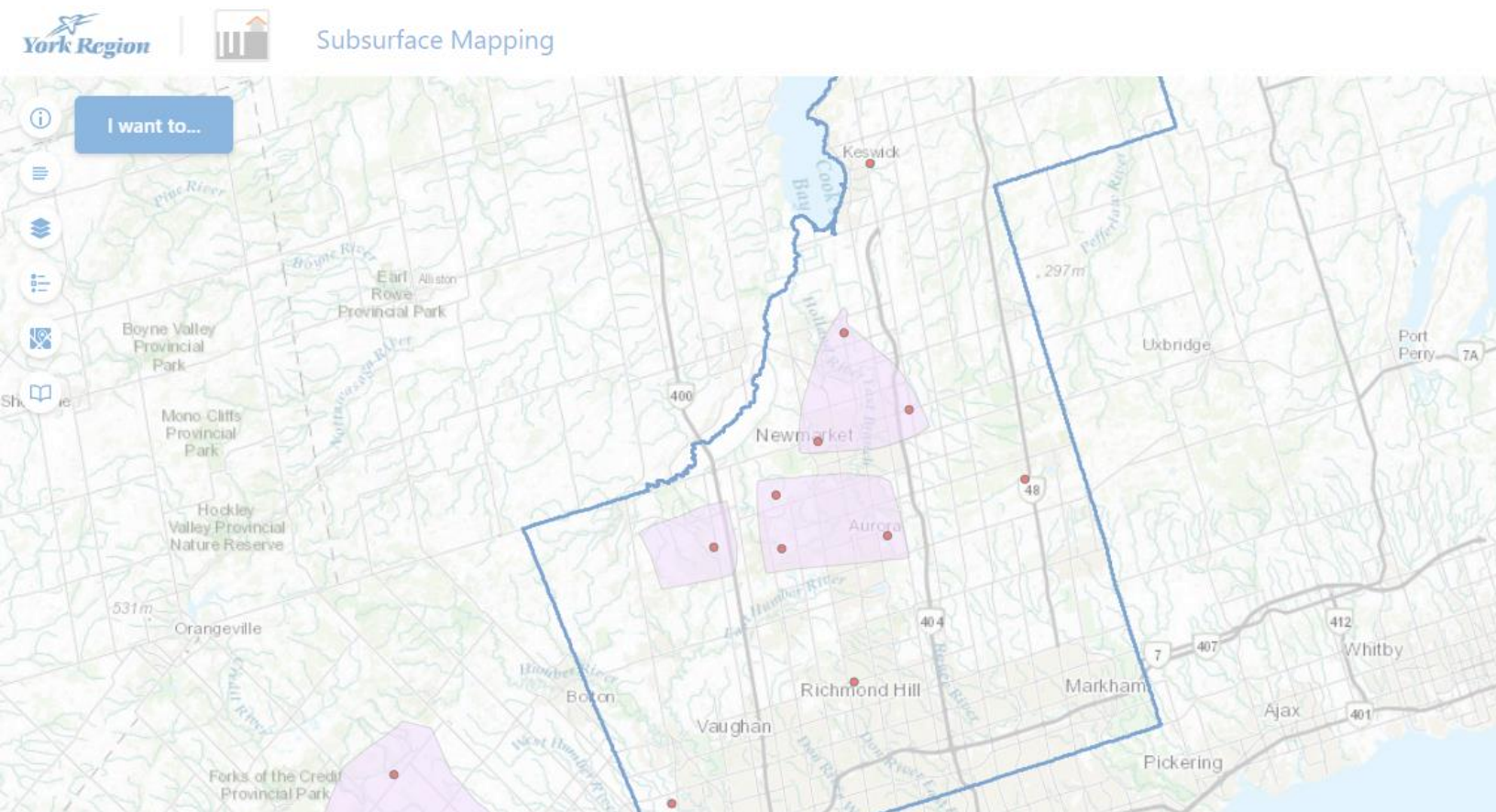


GEOM 99 Group 1

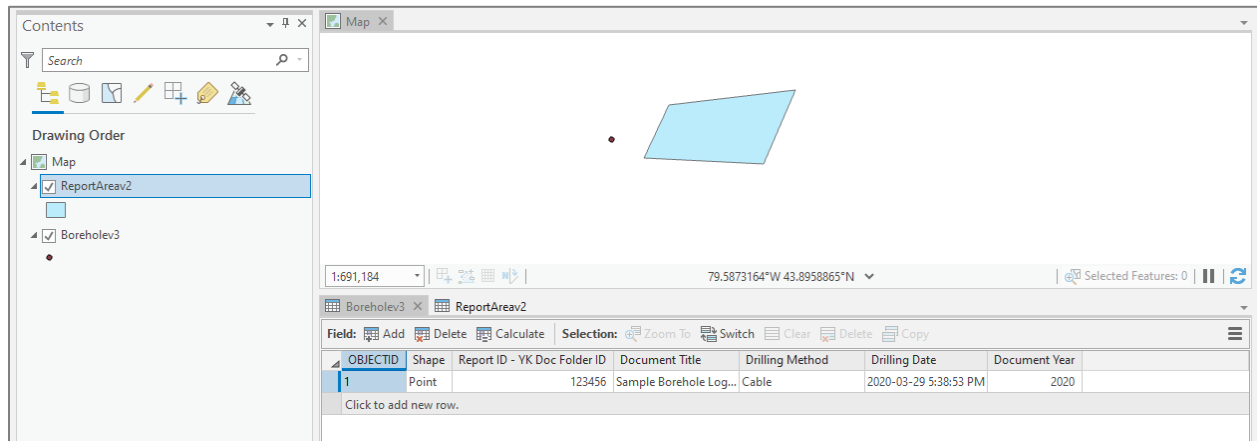


Contents

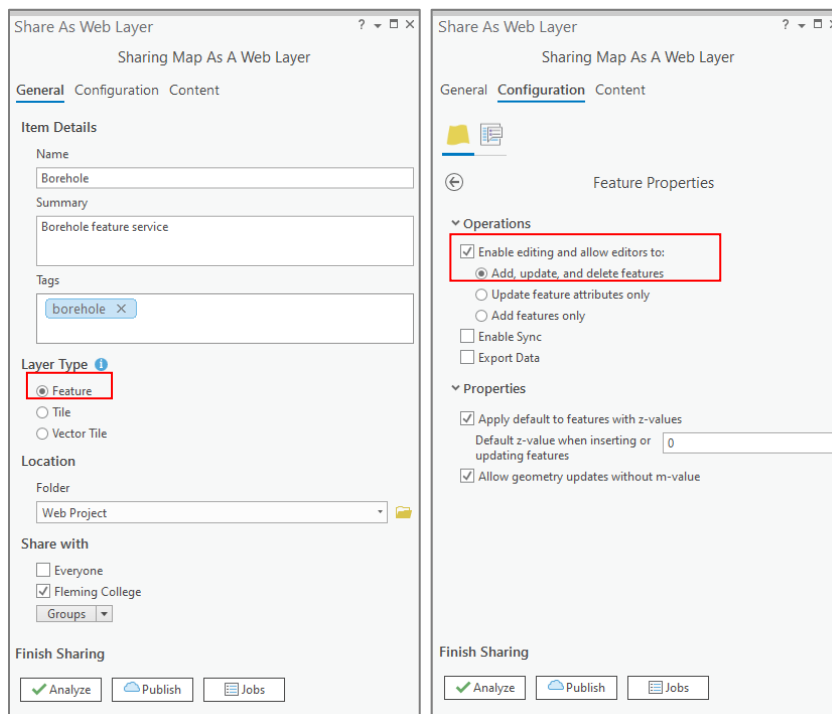
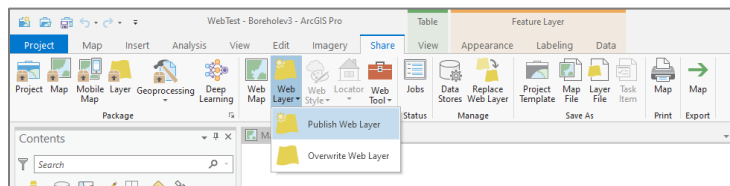
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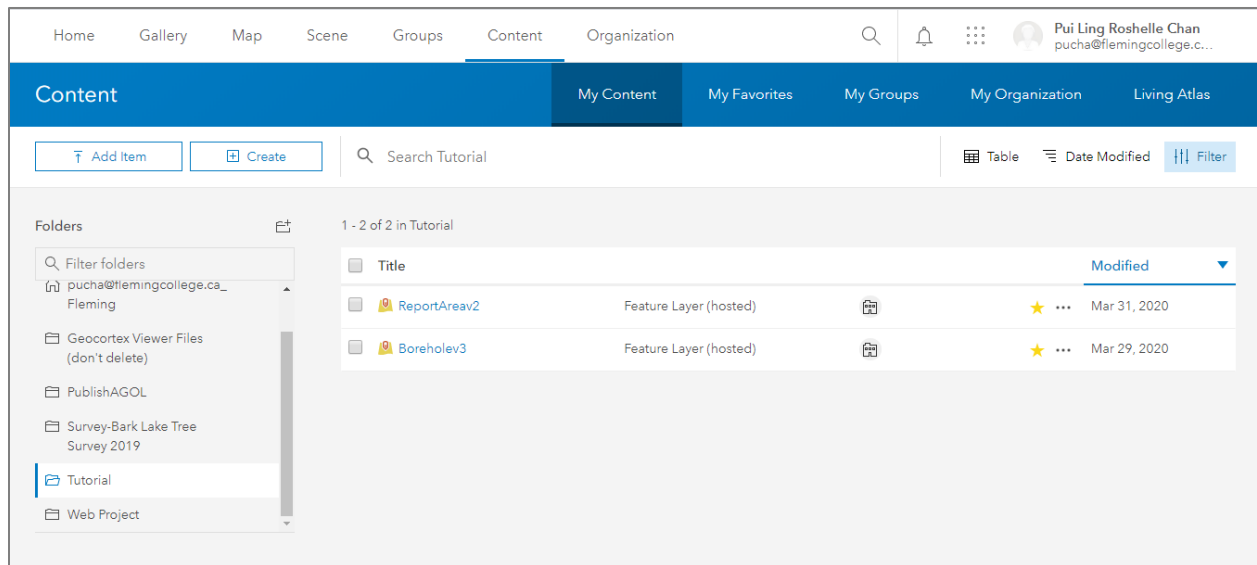
Create Hosted Feature Services on ArcGIS Online

