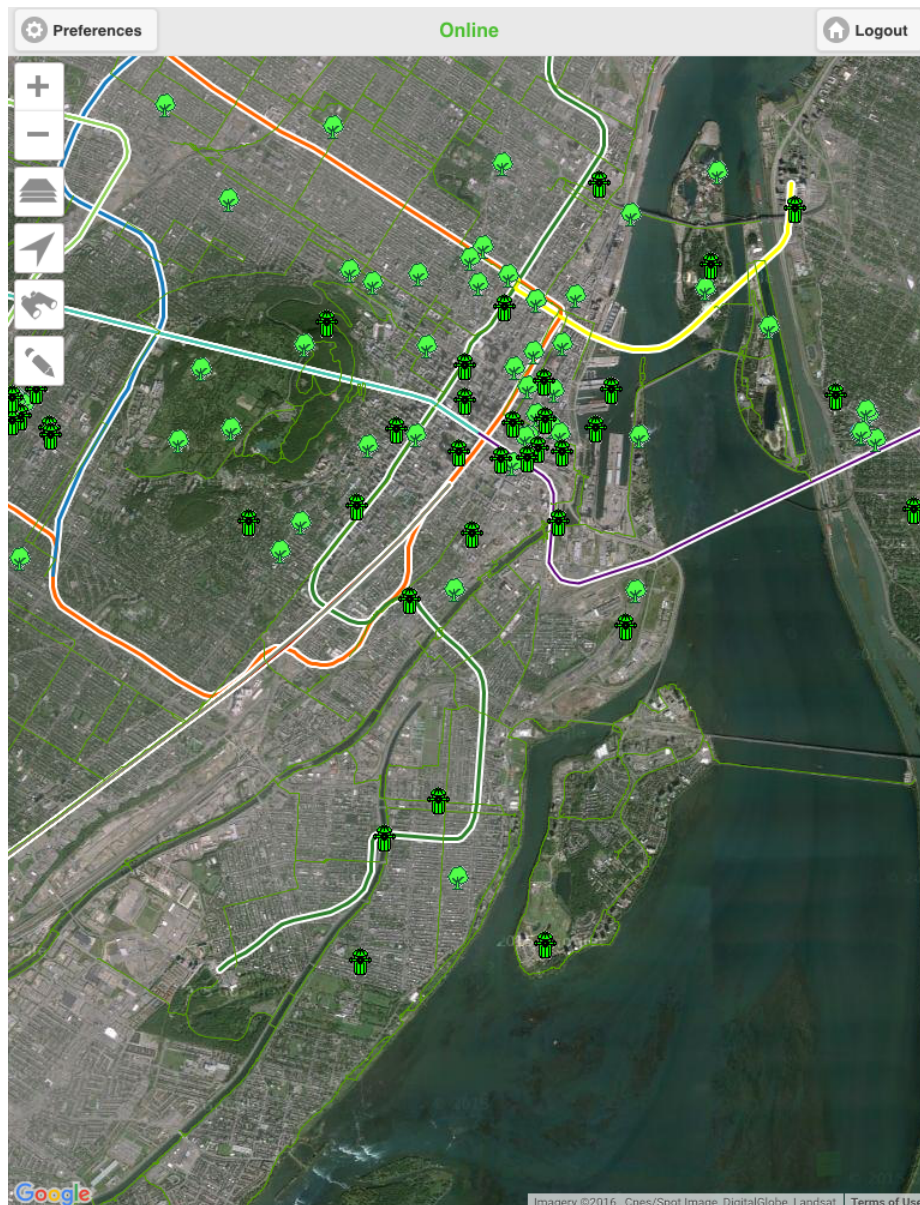
To edit a layer's elements:

