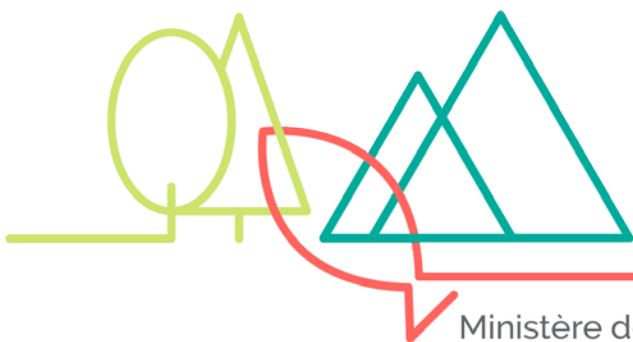


# Forêt Ouverte

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



Ministère des Forêts, de la Faune et des Parcs

## **User's Guide to *Forêt ouverte***

March 2020

### **Authors**

Mélanie Major, ing. f., M. Sc., Direction des inventaires forestiers, MFFP

Jean Mercier, tech. f., Direction des inventaires forestiers, MFFP

Louise Noreau, préposée aux renseignements, Direction des inventaires forestiers, MFFP

### **Coordination**

Isabelle Legault, ing. f., M. Sc., Direction des inventaires forestiers, MFFP

### **Layout**

Geneviève Barry, technicienne en administration, Direction des inventaires forestiers, MFFP

### **Translation and linguistic revision**

Anne Théodorescu, ing. f., Direction des inventaires forestiers, MFFP

Karine Flamand, Direction des communications, MFFP










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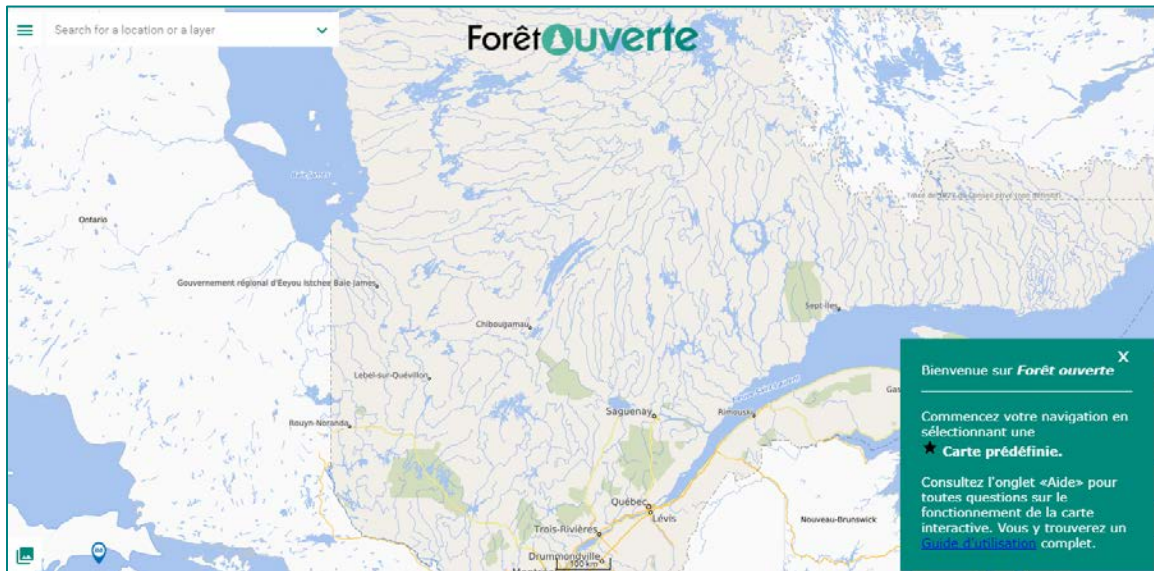
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## Forêt ouverte's New Interface

The interactive Web map of ecoforest data produced by the Direction des inventaires forestiers (DIF) has, since April 2019, become *Forêt ouverte*. Now supported by the 2.0 version of the [Open GIS Infrastructure](#) (IGO), it can be viewed on mobile devices and follows the Web's most recent tendencies (responsive application, API, temporal analysis, etc.). Already, a new version exists as of December 2019, allowing for an improved visual experience as well as the addition of new functions using the 2.1.0 version of IGO.

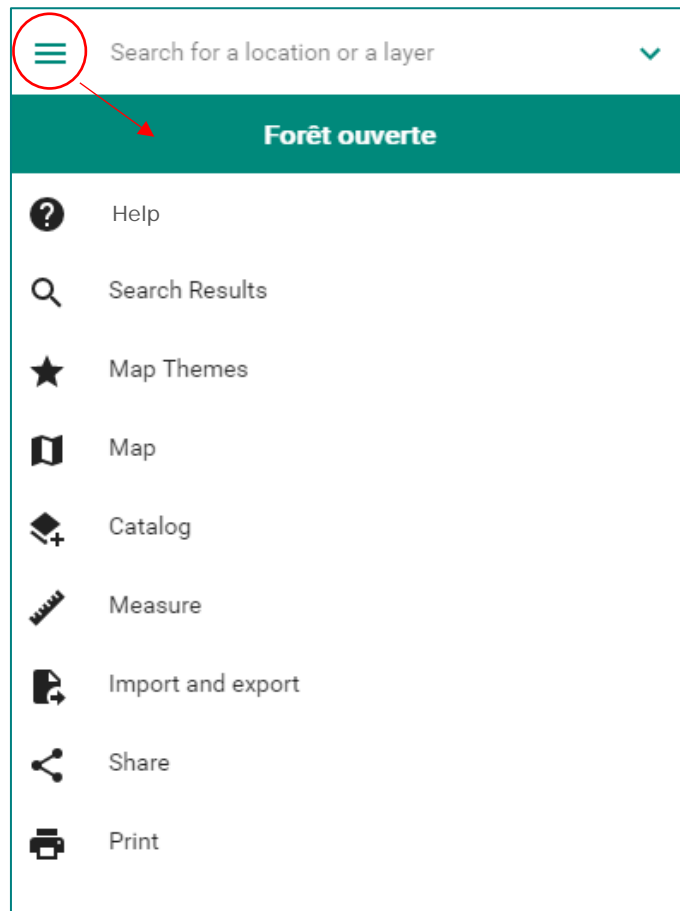
To access *Forêt ouverte* :

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



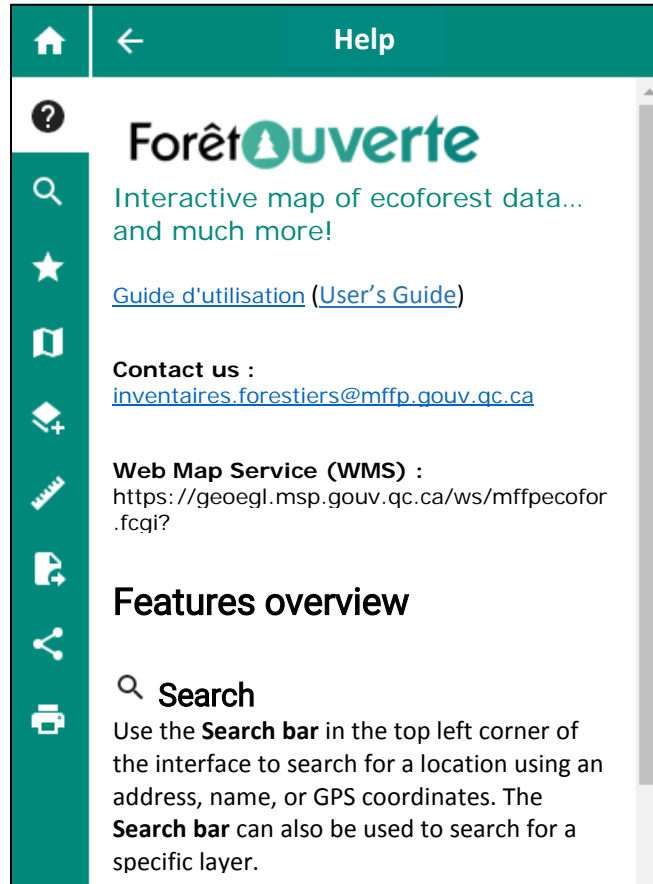
## Main Menu Features

Click the Main Menu icon to access all of the menu's features.



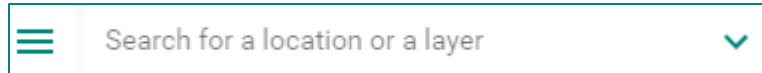
## Help

A brief description of all the features of the interactive map is found in the **Help** section as well as links to *Forêt ouverte's* User Guide, the Direction des inventaires forestiers (DIF) e-mail (for any questions or comments), and the URL to the DIF's Web mapping service (WMS).

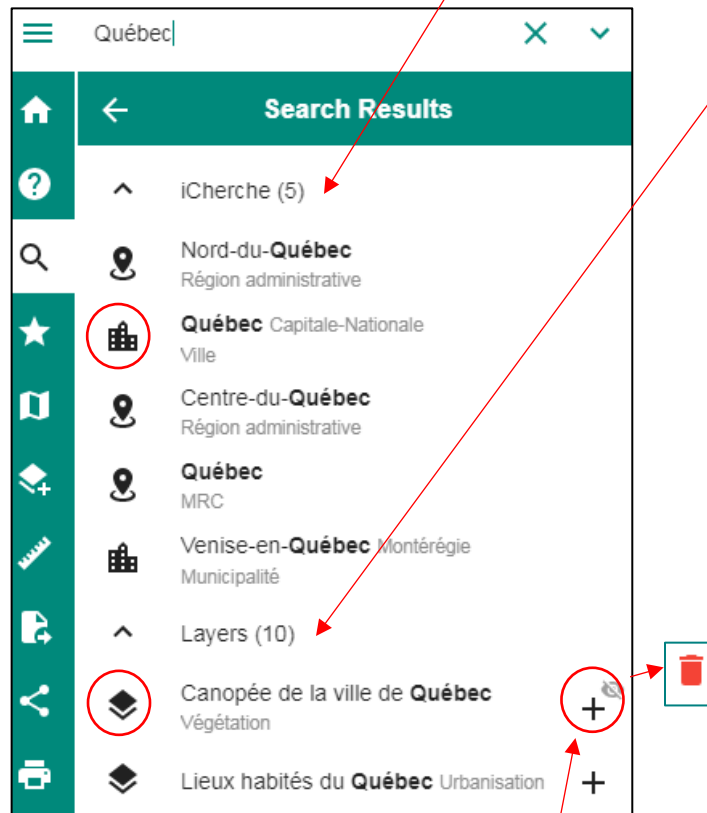


## Search Results

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.

