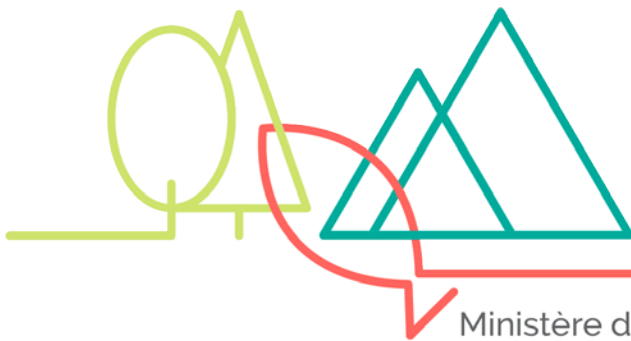


# ForêtOUverte

Interactive map of ecoforest data... and much more!



Ministère des Forêts, de la Faune et des Parcs

## User's Guide to *Forêt ouverte*

June 2020

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## *Forêt ouverte's* New Interface

In 2017, the ministère des Forêts, de la Faune et des Parcs committed to offering free and up-to-date data to its external clients. This openness is part of Québec's commitment to be an open government, with the objective of promoting transparency and accessibility to data. The interactive Web map of ecoforest data of the Direction des inventaires forestiers (DIF) facilitates access to free data and makes it possible to explore this data without having to use specialized geomatics software. The interactive Web map of ecoforest data produced by the DIF has, since April 2019, become *Forêt ouverte*. This new name better represents the interactive map's content.

*Forêt ouverte* is supported by the 2<sup>nd</sup> version of the [Open GIS Infrastructure](#) (IGO2), an open geomatics Web solution which respects open international standards. IGO2 was recognised as the first open geomatics Web solution of the Québec's public administration. Based on collaborative development, IGO2 is constantly improved for the benefit of its users. Already, a new version exists as of December 2019, allowing for an improved visual experience, and the addition of new functions will be made regularly throughout 2020.

To access *Forêt ouverte* :

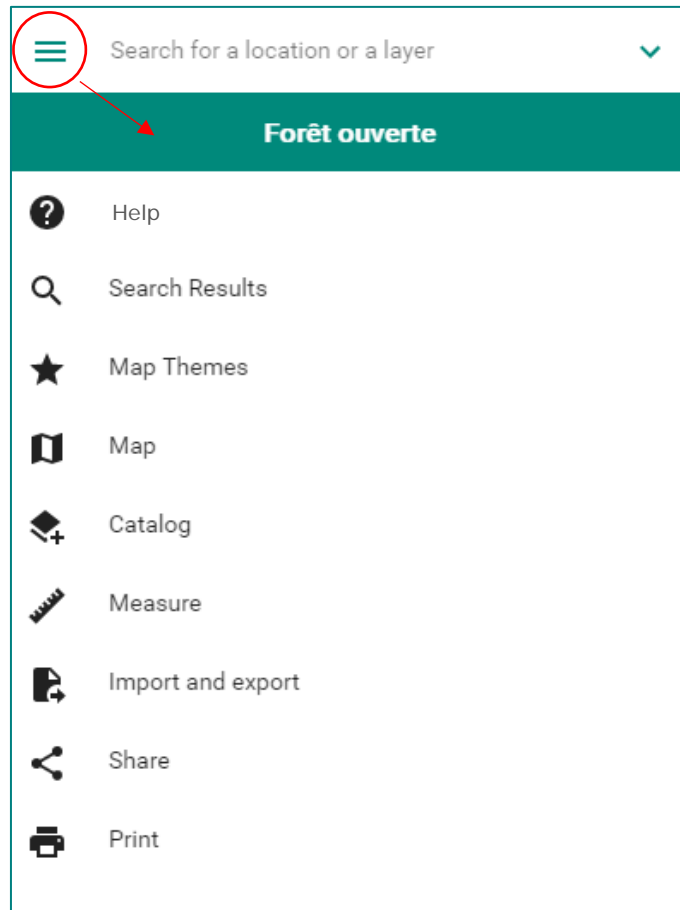
<https://www.foretouverte.gouv.qc.ca>

Click on the image below to access a short [tutorial](#) which will help you understand the basics of the interactive map and greatly improve your first experience of *Forêt ouverte*.



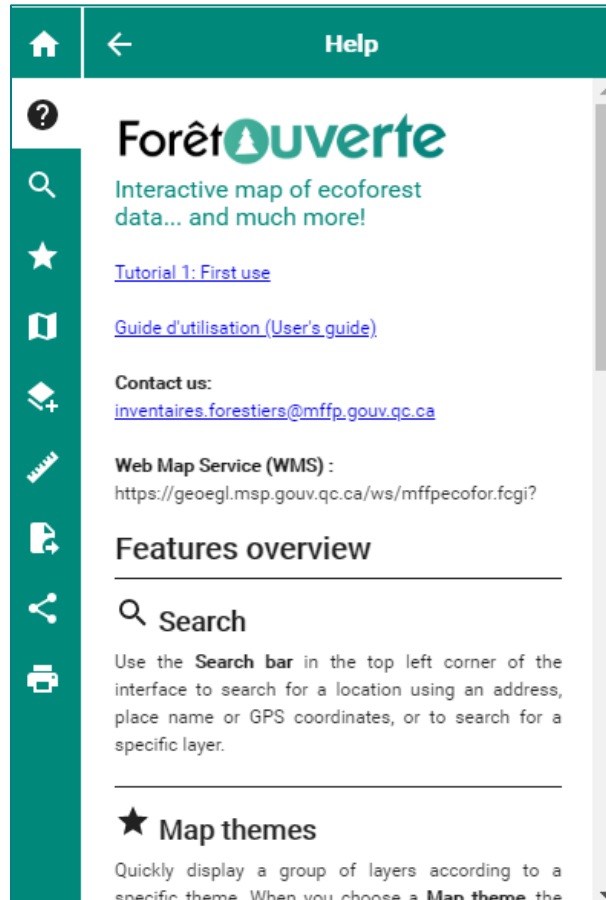
## Main Menu Features

Click the Main Menu icon on the upper left corner of the interactive map to access all of the menu's features.



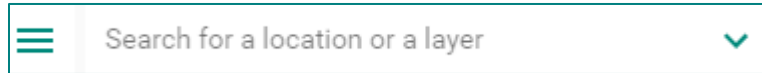
## Help

A brief description of all the features of the interactive map is found in the **Help** section as well as links to a short [tutorial](#) guiding first users, to [Forêt ouverte's User Guide](#), to the [Direction des inventaires forestiers](#) (DIF) email (for any questions or comments), and to the URL to the DIF's Web mapping service (WMS).

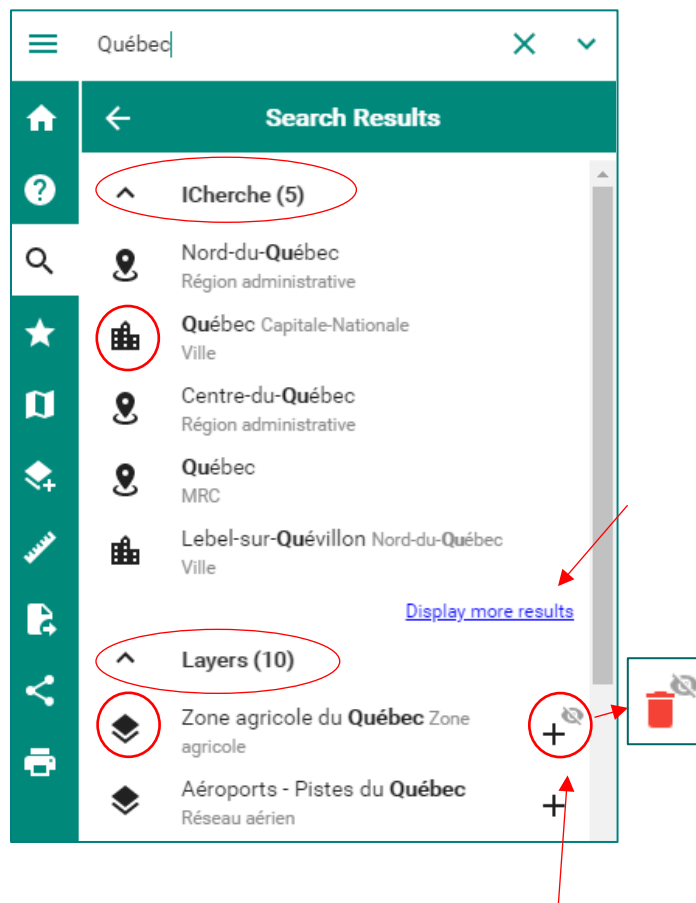


## Search Results

In the top left corner of the interface is the **Search bar** which allows you to search for a place using an address, location, or GPS coordinates. This tool can also be used to search for a specific layer.



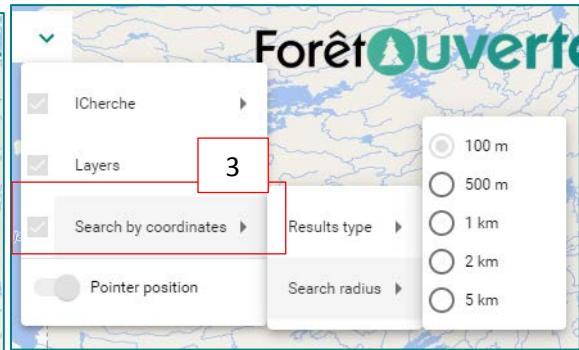
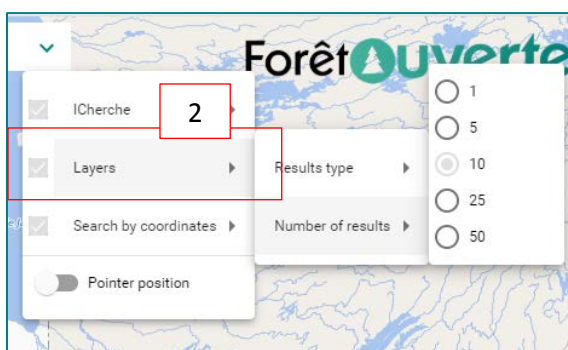
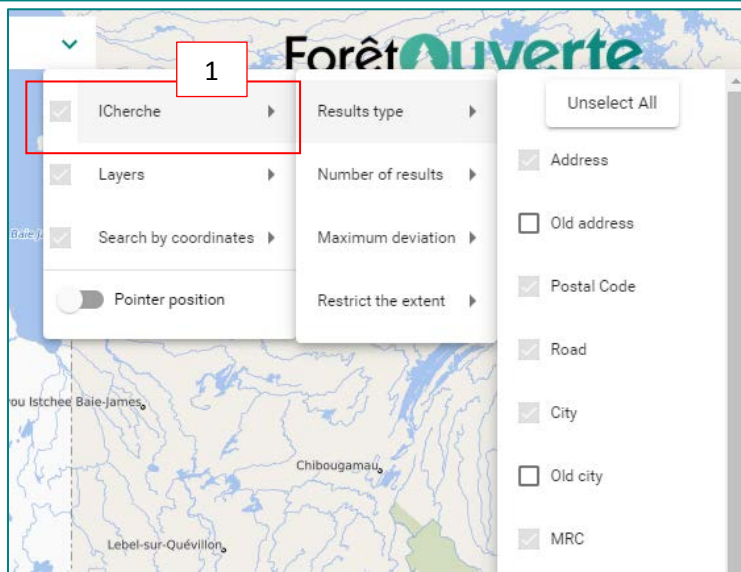
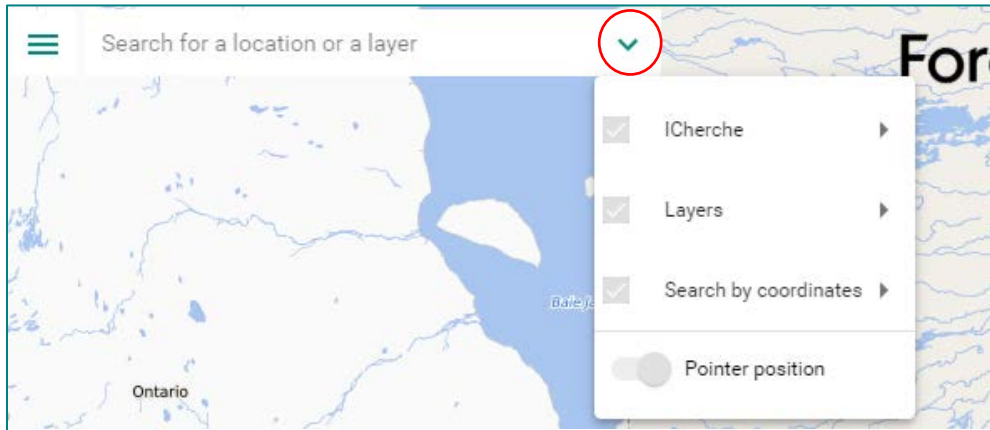
First, type the place or name of a layer in the **Search bar**, for example, “Québec”. The search results are displayed underneath. Different icons are used to distinguish the type of search results, for example a city, a lake, a mountain, etc., found via the « iCherche » search engine or a layer. Click on “Display more results” if you do not see what you are looking for.



In order to add a layer to the map from the search results, click the **+** beside the layer name. The icon changes into a red garbage to show that the layer has been added to the map. A small grey eye above the red garbage indicates that the current display scale is too small to see the layer. Simply zoom in and the layer will appear. Click the [Map feature](#) to consult the display options, or visit the [Layer Display Scale and Zoom](#) section of this guide.

