

# Aquaculture Web Map User Guide

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## *Maine Department of Marine Resources*

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### *Purpose Statement*

The aim of this guide is to provide details on how to use the Maine DMR Aquaculture Map. If you have questions or would like additional instructional sections, please email [DMRAquaculture@maine.gov](mailto:DMRAquaculture@maine.gov).

### **Contents**

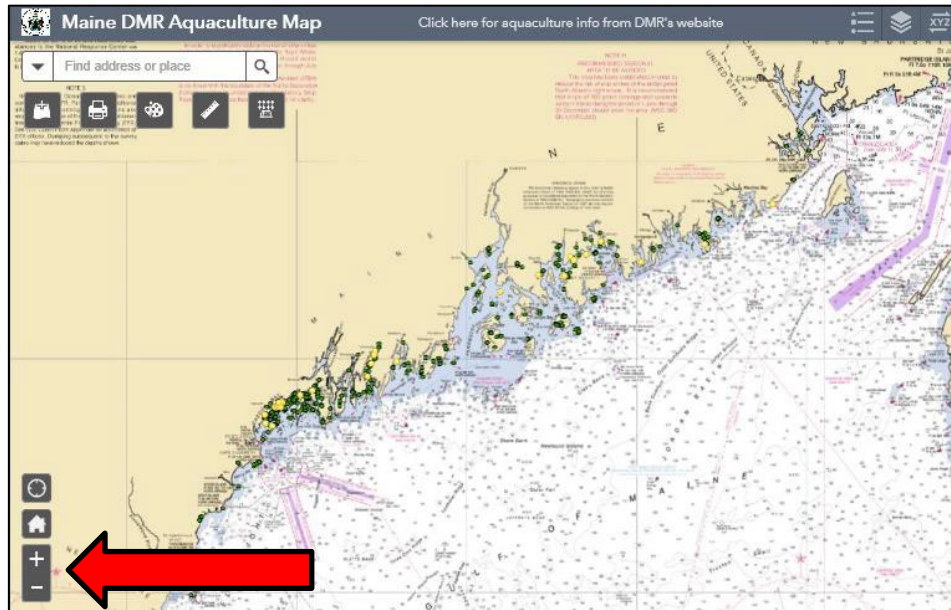
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## **1. General Operation**

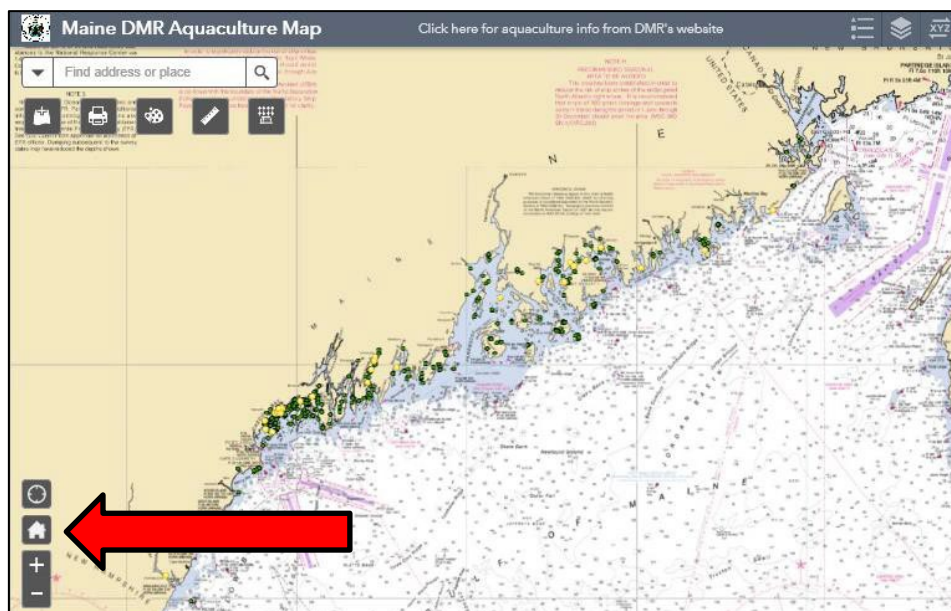
- I. Click on the map and drag your mouse to move around the map.



- II. Use this tool to zoom in and out on the map, or just double click to zoom in.



- I. Click this icon to reset the map to the original view.