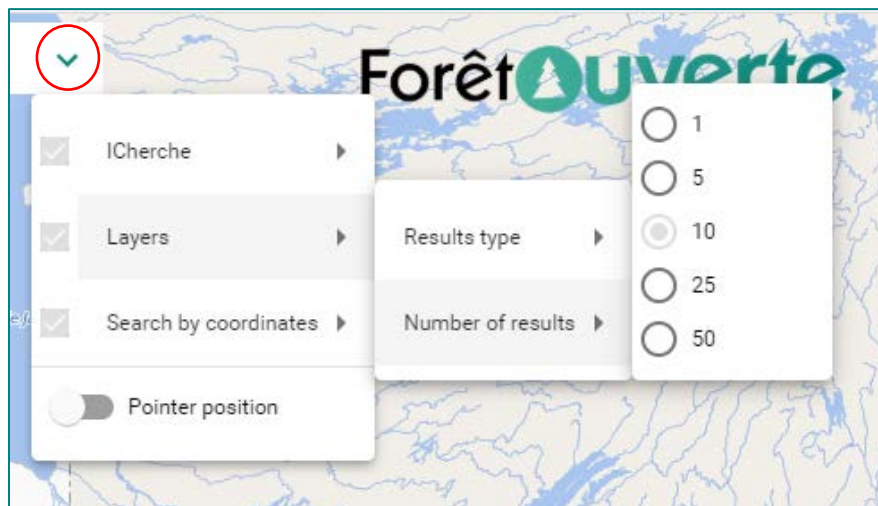
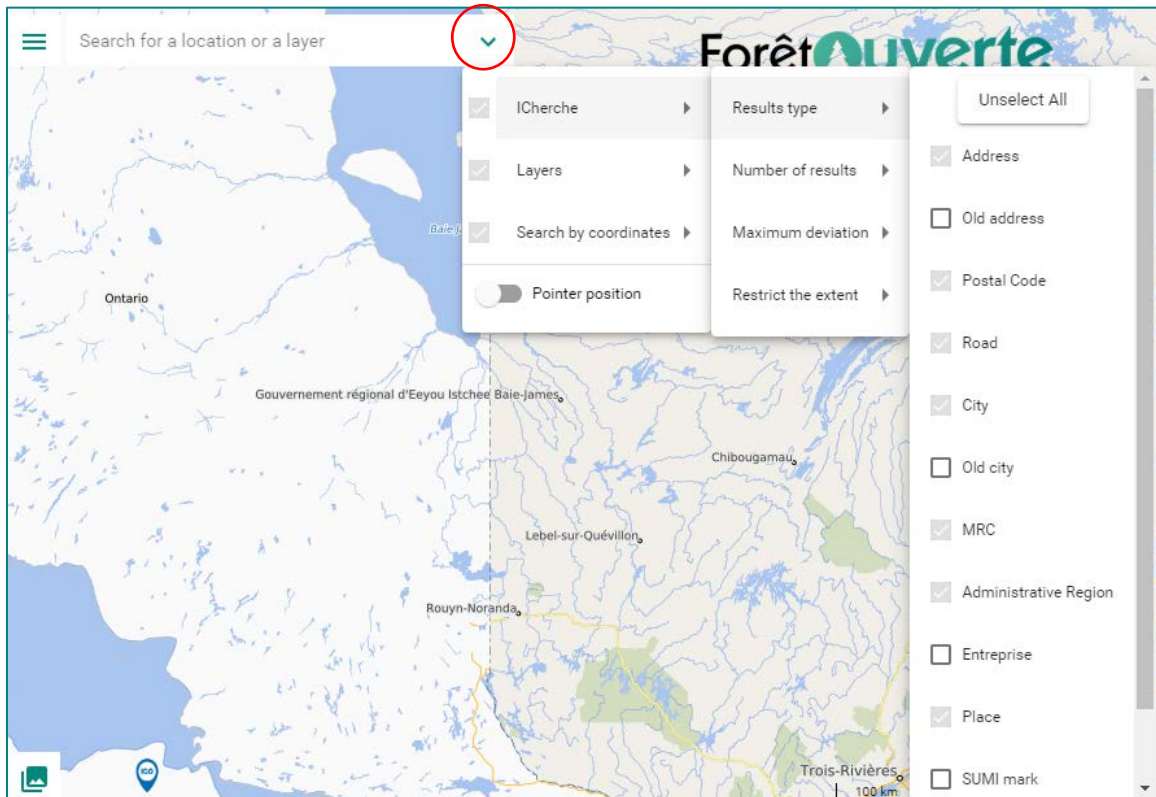


First, type the place or name of a layer in the **Search bar**, for example, “Québec”. The search results are displayed underneath. Different icons are used to distinguish the type of search results, for example a city, a lake, a mountain, etc., found via the « iCherche » search engine or a layer.



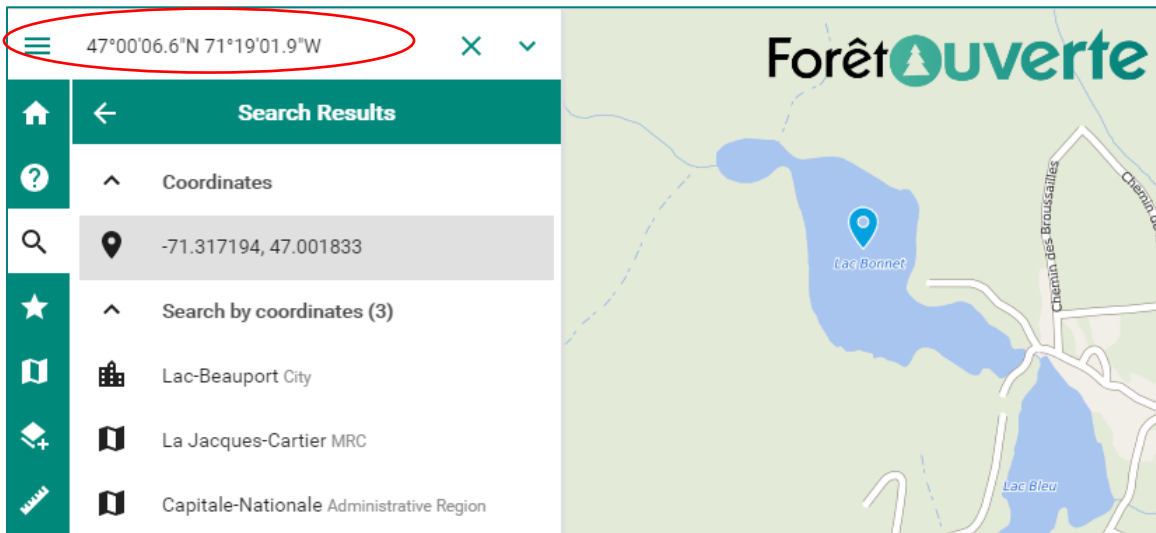
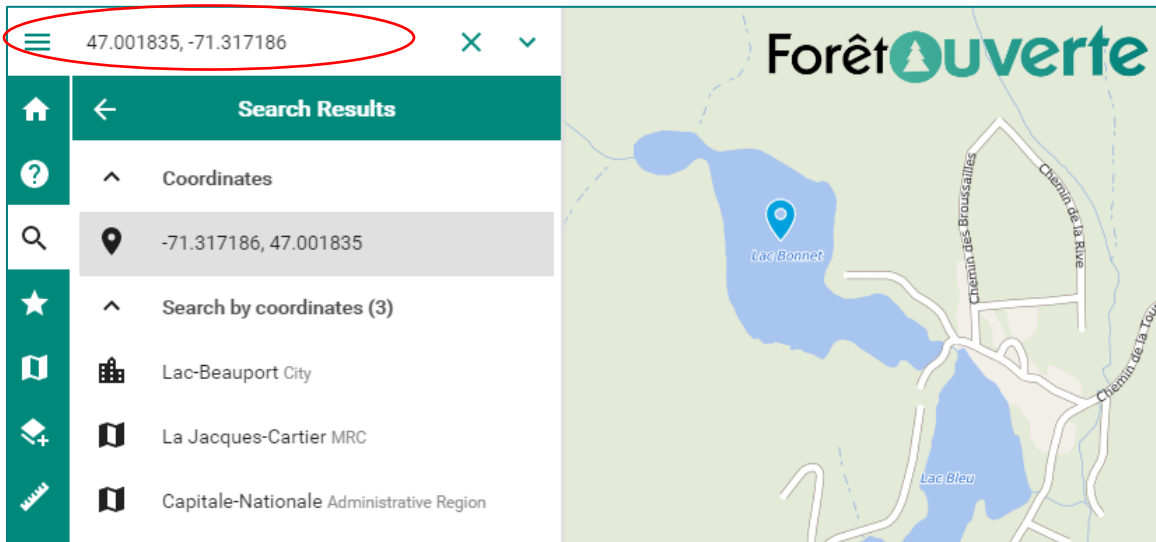
In order to add a layer to the map from the search results, click the **+** beside the layer name. The icon changes into a red garbage to show that the layer has been added to the map. It is possible that the layer does not appear if the display scale is too small. Click the **Map** feature to consult the display options, or visit the [Layer Display Scale and Zoom](#) section of this guide.

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.



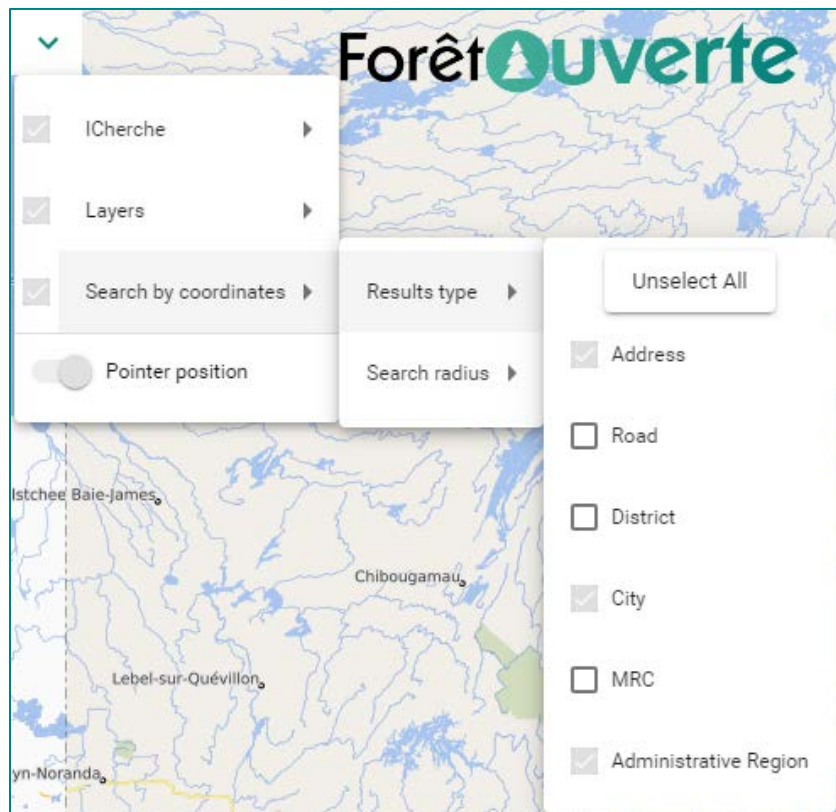
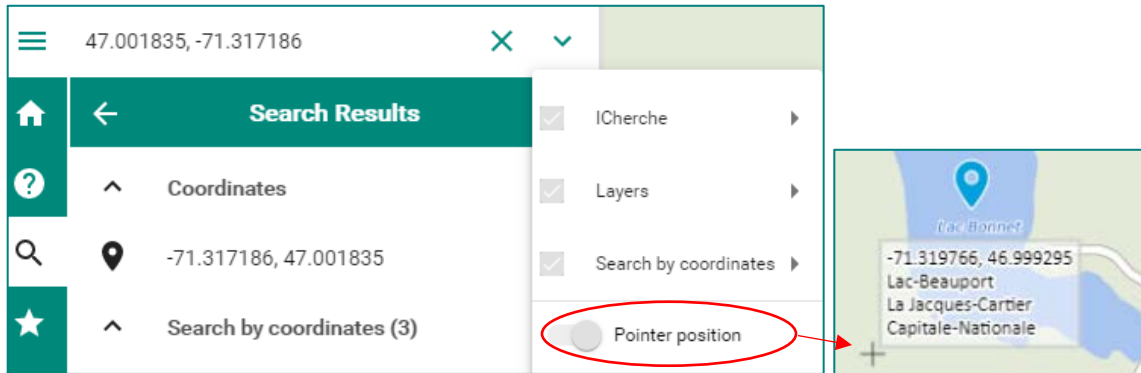
## Search by Coordinates

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).