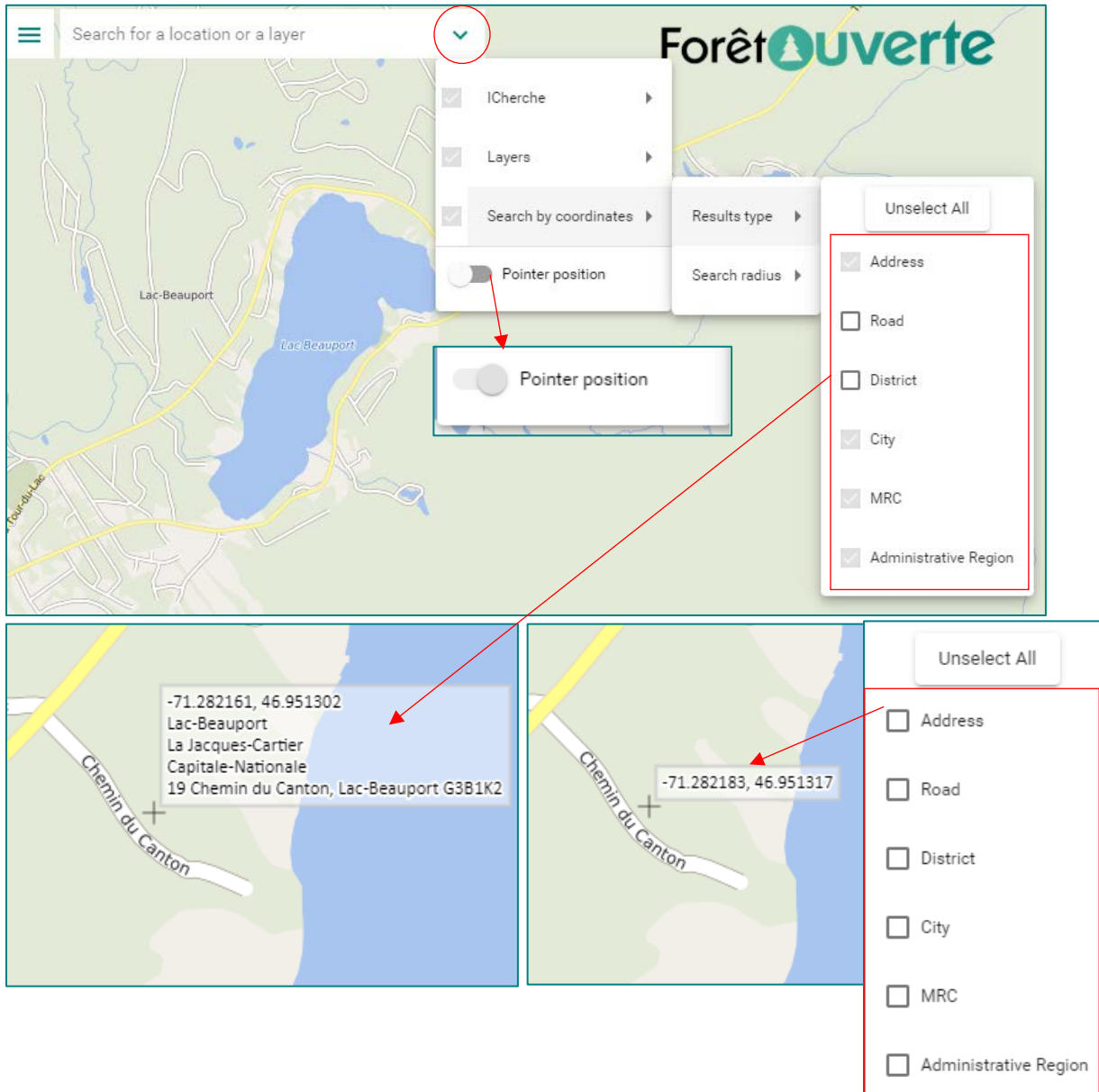
## Personalize search results

You can personalize your search results by clicking on the arrow on the right of the **Search bar** and selecting the type and quantity of results desired. For example, you can 1) select the type of results you want for the ICherche search engine; 2) select the number of results shown for the layers, or; 3) select the search radius for the search by coordinates.



## Pointer Position Options

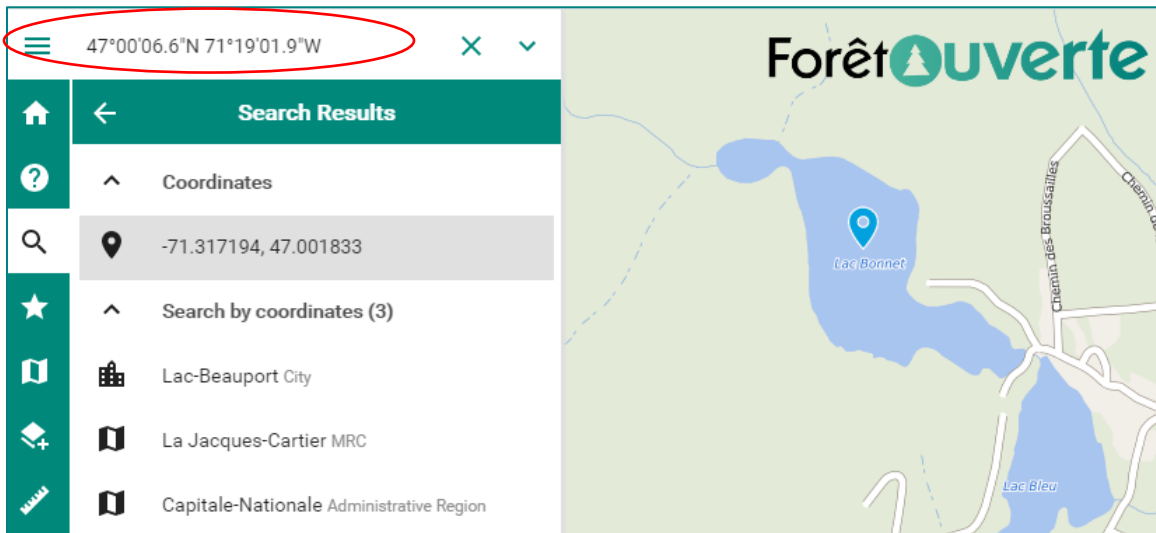
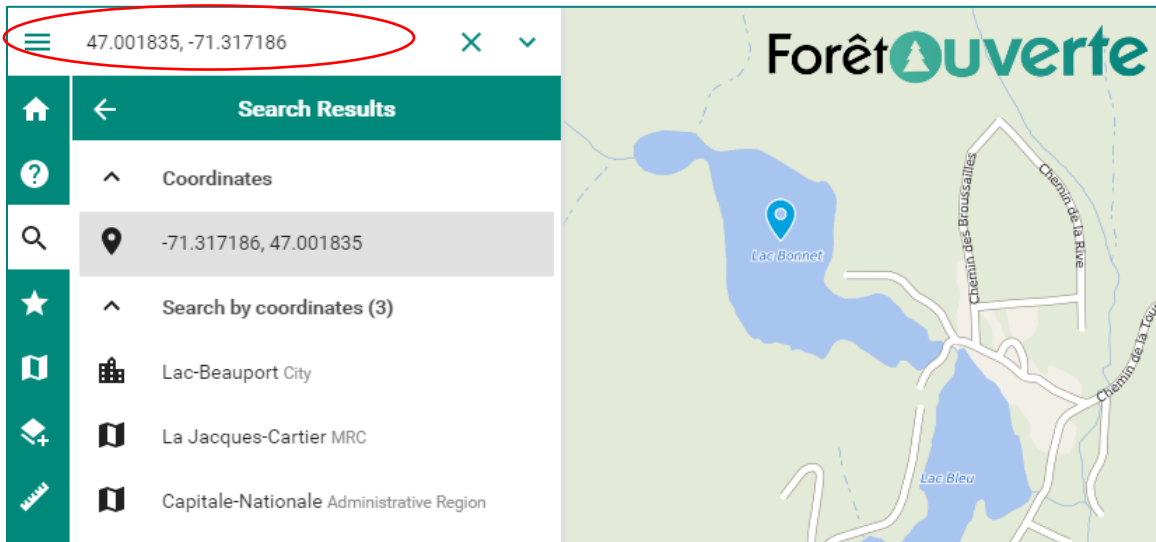
An option is available to activate a tooltip showing the mouse pointer coordinates. Click on the arrow on the right of the **Search bar** and slide the **Pointer position** button to the right. When activated, the coordinates of the mouse pointer as well as the other location properties that are selected in the **Result types** of the **Search by coordinates** option appear near the mouse pointer.



**Tip:** Use the F2 key to activate/deactivate the pointer position option.

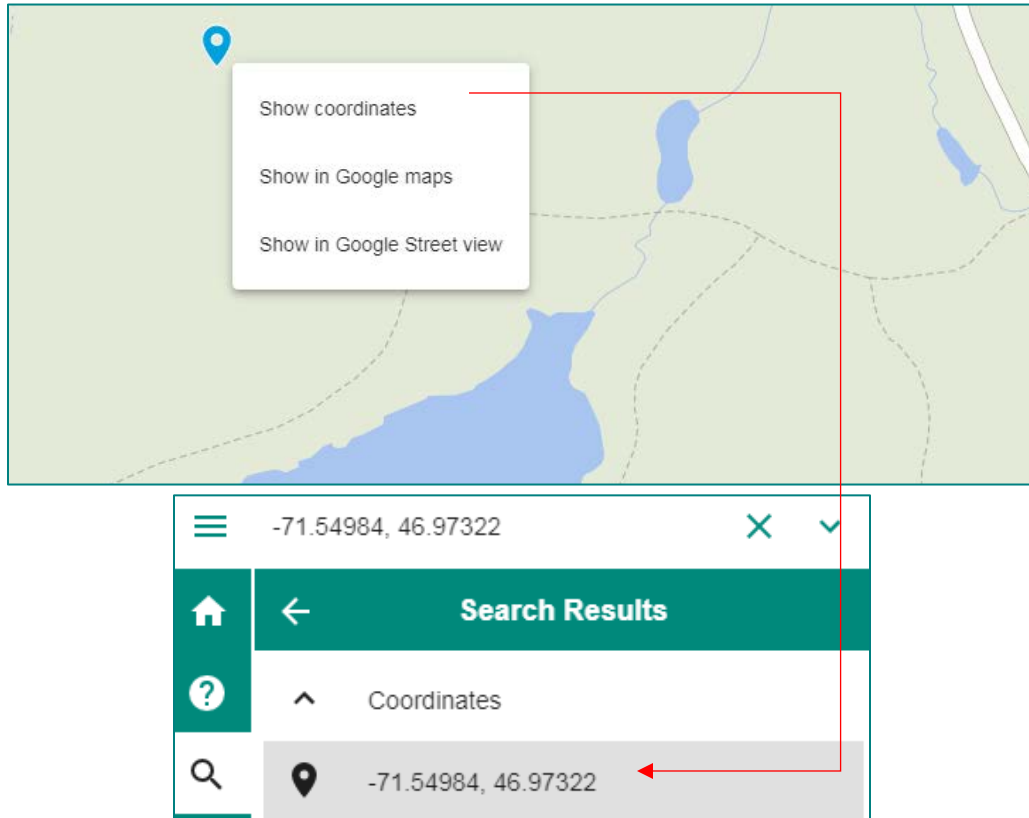
## Search by Coordinates

The search bar can also be used to locate specific coordinates on the map, either by using a decimal degrees format, in a geographical WGS 84 projection (EPSG : 4326) (e.g. 47.001835, -71.317186), or a degrees, minutes, seconds format (e.g. 47°00'06.6"N 71°19'01.9"W).



## Coordinates of a Point

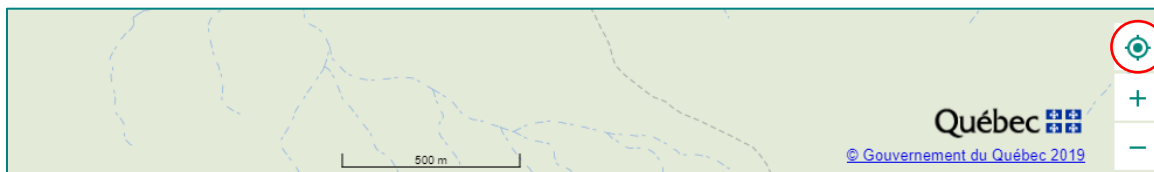
In order to identify the coordinates of a desired point on the map, right click on the desired point and choose **Show coordinates**. The coordinates will appear in the **Main Menu** window. The selected point can also be displayed in Google maps or Google street view.



**Tip :** Copy the coordinates of a point for later use by [coordinate search](#). It is also possible to save the display scale through map sharing. Consult the [Share](#) section of this guide for more information.


## GPS Location


It is possible to find your current location using the **GPS location tool** found at the bottom right of the screen. This option allows you to center the map on your actual location.

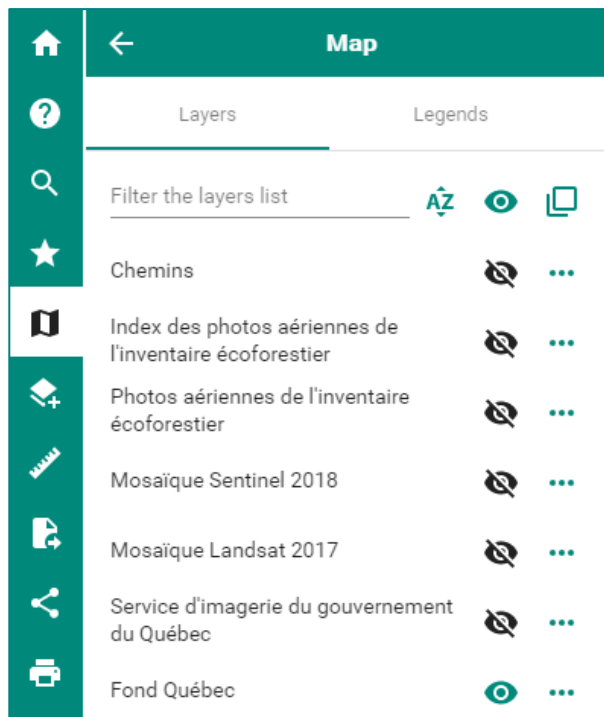


## Map

The **Map** feature is the heart of *Forêt ouverte*. This feature allows you to display the list of layers added to the map, view their legends, access their display options, remove them from the map as well as download them. Layers can be added to the **Map** feature using the **Catalog**, the **Search bar** or by choosing a theme in the **Map themes** feature.

By default, the **Map** feature comprises the following layers: “Chemins”, “Index des photos aériennes de l’inventaire écoforestier”, “Photos aériennes de l’inventaire écoforestier”, “Mosaïque Sentinel 2018”, “Mosaïque Landsat 2017”, “Service d’imagerie du gouvernement du Québec” and the “Fond Québec” basemap. By default, the basemap is the only visible layer .

To make the other layers visible, click on the  (the eye becomes green).



A shortcut at the bottom left of the screen allows you to quickly switch between the basemaps available in the chosen **Map theme**.