1.  Touch ▇ to display the *Layers* menu.

2.  Touch the down arrow ⌄ of the *Current editable layer* field. The list of editable layers is displayed.
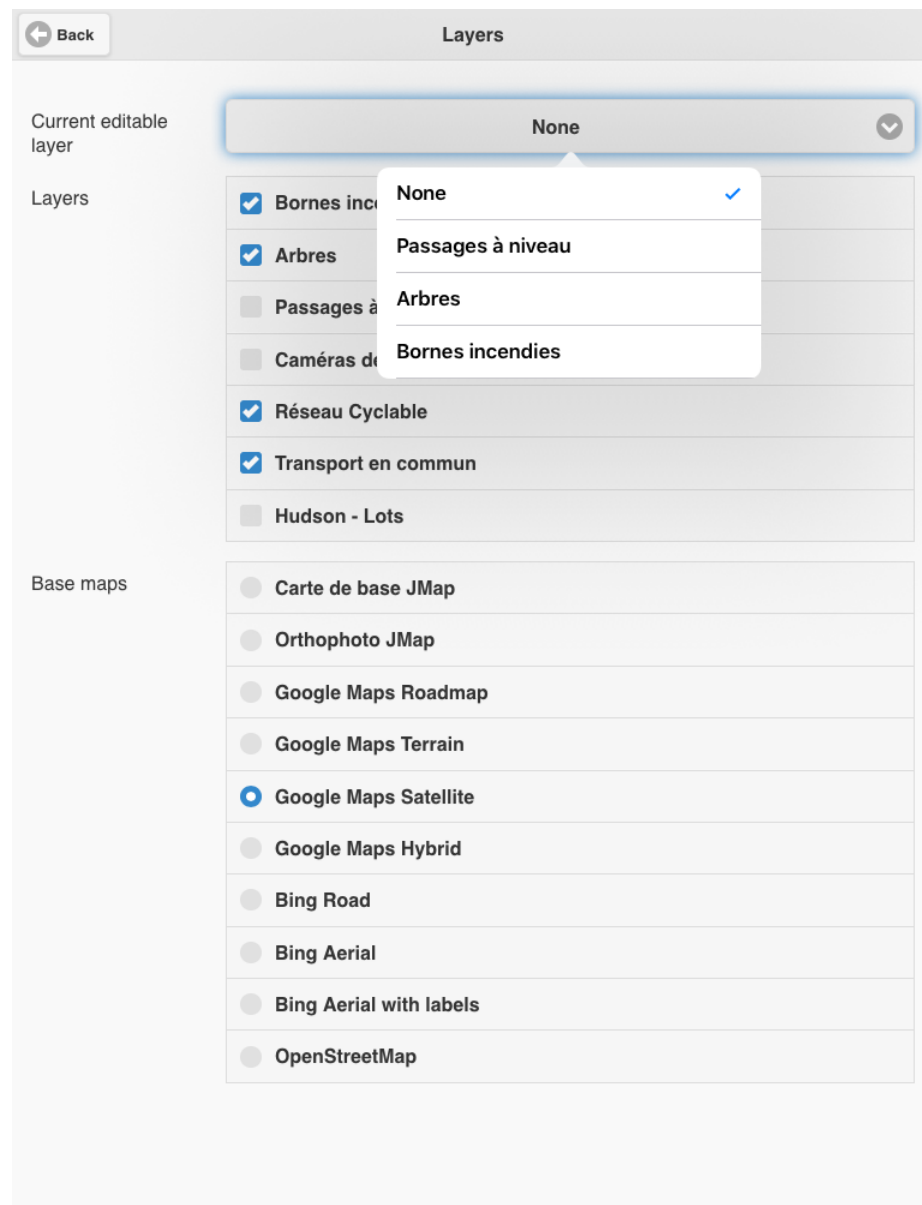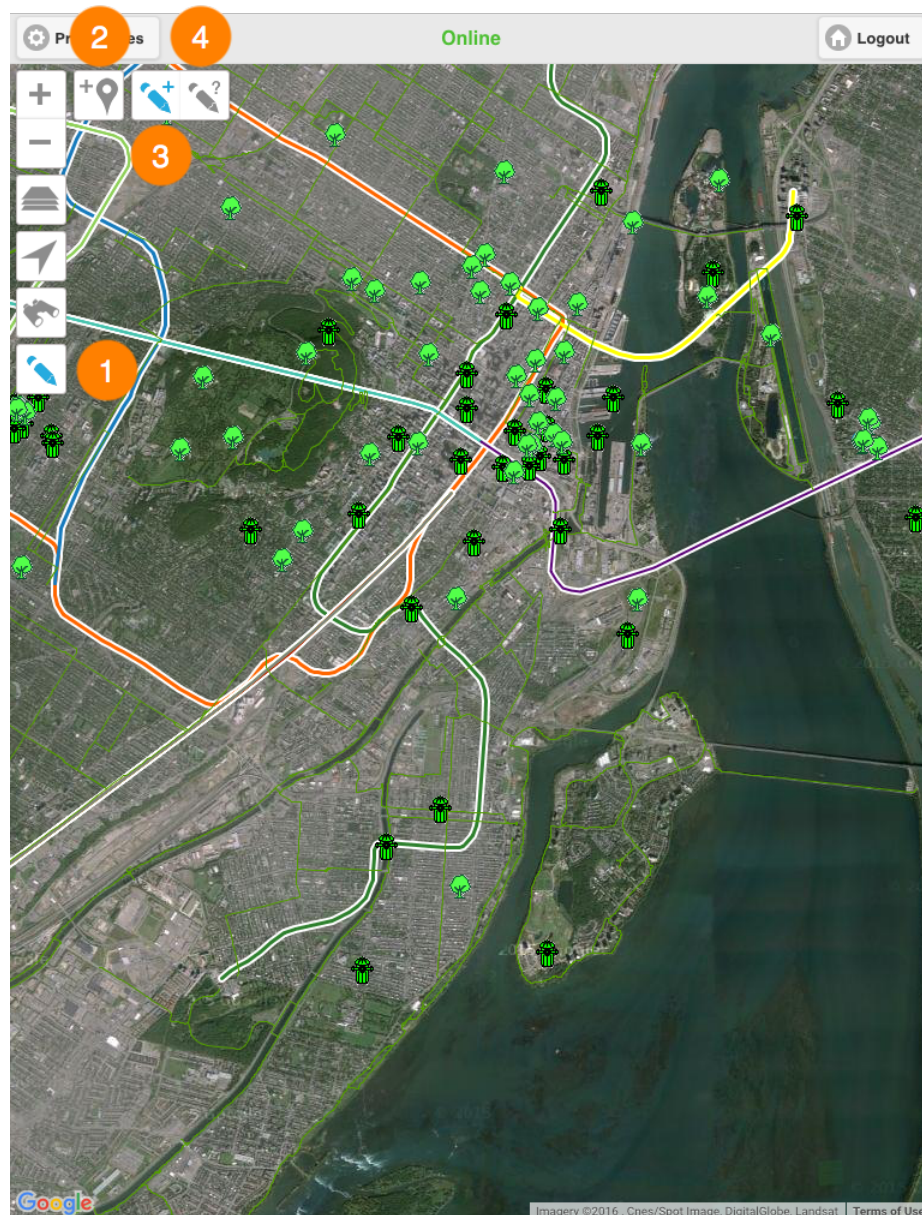
3.   Select the layer you wish to edit.