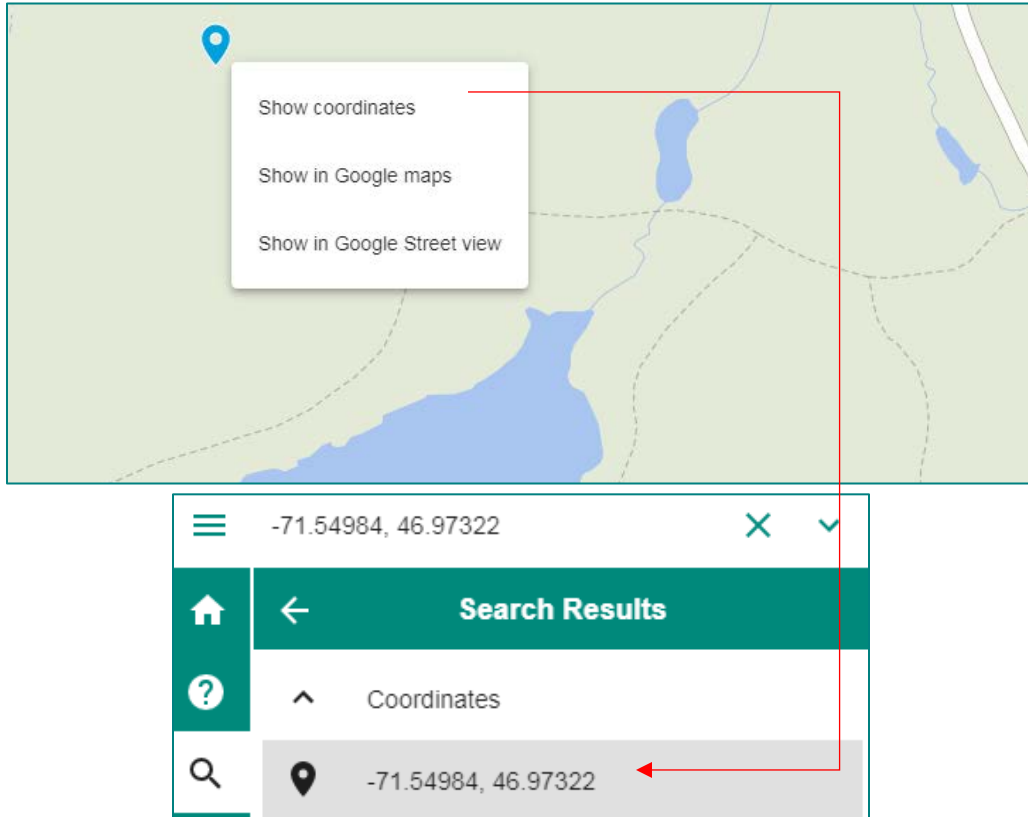
## Pointer Position

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. You can also use the F2 key to activate/deactivate this option. 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.



## 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

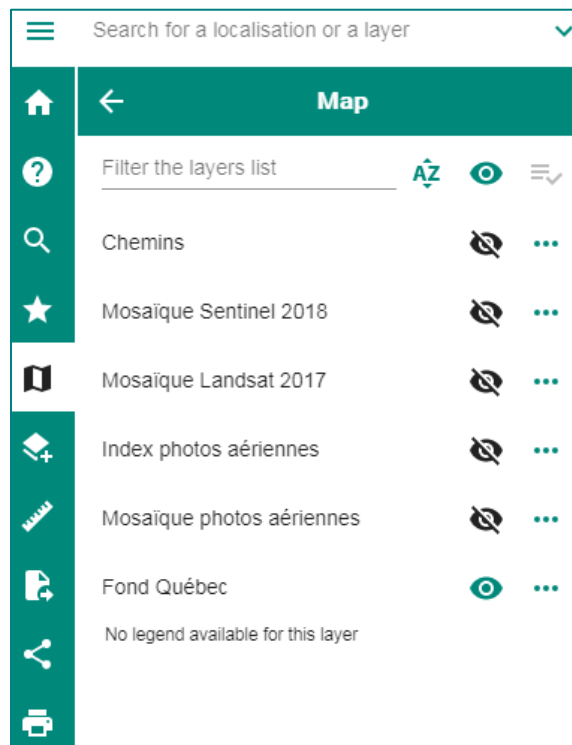
It is possible to find your current location using the **GPS location tool** found at the bottom right of the screen. This option allows you to center the map on your actual location.



## 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 (Roads)”, “Mosaïque Sentinel 2018 (2018 Sentinel Mosaic)”, “Mosaïque Landsat 2017 (2017 Landsat Mosaic)”, “Index photos aériennes (Aerial Photography Index)”, “Mosaïque photos aériennes (Aerial photography Mosaic)”, and the “Fond Québec (Gouvernement du Québec basemap)”. By default, the basemap is the only visible layer . To make the other layers visible, click on the  (the eye becomes green).

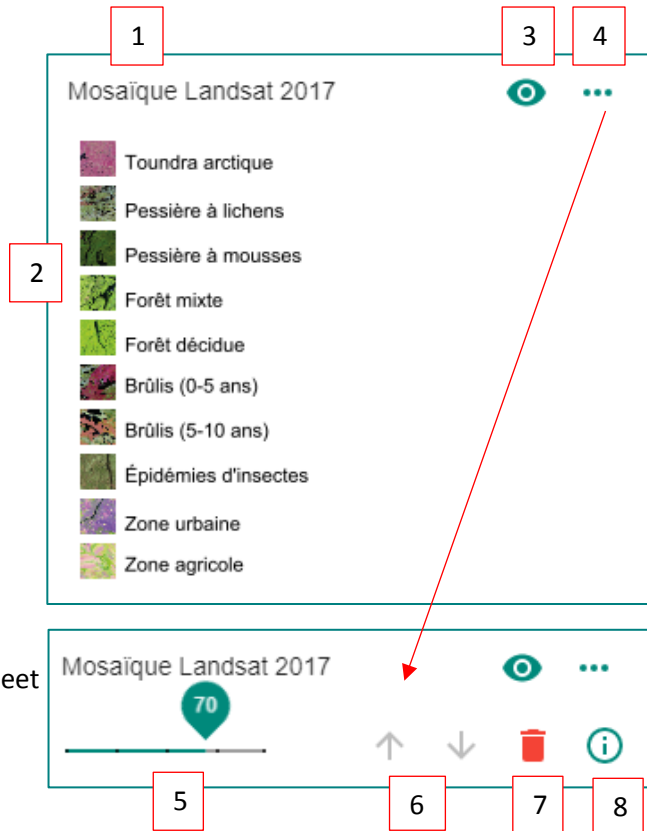


A shortcut at the bottom left of the screen allows you to quickly switch between the basemaps available in the chosen **Map theme**.



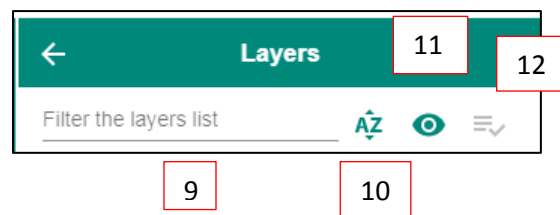
## Layer Display Options

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 opens by default.
3. Display or hide the layer
4. Additional options for the layer
5. Change the transparency of the layer
6. Change the order of the layers
7. Remove the layer from the **Map**
8. Consult the [Données Québec](#) data factsheet



## Filter the Layers in the Map feature

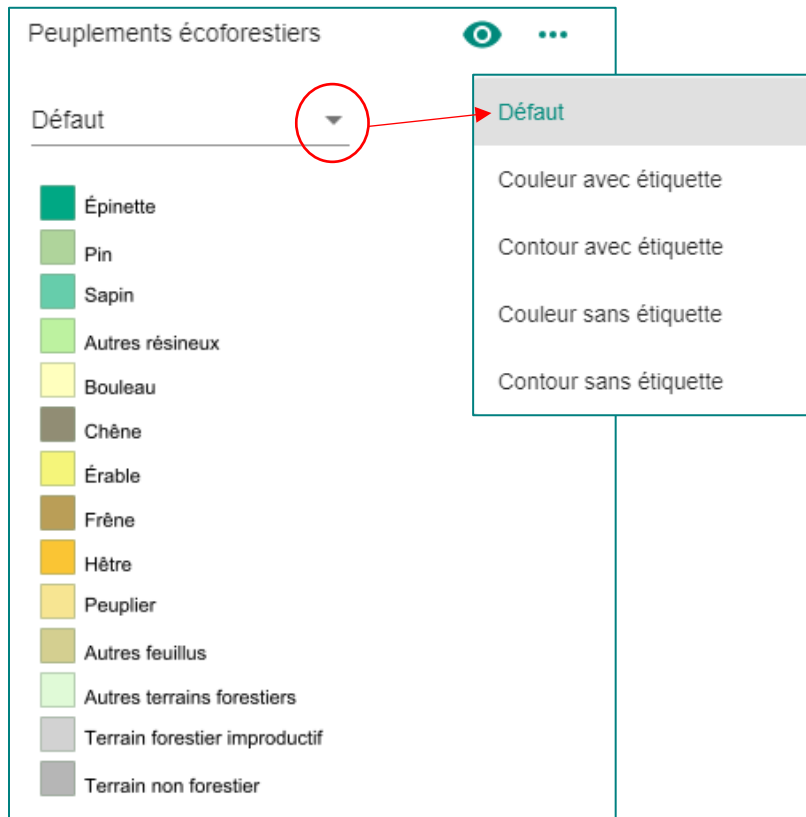
9. Search for layers within the **Map**
10. Sort the layers in alphabetical order
11. Show only the visible (green eye) layers
12. Keep only the layers that correspond to the active display scale