## Layer Display Options

1. Layer name

2. Display or hide the legend<sup>1</sup> by clicking the name of the layer. When the layer is visible (green eye), the legend is visible by default.

3. Display or hide the layer. The layer is visible when the eye is green.

4. Additional options for the layer

**New:** When you click on the "...", a new window appears below the list of layers, showing the options available for this layer.

5. Consult the [Données Québec](#) data factsheet

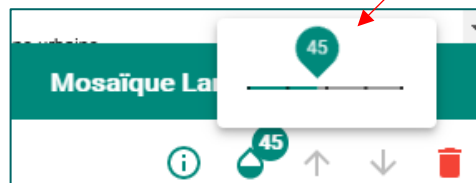
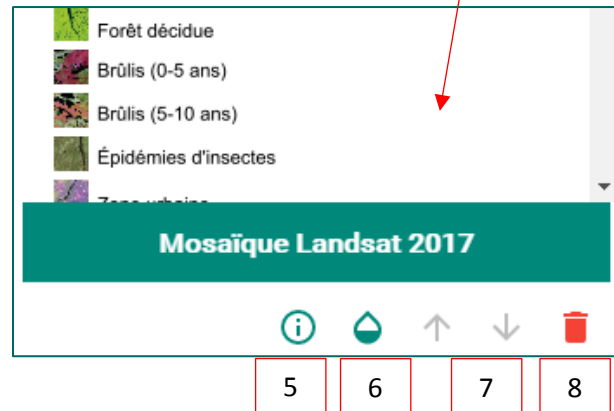
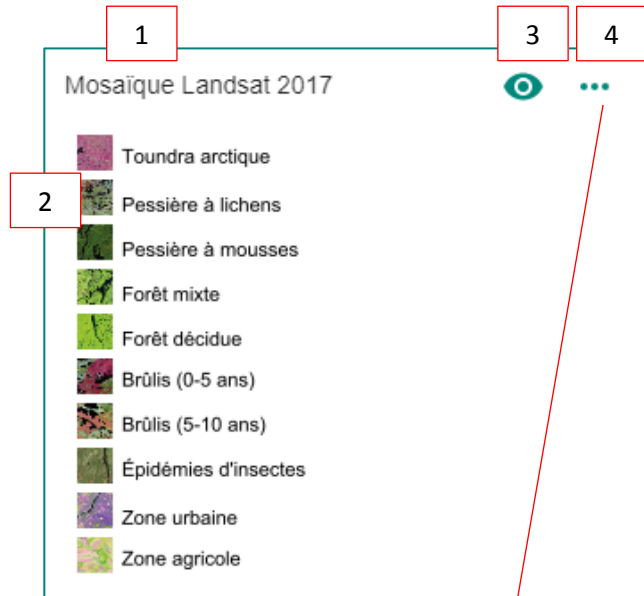
6. Change the transparency of the layer

7. Change the order of the layers

**Note:** It is not possible to move a layer defined as a basemap layer.

8. Remove the layer from the **Map**

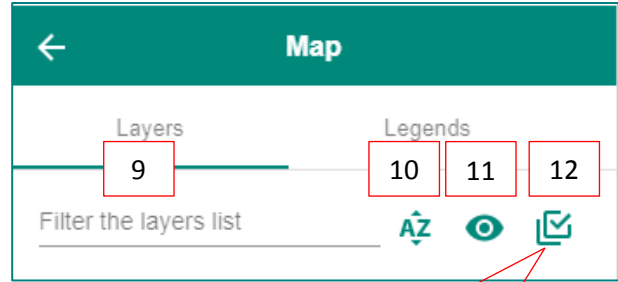
**Note:** It is not possible to move a layer defined as a basemap layer.



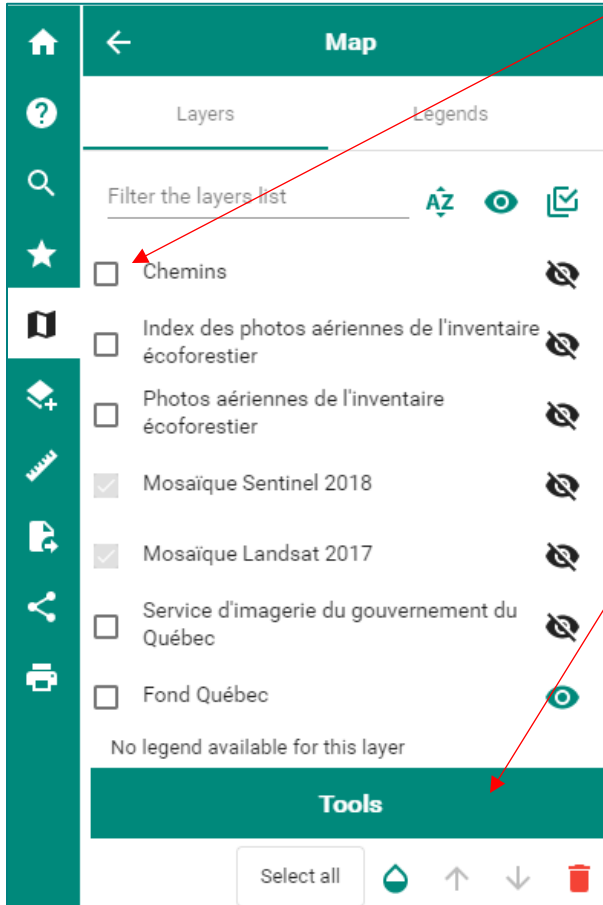
<sup>1</sup> The values of grouped fields for the legends of certain layers can be found in [Appendix 3](#).

## Filter the Layers in the Map feature

9. Search for layers within the **Map**
10. Sort the layers in alphabetical order
11. Show only the visible (green eye) layers
12. Activate the multiple selection mode

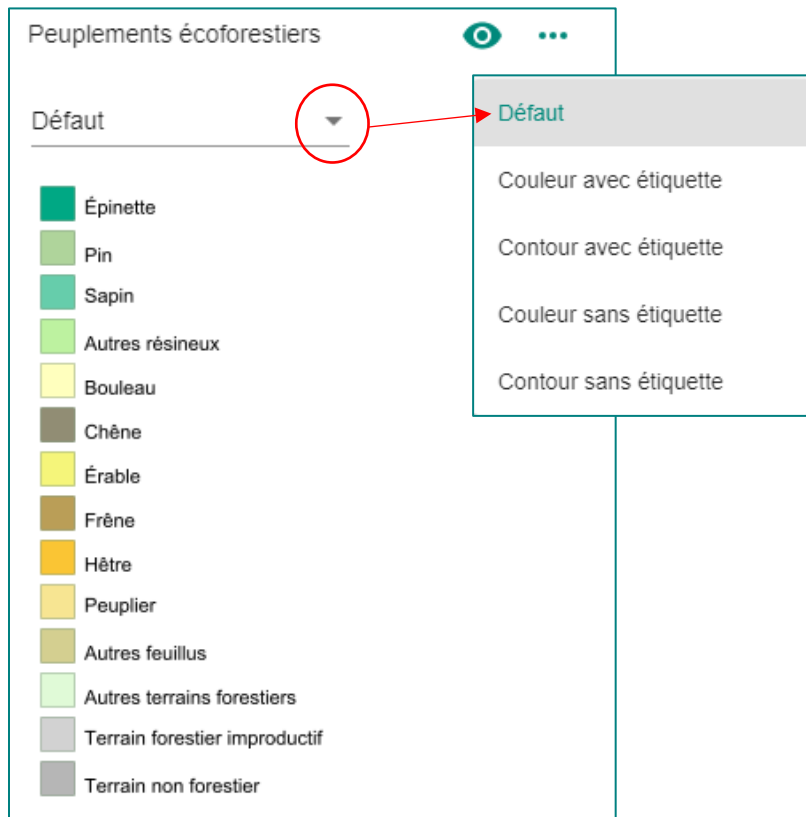


**New:** The multiple selection mode can be used to apply layer options to multiple layers at once: change the transparency and the order of the layers or remove multiple layers. Simply click on the square that appears to the left of the layer's name when the mode is activated to select the desired layers.

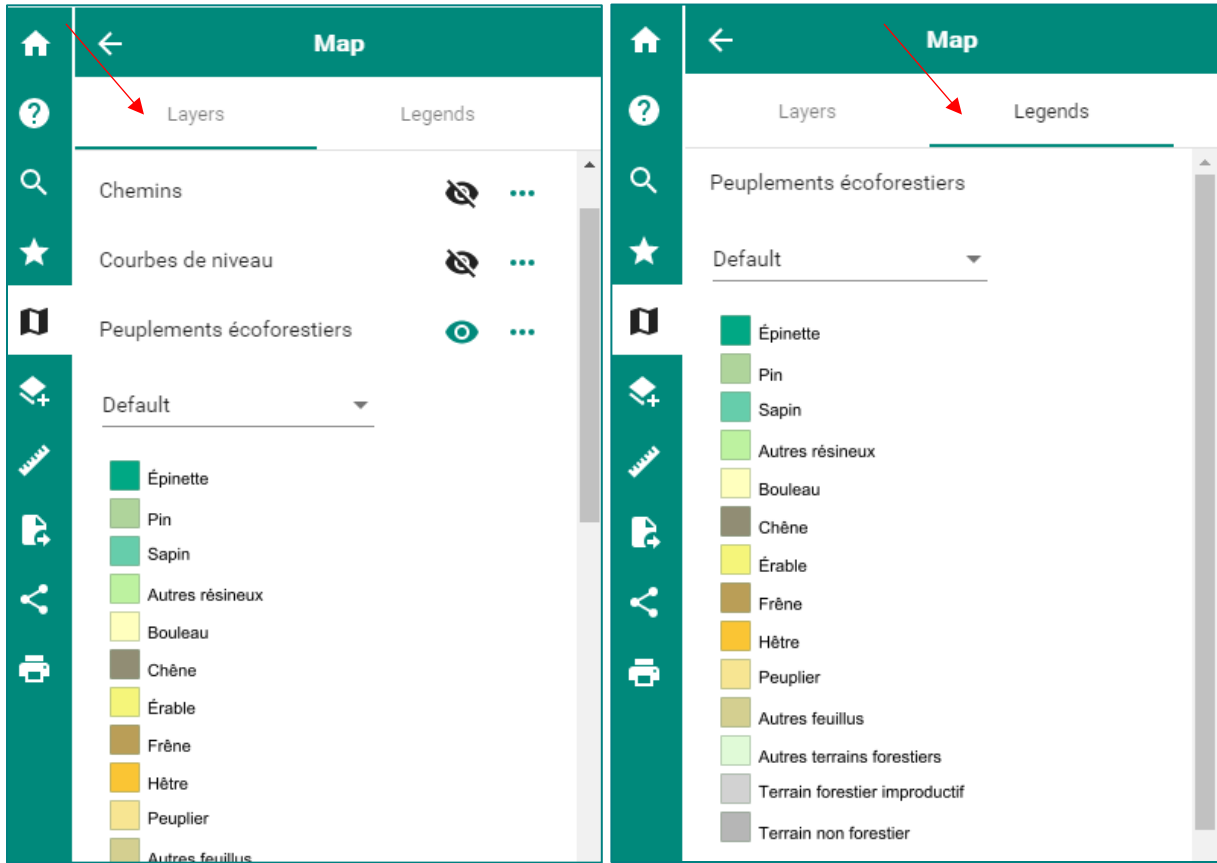


## Legend Options


Certain layers have several legend options. You can choose the legend option that best corresponds to your needs. By default, the legend appears when the layer is active (green eye). Click on the name of the layer to display its legend if the latter is hidden. Click on the name of the layer to hide the legend if needed. Click on the arrow to the right of the legend to access the drop-down menu with the available legend options.

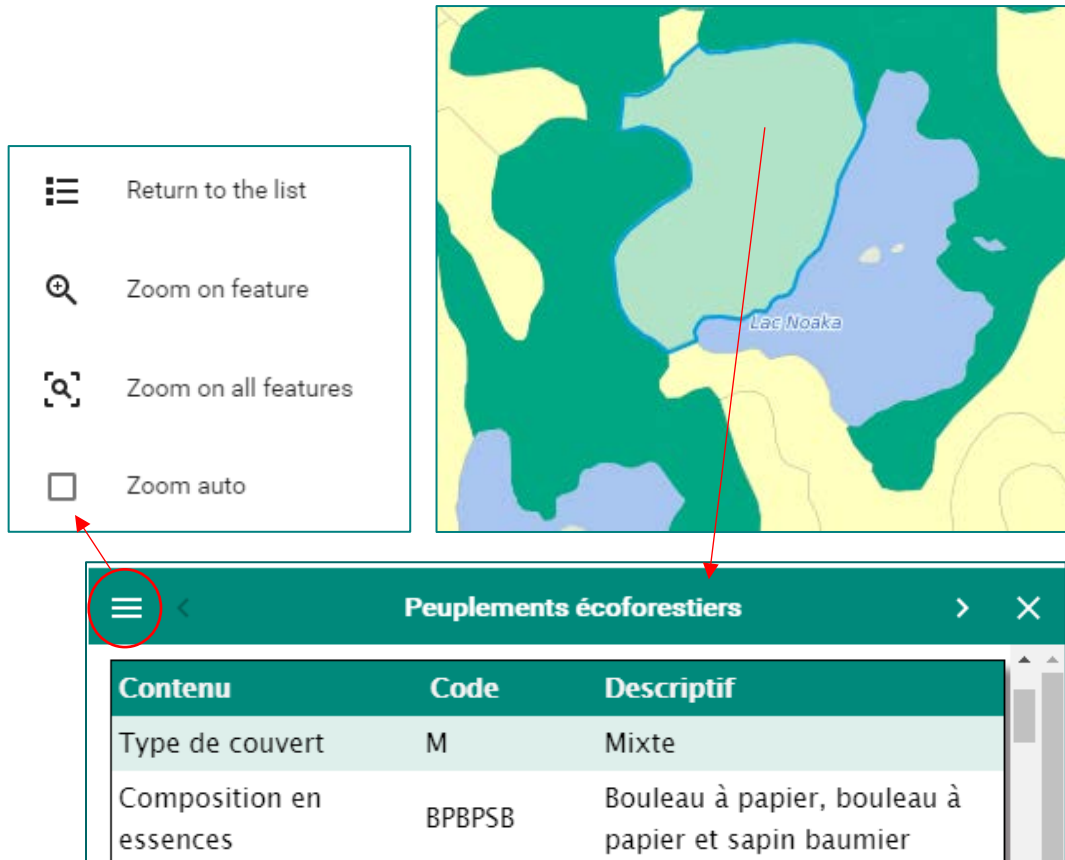




**New:** You can now choose between the “Layers” and “Legends” tabs above the list of layers in the **Map** feature. The “Layers” tab is where you can see all of the layer options, whereas the “Legends” tab shows only the legends of active layers (green eye).