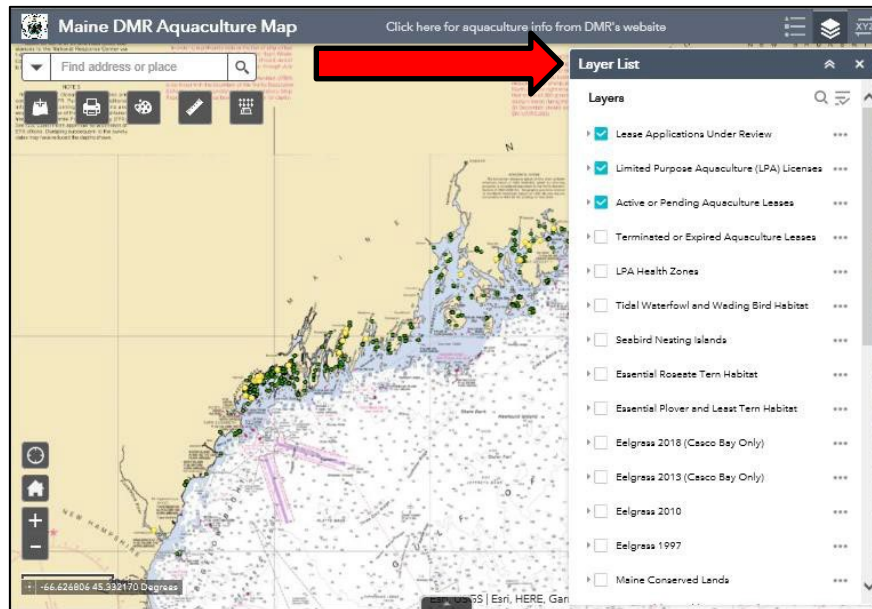



## 2. Using the Layer List




- I. When you click on this icon located in the upper right hand corner of the map, a box titled **"Layer List"** will appear. This box contains a list of layers (information) that can be added to, or removed from, the map.

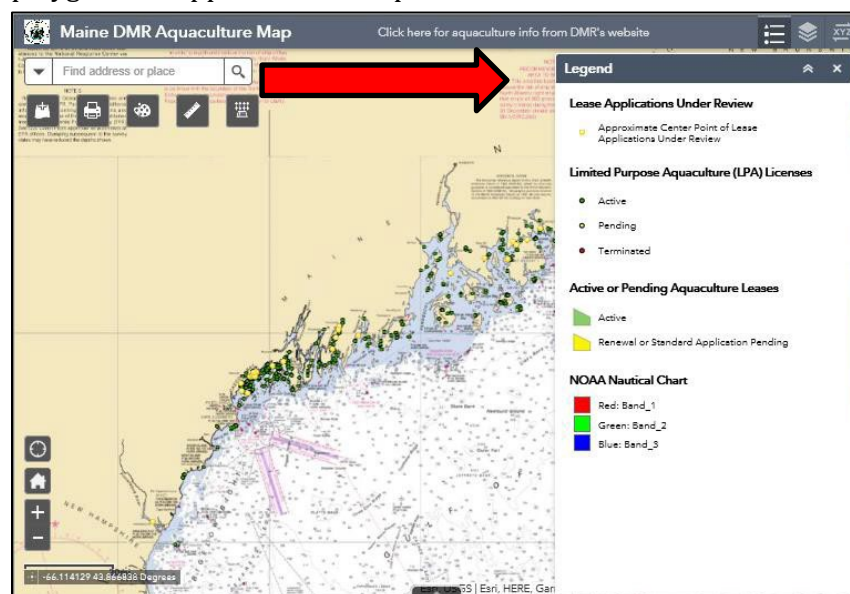
- II. Check the boxes associated with layers you wish to add to your map. Uncheck the boxes for layers you wish to remove from the map.



- III. Click  for more information on each layer, including a **Description** and **Attribute Table**.