1. In ArcGIS Pro (or ArcMap), create an empty point and polygon feature class to represent borehole logs and reports respectively, then add fields



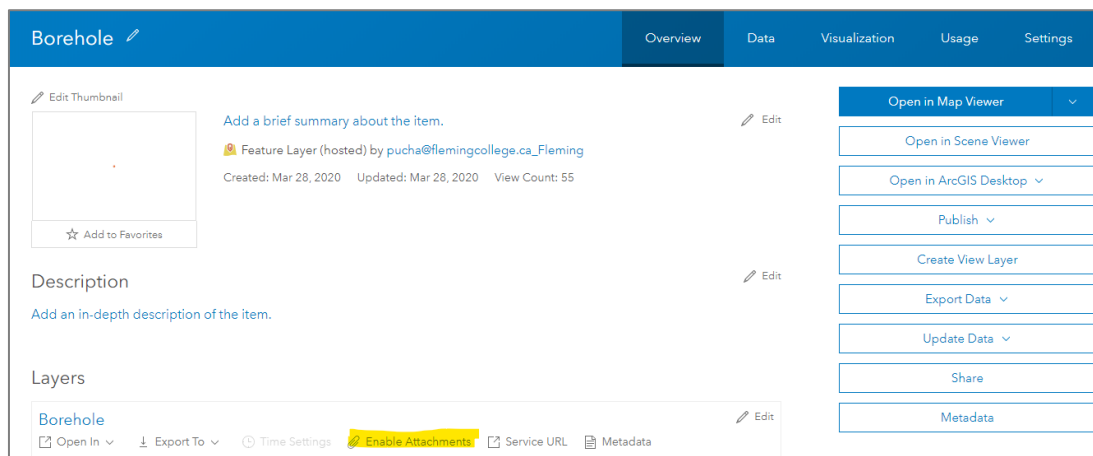
2. Publish feature classes as hosted feature services to ArcGIS Online, with Add, Update, and Delete options enabled



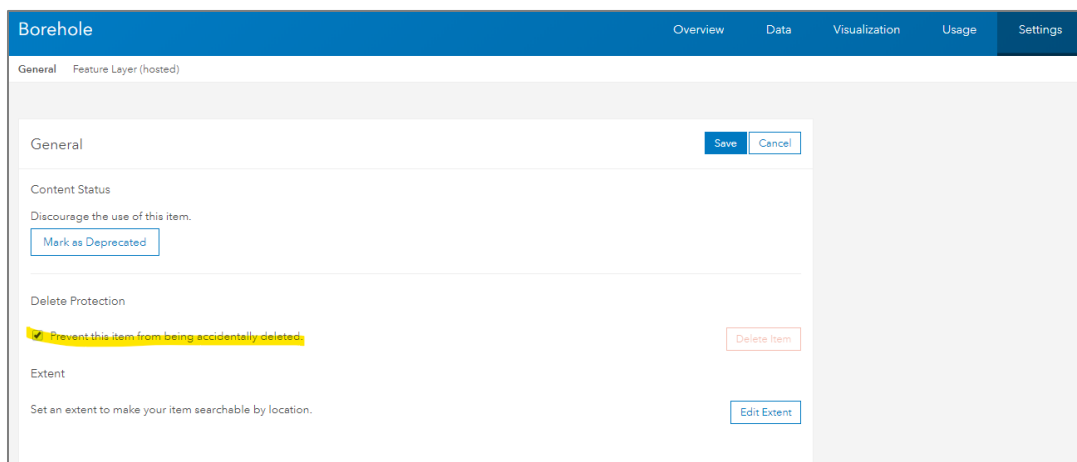


3. Configure settings of published hosted Feature Layers on ArcGIS Online

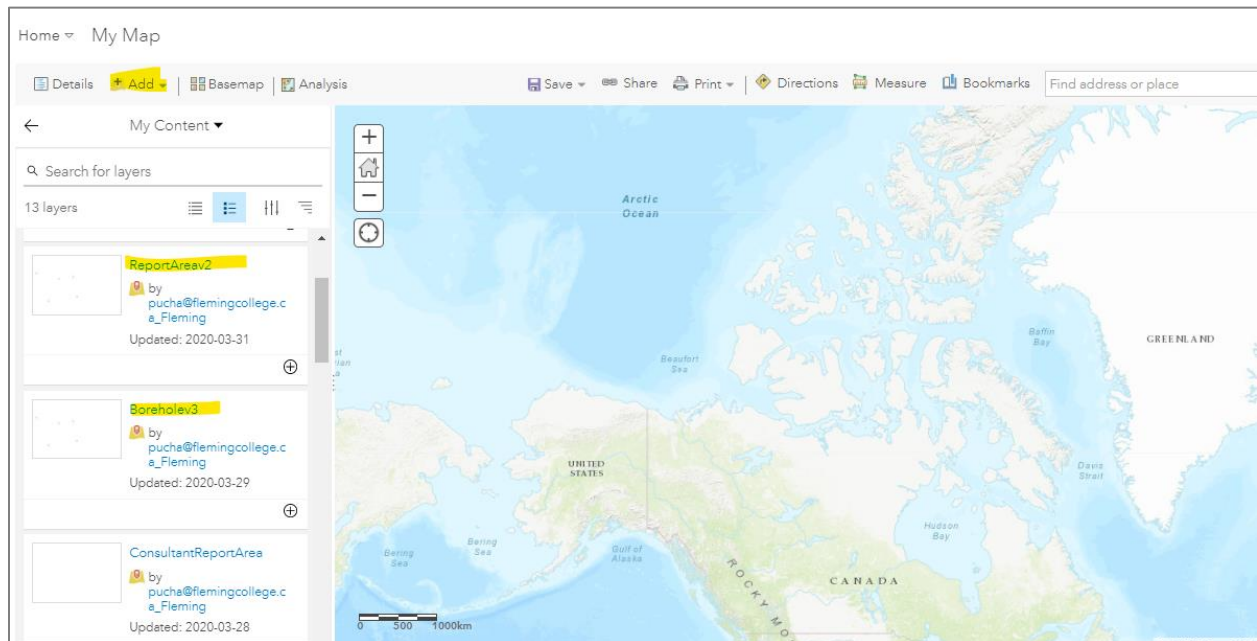
A) Overview tab: Click on Enable Attachments



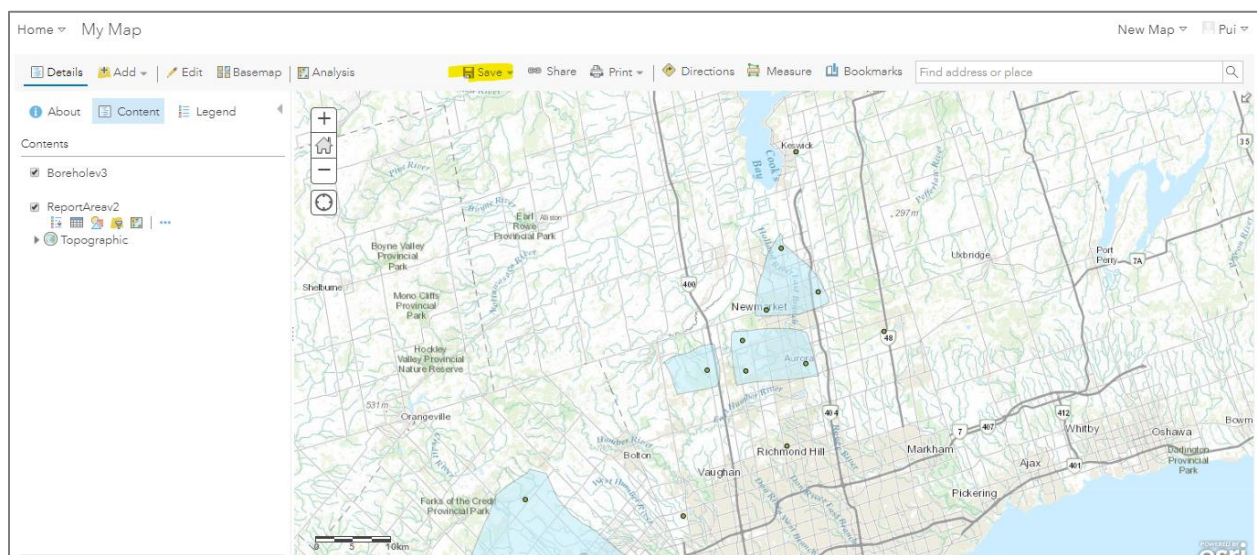
B) Setting tab: Enable deletion prevention