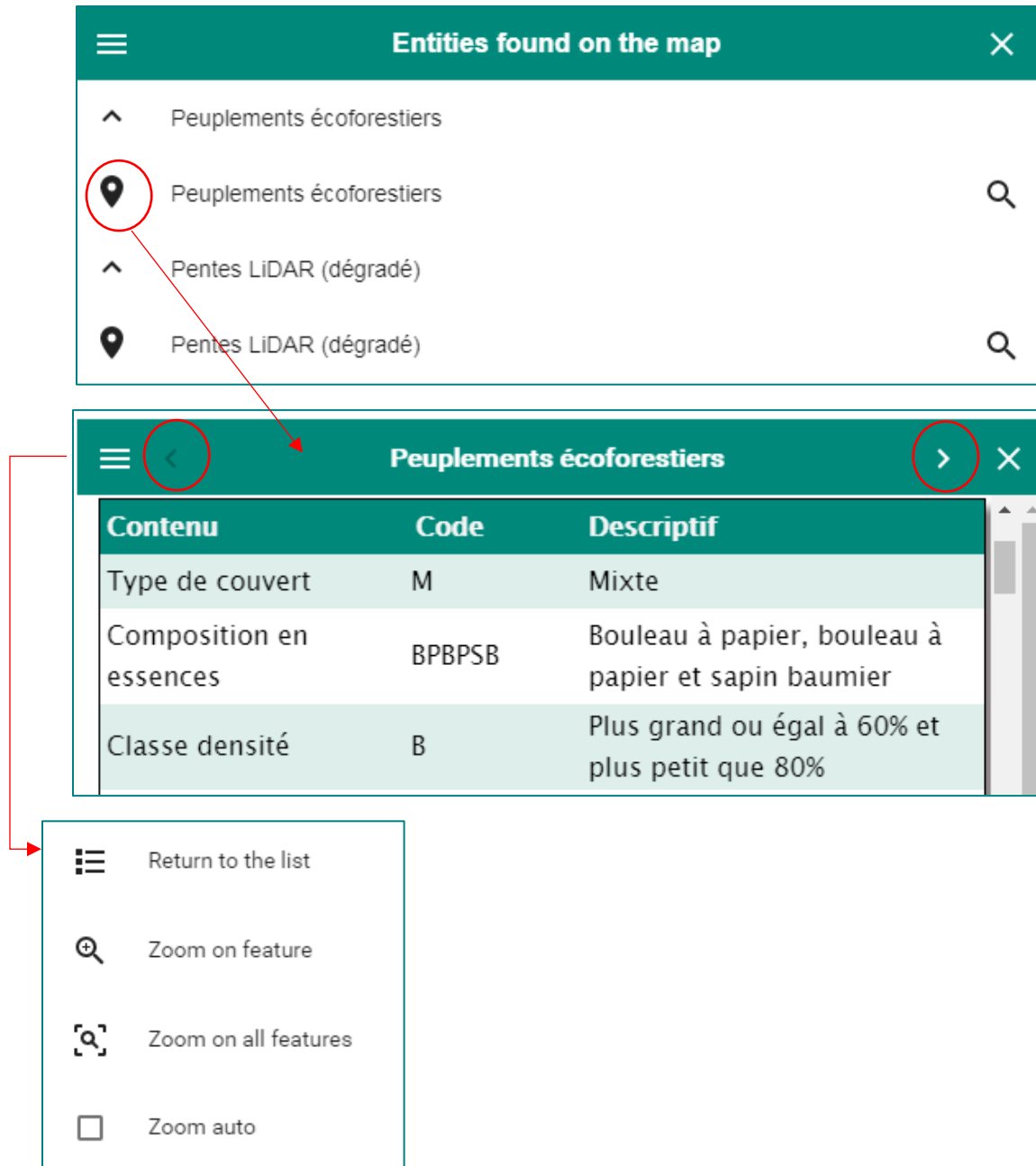


## Descriptive Table of Layer Features

It is possible to obtain additional information on a layer's attributes when this information is available. Simply click on the desired feature of a layer to open its descriptive table. For example, if you are viewing the layer "Peuplements écoforestiers" and you click on a forest stand, a new window will appear presenting a detailed description of that stand. The  icon at the top left of the table allows you to select different zoom options for the chosen element. The "Zoom on feature" function allows to adjust the map scale to the selected feature. Activating the "Zoom auto" function will automatically zoom on elements as soon as they are selected.

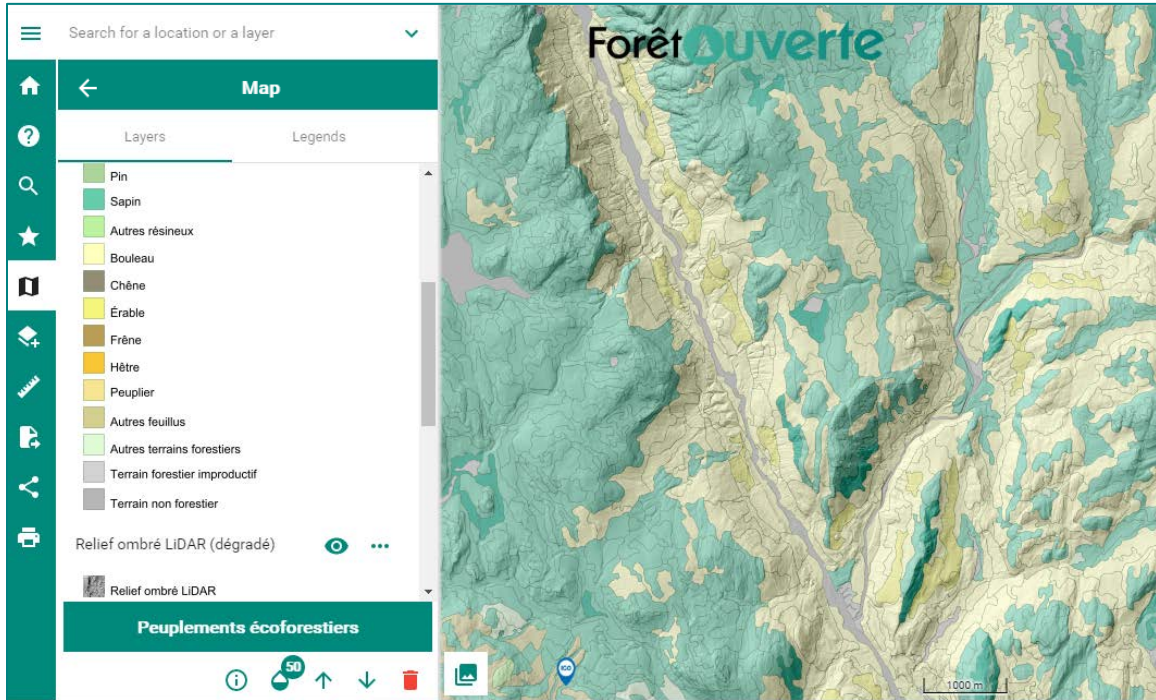


When several layers overlap it is necessary to select the  icon next to the desired layer; in this case, the “Peuplements écoforestiers” in order to open the descriptive table associated to the selected stand. It is also possible to consult the attributes of the overlapping layers by using the arrows found at the top right and left of the table title, or by returning to the list of entities found on the map by clicking on the  icon found at the top left of the table and then on “Return to list”. The “Zoom on all features” function adjusts the map scale to show all of the selected features.

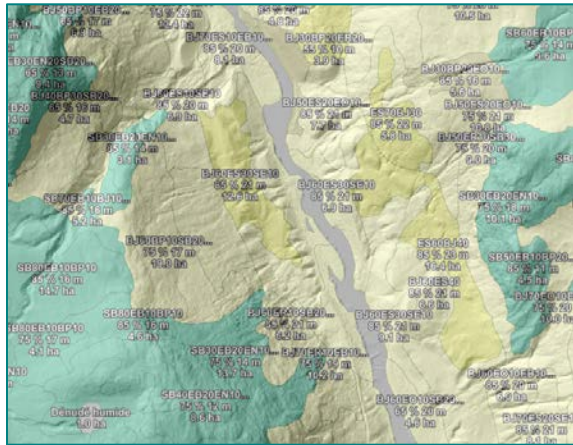


## Map Project Example

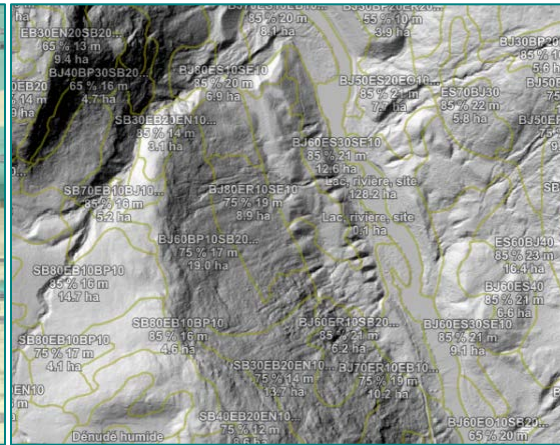
“Peuplement écoforestier” layer with 50% transparency overlapping the “Relief ombré LIDAR” layer. Legend options are shown with color and labels, or simply with contours and labels.



Legend: “Couleur avec étiquette”



Legend: “Contour avec étiquette”



## 🕒 Time filter

The **time filter** feature allows you to define a time lapse on the layer you wish to display. This feature is only available for certain layers (layers with a 🕒). The four main layers which can be filtered are grouped in the “Perturbations de la forêt” Map theme. The “Chasse” Map theme also contains a layer that can be filtered.

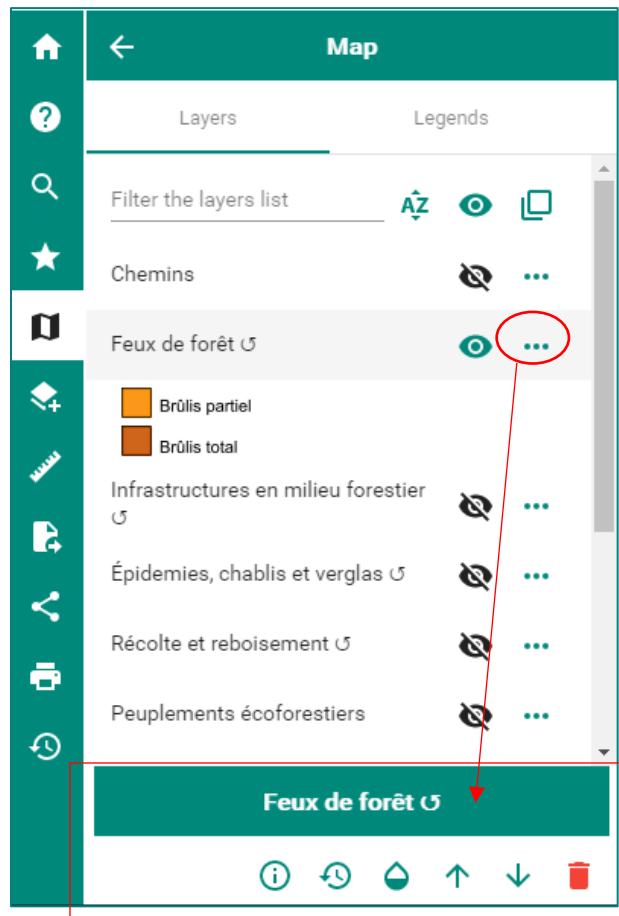
### Perturbations de la forêts


Infrastructures en milieu forestier 🕒	🔇	⋮
Épidémies, chablis et verglas 🕒	🔇	⋮
Récolte et reboisement 🕒	🔇	⋮
Feux de forêt 🕒	👁️	⋮

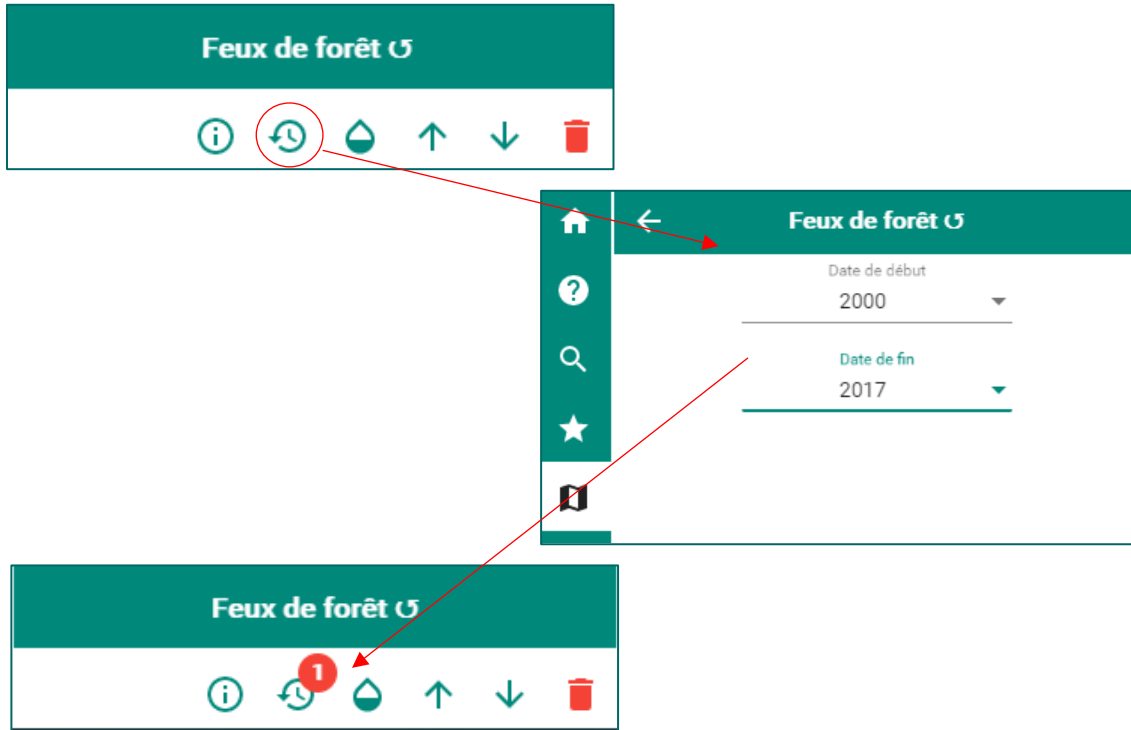
### Chasse

Récolte et reboisement récents 🕒 (après 1999)	👁️	⋮
<span style="color: #00b050;">■</span> Mode de régénération		
<span style="color: #4f81bd;">■</span> Coupe avec protection de la régénération		

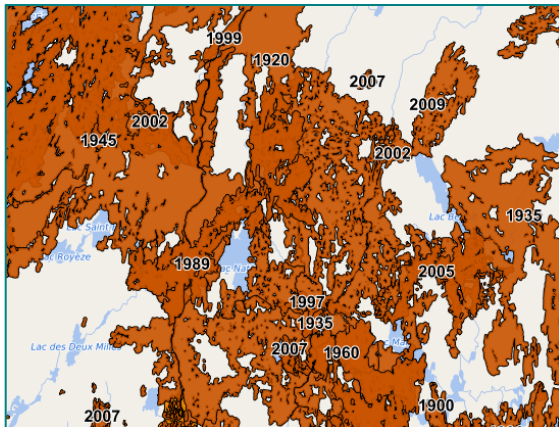
To access the time filter, click on the ... next to the “**Feux de forêt**” layer, for example. A new window appears below the list of layers.