### 3. Using the Legend

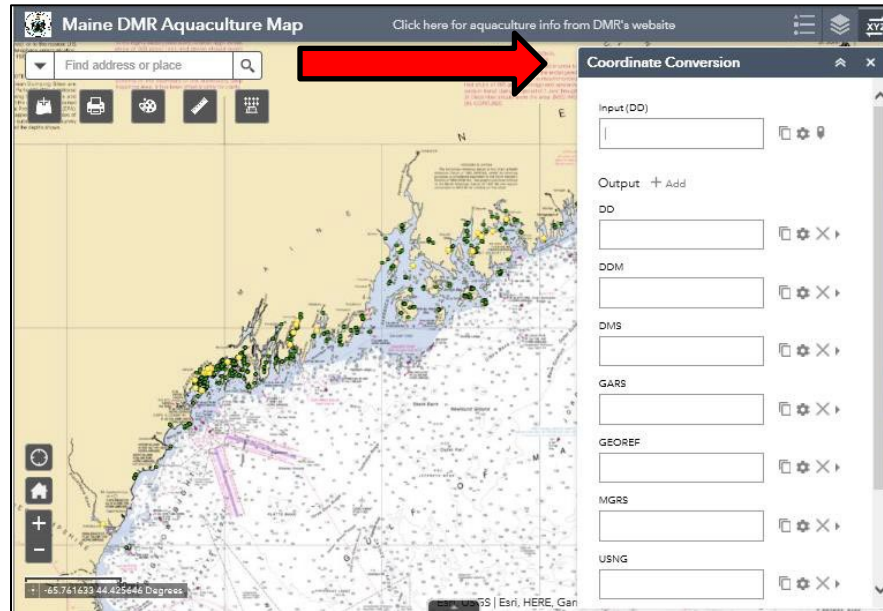
- I. When you click this icon  located in the upper right hand corner of the map, a box titled "**Legend**" will appear. This box displays the symbols associated with each point and polygon that appear on the map.



## 4. Using the Coordinate Conversion Tool

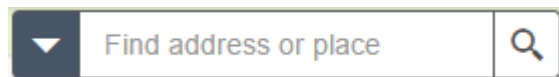


- I. When you click this icon located in the upper righthand corner of the map, a box titled “**Coordinate Conversion**” will appear. This box converts the coordinates you enter into other formats.



- I. Click the “Add Point” button  to collect coordinates from a location on the map.

## 5. Using the Search Tool



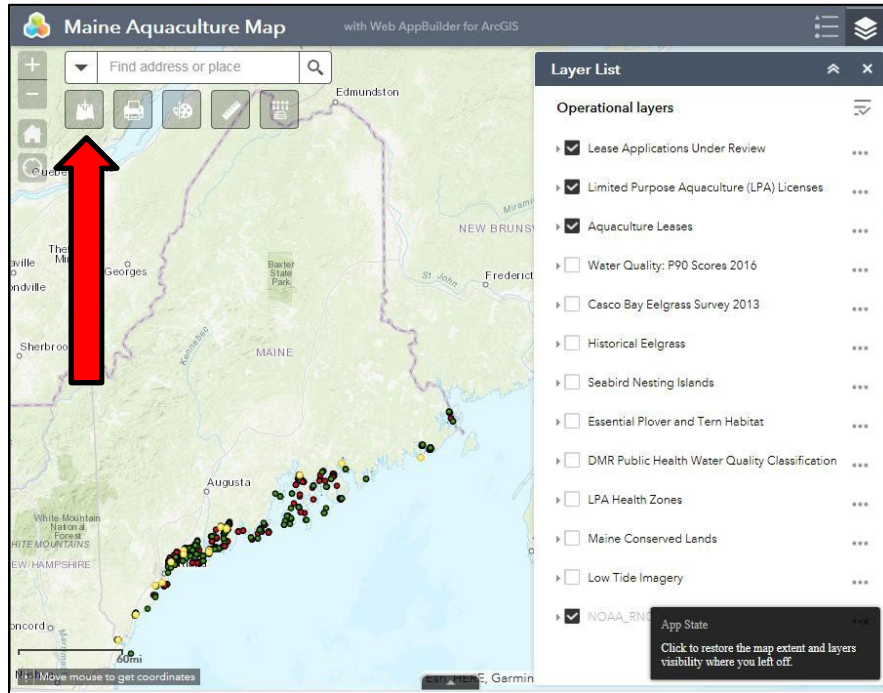
- I. The search bar allows you to enter a place-name or keyword and search for it. Aquaculture leases and licenses can be searched for using this tool.
- II. A pop-up appears at the location of the place-name or the feature that has been searched for. This pop-up displays any available attribute information for the location or lease/license you have searched for.