4. Set up a Web Map on ArcGIS Online
 - A) Add the two layers to the web map



- B) Zoom to your area of interest and Save Map



Save Map

Title:

GEOM99 Tech Guide Map

Tags:

geom99 × [Add tags](#)

Summary:

Web map for technical guide

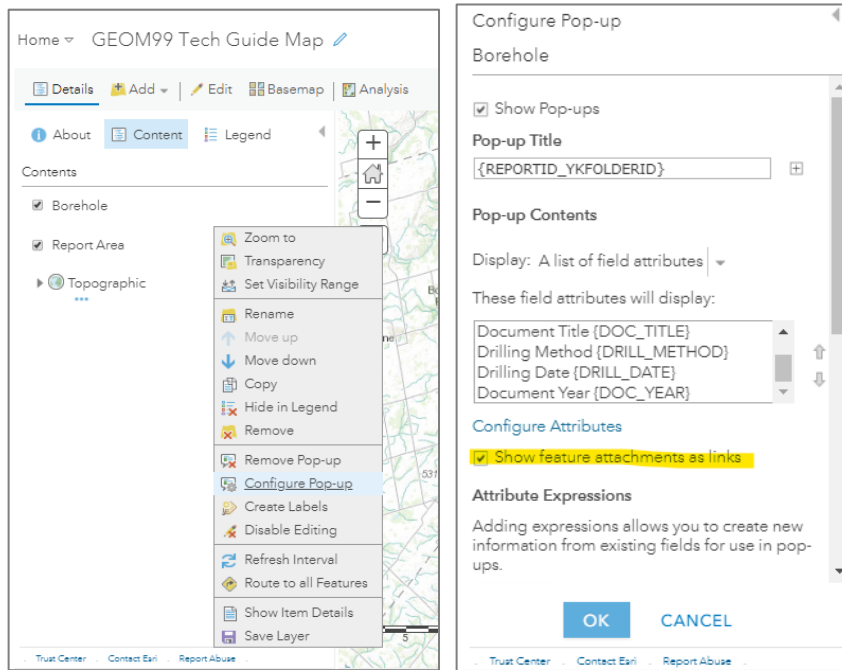
Save in folder:

Web Project

SAVE MAP

CANCEL

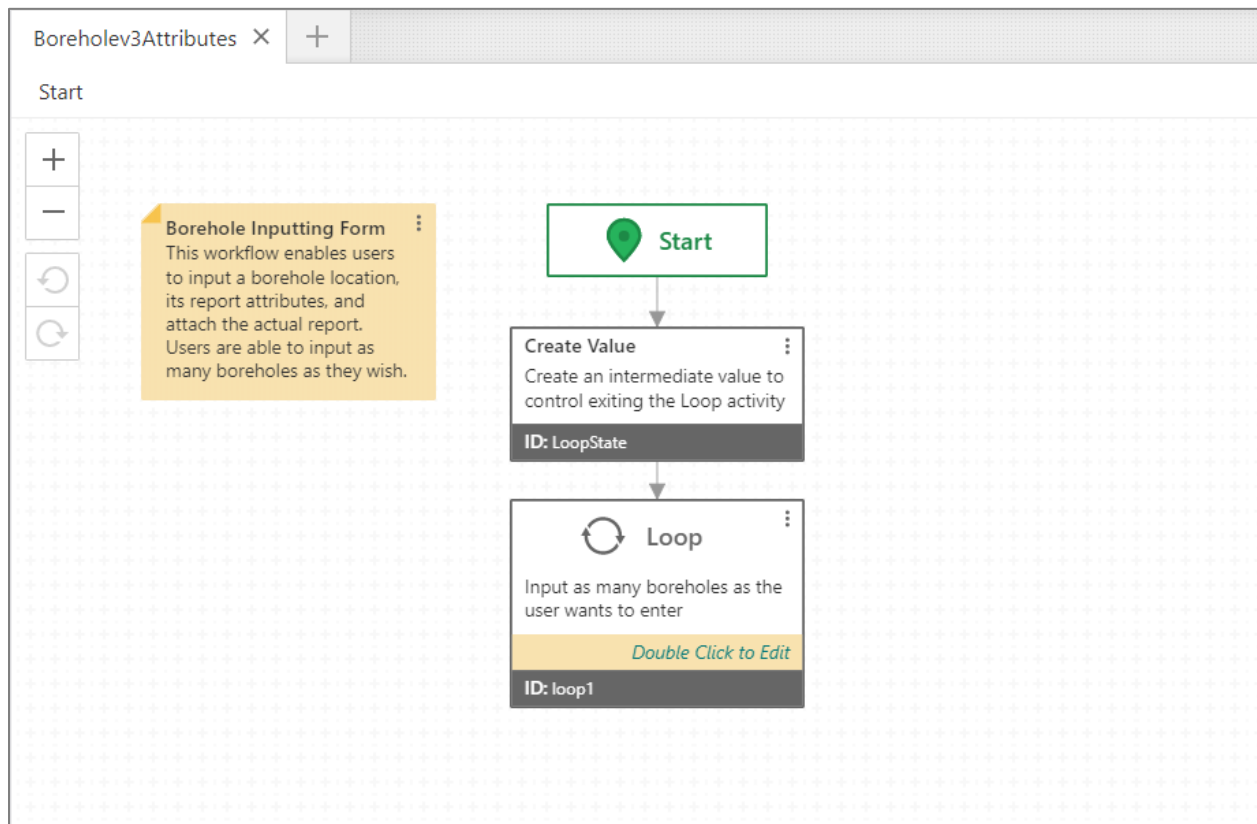
C) Rename layers as necessary and Configure Pop-up to check “Show feature attachments as links”



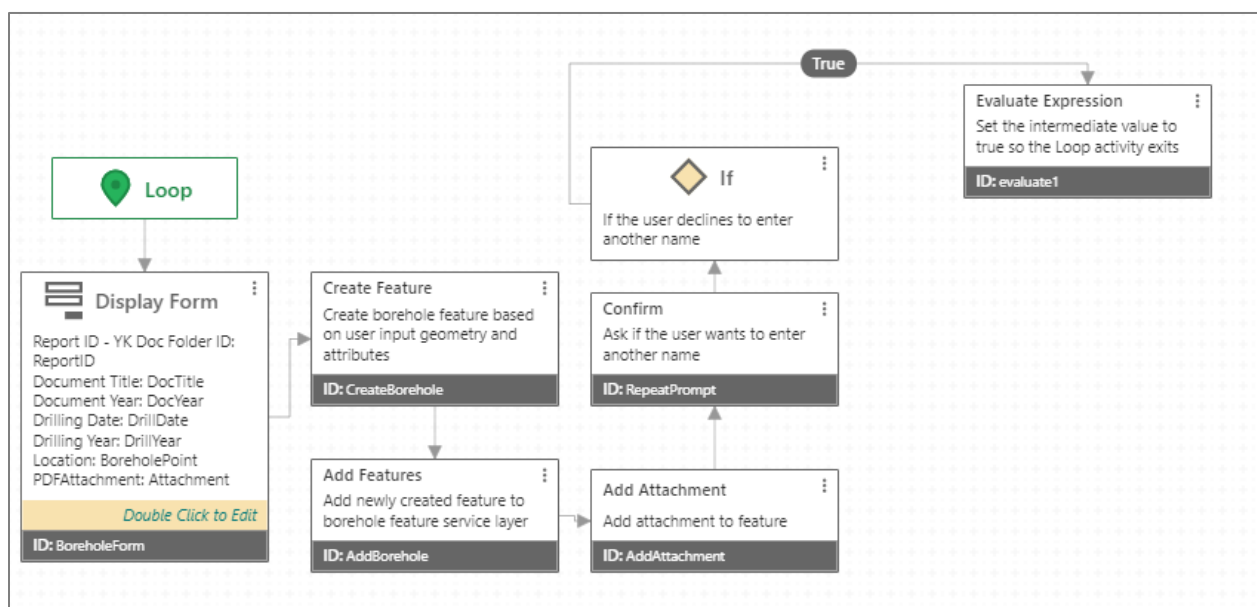
Create Workflows in Geocortex Workflow

1. Feature Creating Workflow

Visit the workflows [here](#) (borehole logs) and [here](#) (consultant reports) to see details of the parameters set for each tool.