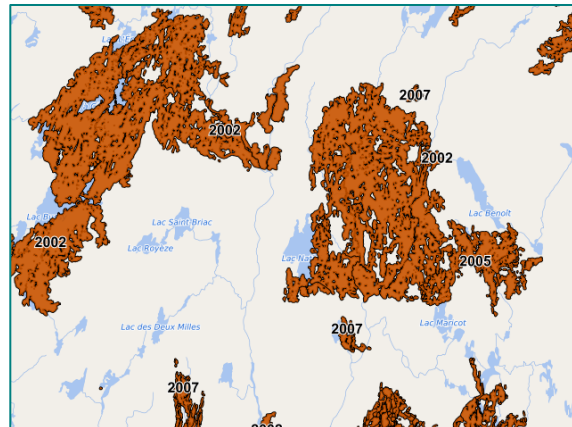
Click on the time filter icon  in this window and then choose the desired time lapse, such as the forest fires that occurred between the years 2000 and 2007. A red number appears indicating that a filter is applied to the layer.



Map without a time filter

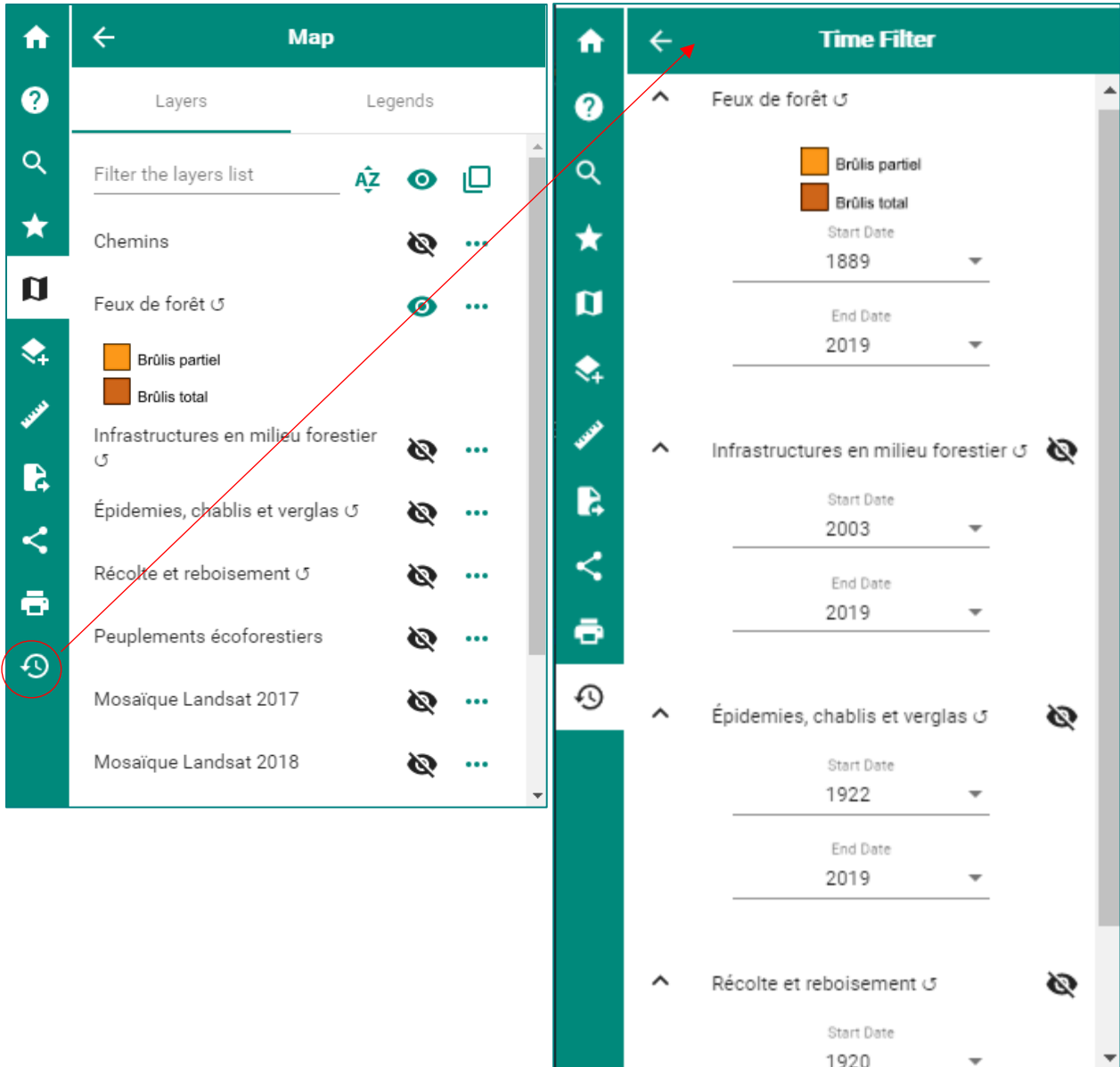


Map with a time filter




**Tip:** To visualize different types of disturbances that occur during non consecutive years, it is possible to consult the annual layers available in the “Données écoforestières (DIF)” Catalog. Consult the [Catalog](#) section in this guide for more information.

**New:** The time filter can now be accessed in the main menu features for the “Perturbations de la forêt” and “Chasse” Map themes. This option has the advantage of viewing all the layers that can be filtered within the same window. The layer legends can also be visualised within this window, by simply clicking on the layer name if the legend is hidden.



## Layer Display Scale and Zoom

Certain layers, such as the « Peuplements écoforestiers » are too heavy to display on a provincial scale. To remedy this situation, display scales are set for certain layers. The display parameters for these layers can be found in [Appendix 1](#).

A grey eye  next to a layer indicates that the latter cannot be viewed in the active scale (the value of the active scale is found at the bottom of the map).



To view the layer, simply zoom closer to or, in some cases, further away from the layer. To zoom, you can use the buttons at the bottom right of the screen or scroll using the mouse (in the case of a desktop computer).

**Tip:** A keyboard shortcut exists to zoom using a square selection. Simply hold the SHIFT key while clicking the left mouse button and drawing a rectangle over the desired area.



## Data Imprint

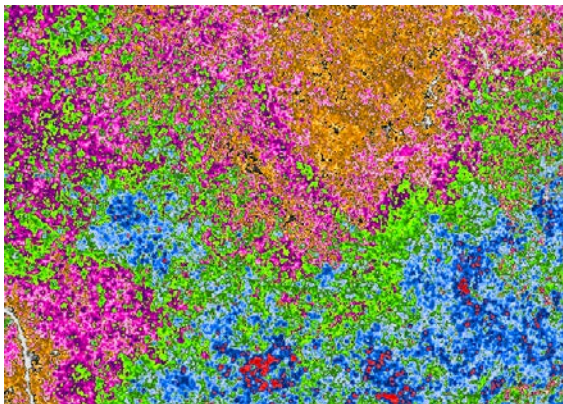
For certain layers, a salmon colored imprint appears to show the areas where the data is available. Simply zoom to the active view scale to view the content of the layer.



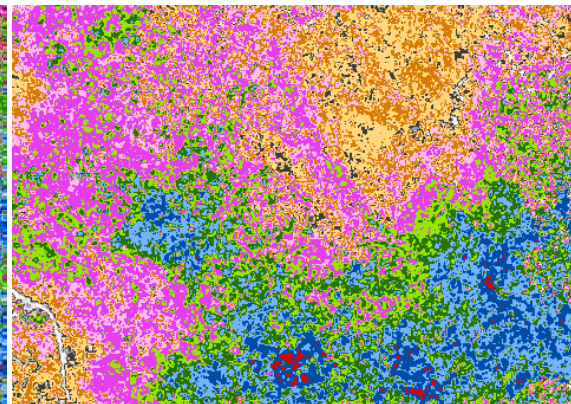
## Downscaled Resolutions of LiDAR products and Satellite Mosaics

In order to optimize the display of the LiDAR derivative products (“MNT” [DTM], “Relief ombré” [Shaded Relief], “Hauteur de canopée” [Canopy height] and “Pentes” [Slopes]) as well as the Satellite Image Mosaics, the resolution of these layers has been slightly downscaled. To view these layers at full resolution, simply download them (view the [Download](#) section of this guide) and add them to a GIS (e.g. Arcmap).

Full Resolution Canopy Height Model



Downscaled Resolution Canopy Height Model



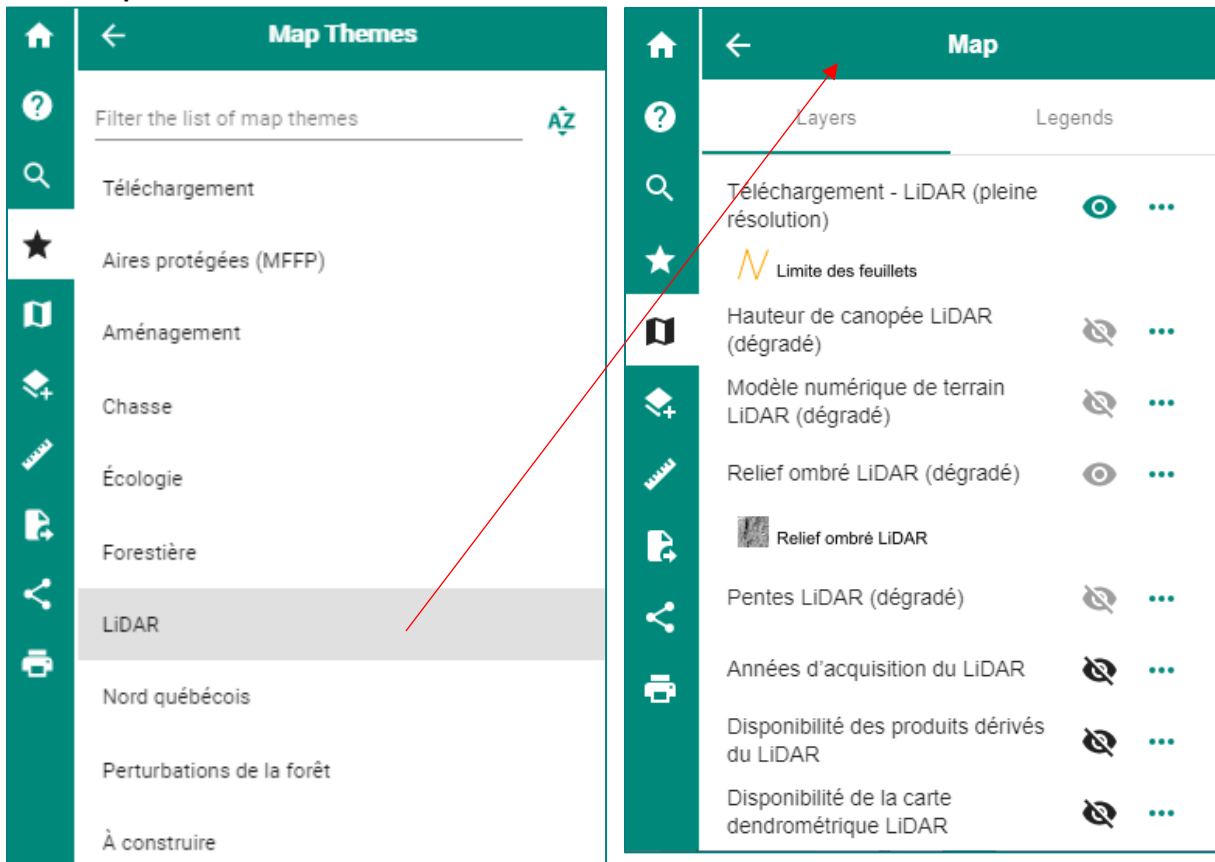
## ★ Map themes

The **Map themes** feature allows for the quick display of layers grouped under different themes. The use of **Map themes** is a key concept that is central to the effective use of *Forêt ouverte*.

When you choose a theme from **Map themes**, the layers associated to this theme are added to the **Map**. The layers found by default in the **Map** are those found under the theme “À construire”. Depending on your interest, you may begin a project with the default map theme or choose another one. To then add layers to your map, you can browse the **Catalog** or use the **Search bar**.


**WARNING:** When you choose another theme in the **Map theme** feature, all layers found in the **Map** feature will be replaced by those of the new theme. Therefore, you lose all the layers previously added through the **Catalog** or the **Search bar**. Before changing your **Map theme**, [Share](#) your map!