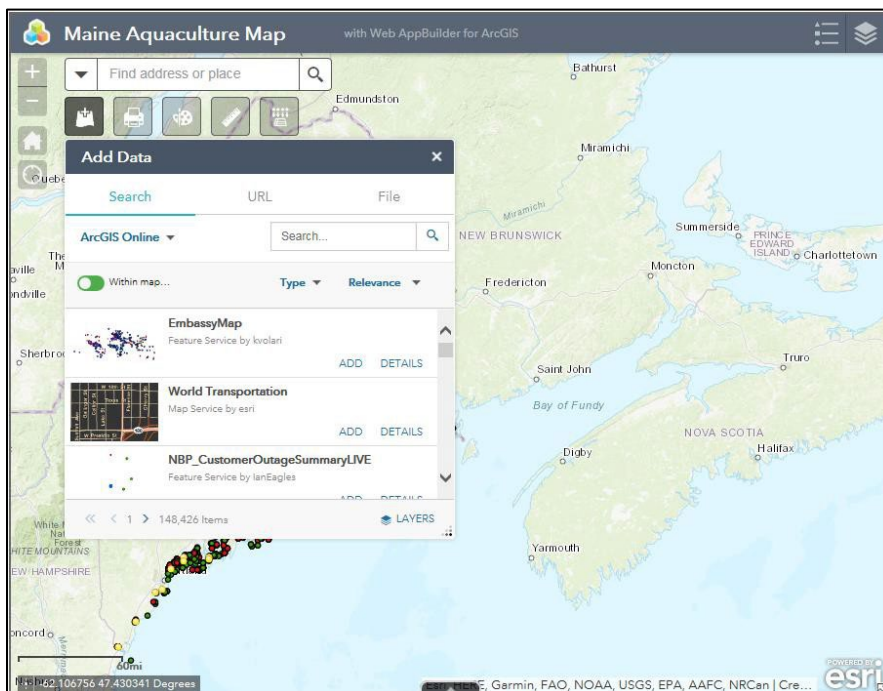
## 6. Using the Add Data Tool



- I. The add data tool allows you to add layers to the map from ArcGIS Online, a URL, or from file.



- II. When you click on the print tool, the following box will appear.

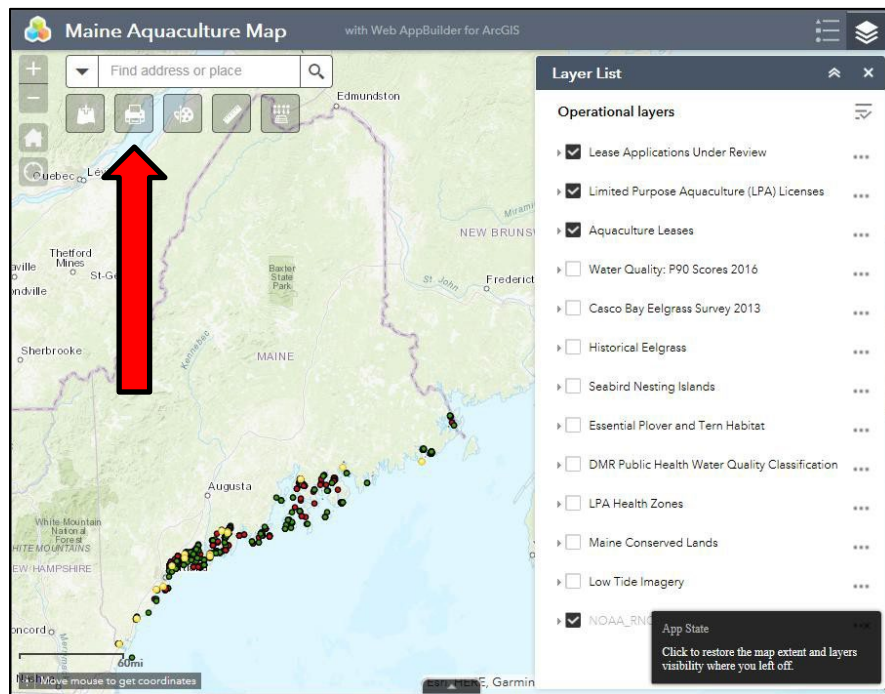


- III. Under **Search** tab, type the description of the data you want. Click **ADD** on a specific item to add it to the map. The added layer will show in the **Layer List** as well. Click **REMOVE** to remove the layer from the map and Layer List.
  - a. You can also click **DETAILS** to get information for the layer.
- IV. To add layers by URLs, click the **URL** tab next to the **Search** tab. Choose a type and enter the URL.
- V. To add layers from file, click on the **File** tab and browse for the files or drag and drop them onto the tool.