Loop components:



Display Form:

Boreholev3Attributes ○ +

Start / Loop / Display Form

Add Borehole Report

Report ID

Document Title

Document Year

Drilling Date

Start / Loop / Display Form

Drilling Method

☒ Rotary
☐ Cable
☐ Auger
☐ Hollow Rod
☐ Jetting
☐ Driving

Select location

+ Add Location

Attach report

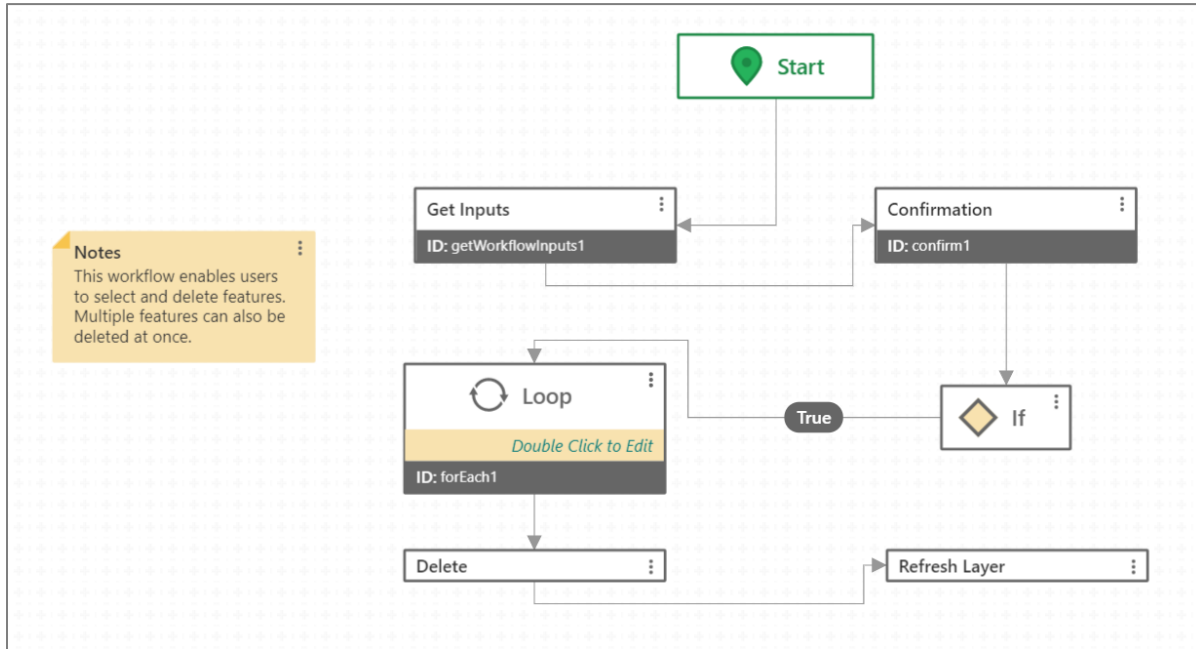
+ Upload

Submit

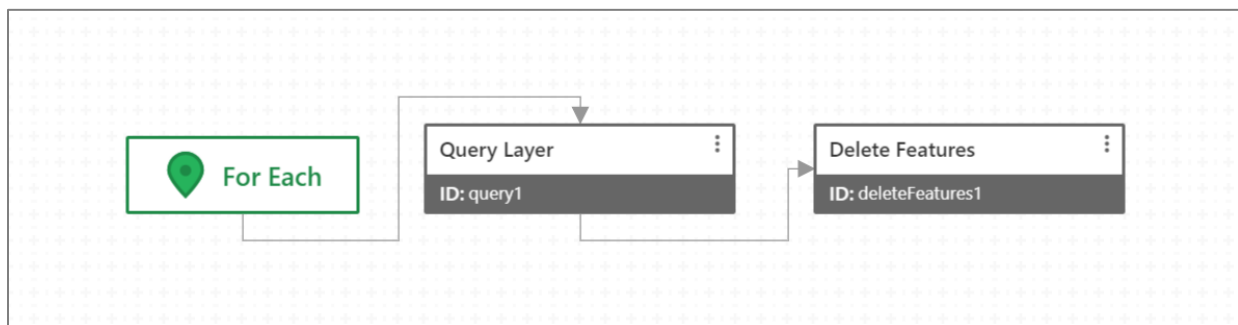
Cancel

2. Feature Deleting Workflow

Visit the workflow [here](#) to see details for the workflow that allows users to delete features based on user selection.



Loop component: enables deletion of multiple features at once by iterating the workflow over and again for all selected features.



Display:

I want to...

Identify results: (3)

[Refine](#)

12345	Borehole ID: 12345	Document Title: ROSH	Document Year: 1960	Drilling Method: Hollow Rod	Drilling Date: 3/19/2020
273674	Borehole ID: 273674	Document Title: Testing	Document Year: 2020	Drilling Method: Driving	Drilling Date: 4/7/2020
7823483	Report ID: 7823483	Title: skjhfkasda	Date: 4/4/2020	Source Code: 8	Transfer Suitability Code: 3

- Edit Log(s)
Edit attributes of selected borehole log(s)
- Edit Report(s)
Edit attributes of consultant report(s)
- Zoom to Result(s)
Zoom to the result(s) on the map
- Add Focus
Add focus to the result(s)
- Remove Focus
Remove focus from the result(s)
- Remove Result(s)
Remove the result(s) from result set
- Delete Feature(s)**
Delete selected feature(s)

Confirm

Do you really want to delete the selected 3 feature(s) ?

[OK](#) [Cancel](#)

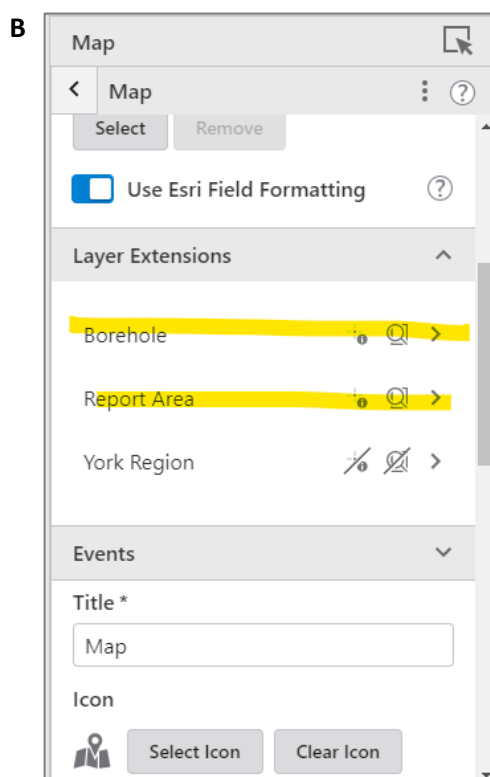
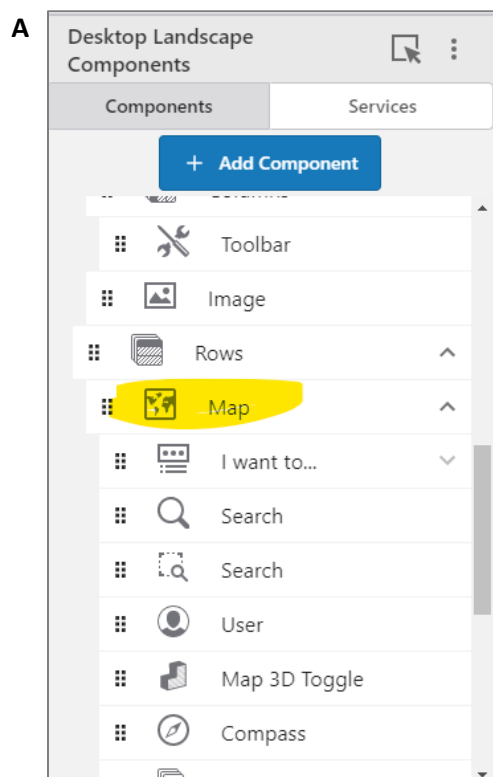
Alert

Successfully Deleted 3 feature(s)!

[OK](#)

3. Feature Editing Workflow

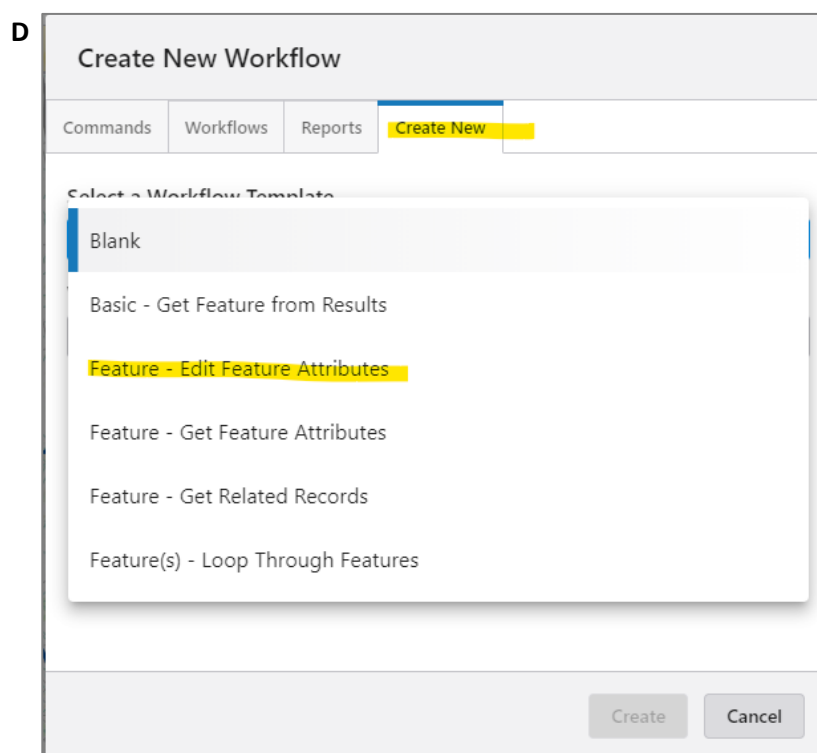
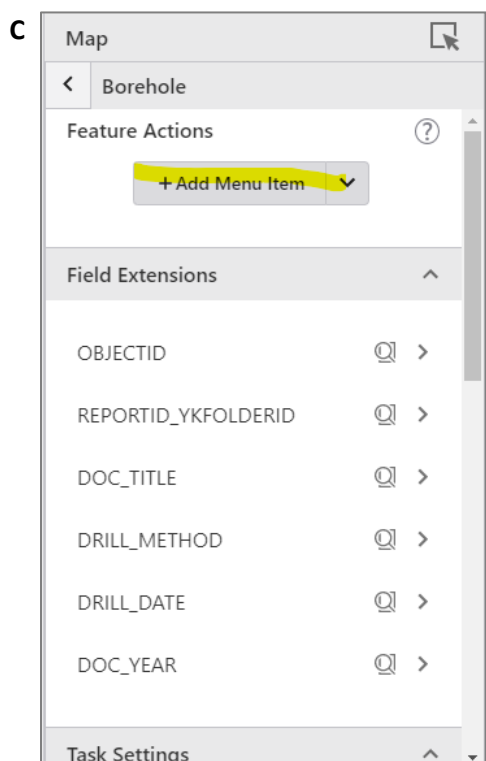
Used an existing workflow template available via Geocortex Web. To access the template, navigate to Geocortex Web's Map component, select a Layer, Add Menu Item, then Create New