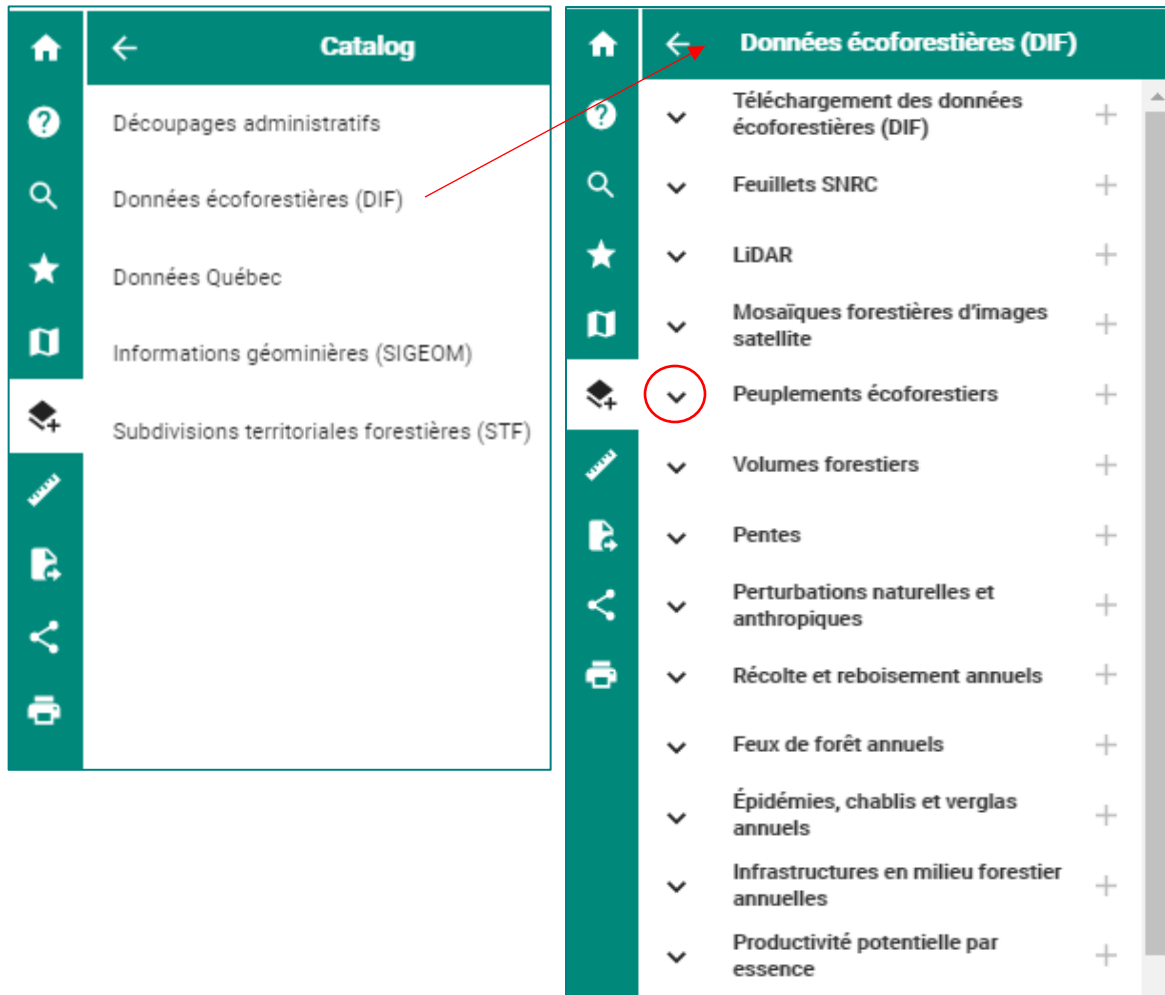
LiDAR Map theme example: All four LiDAR derivative products, their download index layer and the maps showing their planned availability, as well as the index showing the acquisition years of LiDAR data and the planification map for the availability of the LiDAR dendrometric map, are found in the “LiDAR” **Map theme**. When you choose the “LiDAR” theme, these layers are added to the **Map**.



## Catalog

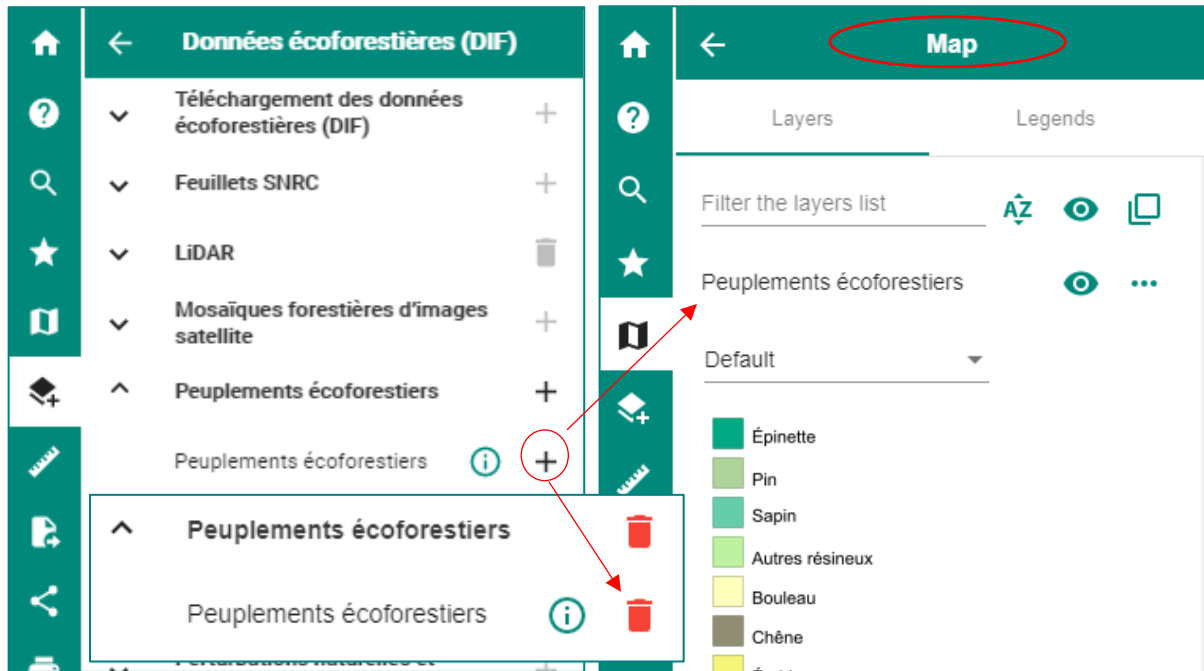
The **Catalog** contains all the layers that can be added to the **Map** feature. Click on the **+** to the right of the layer to add the latter to the **Map**. The **+** then becomes a red garbage, which allows you to remove the layer if desired. It is possible to add an entire group of layers using the **+** next to the group name.

For example, to add the layer “Peuplements écoforestiers” to the **Map**, select the  **Catalog** and click on “Données écoforestières (DIF)”. Then click on the arrow next to “Peuplements écoforestiers” to see all the layers within this group.

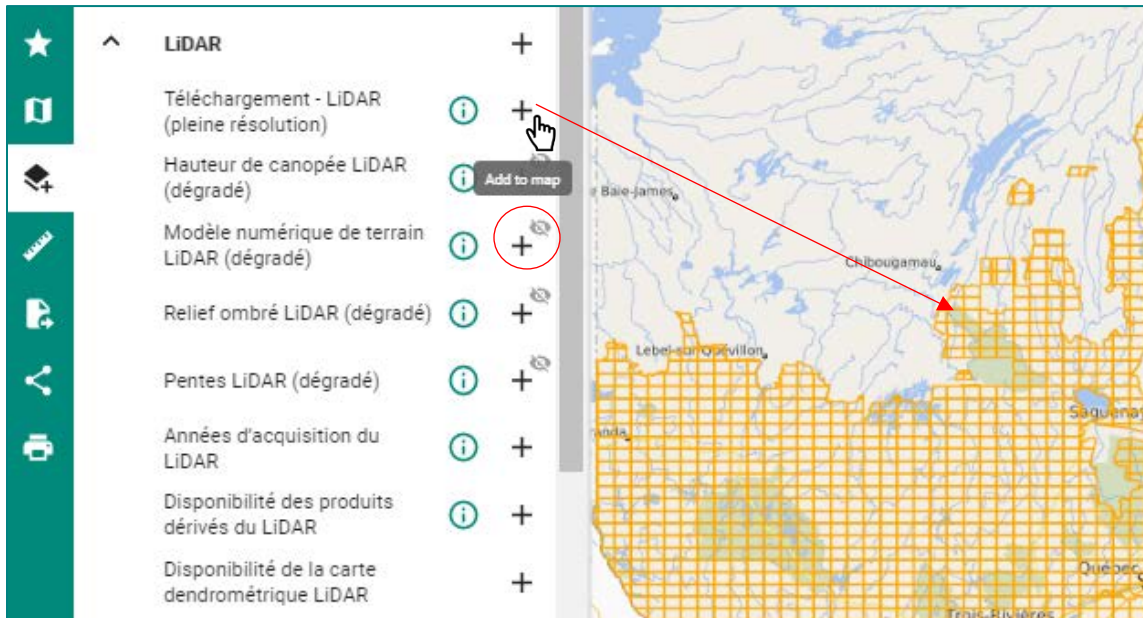


<sup>2</sup> Consult [Appendix 2](#) for a complete list of layers found in the “Données écoforestières (DIF)” catalog.

Click on the **+** to the right of the « Peuplements écoforestiers » layer. The **+** becomes a red garbage and the layer is now available in the **Map** feature and visible in the map.



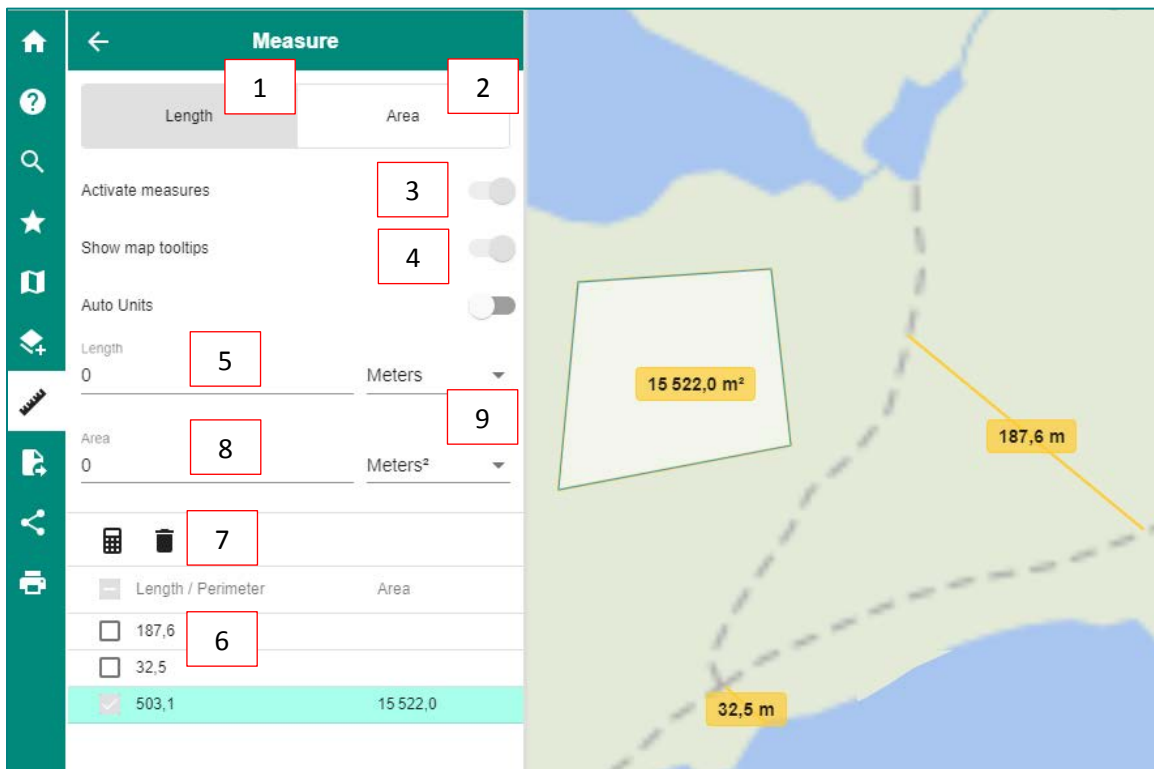
**New:** It is now possible to preview a layer by simply positioning the cursor over the + beside a layer, without clicking on it. However, if there is a small grey eye above the +, the current map scale does not allow the preview.



## Measure

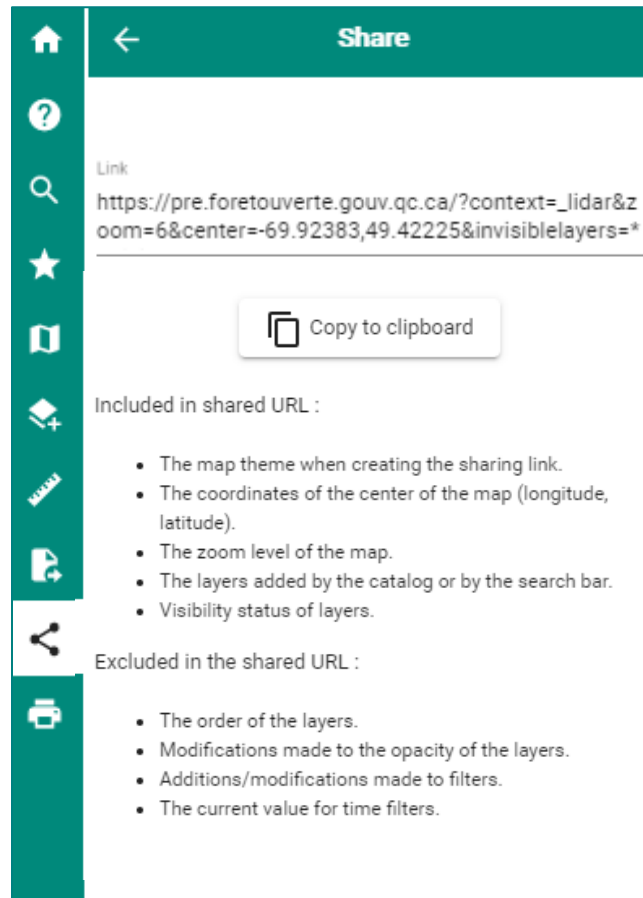
It is possible to measure different lengths (1) and areas (2) on your map using the **measure** tool. Once the measure tool is activated (3), simply click on the map. It is possible to measure several segments. Simply double click to end the segments and add up their distances. Each segment has a length label if this option is activated (4) and the total distance is found in the “length” bar (5). Also, previously measured lengths are found at the bottom of the window (6) and it is possible to delete them by clicking on the garbage (7).

