

MapBox Management

You may be expected to check on data or even edit/add data via MapBox in the administration of MarinePlanner to add layers. You may also need access to update passwords or manage costs. This document is a little more in-depth in how to do that. Many references will be made to other documents, primarily the Site Administrator Guide. All of these can be found in the Share Folder, or here: <https://github.com/ECOTRUST/PEW-EFH/tree/master/docs/Handoff>

TABLE OF CONTENTS:

[Logging In](#)

[Account/Free-Use Quotas](#)

[Uploading Layers](#)

[Prep the data](#)

[Upload](#)

[Tilesets](#)

[Styles](#)

[Adding Layers To MarinePlanner](#)

Logging In

Login credentials and information have been provided in the file share.

Go to <https://www.mapbox.com/> to log in.

Account/Free-Use Quotas

Your account dashboard (once logged in) can be found here: <https://www.mapbox.com/account/>

- Quotas:
 - you can review your monthly usage on this page for Map views, Tilequery requests, and storage.
 - Currently there is no Credit Card associated with this account, so there is a limit to how many requests can be made to MapBox or how much data is uploaded, however current use suggests that these limits will never be reached.
- Access Tokens:
 - You can find your access token here. It's good not to share it, as other people or sites could use it to query your data. No private data is up here yet, so security isn't the issue, but API usage quotas are.

- NOT RECOMMENDED: This section allows you to easily change your access token in the event of leakage, BUT changing this would mean:
 - needing to change the “Access Token” field in every MapBox layer in MarinePlanner.
 - New MapBox Layers in MarinePlanner would need this value copied and pasted into the form
 - Ideally someone would change the code’s “settings_local.py” setting for “MAPBOX_ACCESS_TOKEN” so that new layers would get this automatically, rather than having to copy/paste this every time
- Settings
 - From here you can:
 - Change your organization name
 - Change the account email address
 - Change your profile photo
 - Change the account password
 - NOT RECOMMENDED: Delete your account

Uploading Layers

Prep the data

To load a new layer to be served by map, you need to convert your layer to be formatted as an ESRI Shapefile. These “Files” are actually made up of several files - all with the same name, but different extensions like .shp, .shx, .prj, .dbf and so on. Zip all of these together into a single .zip file.

Upload

Navigate the MapBox site to get to MapBox Studio -> Tilesets:

<https://www.mapbox.com/studio/tilesets/>

Click on the “New Tileset” button and drag the file you want from your folder (on your computer’s file browser) into the pop-up window in your browser.

When the upload is complete, the data should appear in your Tilesets list.

Tilesets

Tilesets are raw map data. All shapes and attached attributes are stored here. More important to understand is that NO STYLING INFORMATION is collected or retained. You cannot view this data without applying style. A thumbnail image is provided where your data is given a random color and placed on a black background, but this cannot be used in MarinePlanner yet.

Styles

“Styles” in MapBox are what are often referred to as ‘layers’ or ‘rasters’ in webmapping. The ‘Styles’ section of MapBox studio allows you to create visual overlays from your tilesets.

You can see the existing Styles and create new ones here: <https://www.mapbox.com/studio/>

Teaching you how to do this is beyond the scope of this document, but ample resources to learn how are provided on that page, both written and video.

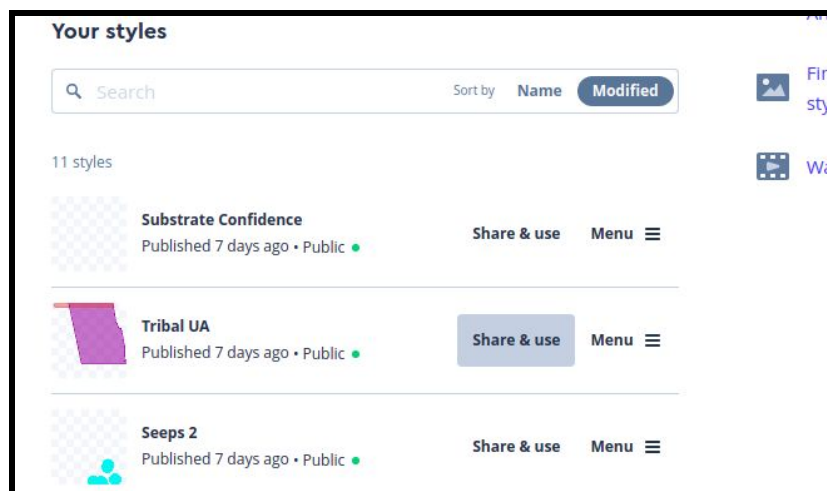
Note that for MarinePlanner, we are only creating overlays, not full ‘maps’ in MapBox Styles. If you have additional layers besides the tileset that you wish to make viewable in MarinePlanner (like streets data or other basemaps) please remove them. We want a transparent background.