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

## Legend Options

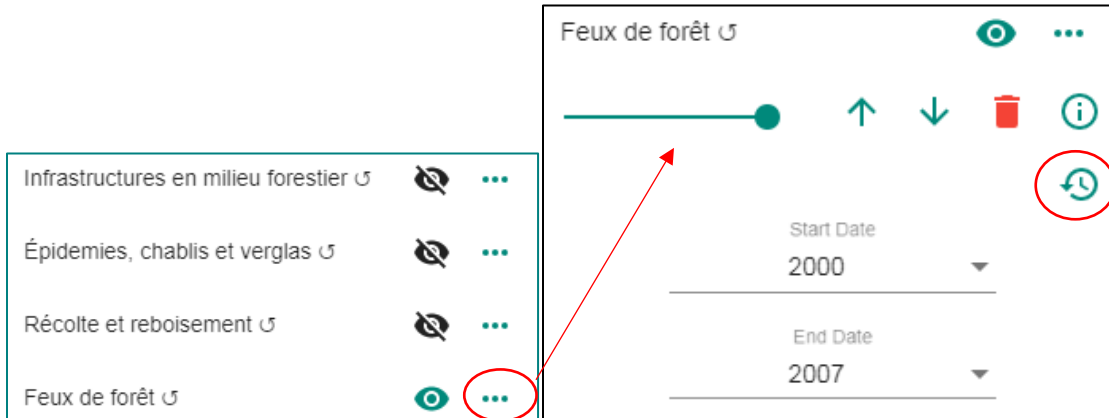
Certain layers have several legend options. You can choose the legend option that best corresponds to your needs. By default, the legend appears when the layer is active (green eye). Click on the name of the layer to display its legend if the latter is hidden. Click on the arrow to the right of the legend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



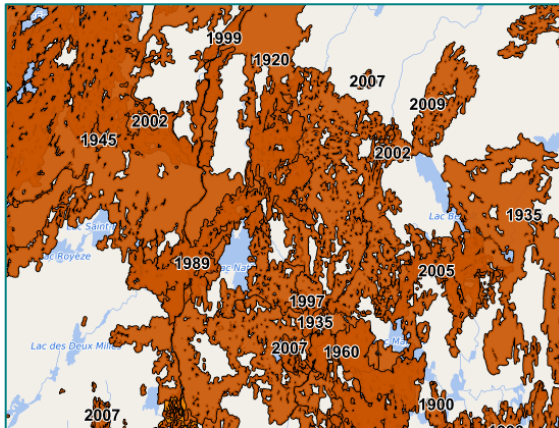
## 🕒 Temporal filter

The **temporal filter** feature allows you to define a time lapse on the layer you wish to display. This feature is only available for four layers (layers with a 🕒). These layers are grouped in the “Perturbations de la forêt” **Map theme**.

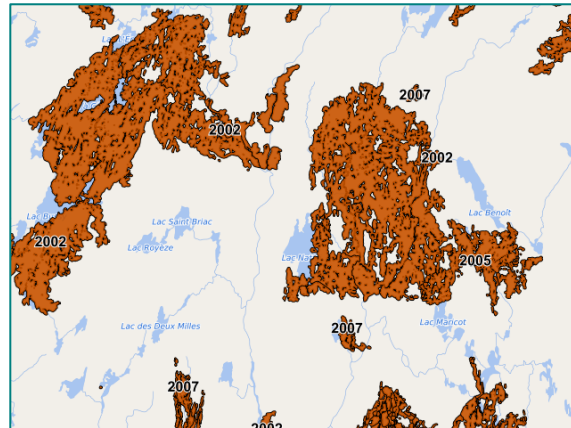
To access the temporal filter, click on the ... next to the “**Feux de forêt**” layer, for example, and then on the temporal filter icon 🕒. Choose the desired time lapse, such as the forest fires that occurred between the years 2000 and 2007.



Map without a filter




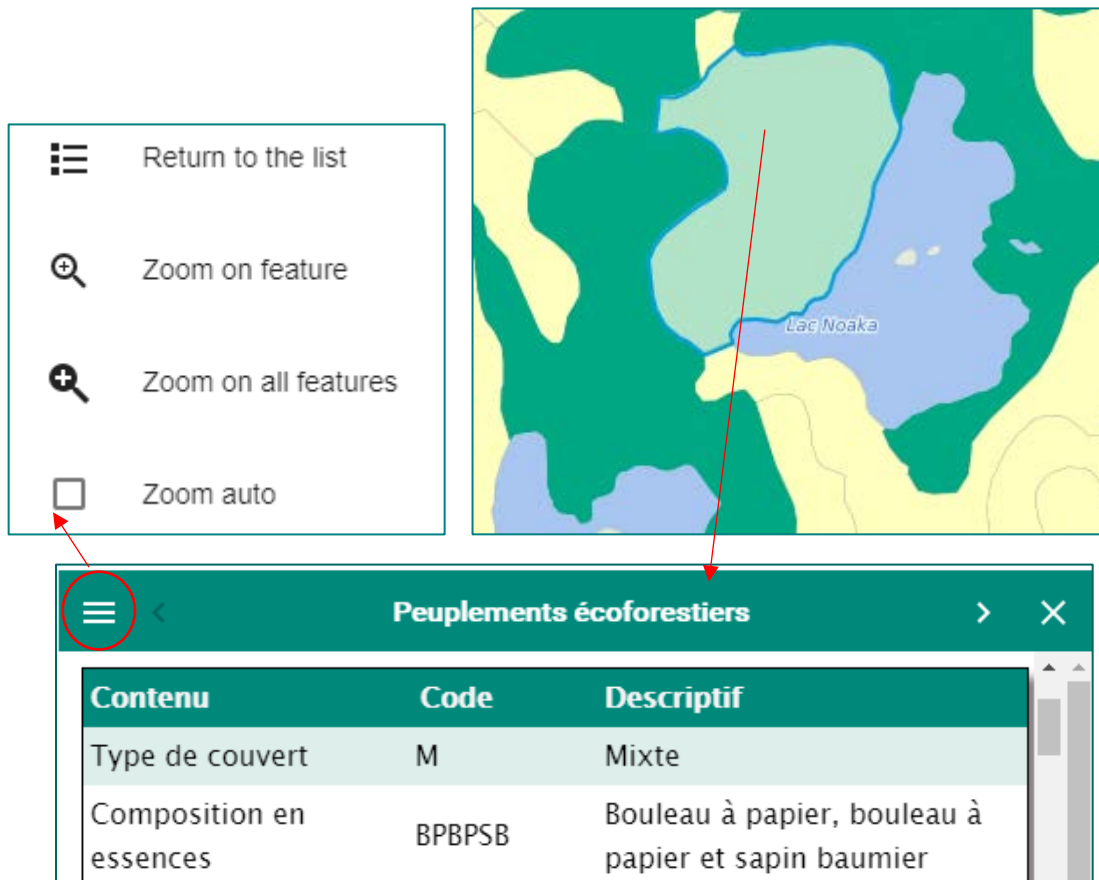
Map with a filter



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.



## Descriptive Tables

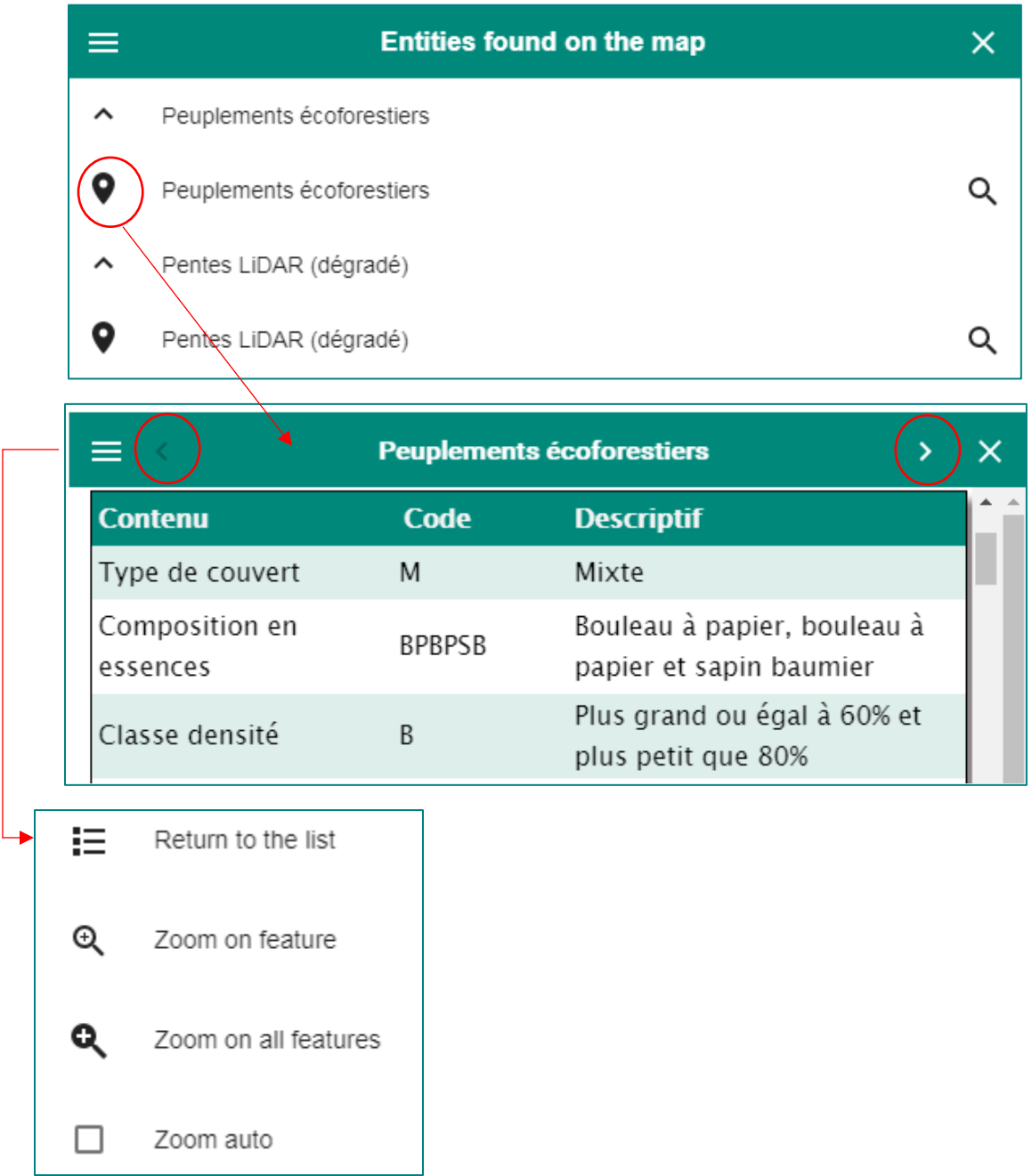
It is possible to obtain additional information on a layer's attributes when this information is available. Simply click on the desired feature of a layer to open its descriptive table. For example, if you are viewing the layer "Peuplements écoforestiers" and you click on a forest stand, a new window 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 auto" function allows the automatic zoom on selected elements.



The diagram illustrates the process of opening a descriptive table for a forest stand. On the left, a menu is shown with four options: "Return to the list" (with a list icon), "Zoom on feature" (with a magnifying glass icon), "Zoom on all features" (with a magnifying glass icon), and "Zoom auto" (with a square icon). A red arrow points from the "Zoom auto" option to a map of a forest stand. The map shows a blue lake labeled "Lac Noaka" surrounded by green and yellow forest areas. A red arrow points from the "Zoom auto" option to the descriptive table below.

Contenu	Code	Descriptif
Type de couvert	M	Mixte
Composition en essences	BPBPSB	Bouleau à papier, bouleau à papier et sapin baumier





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 ( icon found at the top left of the table).