D: After selecting the *Feature - Edit Feature Attributes* template, it will automatically create a custom workflow for editing features for the Layer you have selected. Repeat process for Layers you wish to edit.

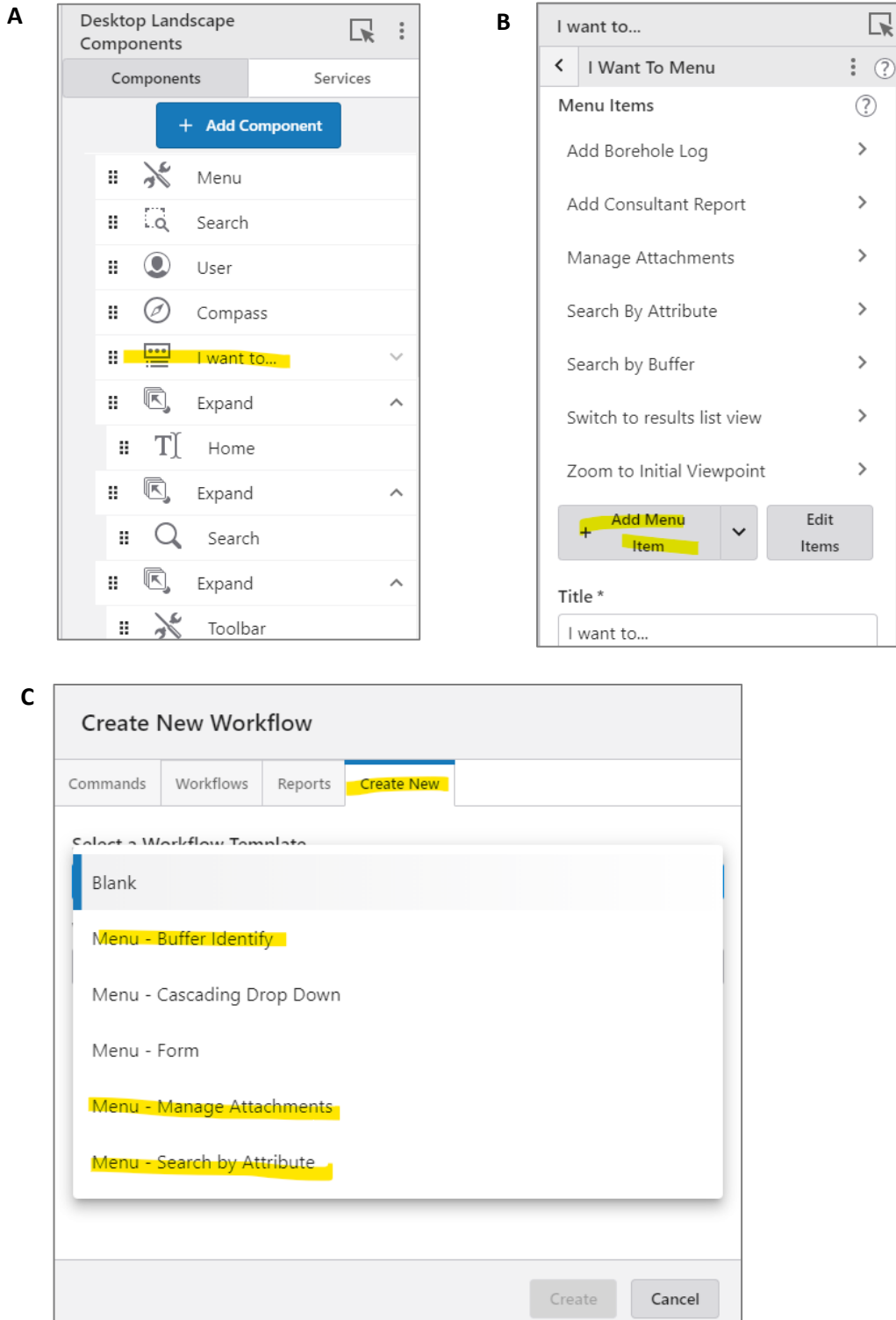
Visit [link](#) to borehole editing workflow

Visit [link](#) to report area editing workflow



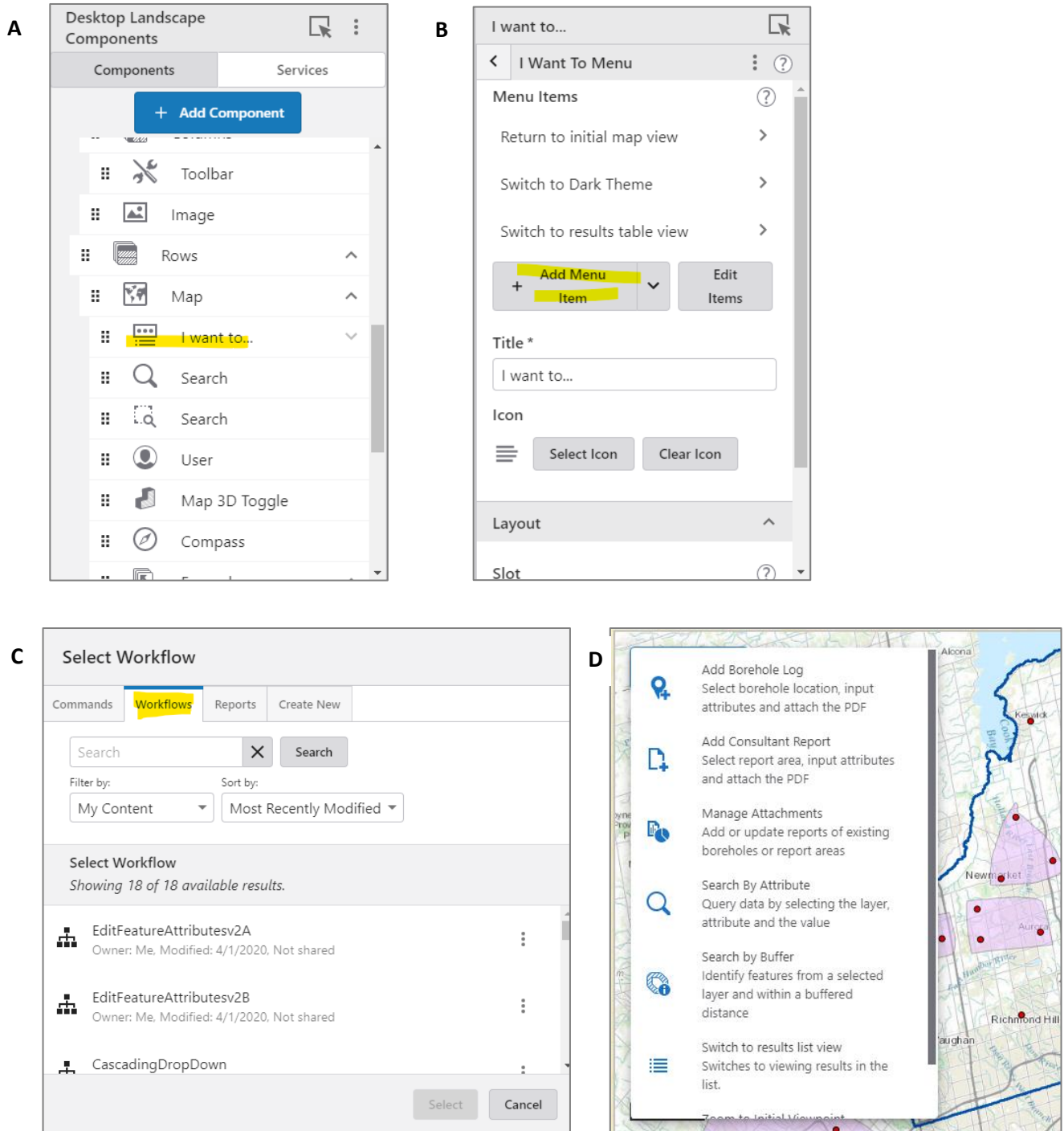
4. Buffer Identify, Searching by Feature Attribute, Manage Attachments Workflows

Existing workflows were used to create the workflows for searching for features using a buffer distance and by feature attribute, as well as for managing attachments of features. They can be created in the “I want to...” component in Geocortex Web.



