Aquaculture Web Map Application User Guide

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Purpose Statement

The aim of this guide is to provide details on how to use the Maine DMR Aquaculture Map Application. If you have questions or would like additional instructional sections, please email Flora.M.Drury@maine.gov.

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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.
1. Click this icon to reset the map to its 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 options 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 “Layer List” will appear. This box contains a list of layers (information) that can be added to, or removed from, the map.

II. This box displays the symbols associated with each point and polygon on the map.
4. 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 and displays any available attribute information for the location or lease/license you have searched for.

5. Using the Add Data Tool

I. The add data tool allows the user add layers to the map.
II. When you click on the add data 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. You can also click DETAILS to get information for the layer.
a. Click to only search layers within the map area. Clicking it turns the icon to red so you can search all layers in the scope.

b. Click the Type drop-down list to search layers based on map service, feature service, image service, vector tile service, KML, or WMS.

c. Click the Sort By dropdown list to sort items by relevance, title, owner, rating, views, or date.

IV. To add layers by URLs, click the URL tab next to the Search tab. Choose a type and enter the URL. Click ADD to add the data on the map. The added layer will show in the Layer List widget as well. The following types are supported through 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.

6. Using the Print Tool

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

VII. When you click on the print tool, the following box will appear.
VIII. Select the applicable **Layout** and **Format** 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.

IX. Click **Advanced** to open a menu with advanced print options.

   a. **NOTE:** The **Map scale/extent** section defines the method that the print service should use to calculate the printed extent of the map. Preserving **map scale** may cause the printed map to maintain its scale while recalculating the extent around the existing center point, while preserving the **map extent** may cause the scale to adjust to fit the current map extent into the printed map. You may also force a specific scale by checking the **Force scale** option and entering a scale. Click **current** to populate the value with the present scale of the map.

   b. **NOTE:** The **Layout metadata** allows you to override the default values set by the configuration. Enter values for the **Author** and **Copyright** fields to provide current information to the print service. Check the **Include legend** check box to display the legend on the printed map.

   c. **NOTE:** The **Print quality** section allows you to update the resolution of the printed map. Provide an updated value for the **DPI** (dots per inch) in the text box.

X. 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.
7. Using the Draw Tool

I. The draw tool allows the user 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.

8. 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. This measurement tool ![image](image.png) allows the user to measure the area of a polygon. To do this, the user should select the units they wish to measure in the drop-down menu. Then, the user should 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. This measurement tool ![image](image.png) allows the user to measure a line. To do this, the user should select the units they wish to measure in the drop-down menu. The user should 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. This measurement tool ![image](image.png) allows the user to determine the coordinates of a specific location. To do this, the user should select the format they want the coordinates to be generated in in the drop-down menu. Then, the user should click the location on the map and coordinates will appear. **NOTE:** coordinates will appear for the location clicked on AND the location of the user’s mouse/arrow.

### 9. Using the GeoLookup Tool

1. The GeoLookup tool ![image](image.png) allows the user to add points to the map.
II. When you click on the geolocation 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: Coordinates in your CSV must be formatted in Degrees Decimal (ex: -69.12345) and should be set up as follows:

![CSV Excel Sheet]

IV. Click the **Clear** button to remove the csv.