Adding Layers To MarinePlanner

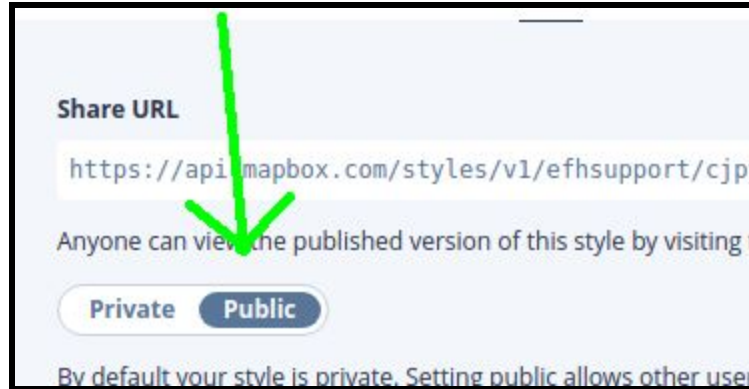
As covered in the Site Administrator documentation, you’ll need to log in to MarinePlanner as an admin and navigate to http://pewmarineplanner.ecotrust.org/admin/data_manager/layer/ and click on ‘Add Layer’. Here you will give your new layer a NAME and select MapBox for it’s type.

To get the URL:

- Find your layer’s Style here <https://www.mapbox.com/studio/>
- Click on “Share & Use”



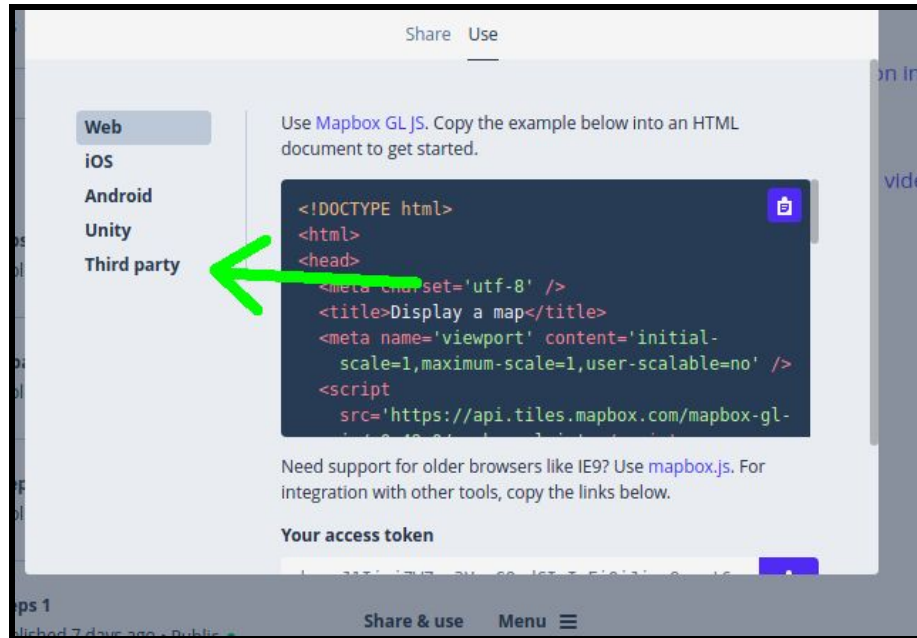
- In the pop-up, be sure to set your style to be ‘Public’



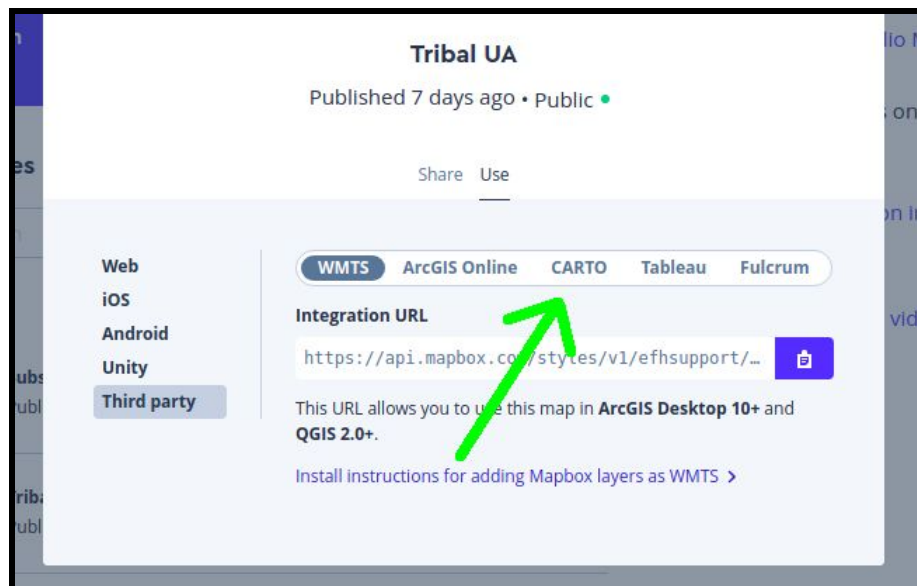
-
- Then click on “Use”



-
- Then select “Third Party”



- Then select “CARTO”



- Then copy the “Integration URL” (you can click on the clipboard icon to do this quickly)

- Check the box for “Enable mapbox id”
- Get the Tileset ID:
 - Navigate a browser to MapBox Studio Tilesets: <https://www.mapbox.com/studio/tilesets/>
 - Find the tileset that the Style layer was created using in the list
 - Click on Menu and copy the “Map ID” from the pop-up:



- You may alternately click on the layer name to open the layer details in your browser window, where you should have the same access to the “Map ID” value
- Paste that value into the “Mapbox tileset id” field in the MarinePlanner Layer form.
- Save