Add Workflows to Web Viewer

Now that all workflows are ready, they can be added to the web viewer to be used.

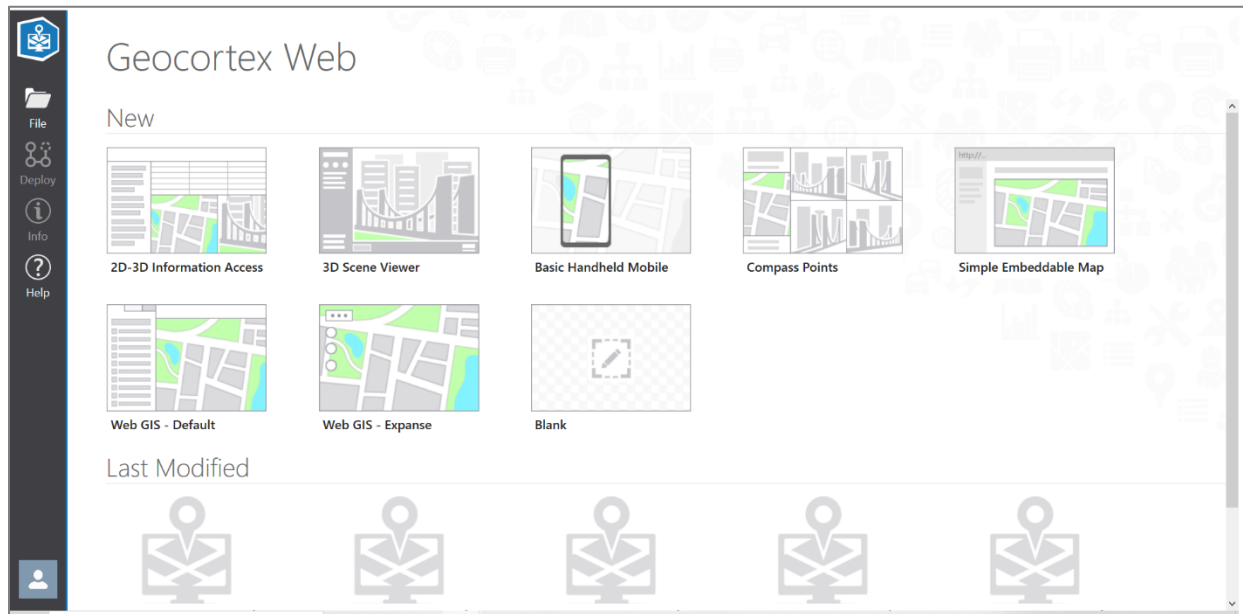


In the Select Workflow popup, navigate to the Workflows tab, and select the workflow of your choice.

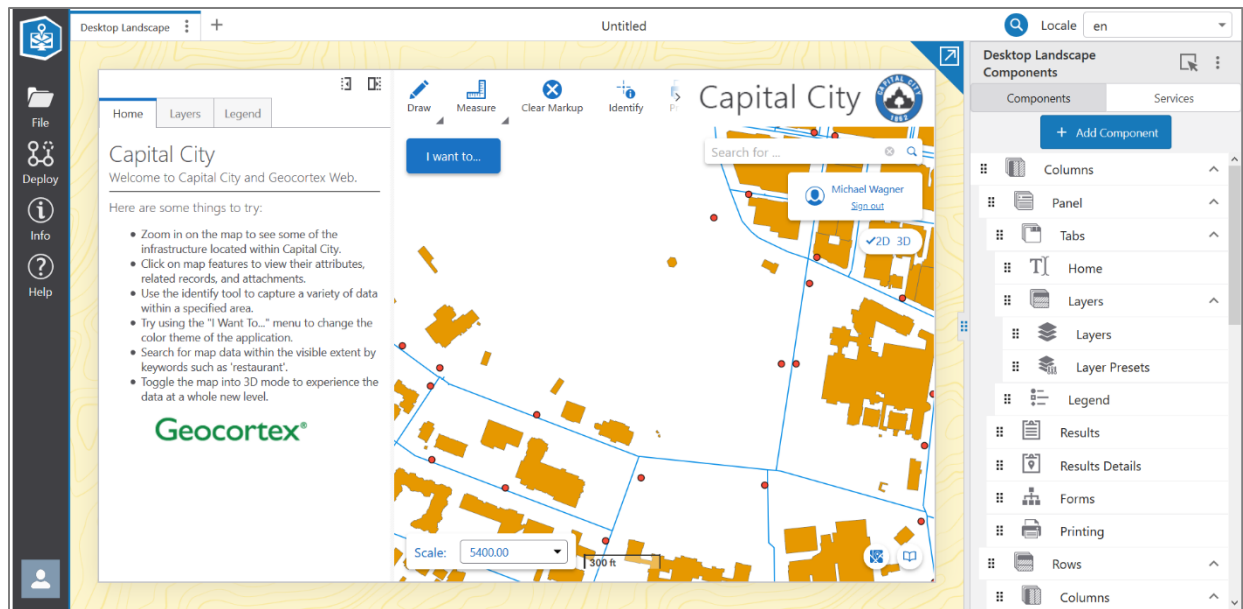
Updated "I want to" Menu with workflows added

Geocortex Web Configuration

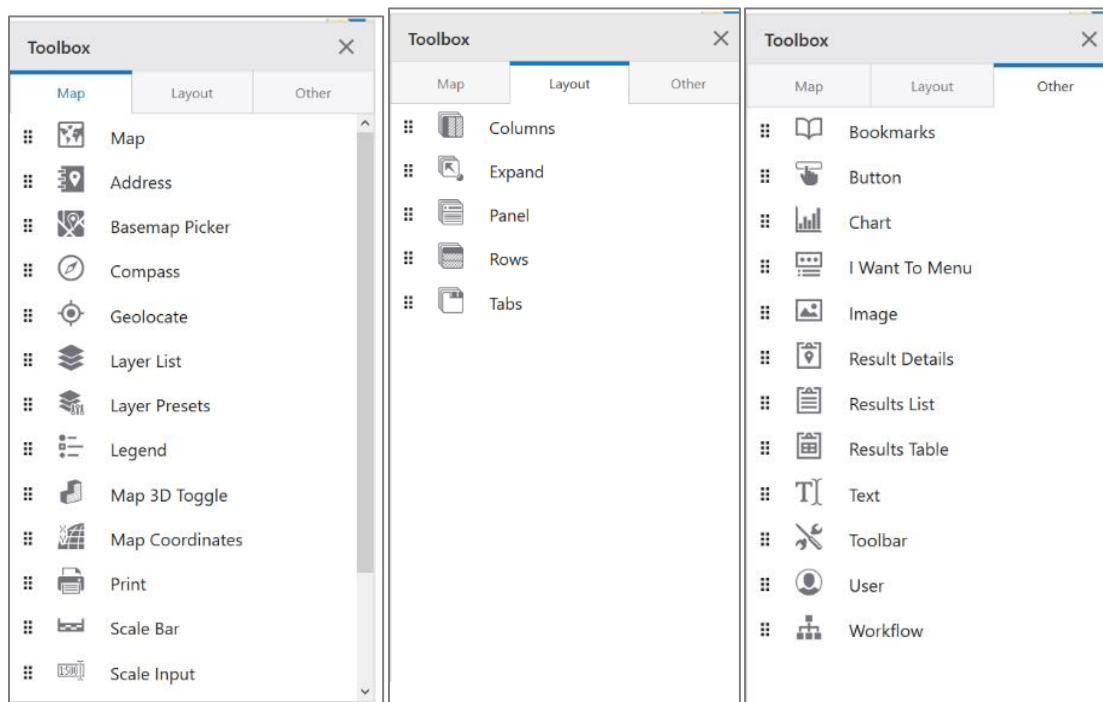
When starting to design the interface of the Web Application one first navigates to the administrative interface of the Web Designer. In our case it was hosted on the Fleming luna server at <https://luna.flemingcollege.ca/Geocortex/WebViewer/Designer>. There one can choose to start a blank theme or choose to modify an existing theme. I chose to modify the theme “Web GIS- Default” because it gave me a chance to dissect first and find out how things were put together.