The image illustrates the user interface for viewing entity details. It consists of three main parts:


- Entities List:** A panel titled "Entities found on the map" containing a list of layers. The layer "Peuplements écoforestiers" is selected, indicated by a red circle around its location pin icon.
- Table View:** A detailed view for the selected layer, titled "Peuplements écoforestiers". It features a table with the following data:
 

Contenu	Code	Descriptif
Type de couvert	M	Mixte
Composition en essences	BPBPSB	Bouleau à papier, bouleau à papier et sapin baumier
Classe densité	B	Plus grand ou égal à 60% et plus petit que 80%

 Navigation arrows (left and right) are visible above the table title.
- Context Menu:** A menu is displayed below the table, listing actions:
  -  Return to the list
  -  Zoom on feature
  -  Zoom on all features
  -  Zoom auto

## Layer Display Scale and Zoom

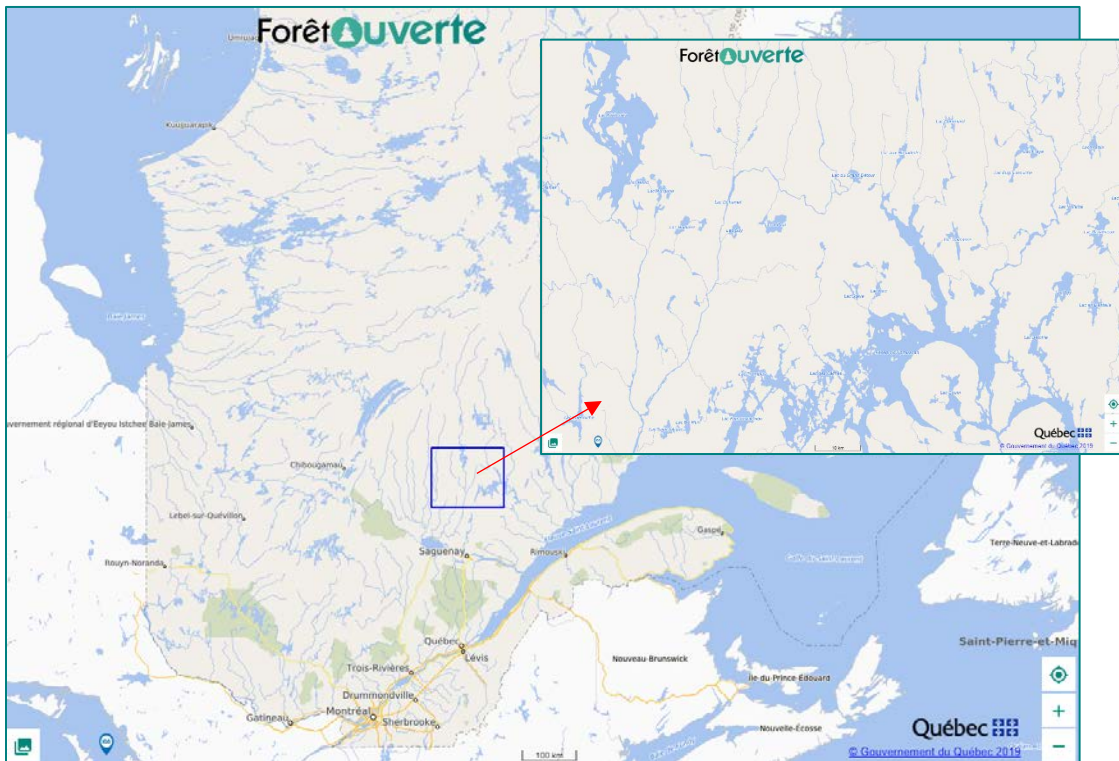
Certain layers, such as the « Peuplements écoforestiers » are too heavy to display on a provincial scale. To remedy this situation, display scales are set for certain layers. The display parameters for these layers can be found in [Appendix 1](#).

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 activate 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).

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

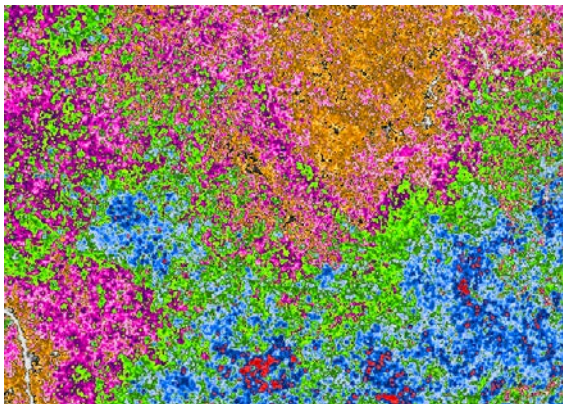
For certain layers, a salmon colored imprint appears to show the areas where the data is available. Simply zoom to the active view scale to view the content of the layer.



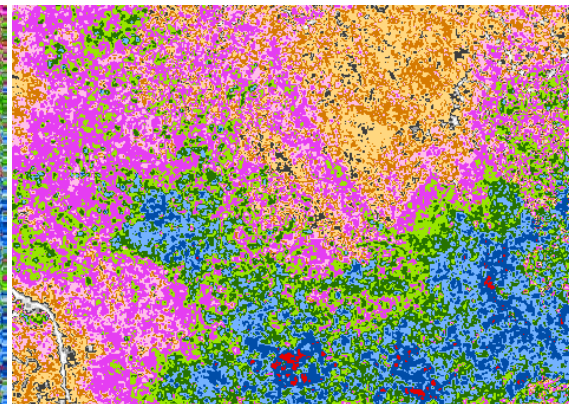
## Downscaled Resolutions

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



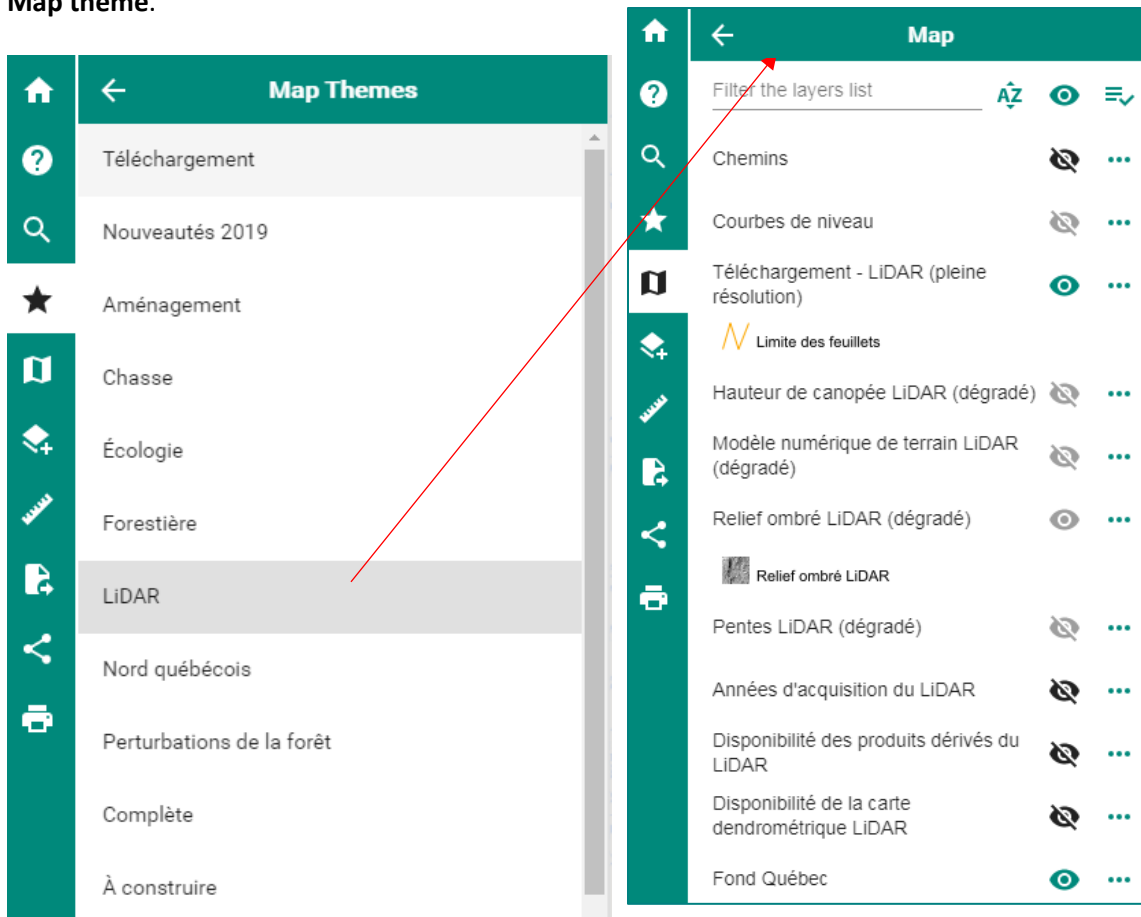
Downscaled Resolution Canopy Height Model



## ★ Map themes

The **Map themes** feature allows for the quick display of layers grouped under different themes. 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**.

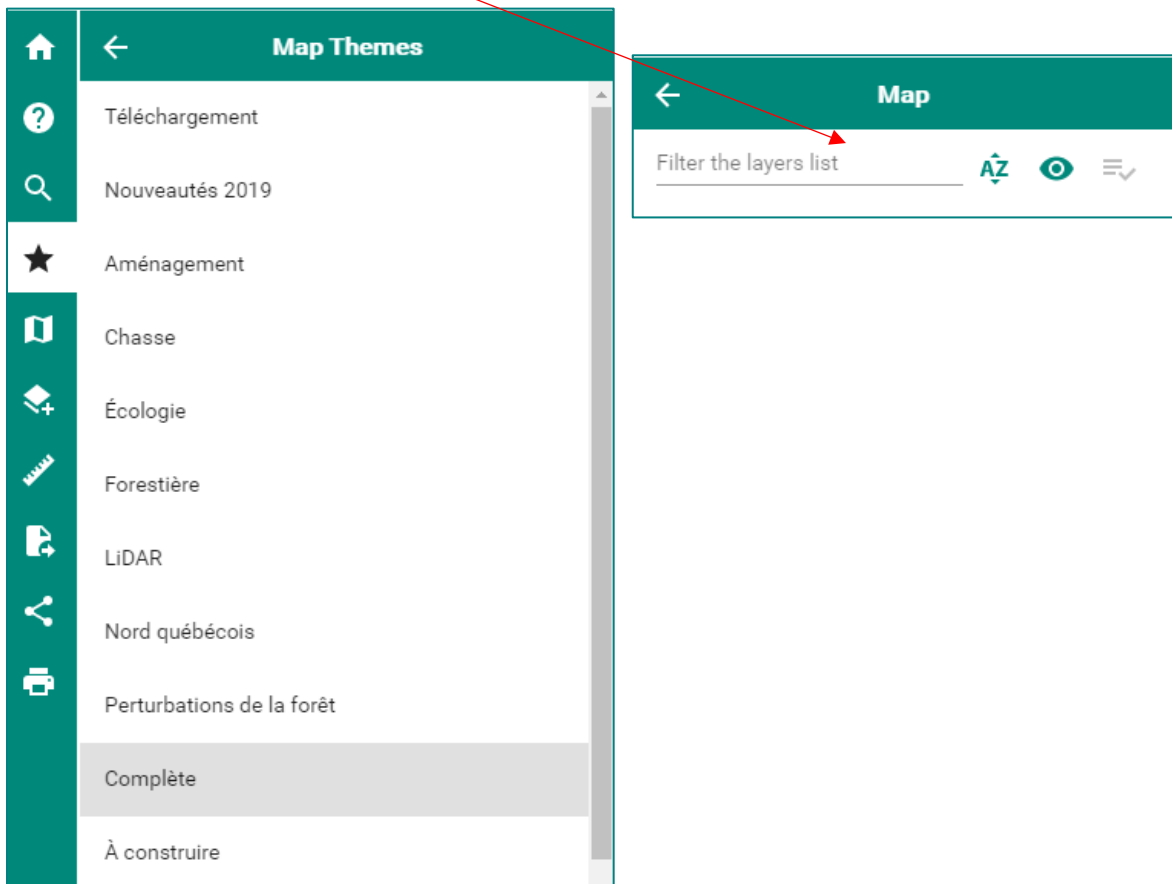
For example, all four LiDAR derivative products, their download index layer and the maps showing their planned availability, as well as the index showing the acquisition years of LiDAR data and the planification map for the availability of the LiDAR dendrometric map, are found in the “LiDAR” **Map theme**.