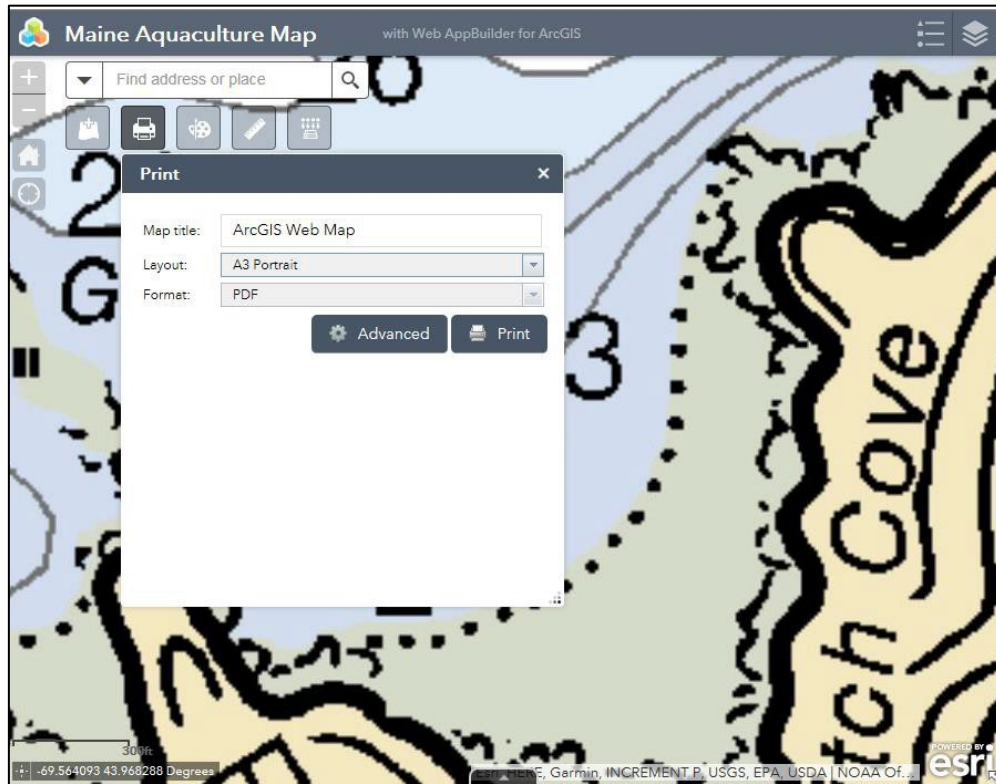
## 7. Using the Print Tool



- I. The print tool allows you to export the map in a variety of formats (including PDF) and/or print the map.



- II. When you click on the print tool, the following box will appear.