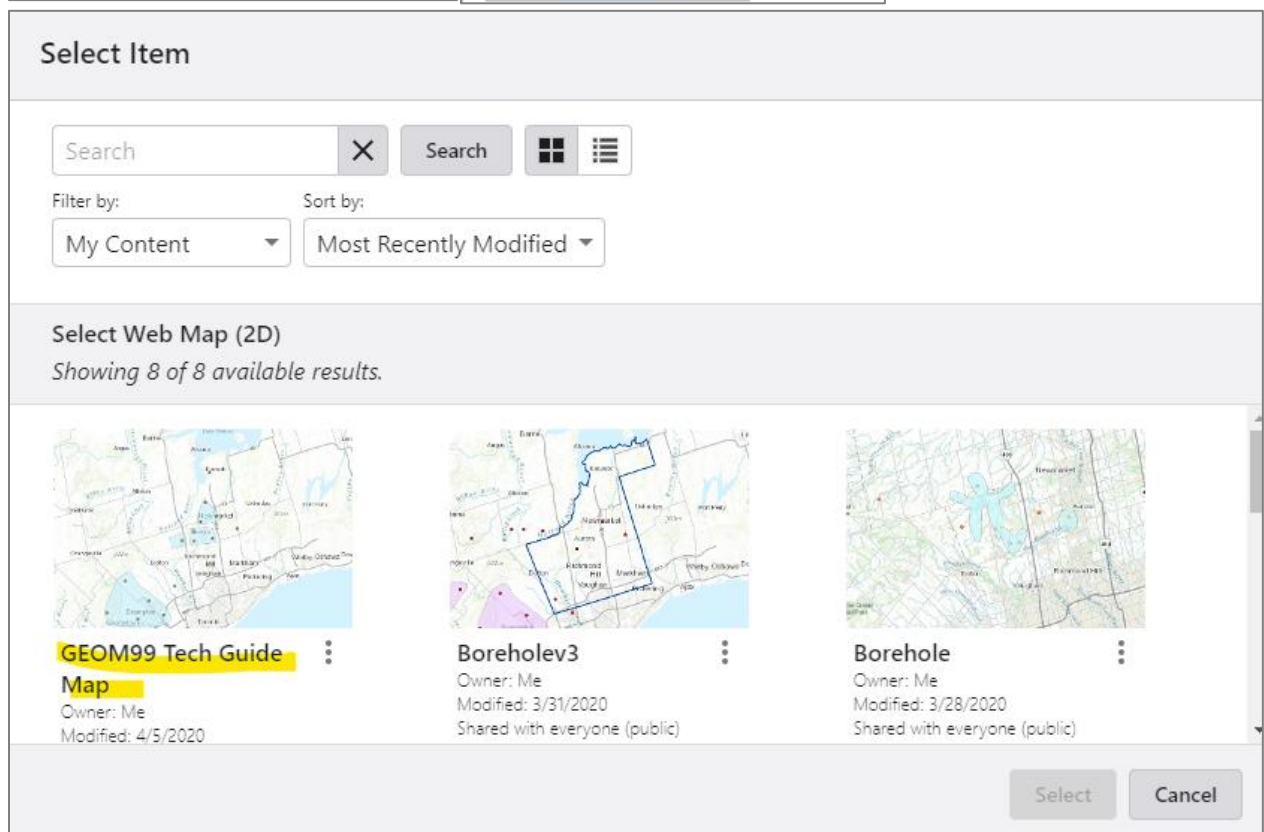
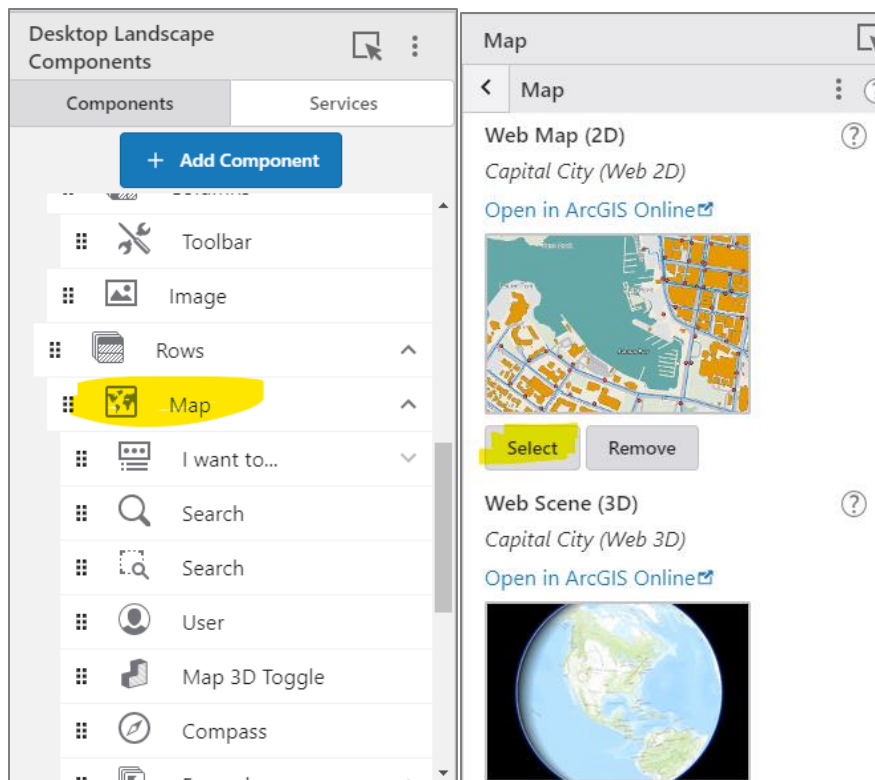
In the administrative interface one is greeted with the layout of the web app in the middle of the screen with all of its components. On the left is a pane called the Desktop Landscape Components, this is where these components are managed. Here you can add, remove and modify components. One can split up the layout into various forms of rows and columns and add components into these. How these Rows and columns are stacked influences the look of the page.



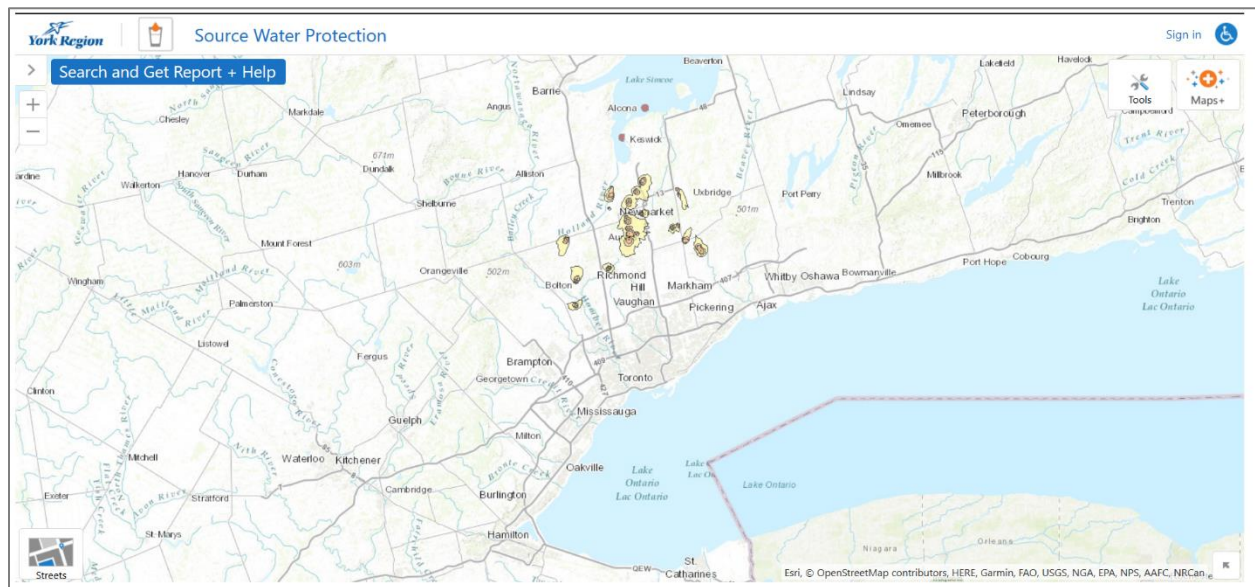
When adding a component, a new tab opens and one can choose from either map components, layout components, or other components. From here one simply drags a component into the list of components



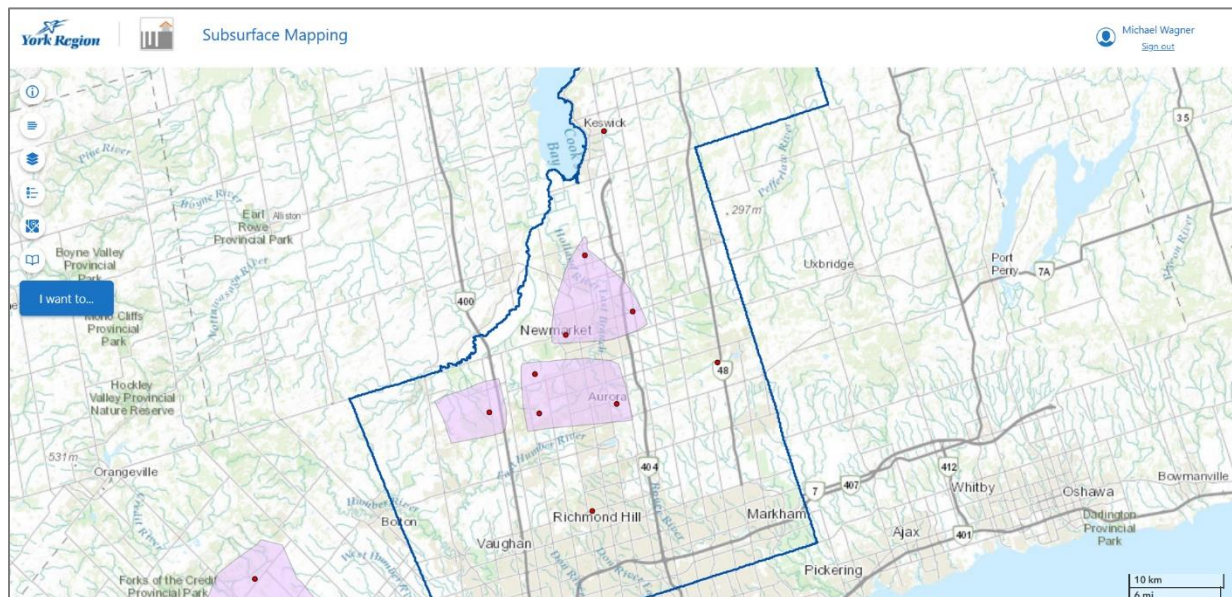
Add the Web Map created to the Map to be displayed in the viewer:



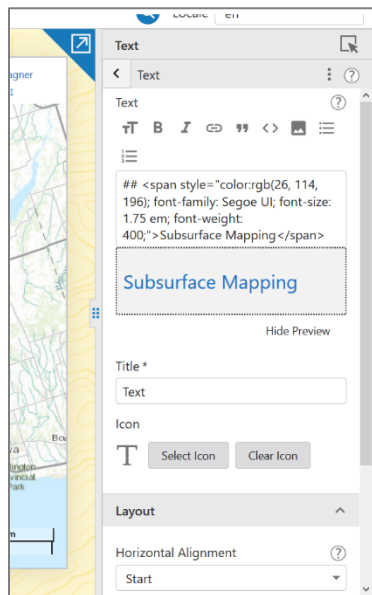
For the purpose of getting to know the software I thought it would be good to try and emulate the theme layout of other sites used by the York Region team. Here the example of the York Region Source Water Protection Layout.



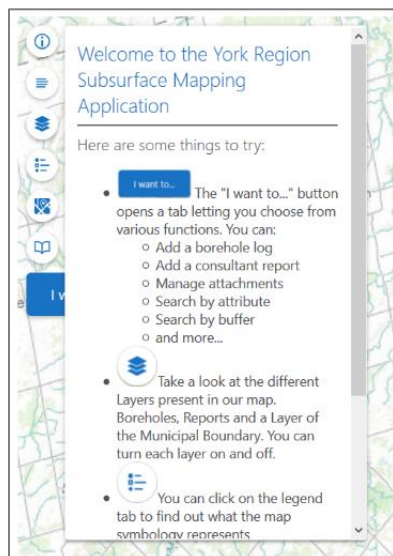
And here is the version I ended up making.



Each inserted component when clicked opens up to its own configuration tab. Here is an example of a text configuration tab. As one can see, the formatting of the text is done directly in the text box using Markup.

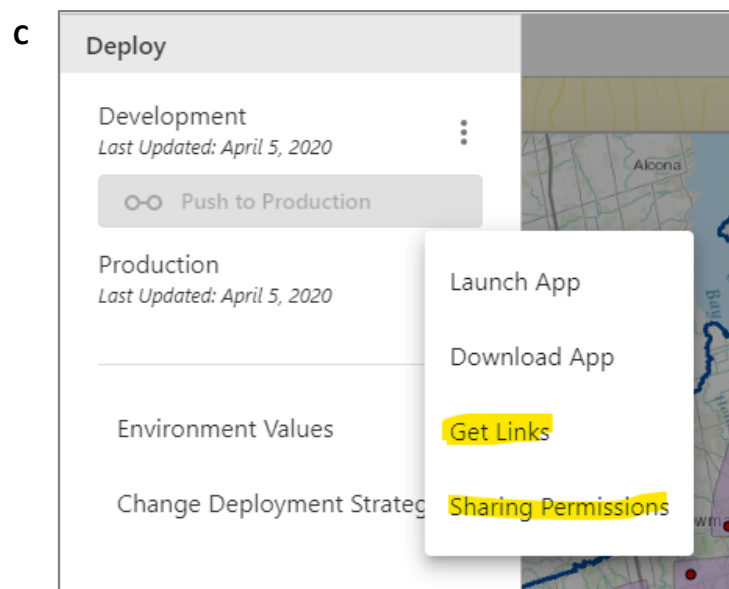
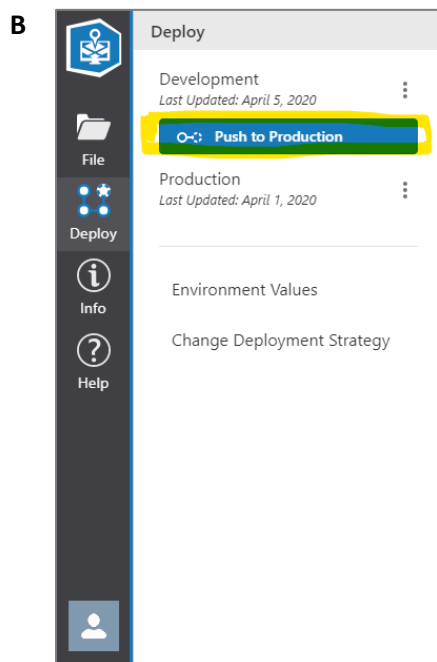
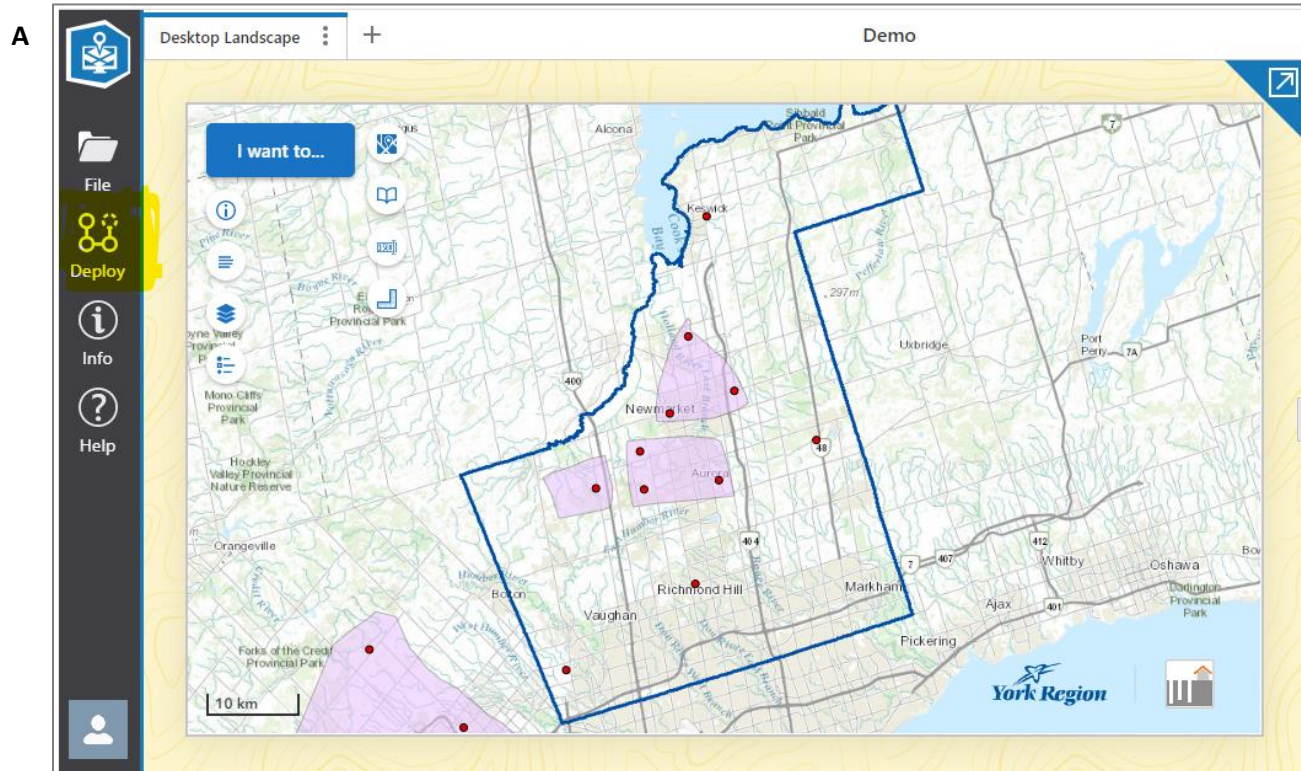


The images on the site, like the subsurface mapping icon and York Region logo, as well as the icons in the info tab were created in Adobe Photoshop and then uploaded to ArcGIS Online. The geocortex web app then pulls them from there. It is important to note that images hosted in ArcGIS Online must be shared publicly if they are to be accessed by Geocortex.



Deployment and Sharing


When the web viewer is customized and complete, click on the Deploy icon on the menu and Push to Production. The link of the application can be accessed and sharing permissions can also be set to be organization wide.






D

Production App Launch Link

Workflow to run (optional) ?
You have no Launch Link Workflows configured

Embed Link ?
`<iframe class="map-host-view" src="https://luna.flemingcollege.ca/Ge` 

Launch URL ?
`https://luna.flemingcollege.ca/Geocortex/WebView/?app=5437b`  







[Close](#)

E

Sharing Permissions (Production)

Set all permissions to:
Shared with my organization Set All

App		^
	Demo (prod)	Not shared
Web Maps and Scenes		^
	Demo - Boreholev3 (prod)	Not shared
ArcGIS Online Layers		^
	Report Area	Shared with my organization
	Borehole	Shared with my organization

[Close](#)