**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**.



**TIP** : Before changing your **Map theme**, share your map! Visit the [Share](#) section in this guide for more information.

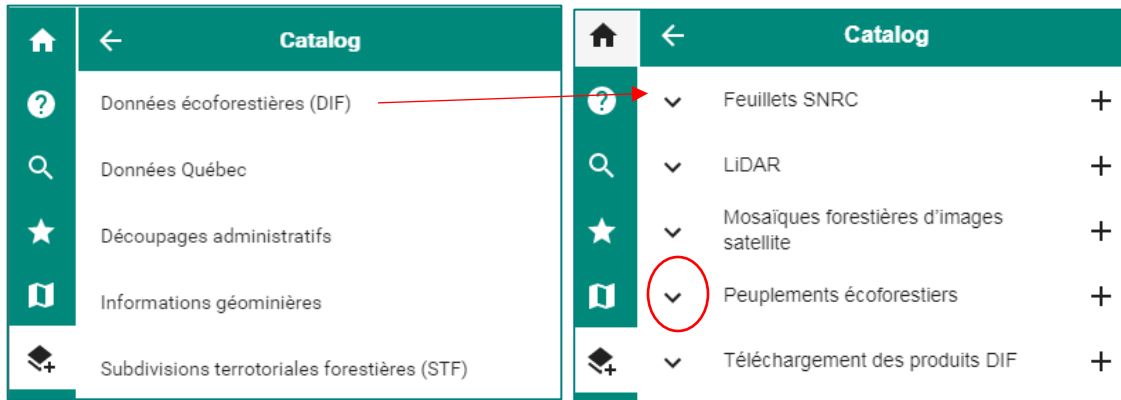
If you choose the “Complète” **Map theme**, all the layers found in the “Données écoforestières (DIF)” Catalog (omitting certain layers such as annual disturbance layers), will be added to the **Map** feature as well as some layers that are not found in the catalog. This way, it is possible to access all the layers of interest without having to add them individually through the **Catalog** feature or **Search bar**. Use the [filter options](#) within the **Map** feature to find desired layers.




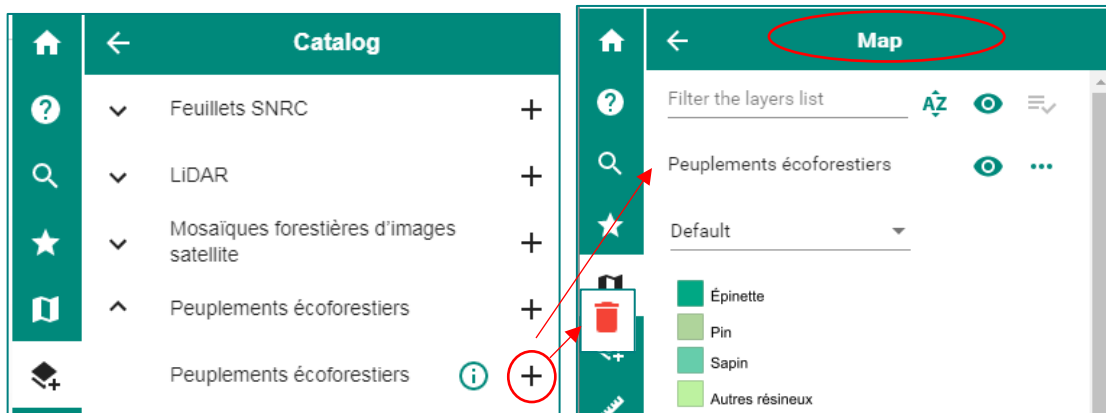
## Catalog

The **Catalog** contains all the layers that can be added to the **Map** feature. Click on the **+** icon 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 or click on the **+** to add the entire group.



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

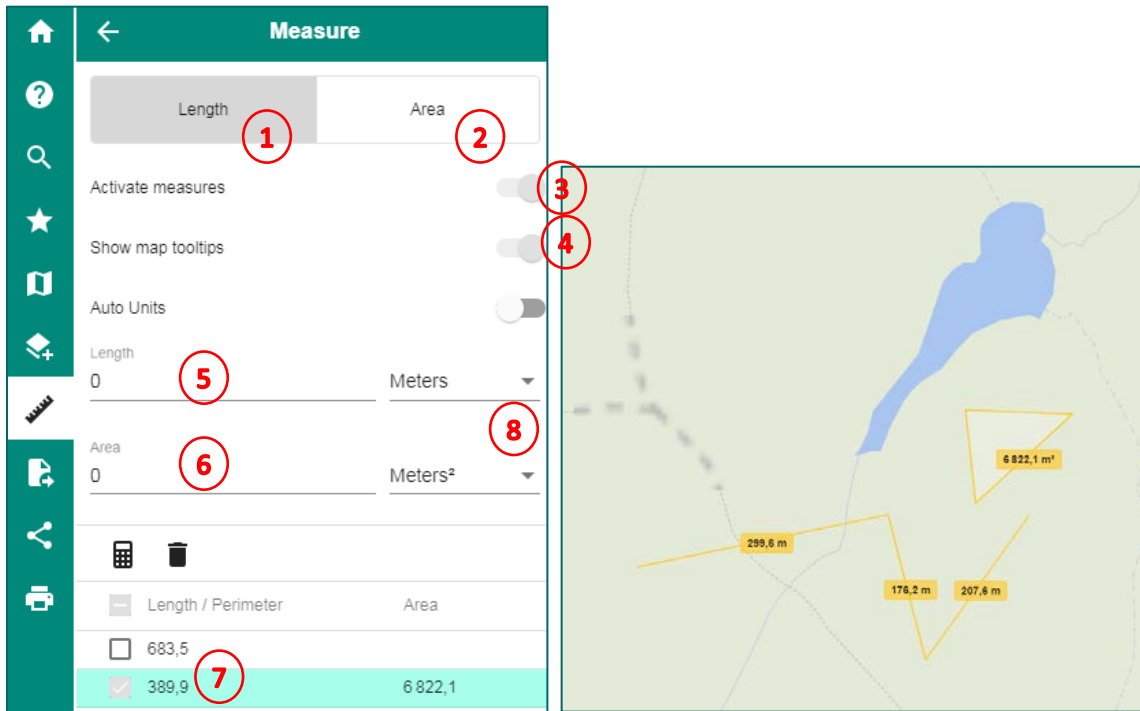


Consult [Appendix 2](#) for a complete list of layers found in the “Données écoforestières (DIF)” catalog.

 Measure

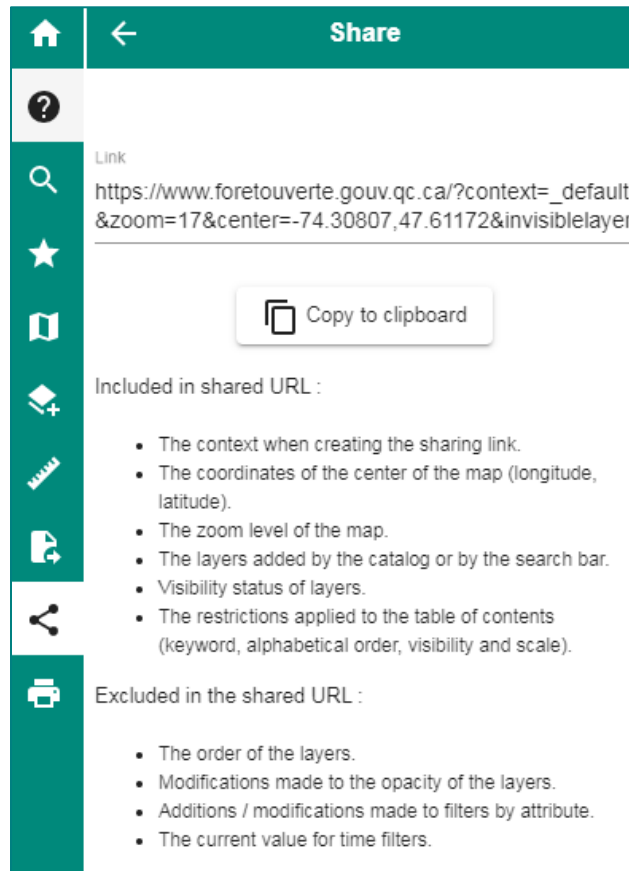
It is possible to measure different lengths (1) and areas (2) on your map using the **measure** tool. Once the measure tool is activated (3), simply click on the map. It is possible to measure several segments. Simply double click to end the segments and add up their distances. Each segment has a length 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 and it is possible to delete them by clicking on the red 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 (6). It is possible to change the units (8) 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.

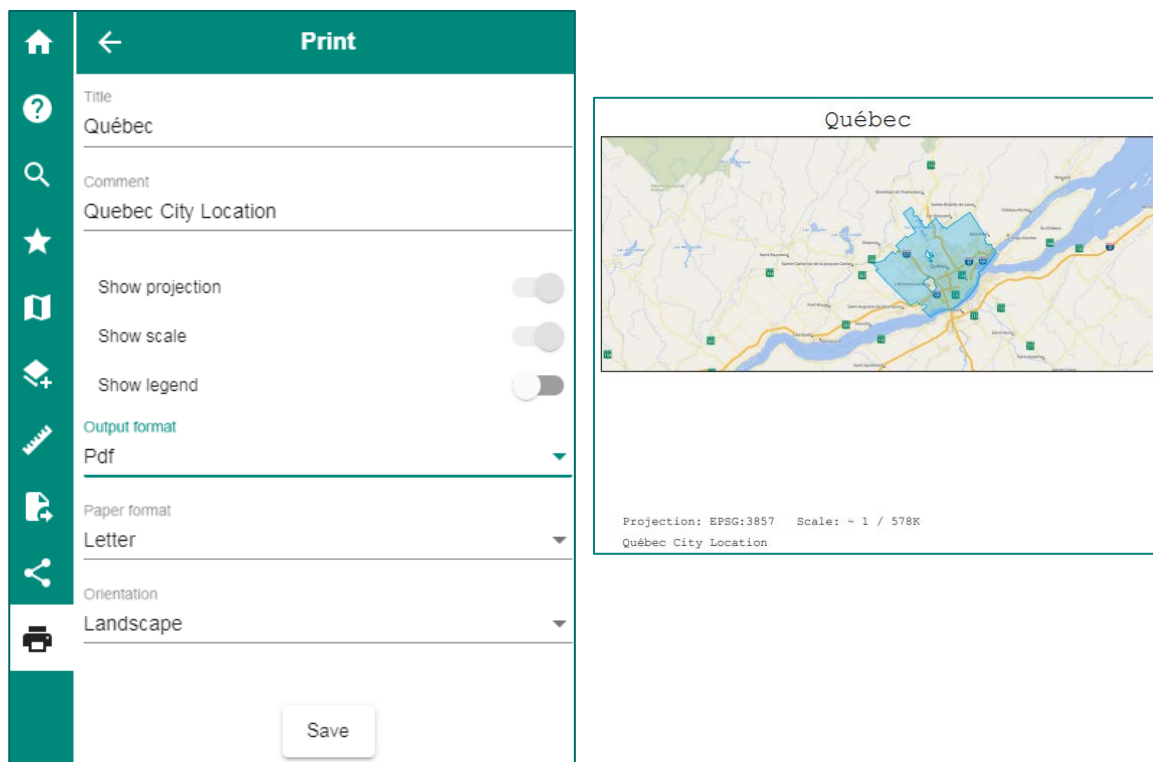




## Print

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.