To measure an area, select this option (2) and simply form a polygon in the map, double clicking to close the figure. The area and perimeter are calculated in the associated bar (8). It is possible to change the units (9) for both area and length measures.



## Share

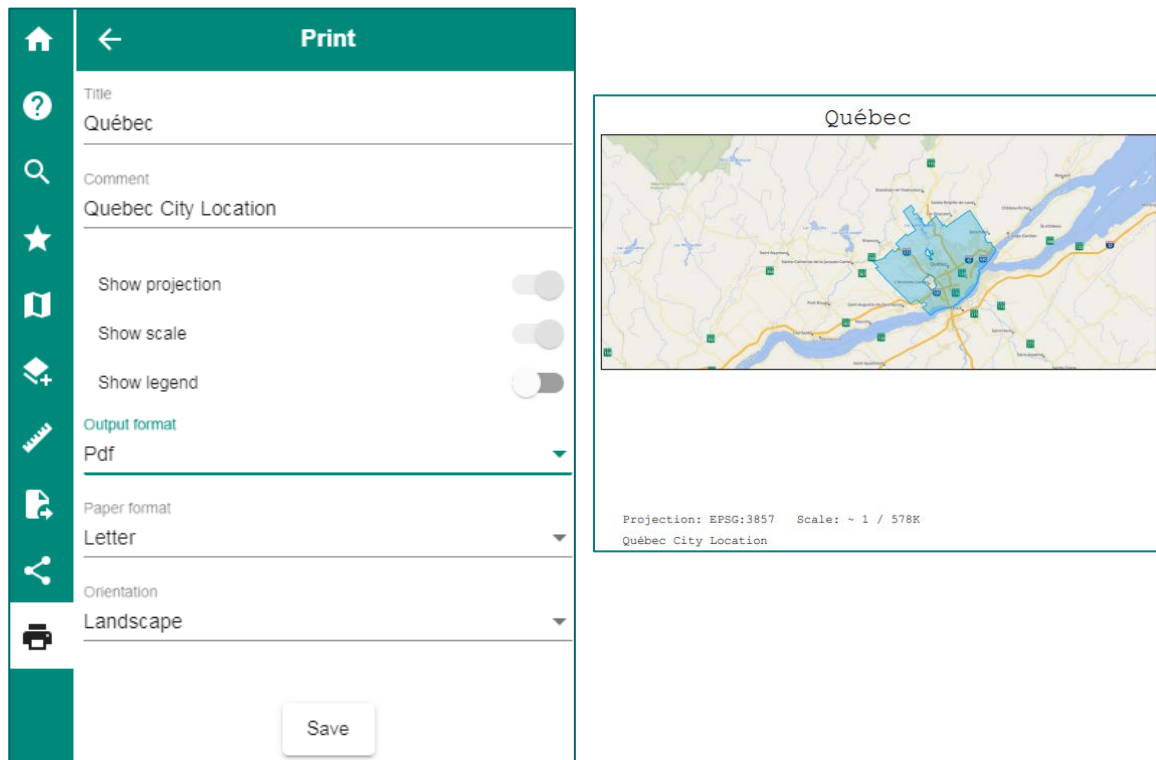
The **Share** option creates a hyperlink (URL) of your map that redirects you to an exact representation of what you see on your screen. It is possible to copy this link in a document or email and share it with someone or refer to it for later use.



 **Print**

It is possible to print the map viewed on screen using the **Print** option. It is possible to add a title and a short description of the map, choose the output format (PDF or image [PNG, BMP, GIF or Tiff]), the page size (A0 through A5, letter or legal) and the desired layout (landscape or portrait).

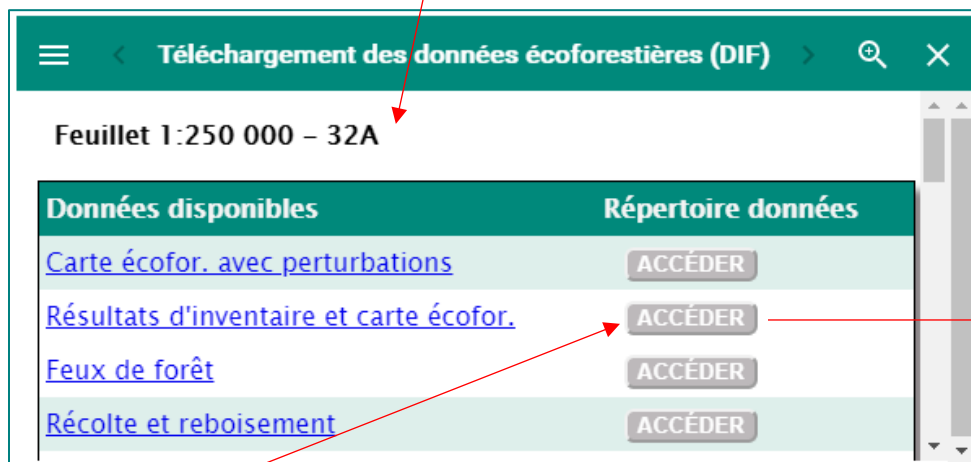
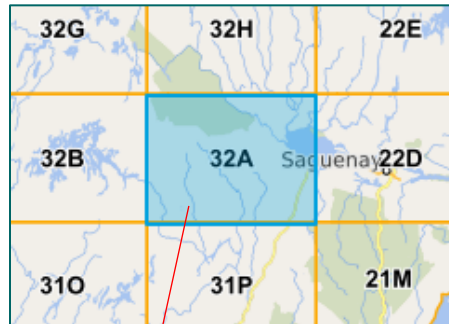
It is also possible to show the projection, the scale and the legend of the map in the printed document.



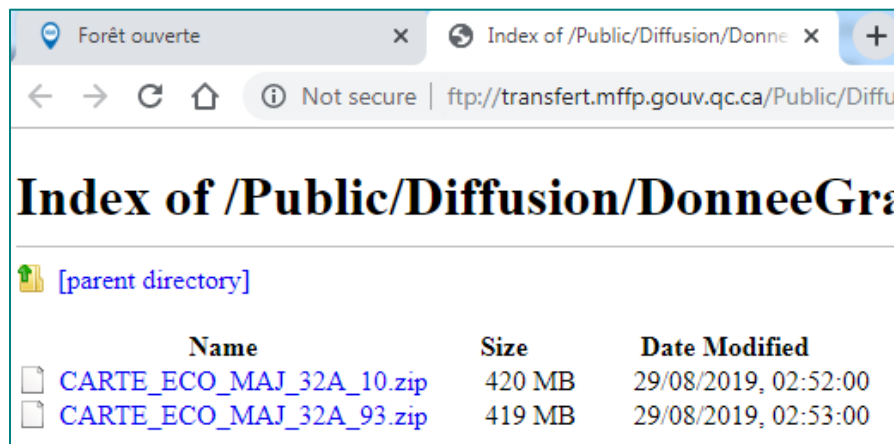
**Note:** The display of the legends in printed maps should be improved in later versions of *Forêt ouverte*. Also, it is not yet possible to obtain a georeferenced map usable offline, but seeing as this feature is in high demand, it will also be evaluated for the following versions of *Forêt ouverte*.



When you click in a map sheet associated to the index layer of the desired data, for example the 32A map sheet of the “Téléchargement des données écoforestières (DIF)” index layer, a table will appear with a list of available products to download for this map sheet.

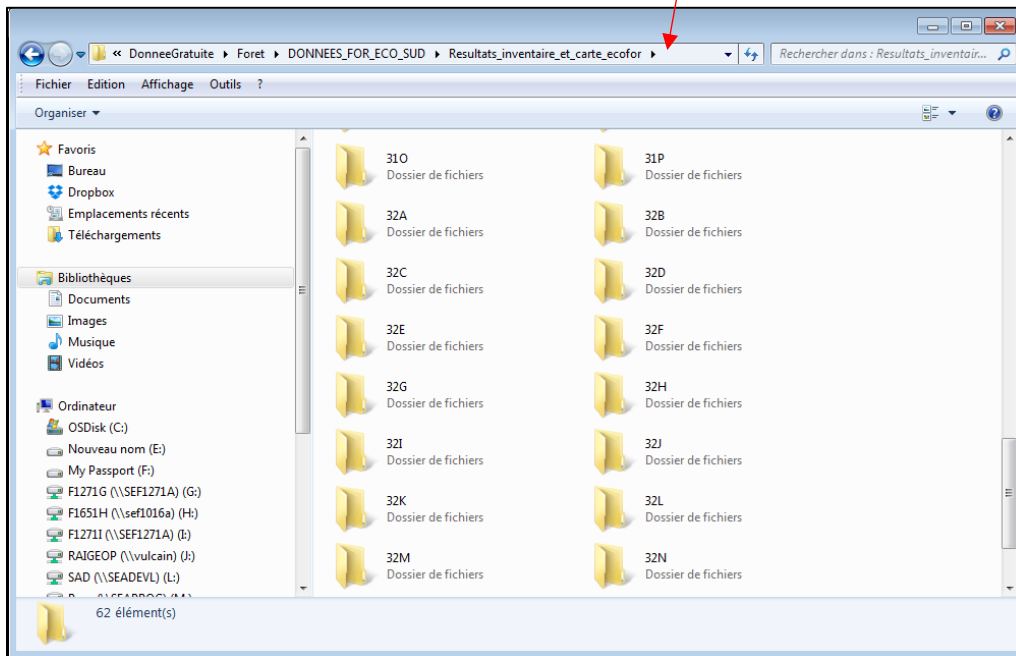
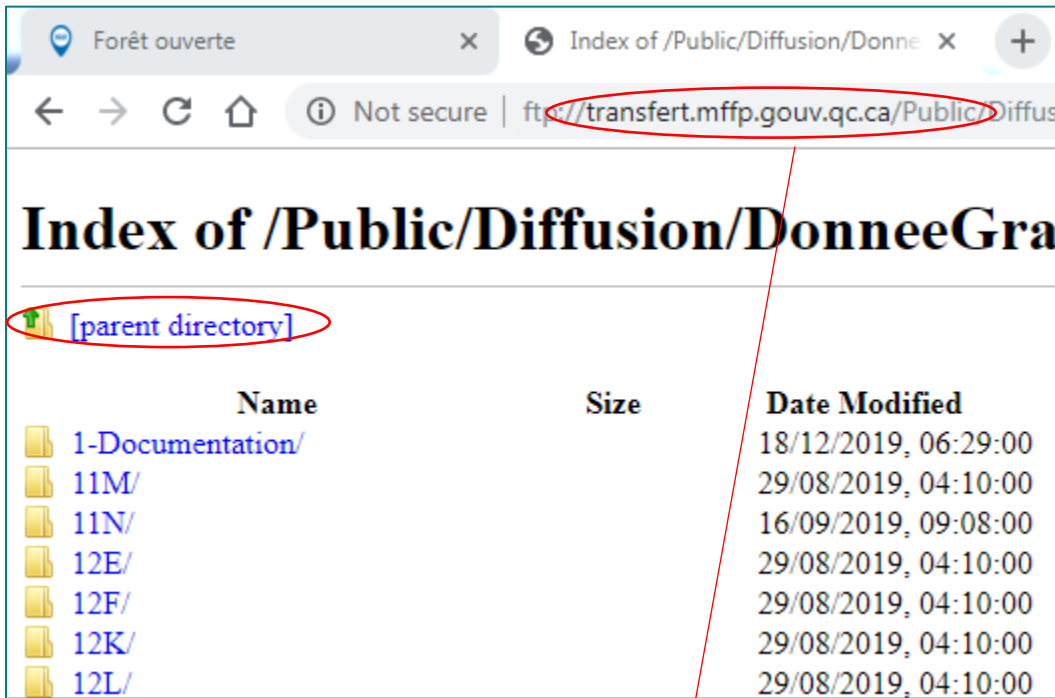


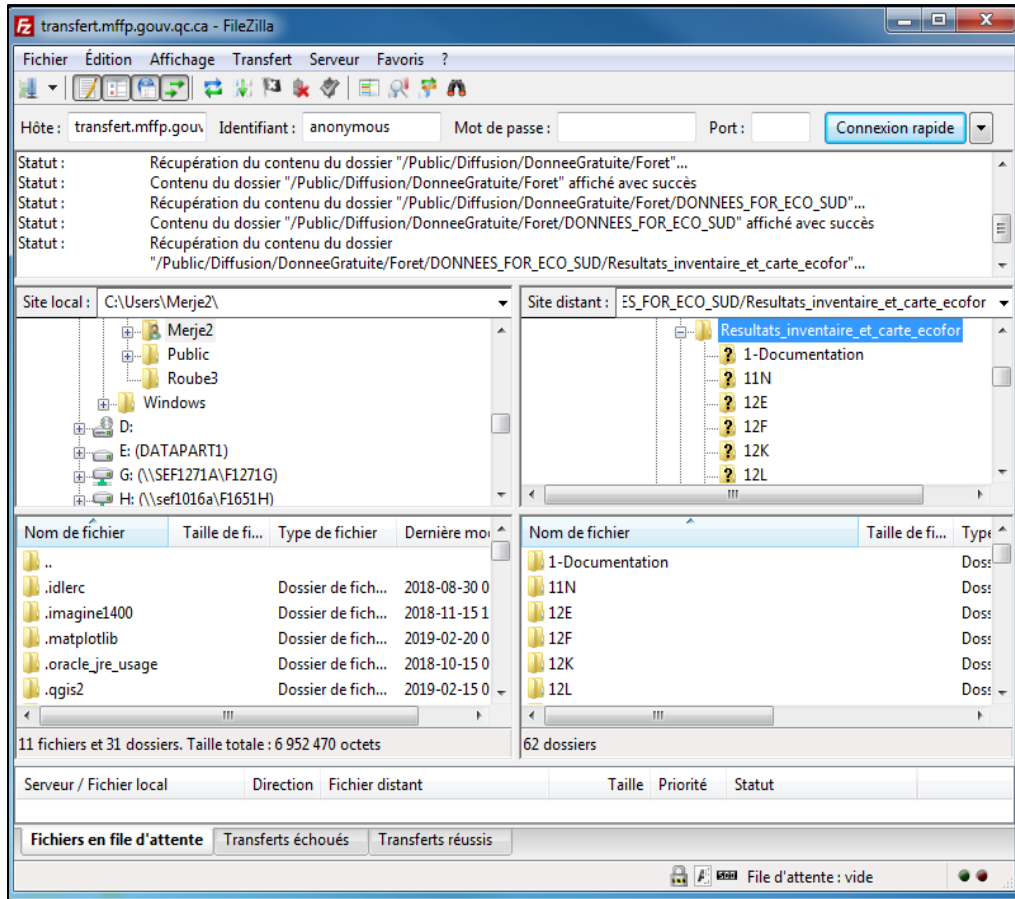
Click on the **ACCÉDER** button to download the product of your choice. You will then be re-directed to an FTP site where you can choose the desired folder to download.