4.   Touch *Back* to return to the map interface. The pencil icon ✎ displays.

5.    Touch the pencil icon ✎ to access the editing tools. The editing menu displays and the icon turns blue ✎.

1    This icon allows you to enable and disable the data editing function.

2    This tool allows you to create an element with the mobile device's geographic coordinates.

3    This tool allows you to create an element by touching the map interface.

4    This tool allows you to modify attribute values or delete an existing element.

## Creating a new element

There are two ways to create a new element: by locating it directly on the map or by using the mobile device's location function.

### Creating an element by locating it on the map

You must enable the ✎ tool by touching it. When enabled, the icon will turn blue ✎ .

1.  Touch the position where you want the new element to be located. A form displays, allowing you to enter the element's attribute values.

**1** The form may have several sections to make it more ergonomic.

**2** Attribute values can be entered by selecting one or more options in drop-down menus, by entering data in a specific field or by using a calendar.

Some attributes may be required; you must specify a value for these or you will not be able to submit the form.

**3** You can take one or more pictures with your mobile device's camera.

> **4**      These buttons allow you to send the form to JMap Server or cancel it.

2. Fill out the form.

3. Touch *Save* to save the information. You will be brought back to the map interface.

4. Repeat the previous steps to create another element.

5. Touch the ⬛ icon to disable the tool. The icon turns back to grey ⬛.

6. Touch the ⬛ icon to disable the data editing function. The icon turns back to grey ⬛.

## Creating an element by locating it with the mobile device

1. Touch the ⬛ icon to enable the tool. A form displays, allowing you to enter the element's attribute values.

**1**     The form may have several sections to make it more ergonomic.

**2**     Attribute values can be entered by selecting one or more options in drop-down menus, by entering data in a specific field or by using a calendar.

        Some attributes may be required; you must specify a value for these or you will not be able to submit the form.

**3**     You can take one or more pictures with your mobile device's camera.

**4**    These buttons allow you to send the form to JMap Server or cancel it.

2.    Fill out the form.

3.    Touch *Save* to save the information. You will be brought back to the map interface.

4.    Repeat the previous steps to create another element.

5.    Touch the  icon to disable the data editing function. The icon turns back to grey .

## Modifying or deleting an element

1.    Touch the  icon to enable the tool. The icon turns back to blue .

2.    Touch the element you wish to modify or delete. The element's attribute form displays.

**1**    The form contains values for the attributes you can modify.

**2**    You can take pictures with your mobile device's camera.

**3**    You can delete the element.

**4**    These buttons allow you to send the form to JMap Server or cancel it.

3.   Modify the attribute values.

4.   Touch *Delete* to delete the element.

5. Touch *Save* to save the information. You are redirected to the map interface.

6. Repeat the previous steps to edit or delete another element.

7. Touch the icon to disable the data editing function. The icon turns back to grey .

# Preferences

This interface allows you to configure settings regarding data and transactions management, application addresses, and the mode in which you want to work. To access it:

1. Touch the *Preferences* button in the application's main interface. The Preferences interface displays.
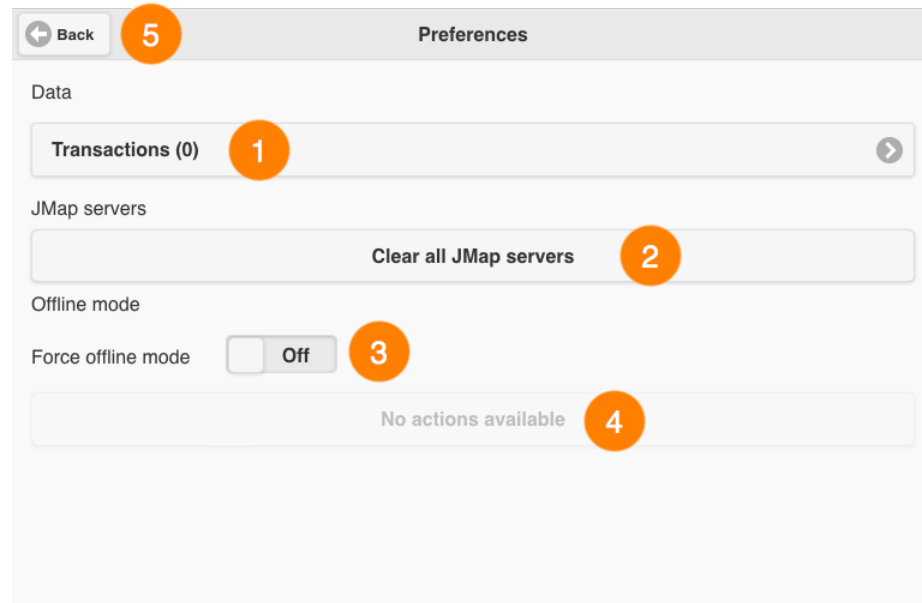


| 1 | This menu allows you to manage transactions between the application and the JMap Server of the editable layers. |
|---|---|
| 2 | This button allows you to clear the list of applications that appears in the login interface. |
|   | Touch the button. The login interface's list of available applications is cleared. |
| 3 | This button allows you to force the application to work in offline mode, even when a network is available. |
|   | Slide the button to enable the function. |
| 4 | Displays the application's current transactions. |
| 5 | The *Back* button allows you to return to the application's main interface. |

2. Touch the arrow ➲ to access the data *Transactions* . The *Transactions* interface displays.
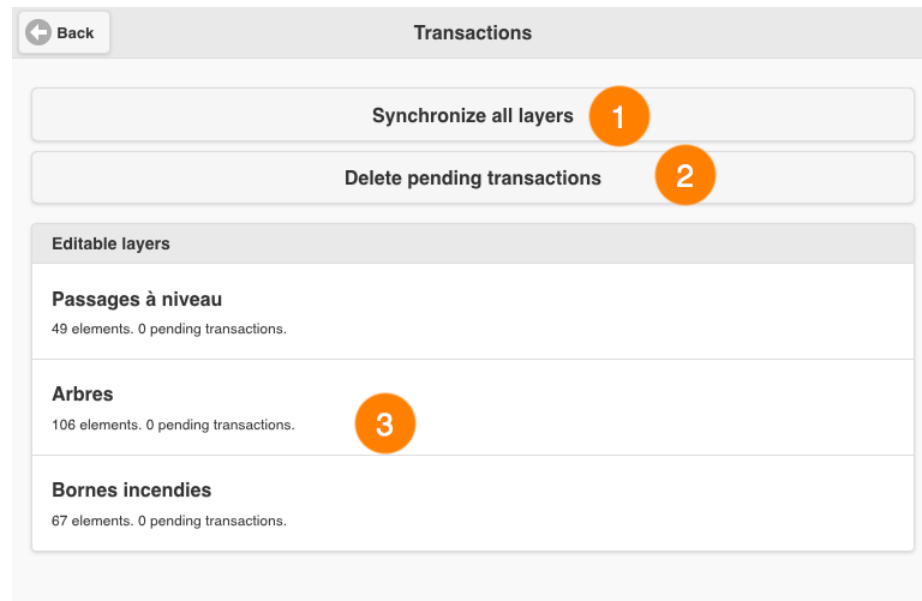
**1**    This button allows you to synchronize all layers between the JMap Mobile application and the JMap Server.

If you are working in offline mode, any changes made to the editable layers will be transferred to the JMap Server when a network connection becomes available; at that moment, the application will also receive any changes made by other users from the JMap Server.

Touch this button to synchronize the editable layers with the JMap Server.

**2**    This button allows you to delete transactions that are pending between the mobile application and the JMap Server.

**3**    Displays editable layers, with the number of elements they contain and pending transactions.

# 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.

### On the web

You can visit our website k2geospatial.com for more information on our products or for technical support.

### By email

Technical support: support@k2geospatial.com

Sales: sales@k2geospatial.com

### Our street address is:

K2 Geospatial
740 Notre-Dame Street West, Suite 1260
Montréal, QC H3C 3X6
Canada