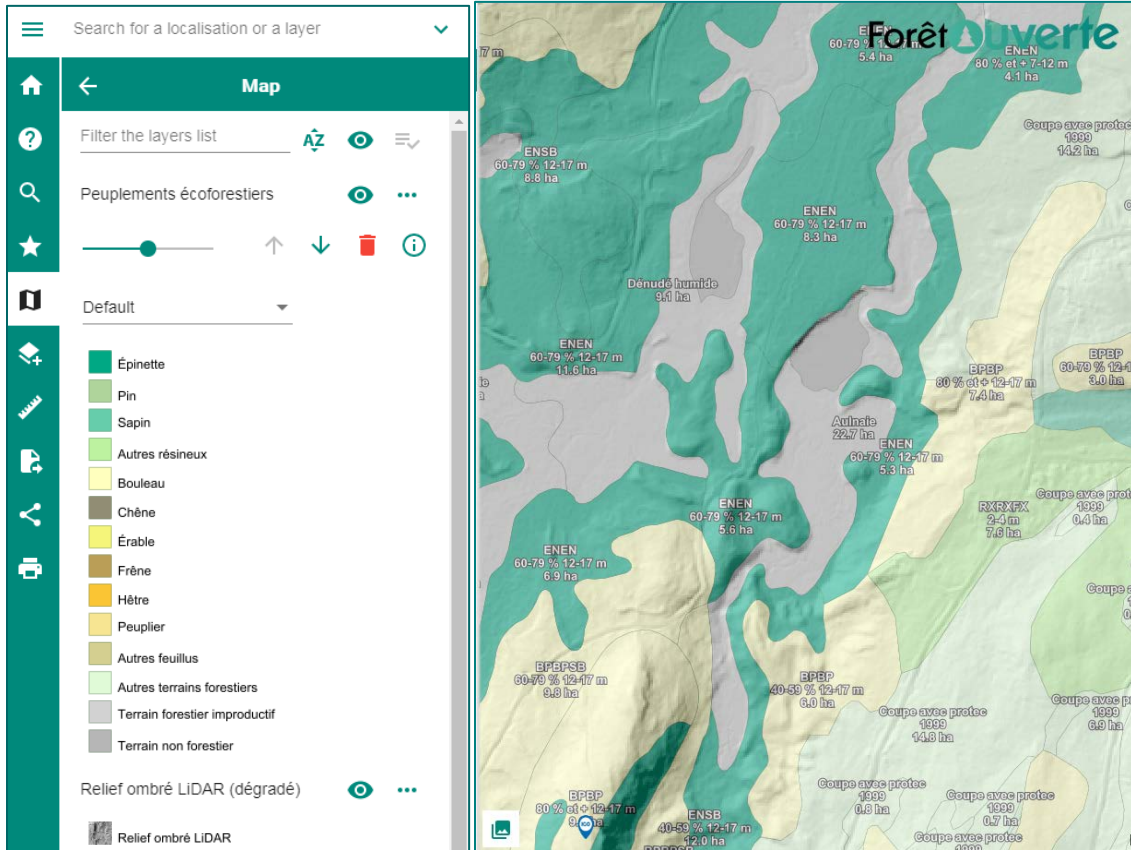


### Note:

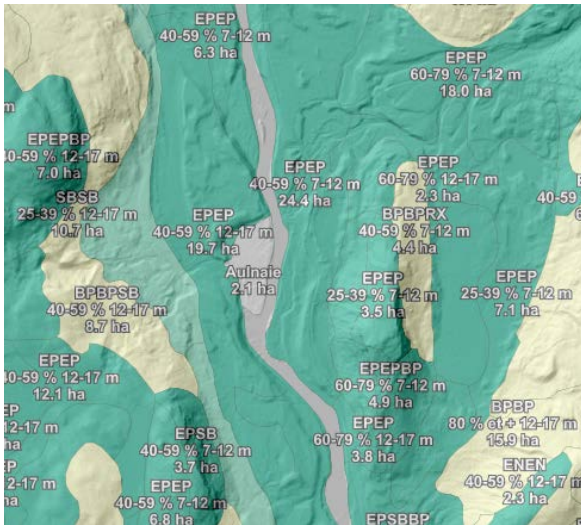
The display of the legends in printed maps should be improved in later versions of *Forêt ouverte*. Also, it is not yet possible to obtain a georeferenced map usable offline, but seeing as this feature is in high demand, it will also be evaluated for the following versions of *Forêt ouverte*.

## Map Project Example

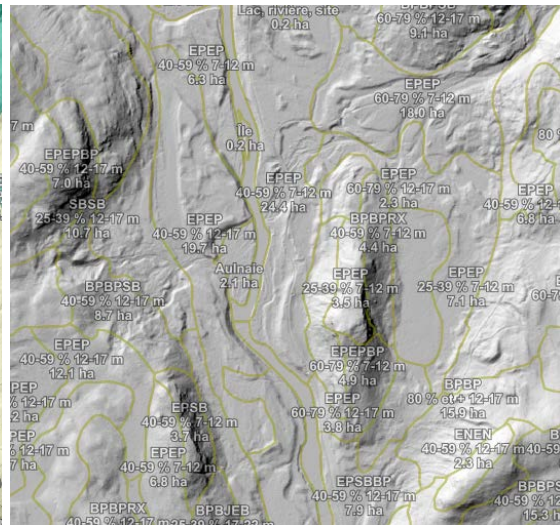
“Peuplement écoforestier” layer with 50% transparency overlapping the “Relief ombré LIDAR” layer.



Legend : “Couleur avec etiquette”



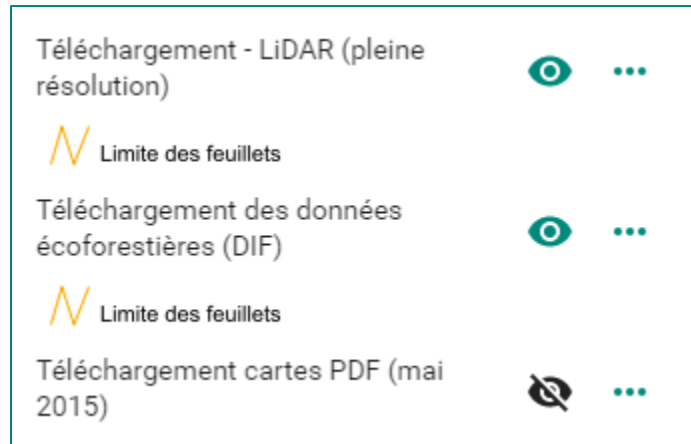
Legend : “Contour avec etiquette”



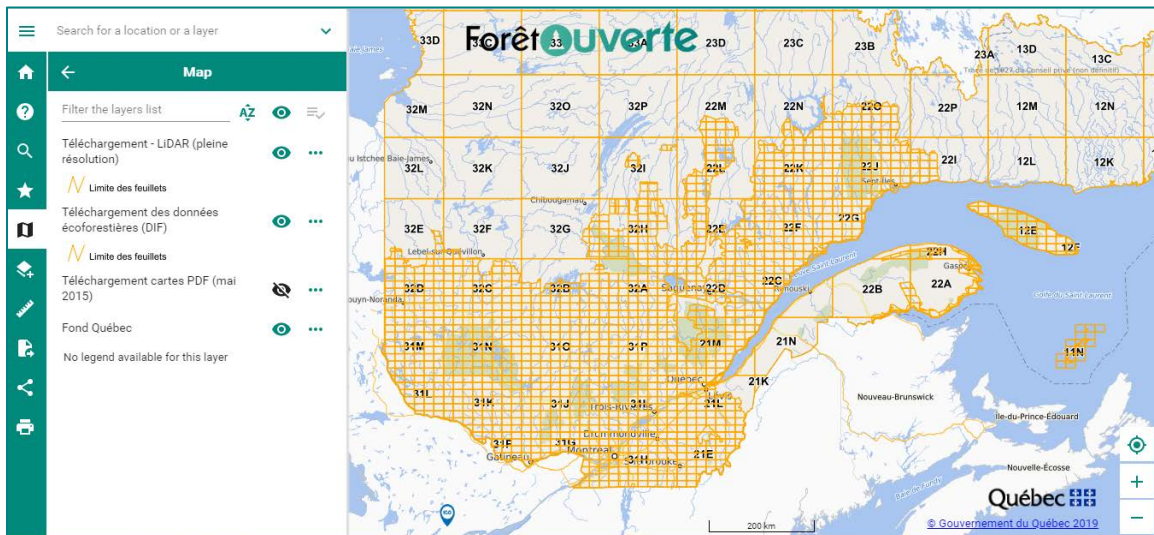
## Download

The *Forêt ouverte* interface offers two simple ways to freely download the data produced by the DIF.

1. The first way consists in choosing the **Map theme** “Téléchargement”. You will then find in the **Map** feature three download index layers : “Téléchargement – LiDAR (pleine résolution)”, “Téléchargement des données écoforestières (DIF)”, and “Téléchargement cartes PDF (mai 2015)”. Note that these layers can also be added to the **Map** feature using the **Catalog** or **Search bar**. The download layers can also be found in the “Complète” **Map theme**.



Two indexes with map sheets scaled at 1/20 000 for the PDF and LiDAR products and one index with map sheets scaled at 1/250 000 for other data are used to locate the territories for which you wish to download data.



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.

The screenshot shows a map grid with sheets labeled 32G, 32H, 22E, 32B, 32A, 22D, 31O, 31P, and 21M. Sheet 32A is highlighted in blue. Below the map is a green navigation bar with the text "Téléchargement des données écoforestières (DIF)". Below the navigation bar is the text "Feuille 1:250 000 - 32A". Below this is a table with two columns: "Données disponibles" and "Répertoire données".