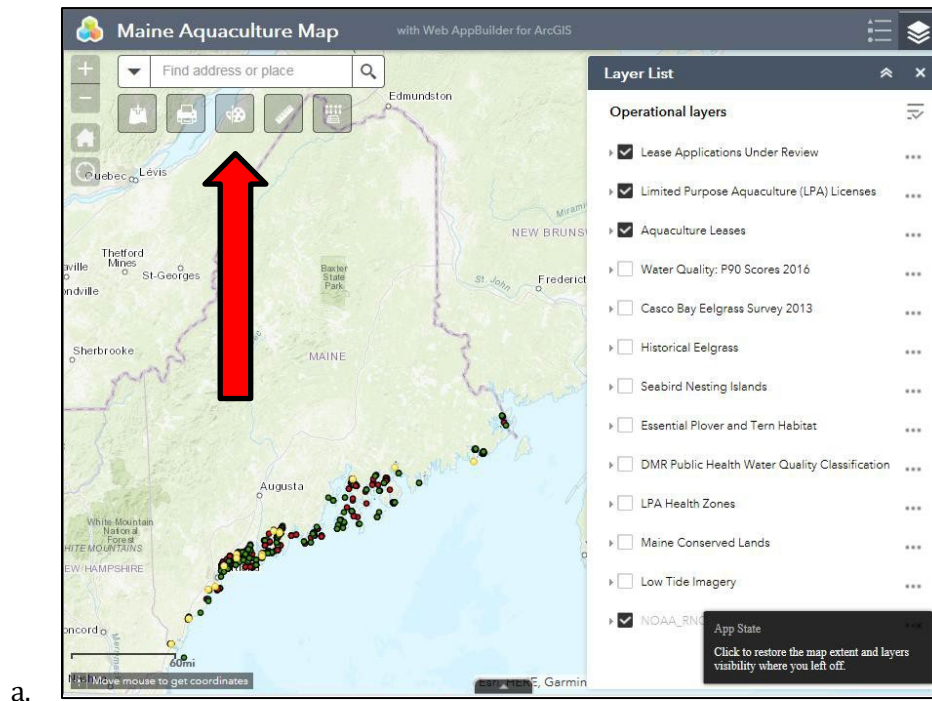


- III. Select the **Layout** and **Format** that you would like for the exported map. If you pick a layout other than **MAP\_ONLY** you will be able to create a title for your map. **NOTE:** The **MAP\_ONLY** format prints only the map and will not print the layers you have added to the map.
- IV. Click **Advanced** to open a menu with advanced print options.
- V. After all options have been set with the applicable values, click **Print** to submit all information to the print service. A progress bar displays next to the executing task.

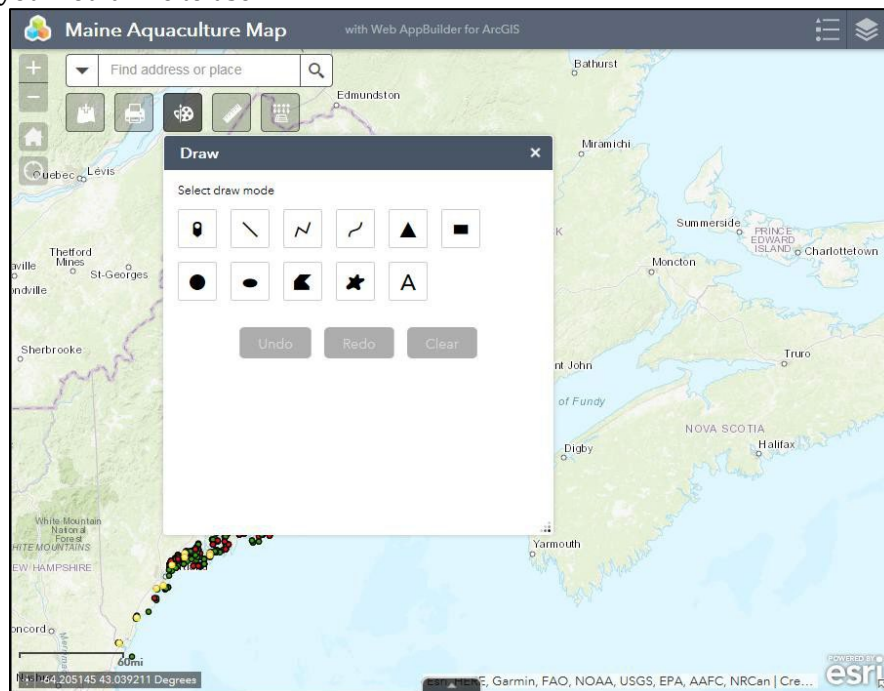
## 8. Using the Draw Tool



- I. The draw tool allows you to draw points, lines, or polygons on the map.



- II. When you click on the draw tool, the following box will appear. To begin, click on the draw mode you would like to use.



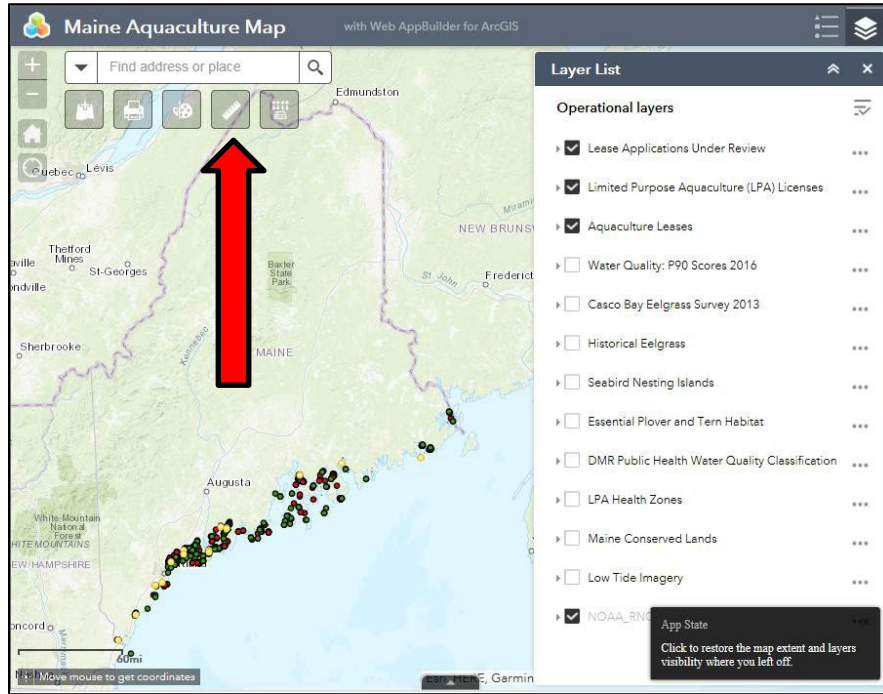
- III. For some draw modes, you can click **Show Measurements** and select **Area Units** and **Distance Units** to display measurements.
- IV. Click **Undo** or **Redo** to undo or redo the drawing features. Click **Clear** to remove all of them.