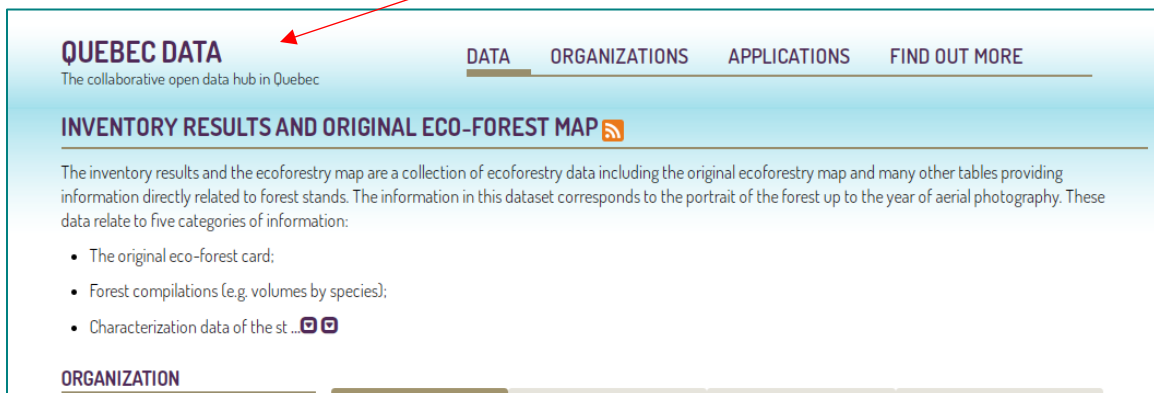
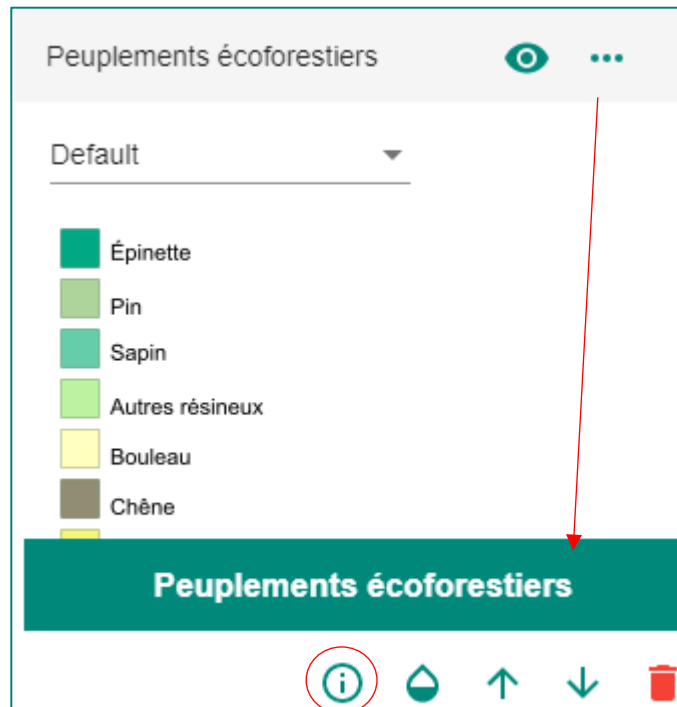
**Note:** The numbers 10 and 93 in the ZIP folder names refer to versions of ArcMap. Use the 93 folder if you are using the 9.3 version, and use the 10 folder if you are using versions 10 and up.

It is also possible to download more than one map sheet by clicking on the [\[parent directory\]](#) link. You can then copy the FTP address in a Windows explorer window or use the free software FileZilla, and simply copy-paste all the folders of interest. Consult the following document for more details (only available in French): « [Téléchargement de données – méthode rapide de téléchargement](#) » pour plus de détails.





- The second way to download data is to click on the  of the desired layer in the **Map** feature. This button acts as a link to Données Québec's data sheet where you can access different types of downloadable data (.shp, .csv, .gdb, etc.) as well as complementary documents (metadata, normative files, index's, etc.).



It is possible to access the available data by clicking on [Access the data directory](#) in the Données Québec's data sheet. The data is generally presented by map sheet and therefore you must know in which map sheet you wish to find your data. It is also possible to download several map sheets at once by copying the FTP address in a Windows explorer window or by using the free Filezilla software. Consult the following document for more details (only available in French): « [Téléchargement de données – méthode rapide de téléchargement](#) ».

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**QUEBEC DATA**  
The collaborative open data hub in Quebec

**INVENTORY RESULTS AND ORIGINAL ECO-FOREST MAP**

The inventory results and the ecoforestry map constitute a grouping of ecoforestry data including the original ecoforestry map and many other tables providing information directly related to forest stands. The information in this dataset corresponds to the portrait of the forest up to the year of aerial photography. These data relate to five categories of information:

- The original eco-forest card;
- Forest compilations (e.g. volumes by species);
- Characterization data of the st...

**ORGANIZATION**

Forêts, Faune et Parcs Québec

Dataset Categories Historical Applications

**Additional data and resources (23)**

View all data from the Ministry of Forests, Wildlife and Parks  
Consult the reception of Gouvernement du Québec

**SHARE**

Google+ Twitter Facebook

**RESPONSIBILITY**

Broadcasters cannot guarantee the accuracy, precision or completeness of the data made available to you on this site.

**Data**

**FTP**  
**Access the data directory**  
Access the FTP site directly to download the data

**HTML**  
**Open forest**  
View and download (ArcGIS versions 9.3 and 10)

**CSV**  
**Download links per sheet 1: 250,000**  
Index - ArcGIS 9.3 and 10 versions

**SHP**  
**Inventory results and ecoforest map (sheet 1: 250,000)**  
Index - ArcGIS 9.3 and 10 versions

To access Download Download Download

## Appendix 1: Defined Display Scales for Layers

(Maximum scale value that allows display. Example: )

Layer name	Layer	Labels
Téléchargement produits DIF	SO	200 km
Téléchargement cartes PDF (mai 2015)	SO	10 km
Téléchargement - LiDAR (pleine résolution)	SO	20 km
LiDAR (MHC, MNT, relief ombré, pentes)	50 km	SO
Récolte et reboisement	5 km	500 m
Épidémies, chablis et verglas	5 km	500 m
Feux de forêt	50 km	50 km
Infrastructures en milieu forestier	2 km	SO
Volumes marchands bruts	2 km	200 m
Accroissement potentiel	2 km	200 m
Productivité potentielle	2 km	200 m
Propriétés du bois	2 km	200 m
Contraintes	2 km	SO
Peuplements écoforestiers - Contours	2 km	SO
Peuplements écoforestiers - Couleurs	2 km	SO
Peuplements écoforestiers - Étiquettes	SO	200 m
Pentes numériques	1000 m	200 m
Placettes-échantillons temporaires	50 km	SO
Végétation du Nord québécois	2 km	1000 m
Dépôts de surface du Nord québécois	10 km	1000 m
Districts écologiques	SO	50 km
Unités de paysage régional	SO	100 km
Unité d'aménagement (1/20 000)	500 m	500 m
Unité d'aménagement (1/1 000 000)	SO	SO

## Appendix 2: “Données écoforestières (DIF)” Catalog Layers List

### **Téléchargement des données écoforestières (DIF)**

- Téléchargement cartes PDF (mai 2015)
- Téléchargement des données écoforestières (DIF)

### **Feuillets SNRC**

- Feuillet 1 : 20 000

### **LiDAR**

- Téléchargement – LiDAR (pleine résolution)
- Hauteur de canopée LiDAR (dégradé)
- Modèle numérique de terrain LiDAR (dégradé)
- Relief ombré LiDAR (dégradé)
- Pentes LiDAR (dégradé)
- Années d'acquisition du LiDAR
- Disponibilité des produits dérivés du LiDAR
- Disponibilité de la carte dendrométrique LiDAR

### **Mosaïques forestières d'images satellite**

- Mosaïques Landsat (1986, 2011 à 2018)
- Mosaïque Sentinel (2018)

### **Peuplements écoforestiers**

- Peuplements écoforestiers

### **Volumes forestiers**

- Volumes marchands bruts (7m et +)

### **Pentes**

- Pentes numériques

### **Perturbations naturelles et anthropiques**

- Feux de forêt
- Épidémies, chablis et verglas
- Infrastructures en milieu forestier
- Récolte et reboisement
- Récolte et reboisement récents (après 1999)

### **Récolte et reboisement annuels**

- Récolte et reboisement anciens (avant 1976)
- Récolte et reboisement (couches annuelles 1976 à 2017)

### **Feux de forêt annuels**

- Feux de forêt anciens (avant 1976)
- Feux de forêt (couches annuelles 1976 à 2018)

### **Épidémies, chablis et verglas annuels**

- Épidémies, chablis et verglas anciens (avant 1976)
- Épidémies, chablis et verglas (couches annuelles 1976 à 2018)

### **Infrastructures en milieu forestier annuelles**

- Infrastructures en milieu forestier (couches annuelles 2003 à 2018)

### **Productivité potentielle par essence**

- Hauteur potentielle à 50 ans (m)  
(EPN, EPB, EPR, SAB, PIB, PIG, BOP, PET, THO)
- Accroissement potentiel (cm<sup>2</sup>/ti/an)  
(ERS, BOJ, ERR)

### **Propriétés du bois par essence**

- EPN, densité (kg/m<sup>3</sup>)
- SAB, densité (kg/m<sup>3</sup>)
- EPN, rigidité (GPa)
- SAB, rigidité (GPa)

### **Contraintes à l'aménagement forestier**

- Contrainte de sol mince
- Contrainte de solidité du sol
- Contrainte de rugosité
- Contrainte à l'orniérage
- Contrainte d'érosion du sol
- Contrainte à l'appauvrissement des sols

### **Classification écologique du territoire**

- Districts écologiques
- Unités de paysage régional
- Sous-régions écologiques
- Régions écologiques
- Sous-domaines bioclimatiques
- Domaines bioclimatiques
- Sous-zones de végétation
- Zones de végétation

### **Couches écoforestières du Nord québécois**














- Végétation du Nord québécois
- Dépôts de surface du Nord québécois
- Photographies obliques

### **Sondage terrestre**





- Placettes temporaires 2<sup>e</sup> inventaire
- Placettes temporaires 3<sup>e</sup> inventaire
- Placettes temporaires 4<sup>e</sup> inventaire
- Placettes temporaires 5<sup>e</sup> inventaire

## Appendix 3: Value of Grouped Fields in Legends of Certain Layers









## Peuplements écoforestiers

 Épinette	Épinette	EB,EN,EP,EU,EV,EG,RE,RG
 Pin	Pin	PB, PG, PI, PR, PS, PC
 Sapin	Sapin	SB, SE, SC, SS
 Autres résineux	Autres résineux	CE, EC, EE, EF, EM, ME, MH, MI, ML, PU, RX, RZ, MJ, MR, RM, RP, RS, SM, SP, TO
 Bouleau	Bouleau	BB,BG,BJ,BP,RB
 Chêne	Chêne	CB, CH, CR
 Érable	Érable	EA,EI,EO,ER,ES
 Frêne	Frêne	FA, FO, FP, FR
 Hêtre	Hêtre	HG
 Peuplier	Peuplier	PA,P,PD,PE,PH,PO,PT
 Autres feuillus	Autres feuillus	CC, FE, FH, FI, FN, FT, FX, FZ, NN, OA, OR, TA, MF, RF, SF
 Terrain forestier improductif	Autres terrains forestiers	AF, BHE, BR, CBA, CBT, CDV, CEF, CHE, CHT, CPE, CPH, CPR, CPT, CRB, CRR, CRS, CT, DEM, DT, ENS, ESG, ETR, FRI, P, PLR, PRR, QUA, REA, RIA, RPS, TNP, TOE, VER, VRG, MX, NF, NX, INO
 Terrain non forestier	Terrain forestier improductif	AL,DH,DS,IMP
	Terrain non forestier	A, AEP, AER, AUT, BAS, BAT, CAM, CAR, CFO, CS, CU, DEF, DEP, GOL, GR, HAB, INC, LTE, RO, US, VIL, PL, RRG, ENR, CPI_RL_F, CPPTM_U, CDL, EPC_SYS, CPHRS, CPPTM_DIS, CPRS_BA, CP, EL, BRP, ENP, CHP

## Récolte et reboisement

 Mode de régénération	Mode de régénération	CON, DR, ENM, ENR, ENP, ENS, FER, P, PLB, PLN, PLR, PRR, RIA, RR, RRG, RRN, RRP, RRR, REA, FR
 Éclaircie et dégagement	Éclaircie et dégagement	BRD, DEG, DRC, DRM, ENM, EPC, EPR
 Coupe partielle	Coupe partielle	CA, CAM, CB, CBT, CD, CDL, CE, CEA, CIP, CJ, CJP, CJT, CJG, CP, CPI, CPS, CPF, CPM, CPC, CTR, EC, ECE, ECL, ESI, PCP, PSP, PTA
 Coupe avec protection de la régénération	Coupe avec protection de la régénération	CPE, CPH, CPR, CPT, CDV, CRS, CEF, CRB, CS, CBA, CIF, CT, DLD, ETR, CRR, RBV, RPS

## Infrastructures en milieu forestier

 Aire d'empilement et d'ébranchage	Aire d'empilement et d'ébranchage	AEP
 Camp forestier	Camp forestier	CFO
 Dépotoir	Dépotoir	DEP
 Gravière	Gravière	GR
 Ligne de transport d'énergie	Ligne de transport d'énergie	LTE
 Milieu perturbé par l'activité humaine	Milieu perturbé par l'activité humaine	NF, ANT
 Terrain agricole	Terrain agricole	AF, A
 Emprise de chemin	Emprise de chemin	RO



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