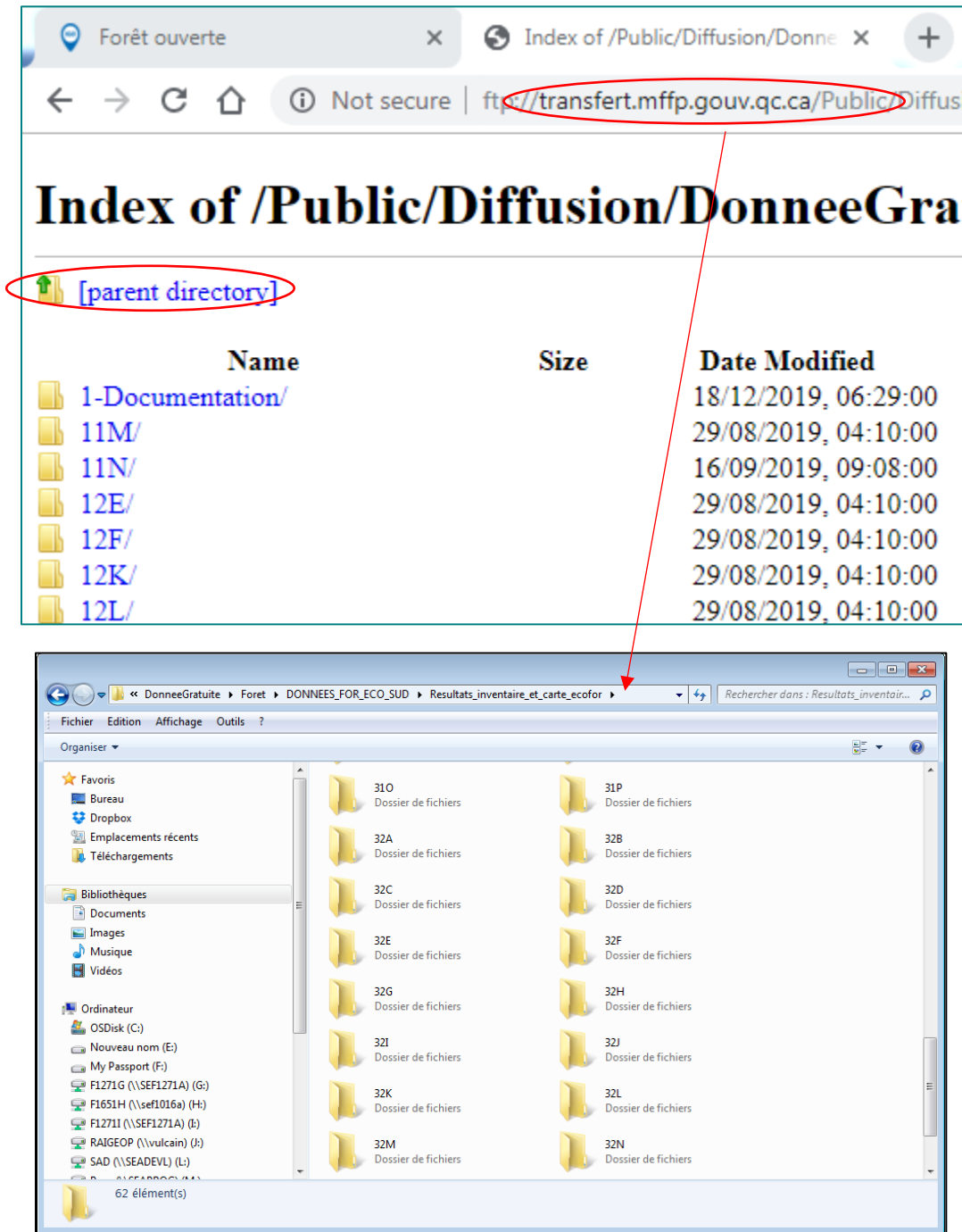
Données disponibles	Répertoire données
<a href="#">Carte écofor. avec perturbations</a>	ACCÉDER
<a href="#">Résultats d'inventaire et carte écofor.</a>	ACCÉDER
<a href="#">Feux de forêt</a>	ACCÉDER
<a href="#">Récolte et reboisement</a>	ACCÉDER

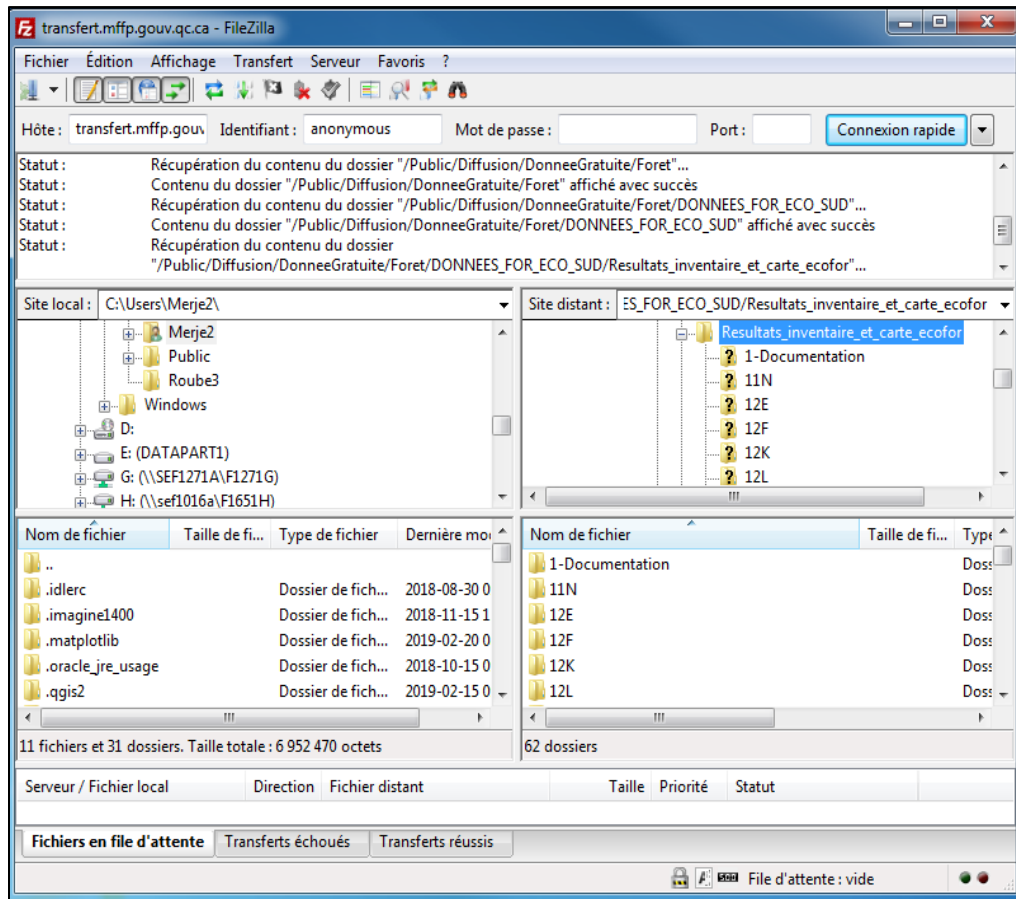
Click on the **ACCÉDER** button to download the product of your choice. You will then be re-directed to an FTP site where you can consult the desired folder.


The screenshot shows a web browser window displaying an FTP site. The address bar shows "ftp://transfert.mffp.gouv.qc.ca/Public/Diffu". The page title is "Index of /Public/Diffusion/DonneeGra". Below the title is a directory listing table.

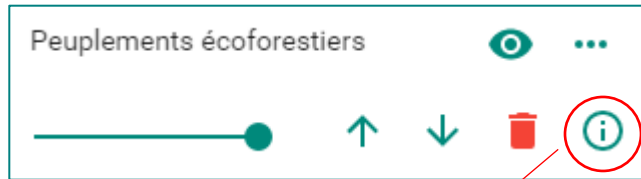
Name	Size	Date Modified
<a href="#">[parent directory]</a>		
<a href="#">CARTE_ECO_MAJ_32A_10.zip</a>	420 MB	29/08/2019, 02:52:00
<a href="#">CARTE_ECO_MAJ_32A_93.zip</a>	419 MB	29/08/2019, 02:53:00

It is also possible to download more than one map sheet by clicking on the link [parent directory]. You can then copy the FTP address in Windows explorer window or use the free software FileZilla, and simply copy-paste all the folders of interest.





- 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.).



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### INVENTORY RESULTS AND ORIGINAL ECO-FOREST MAP

The inventory results and the ecoforestry map are a collection 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**



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

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**Dataset** Categories Historical applications

**Additional data and resources (5)**

**Interactive Map**  
HTML  
**Open forest**  
View and download (ArcGIS versions 9.3 and 10) [Access](#)

**Data**

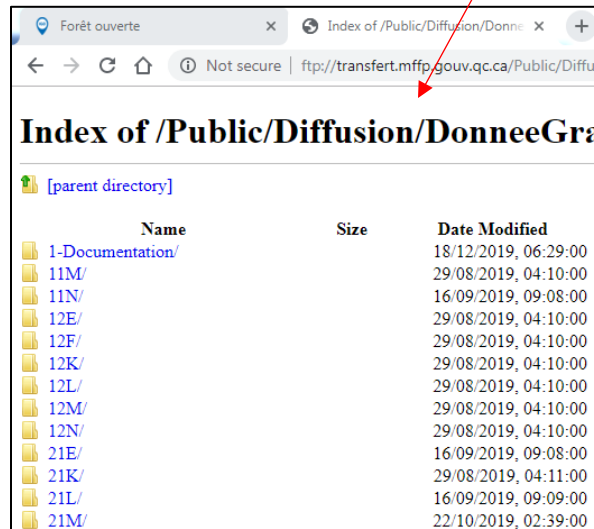
CSV  
**Download links per sheet 1: 250,000**  
Index - ArcGIS 9.3 and 10 versions [Download](#) [Download](#)

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

**Documentation**

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.

<b>Organization</b>	Ministry of Forests, Wildlife and Parks
<b>Categories</b>	Environment, natural resources and energy
<b>Keywords</b>	Agency , Ecological classification , Forest compilation , Forest , Inventory , Integrated product , Forest station , UA , Volume , Ecoforestry ,
<b>Responsible</b>	Forestry Sector-Forest Inventory Directorate (DIF)
<b>email</b>	services.clientele@mffp.gouv.qc.ca
<b>Update frequency</b>	Annual
<b>Geographic coverage</b>	Other
<b>Temporal coverage</b>	1998-01-01 / 2016-01-01
<b>Further information</b>	Since 2014, all the work processes supporting the production of this dataset have been certified according to ISO 9001: 2015
	<a href="#">Access the data directory</a>



## 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

### **Feuillets SNRC**

- Feuilles 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, 2011-2018)
- Mosaïque Sentinel (2018)

### **Peuplements écoforestiers**

- Peuplements écoforestiers

### **Téléchargement des produits DIF**

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

### **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

### **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 1976-2017)

### **Feux de forêt annuels**

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

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

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

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

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

### **Productivité potentielle par essence**

- Hauteur potentielle à 50 ans (m)  
(EPN, EPB, EPR, SAB, PIB, PIG, BOP, PET, THO, 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)

### **Volumes forestiers**

- Volumes marchands bruts (7 m et +)

### **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

### **Pentes**

- Pentes numériques

### **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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