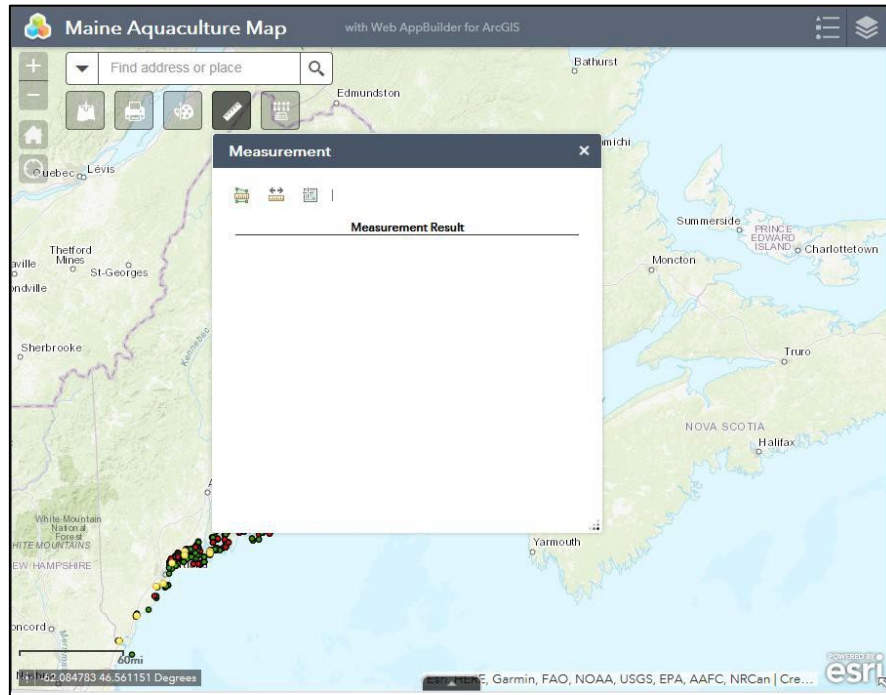
## 9. Using the Measurement Tool



- I. The measurement tool allows the user to measure distance, area, and coordinates on the map.



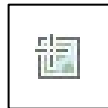
- II. When you click on the measurement tool, the following box will appear. To begin, click on the measurement tool you would like to use.



- a. The area measurement tool allows you to measure the area of a polygon. To do this, select the units you wish to measure in the drop-down menu. Then, draw a polygon on the map by clicking three or more points. Double-click to finish drawing the polygon and the measurement will appear.



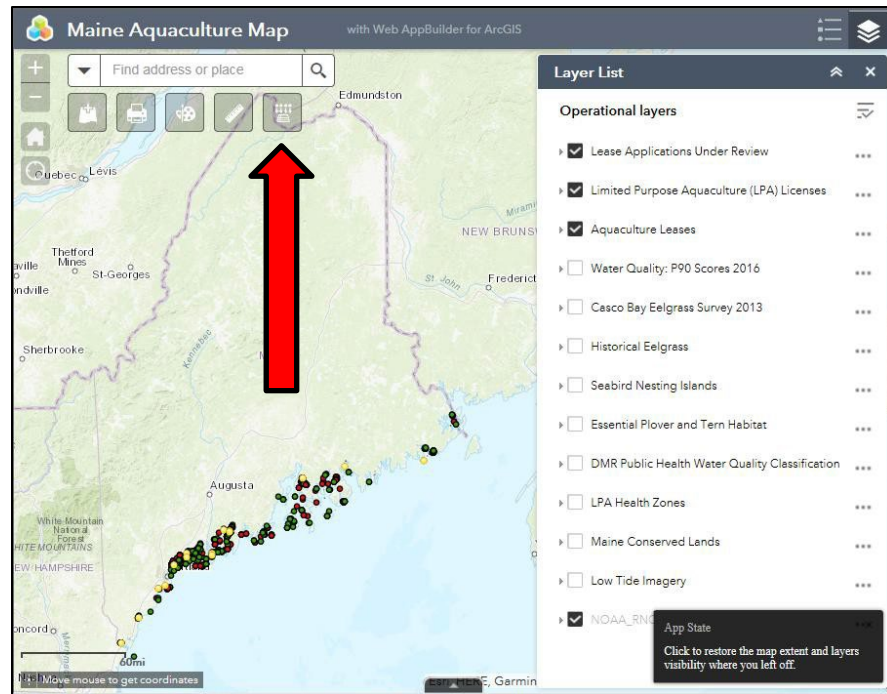
- b. The distance measurement tool allows you to measure a line. To do this, select the units you wish to measure in the drop-down menu. Then, draw a line on the map by clicking two or more points. Double-click to finish drawing the polyline and the measurement will appear.



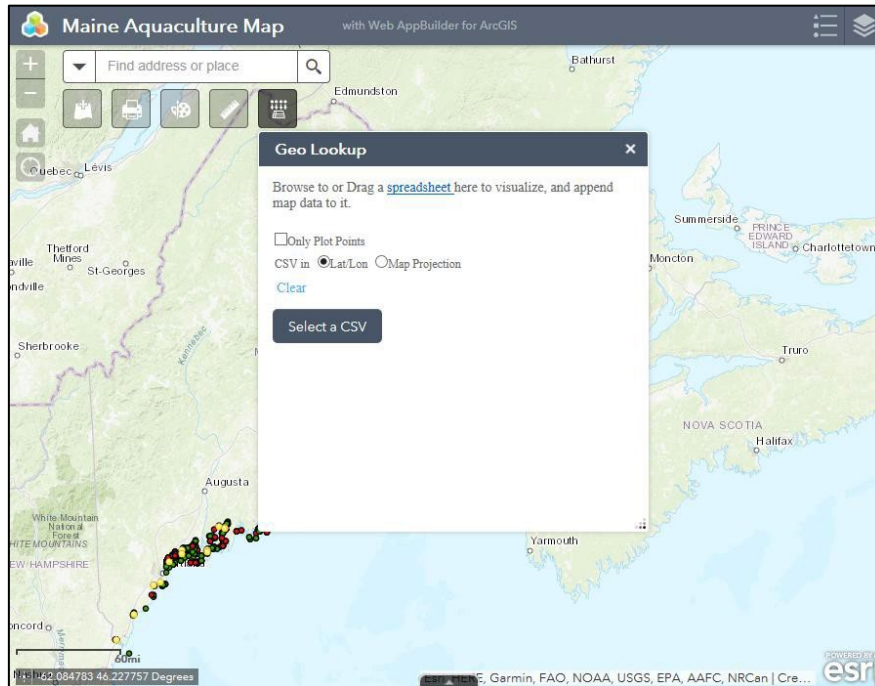
- c. The location measurement tool allows you to determine the coordinates of a specific location. To do this, select the format you want the coordinates to be generated in in the drop-down menu. Then, click a location on the map and the coordinates for this location will appear. **NOTE:** coordinates will appear for the location clicked on AND the location of the user's cursor.

## 10. Using the GeoLookup Tool

- I. The GeoLookup tool  allows the user to add points to the map.



- II. When you click on the print tool, the following box will appear. To begin, click on the **Select a CSV** button.



- III. Browse to your CSV file and select it or drag and drop a CSV on the tool. Select the file and click **Open** in File Explorer.
- a. NOTE: You can create CSV files from spreadsheet applications such as Microsoft Excel, Google Sheets, and Apple Numbers.
  - b. NOTE: Coordinates in your CSV must be formatted in Degrees Decimal (ex: -69.12345) and should be set up as follows:



The screenshot shows the Microsoft Excel interface with the 'Home' tab selected. The ribbon includes options for Clipboard, Font, and Alignment. The active cell is E9. Below the ribbon, a table is displayed with the following data:

	A	B	C	D
1	CORNER	Lat	Long	
2	A	43.817351	-69.746827	
3	B	43.817289	-69.745776	
4	C	43.815555	-69.746227	
5	D	43.815574	-69.747385	
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IV. Click the **Clear** button to remove the csv.